

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010418.D
 Acq On : 17 May 2019 17:31
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
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MMDadoda
 5/20/2019 12:15:57 PM

Quant Time: May 17 23:41:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:21:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	732090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1315363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1163173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	541621	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	89539	11.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.78%	
35) Dibromofluoromethane	7.88	113	87027	11.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.22%	
50) Toluene-d8	10.32	98	330299	11.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.28%	
62) 4-Bromofluorobenzene	12.62	95	128607	11.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	63945	13.864	ug/l	95
3) Chloromethane	2.21	50	95312	15.051	ug/l	94
4) Vinyl Chloride	2.35	62	99552	12.502	ug/l	95
5) Bromomethane	2.75	94	59540	11.714	ug/l	95
6) Chloroethane	2.90	64	60866	12.793	ug/l	90
7) Trichlorofluoromethane	3.25	101	137724	25.043	ug/l	98
8) Diethyl Ether	3.68	74	48591	12.653	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	85365	12.542	ug/l	98
10) Methyl Iodide	4.27	142	92552	8.814	ug/l	99
11) Tert butyl alcohol	5.18	59	44318	71.662	ug/l	98
12) 1,1-Dichloroethene	4.03	96	84024	11.819	ug/l	98
13) Acrolein	3.89	56	35718	91.252	ug/l	98
14) Allyl chloride	4.67	41	131133	14.225	ug/l	99
15) Acrylonitrile	5.37	53	109150	64.466	ug/l	99
16) Acetone	4.12	43	81725	60.537	ug/l	94
17) Carbon Disulfide	4.37	76	240921	12.459	ug/l	99
18) Methyl Acetate	4.68	43	54617	12.667	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	238628	20.520	ug/l	100
20) Methylene Chloride	4.91	84	98308	12.460	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	98454	12.427	ug/l	96
22) Diisopropyl ether	6.31	45	271627	12.359	ug/l	98
23) Vinyl Acetate	6.26	43	850399	56.841	ug/l	99
24) 1,1-Dichloroethane	6.21	63	157692	11.766	ug/l	99
25) 2-Butanone	7.18	43	141092	55.788	ug/l	100
26) 2,2-Dichloropropane	7.16	77	148049	19.407	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	108884	11.910	ug/l	97
28) Bromochloromethane	7.51	49	61602	11.082	ug/l	100
29) Tetrahydrofuran	7.52	42	94188	55.595	ug/l	99
30) Chloroform	7.68	83	164300	11.668	ug/l	92
31) Cyclohexane	7.95	56	168196	12.905	ug/l	# 88
32) 1,1,1-Trichloroethane	7.87	97	159106	14.013	ug/l	99
36) 1,1-Dichloropropene	8.08	75	133134	11.763	ug/l	100
37) Ethyl Acetate	7.25	43	66001	11.630	ug/l	99
38) Carbon Tetrachloride	8.07	117	142029	12.235	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	172902	11.532	ug/l	92
40) Benzene	8.32	78	378905	11.508	ug/l	98
41) Methacrylonitrile	7.49	41	39987	11.597	ug/l	95
42) 1,2-Dichloroethane	8.40	62	113543	11.827	ug/l	99
43) Isopropyl Acetate	8.43	43	128629	11.001	ug/l	99
44) Trichloroethene	9.09	130	107112	11.391	ug/l	100
45) 1,2-Dichloropropane	9.37	63	90906	11.129	ug/l	100
46) Dibromomethane	9.46	93	53949	11.343	ug/l	99
47) Bromodichloromethane	9.64	83	133299	11.429	ug/l	99
48) Methyl methacrylate	9.44	41	60692	11.294	ug/l	98
49) 1,4-Dioxane	9.45	88	16905	203.362	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	337889	55.822	ug/l	99
52) Toluene	10.39	92	250646	11.423	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	137179	11.165	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	157323	11.326	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	77042	11.202	ug/l	97
56) Ethyl methacrylate	10.65	69	108704	11.131	ug/l	99
57) 1,3-Dichloropropane	10.93	76	133098	11.570	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	265086	61.933	ug/l	100
59) 2-Hexanone	10.97	43	237264	55.573	ug/l	100
60) Dibromochloromethane	11.13	129	96432	11.225	ug/l	97
61) 1,2-Dibromoethane	11.24	107	80307	11.571	ug/l	99
64) Tetrachloroethene	10.86	164	85663	11.142	ug/l	95
65) Chlorobenzene	11.66	112	265999	11.525	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	99517	11.644	ug/l	98
67) Ethyl Benzene	11.73	91	474355	11.573	ug/l	100
68) m/p-Xylenes	11.84	106	370736	23.116	ug/l	98
69) o-Xylene	12.16	106	175519	11.355	ug/l	98
70) Styrene	12.18	104	298844	11.122	ug/l	99
71) Bromoform	12.35	173	53917	10.879	ug/l #	99
73) Isopropylbenzene	12.46	105	473879	11.993	ug/l	99
74) N-amyl acetate	12.27	43	122096	11.160	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	97099	12.504	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	67912m	11.523	ug/l	
77) Bromobenzene	12.75	156	104953	11.512	ug/l	93
78) n-propylbenzene	12.80	91	556371	12.041	ug/l	100
79) 2-Chlorotoluene	12.90	91	324136	12.064	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	404211	11.871	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	34306	12.102	ug/l	97
82) 4-Chlorotoluene	12.99	91	337558	11.974	ug/l	98
83) tert-Butylbenzene	13.21	119	338291	11.783	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	400295	11.788	ug/l	99
85) sec-Butylbenzene	13.38	105	482259	11.876	ug/l	100
86) p-Isopropyltoluene	13.50	119	438038	11.856	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	207936	11.728	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	206758	11.685	ug/l	98
89) n-Butylbenzene	13.83	91	414163	11.745	ug/l	100
90) Hexachloroethane	14.10	117	86548	11.832	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	187418	11.516	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18007	12.473	ug/l	95

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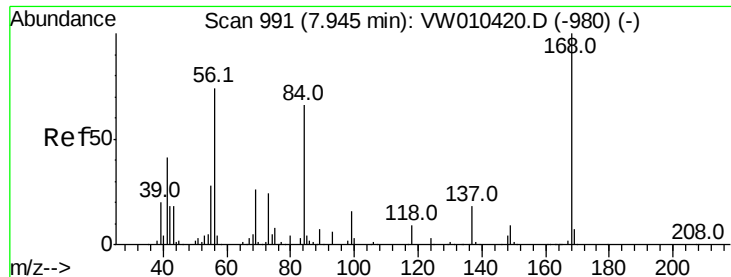
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	126726	11.327	ug/l	99
94) Hexachlorobutadiene	15.24	225	67644	11.836	ug/l	98
95) Naphthalene	15.37	128	286822	11.515	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	110620	11.134	ug/l	98

(#) = 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: VW010418.D

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Tot Ion:168 Resp: 732090

Ion Ratio Lower Upper

168 100

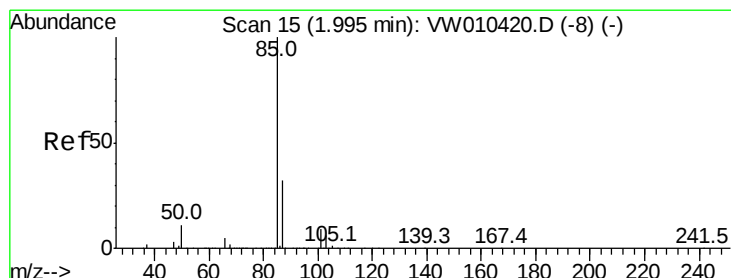
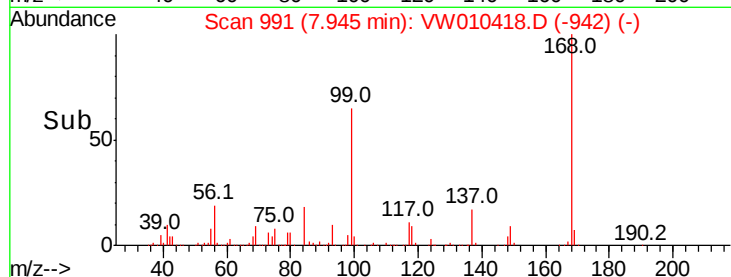
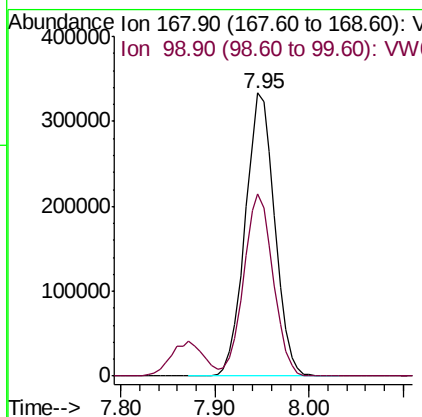
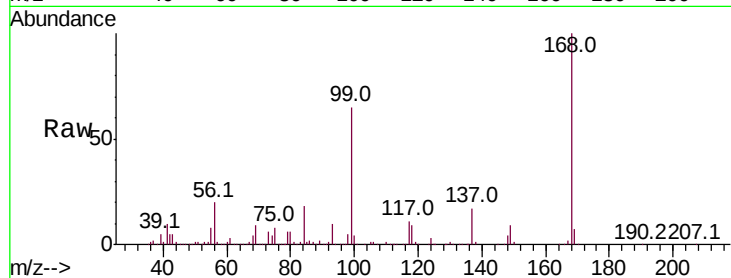
99 64.6 50.8 76.2

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#2

Dichlorodifluoromethane

Concen: 13.864 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010418.D

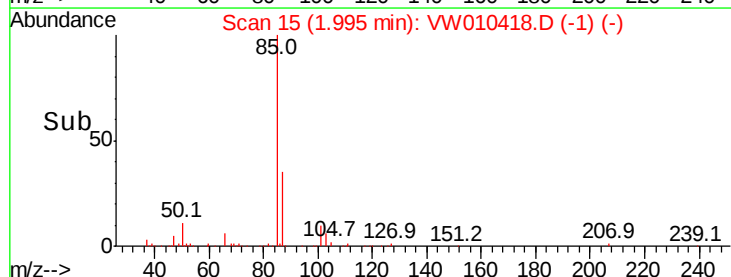
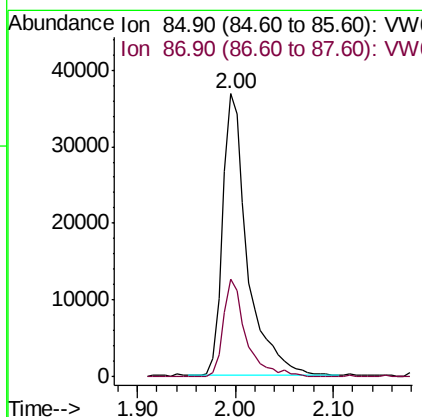
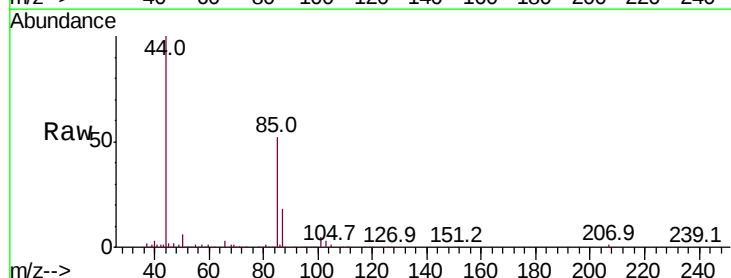
Acq: 17 May 2019 17:31

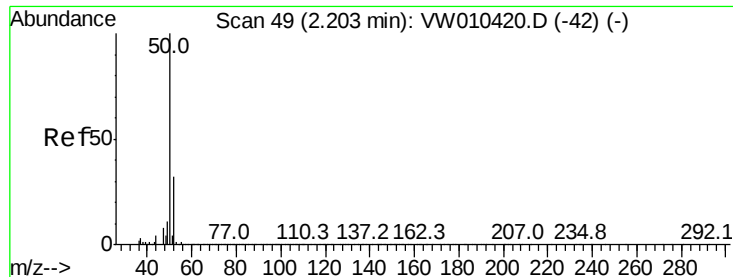
Tgt Ion: 85 Resp: 63945

Ion Ratio Lower Upper

85 100

87 34.9 16.2 48.5





#3

Chloromethane

Concen: 15.051 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 95312

Ion Ratio Lower Upper

50 100

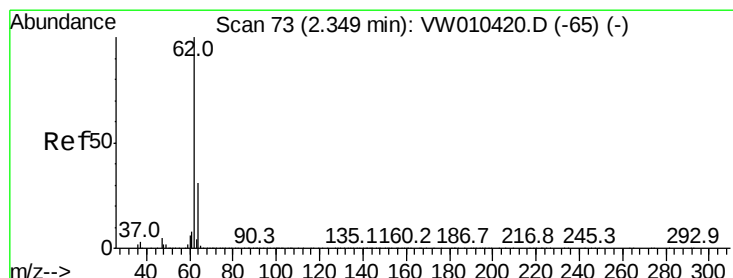
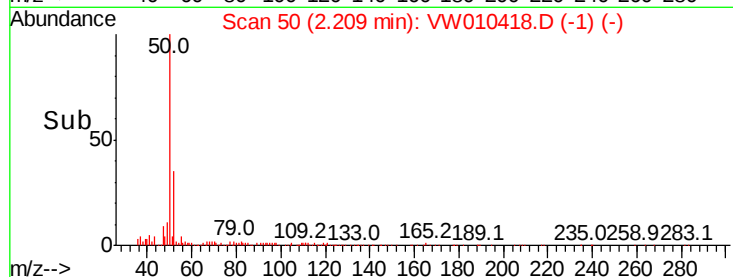
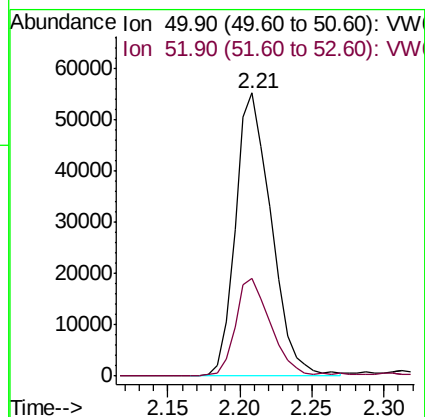
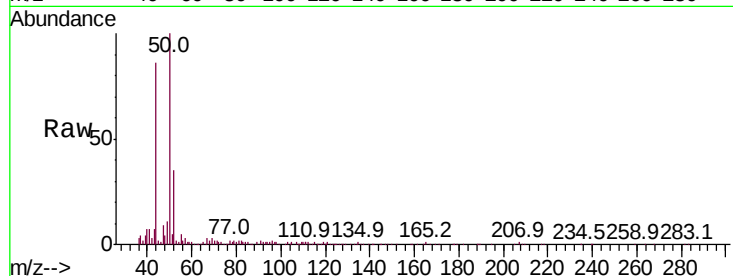
52 34.8 25.4 38.0

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#4

Vinyl Chloride

Concen: 12.502 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010418.D

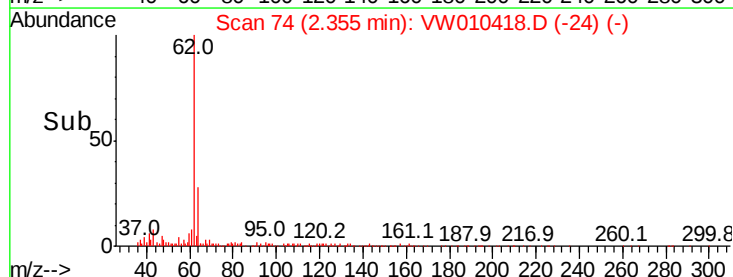
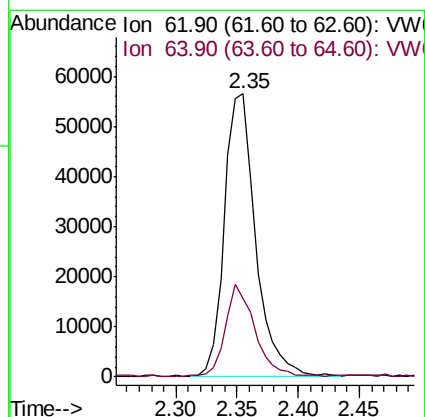
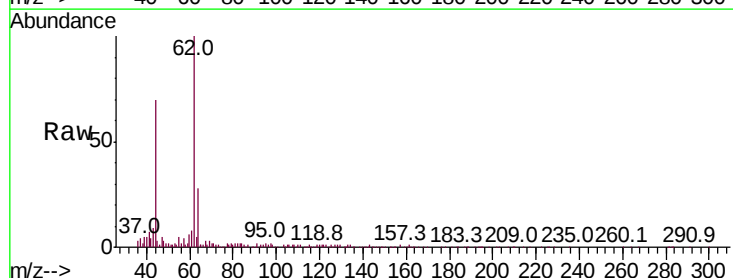
Acq: 17 May 2019 17:31

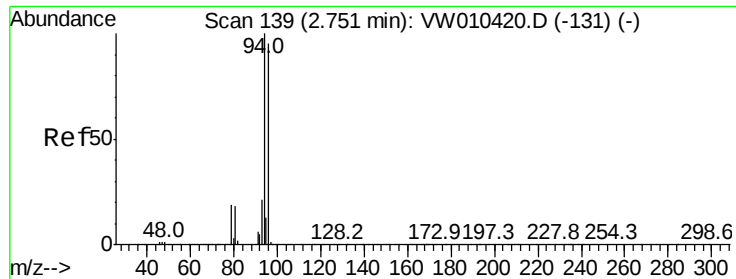
Tgt Ion: 62 Resp: 99552

Ion Ratio Lower Upper

62 100

64 27.5 24.4 36.6





#5

Bromomethane

Concen: 11.714 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 59540

Ion Ratio Lower Upper

94 100

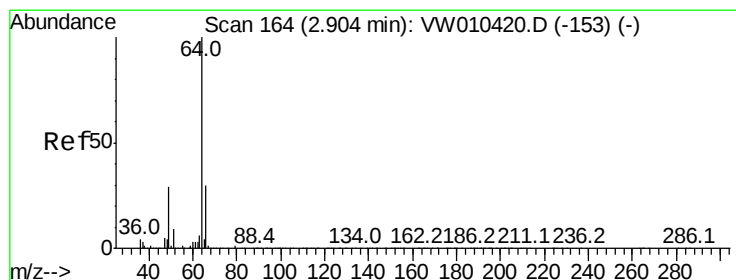
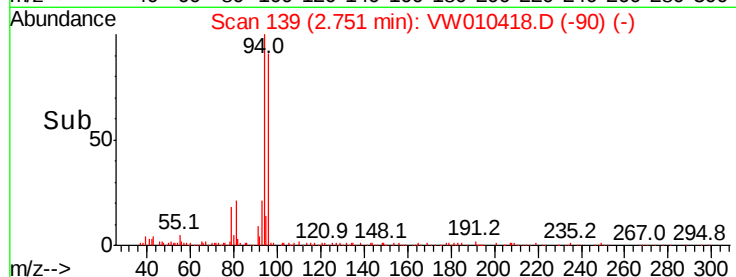
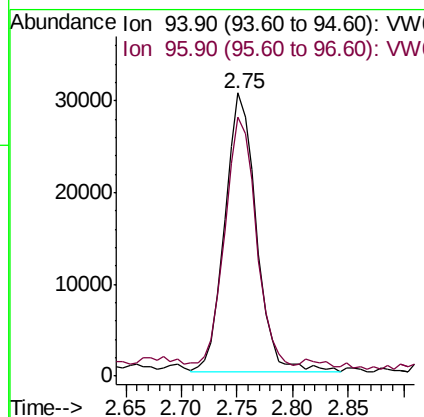
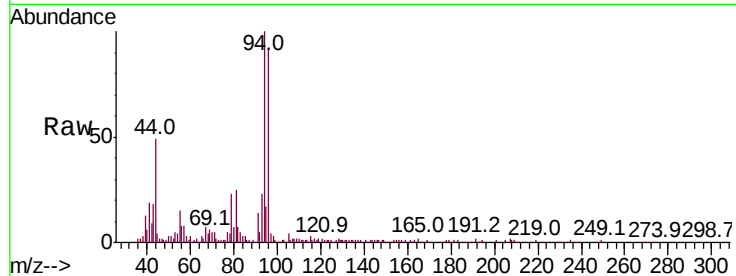
96 89.6 75.8 113.6

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#6

Chloroethane

Concen: 12.793 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.00 min

Lab File: VW010418.D

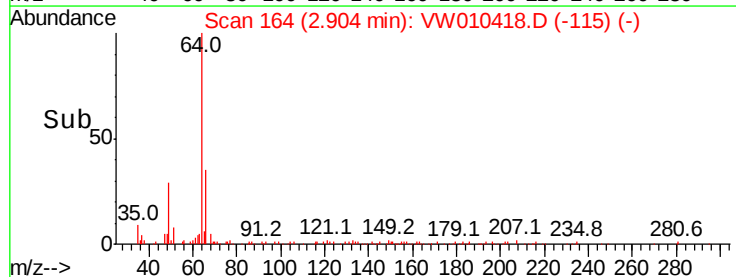
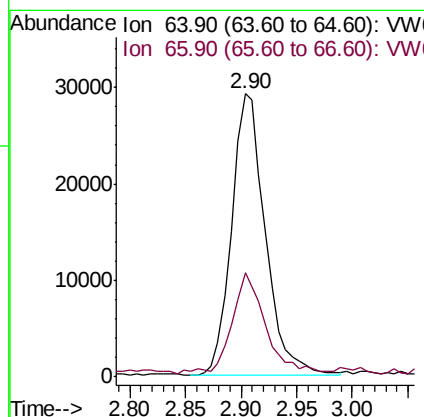
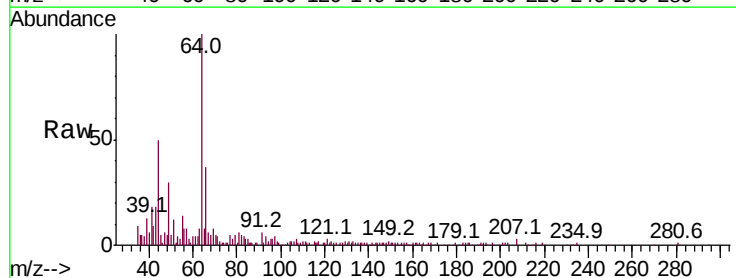
Acq: 17 May 2019 17:31

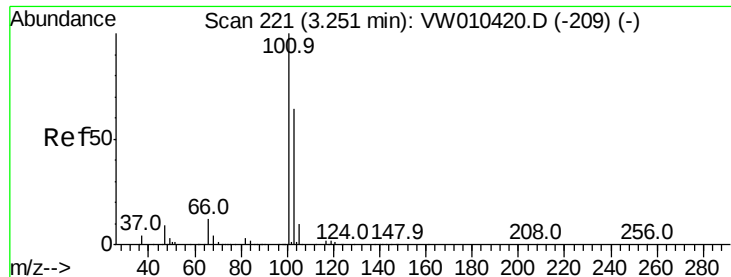
Tgt Ion: 64 Resp: 60866

Ion Ratio Lower Upper

64 100

66 35.0 23.6 35.4





#7

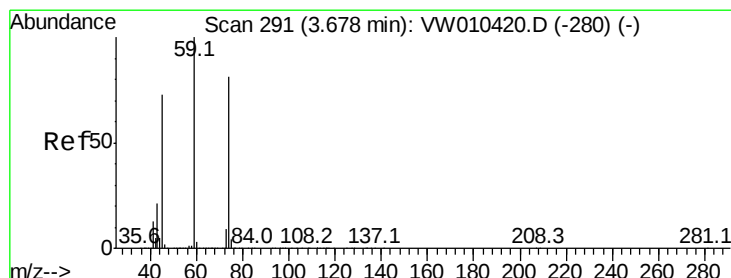
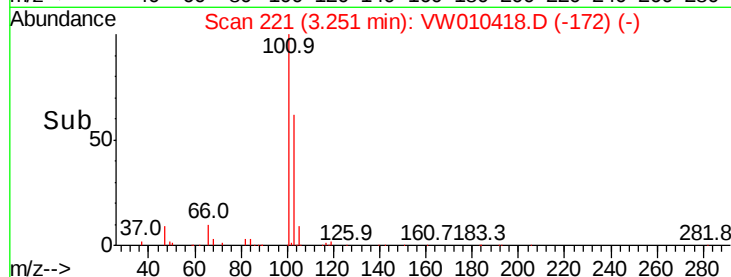
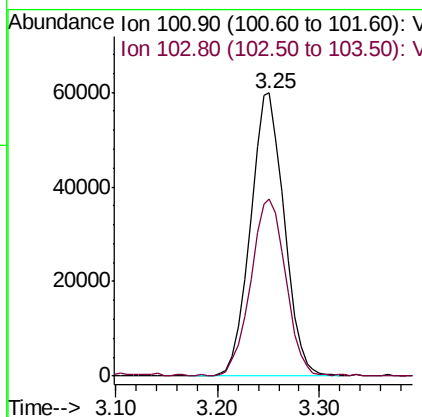
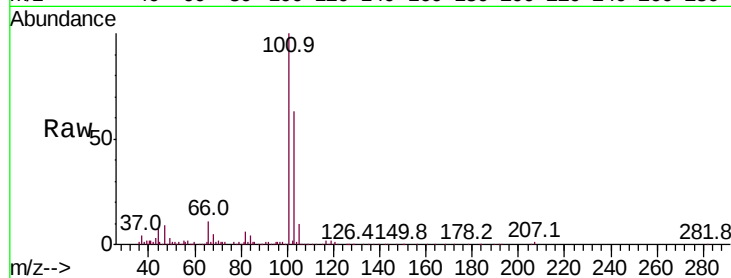
Trichlorofluoromethane
 Concen: 25.043 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.4	77.0

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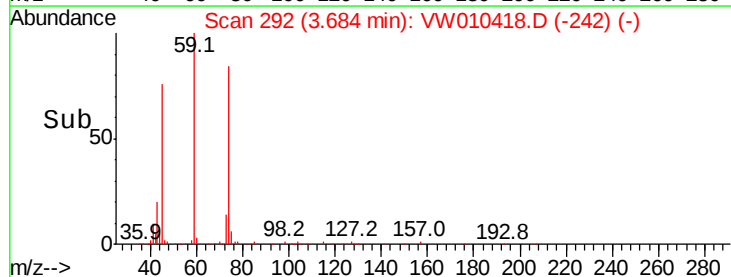
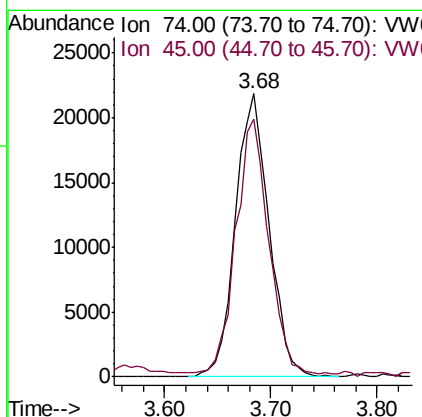
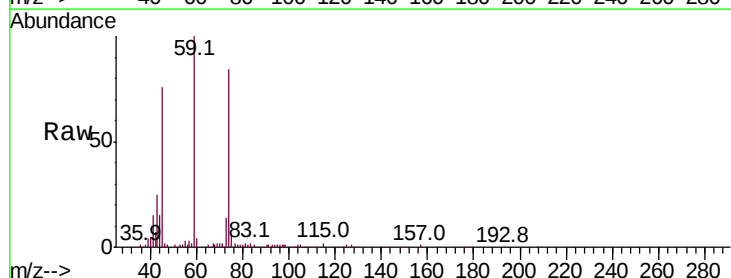
MMDadoda
 5/20/2019 12:15:57 PM

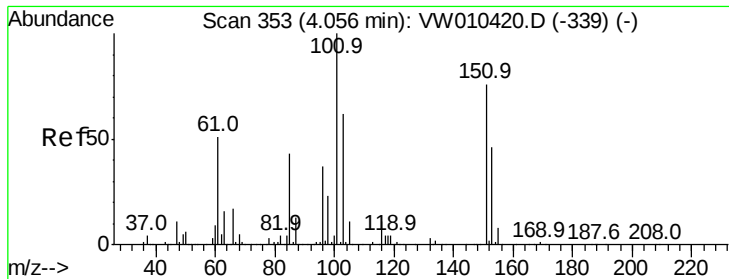


#8

Diethyl Ether
 Concen: 12.653 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.3	43.4	130.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.542 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

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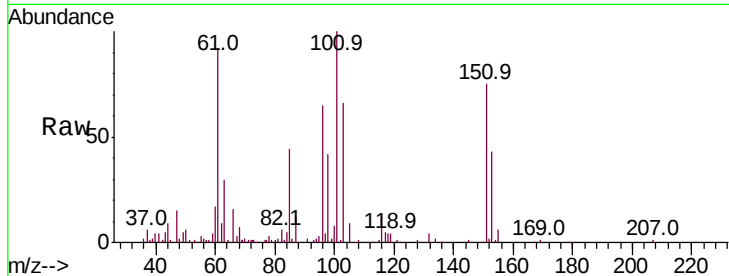
ClientSampleId :

VSTDIC010

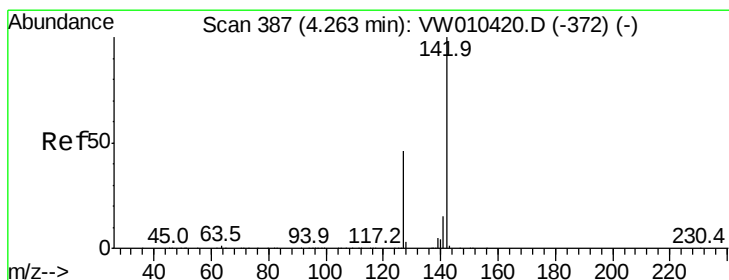
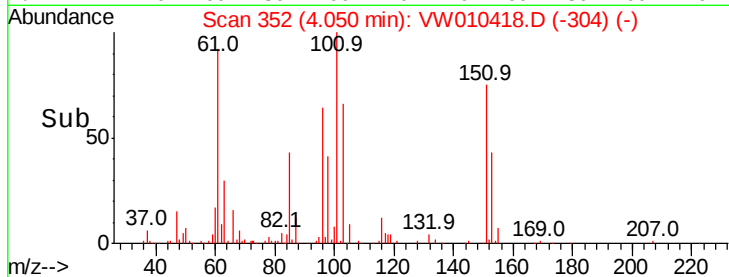
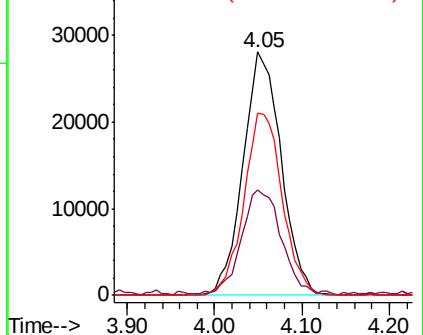
Tot Ion:	101	Resp:	85365
Ion Ratio	Lower	Upper	
101	100		
85	45.1	34.3	51.5
151	75.3	59.4	89.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.814 ug/l

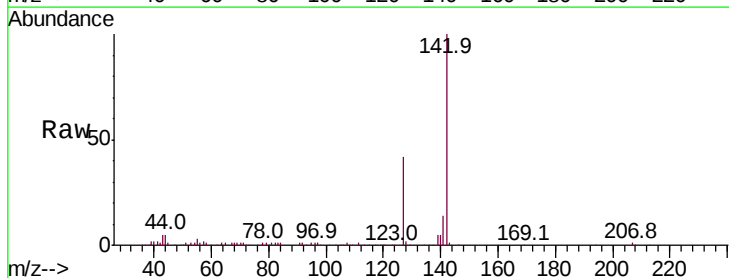
RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

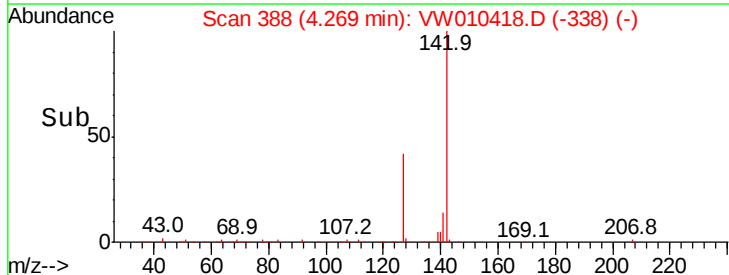
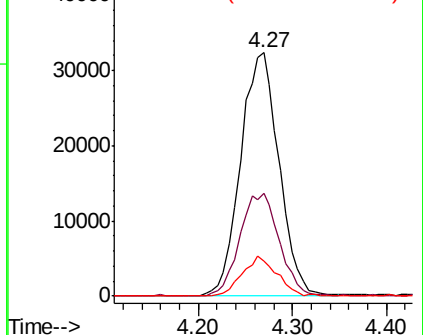
Lab File: VW010418.D

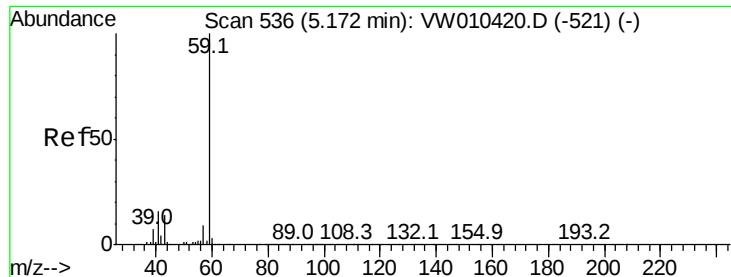
Acq: 17 May 2019 17:31

Tgt Ion:	142	Resp:	92552
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.4	53.2
141	14.9	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

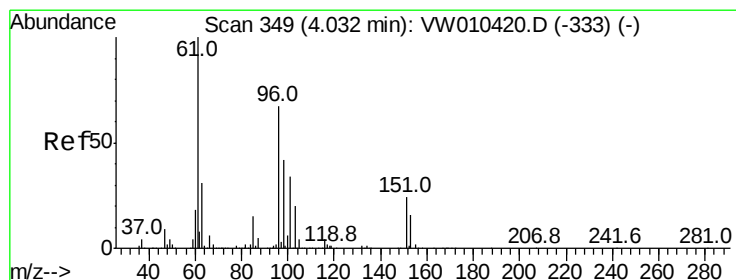
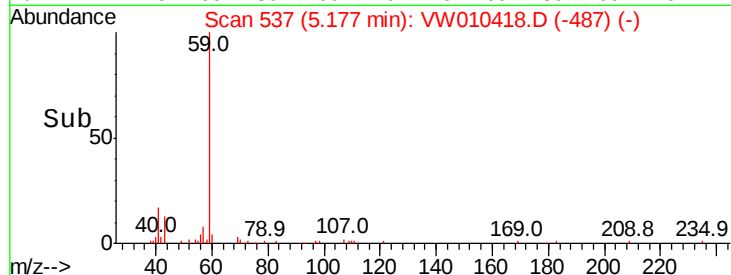
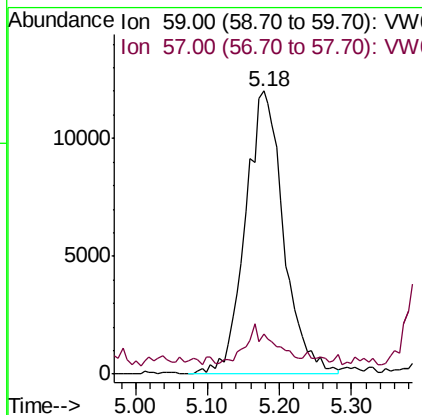
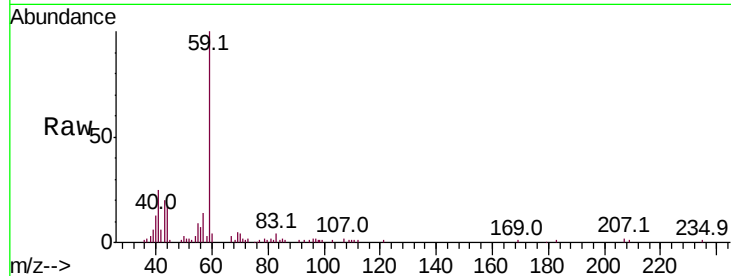
Tert butyl alcohol
Concen: 71.662 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
59	100	44318		
57	9.8		8.4	12.6

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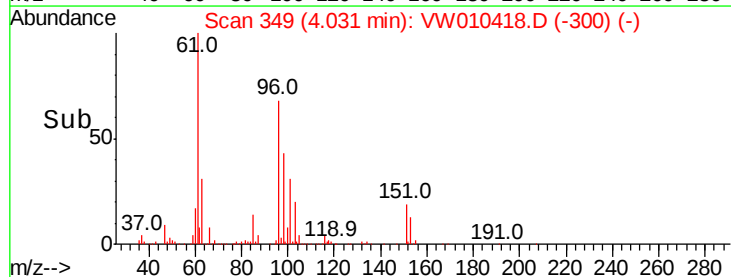
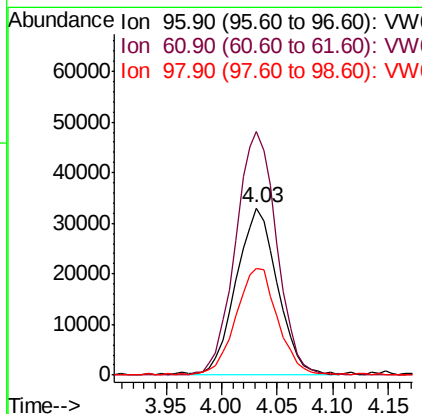
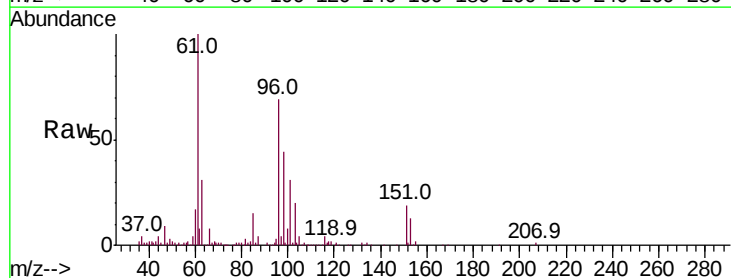
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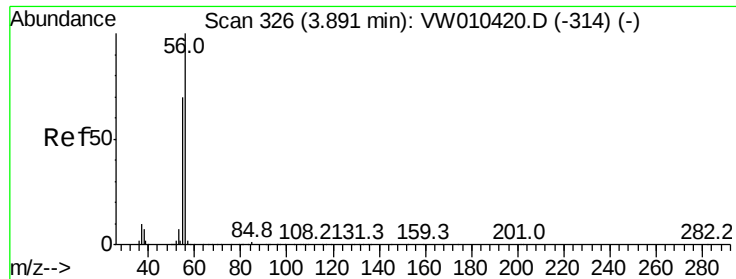


#12

1,1-Dichloroethene
Concen: 11.819 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	84024		
61	146.3		120.3	180.5
98	63.8		50.7	76.1





#13

Acrolein

Concen: 91.252 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 35718

Ion Ratio Lower Upper

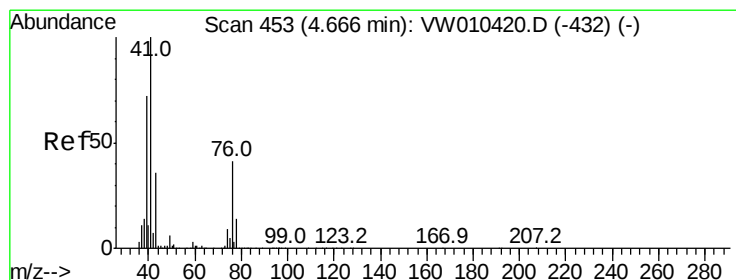
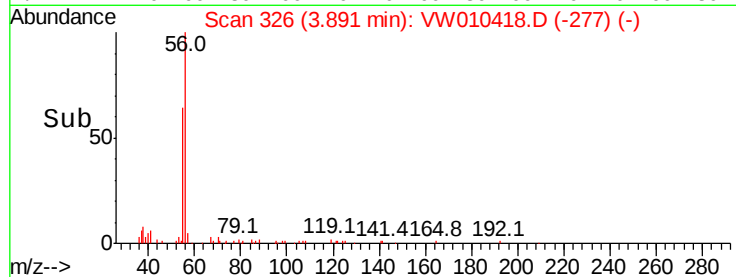
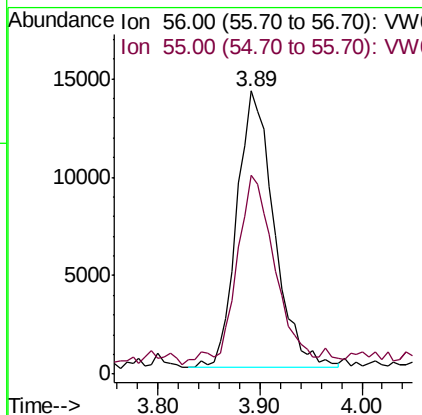
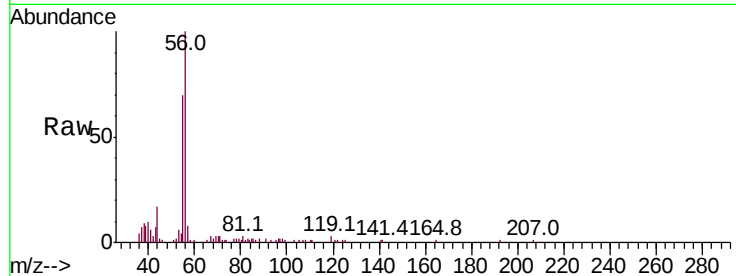
56 100

55 70.2 57.6 86.4

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#14

Allyl chloride

Concen: 14.225 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

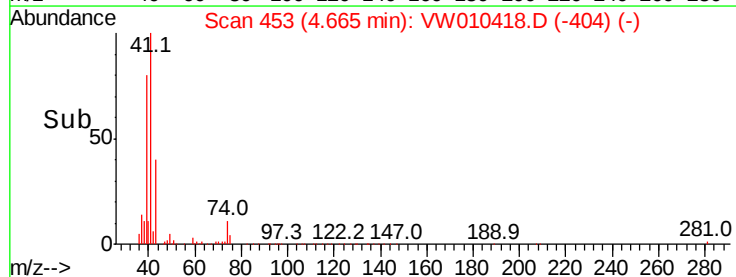
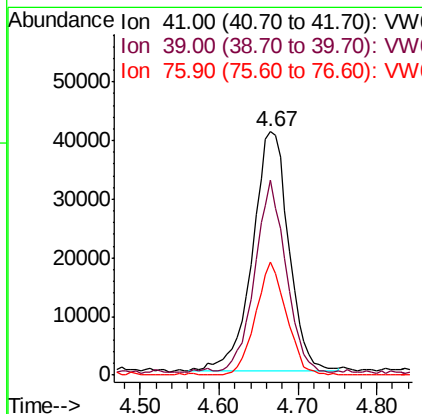
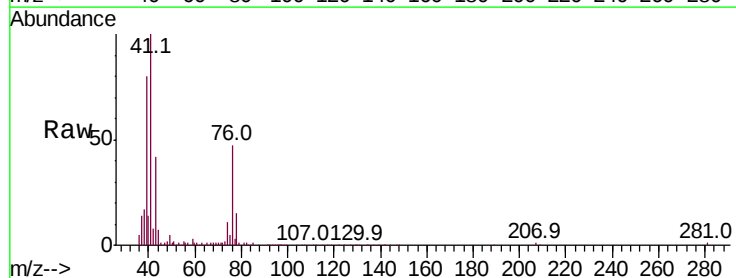
Tgt Ion: 41 Resp: 131133

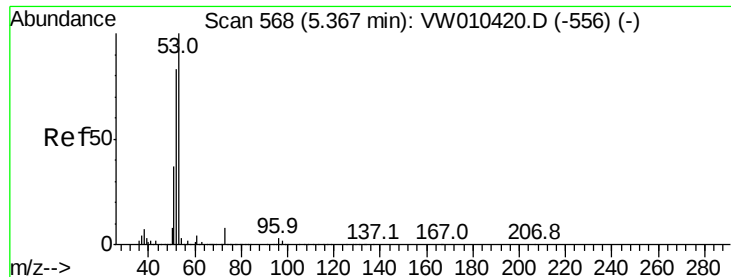
Ion Ratio Lower Upper

41 100

39 67.7 54.9 82.3

76 40.0 31.8 47.6





#15

Acrylonitrile

Concen: 64.466 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

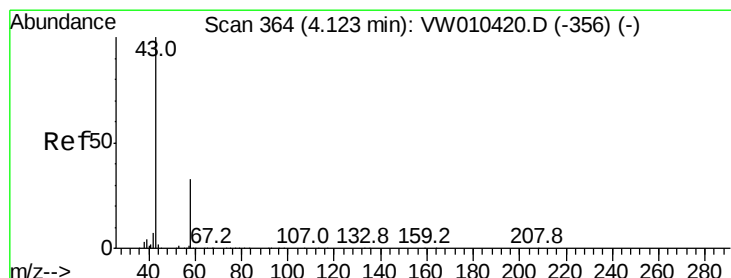
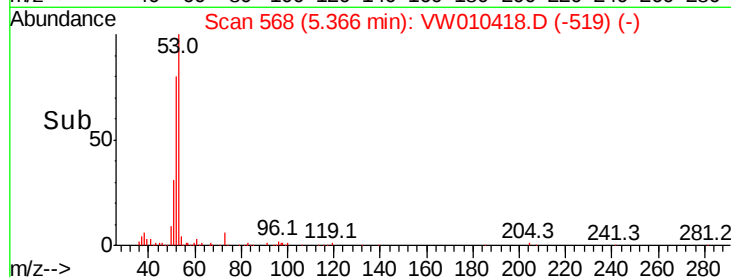
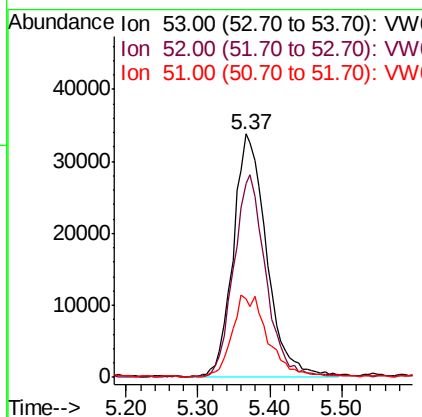
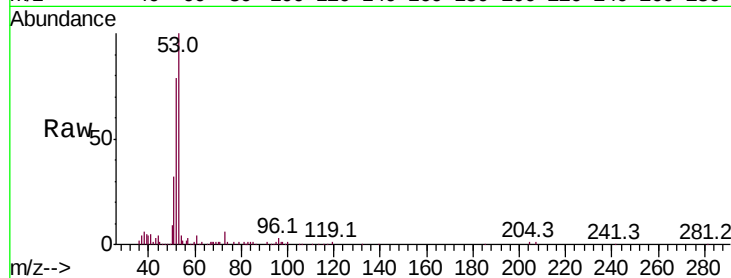
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	109150
Ion	Ratio	Lower	Upper
53	100		
52	79.5	63.9	95.9
51	36.0	29.5	44.3

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#16

Acetone

Concen: 60.537 ug/l

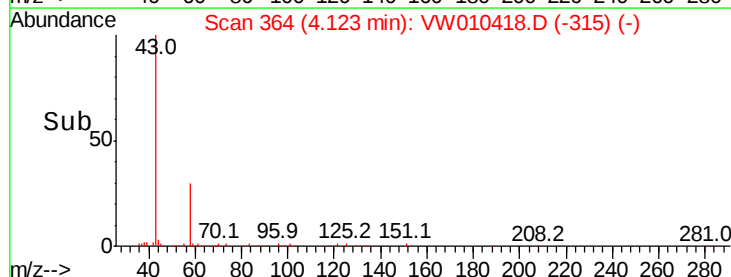
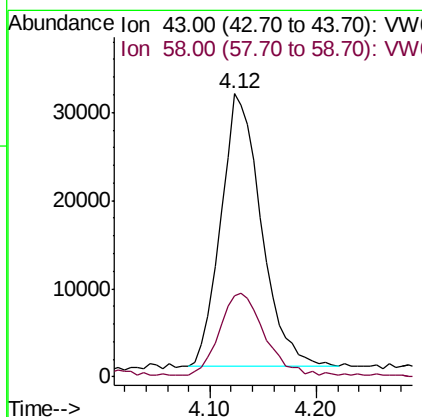
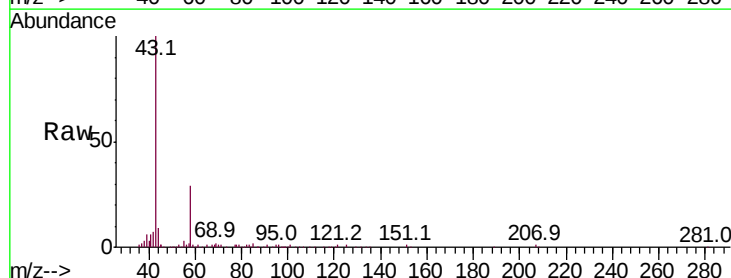
RT: 4.12 min Scan# 364

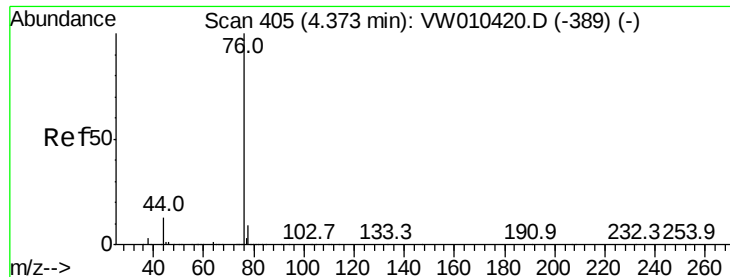
Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion:	43	Resp:	81725
Ion	Ratio	Lower	Upper
43	100		
58	29.3	26.0	39.0





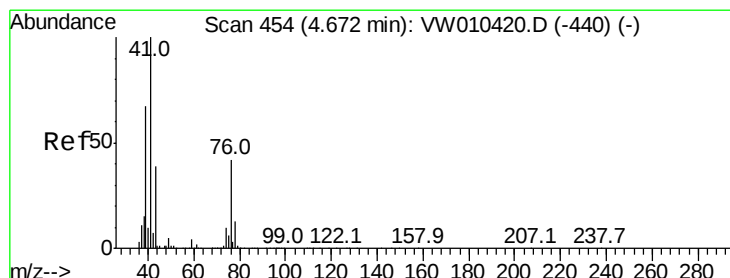
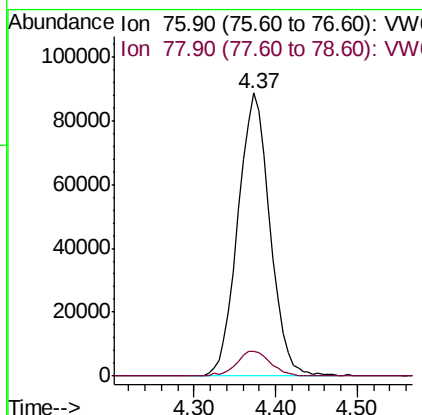
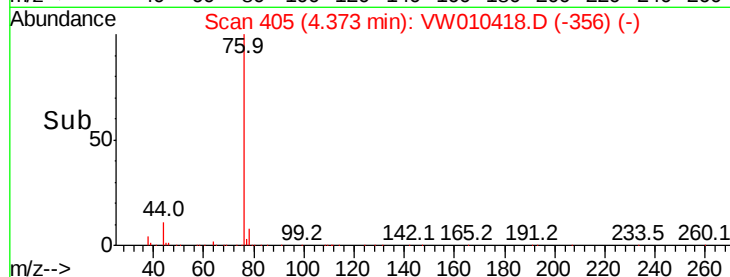
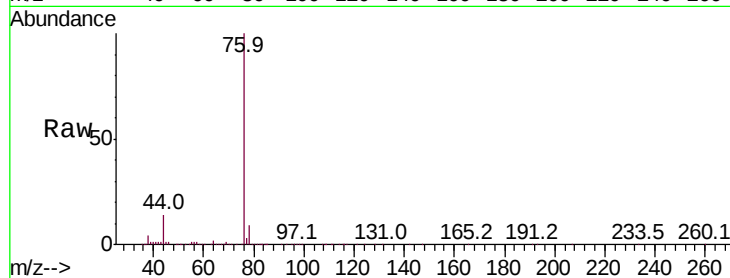
#17
Carbon Disulfide
Concen: 12.459 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7

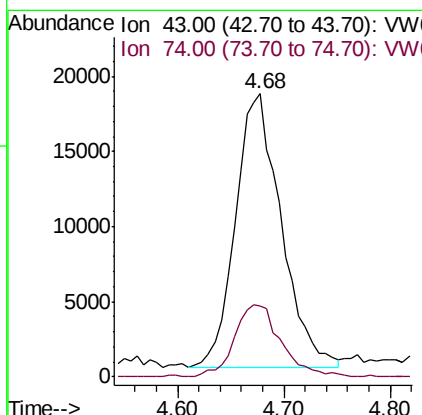
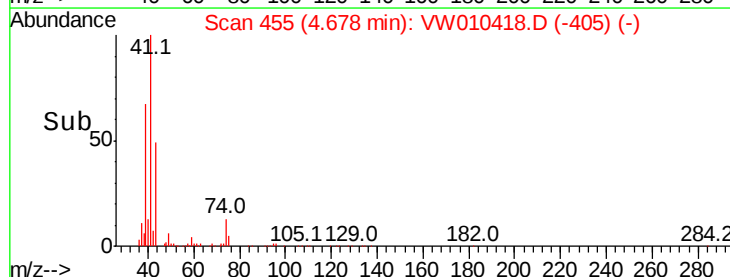
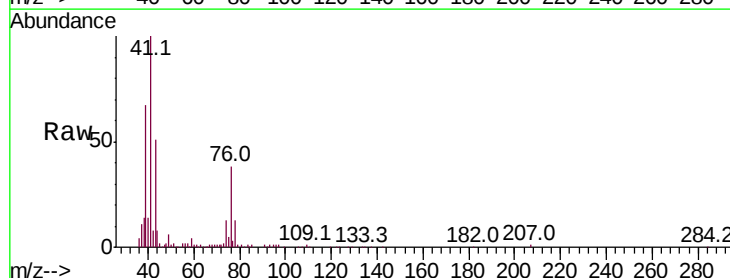
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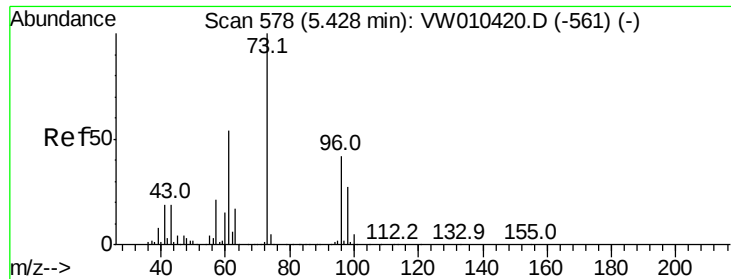
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#18
Methyl Acetate
Concen: 12.667 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	21.2	31.8





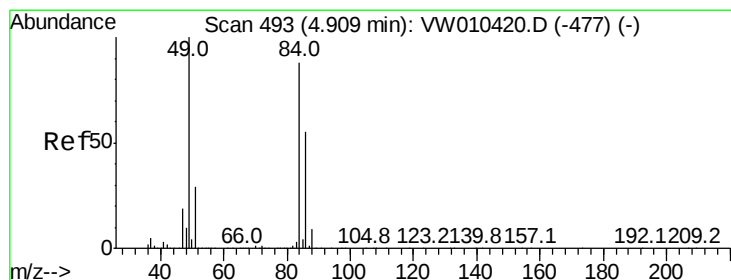
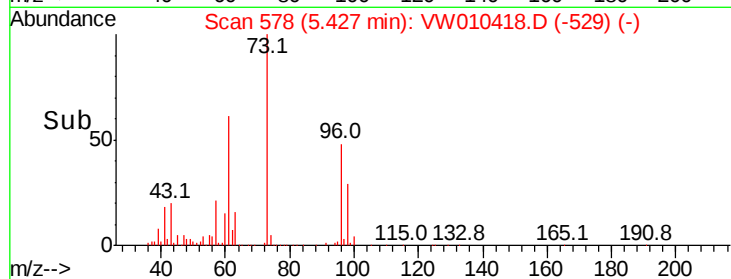
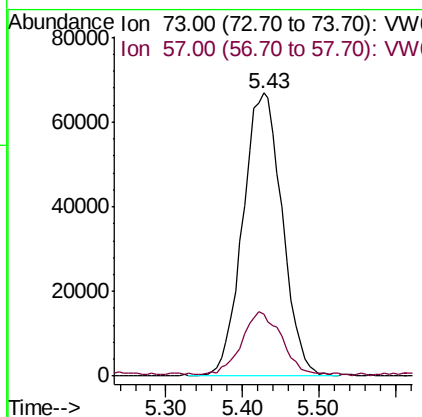
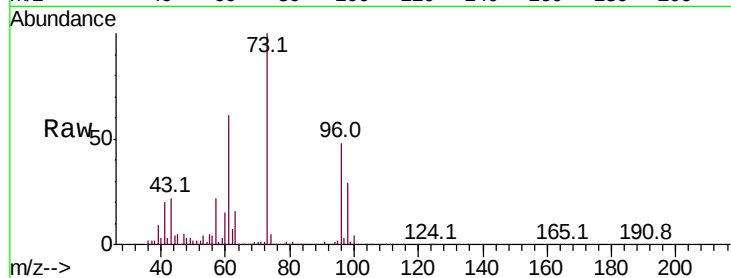
#19
Methvl tert-butvl Ether
Concen: 20.520 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 238628
Ion Ratio Lower Upper
73 100
57 21.0 17.0 25.4

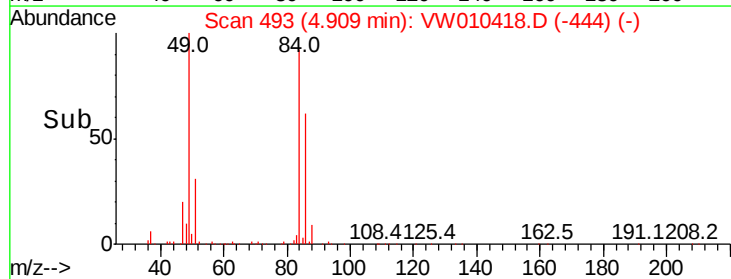
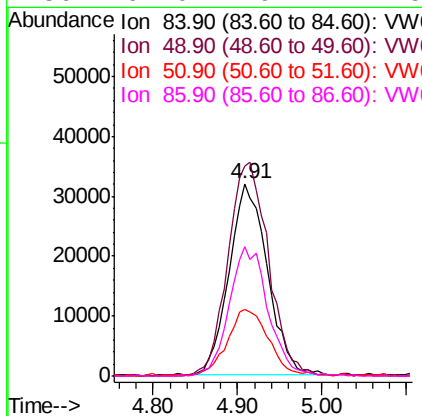
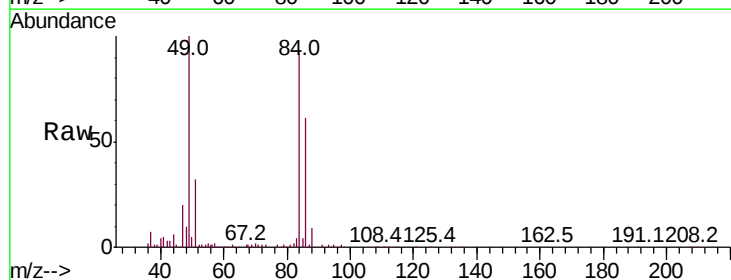
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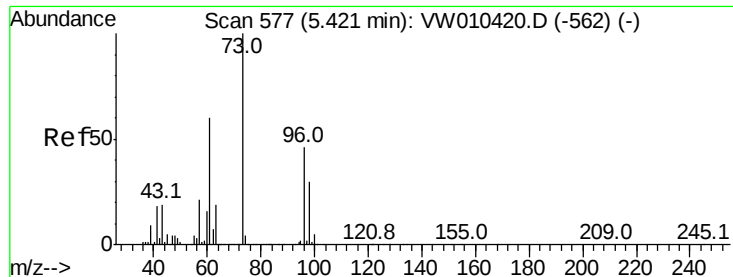
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#20
Methylene Chloride
Concen: 12.460 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion: 84 Resp: 98308
Ion Ratio Lower Upper
84 100
49 109.2 90.6 135.8
51 34.3 26.6 40.0
86 67.0 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 12.427 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

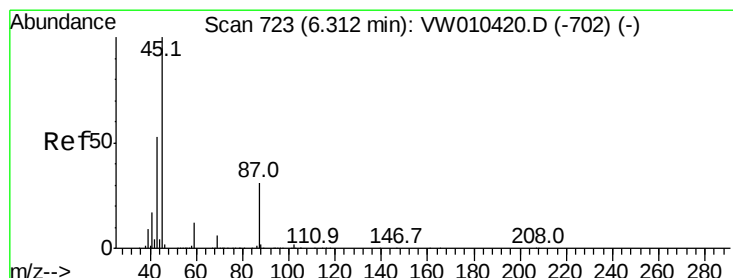
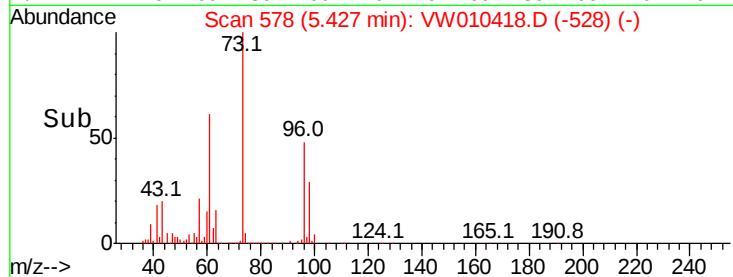
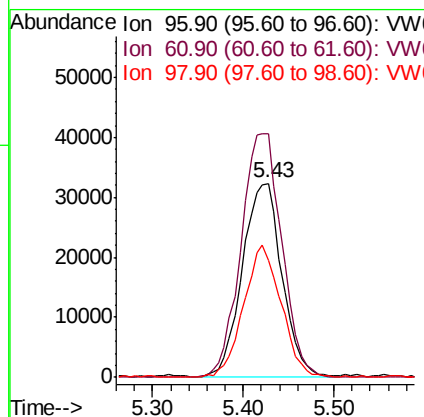
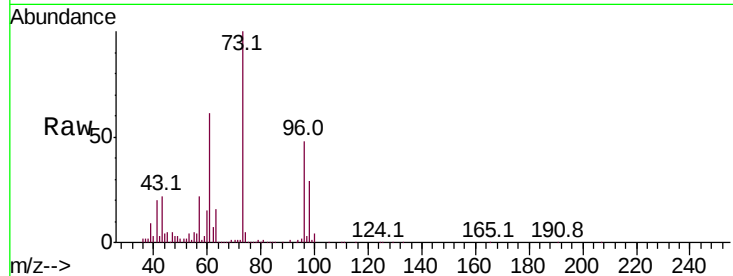
ClientSampled :

VSTDIC010

Tot Ion:	96	Resp:	98454
Ion	Ratio	Lower	Upper
96	100		
61	125.5	103.9	155.9
98	59.8	51.5	77.3

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#22

Diisopropyl ether

Concen: 12.359 ug/l

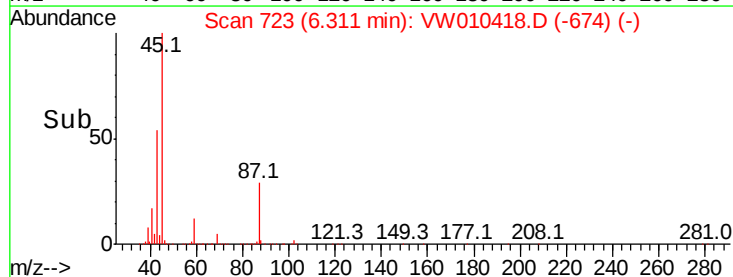
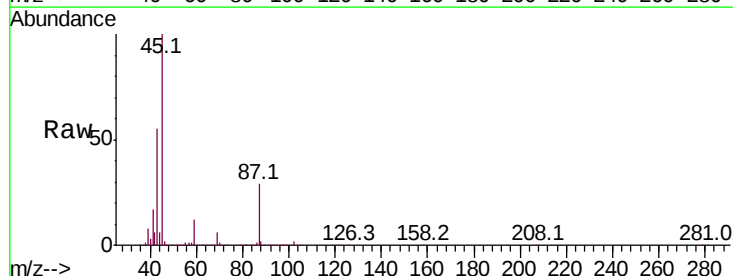
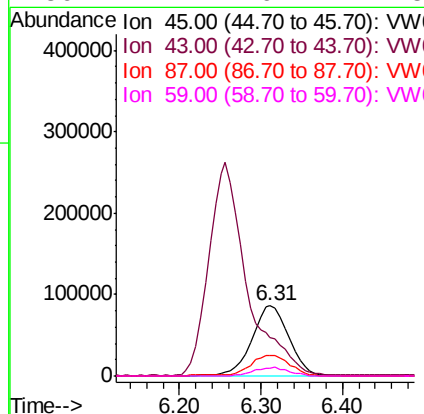
RT: 6.31 min Scan# 723

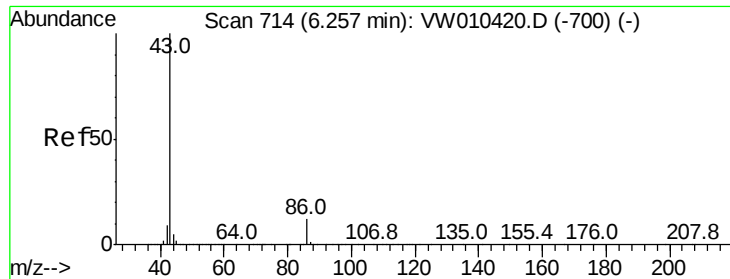
Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion:	45	Resp:	271627
Ion	Ratio	Lower	Upper
45	100		
43	53.9	42.0	63.0
87	29.4	25.0	37.6
59	11.7	9.7	14.5





#23

Vinyl Acetate

Concen: 56.841 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 850399

Ion Ratio Lower Upper

43 100

86 12.5

9.7

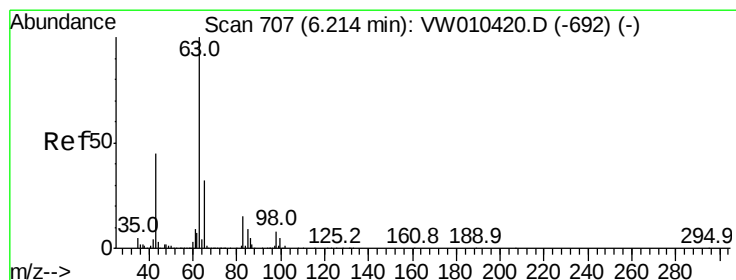
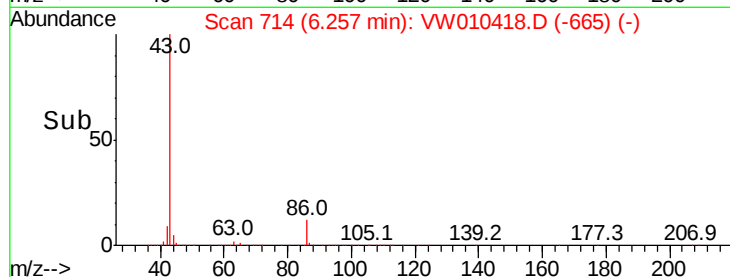
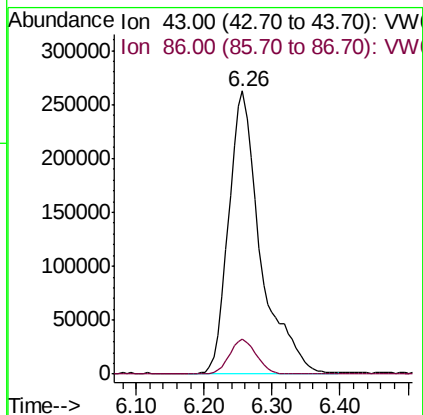
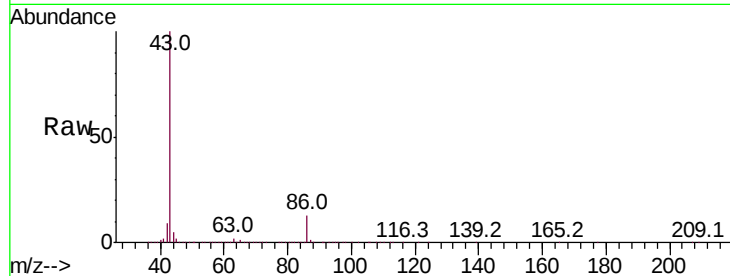
14.5

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#24

1,1-Dichloroethane

Concen: 11.766 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion: 63 Resp: 157692

Ion Ratio Lower Upper

63 100

98 8.1

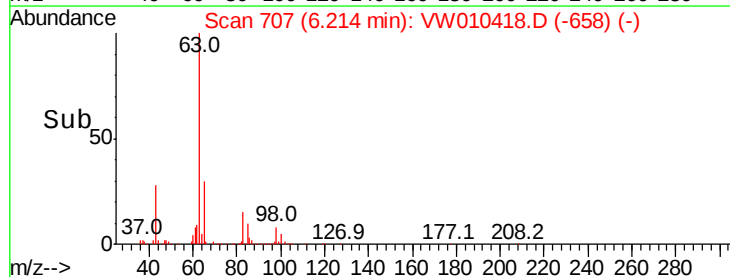
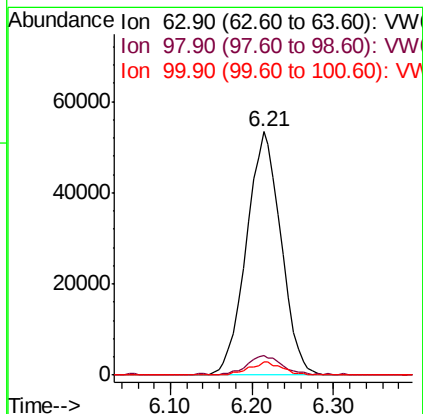
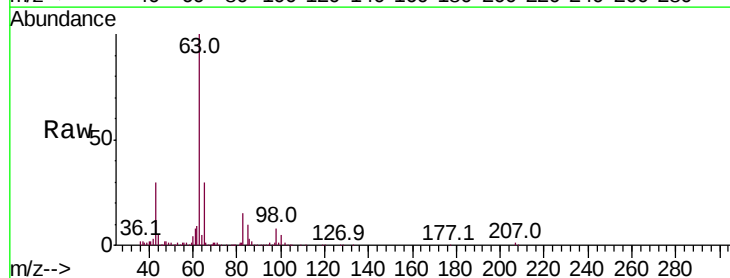
4.0

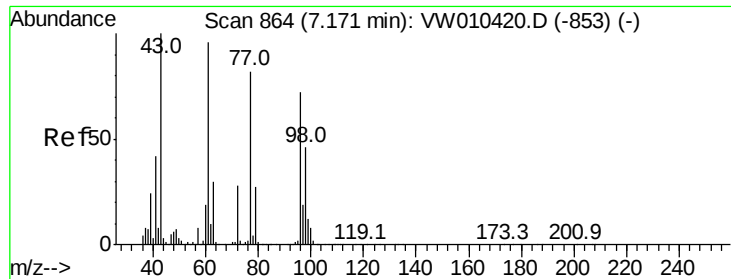
12.0

100 5.2

2.4

7.2





#25

2-Butanone

Concen: 55.788 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 141092

Ion Ratio Lower Upper

43 100

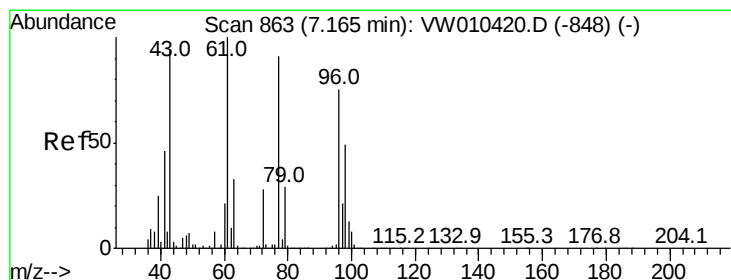
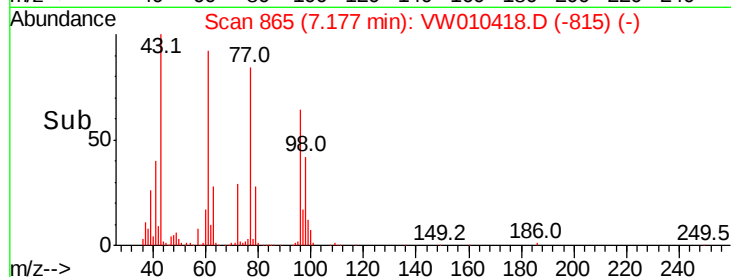
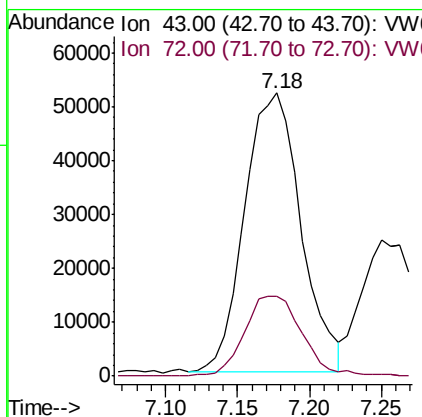
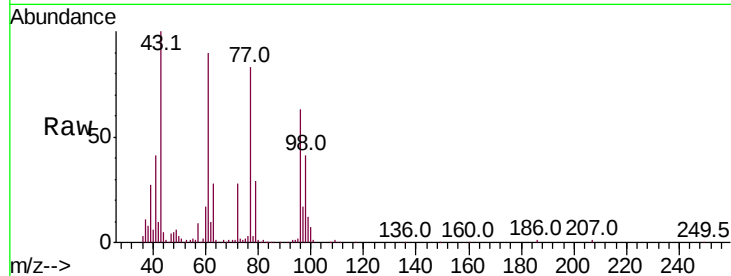
72 28.4 22.6 33.8

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#26

2,2-Dichloropropane

Concen: 19.407 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010418.D

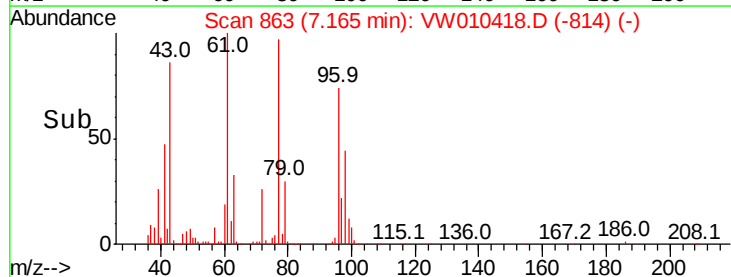
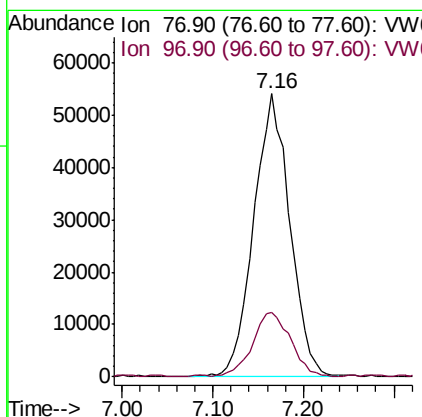
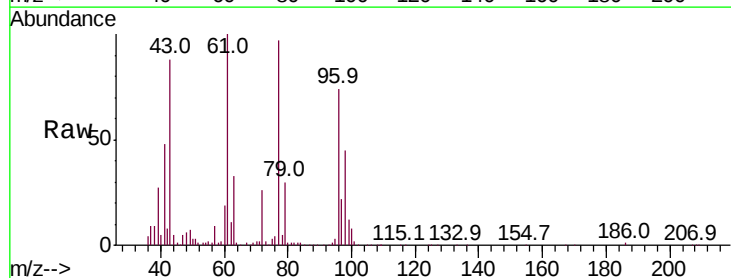
Acq: 17 May 2019 17:31

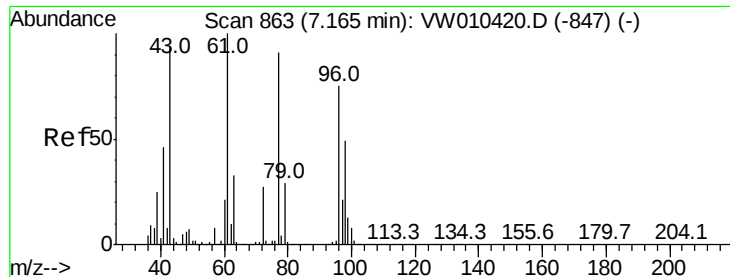
Tgt Ion: 77 Resp: 148049

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.1





#27

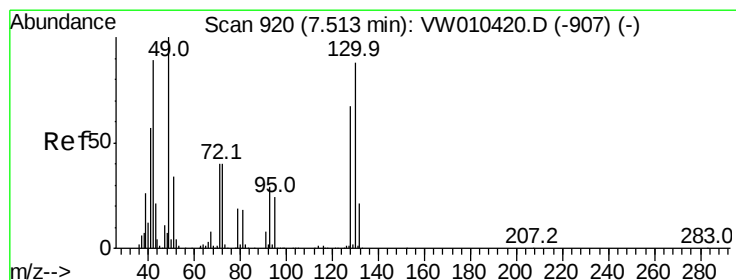
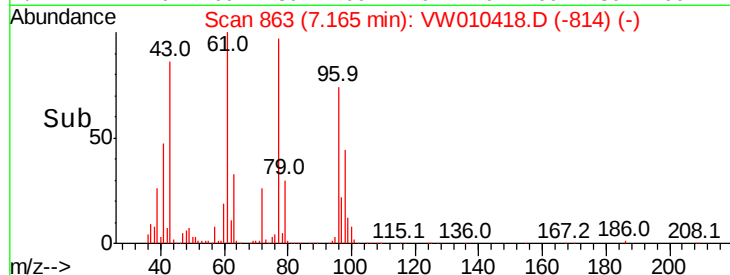
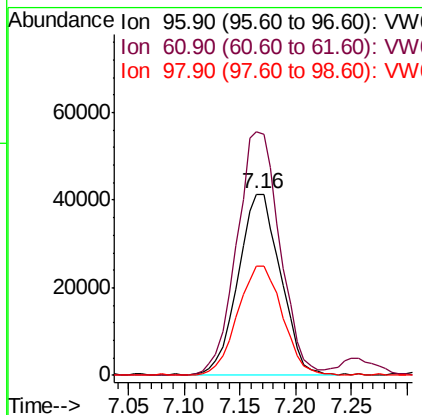
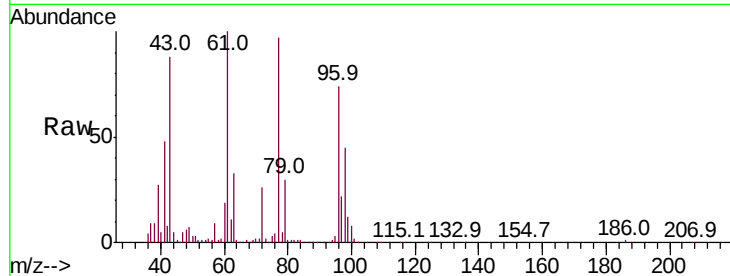
cis-1,2-Dichloroethene
Concen: 11.910 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.0	0.0	266.4	
98	63.6	0.0	129.6	

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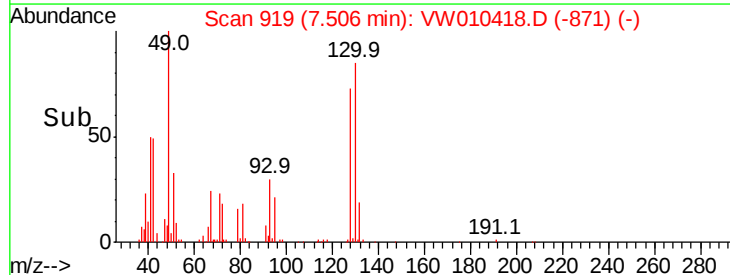
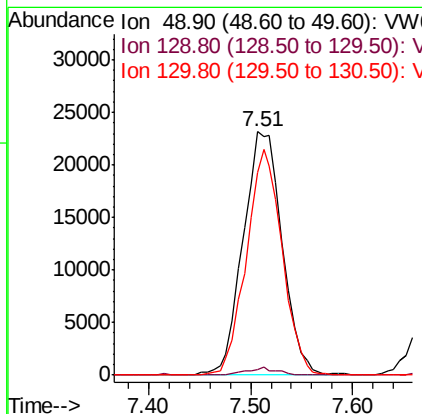
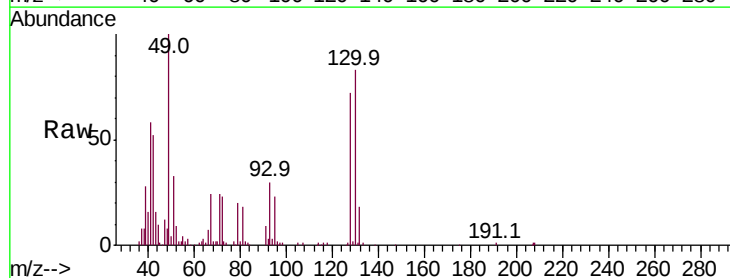
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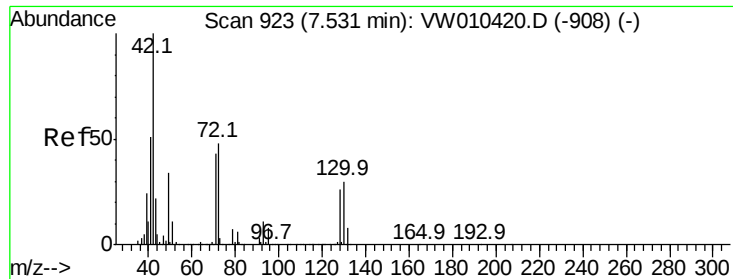


#28

Bromochloromethane
Concen: 11.082 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	4.6	
130	84.8	68.2	102.4	





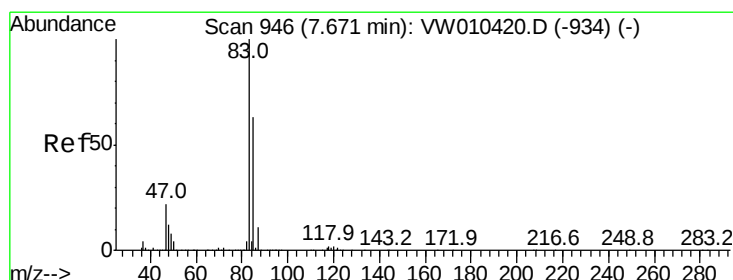
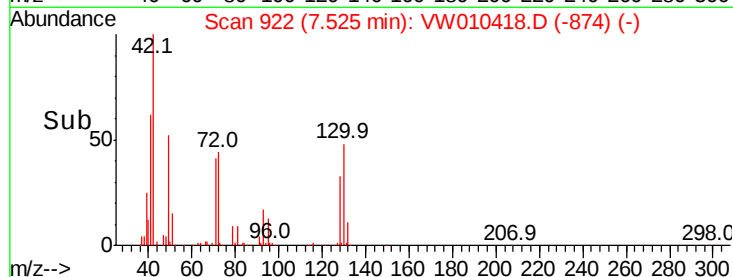
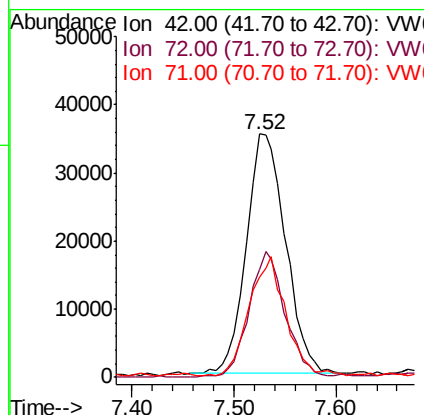
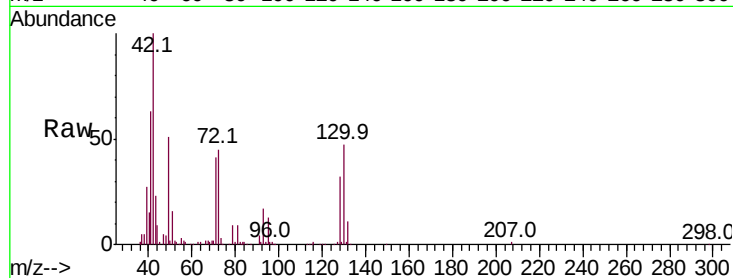
#29
Tetrahydrofuran
Concen: 55.595 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.5	38.2	57.2
71	45.7	36.0	54.0

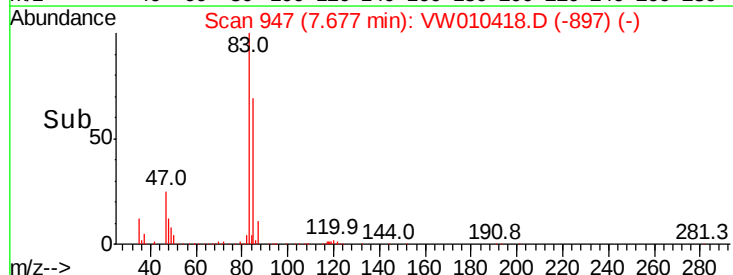
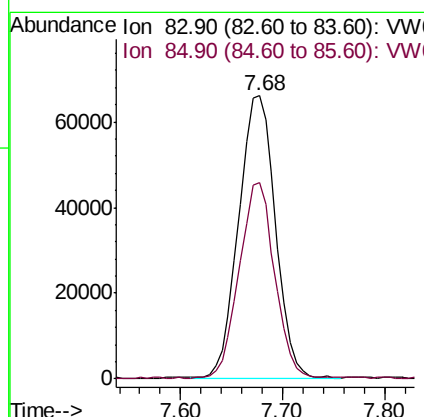
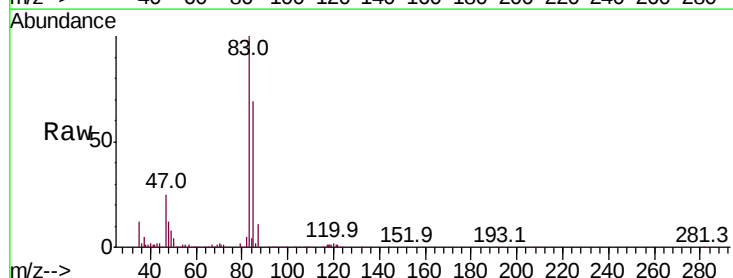
Manual Integrations
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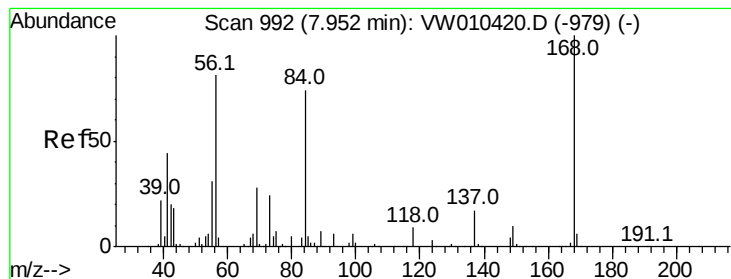
MMDadoda
5/20/2019 12:15:57 PM



#30
Chloroform
Concen: 11.668 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.4	50.8	76.2





#31

Cyclohexane

Concen: 12.905 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 56 Resp: 168196

Ion Ratio Lower Upper

56 100

69 47.9 27.6 41.4#

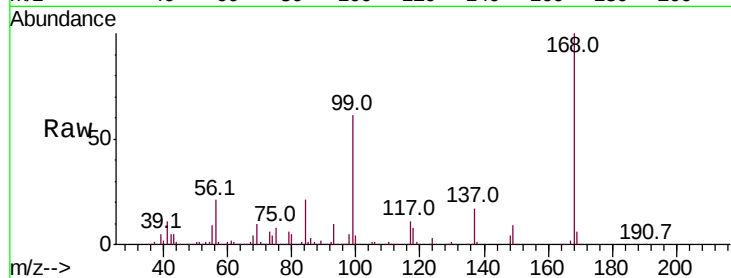
84 98.2 72.9 109.3

Manual Integrations

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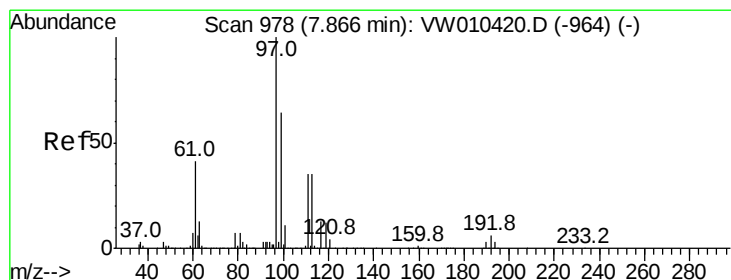
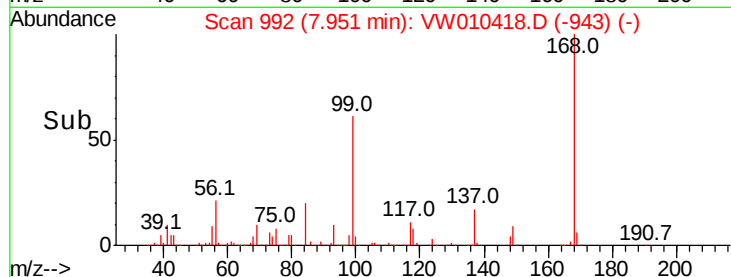
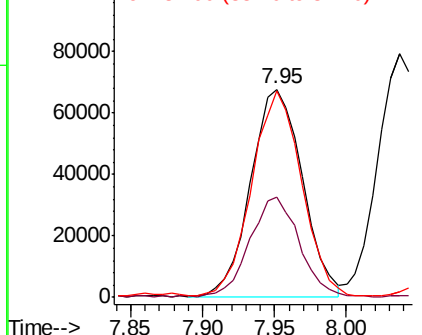


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 14.013 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

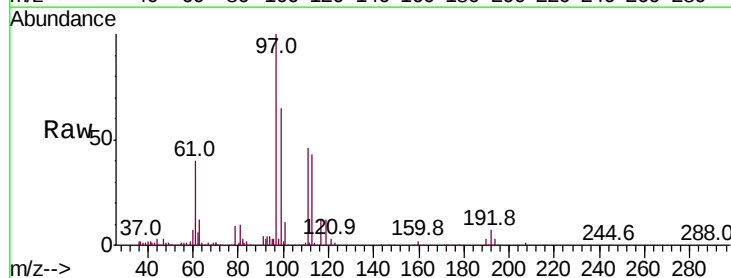
Tgt Ion: 97 Resp: 159106

Ion Ratio Lower Upper

97 100

99 63.0 51.4 77.2

61 39.8 32.0 48.0

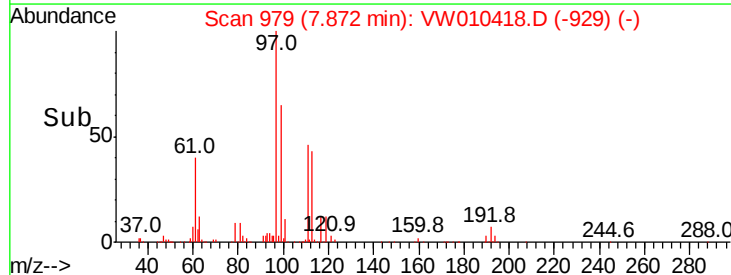
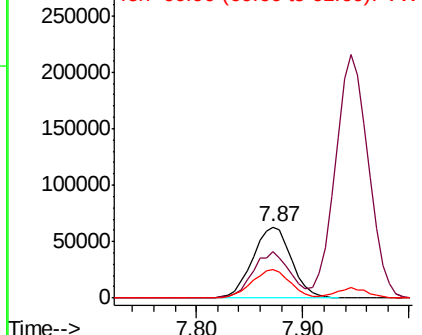


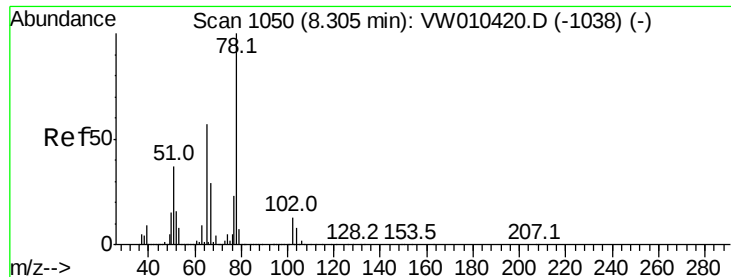
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 11.892 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 89539

Ion Ratio Lower Upper

65 100

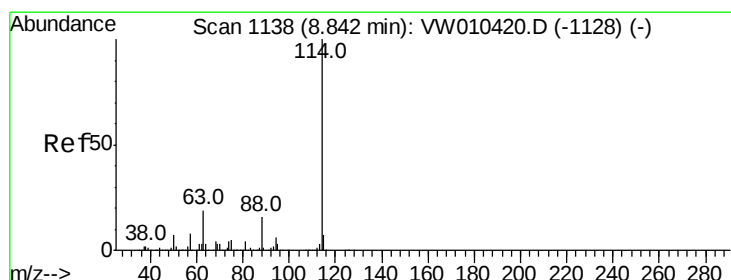
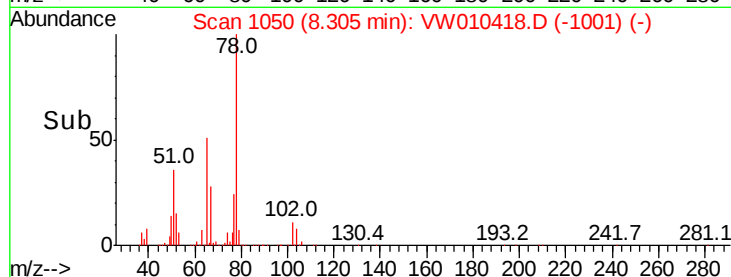
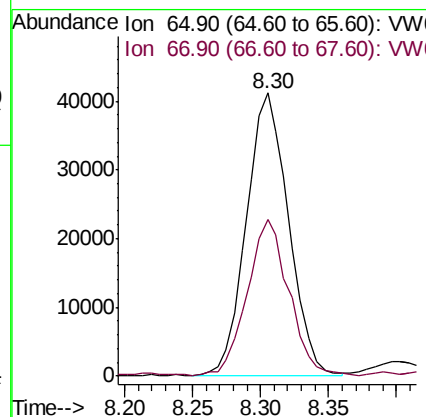
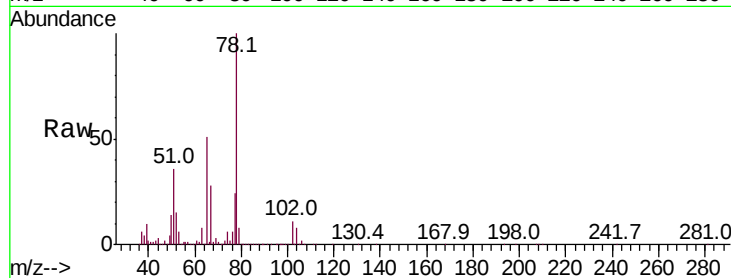
67 53.9 0.0 104.2

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: VW010418.D

Acq: 17 May 2019 17:31

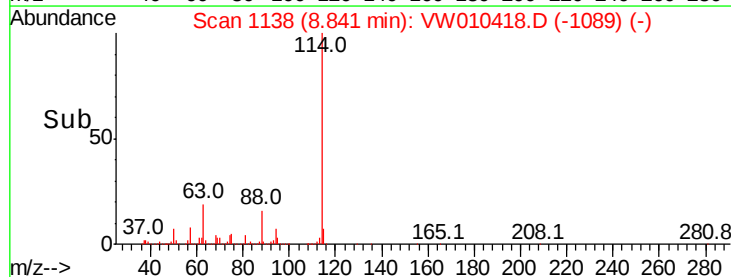
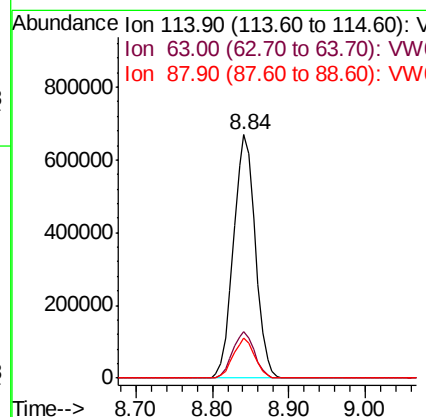
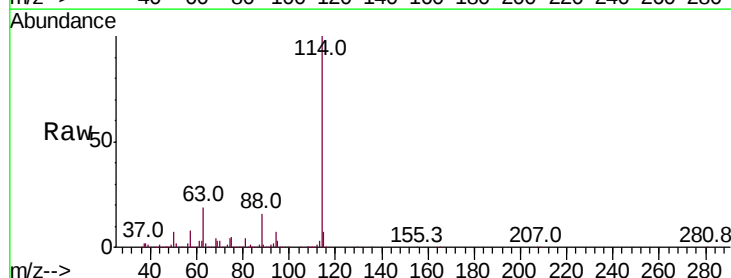
Tgt Ion:114 Resp: 1315363

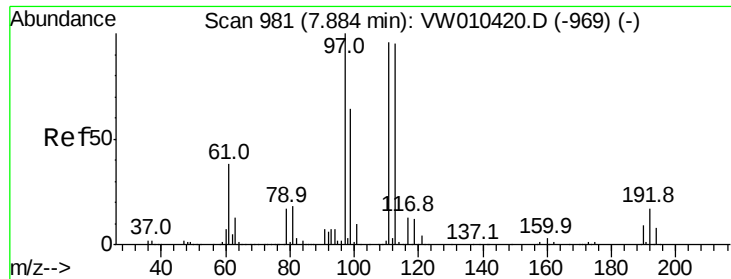
Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

88 16.4 0.0 31.6





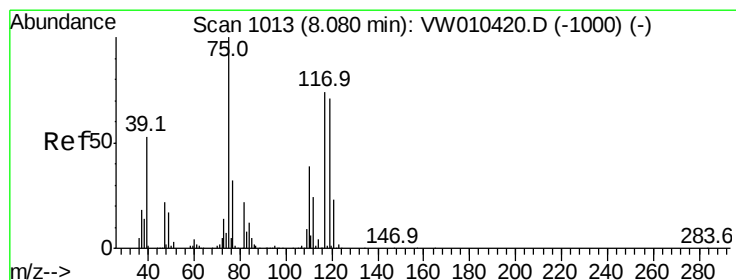
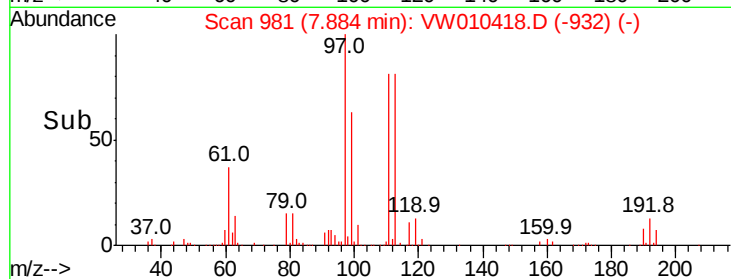
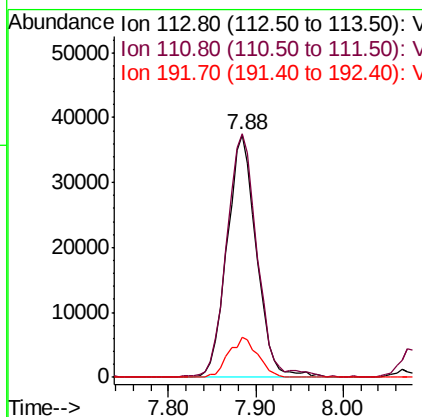
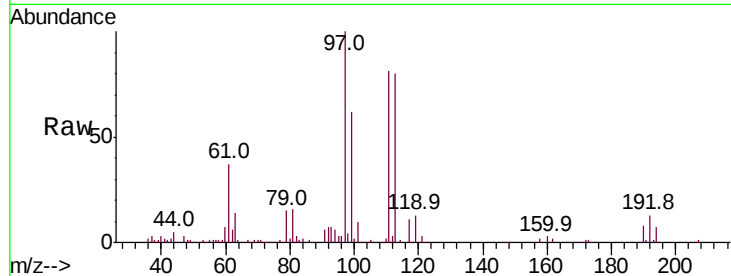
#35
 Dibromofluoromethane
 Concen: 11.107 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.5	123.7
192	16.3	14.2	21.4

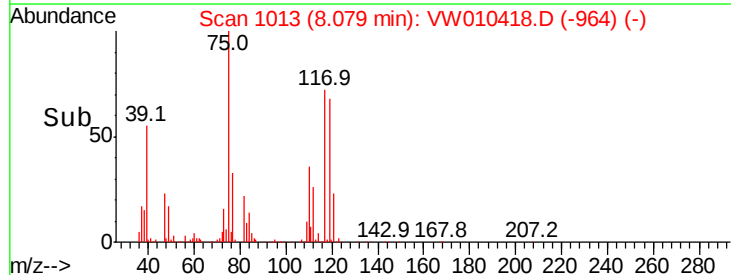
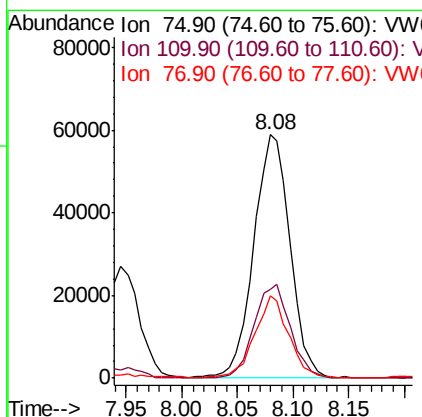
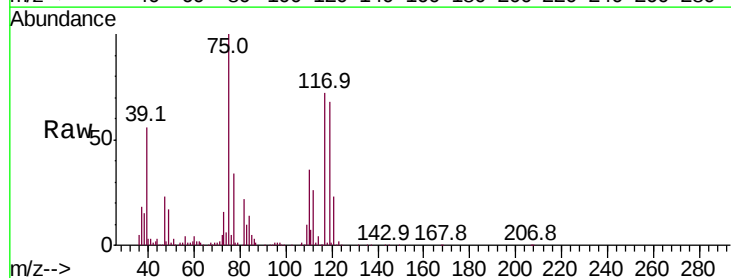
Manual Integrations
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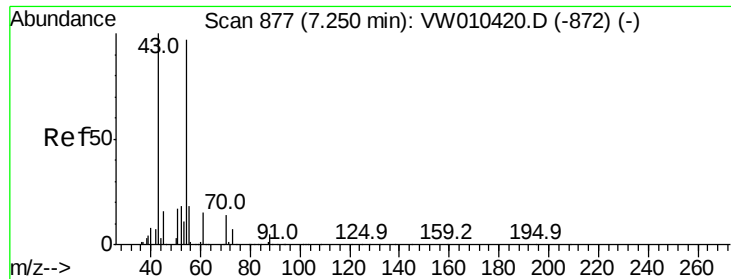
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#36
 1,1-Dichloropropene
 Concen: 11.763 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.4	58.1
77	31.4	24.7	37.1





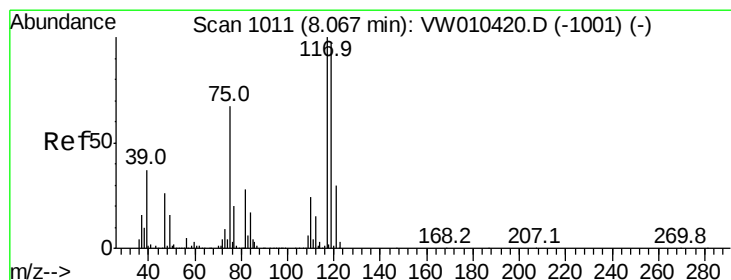
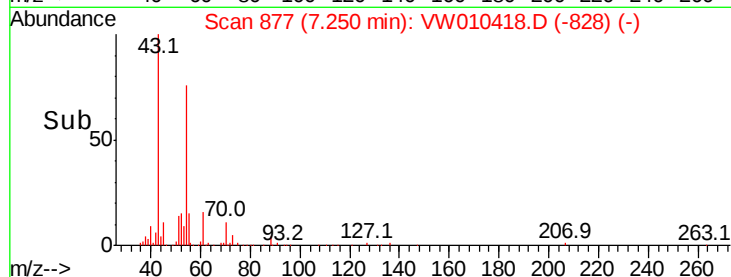
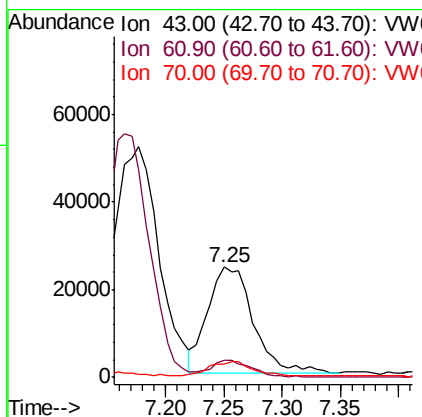
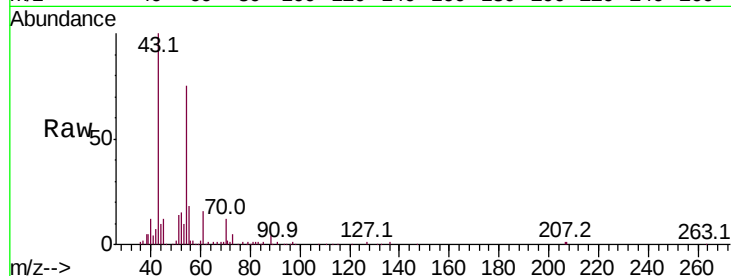
#37
Ethyl Acetate
Concen: 11.630 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	12.9	9.4	14.0

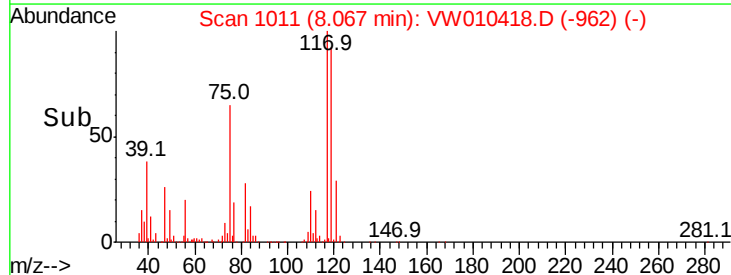
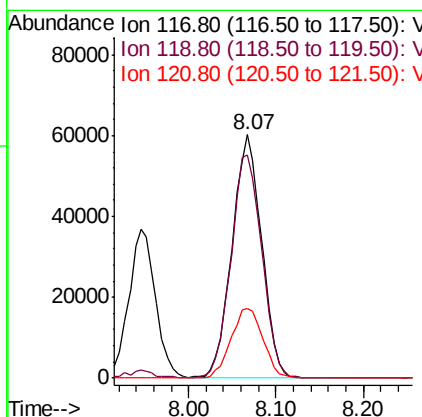
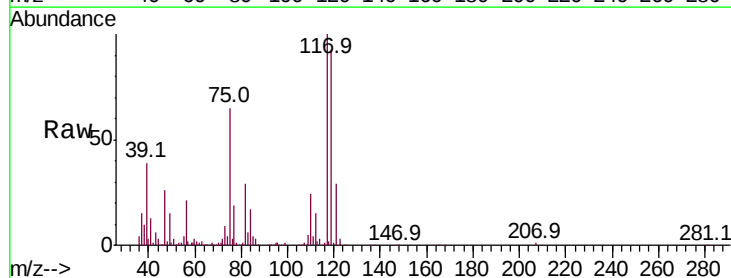
Manual Integrations
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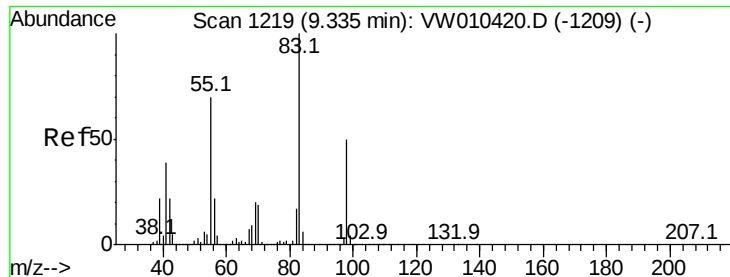
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#38
Carbon Tetrachloride
Concen: 12.235 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	77.8	116.6
121	28.7	24.2	36.2





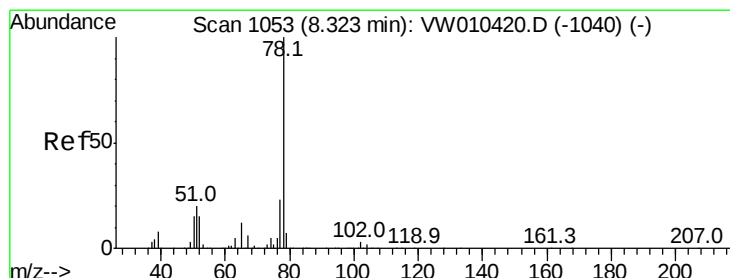
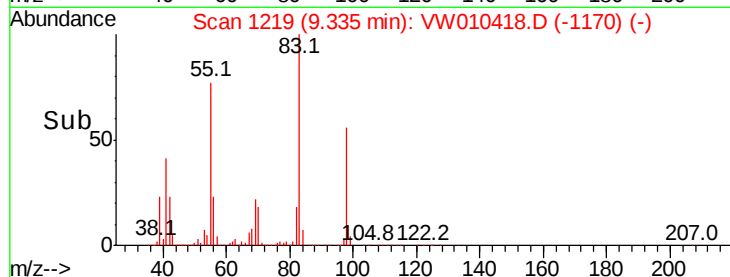
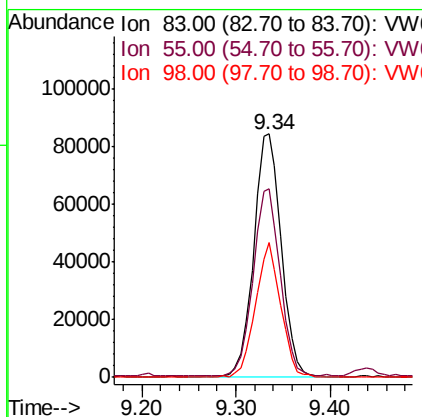
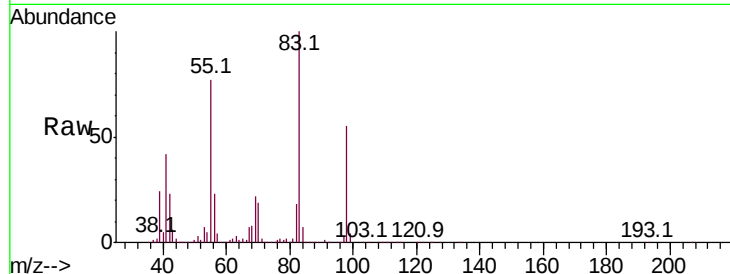
#39
Methvlcvclohexane
Concen: 11.532 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	55.7	83.5
98	55.5	40.2	60.4

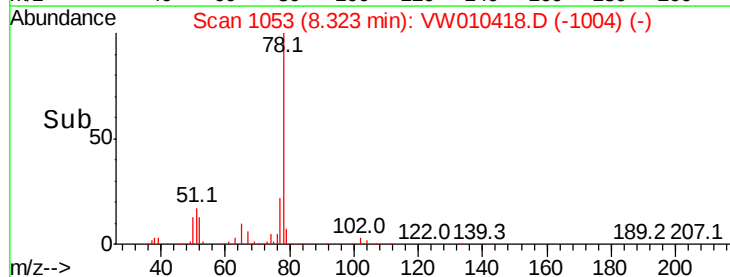
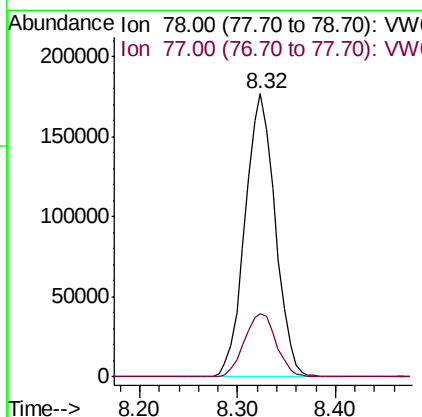
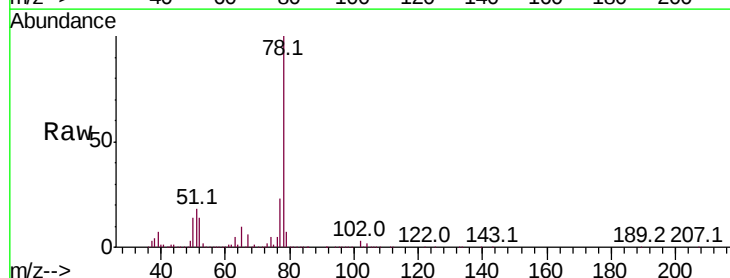
Manual Integrations
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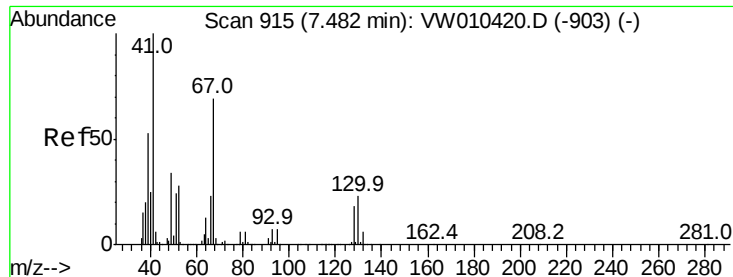
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#40
Benzene
Concen: 11.508 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.7	28.1





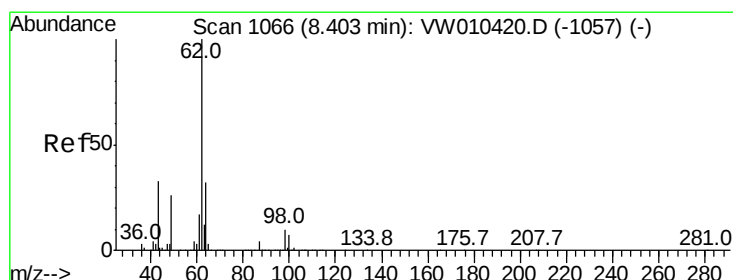
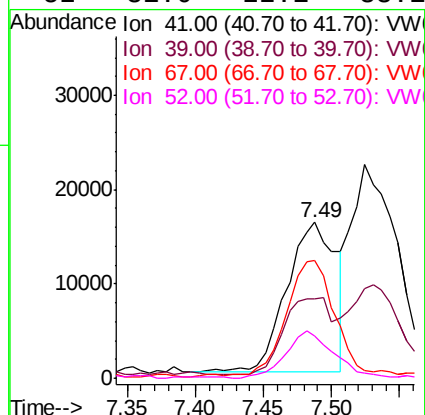
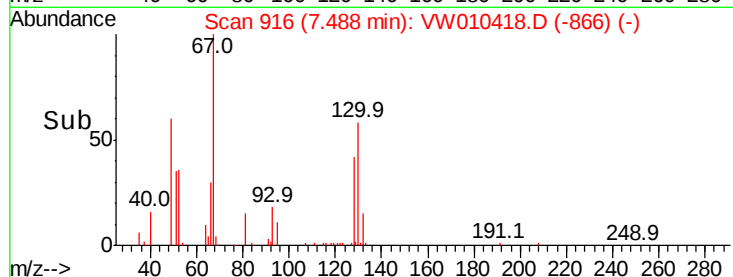
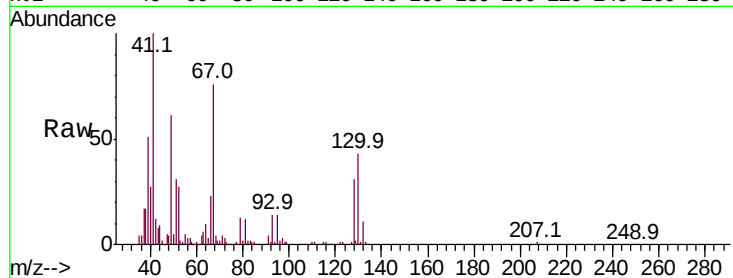
#41
Methacrylonitrile
Concen: 11.597 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.7	38.1	57.1
67	75.8	55.5	83.3
52	31.0	22.1	33.1

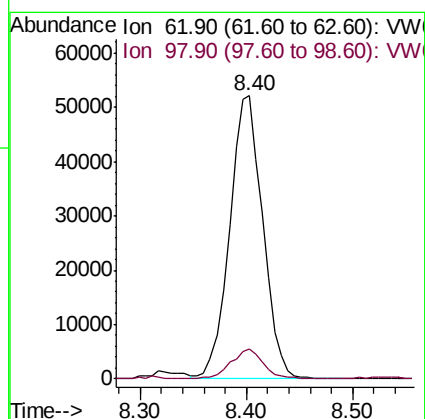
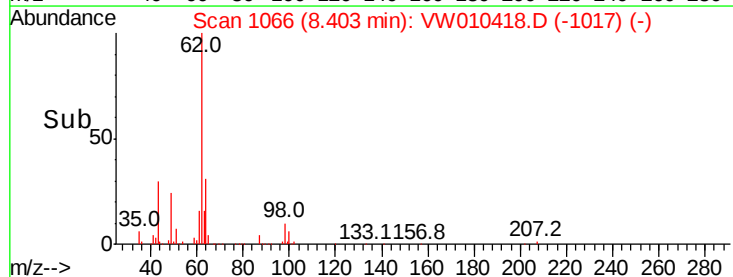
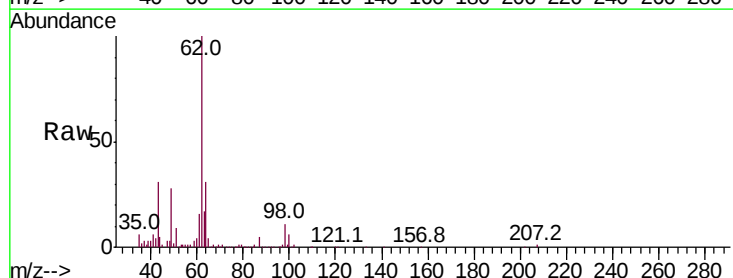
Manual Integrations
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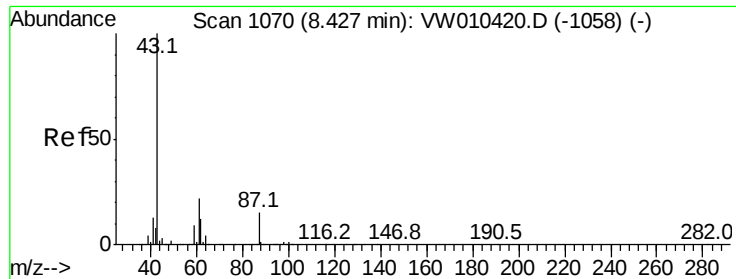
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#42
1,2-Dichloroethane
Concen: 11.827 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.2





#43

Isopropyl Acetate

Concen: 11.001 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

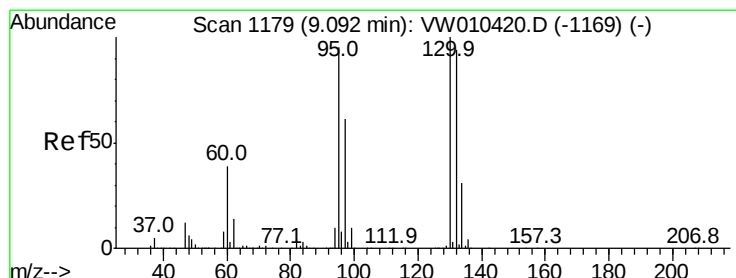
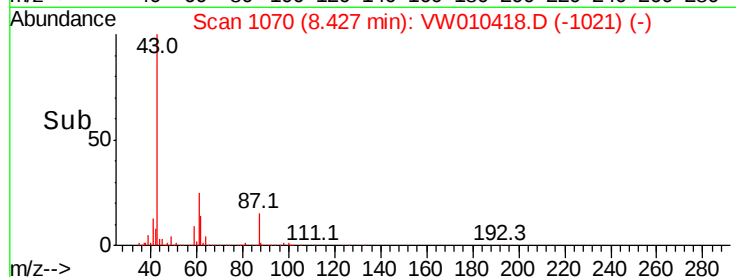
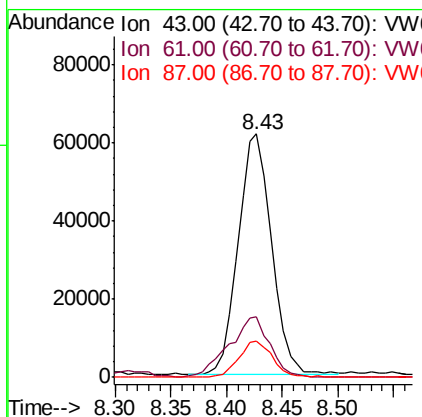
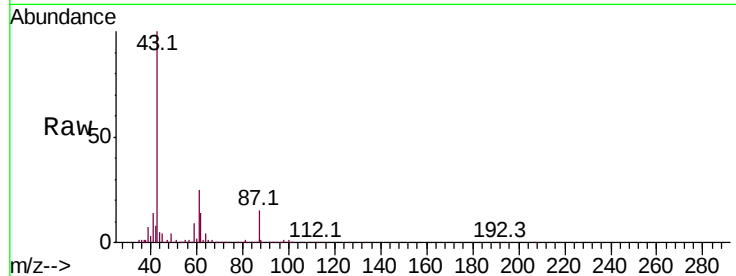
ClientSampleId :

VSTDIC010

Tot Ion	43	Resp	128629
Ion	Ratio	Lower	Upper
43	100		
61	30.9	24.4	36.6
87	15.3	11.8	17.8

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#44

Trichloroethene

Concen: 11.391 ug/l

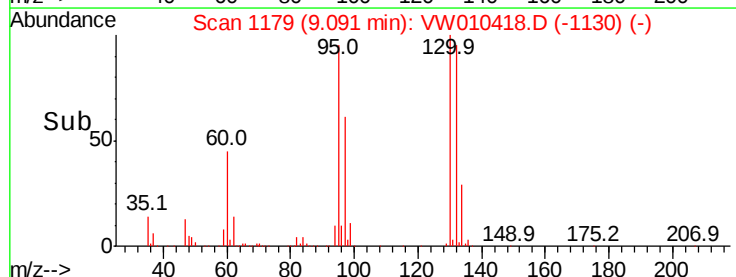
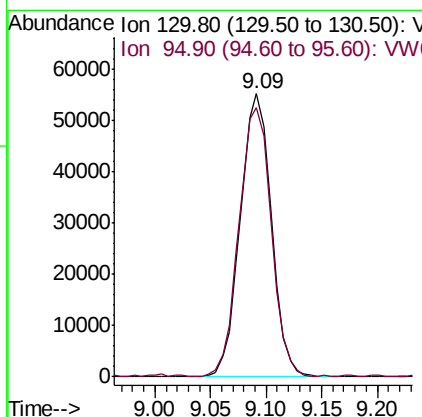
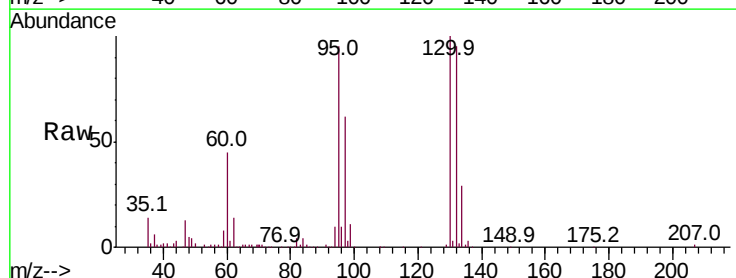
RT: 9.09 min Scan# 1179

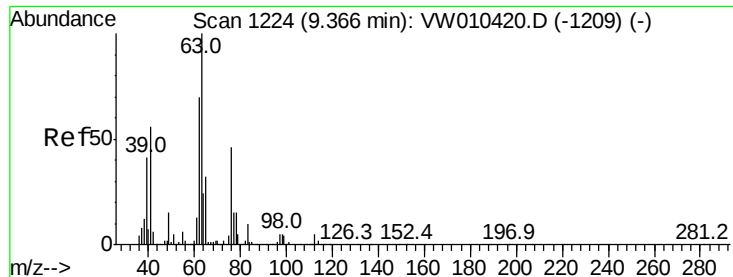
Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion	130	Resp	107112
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	190.4





#45

1,2-Dichloropropane

Concen: 11.129 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 90906

Ion Ratio Lower Upper

63 100

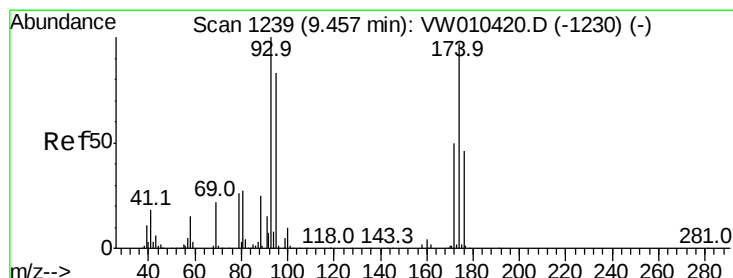
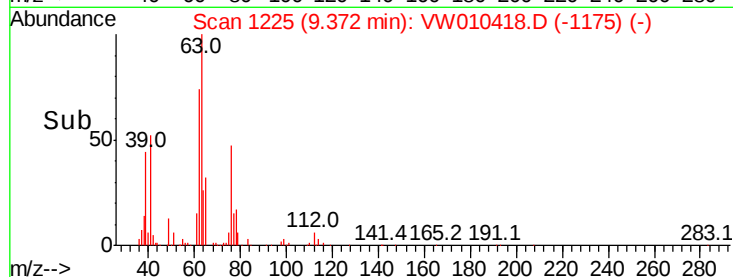
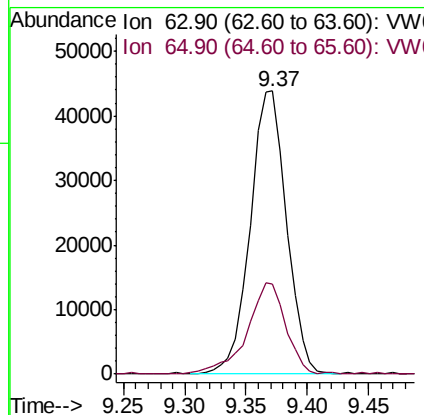
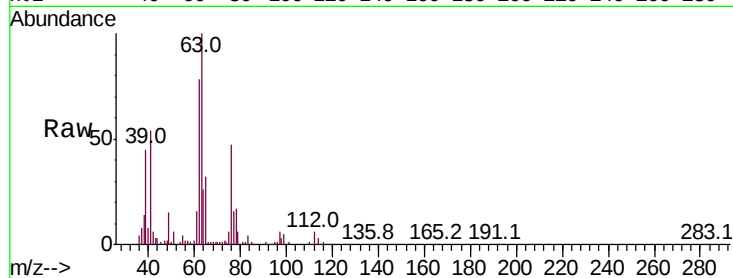
65 31.8 25.4 38.2

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#46

Dibromomethane

Concen: 11.343 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

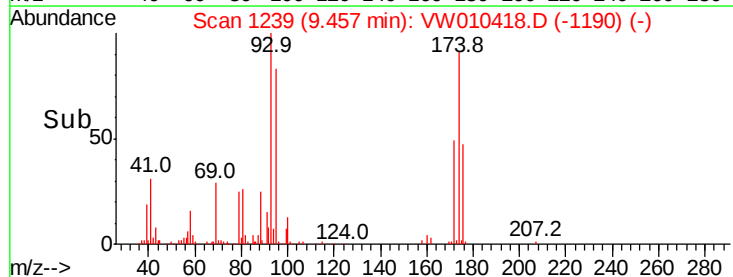
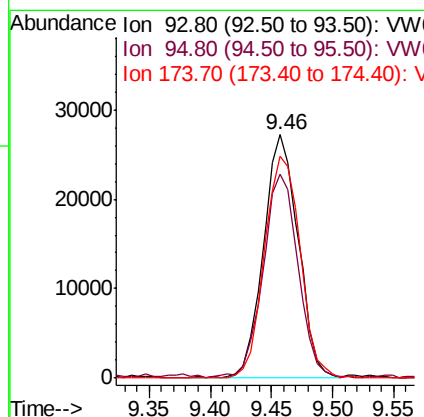
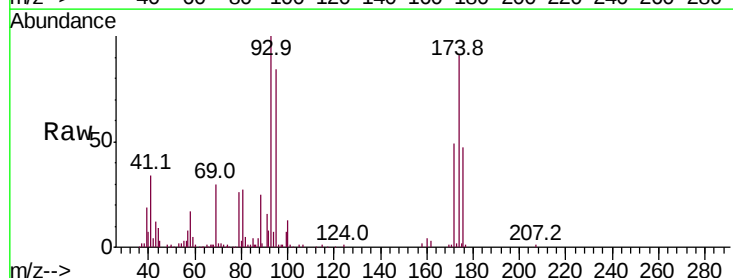
Tgt Ion: 93 Resp: 53949

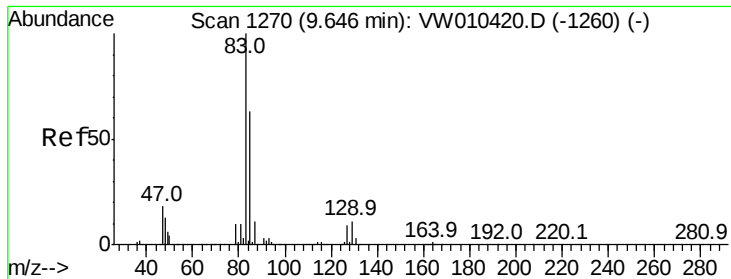
Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

174 93.8 76.4 114.6





#47

Bromodichloromethane

Concen: 11.429 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

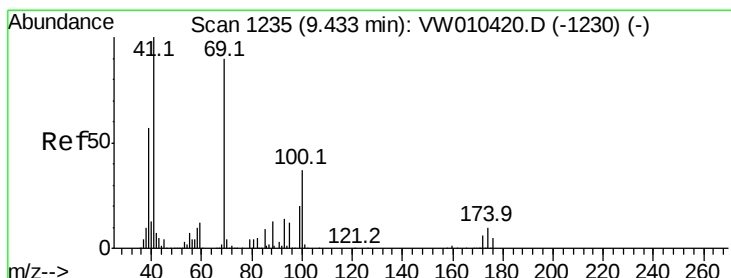
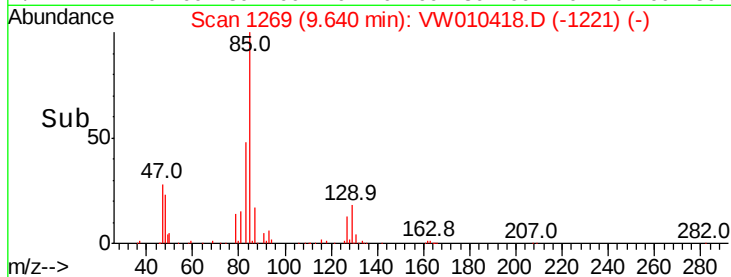
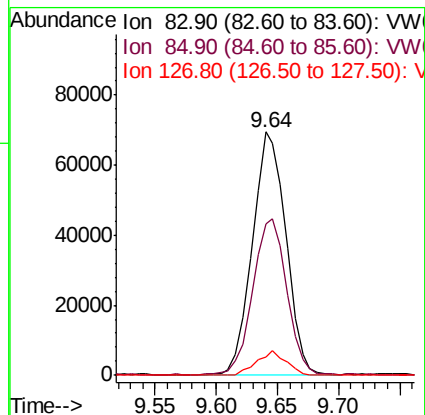
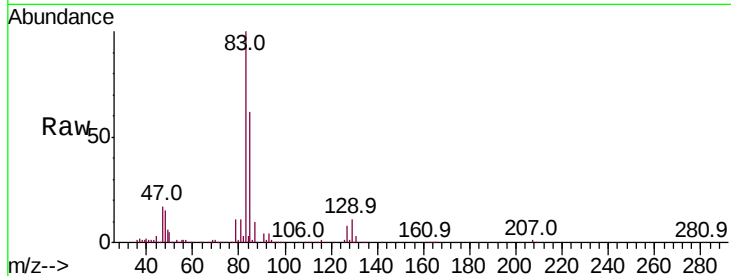
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	133299
Ion Ratio	Lower	Upper	
83	100		
85	62.0	50.0	75.0
127	7.7	7.3	10.9

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#48

Methyl methacrylate

Concen: 11.294 ug/l

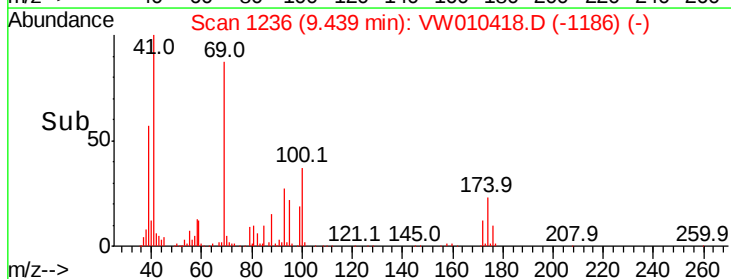
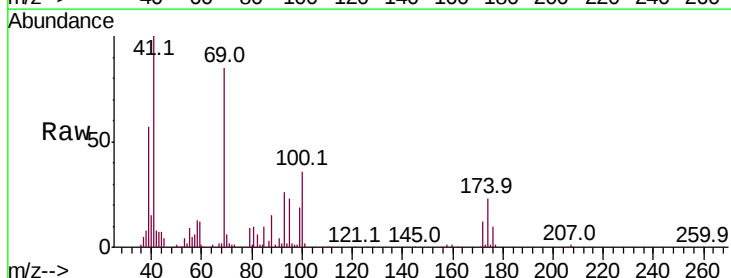
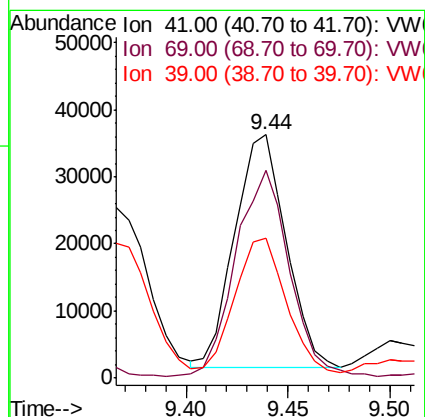
RT: 9.44 min Scan# 1236

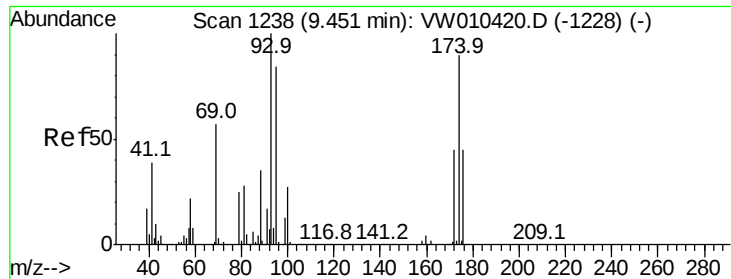
Delta R.T. 0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion:	41	Resp:	60692
Ion Ratio	Lower	Upper	
41	100		
69	92.9	75.2	112.8
39	60.6	46.8	70.2





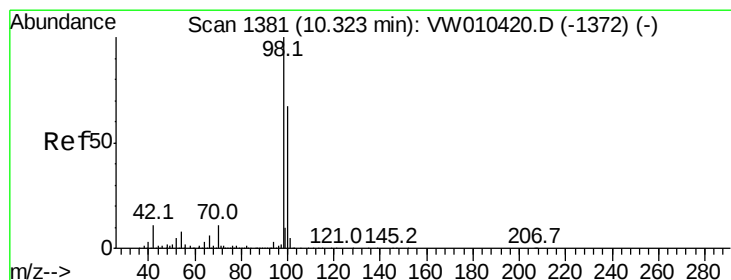
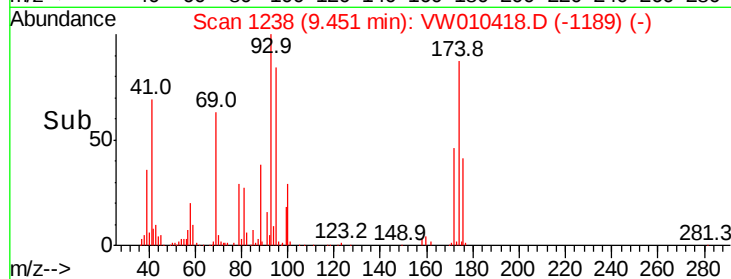
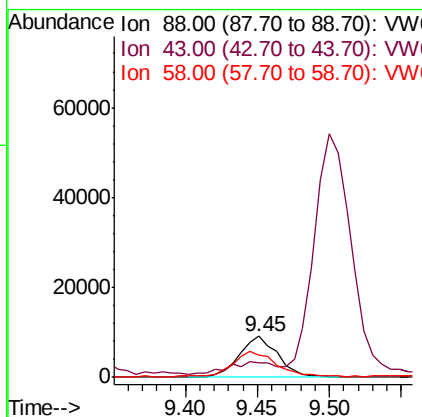
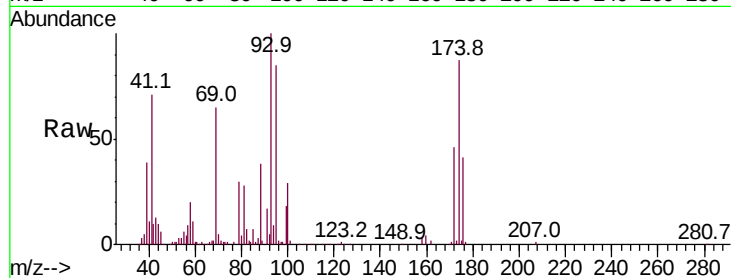
#49
1,4-Dioxane
Concen: 203.362 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	24.9	37.3
58	72.3	55.0	82.6

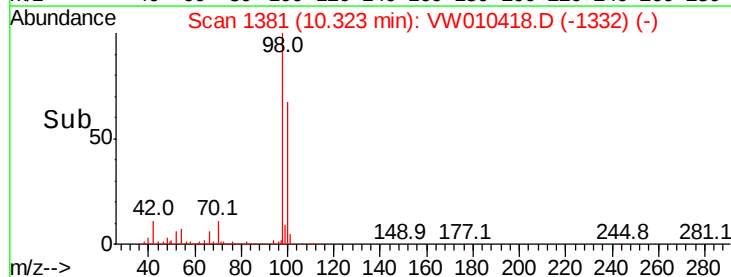
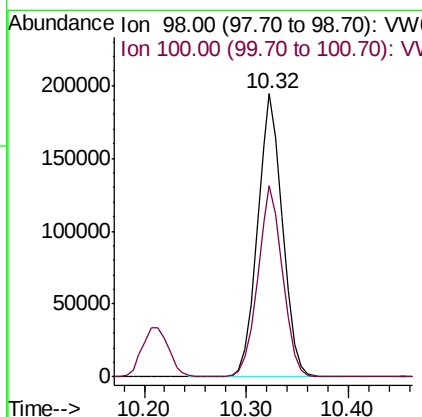
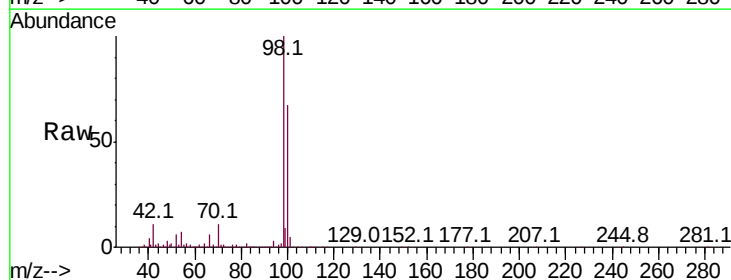
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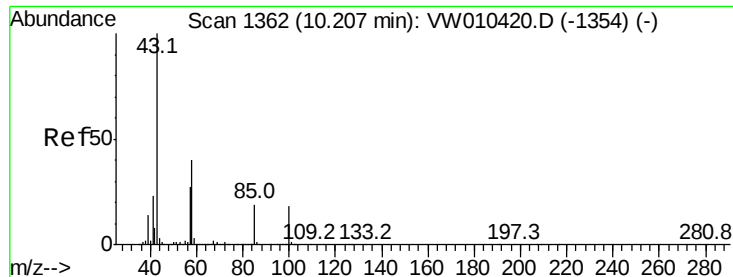
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#50
Toluene-d8
Concen: 11.137 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 55.822 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 337889

Ion Ratio Lower Upper

43 100

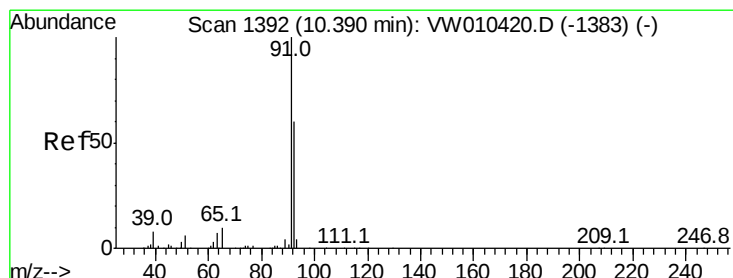
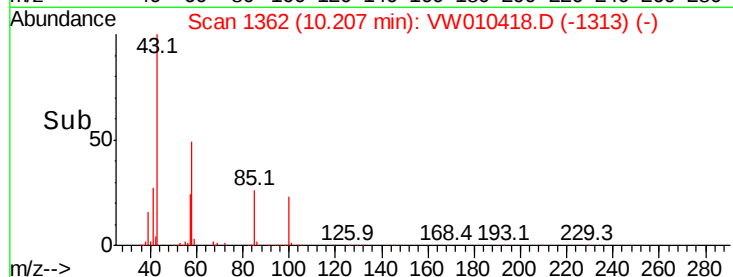
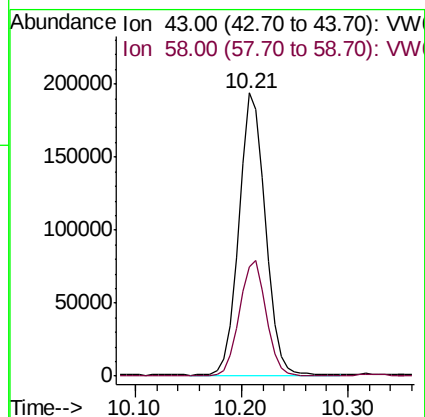
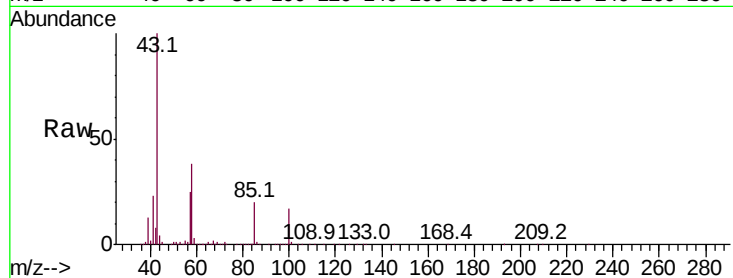
58 41.4 32.7 49.1

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#52

Toluene

Concen: 11.423 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010418.D

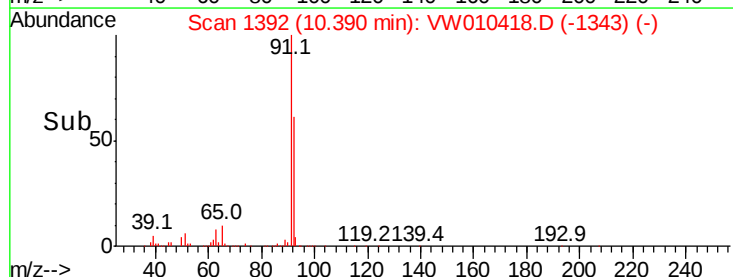
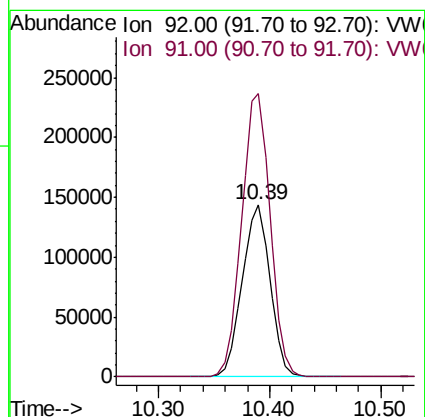
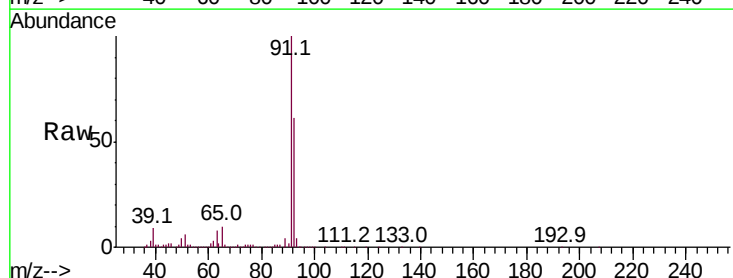
Acq: 17 May 2019 17:31

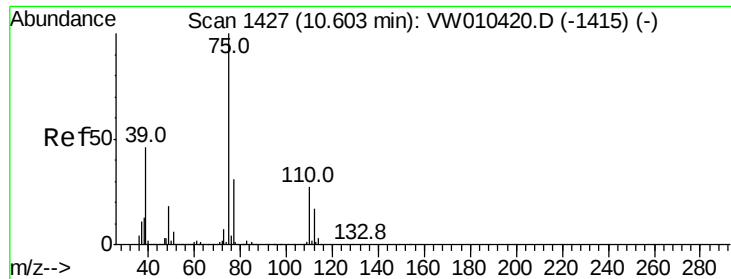
Tgt Ion: 92 Resp: 250646

Ion Ratio Lower Upper

92 100

91 167.8 135.4 203.0





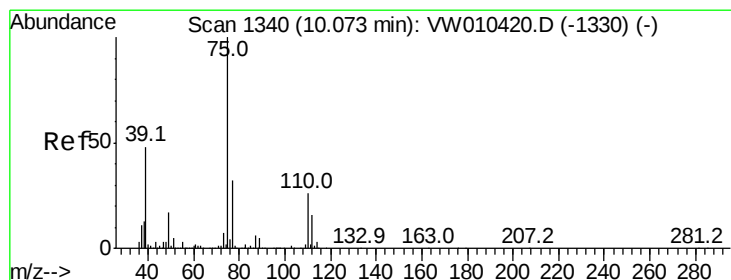
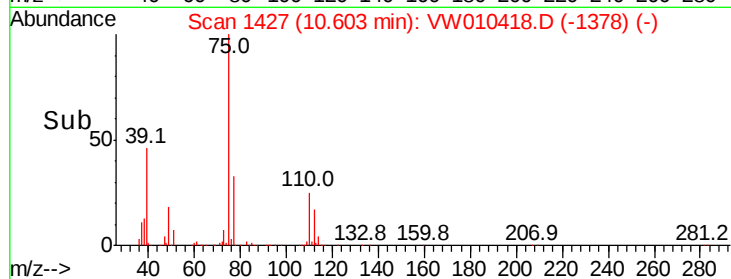
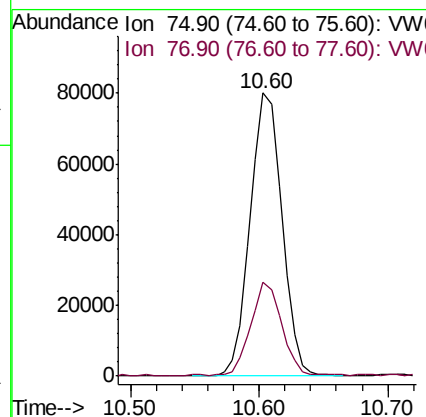
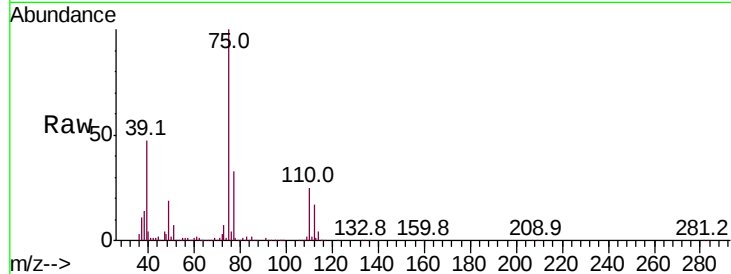
#53
 t-1,3-Dichloropropene
 Concen: 11.165 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 75 Resp: 137179
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.6 37.0

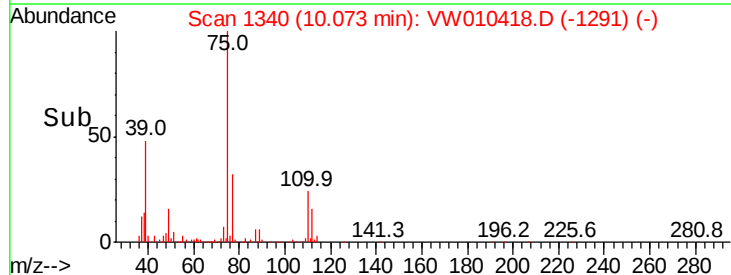
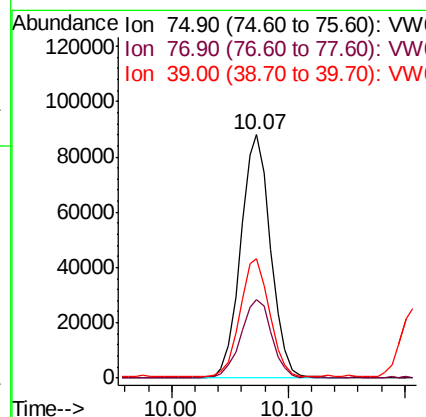
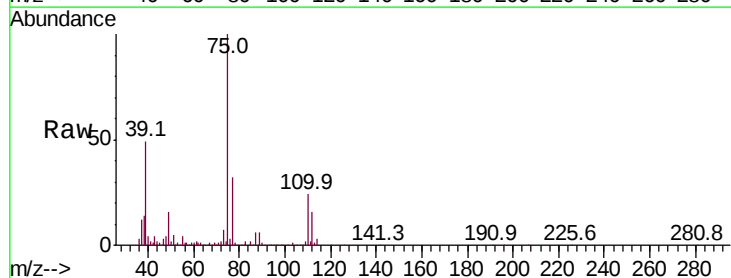
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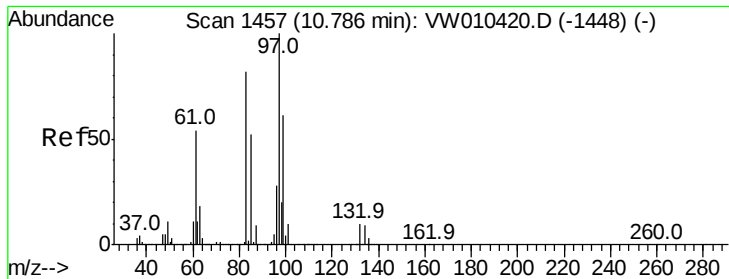
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#54
 cis-1,3-Dichloropropene
 Concen: 11.326 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Tgt Ion: 75 Resp: 157323
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.2 37.8
 39 48.4 38.1 57.1





#55

1,1,2-Trichloroethane

Concen: 11.202 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

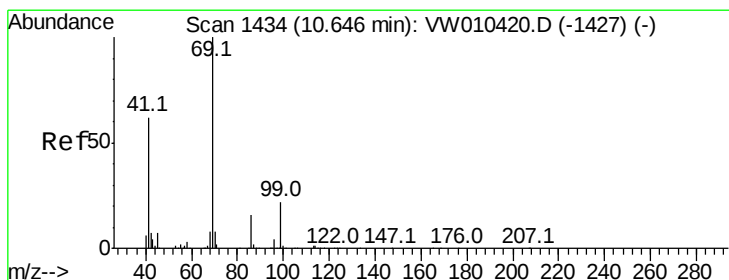
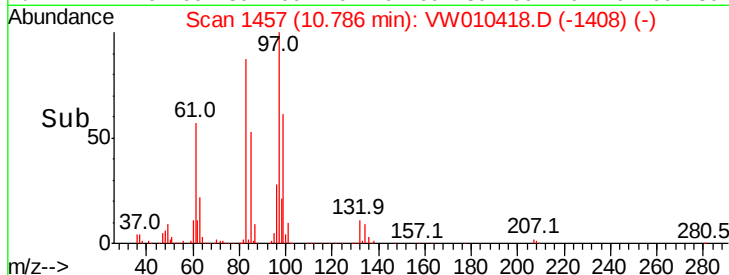
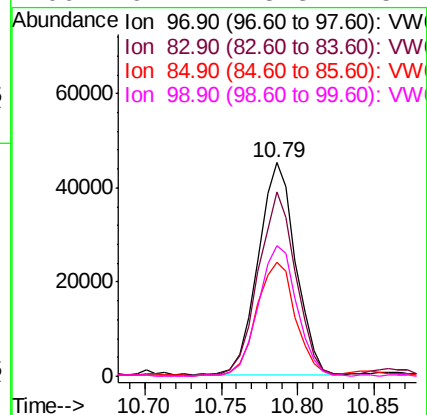
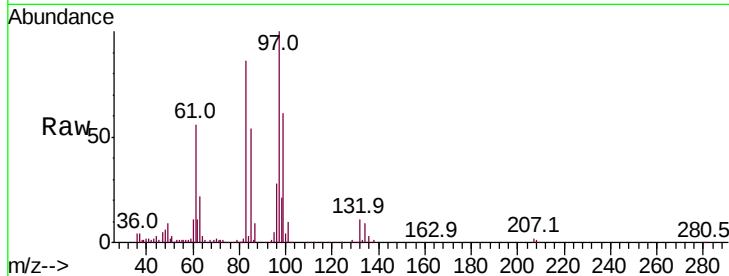
ClientSampleId :

VSTDIC010

Tot Ion	97	Resp	77042
Ion	Ratio	Lower	Upper
97	100		
83	86.1	65.6	98.4
85	53.6	41.6	62.4
99	61.1	48.8	73.2

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#56

Ethyl methacrylate

Concen: 11.131 ug/l

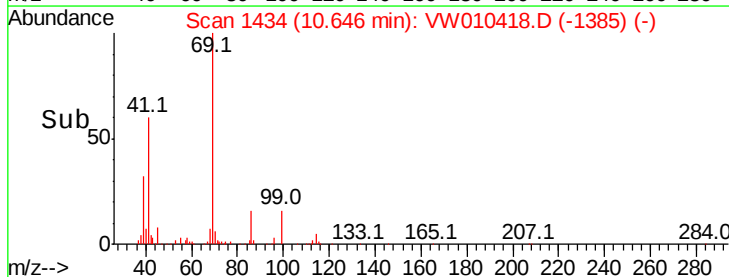
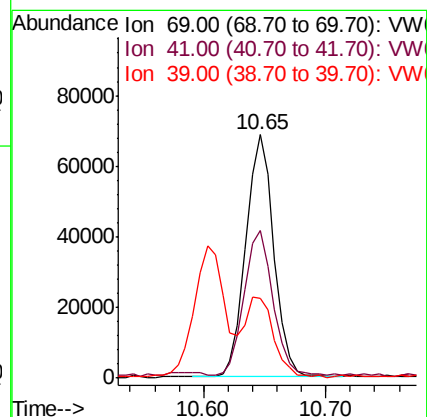
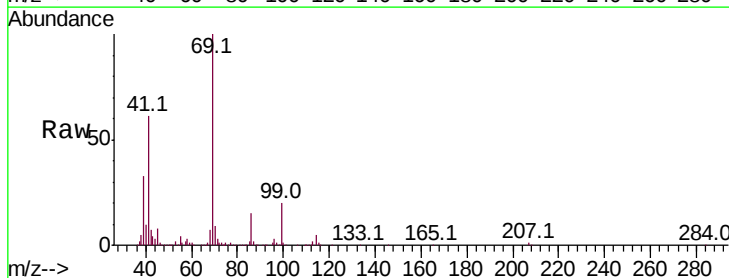
RT: 10.65 min Scan# 1434

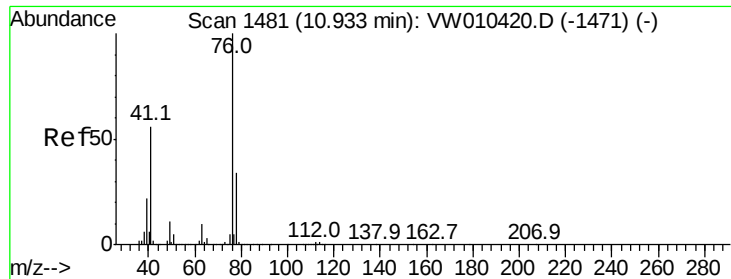
Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion	69	Resp	108704
Ion	Ratio	Lower	Upper
69	100		
41	61.6	50.0	75.0
39	33.4	26.5	39.7





#57

1,3-Dichloropropane

Concen: 11.570 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010418.D

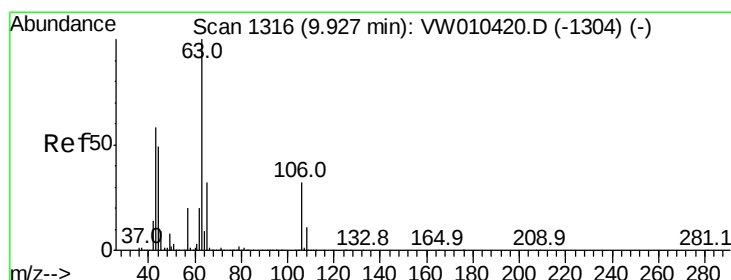
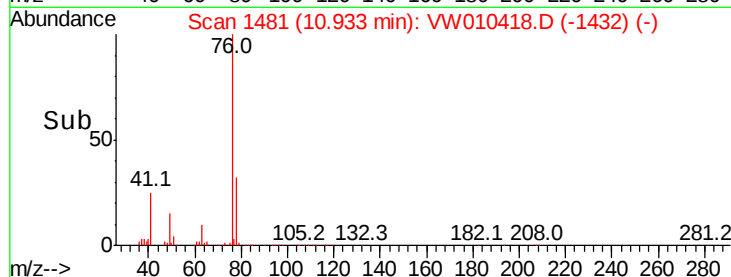
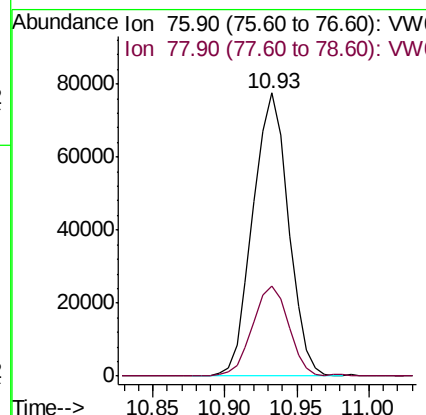
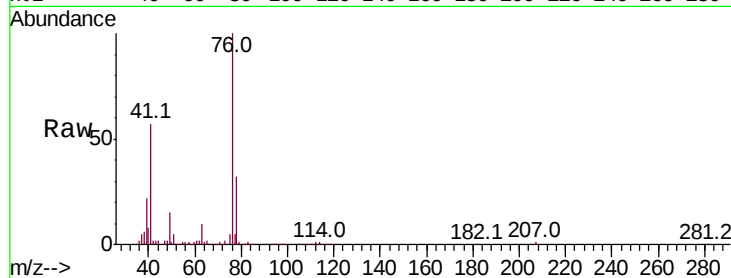
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 61.933 ug/l

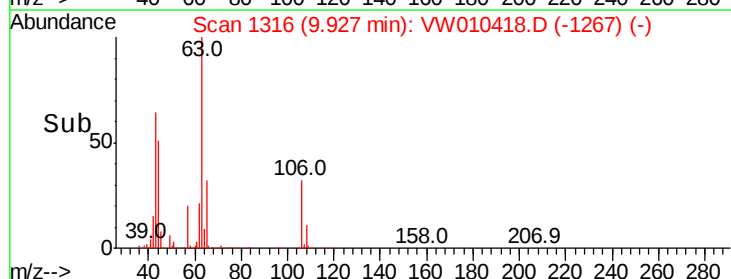
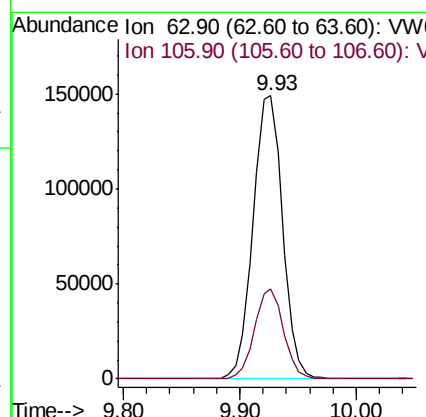
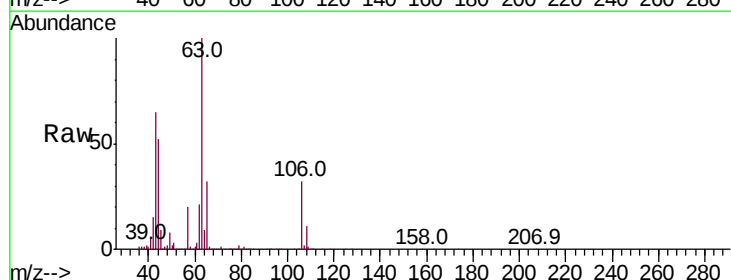
RT: 9.93 min Scan# 1316

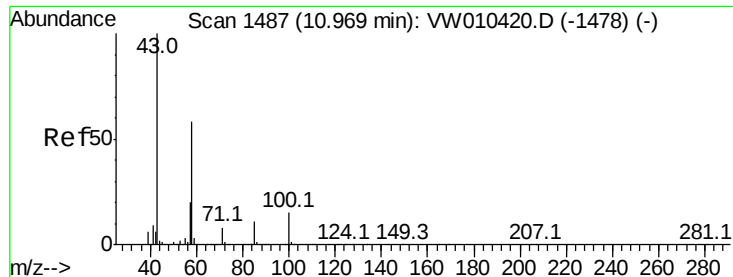
Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.3	25.2	37.8





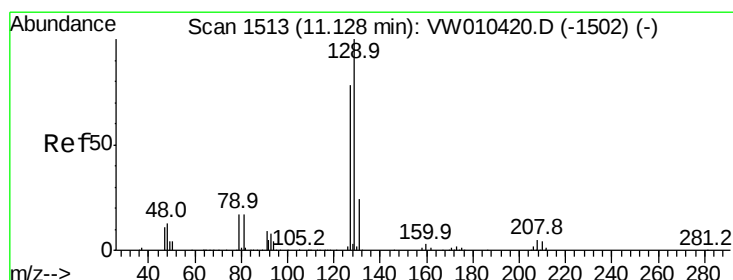
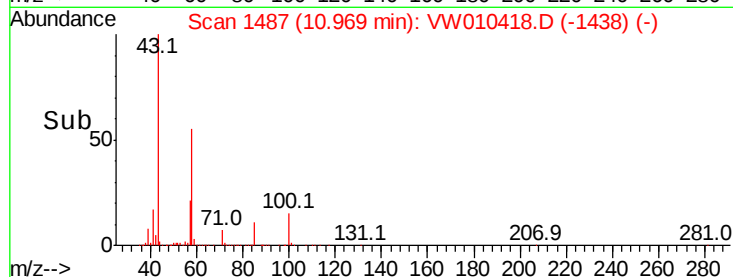
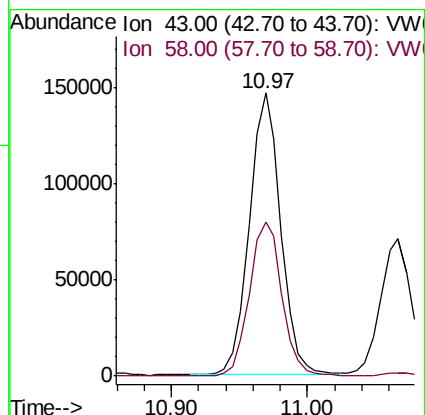
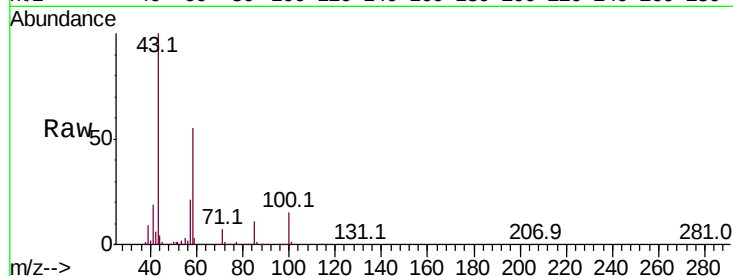
#59
2-Hexanone
Concen: 55.573 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 237264
Ion Ratio Lower Upper
43 100
58 56.8 28.5 85.6

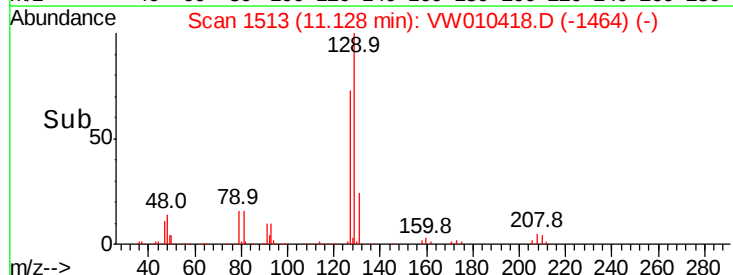
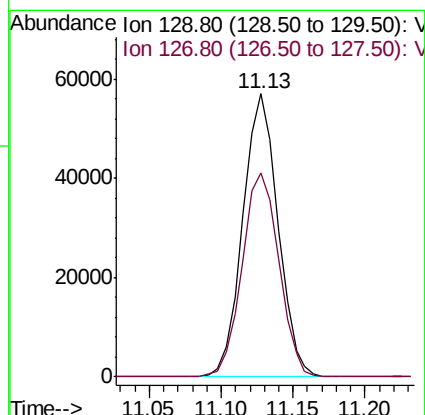
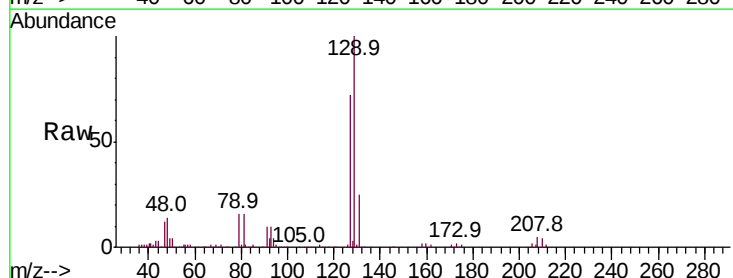
Manual Integrations
APPROVED

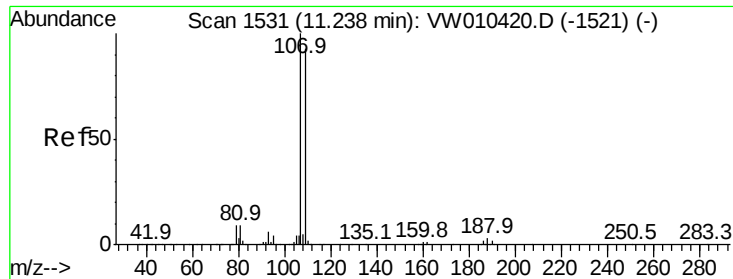
MMDadoda
5/20/2019 12:15:57 PM



#60
Dibromochloromethane
Concen: 11.225 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion: 129 Resp: 96432
Ion Ratio Lower Upper
129 100
127 75.4 39.0 116.9





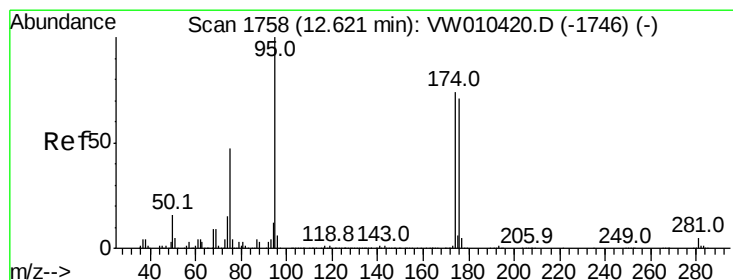
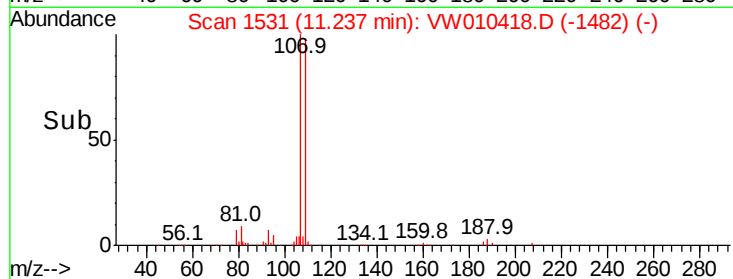
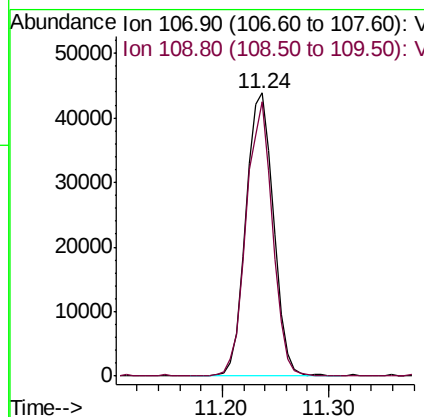
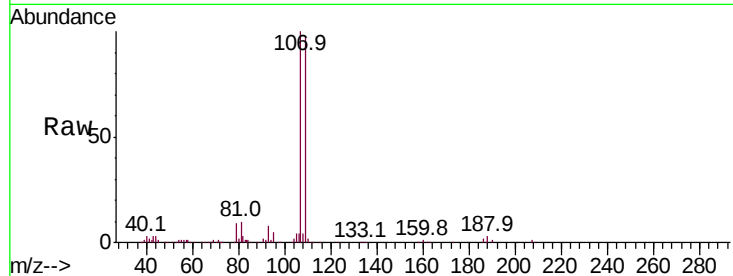
#61
 1,2-Dibromoethane
 Concen: 11.571 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	74.8	112.2

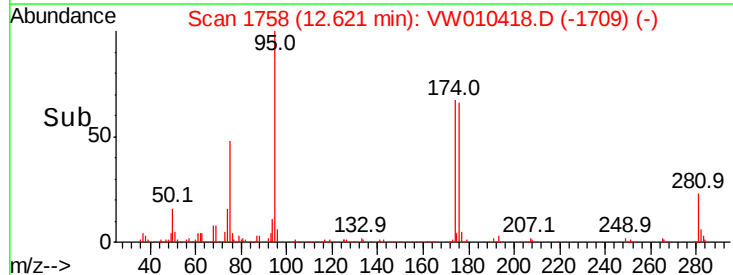
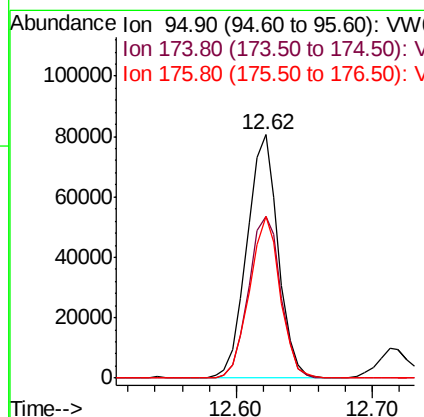
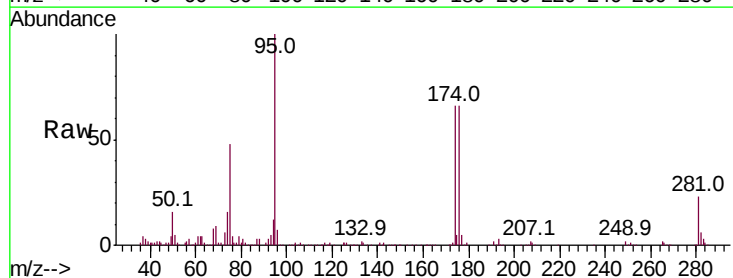
Manual Integrations
 APPROVED

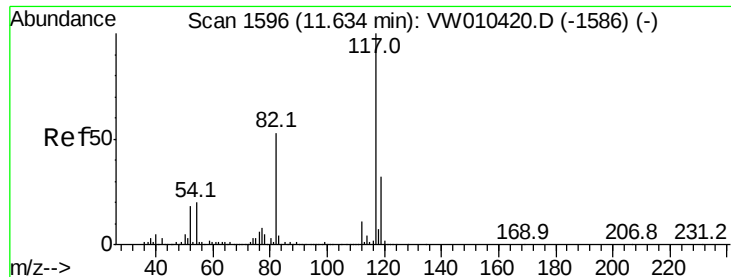
MMDadoda
 5/20/2019 12:15:57 PM



#62
 4-Bromofluorobenzene
 Concen: 11.024 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.9	0.0	146.6
176	65.9	0.0	141.4





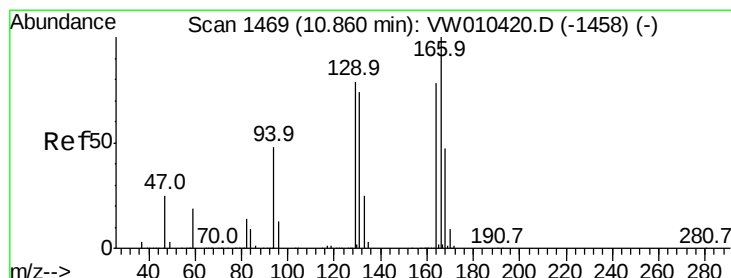
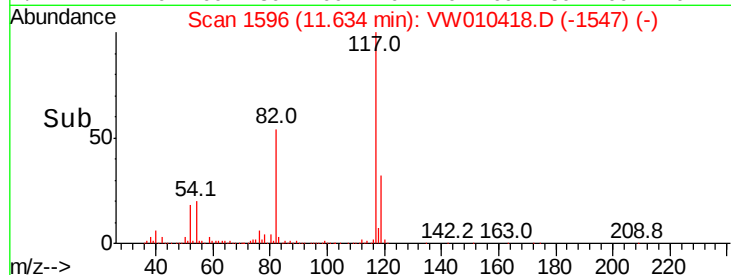
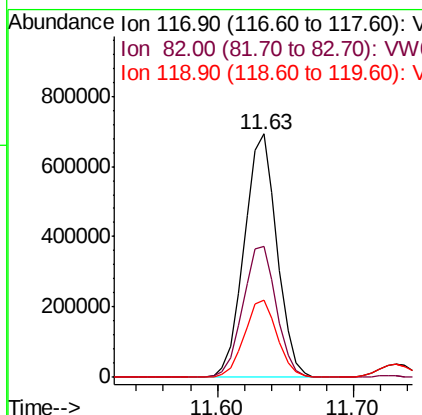
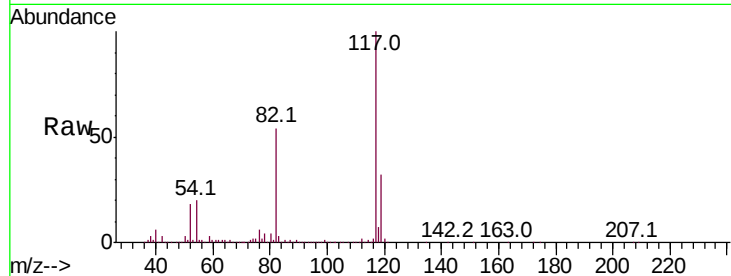
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.1	63.1
119	31.5	25.6	38.4

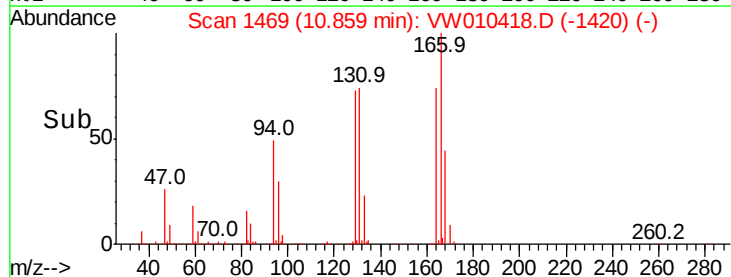
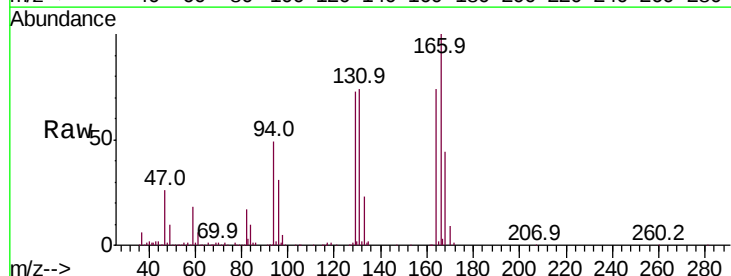
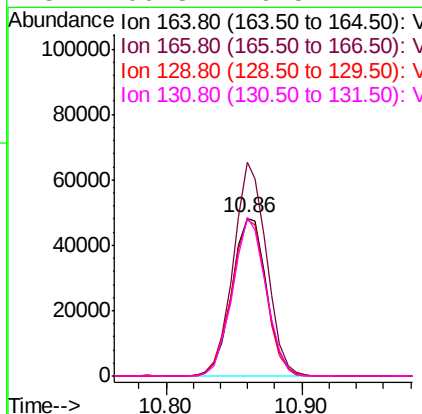
Manual Integrations
APPROVED

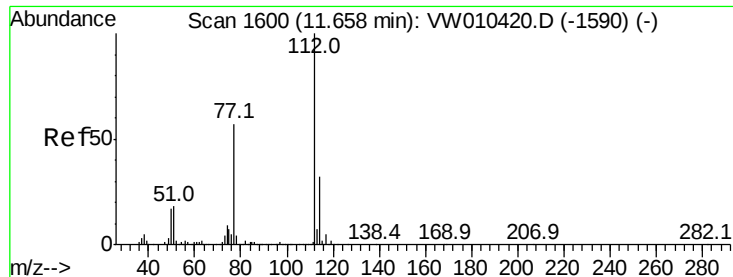
MMDadoda
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#64
Tetrachloroethene
Concen: 11.142 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.2	103.2	154.8
129	98.8	81.6	122.4
131	100.3	76.5	114.7





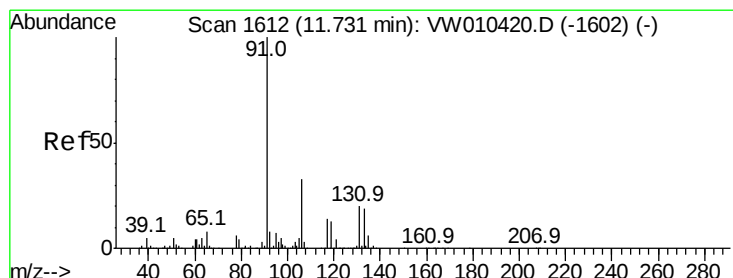
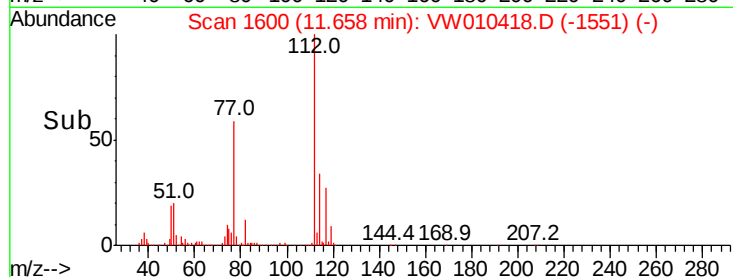
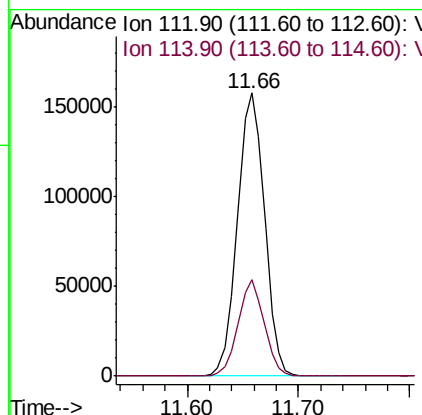
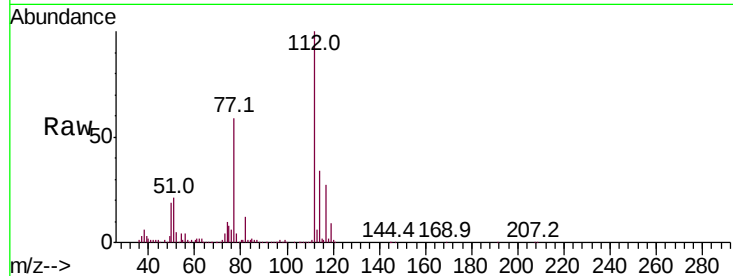
#65
Chlorobenzene
Concen: 11.525 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
112	100	265999		
114	34.3	25.8	38.6	

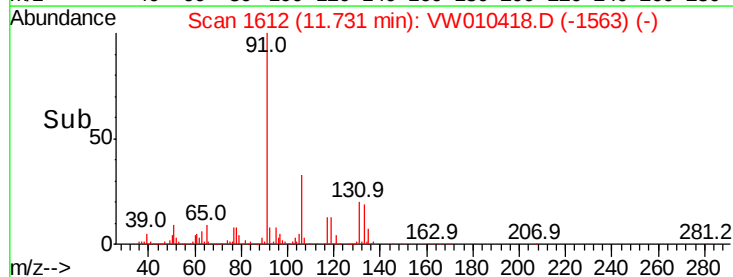
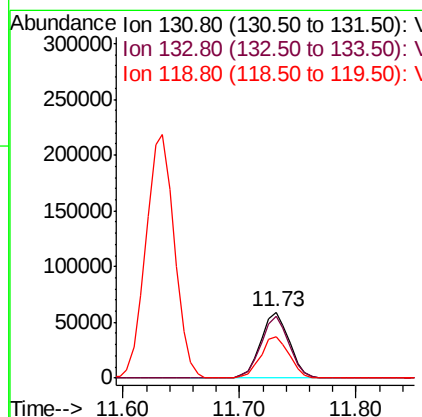
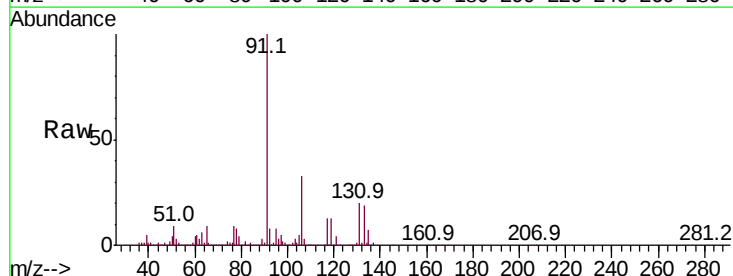
Manual Integrations
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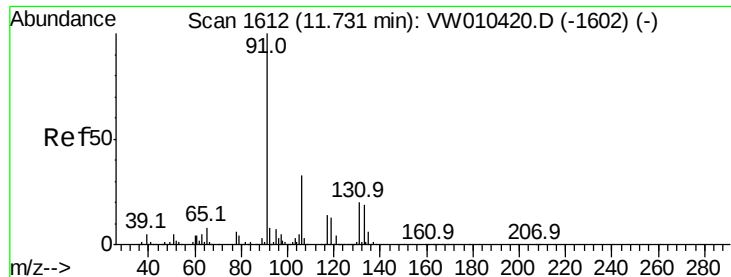
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 11.644 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	99517		
133	93.8	48.3	144.8	
119	64.3	32.4	97.0	





#67

Ethyl Benzene

Concen: 11.573 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 474355

Ion Ratio Lower Upper

91 100

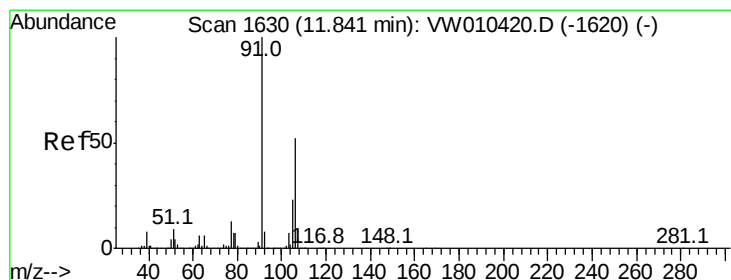
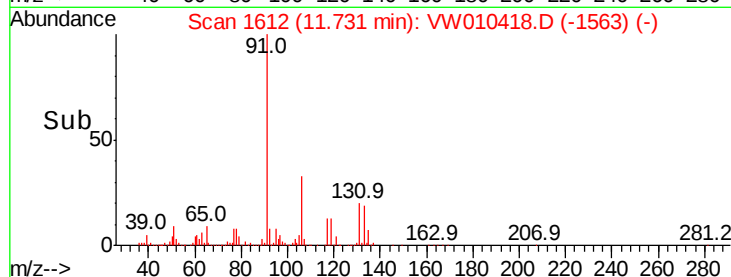
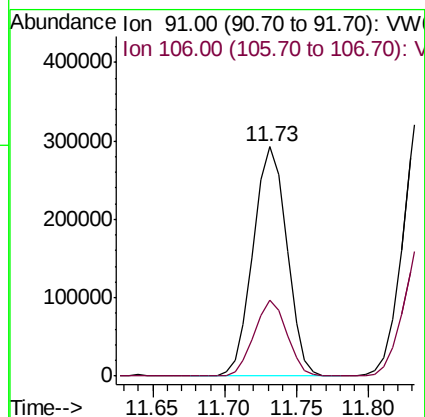
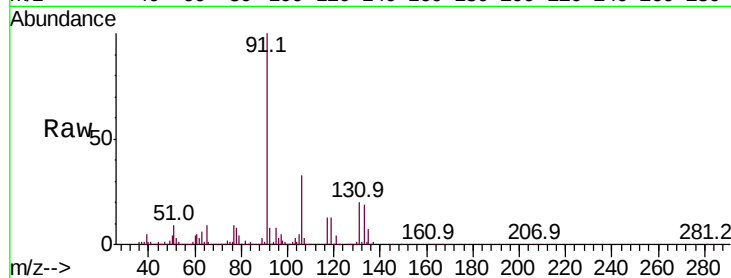
106 33.2 26.5 39.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 23.116 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010418.D

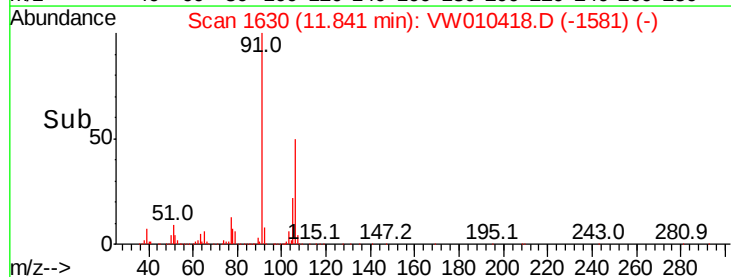
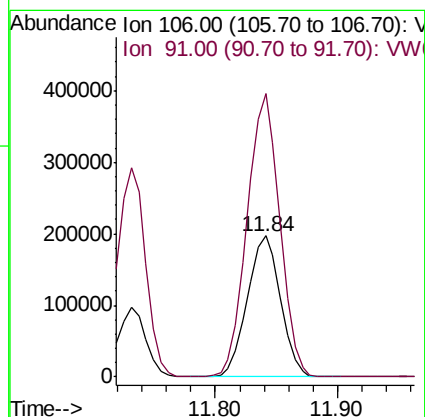
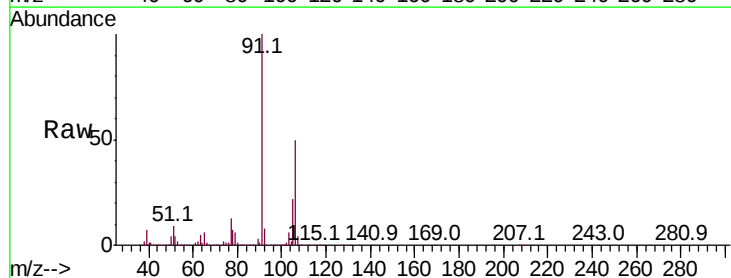
Acq: 17 May 2019 17:31

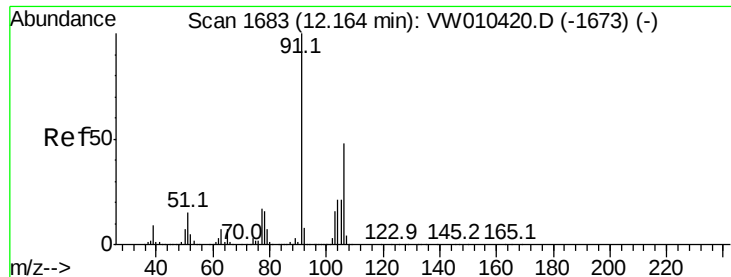
Tgt Ion:106 Resp: 370736

Ion Ratio Lower Upper

106 100

91 198.3 156.2 234.2





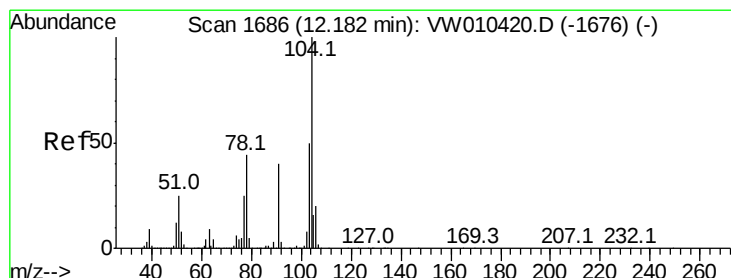
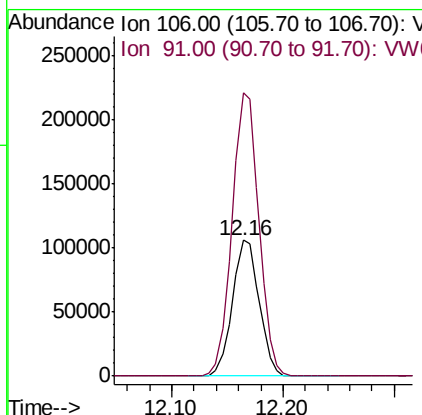
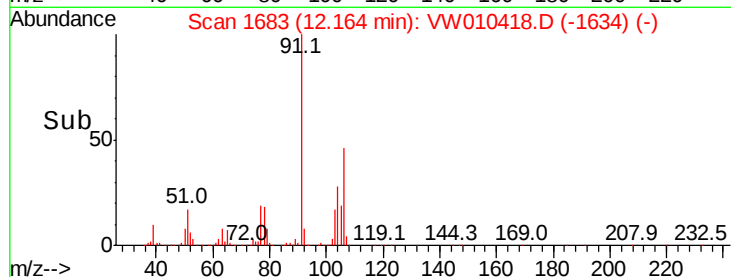
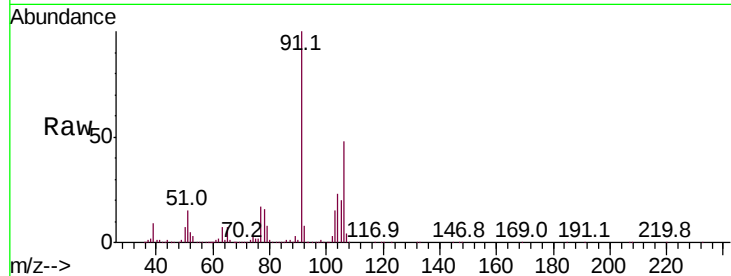
#69
o-Xylene
Concen: 11.355 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.6	102.5	307.5

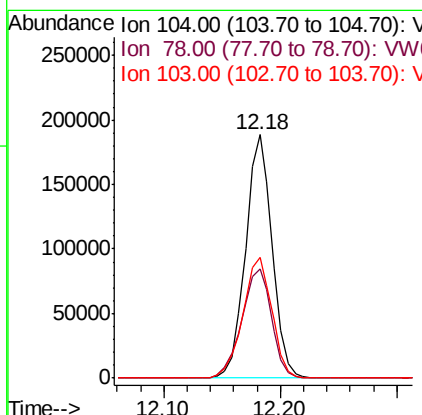
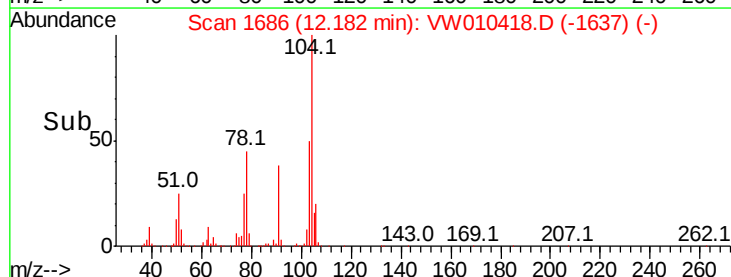
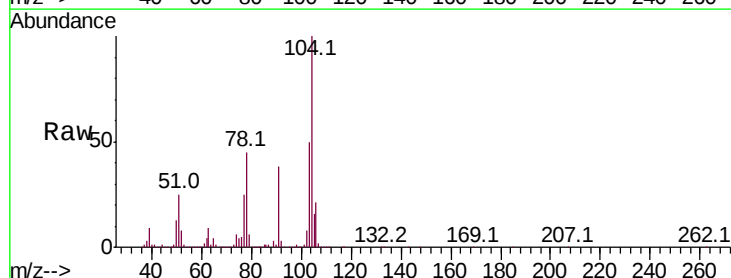
Manual Integrations
APPROVED

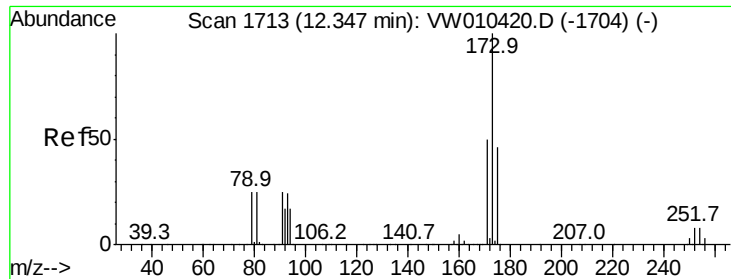
MMDadoda
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#70
Styrene
Concen: 11.122 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.6	39.4	59.0
103	54.5	43.4	65.0





#71

Bromoform

Concen: 10.879 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

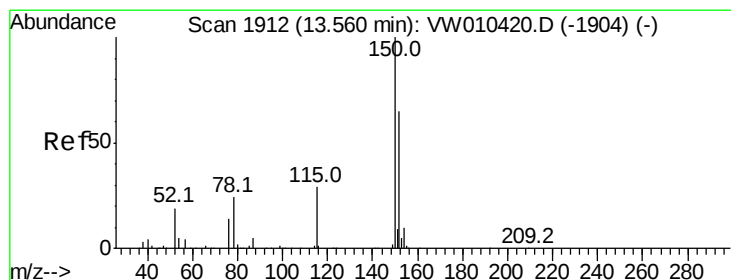
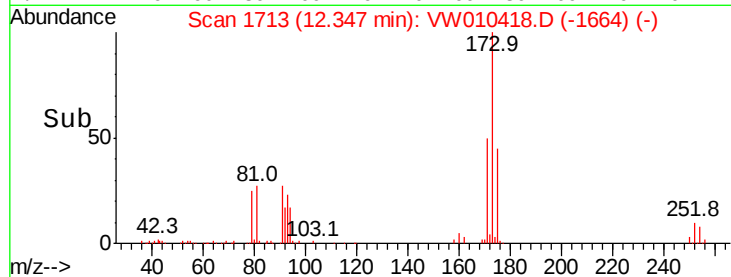
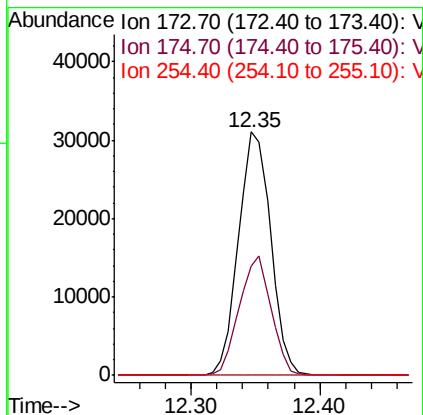
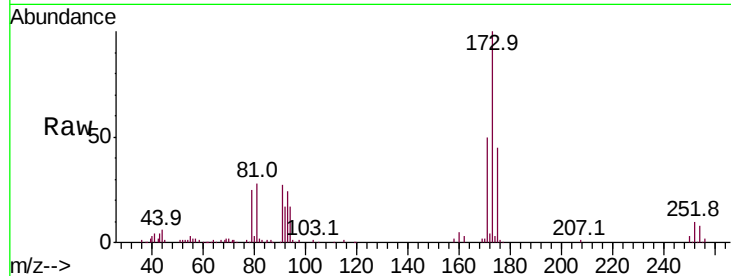
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.8	71.2
254	0.1	0.2	0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

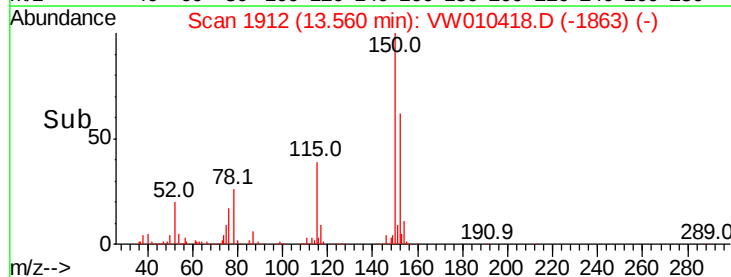
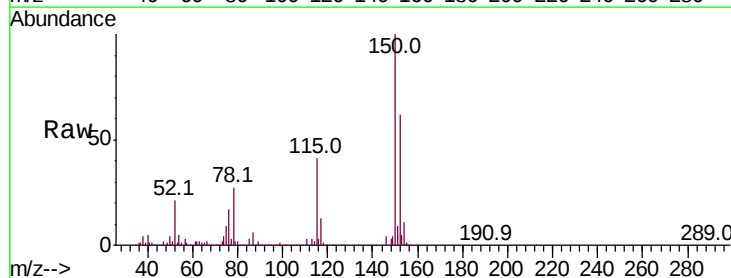
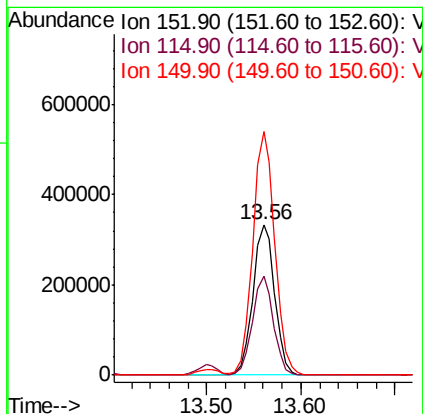
RT: 13.56 min Scan# 1912

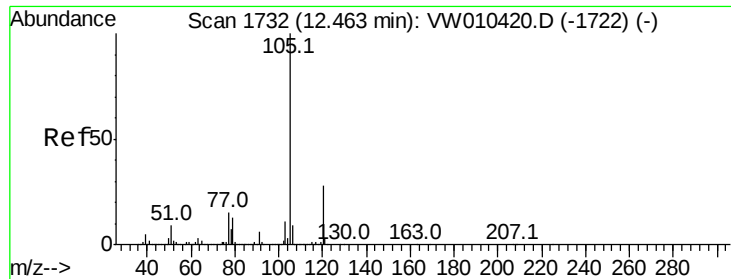
Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	30.0	90.1
150	163.4	0.0	350.2





#73

Isopropylbenzene

Concen: 11.993 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 473879

Ion Ratio Lower Upper

105 100

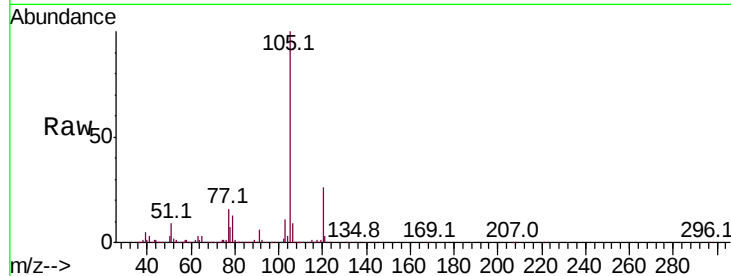
120 27.2 13.9 41.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

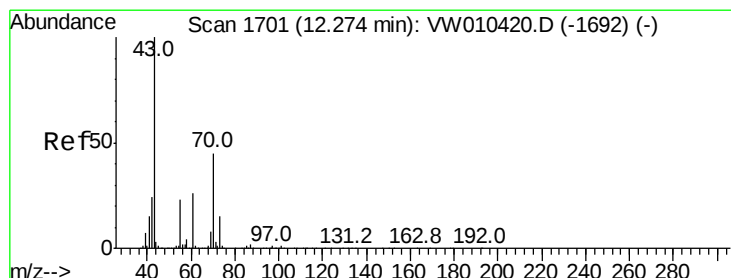
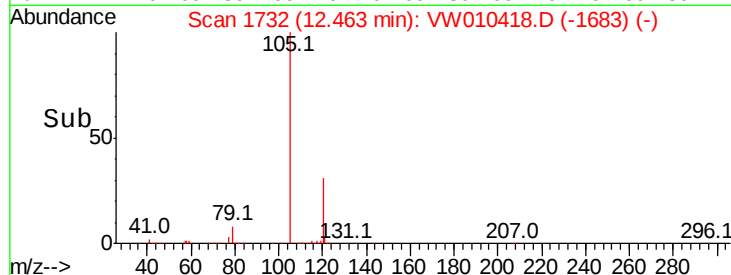
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 11.160 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion: 43 Resp: 122096

Ion Ratio Lower Upper

43 100

70 44.5 36.4 54.6

55 22.4 19.0 28.6

61 25.3 20.6 31.0

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

120000

100000

80000

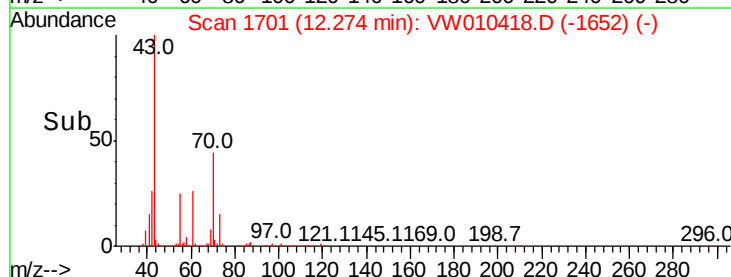
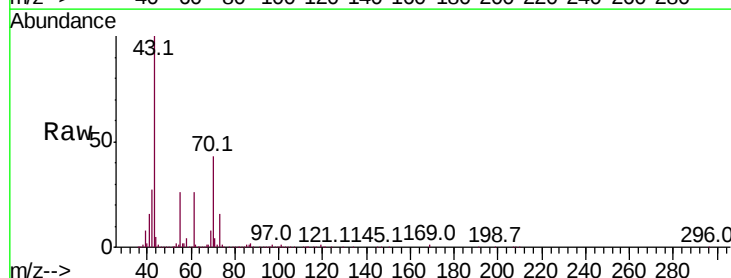
60000

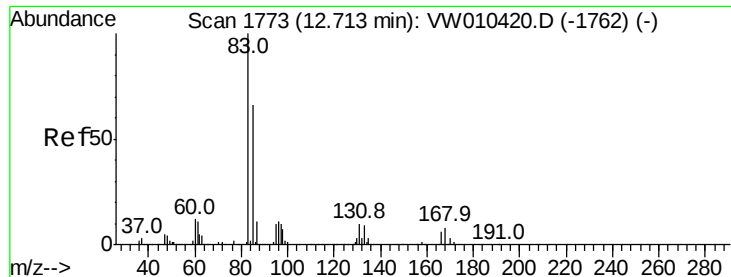
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 12.504 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

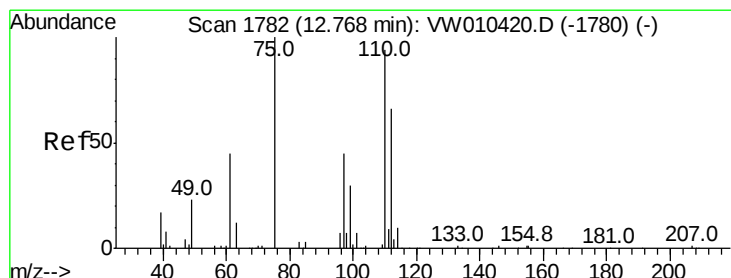
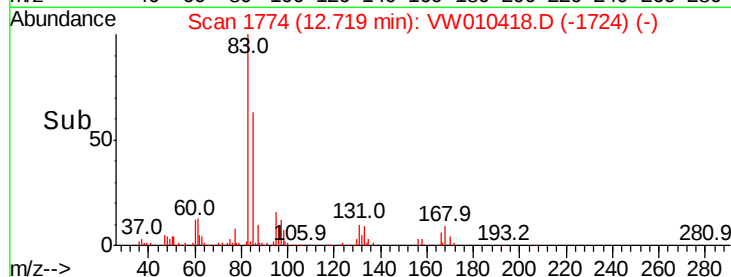
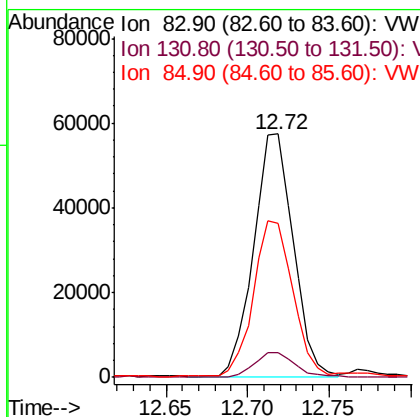
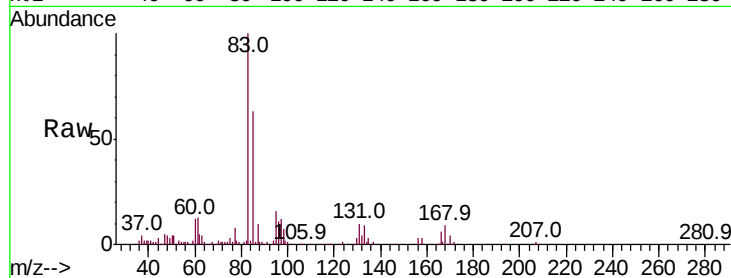
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	97099
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	64.0	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 11.523 ug/l m

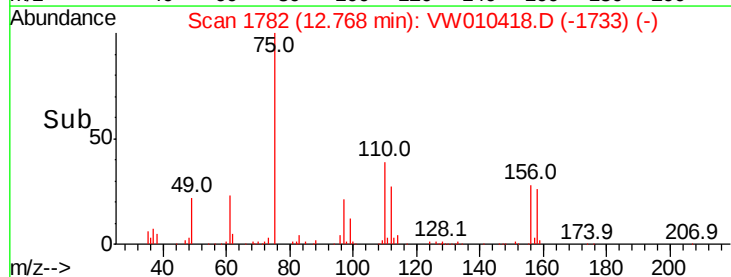
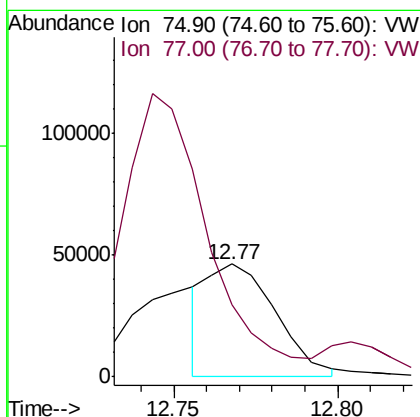
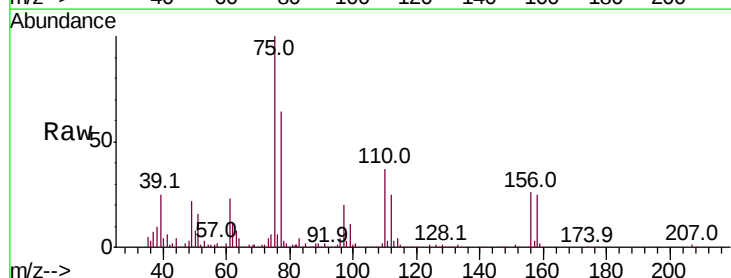
RT: 12.77 min Scan# 1782

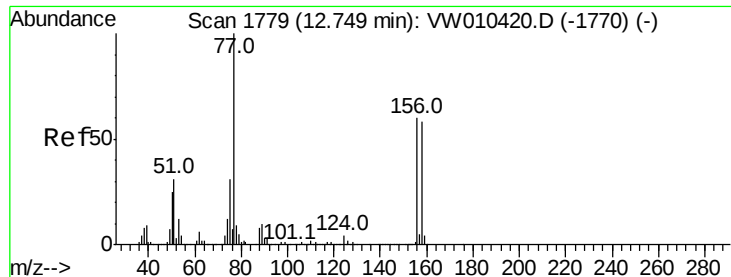
Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion:	75	Resp:	67912
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 11.512 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 104953

Ion Ratio Lower Upper

156 100

77 205.0 95.7 286.9

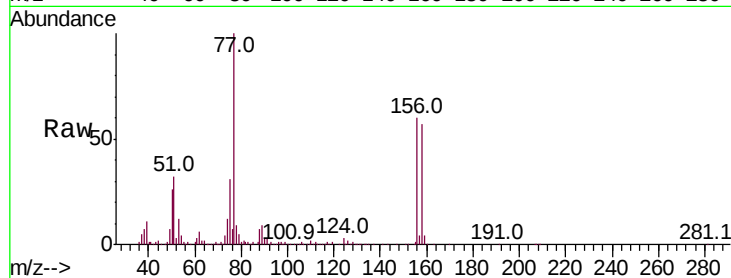
158 96.8 48.9 146.7

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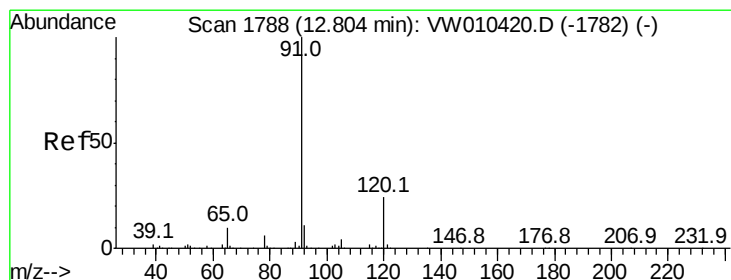
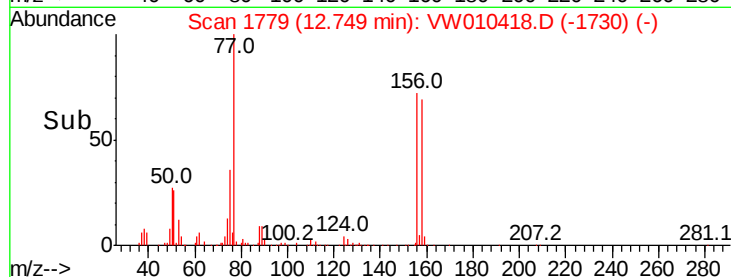
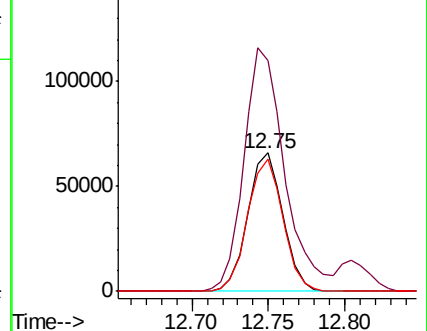
5/20/2019 12:15:57 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 12.041 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010418.D

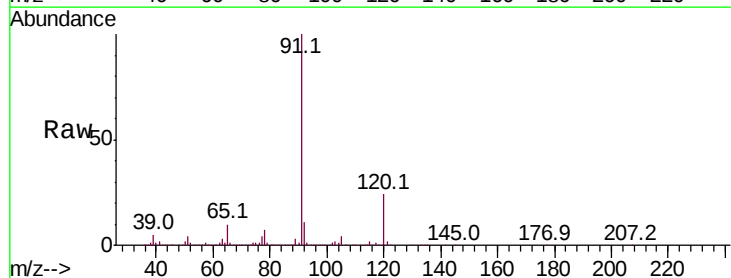
Acq: 17 May 2019 17:31

Tgt Ion: 91 Resp: 556371

Ion Ratio Lower Upper

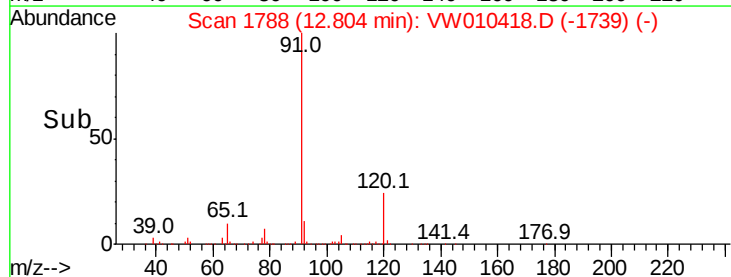
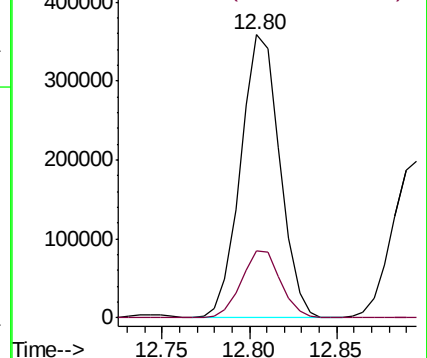
91 100

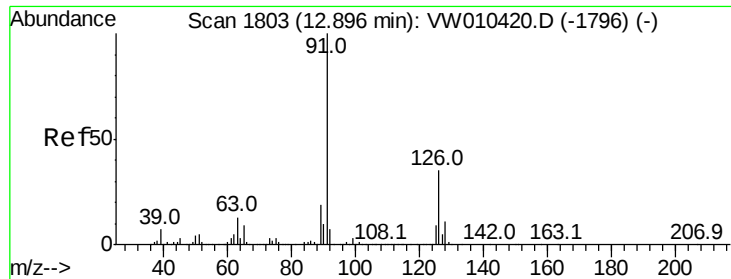
120 23.9 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 12.064 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 324136

Ion Ratio Lower Upper

91 100

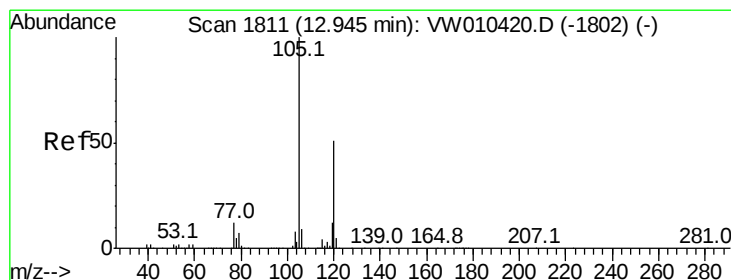
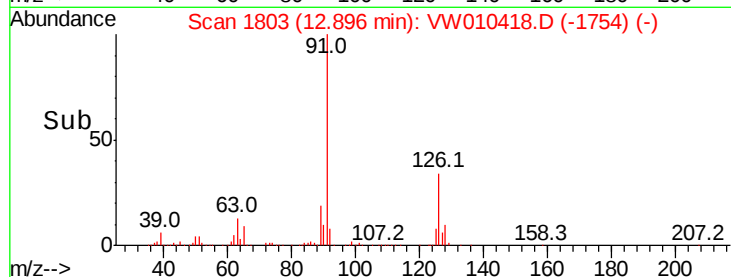
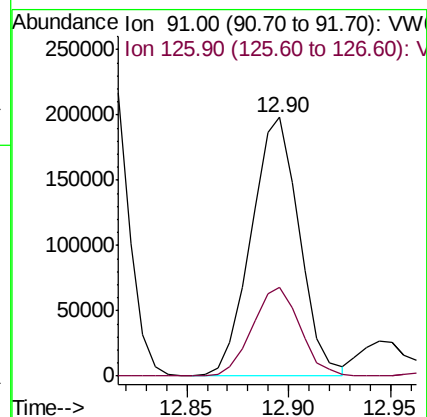
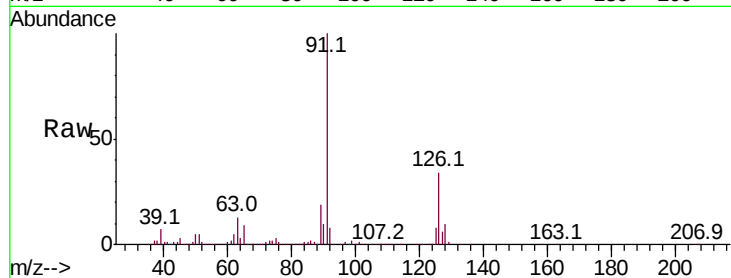
126 34.1 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 11.871 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010418.D

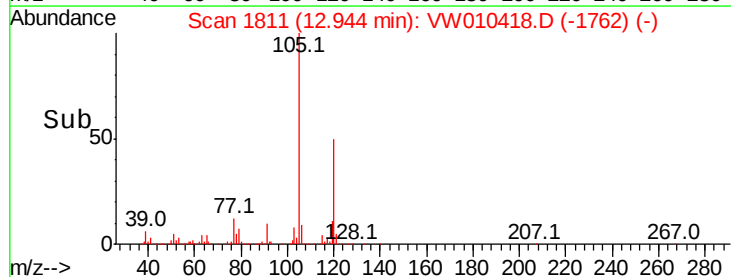
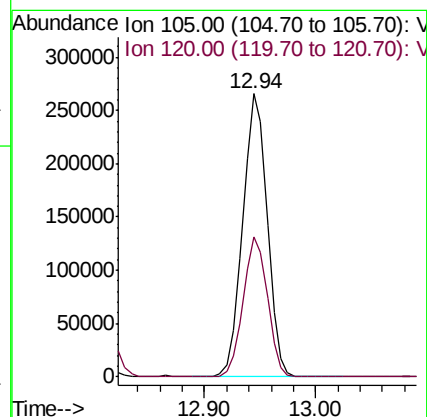
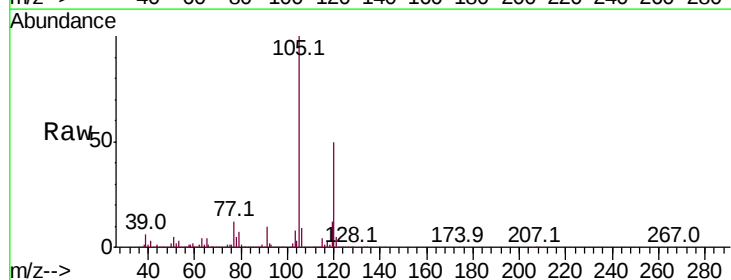
Acq: 17 May 2019 17:31

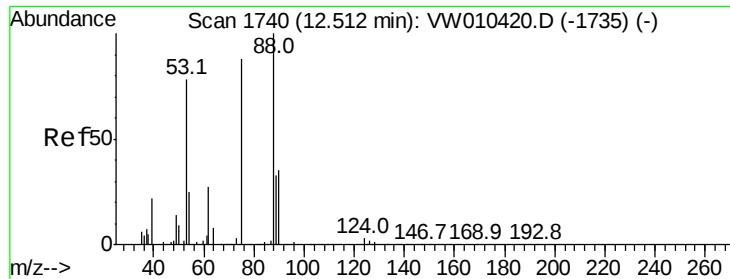
Tgt Ion:105 Resp: 404211

Ion Ratio Lower Upper

105 100

120 49.5 25.1 75.2





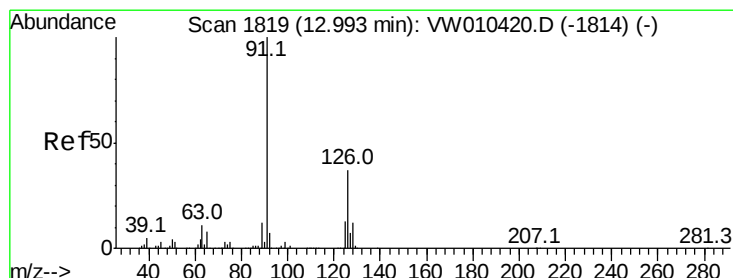
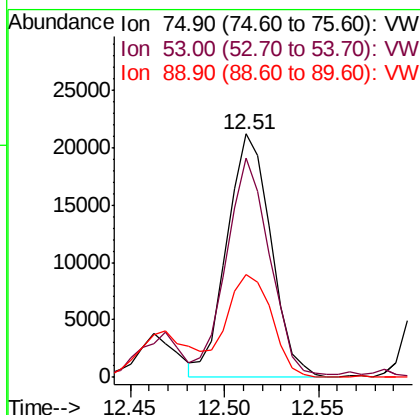
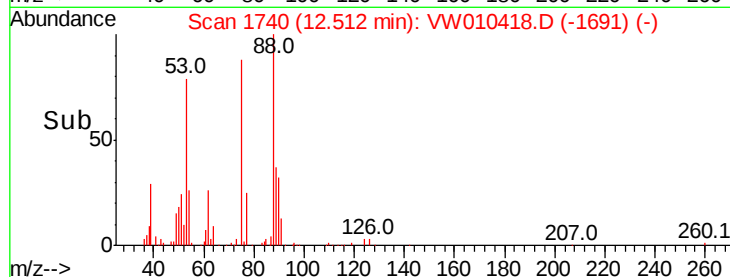
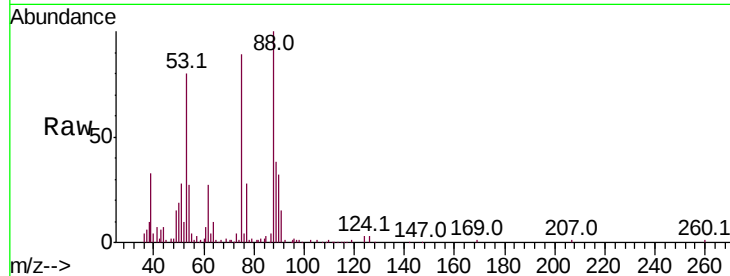
#81
trans-1,4-Dichloro-2-butene
Concen: 12.102 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.2	70.7	106.1
89	44.2	38.6	58.0

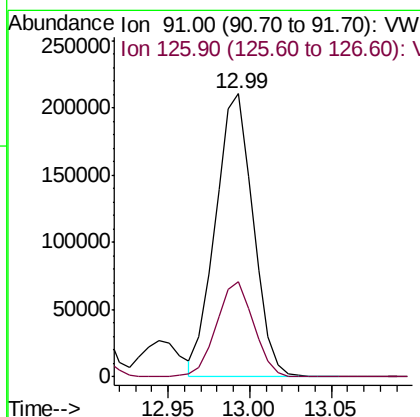
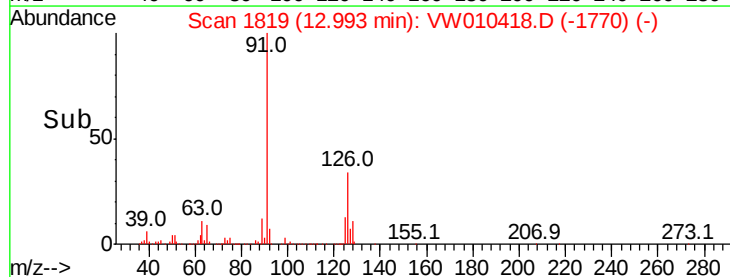
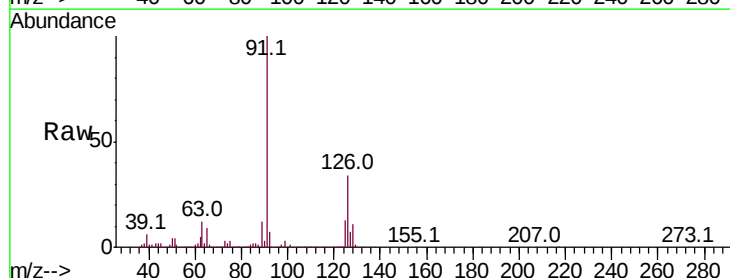
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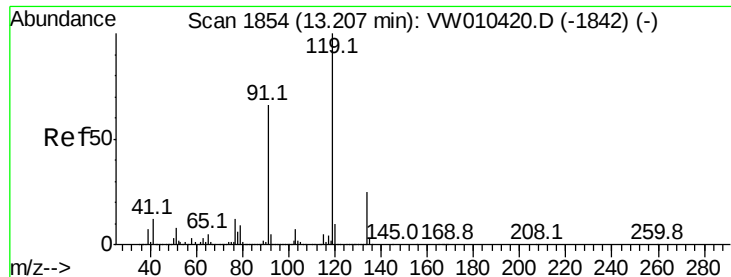
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#82
4-Chlorotoluene
Concen: 11.974 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.4	52.2





#83

tert-Butylbenzene

Concen: 11.783 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010418.D

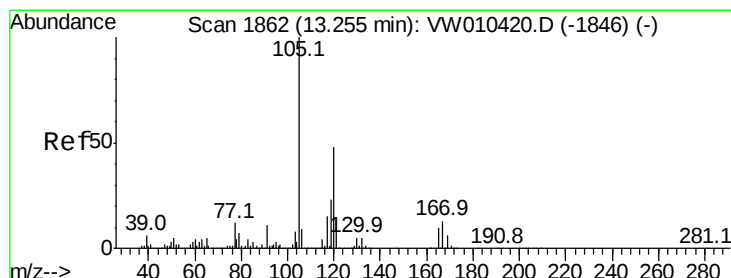
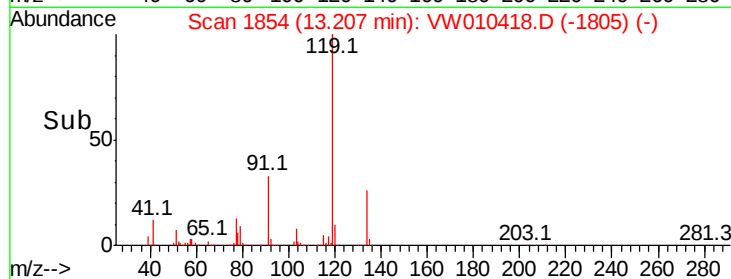
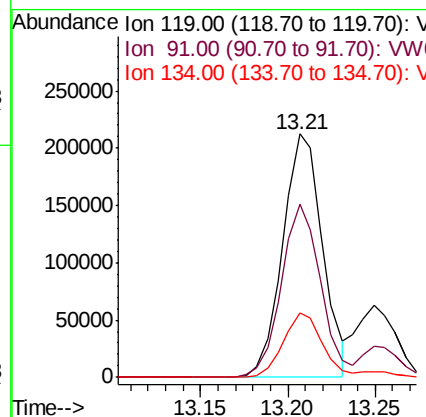
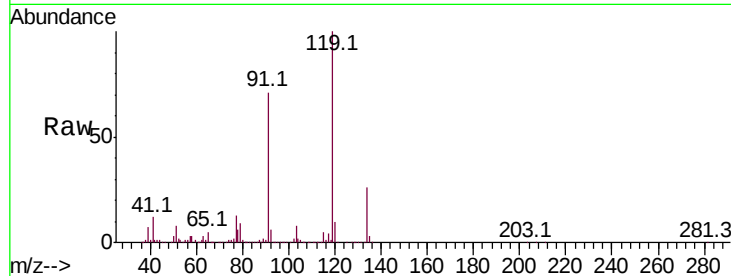
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.1	33.5	100.5
134	25.8	13.8	41.4

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#84

1,2,4-Trimethylbenzene

Concen: 11.788 ug/l

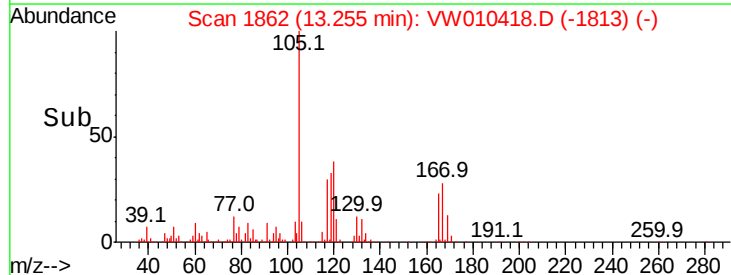
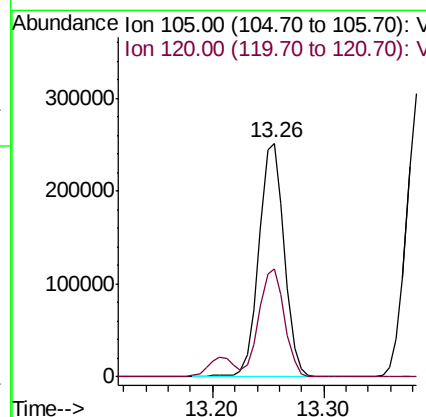
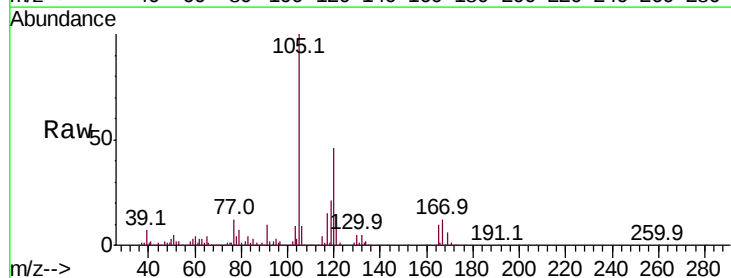
RT: 13.26 min Scan# 1862

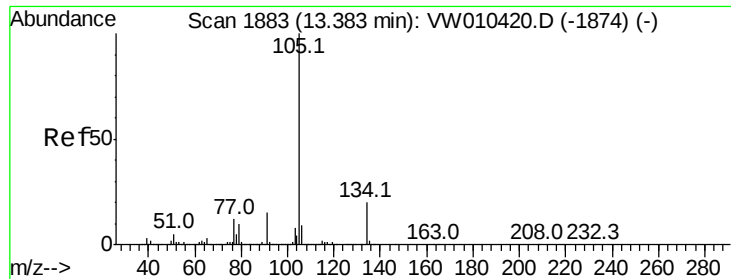
Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.0





#85

sec-Butylbenzene

Concen: 11.876 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 482259

Ion Ratio Lower Upper

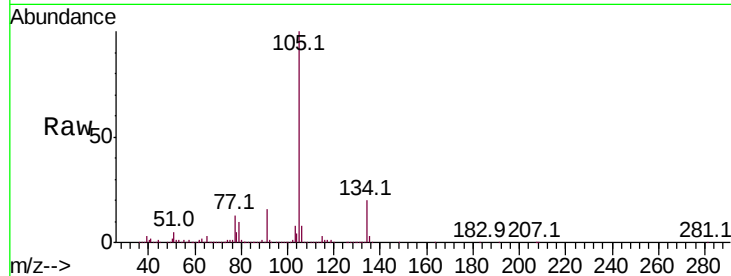
105 100

134 20.9 10.4 31.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

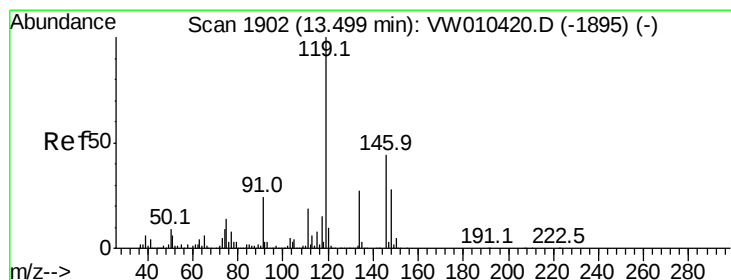
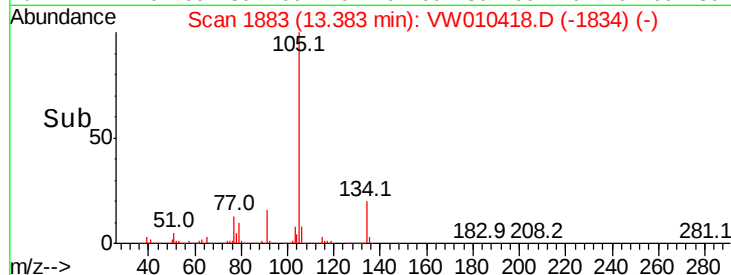
300000

200000

100000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 11.856 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

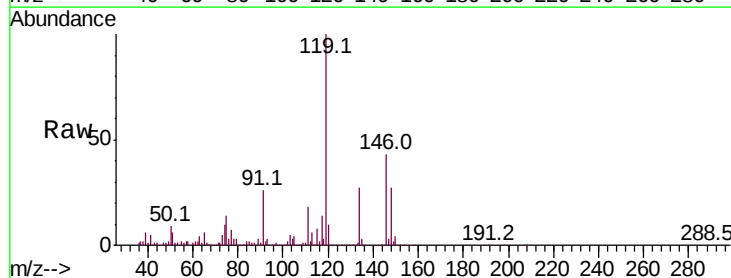
Tgt Ion:119 Resp: 438038

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

91 25.6 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

400000

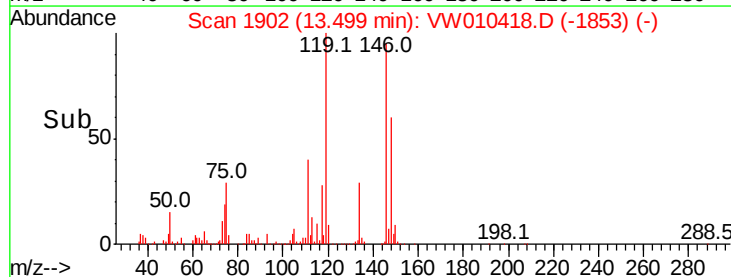
300000

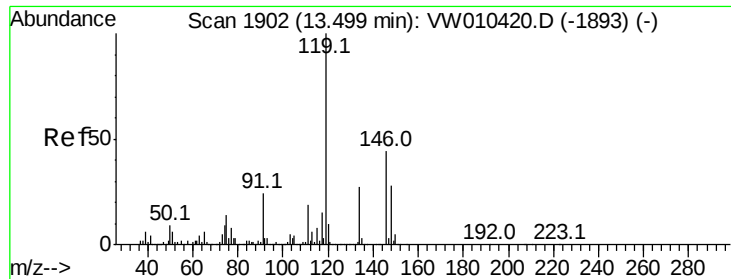
200000

100000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 11.728 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010418.D

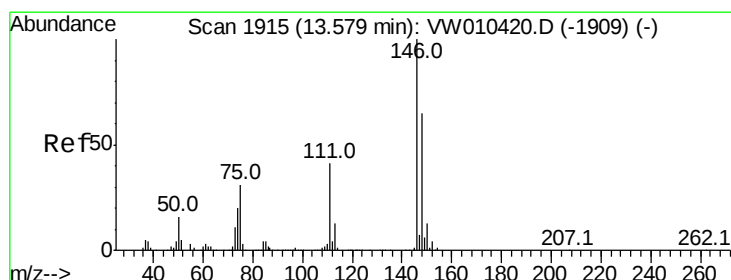
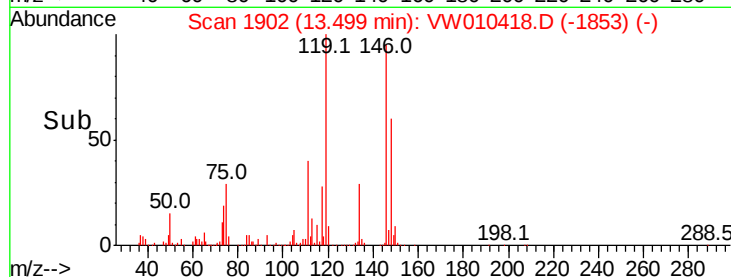
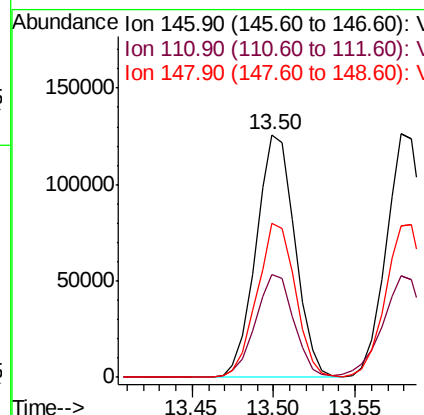
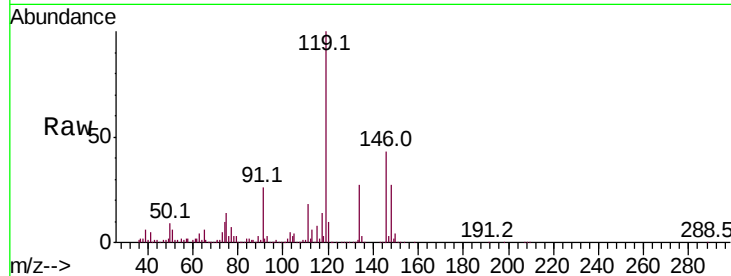
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
146	100	207936		
111	42.0	20.8	62.4	
148	62.7	31.8	95.4	

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#88

1,4-Dichlorobenzene

Concen: 11.685 ug/l

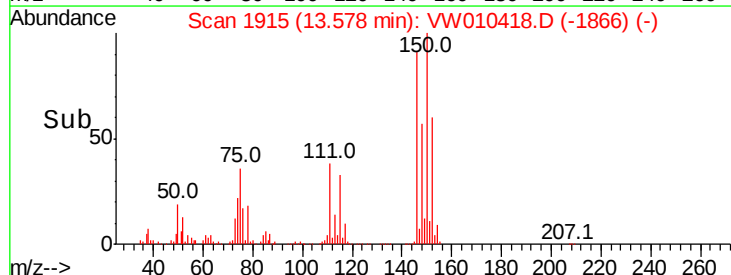
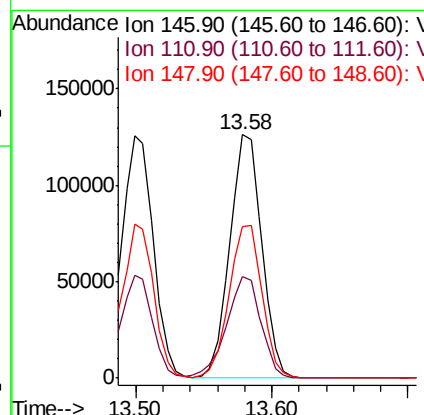
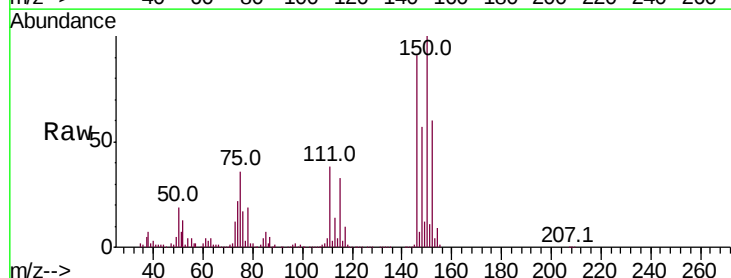
RT: 13.58 min Scan# 1915

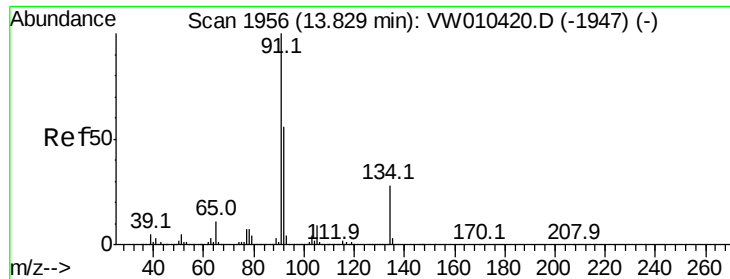
Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	206758		
111	44.7	20.4	61.3	
148	64.5	32.3	96.9	





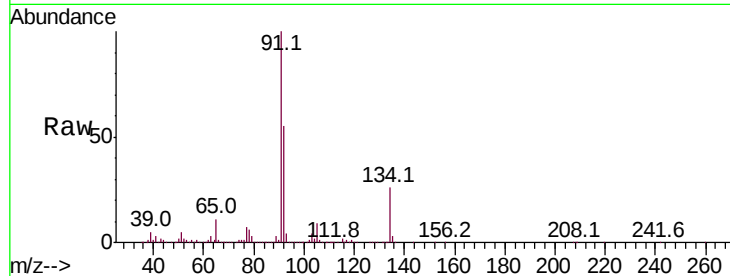
#89
n-Butylbenzene
Concen: 11.745 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

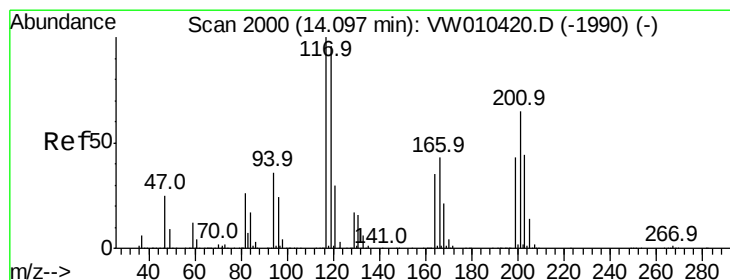
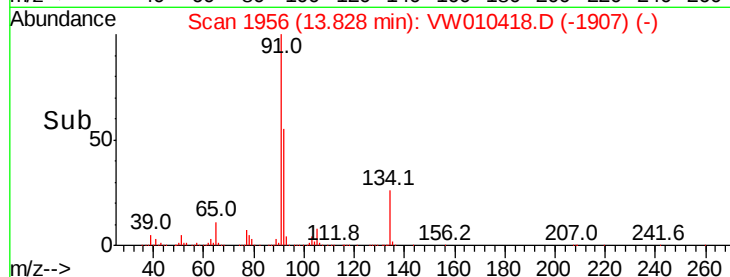
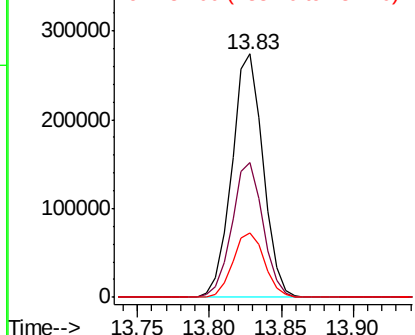
Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.4	27.7	83.0	
134	27.0	13.8	41.3	

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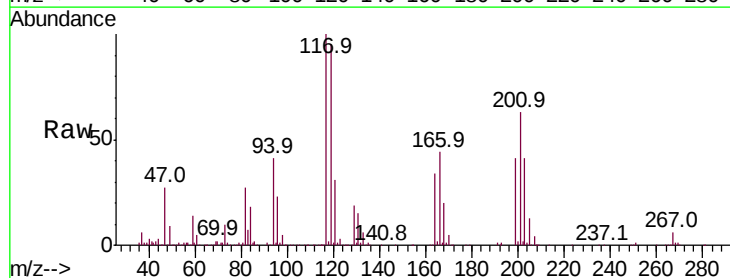


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V

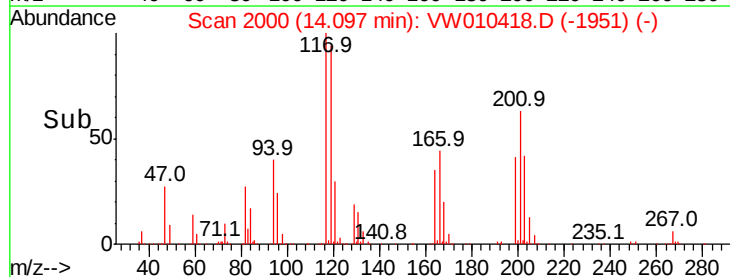
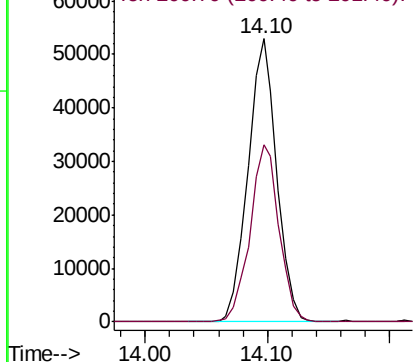


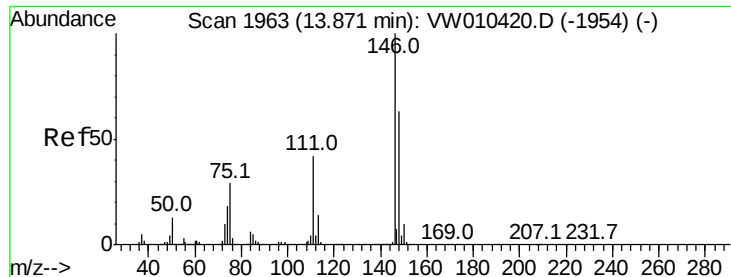
#90
Hexachloroethane
Concen: 11.832 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	63.3	33.8	101.4	



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 11.516 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Instrument :

MSVOA_W

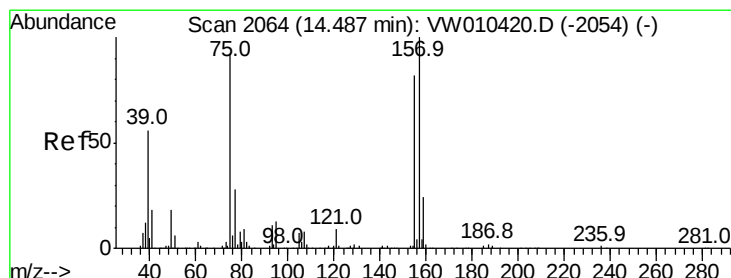
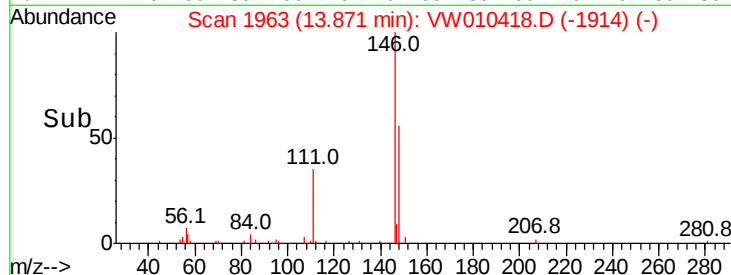
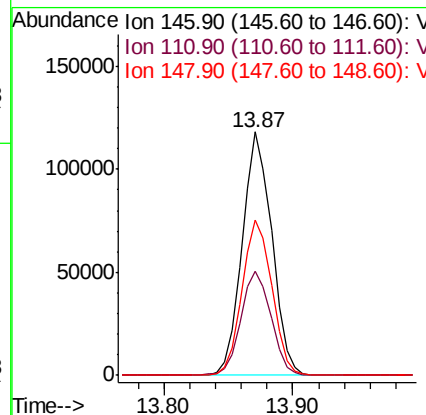
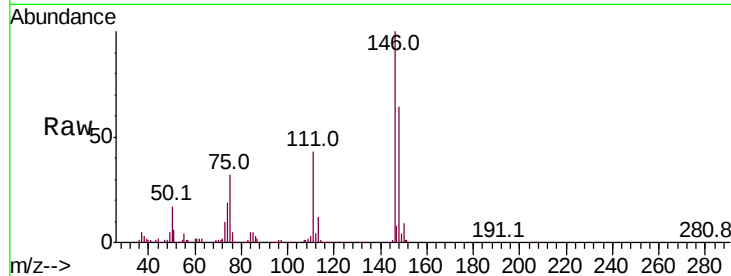
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	187418
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.3	63.7
148	64.4	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 12.473 ug/l

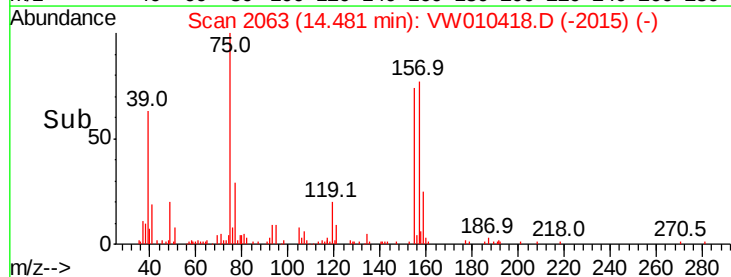
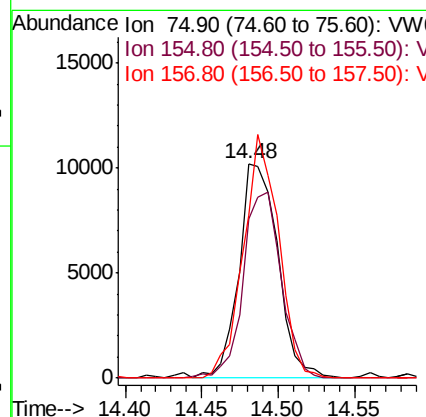
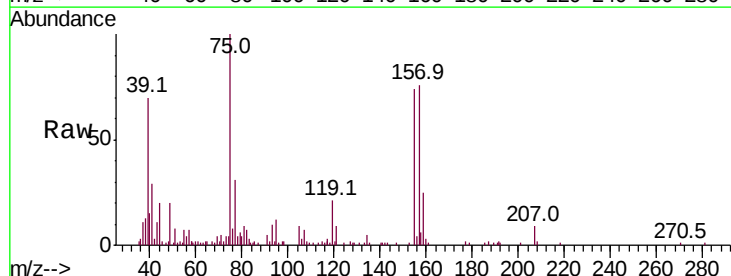
RT: 14.48 min Scan# 2063

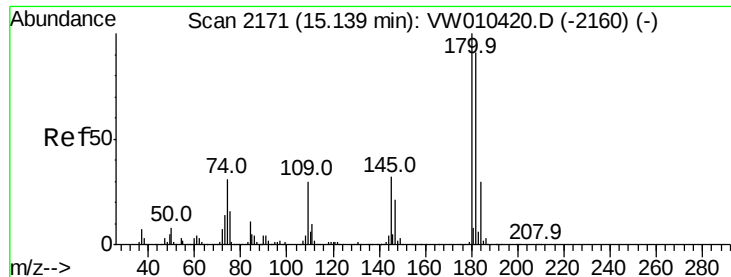
Delta R.T. -0.01 min

Lab File: VW010418.D

Acq: 17 May 2019 17:31

Tgt Ion:	75	Resp:	18007
Ion Ratio	Lower	Upper	
75	100		
155	85.0	43.5	130.7
157	102.9	54.8	164.4





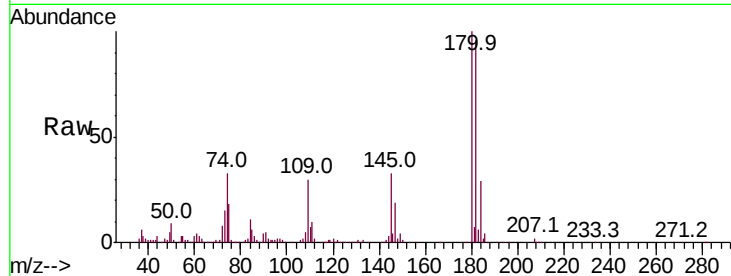
#93
 1,2,4-Trichlorobenzene
 Concen: 11.327 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

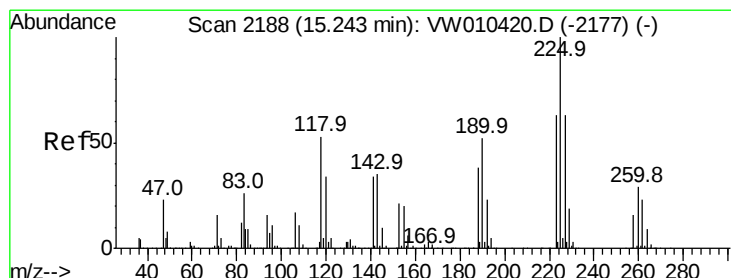
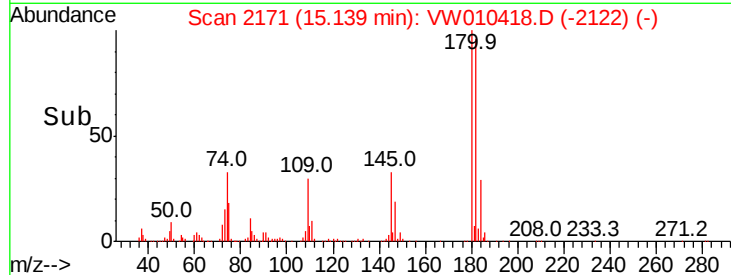
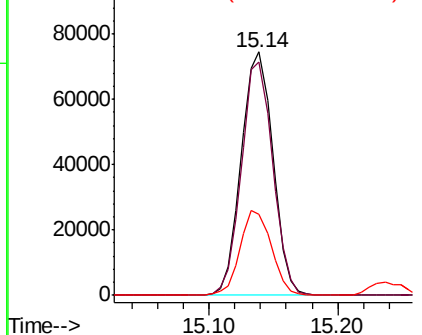
Tot Ion:	180	Resp:	126726
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.0	141.2
145	34.8	16.6	49.7

Manual Integrations
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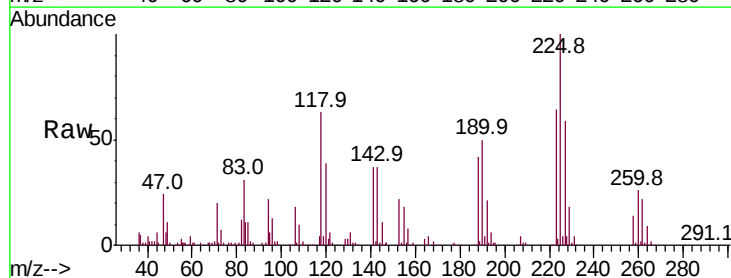


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

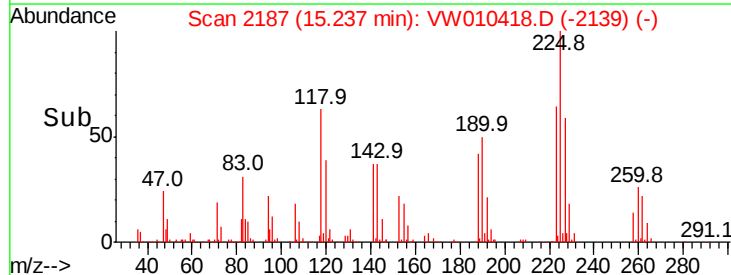
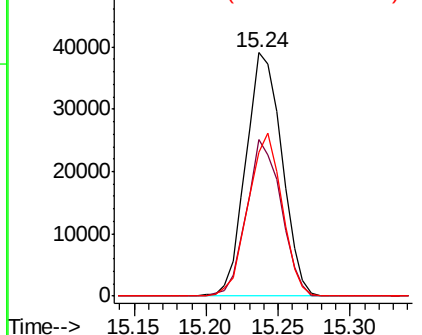


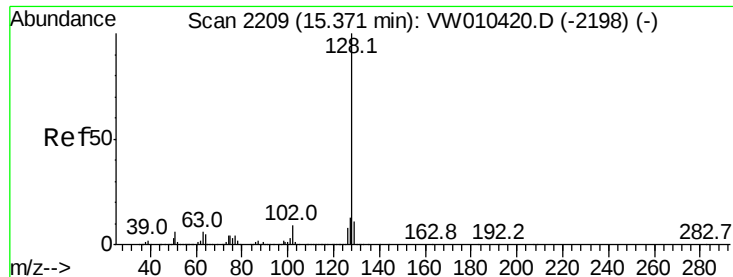
#94
 Hexachlorobutadiene
 Concen: 11.836 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010418.D
 Acq: 17 May 2019 17:31

Tgt Ion:	225	Resp:	67644
Ion Ratio	Lower	Upper	
225	100		
223	61.7	32.0	96.2
227	63.2	31.4	94.0



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





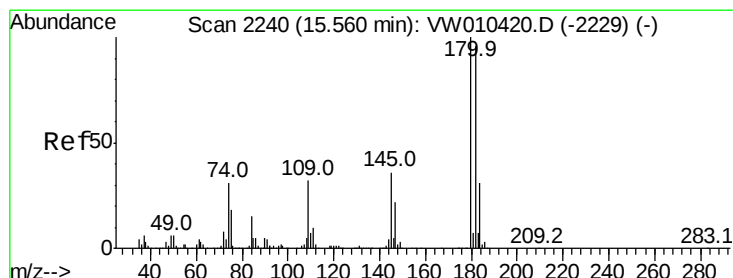
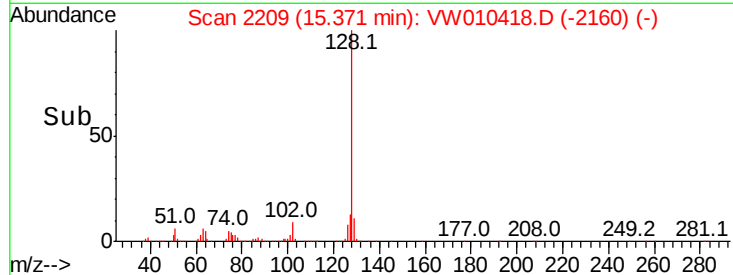
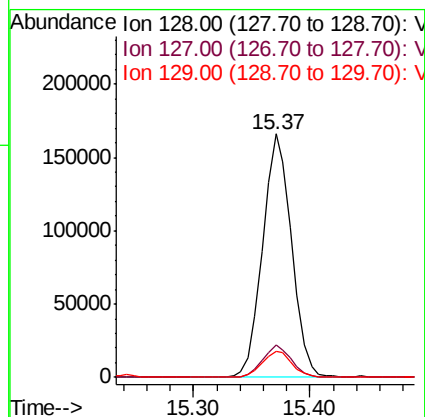
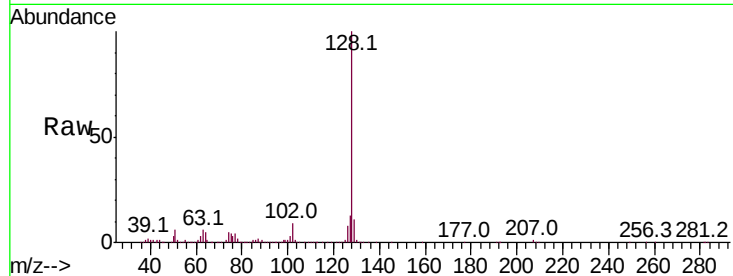
#95
Naphthalene
Concen: 11.515 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		286822		
127	13.4		10.5	15.7	
129	11.1		8.6	13.0	

Manual Integrations
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5/20/2019 12:15:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 11.134 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010418.D
Acq: 17 May 2019 17:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		110620		
182	92.5		47.6	142.9	
145	36.0		17.8	53.5	

