

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010417.D
 Acq On : 17 May 2019 17:05
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:15:53 PM

Quant Time: May 17 23:39:17 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	811155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1432332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1248761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	569408	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	40492	4.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.70%	
35) Dibromofluoromethane	7.88	113	41965	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	
50) Toluene-d8	10.32	98	144151	4.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.92%	
62) 4-Bromofluorobenzene	12.62	95	63982	5.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	51217	10.022	ug/l	92
3) Chloromethane	2.20	50	60347	8.601	ug/l	96
4) Vinyl Chloride	2.35	62	59990	6.800	ug/l	98
5) Bromomethane	2.76	94	32744	5.814	ug/l	95
6) Chloroethane	2.91	64	34493	6.543	ug/l	97
7) Trichlorofluoromethane	3.25	101	78598	12.899	ug/l	98
8) Diethyl Ether	3.68	74	25867	6.079	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	48340	6.410	ug/l	96
10) Methyl Iodide	4.26	142	51291	4.408	ug/l	99
11) Tert butyl alcohol	5.17	59	20321	29.656	ug/l #	72
12) 1,1-Dichloroethene	4.03	96	44400	5.637	ug/l	88
13) Acrolein	3.90	56	18468	42.583	ug/l	93
14) Allyl chloride	4.67	41	68504	6.707	ug/l	98
15) Acrylonitrile	5.38	53	51033	27.203	ug/l	98
16) Acetone	4.12	43	44851	29.985	ug/l	95
17) Carbon Disulfide	4.37	76	131970	6.159	ug/l	97
18) Methyl Acetate	4.67	43	25616	5.362	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	118012	9.159	ug/l	95
20) Methylene Chloride	4.92	84	61084	6.987	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	51441	5.860	ug/l	94
22) Diisopropyl ether	6.31	45	136323	5.598	ug/l	94
23) Vinyl Acetate	6.26	43	412892	24.908	ug/l	99
24) 1,1-Dichloroethane	6.21	63	81728	5.504	ug/l	94
25) 2-Butanone	7.18	43	62935	22.459	ug/l	100
26) 2,2-Dichloropropane	7.16	77	79151	9.364	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	56806	5.608	ug/l	97
28) Bromochloromethane	7.51	49	22342	3.627	ug/l	93
29) Tetrahydrofuran	7.54	42	44850	23.893	ug/l	98
30) Chloroform	7.68	83	86091	5.518	ug/l	96
31) Cyclohexane	7.95	56	96091	6.654	ug/l #	78
32) 1,1,1-Trichloroethane	7.87	97	83415	6.631	ug/l	100
36) 1,1-Dichloropropene	8.08	75	69023	5.600	ug/l	98
37) Ethyl Acetate	7.26	43	28449	4.603	ug/l #	95
38) Carbon Tetrachloride	8.07	117	74172	5.868	ug/l	99

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 ClientSampleId :
 VSTDIC005

Manual Integrations
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 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)
39) Methylcyclohexane	9.34	83	94904	5.813	ug/l	96
40) Benzene	8.32	78	190169	5.304	ug/l	99
41) Methacrylonitrile	7.49	41	16572	4.414	ug/l #	80
42) 1,2-Dichloroethane	8.40	62	54677	5.230	ug/l	97
43) Isopropyl Acetate	8.43	43	60443	4.747	ug/l	98
44) Trichloroethene	9.09	130	53981	5.272	ug/l	97
45) 1,2-Dichloropropane	9.37	63	44868	5.044	ug/l	91
46) Dibromomethane	9.46	93	26209	5.060	ug/l	95
47) Bromodichloromethane	9.64	83	65687	5.172	ug/l	95
48) Methyl methacrylate	9.44	41	28051	4.793	ug/l	95
49) 1,4-Dioxane	9.46	88	7543	83.330	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	154273	23.406	ug/l	99
52) Toluene	10.39	92	125074	5.235	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	68001	5.083	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	77326	5.112	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	38791	5.180	ug/l	97
56) Ethyl methacrylate	10.65	69	51869	4.878	ug/l	97
57) 1,3-Dichloropropane	10.93	76	63681	5.084	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.92	63	111053	23.827	ug/l	98
59) 2-Hexanone	10.97	43	107106	23.038	ug/l	99
60) Dibromochloromethane	11.13	129	44885	4.798	ug/l	100
61) 1,2-Dibromoethane	11.23	107	38037	5.033	ug/l	100
64) Tetrachloroethene	10.86	164	42734	5.177	ug/l	95
65) Chlorobenzene	11.66	112	132556	5.350	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	48391	5.274	ug/l	98
67) Ethyl Benzene	11.73	91	242189	5.504	ug/l	96
68) m/p-Xylenes	11.84	106	188482	10.947	ug/l	100
69) o-Xylene	12.16	106	87678	5.283	ug/l	98
70) Styrene	12.18	104	149831	5.194	ug/l	99
71) Bromoform	12.35	173	25300	4.755	ug/l #	97
73) Isopropylbenzene	12.46	105	240812	5.797	ug/l	100
74) N-amyl acetate	12.27	43	53567	4.657	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44626	5.466	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	31799m	5.132	ug/l	
77) Bromobenzene	12.75	156	50252	5.243	ug/l	92
78) n-propylbenzene	12.80	91	278607	5.735	ug/l	99
79) 2-Chlorotoluene	12.89	91	162176	5.741	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	202980	5.670	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	15349	5.150	ug/l	97
82) 4-Chlorotoluene	12.99	91	166971	5.634	ug/l	99
83) tert-Butylbenzene	13.21	119	173684	5.754	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	197824	5.541	ug/l	100
85) sec-Butylbenzene	13.38	105	244817	5.735	ug/l	99
86) p-Isopropyltoluene	13.50	119	216944	5.585	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	98361	5.277	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	100140	5.383	ug/l	95
89) n-Butylbenzene	13.83	91	210436	5.676	ug/l	98
90) Hexachloroethane	14.10	117	43098	5.604	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	88294	5.160	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9365	6.170	ug/l	87

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MSVOA_W
ClientSampleId :
VSTDICC005

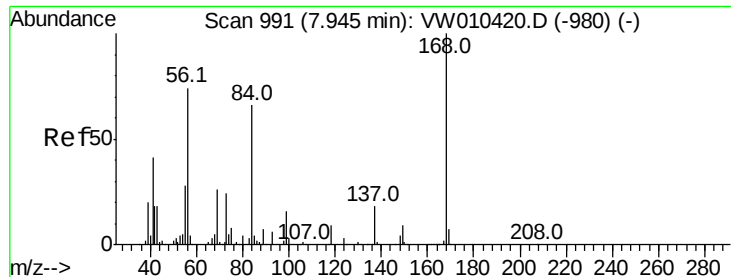
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri May 17 23:21:20 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	56700	4.821	ug/l	97
94) Hexachlorobutadiene	15.24	225	32479	5.406	ug/l	99
95) Naphthalene	15.37	128	130898	4.999	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	50581	4.843	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 811155

Ion Ratio Lower Upper

168 100

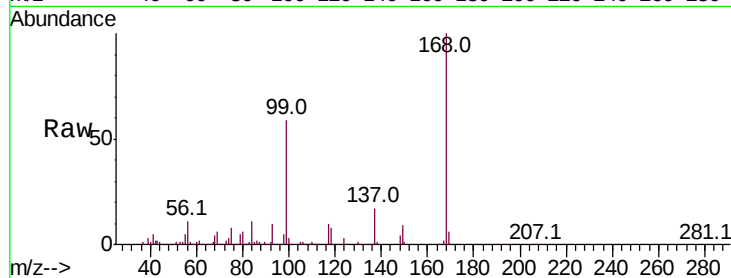
99 59.3 50.8 76.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

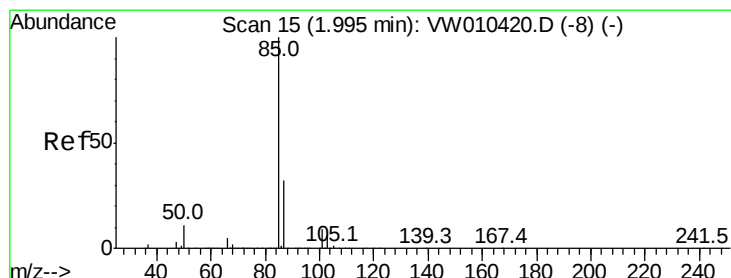
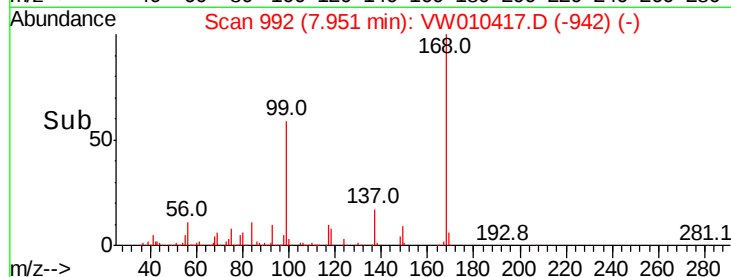
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 10.022 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010417.D

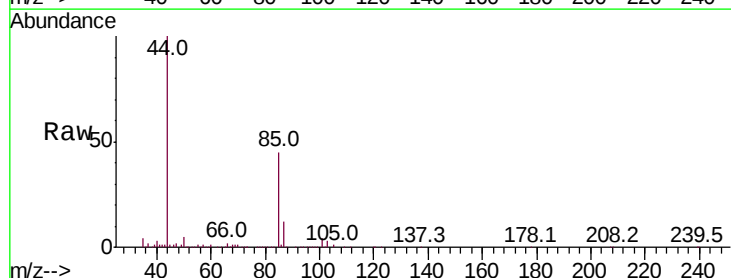
Acq: 17 May 2019 17:05

Tgt Ion: 85 Resp: 51217

Ion Ratio Lower Upper

85 100

87 27.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

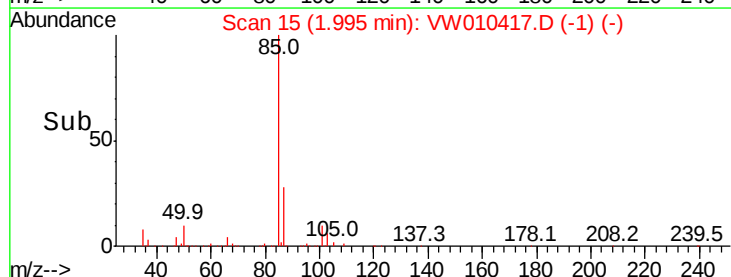
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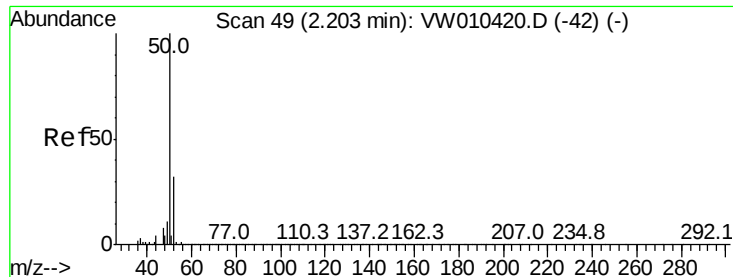
20000

10000

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Time-->





#3

Chloromethane

Concen: 8.601 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 60347

Ion Ratio Lower Upper

50 100

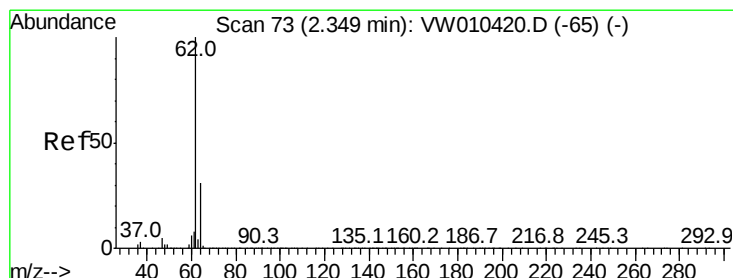
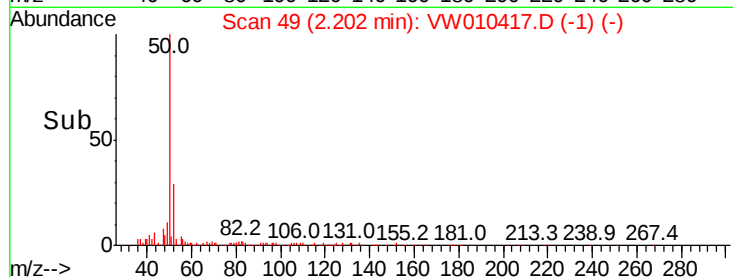
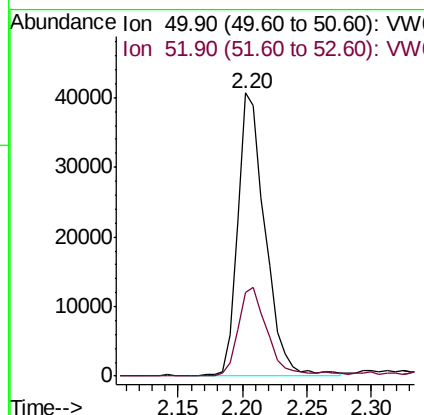
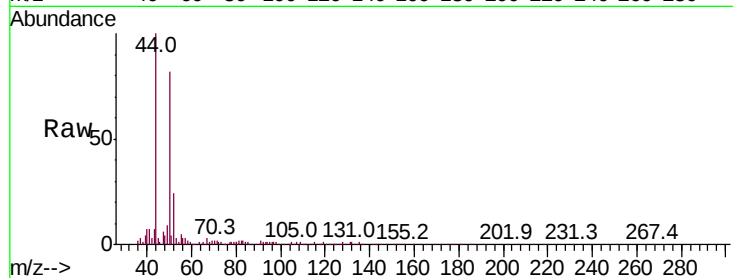
52 29.2 25.4 38.0

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#4

Vinyl Chloride

Concen: 6.800 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VW010417.D

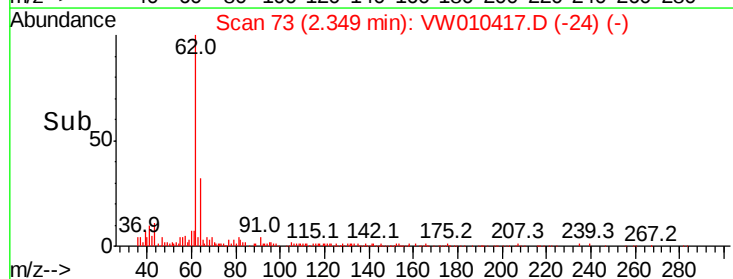
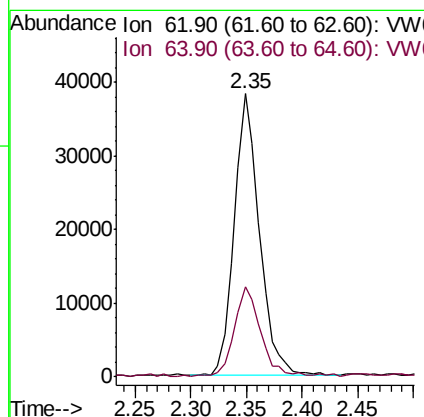
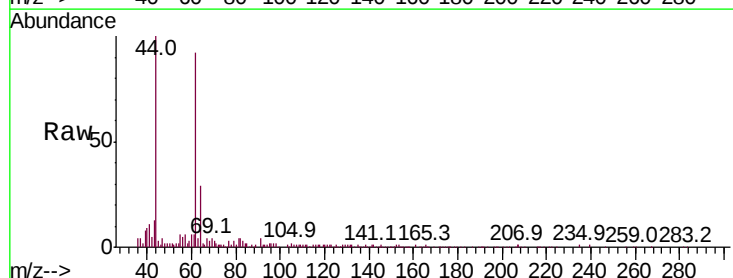
Acq: 17 May 2019 17:05

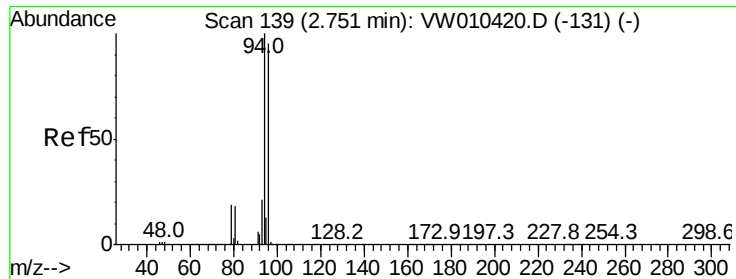
Tgt Ion: 62 Resp: 59990

Ion Ratio Lower Upper

62 100

64 31.5 24.4 36.6





#5

Bromomethane

Concen: 5.814 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.01 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 32744

Ion Ratio Lower Upper

94 100

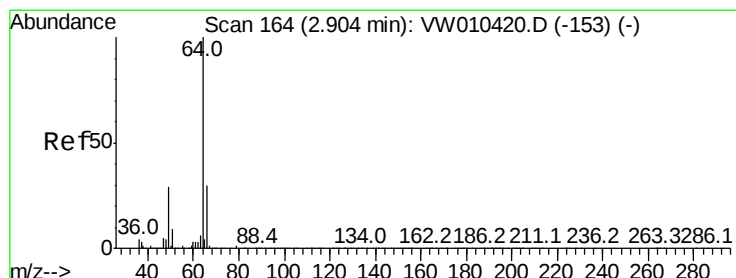
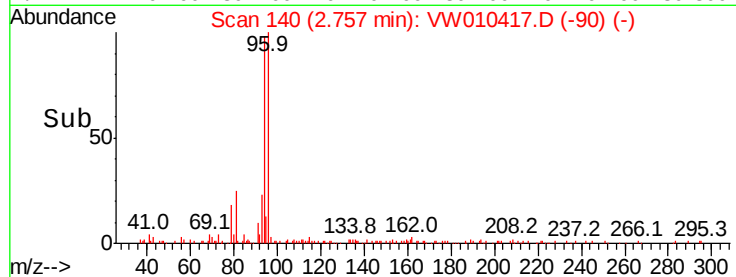
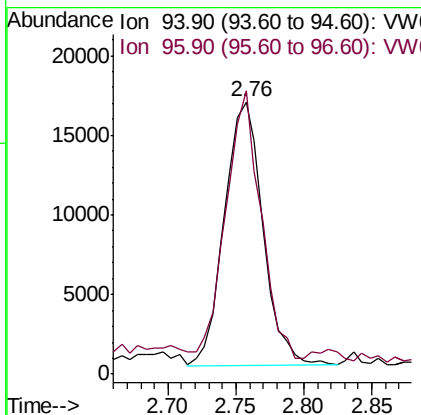
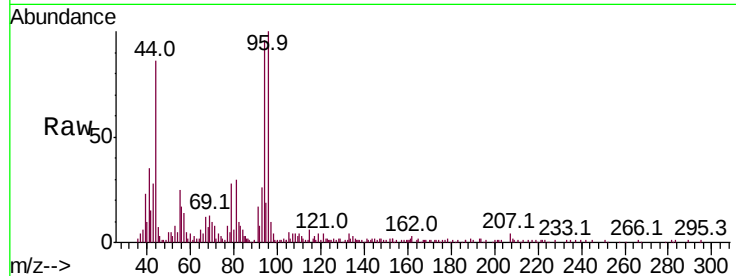
96 99.3 75.8 113.6

Manual Integrations

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#6

Chloroethane

Concen: 6.543 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.01 min

Lab File: VW010417.D

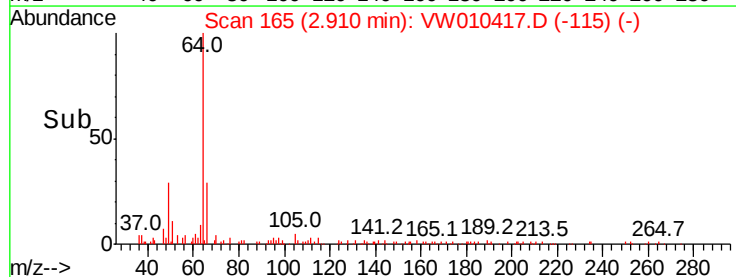
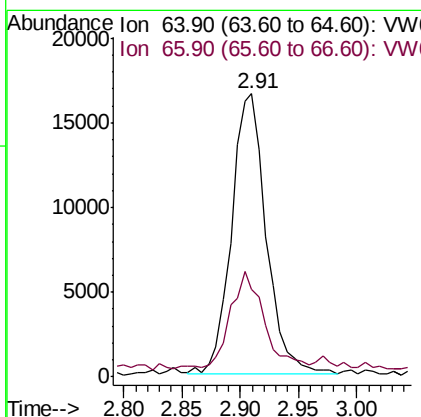
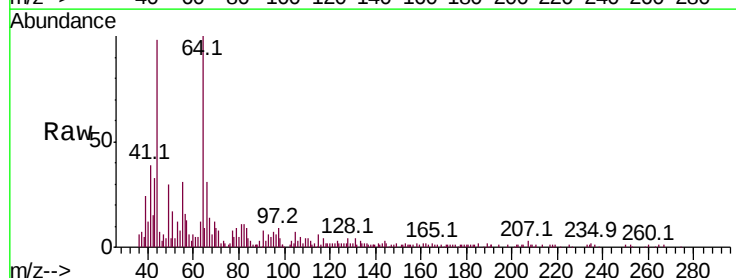
Acq: 17 May 2019 17:05

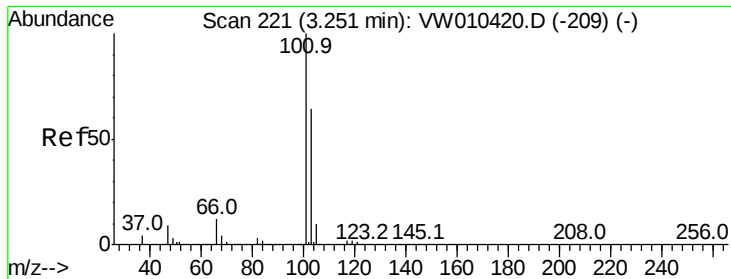
Tgt Ion: 64 Resp: 34493

Ion Ratio Lower Upper

64 100

66 27.6 23.6 35.4





#7

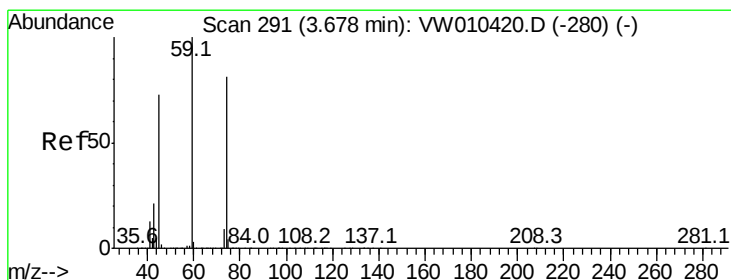
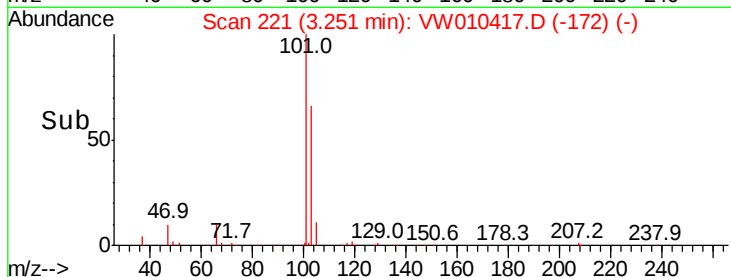
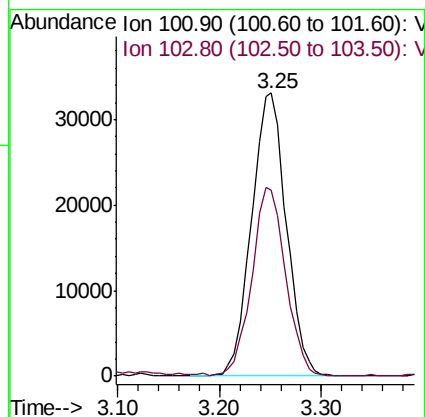
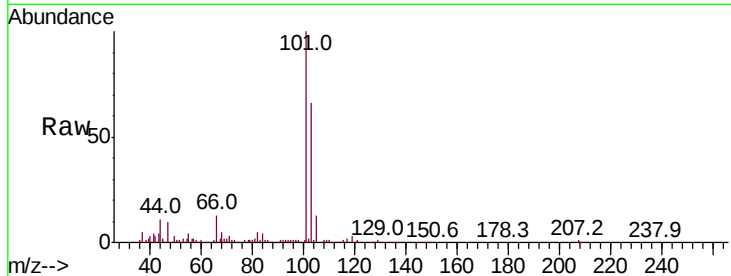
Trichlorofluoromethane
 Concen: 12.899 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

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 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.4	77.0

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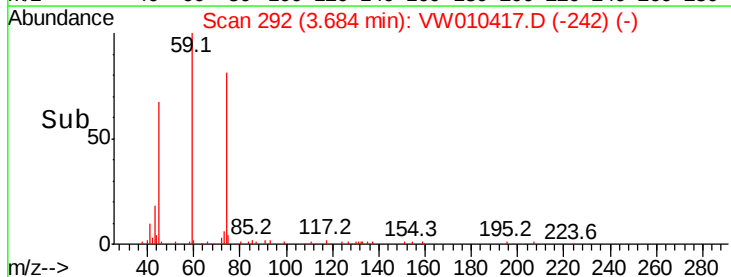
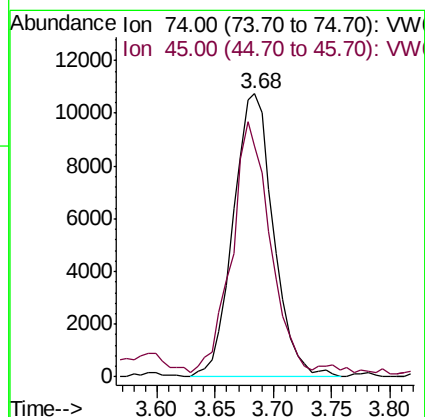
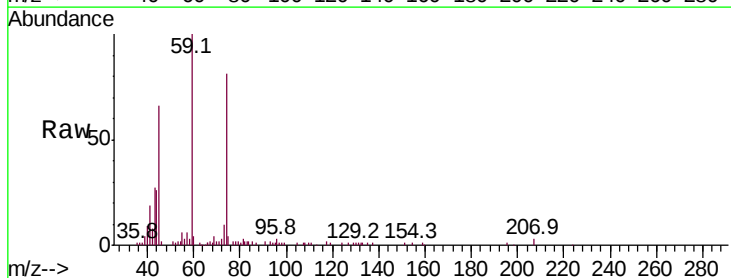
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 5/20/2019 12:15:53 PM

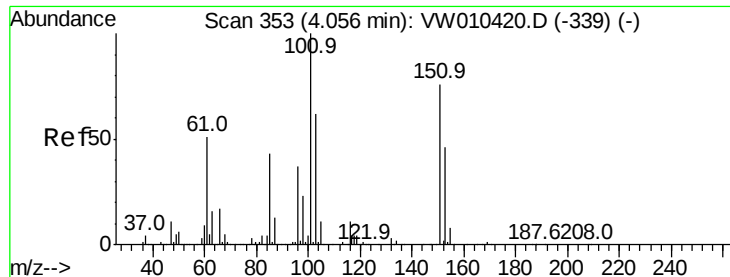


#8

Diethyl Ether
 Concen: 6.079 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.4	43.4	130.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.410 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

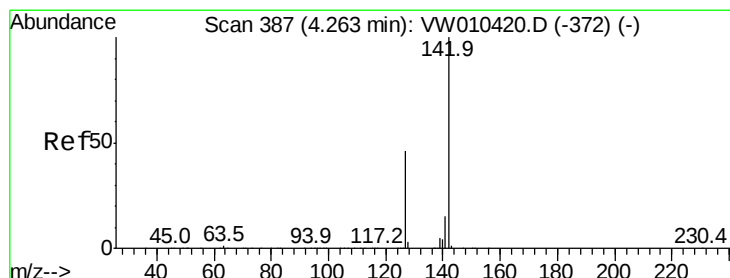
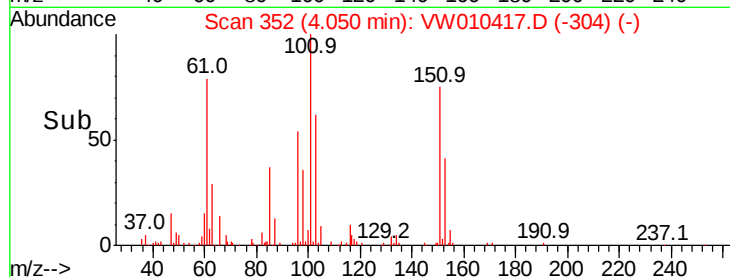
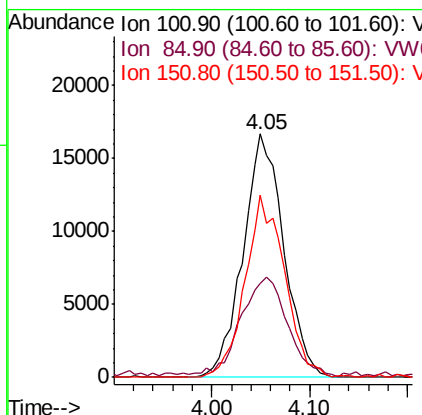
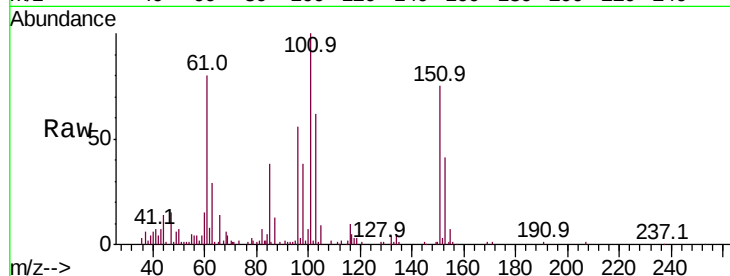
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	48340
Ion Ratio	Lower	Upper	
101	100		
85	48.3	34.3	51.5
151	72.7	59.4	89.2

Manual Integrations
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#10

Methyl Iodide

Concen: 4.408 ug/l

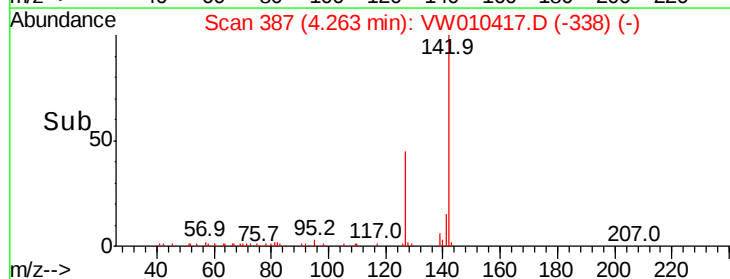
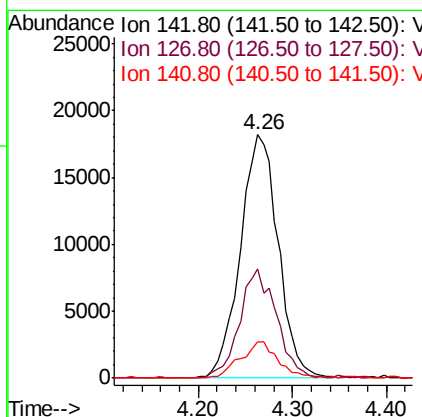
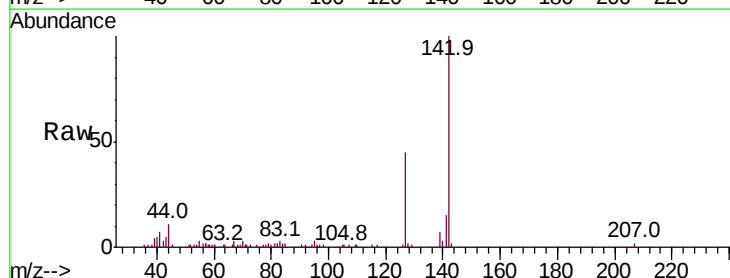
RT: 4.26 min Scan# 387

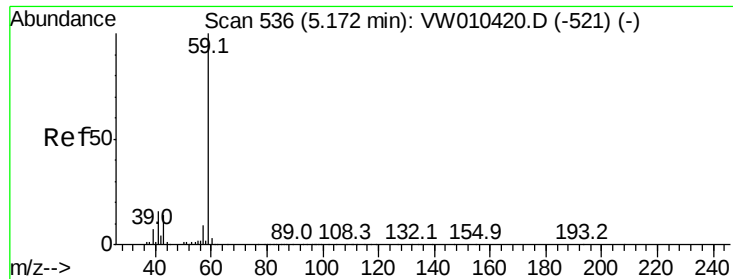
Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Tgt Ion:	142	Resp:	51291
Ion Ratio	Lower	Upper	
142	100		
127	43.7	35.4	53.2
141	14.8	11.4	17.2





#11

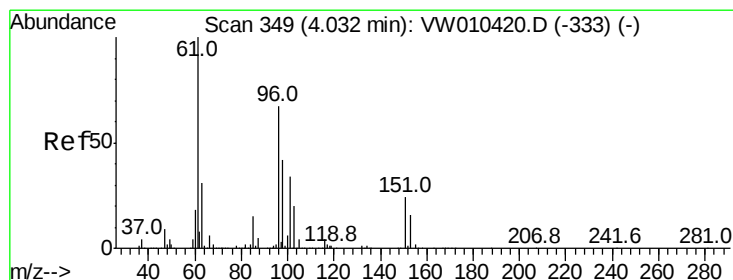
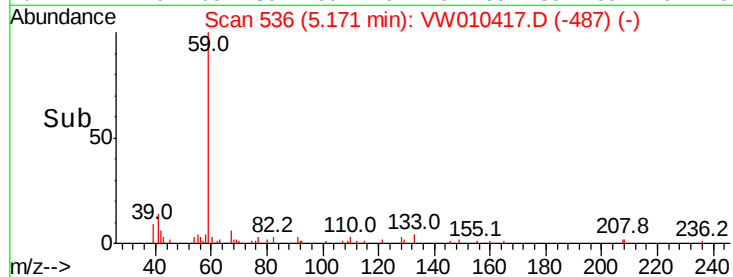
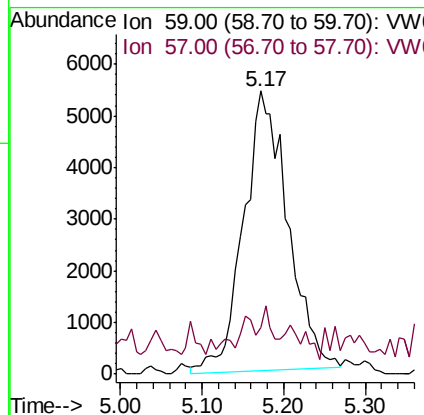
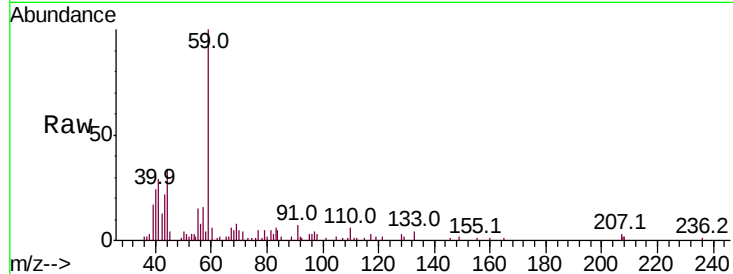
Tert butyl alcohol
 Concen: 29.656 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
59	100	20321		
57	0.0	8.4	12.6	

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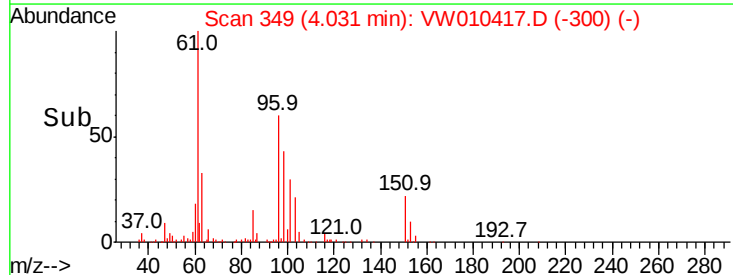
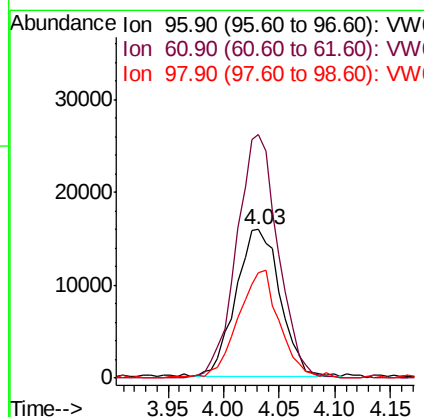
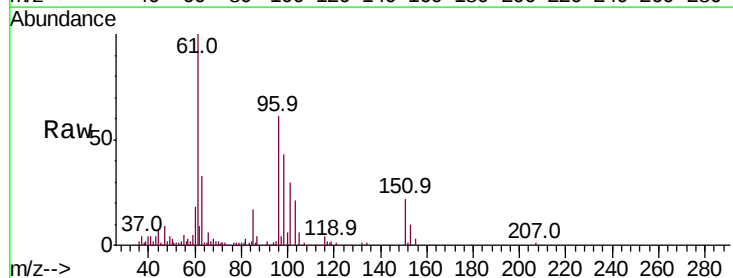
MMDadoda
 5/20/2019 12:15:53 PM

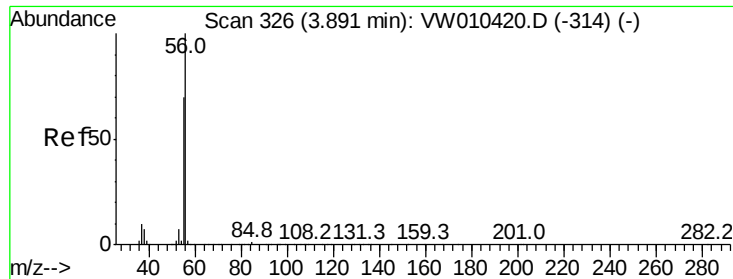


#12

1,1-Dichloroethene
 Concen: 5.637 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	44400		
61	165.6	120.3	180.5	
98	71.7	50.7	76.1	





#13

Acrolein

Concen: 42.583 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 18468

Ion Ratio Lower Upper

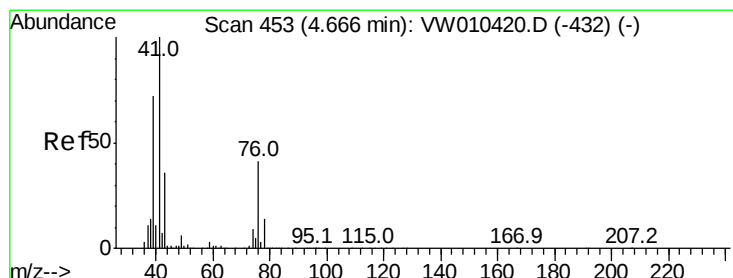
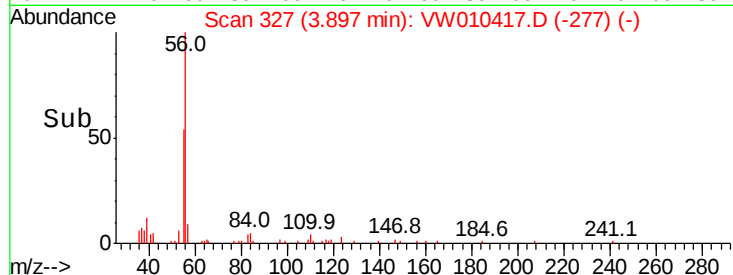
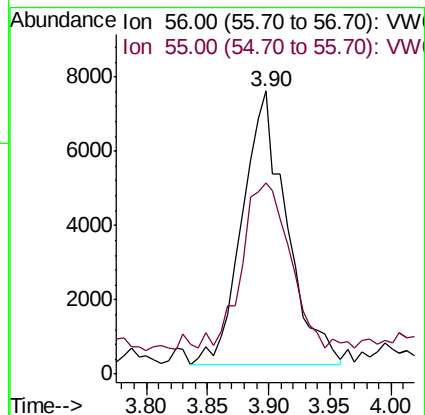
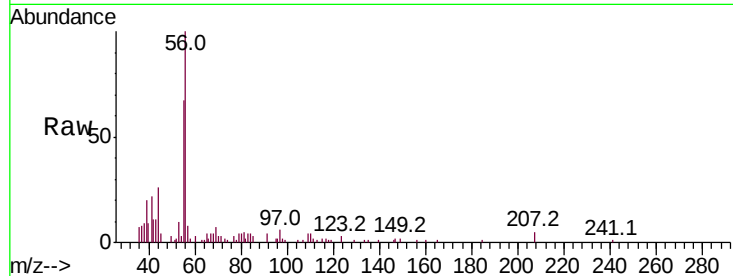
56 100

55 66.4 57.6 86.4

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#14

Allyl chloride

Concen: 6.707 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

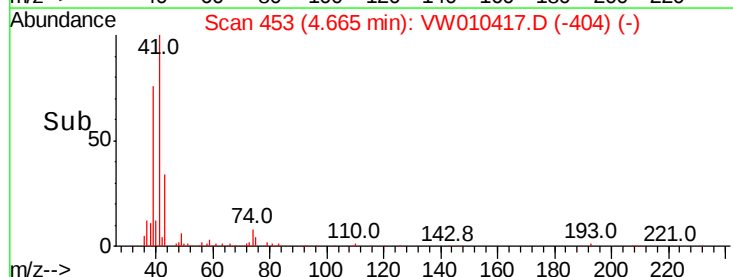
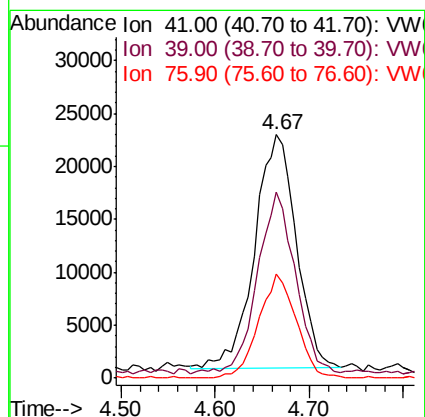
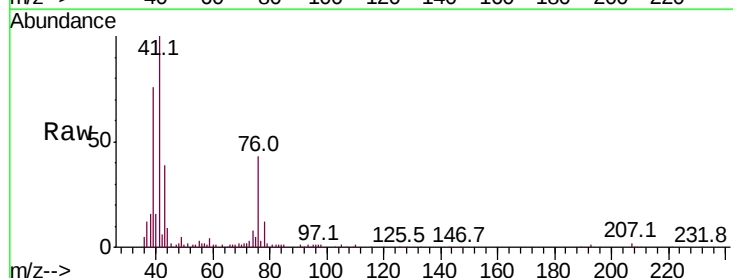
Tgt Ion: 41 Resp: 68504

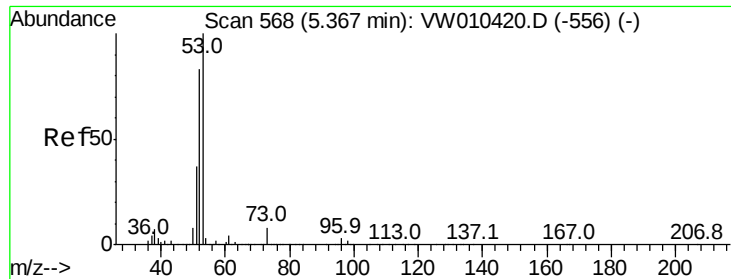
Ion Ratio Lower Upper

41 100

39 70.4 54.9 82.3

76 40.0 31.8 47.6





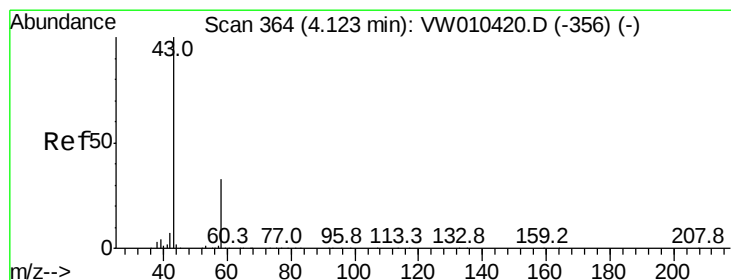
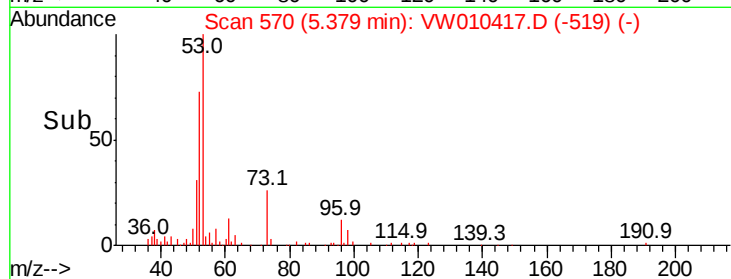
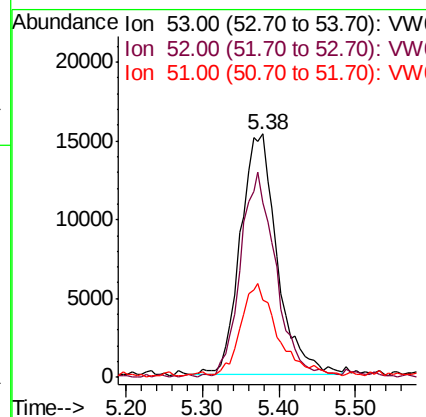
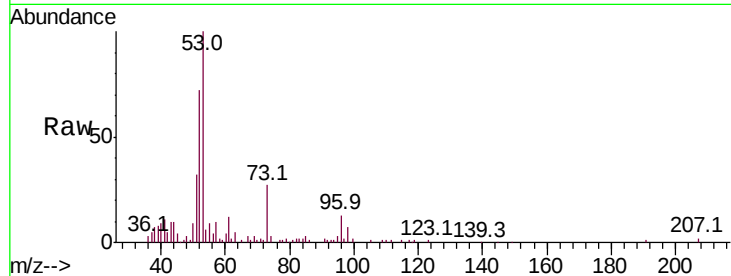
#15
Acrylonitrile
Concen: 27.203 ug/l
RT: 5.38 min Scan# 570
Delta R.T. 0.01 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	63.9	95.9
51	37.3	29.5	44.3

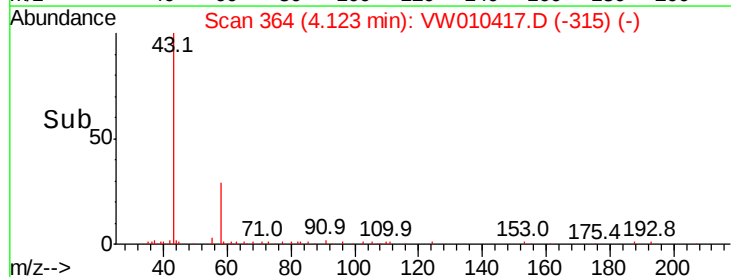
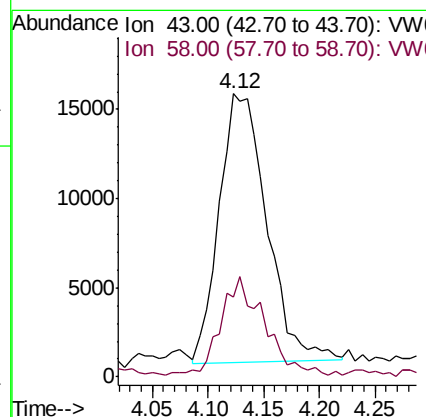
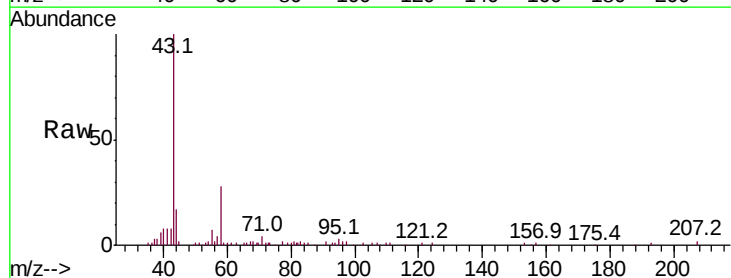
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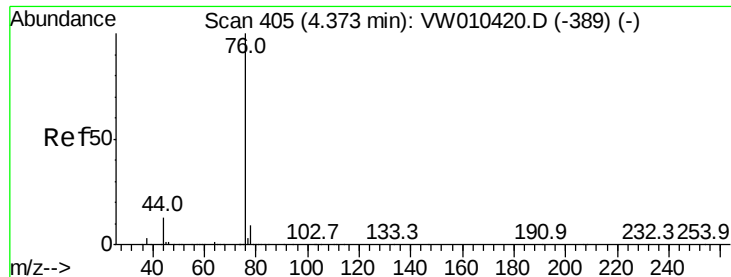
MMDadoda
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#16
Acetone
Concen: 29.985 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.6	26.0	39.0





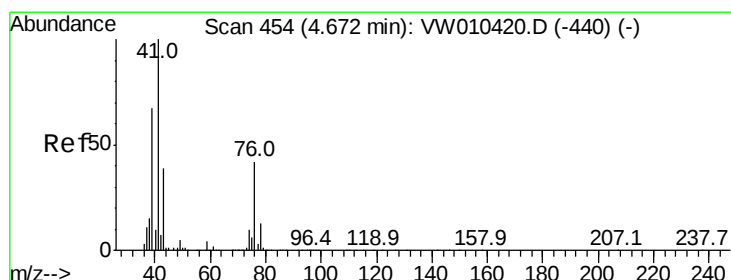
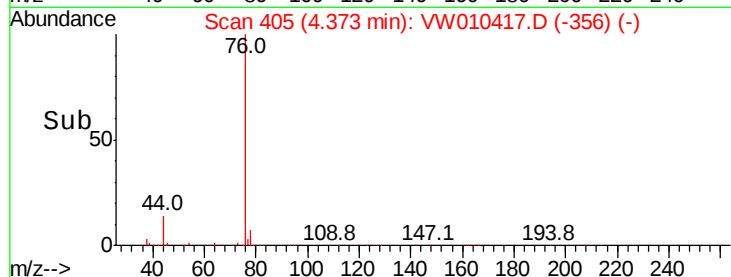
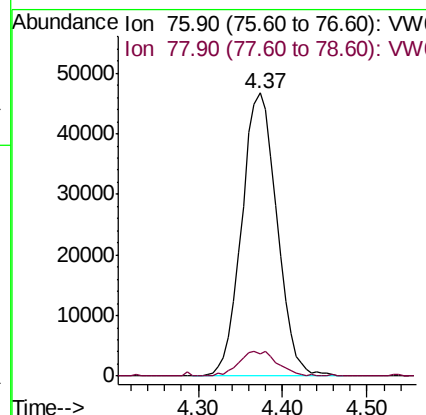
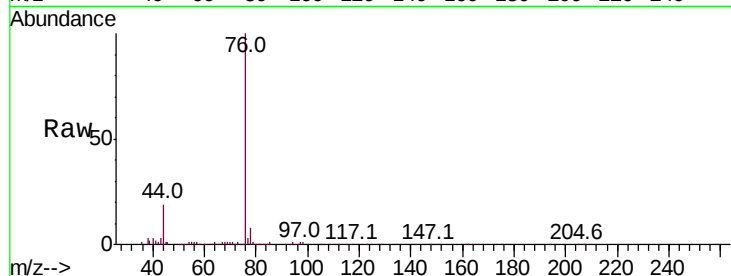
#17
Carbon Disulfide
Concen: 6.159 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.1	10.7

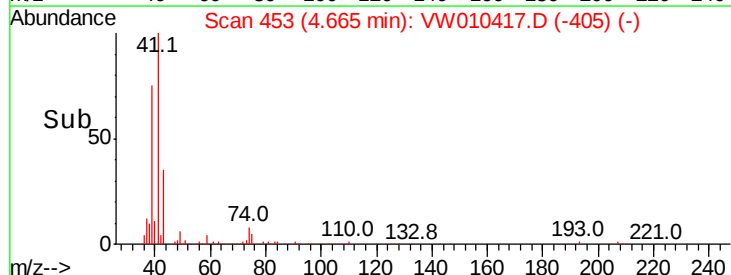
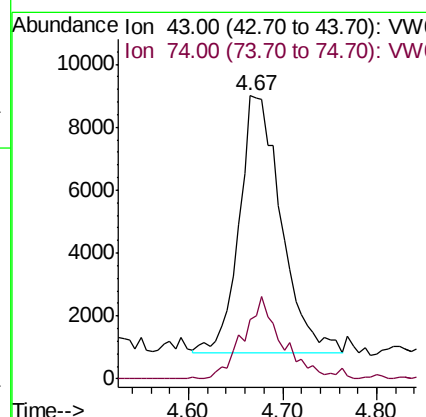
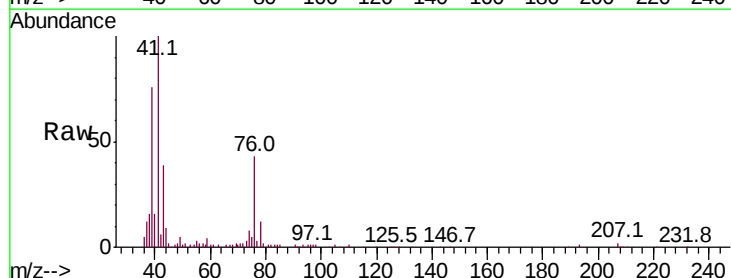
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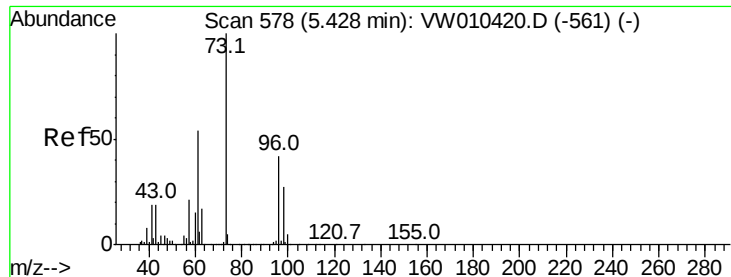
MMDadoda
5/20/2019 12:15:53 PM



#18
Methyl Acetate
Concen: 5.362 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.2	21.2	31.8





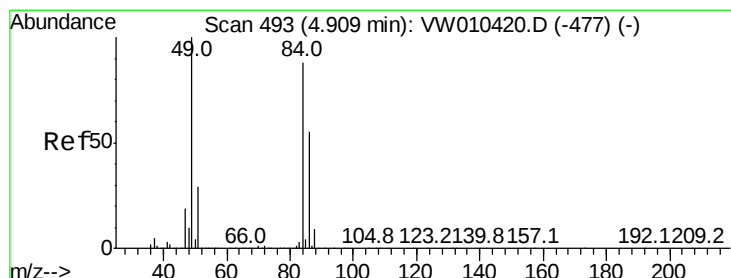
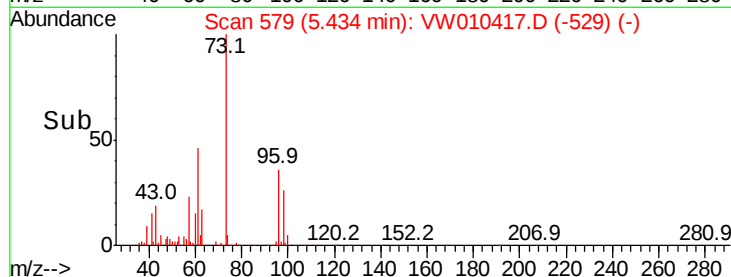
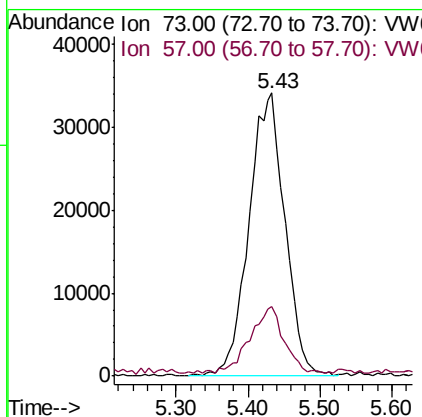
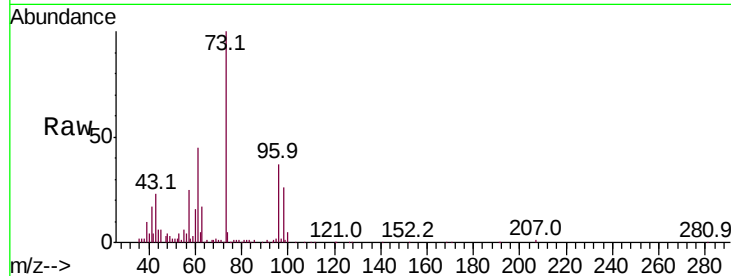
#19
Methvl tert-butvl Ether
Concen: 9.159 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 118012
Ion Ratio Lower Upper
73 100
57 23.3 17.0 25.4

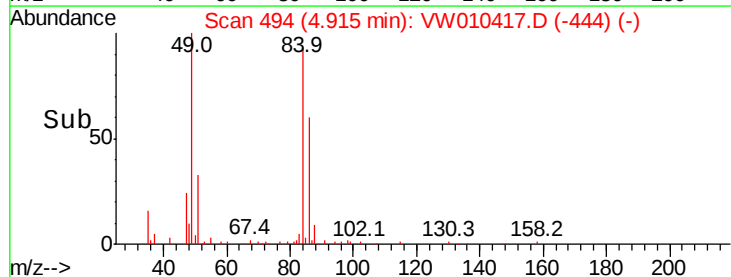
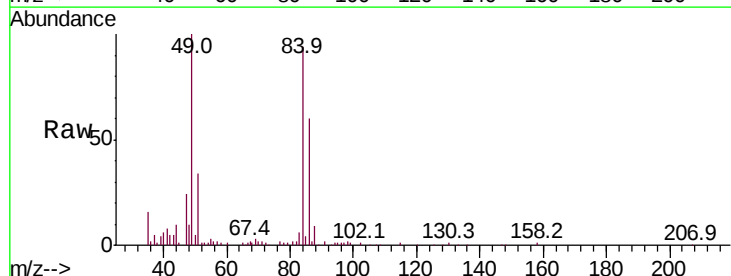
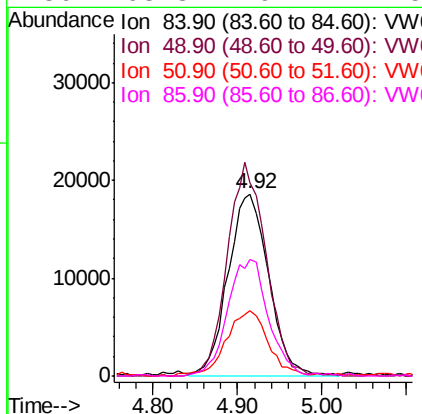
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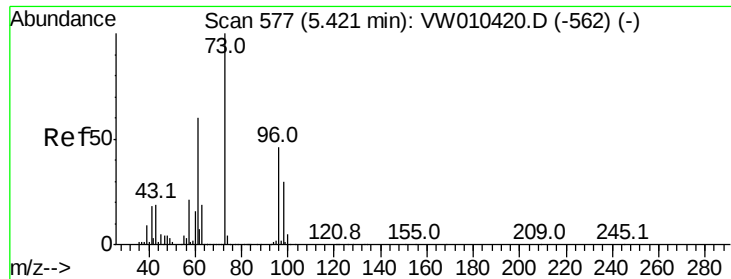
MMDadoda
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#20
Methylene Chloride
Concen: 6.987 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion: 84 Resp: 61084
Ion Ratio Lower Upper
84 100
49 105.3 90.6 135.8
51 34.5 26.6 40.0
86 63.3 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 5.860 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

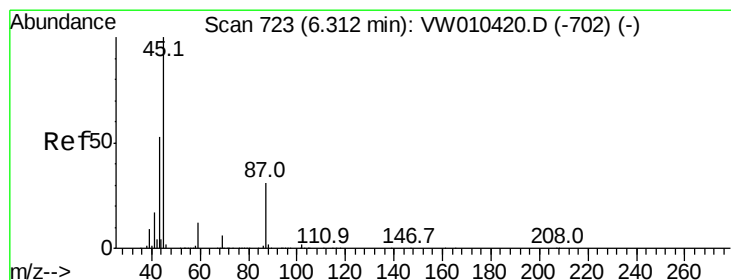
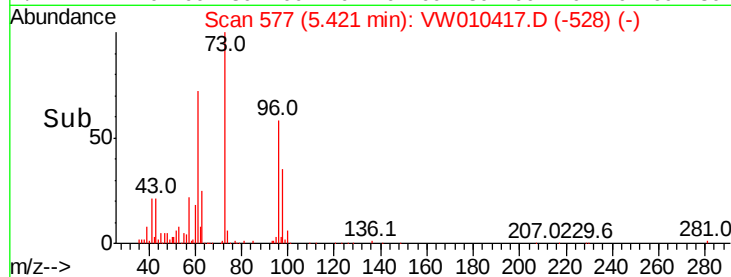
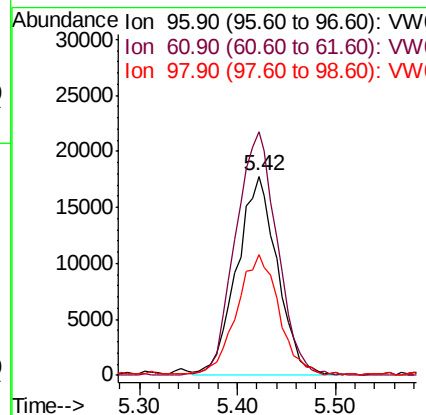
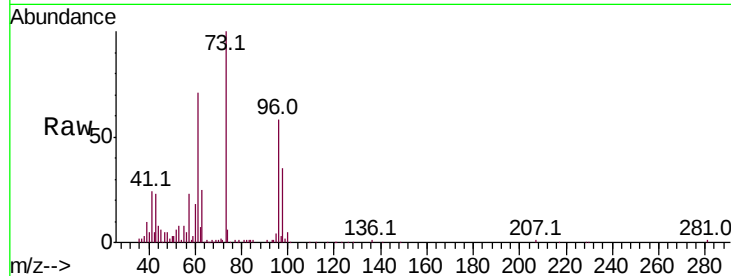
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	51441
Ion	Ratio	Lower	Upper
96	100		
61	121.8	103.9	155.9
98	60.7	51.5	77.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.598 ug/l

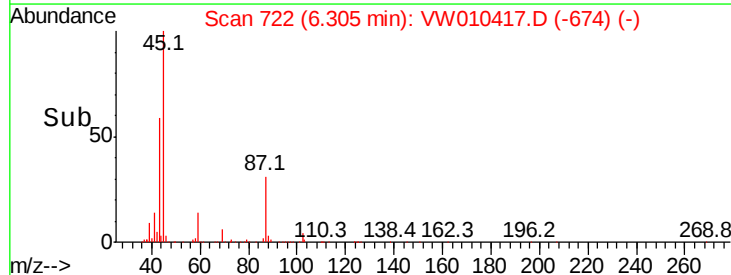
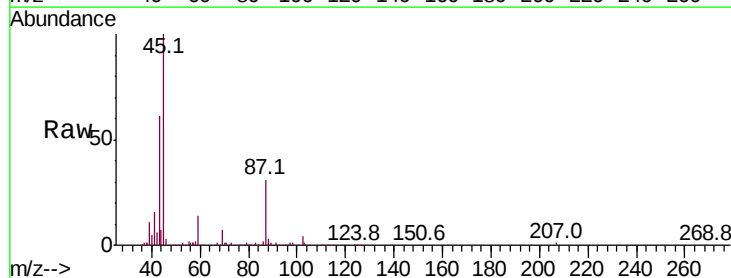
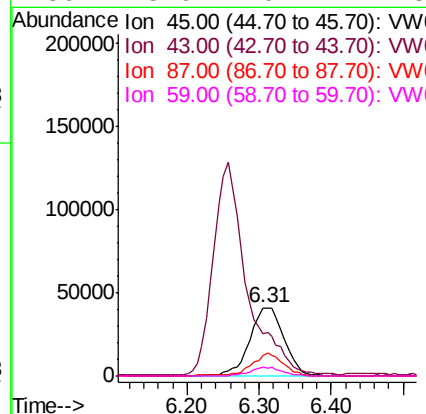
RT: 6.31 min Scan# 722

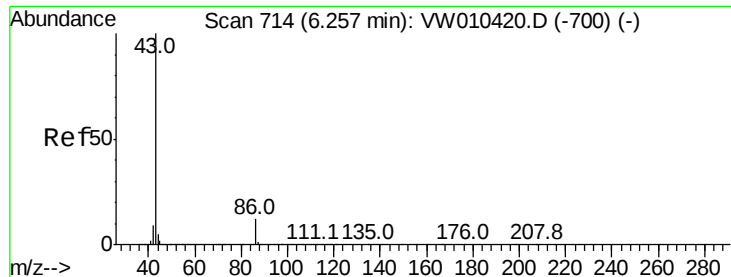
Delta R.T. -0.01 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Tgt Ion:	45	Resp:	136323
Ion	Ratio	Lower	Upper
45	100		
43	59.3	42.0	63.0
87	30.8	25.0	37.6
59	13.9	9.7	14.5





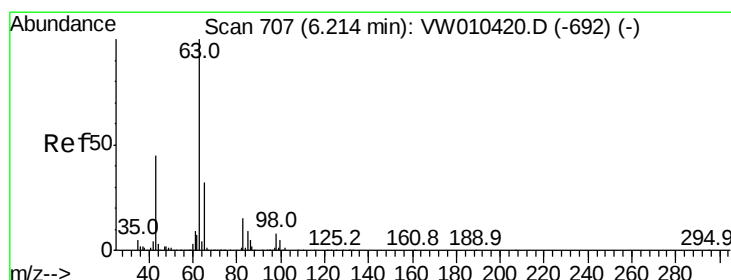
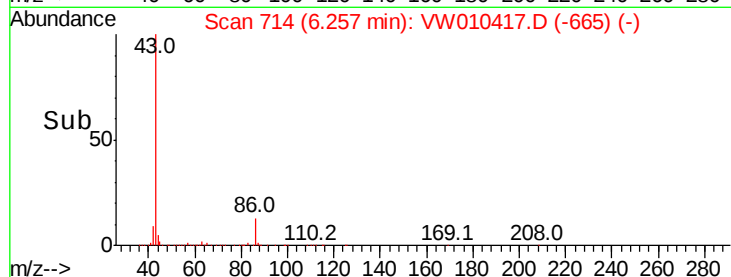
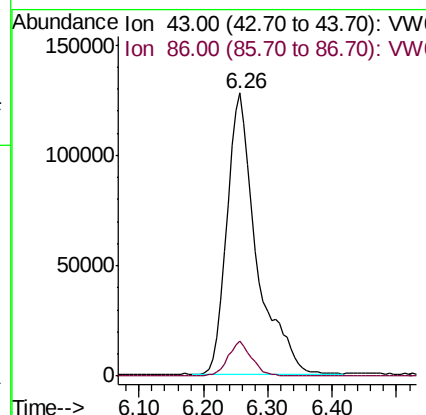
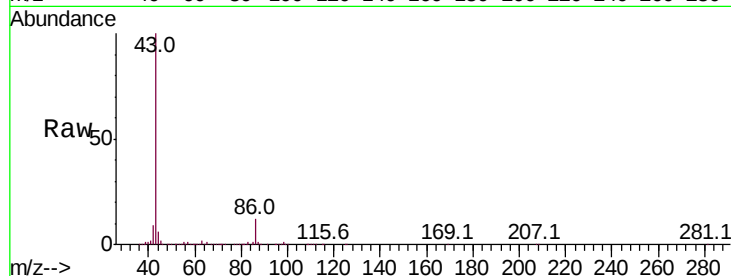
#23
 Vinyl Acetate
 Concen: 24.908 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion: 43 Resp: 412892
 Ion Ratio Lower Upper
 43 100
 86 12.6 9.7 14.5

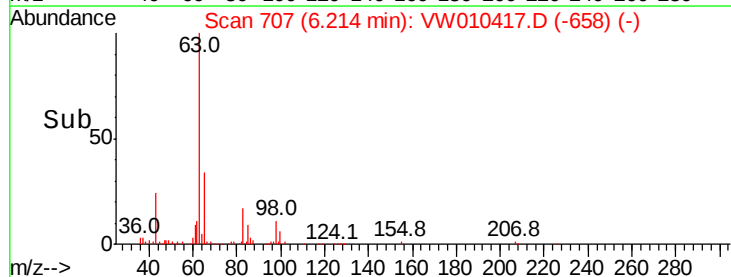
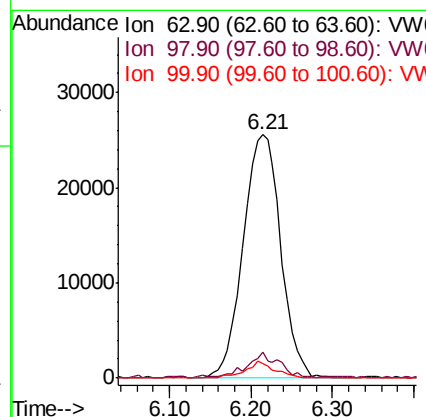
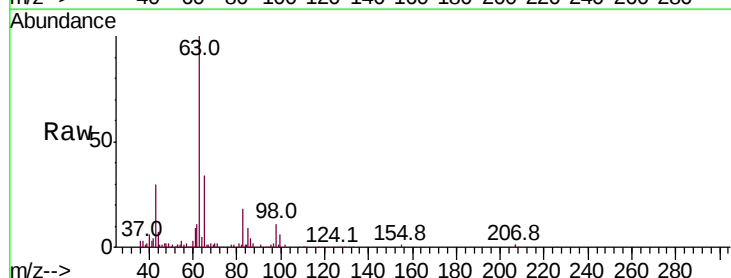
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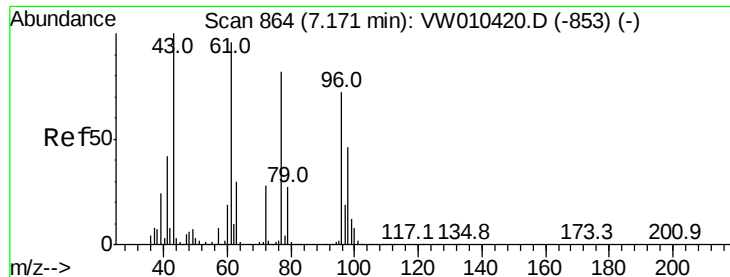
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#24
 1,1-Dichloroethane
 Concen: 5.504 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

Tgt Ion: 63 Resp: 81728
 Ion Ratio Lower Upper
 63 100
 98 10.6 4.0 12.0
 100 6.2 2.4 7.2





#25

2-Butanone

Concen: 22.459 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 62935

Ion Ratio Lower Upper

43 100

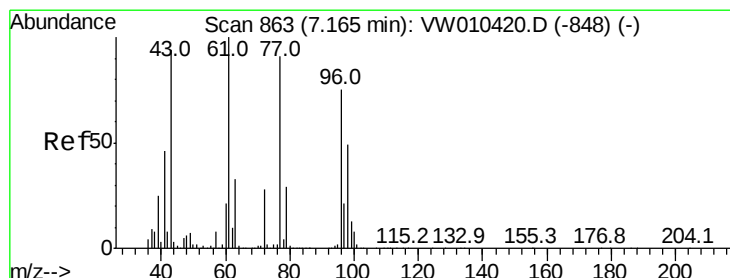
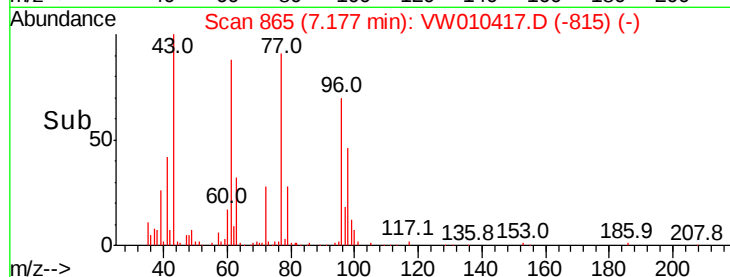
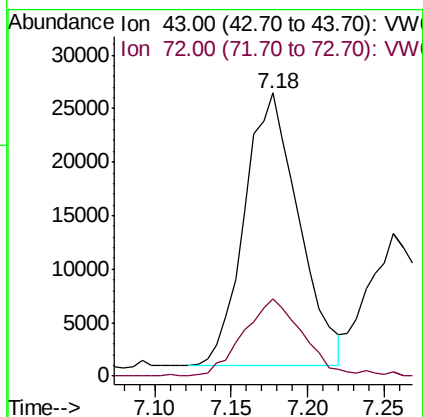
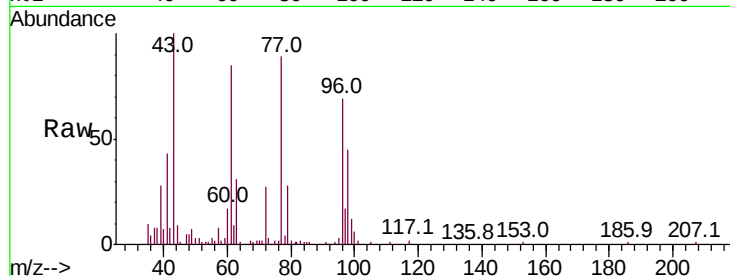
72 28.0 22.6 33.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 9.364 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010417.D

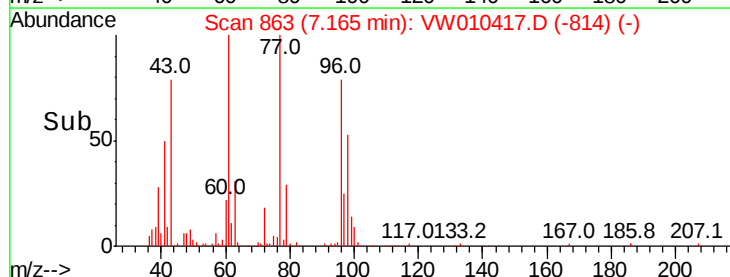
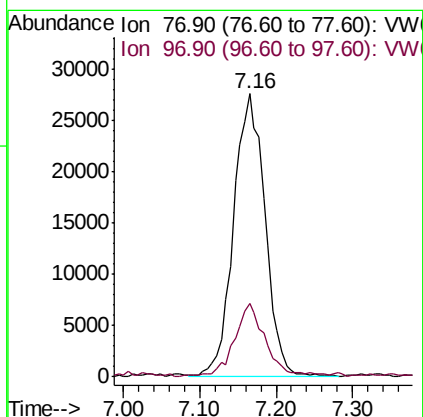
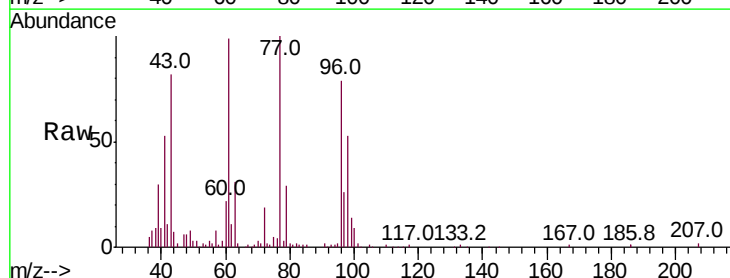
Acq: 17 May 2019 17:05

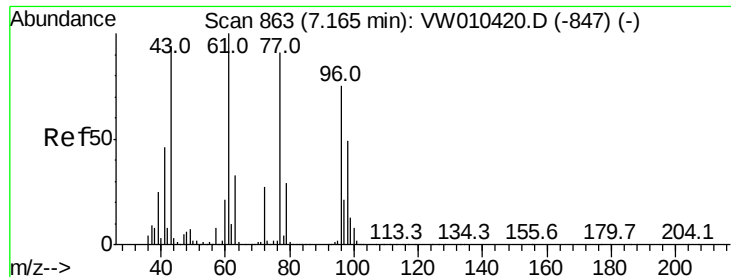
Tgt Ion: 77 Resp: 79151

Ion Ratio Lower Upper

77 100

97 25.0 11.7 35.1





#27

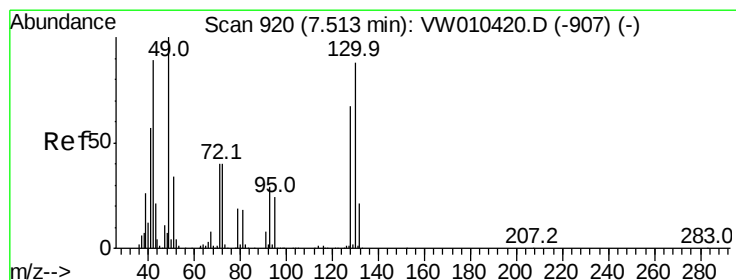
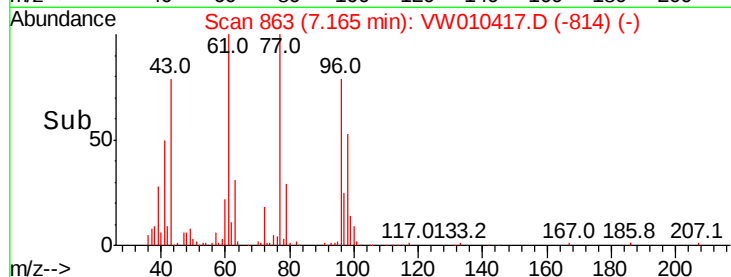
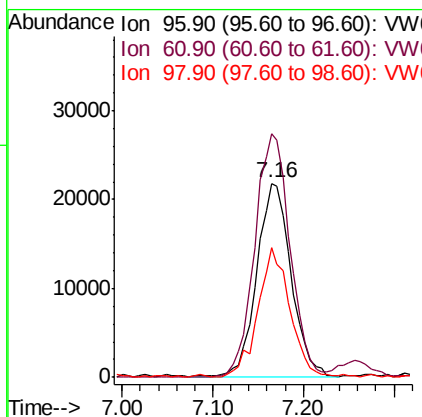
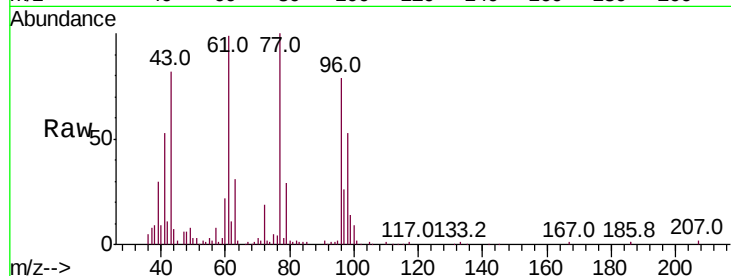
cis-1,2-Dichloroethene
 Concen: 5.608 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.8	0.0	266.4
98	62.7	0.0	129.6

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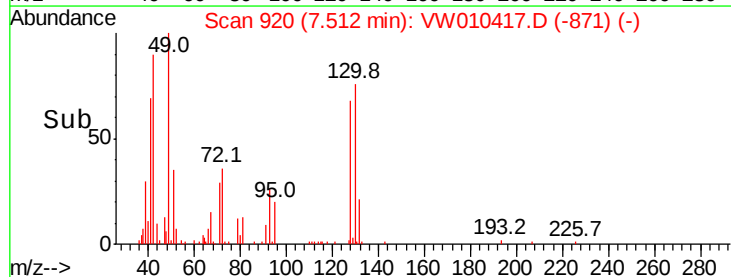
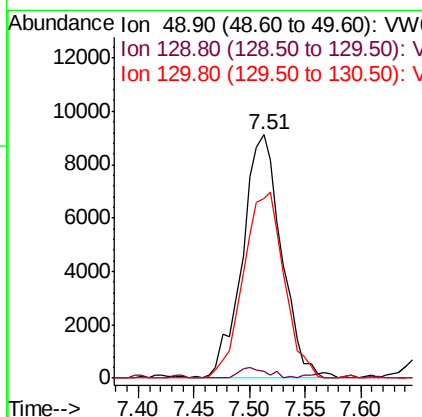
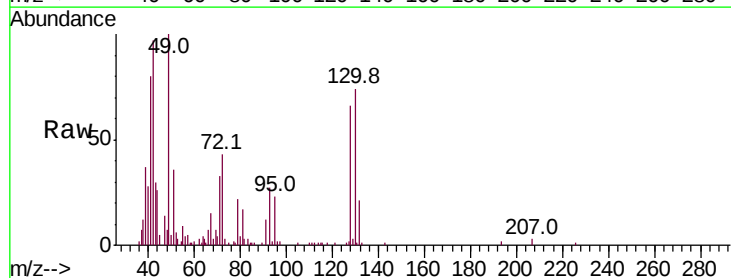
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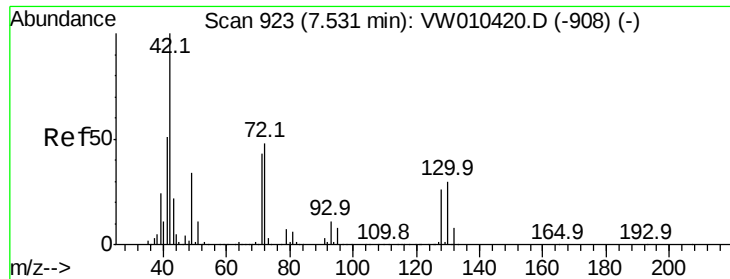


#28

Bromochloromethane
 Concen: 3.627 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	4.6
130	79.1	68.2	102.4





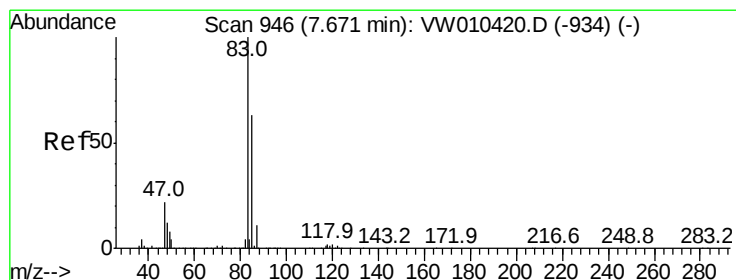
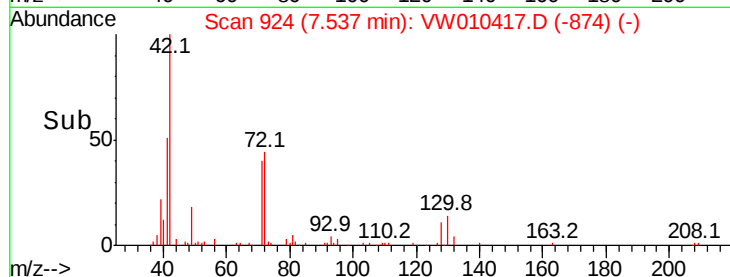
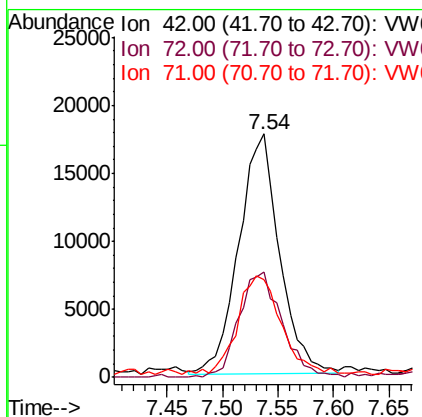
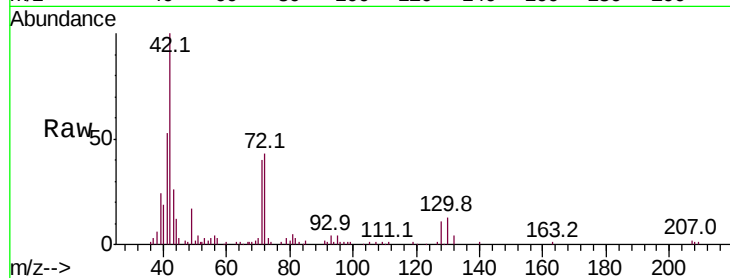
#29
Tetrahydrofuran
Concen: 23.893 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	44850
Ion Ratio	Lower	Upper	
42	100		
72	46.6	38.2	57.2
71	43.4	36.0	54.0

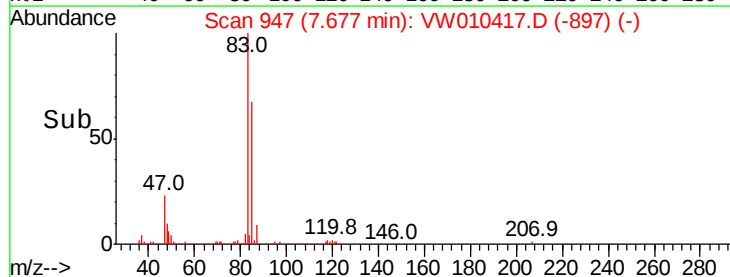
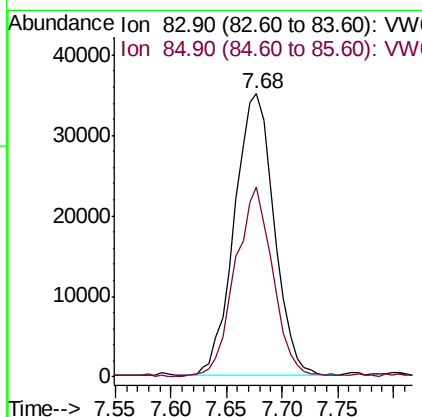
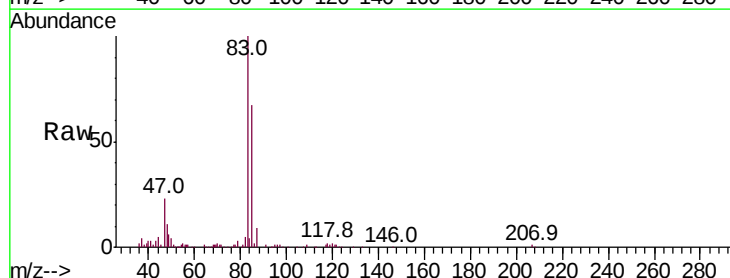
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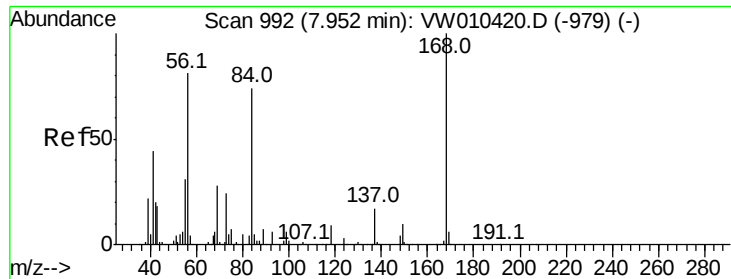
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#30
Chloroform
Concen: 5.518 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion:	83	Resp:	86091
Ion Ratio	Lower	Upper	
83	100		
85	66.9	50.8	76.2





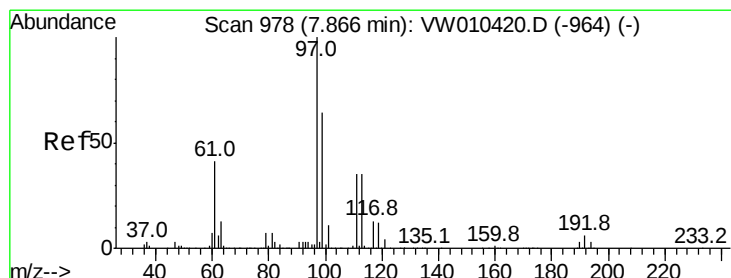
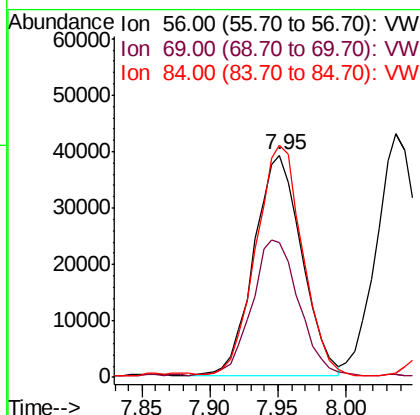
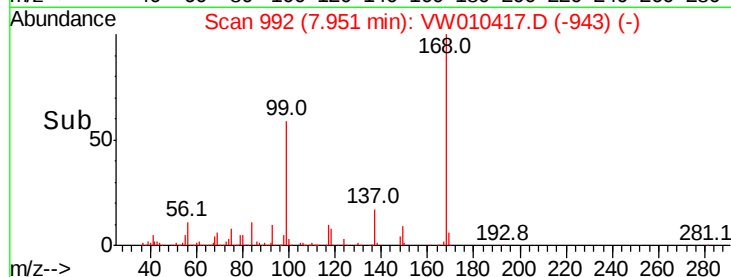
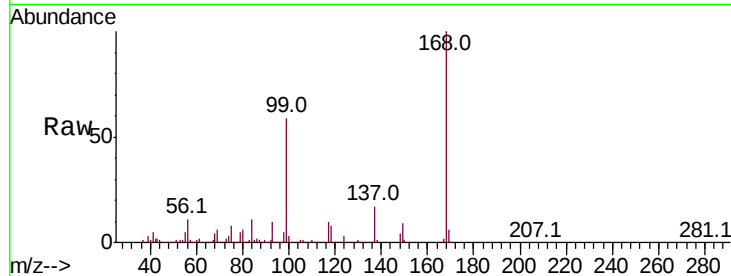
#31
Cyclohexane
Concen: 6.654 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	60.3	27.6	41.4#
84	103.6	72.9	109.3

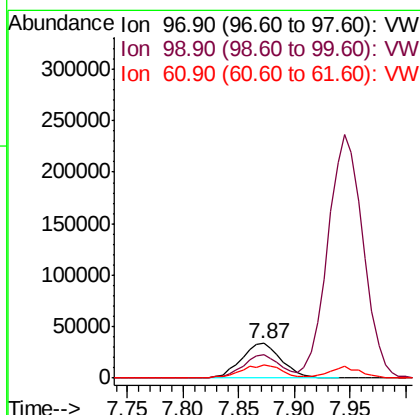
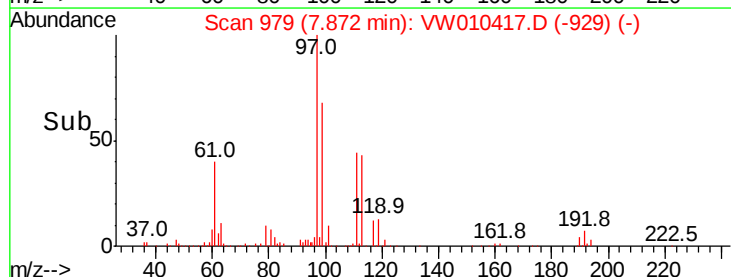
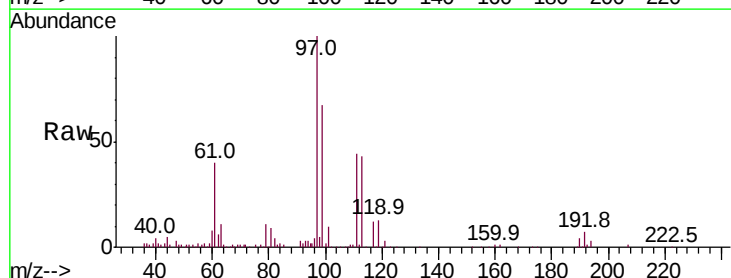
Manual Integrations
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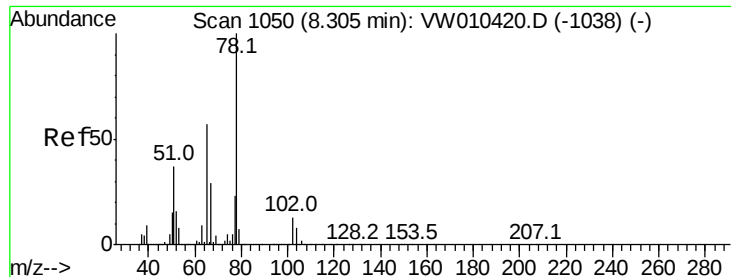
MMDadoda
5/20/2019 12:15:53 PM



#32
1,1,1-Trichloroethane
Concen: 6.631 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	39.9	32.0	48.0





#33

1,2-Dichloroethane-d4

Concen: 4.854 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 40492

Ion Ratio Lower Upper

65 100

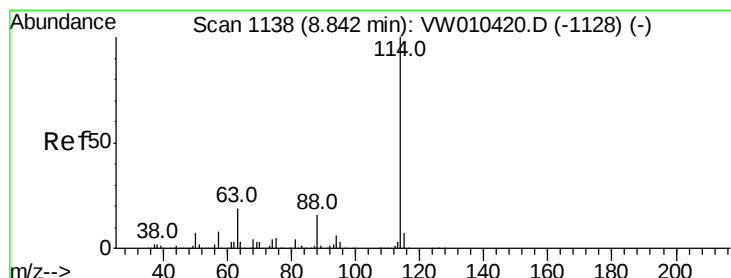
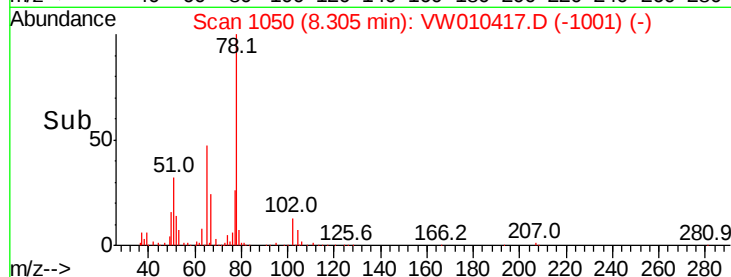
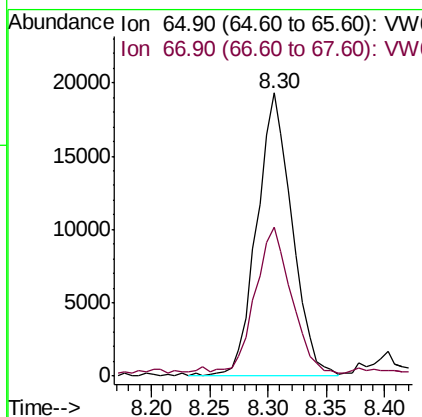
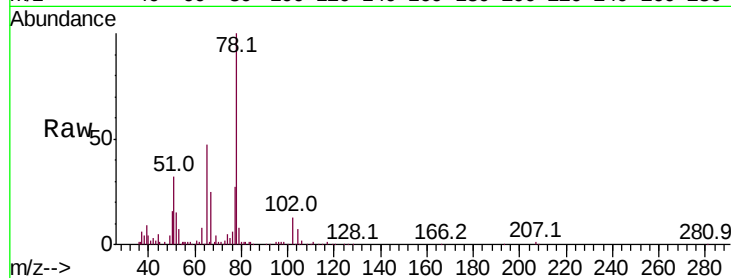
67 52.1 0.0 104.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

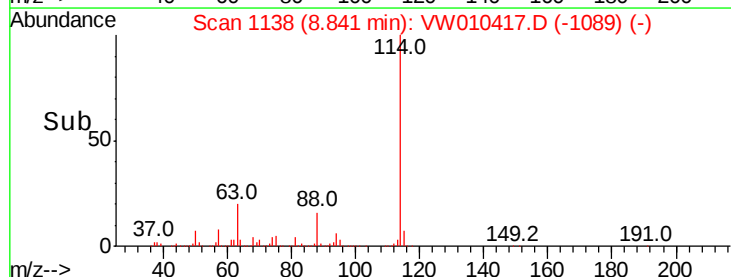
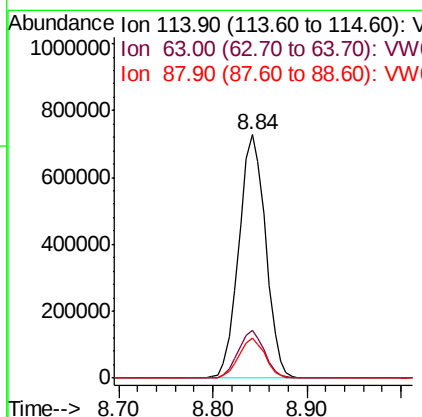
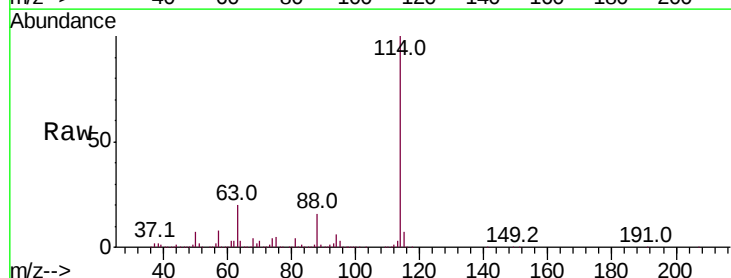
Tgt Ion: 114 Resp: 1432332

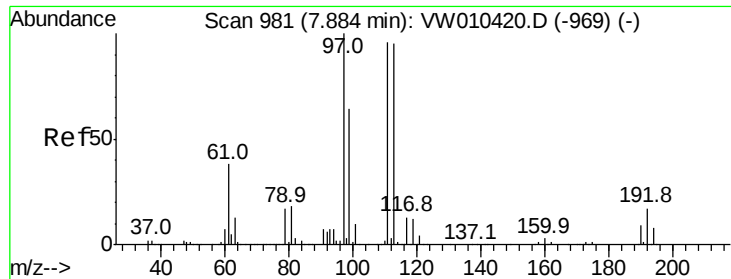
Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

88 16.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 4.918 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

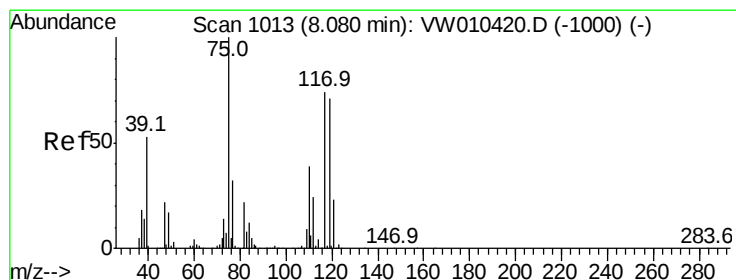
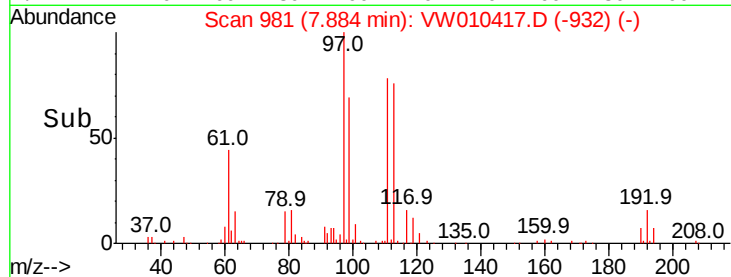
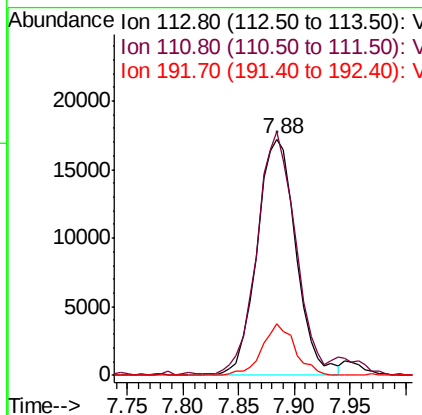
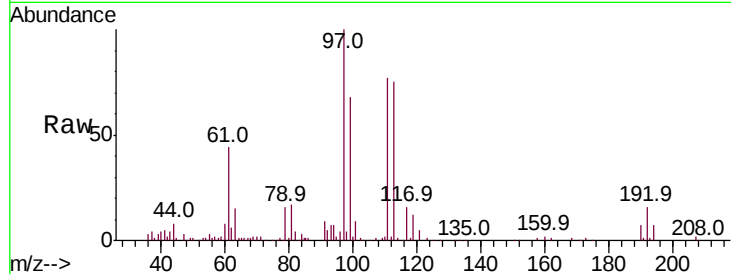
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	41965
Ion	Ratio	Lower	Upper
113	100		
111	100.3	82.5	123.7
192	18.3	14.2	21.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.600 ug/l

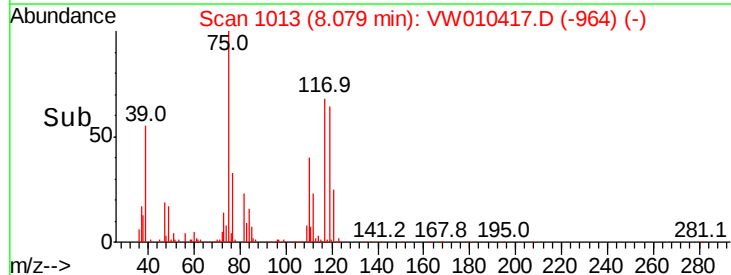
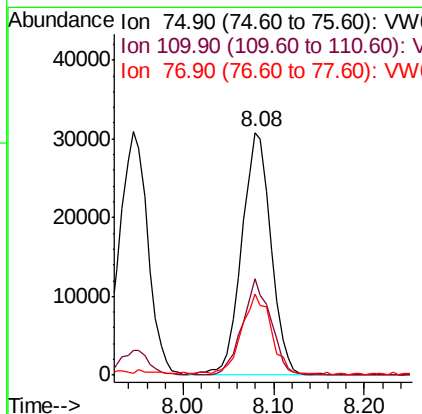
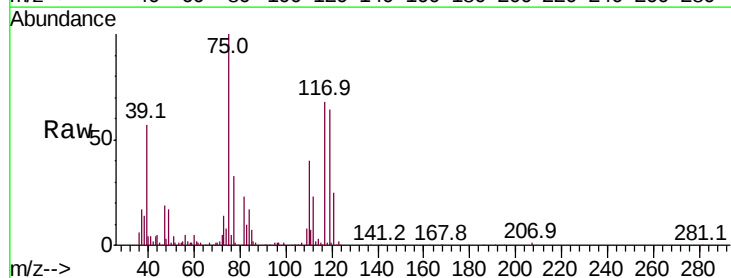
RT: 8.08 min Scan# 1013

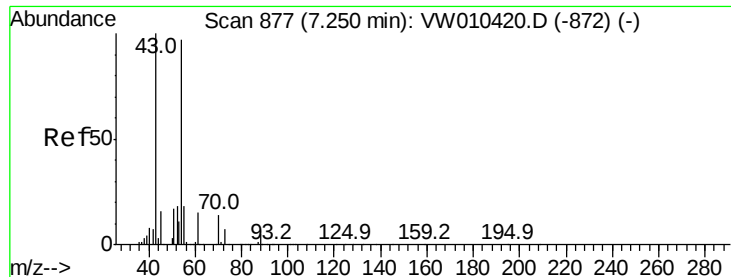
Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Tgt Ion:	75	Resp:	69023
Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.4	58.1
77	32.6	24.7	37.1





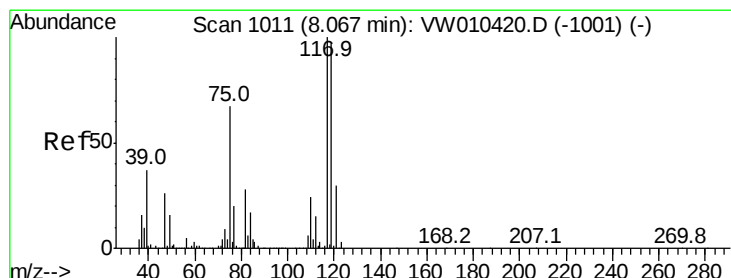
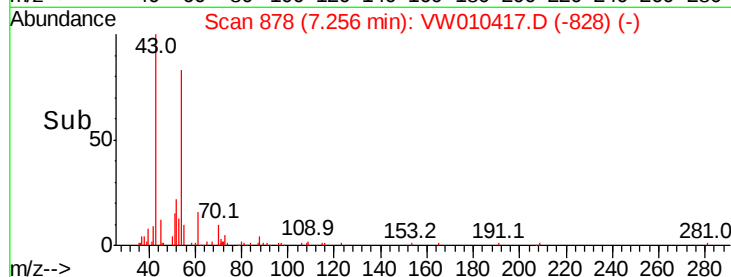
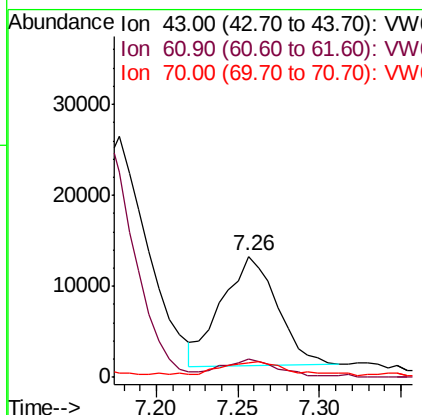
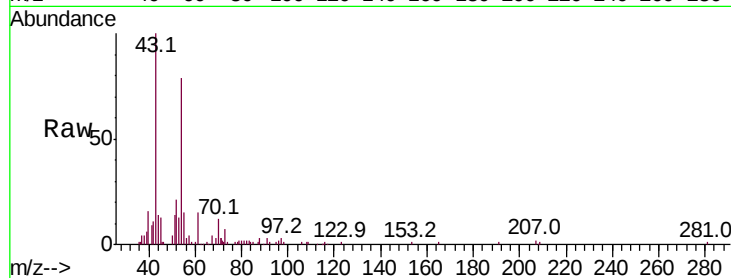
#37
Ethyl Acetate
Concen: 4.603 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.6
70	15.7	9.4	14.0

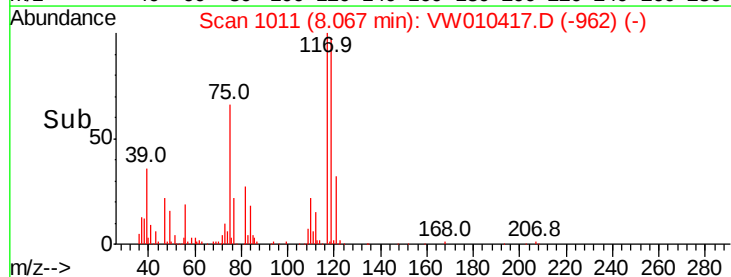
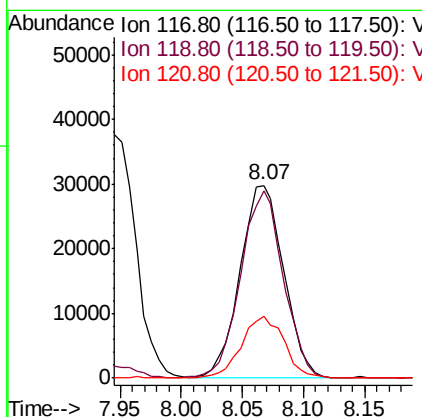
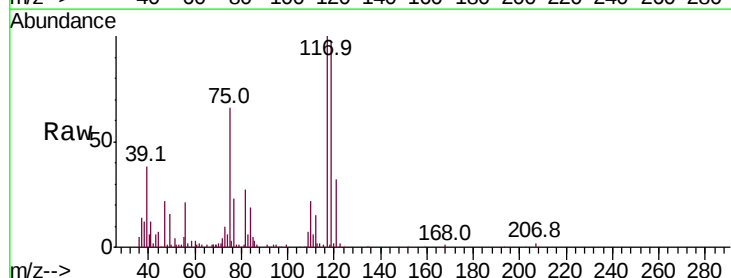
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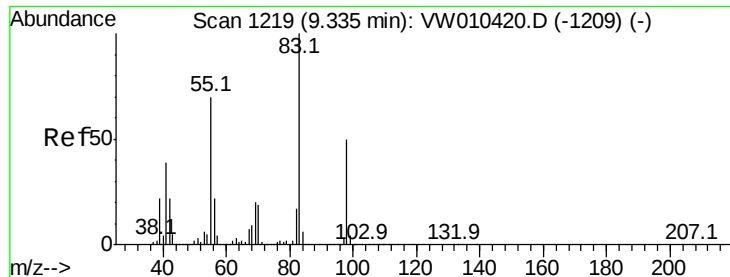
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#38
Carbon Tetrachloride
Concen: 5.868 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.8	116.6
121	32.0	24.2	36.2





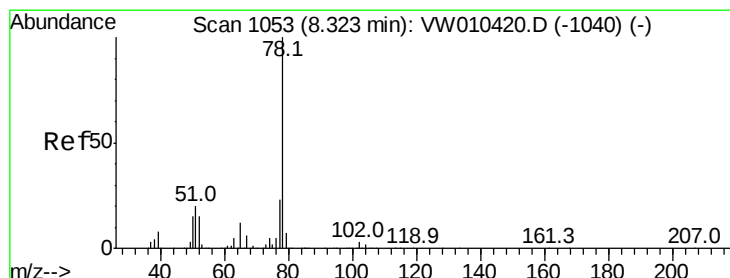
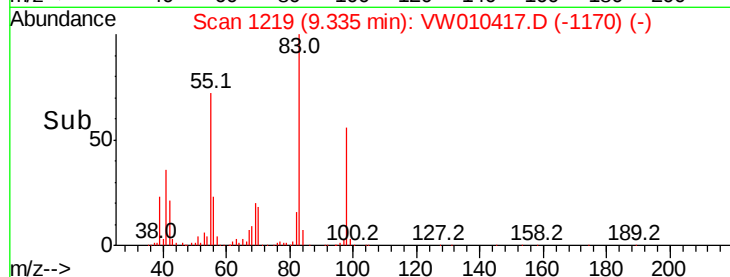
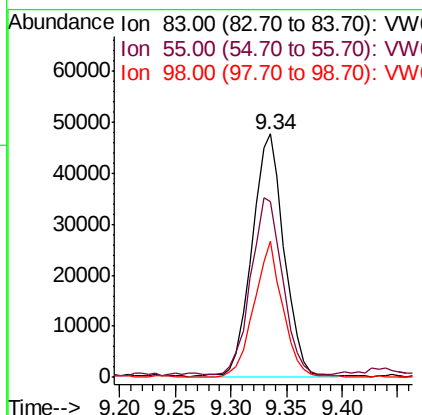
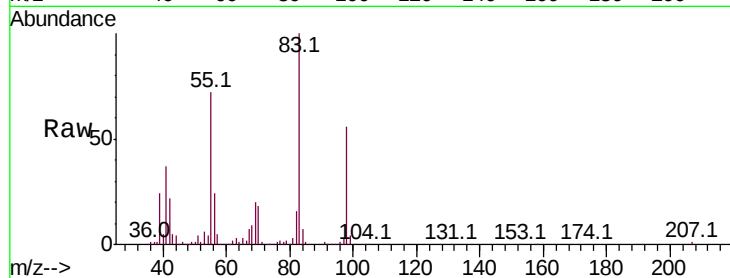
#39
Methvlcvclohexane
Concen: 5.813 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	55.7	83.5
98	55.8	40.2	60.4

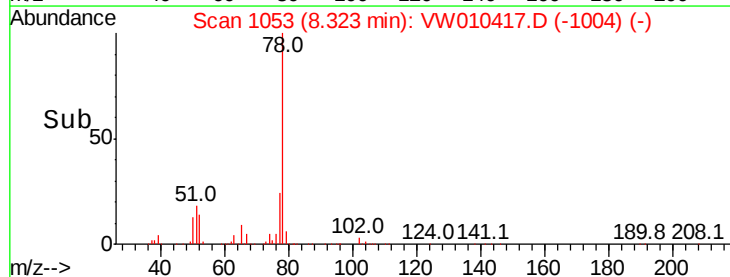
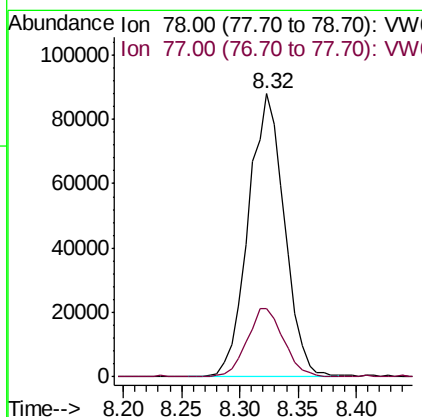
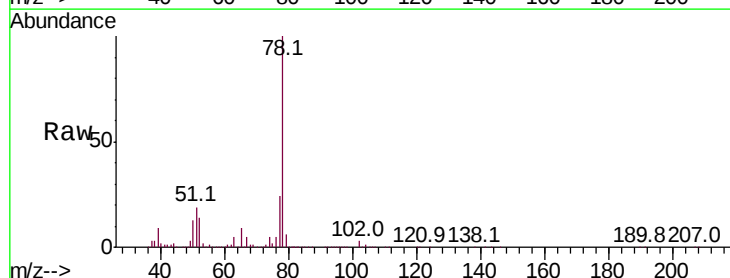
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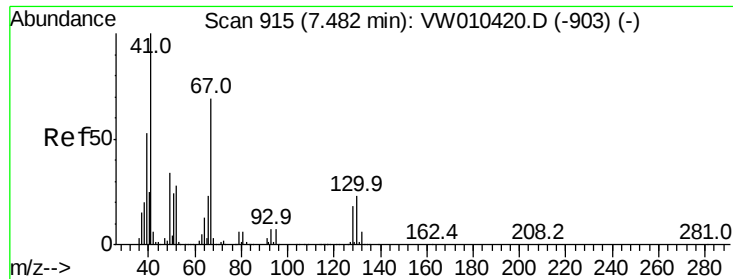
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#40
Benzene
Concen: 5.304 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





#41

Methacrylonitrile

Concen: 4.414 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 16572

Ion Ratio Lower Upper

41 100

39 64.0 38.1 57.1#

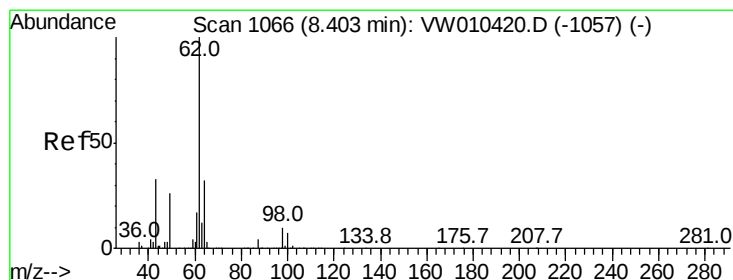
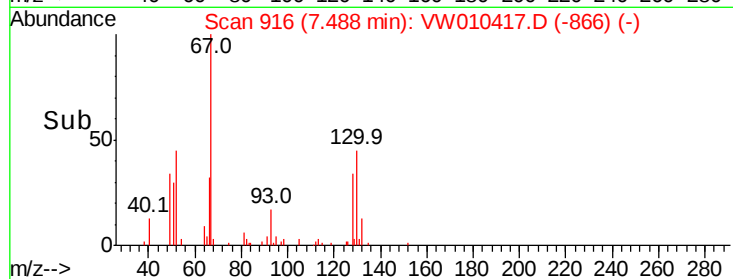
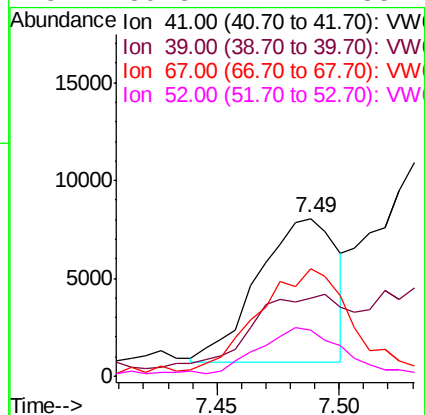
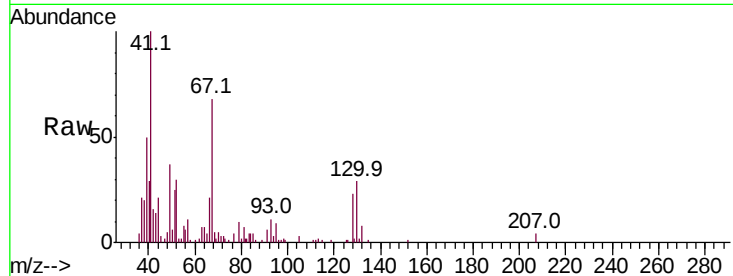
67 82.8 55.5 83.3

52 39.3 22.1 33.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 5.230 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW010417.D

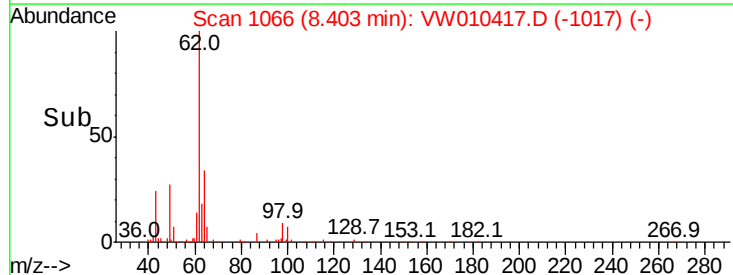
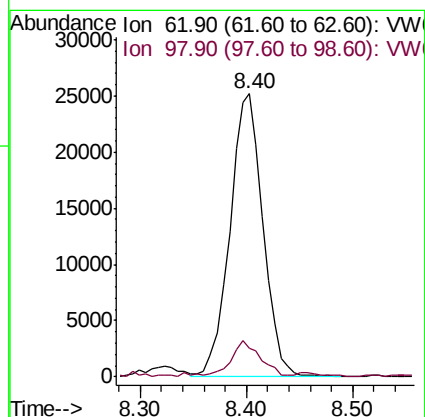
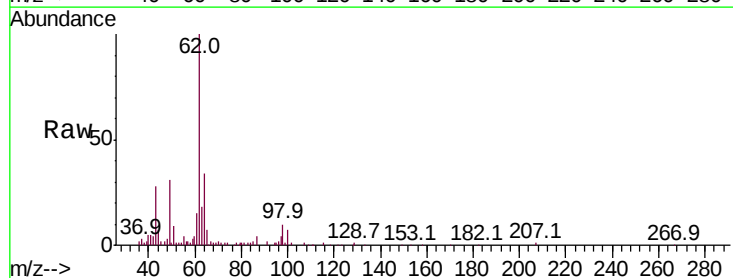
Acq: 17 May 2019 17:05

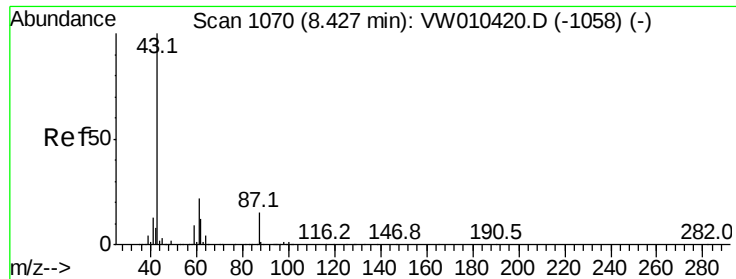
Tgt Ion: 62 Resp: 54677

Ion Ratio Lower Upper

62 100

98 11.1 0.0 20.2





#43

Isopropyl Acetate

Concen: 4.747 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

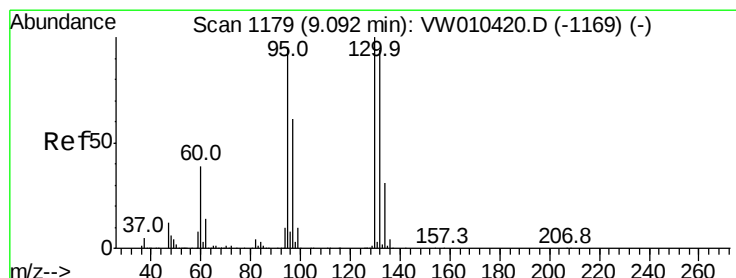
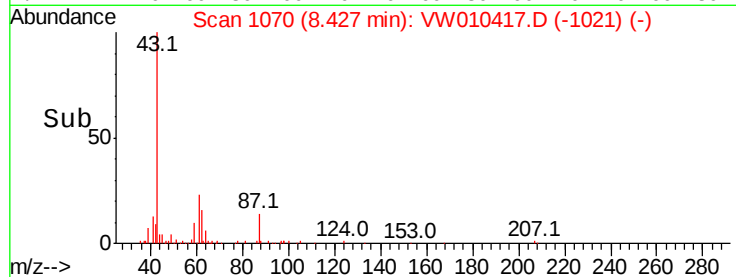
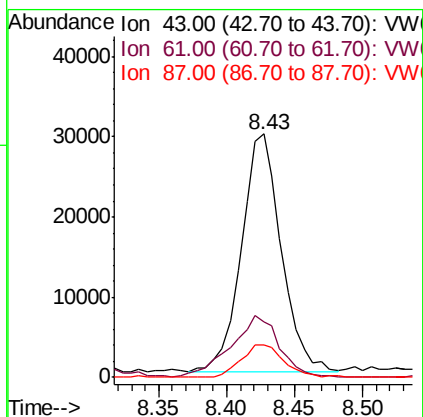
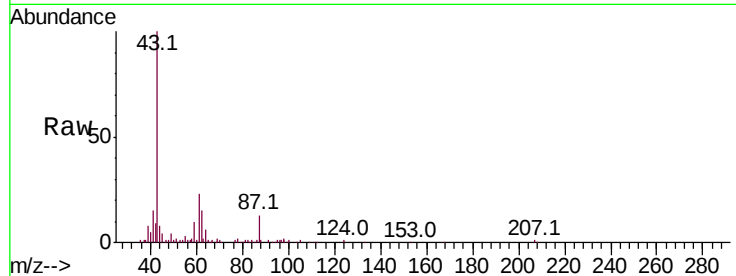
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	60443
Ion	Ratio	Lower	Upper
43	100		
61	31.8	24.4	36.6
87	14.7	11.8	17.8

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#44

Trichloroethene

Concen: 5.272 ug/l

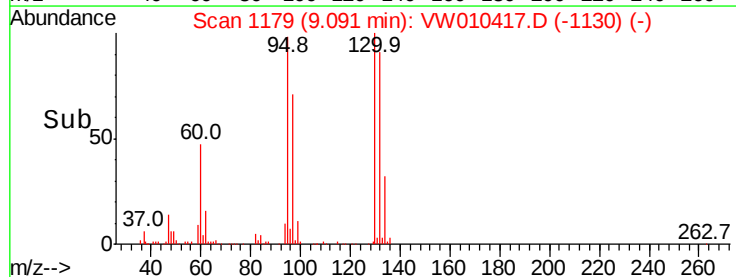
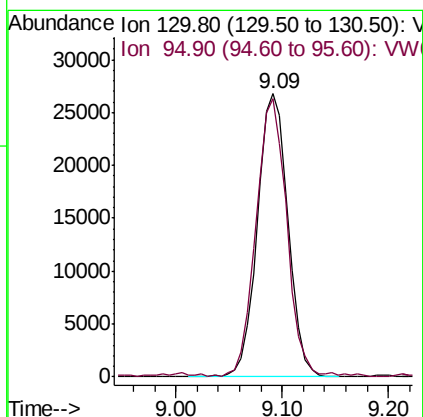
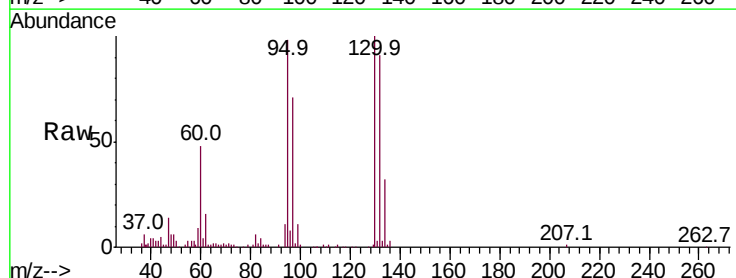
RT: 9.09 min Scan# 1179

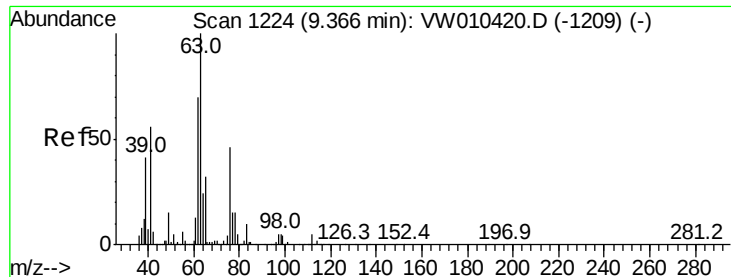
Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Tgt Ion:	130	Resp:	53981
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	190.4





#45

1,2-Dichloropropane

Concen: 5.044 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 44868

Ion Ratio Lower Upper

63 100

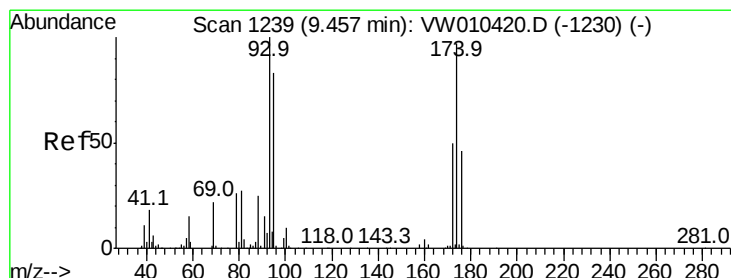
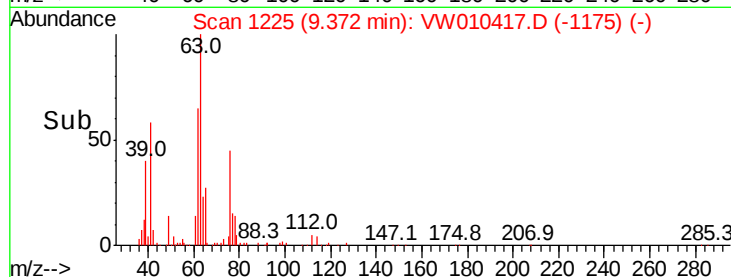
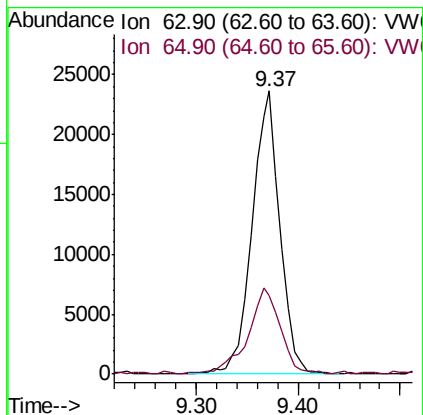
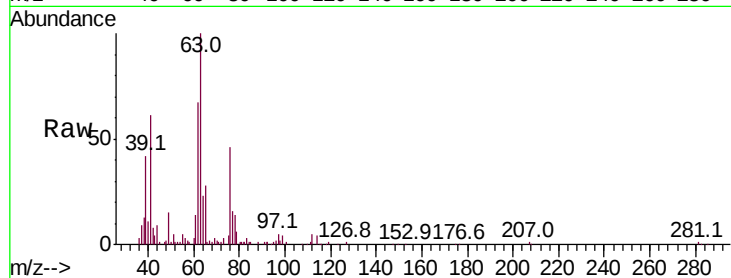
65 26.9 25.4 38.2

Manual Integrations

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#46

Dibromomethane

Concen: 5.060 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

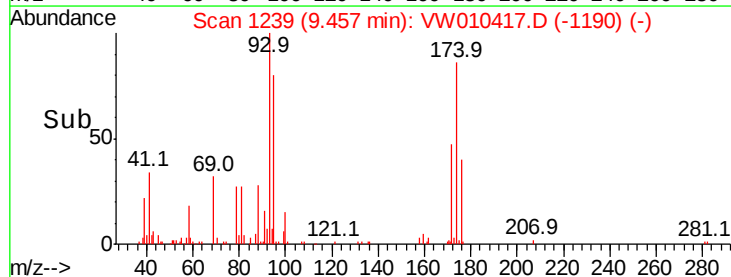
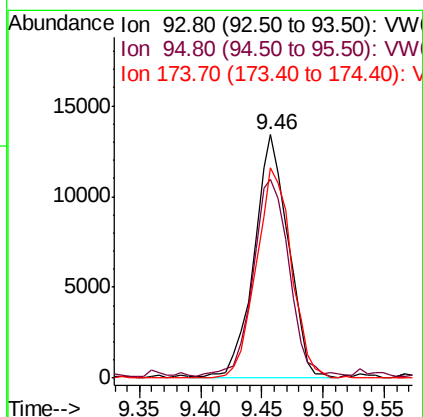
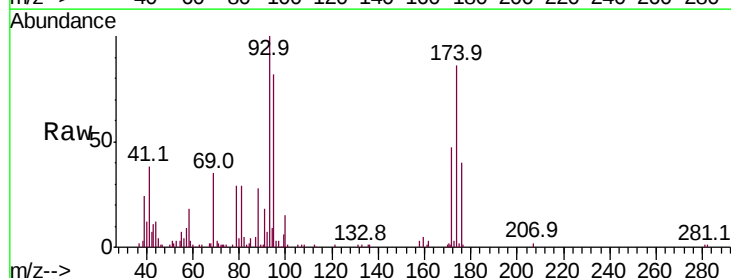
Tgt Ion: 93 Resp: 26209

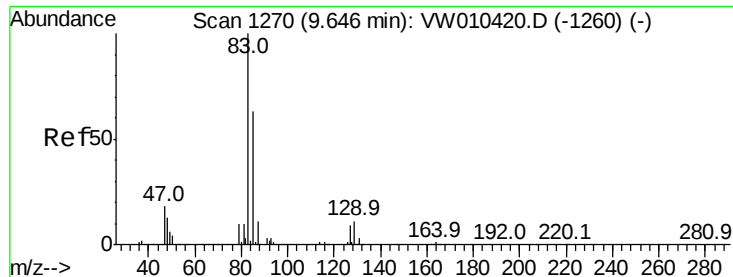
Ion Ratio Lower Upper

93 100

95 85.6 66.6 100.0

174 88.8 76.4 114.6





#47

Bromodichloromethane

Concen: 5.172 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

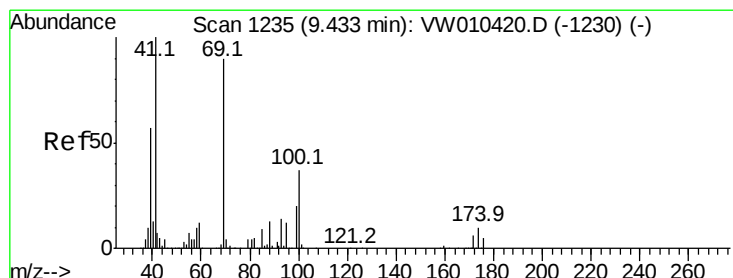
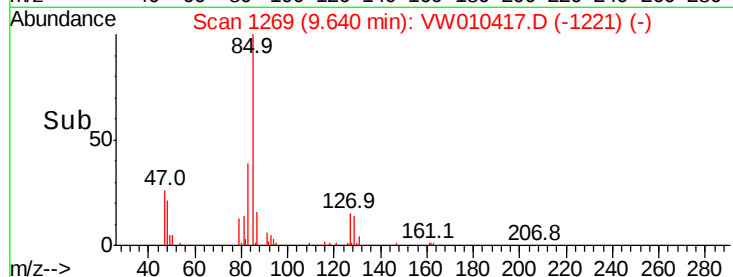
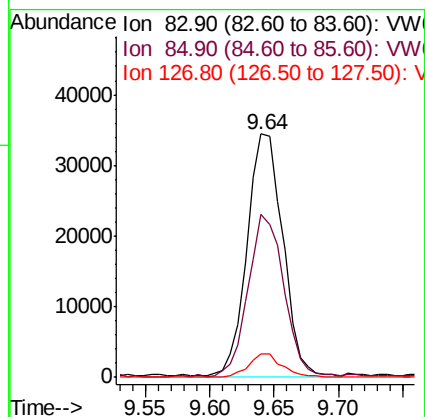
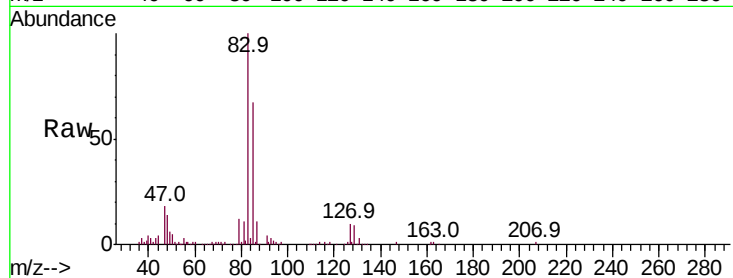
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	65687
Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.0	75.0
127	9.6	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.793 ug/l

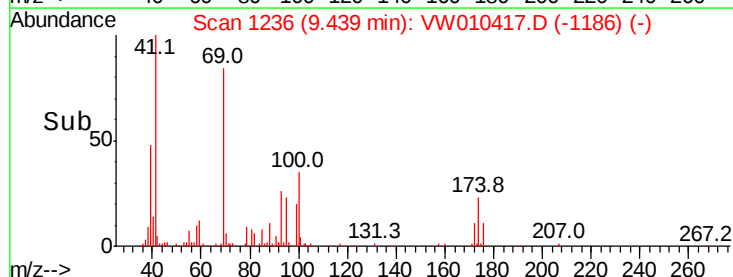
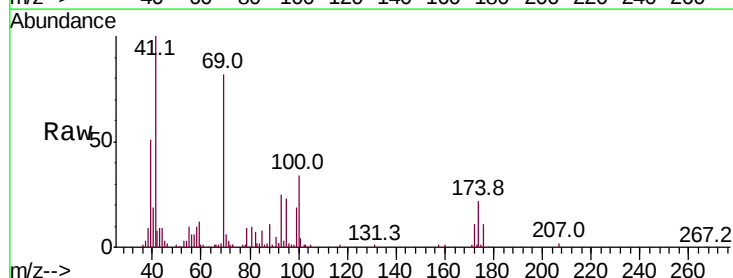
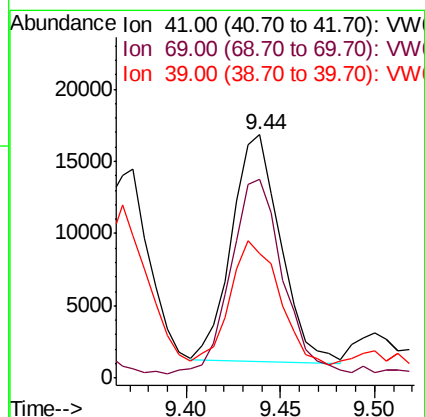
RT: 9.44 min Scan# 1236

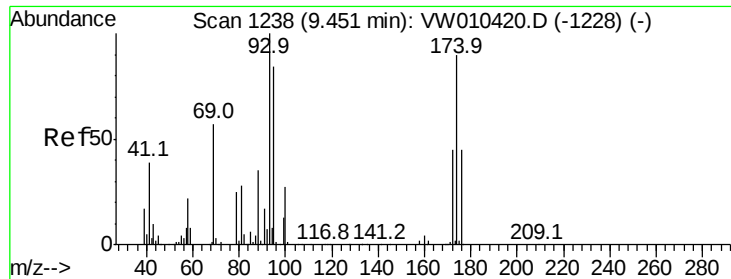
Delta R.T. 0.01 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Tgt Ion:	41	Resp:	28051
Ion	Ratio	Lower	Upper
41	100		
69	90.8	75.2	112.8
39	63.6	46.8	70.2





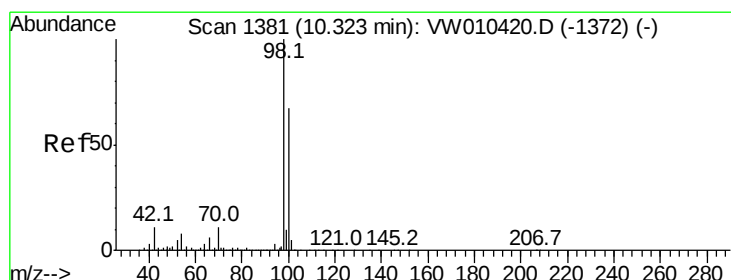
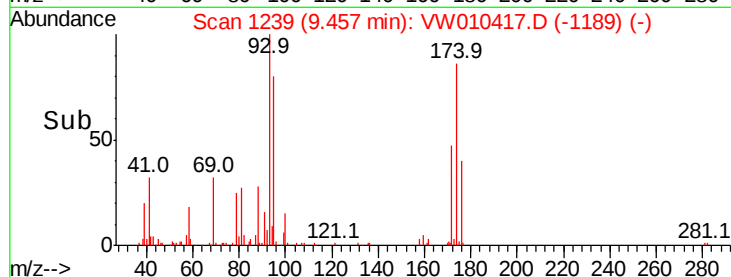
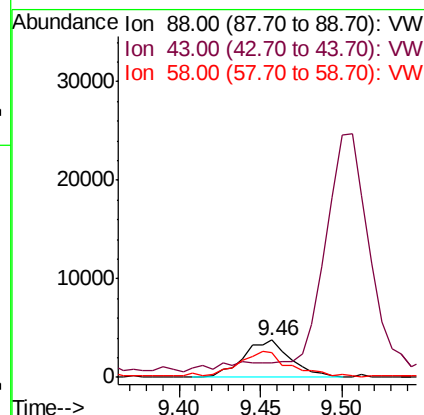
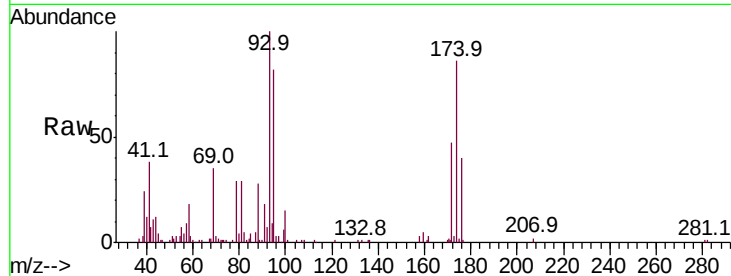
#49
1,4-Dioxane
Concen: 83.330 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.9	37.3#
58	74.6	55.0	82.6

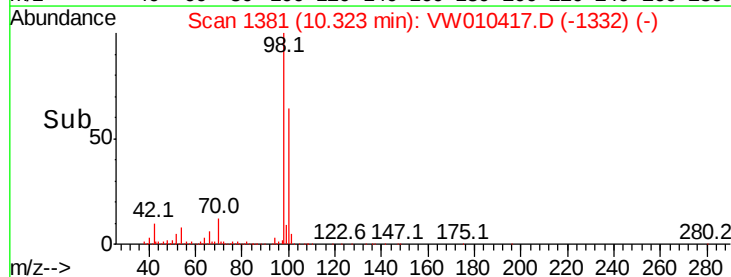
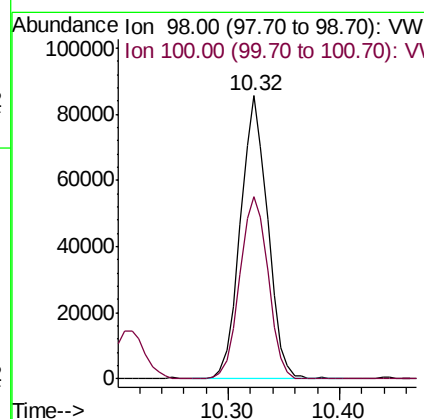
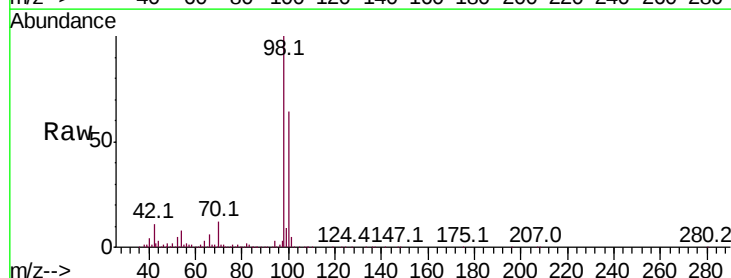
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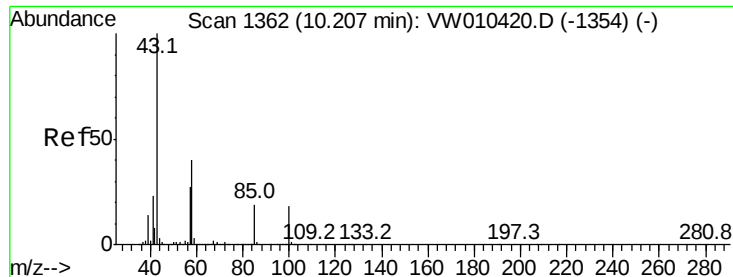
MMDadoda
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#50
Toluene-d8
Concen: 4.463 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 23.406 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 154273

Ion Ratio Lower Upper

43 100

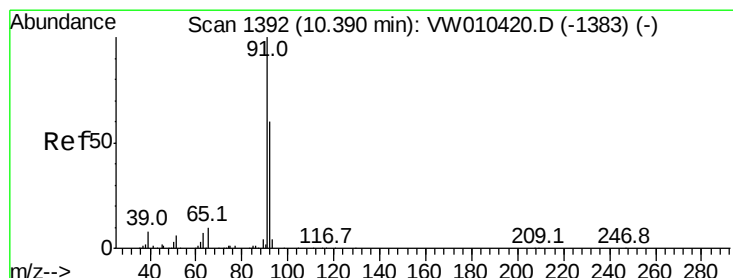
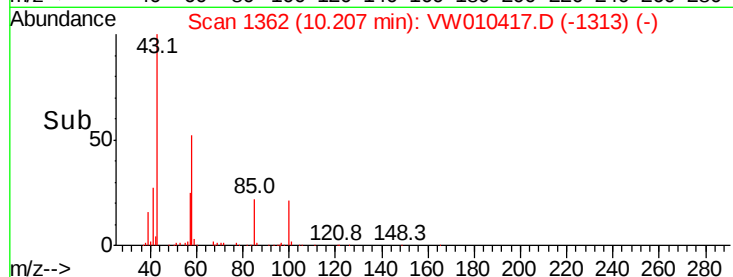
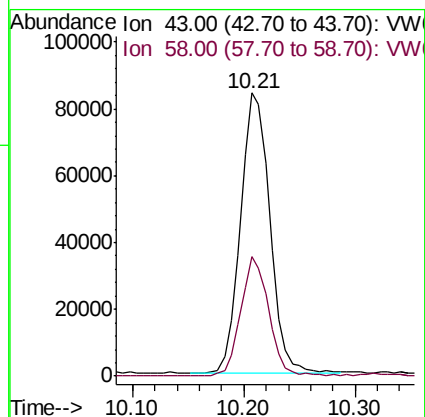
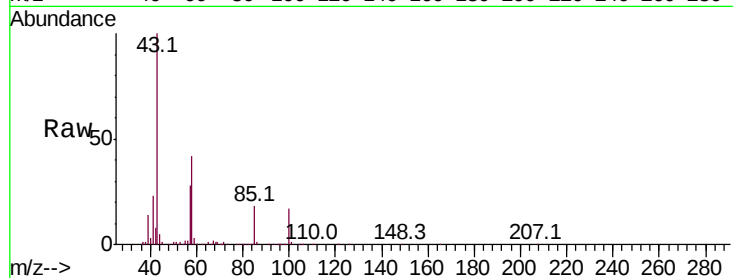
58 40.6 32.7 49.1

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#52

Toluene

Concen: 5.235 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010417.D

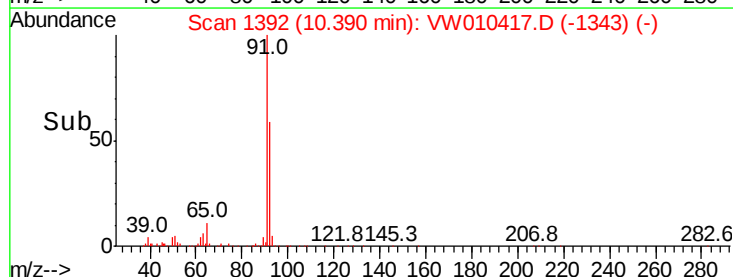
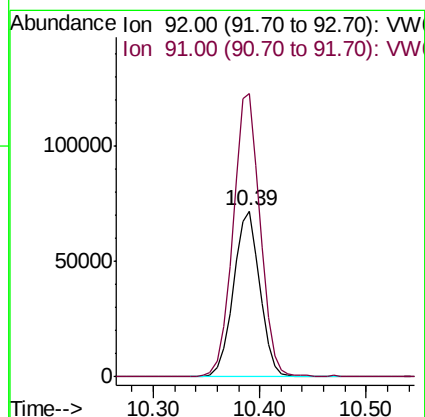
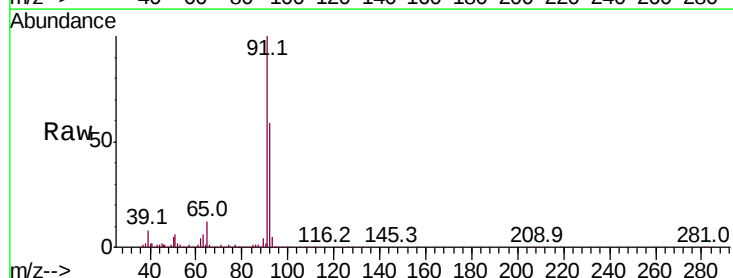
Acq: 17 May 2019 17:05

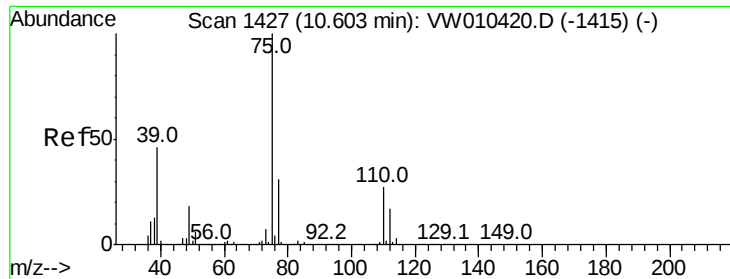
Tgt Ion: 92 Resp: 125074

Ion Ratio Lower Upper

92 100

91 173.4 135.4 203.0





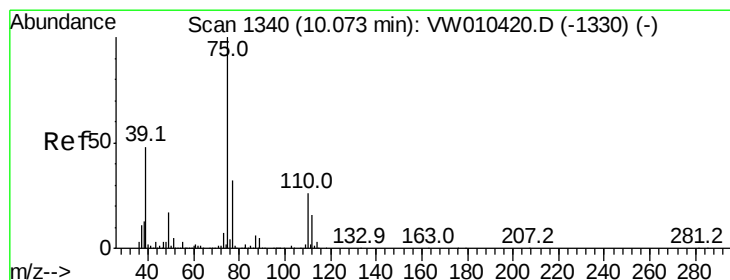
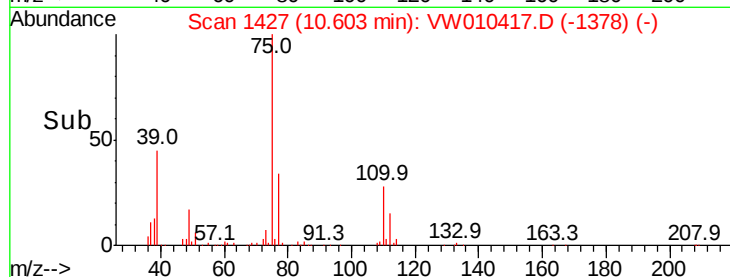
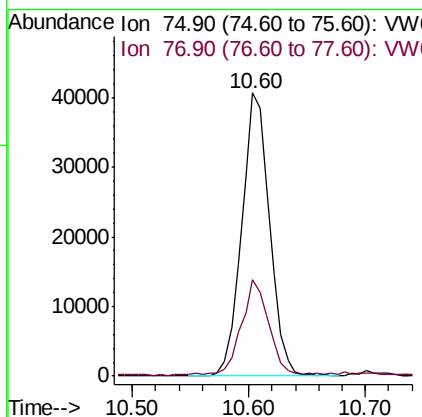
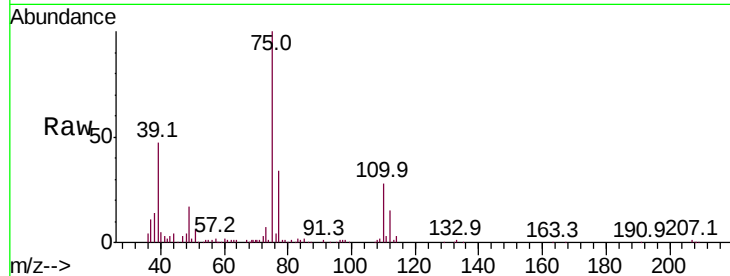
#53
 t-1,3-Dichloropropene
 Concen: 5.083 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.6	24.6	37.0

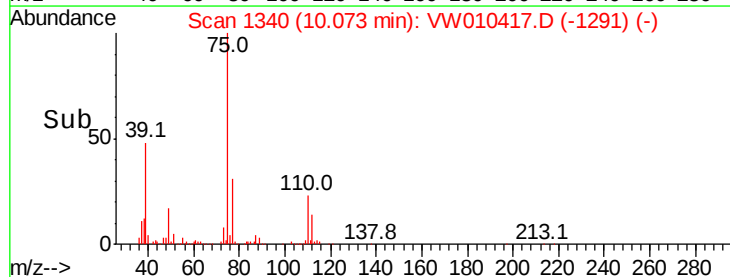
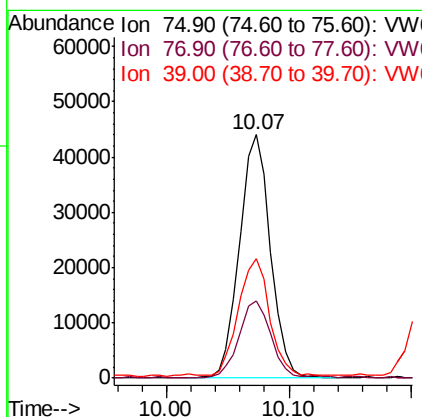
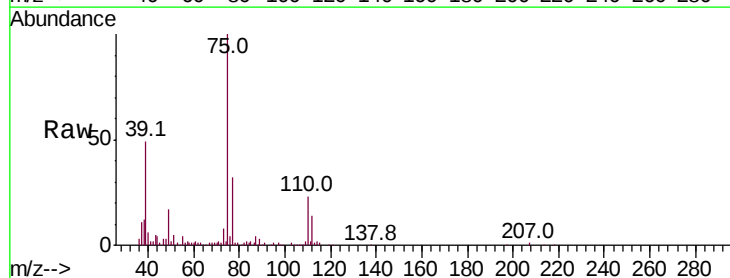
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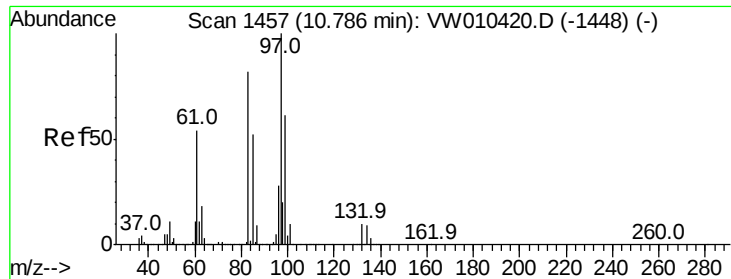
MMDadoda
 5/20/2019 12:15:53 PM



#54
 cis-1,3-Dichloropropene
 Concen: 5.112 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	47.7	38.1	57.1





#55

1,1,2-Trichloroethane

Concen: 5.180 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

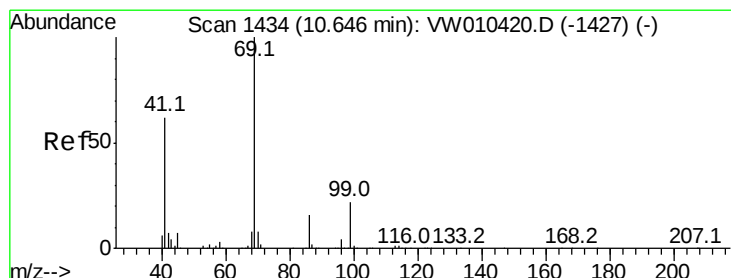
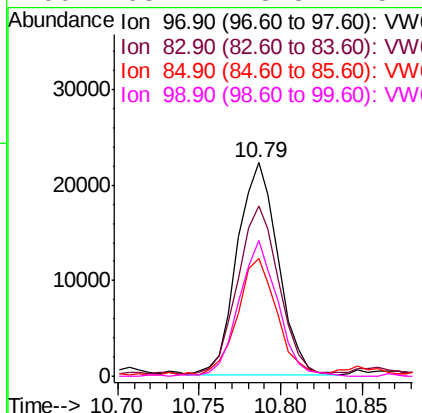
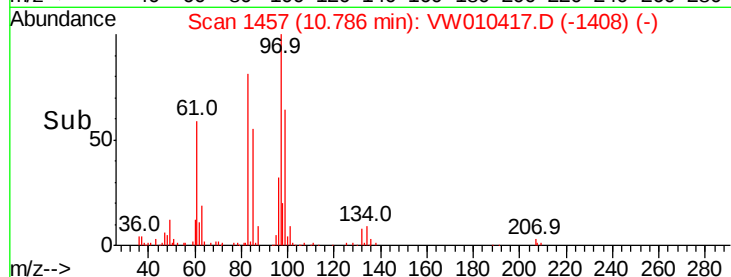
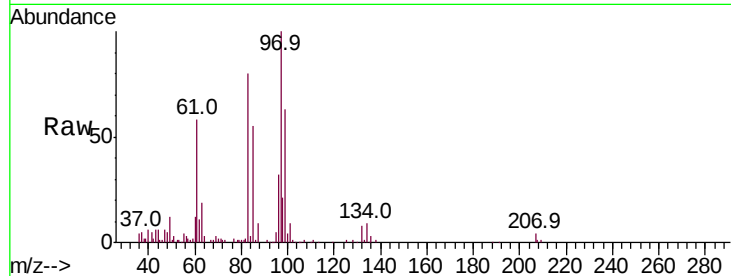
ClientSampleId :

VSTDIC005

Tot Ion	97	Resp	38791
Ion Ratio	Lower	Upper	
97	100		
83	79.0	65.6	98.4
85	53.5	41.6	62.4
99	63.1	48.8	73.2

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#56

Ethyl methacrylate

Concen: 4.878 ug/l

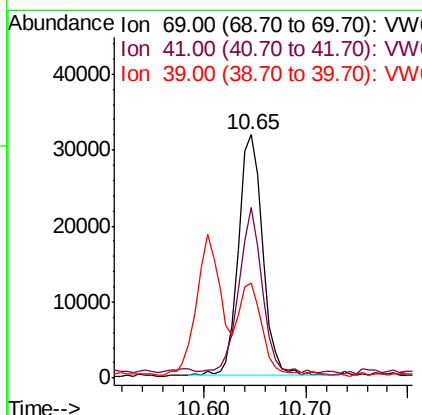
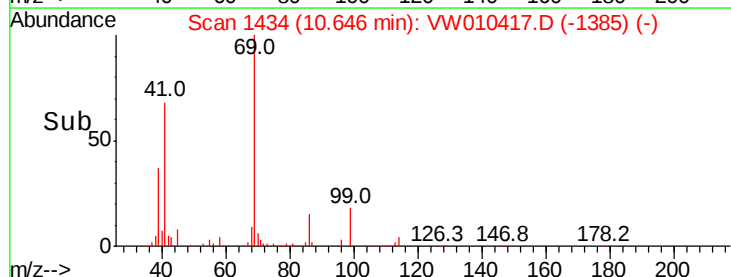
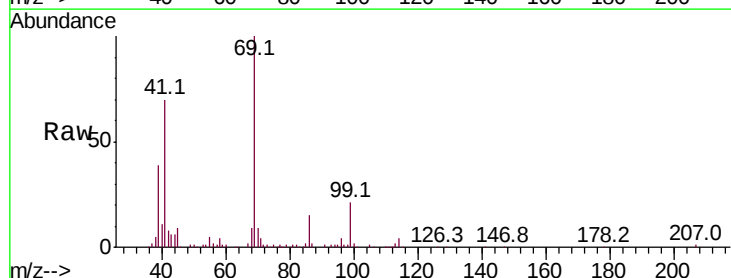
RT: 10.65 min Scan# 1434

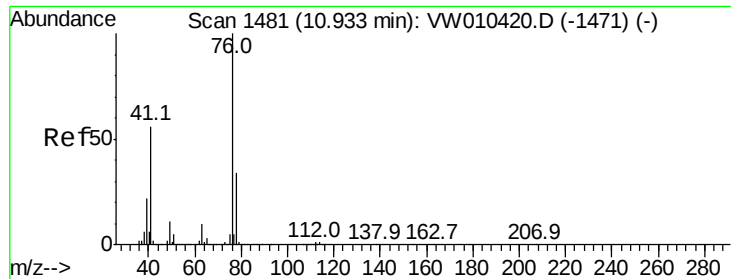
Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Tgt Ion	69	Resp	51869
Ion Ratio	Lower	Upper	
69	100		
41	65.6	50.0	75.0
39	34.5	26.5	39.7





#57

1,3-Dichloropropane

Concen: 5.084 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

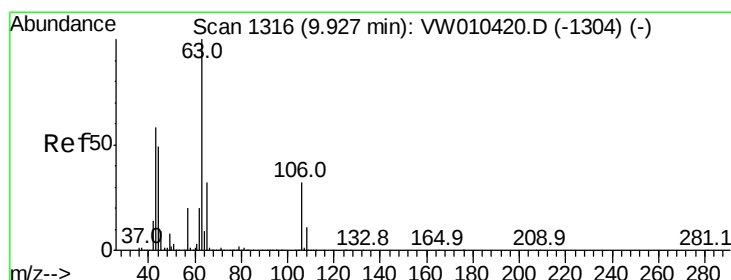
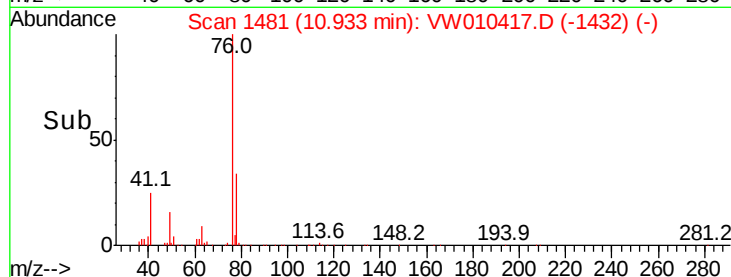
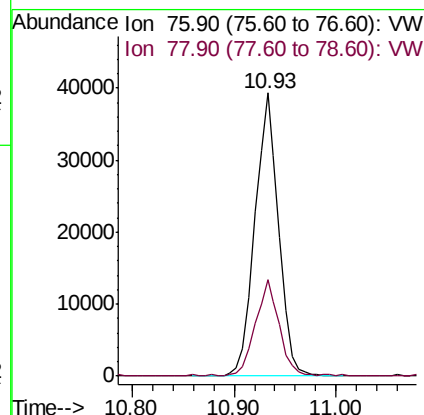
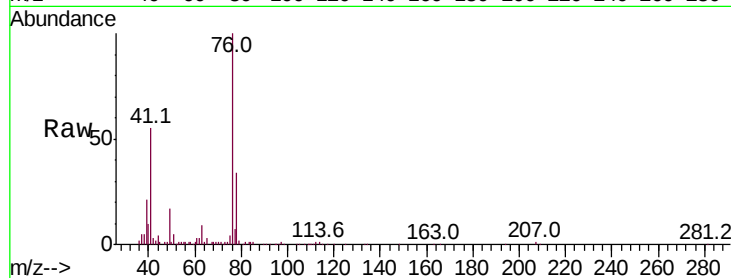
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 63681

Ion	Ratio	Lower	Upper
76	100		
78	34.6	25.8	38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 23.827 ug/l

RT: 9.92 min Scan# 1315

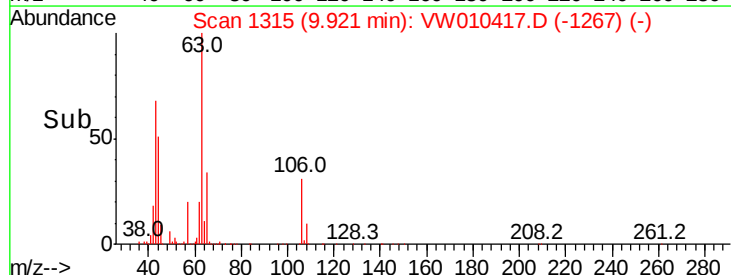
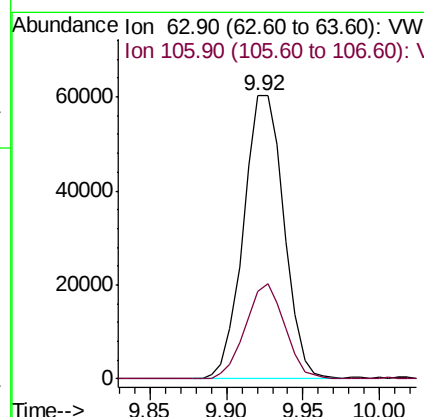
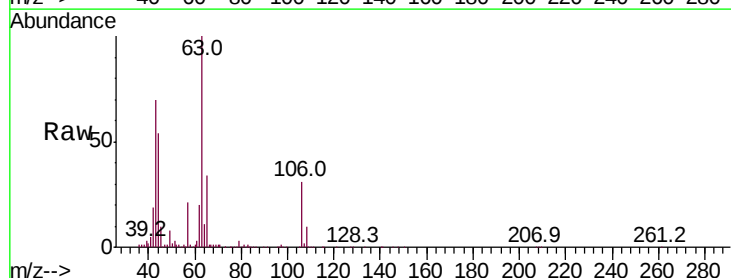
Delta R.T. -0.01 min

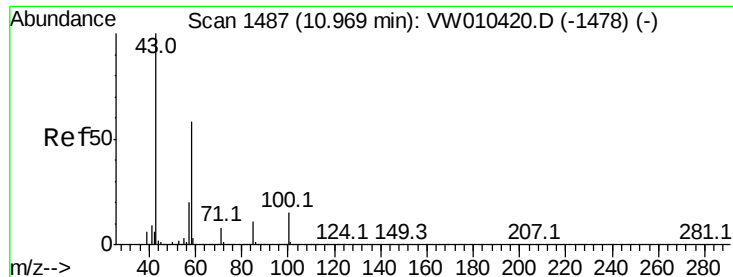
Lab File: VW010417.D

Acq: 17 May 2019 17:05

Tgt Ion: 63 Resp: 111053

Ion	Ratio	Lower	Upper
63	100		
106	32.7	25.2	37.8





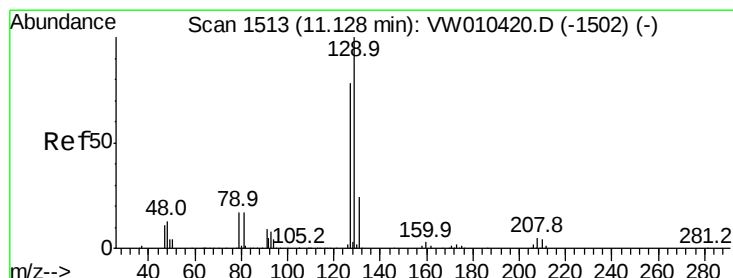
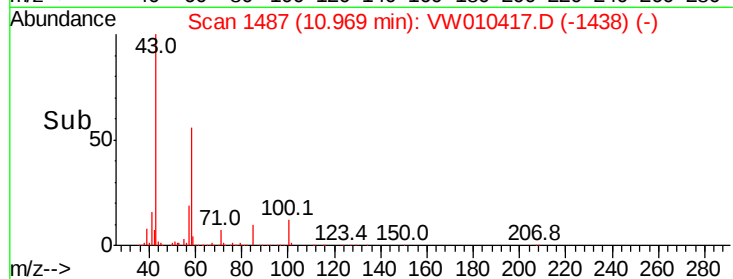
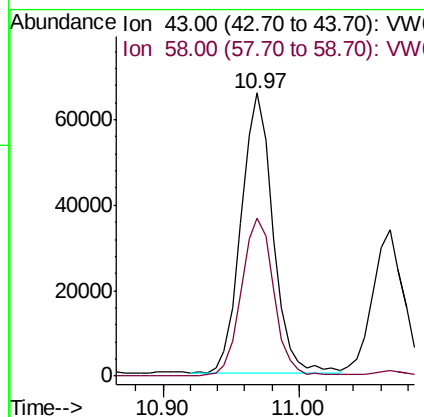
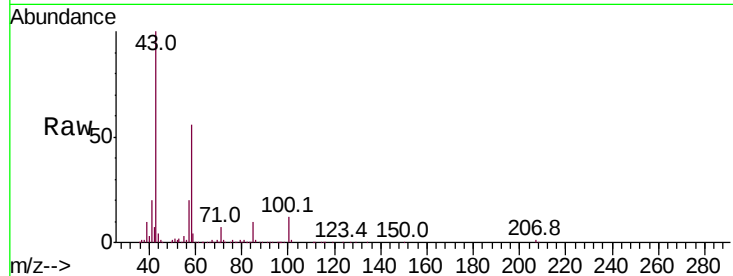
#59
2-Hexanone
Concen: 23.038 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.2	28.5	85.6

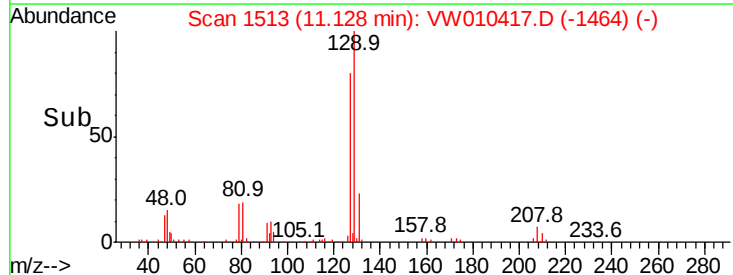
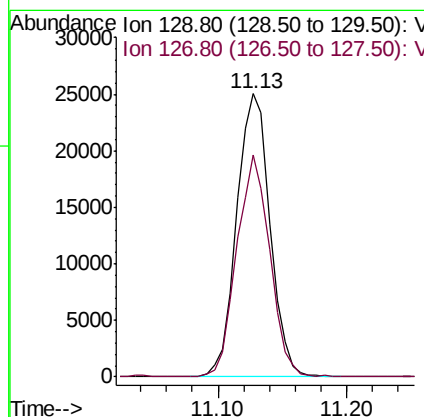
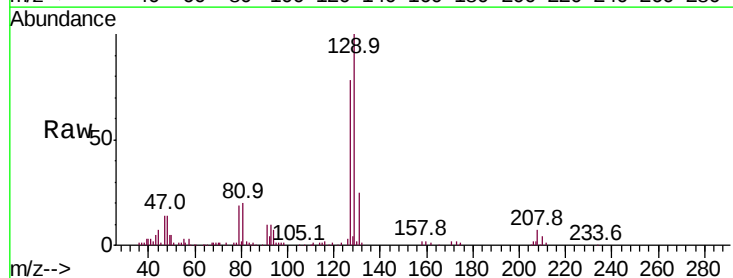
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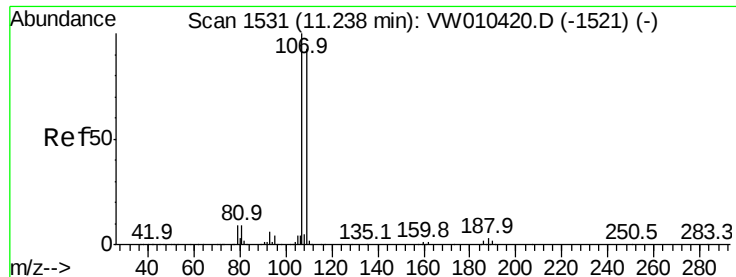
MMDadoda
5/20/2019 12:15:53 PM



#60
Dibromochloromethane
Concen: 4.798 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.0	116.9





#61

1,2-Dibromoethane

Concen: 5.033 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 38037

Ion Ratio Lower Upper

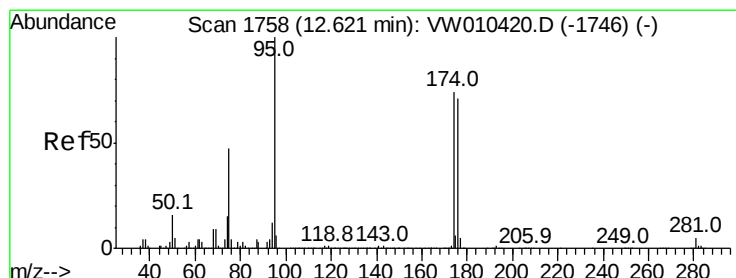
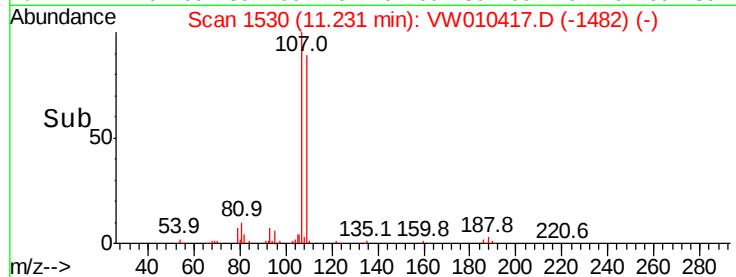
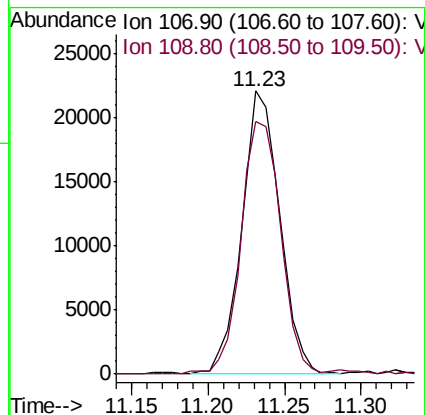
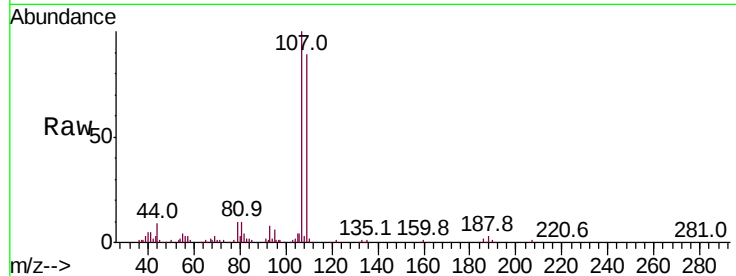
107 100

109 93.4 74.8 112.2

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#62

4-Bromofluorobenzene

Concen: 5.037 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

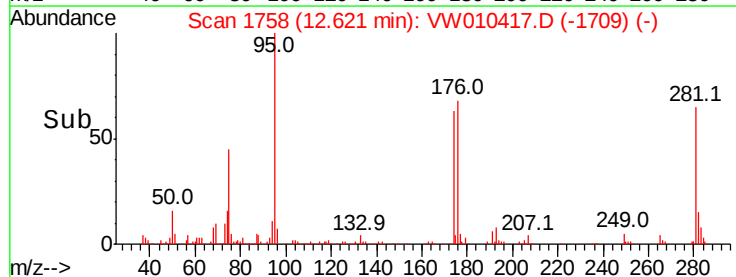
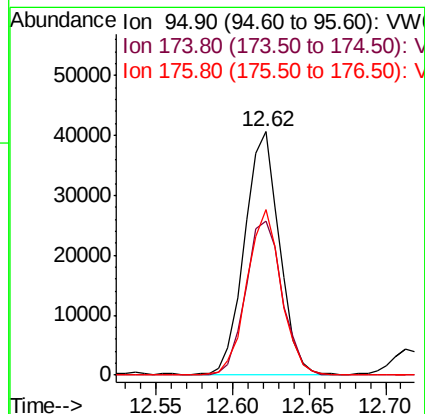
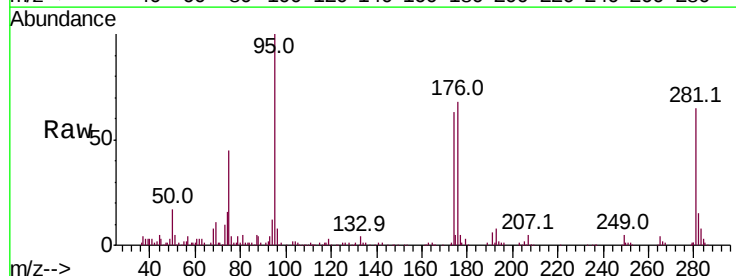
Tgt Ion: 95 Resp: 63982

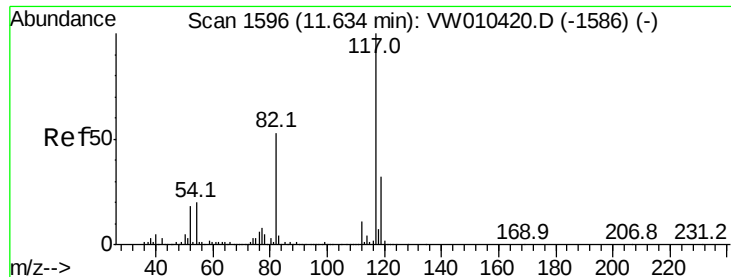
Ion Ratio Lower Upper

95 100

174 66.8 0.0 146.6

176 67.0 0.0 141.4





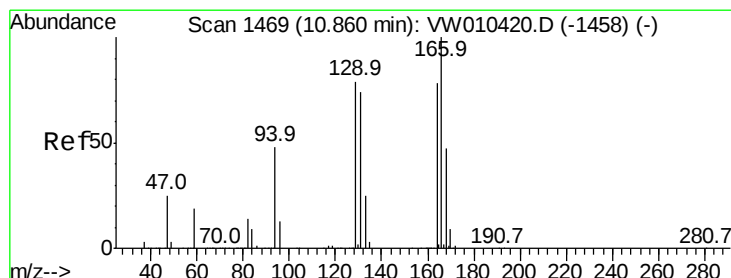
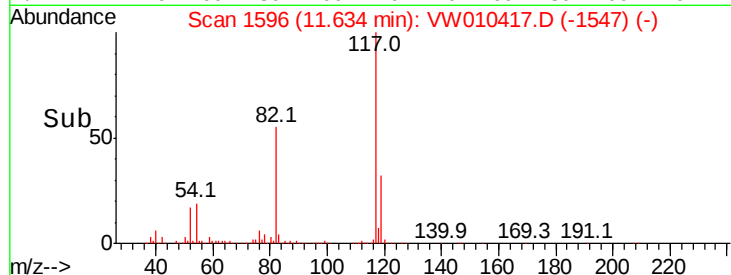
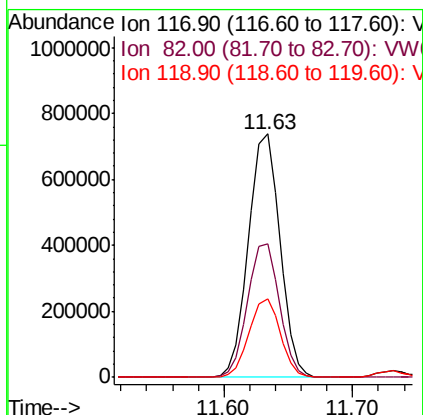
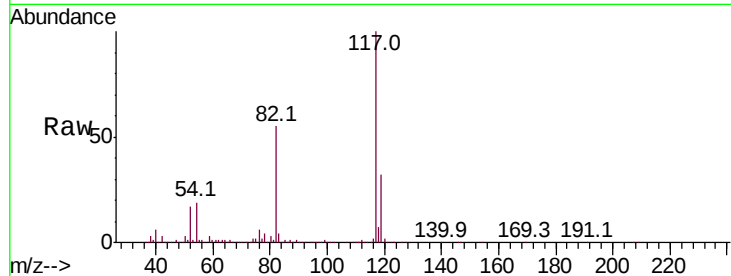
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.1	63.1
119	32.1	25.6	38.4

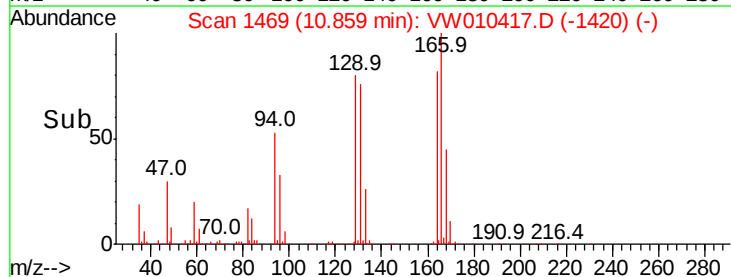
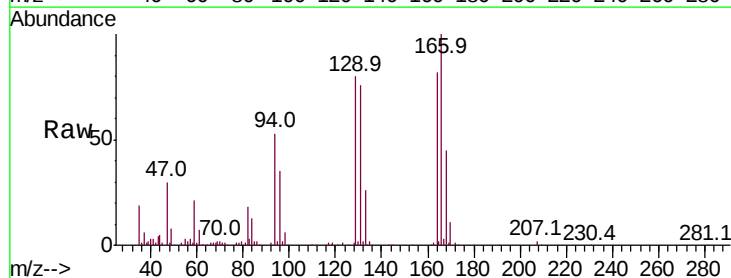
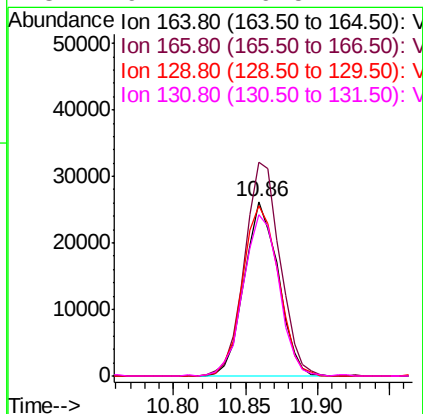
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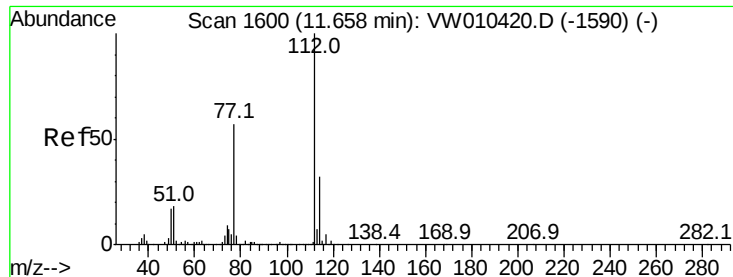
MMDadoda
5/20/2019 12:15:53 PM



#64
Tetrachloroethene
Concen: 5.177 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.6	103.2	154.8
129	97.7	81.6	122.4
131	92.2	76.5	114.7





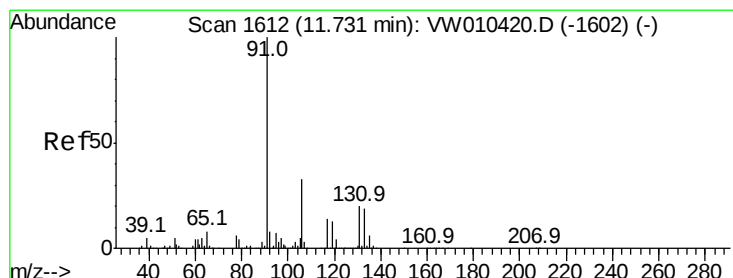
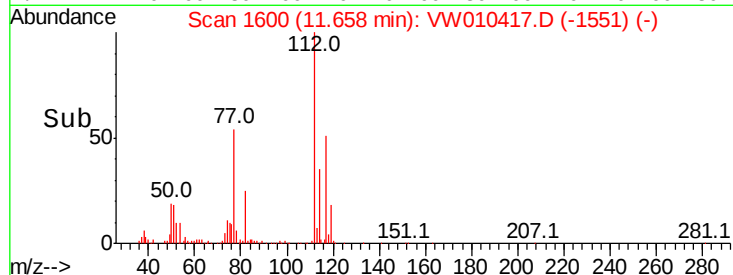
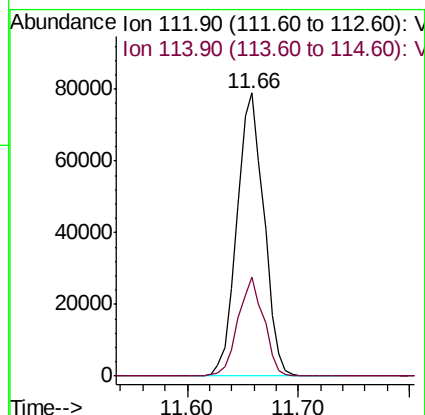
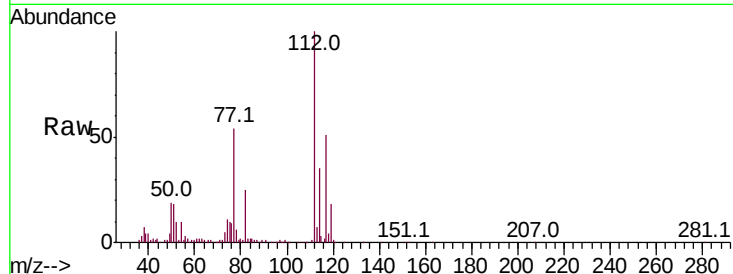
#65
Chlorobenzene
Concen: 5.350 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.8	25.8	38.6

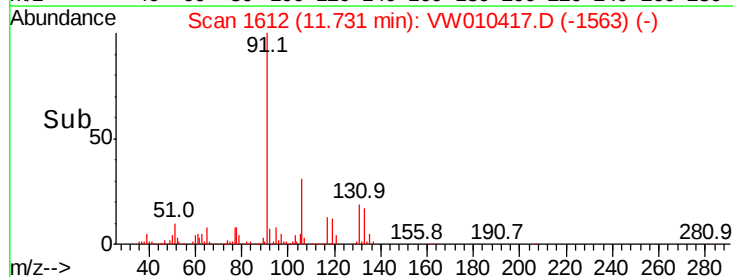
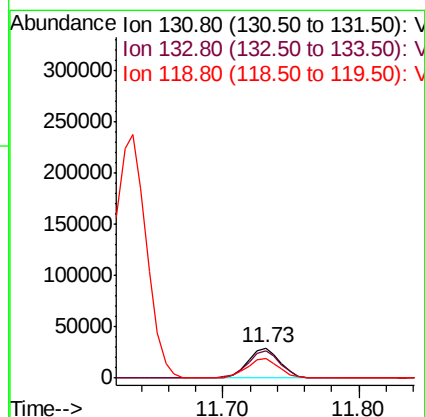
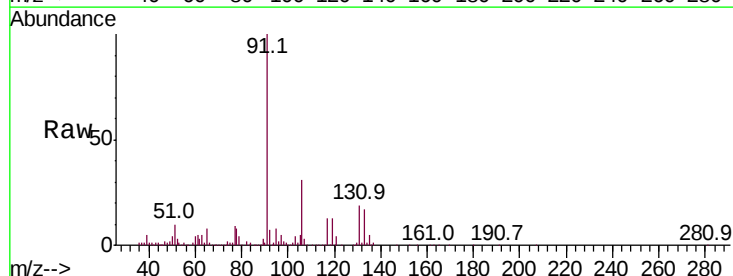
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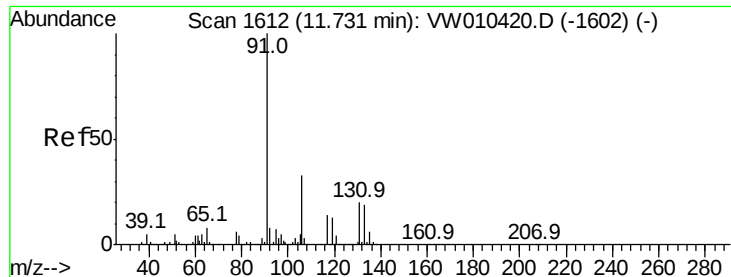
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.274 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.3	144.8
119	66.7	32.4	97.0





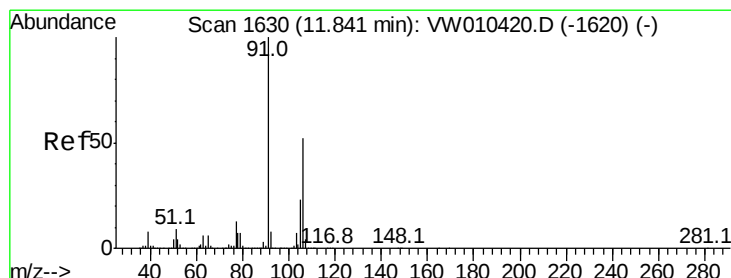
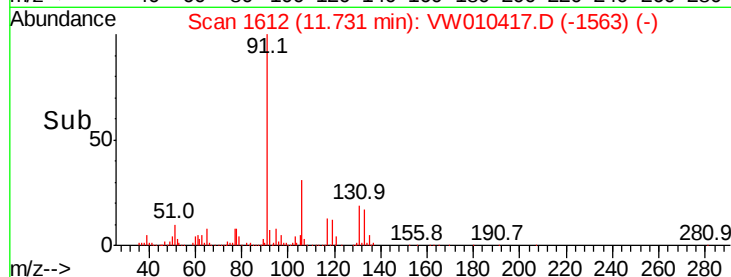
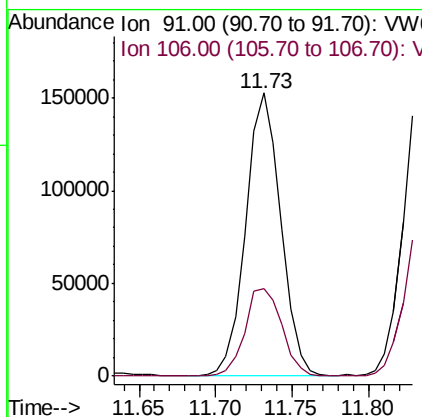
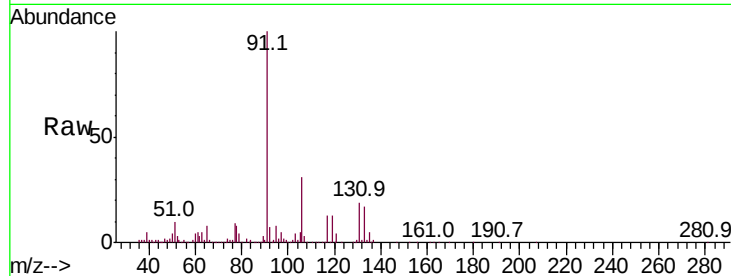
#67
Ethyl Benzene
Concen: 5.504 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 242189
Ion Ratio Lower Upper
91 100
106 30.8 26.5 39.7

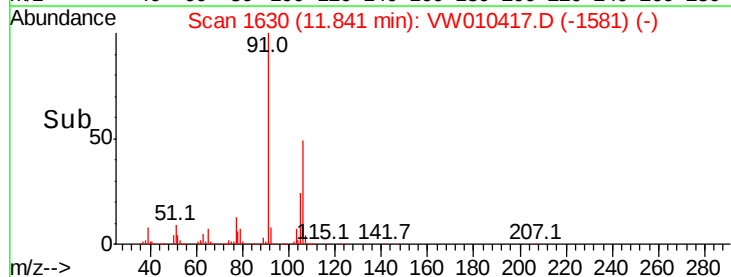
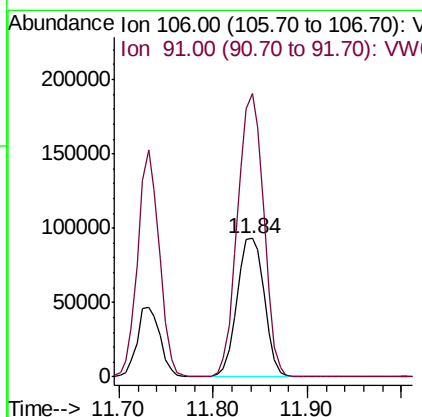
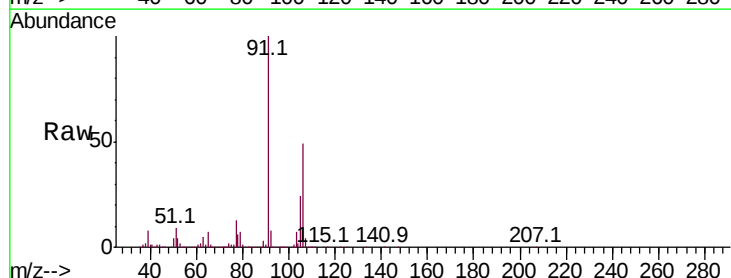
Manual Integrations
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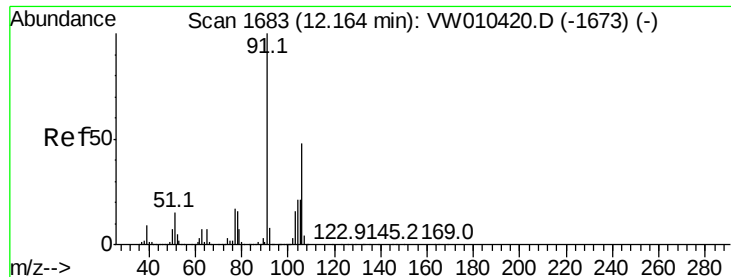
MMDadoda
5/20/2019 12:15:53 PM



#68
m/p-Xylenes
Concen: 10.947 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion: 106 Resp: 188482
Ion Ratio Lower Upper
106 100
91 195.9 156.2 234.2





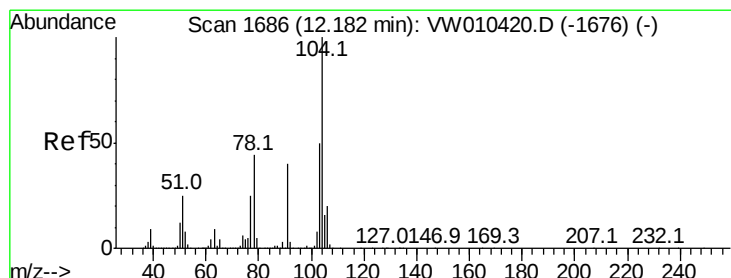
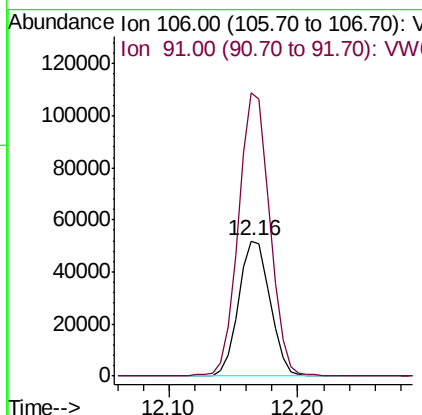
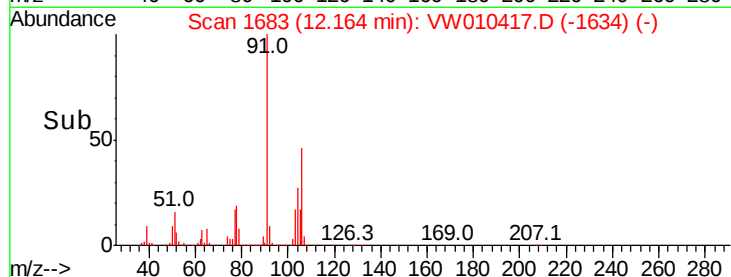
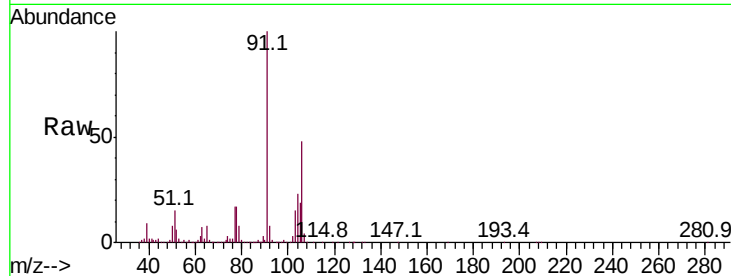
#69
o-Xylene
Concen: 5.283 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 87678
Ion Ratio Lower Upper
106 100
91 207.7 102.5 307.5

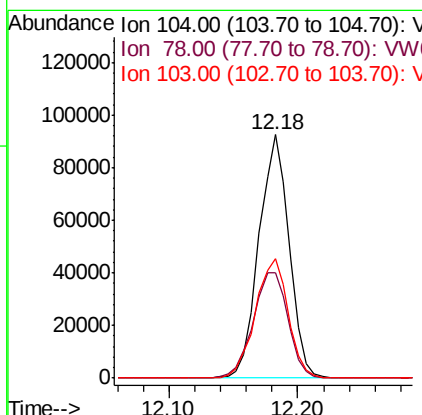
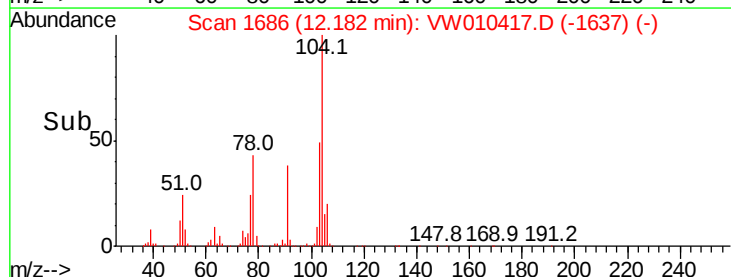
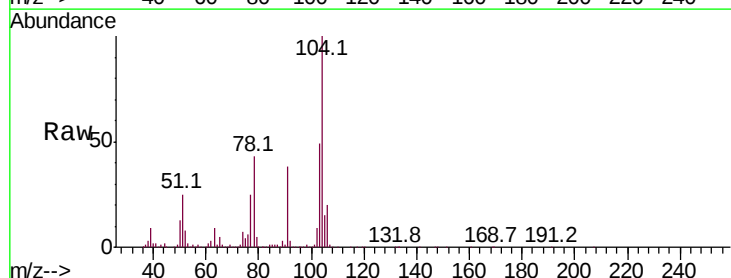
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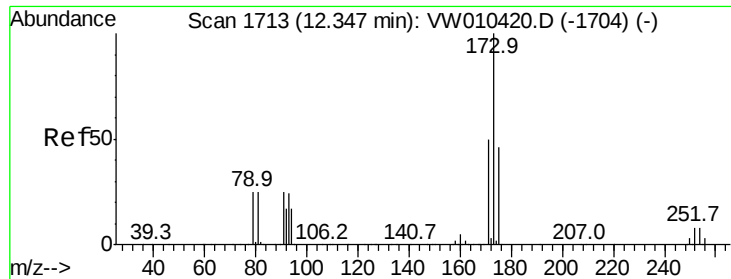
MMDadoda
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#70
Styrene
Concen: 5.194 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion:104 Resp: 149831
Ion Ratio Lower Upper
104 100
78 50.5 39.4 59.0
103 53.6 43.4 65.0





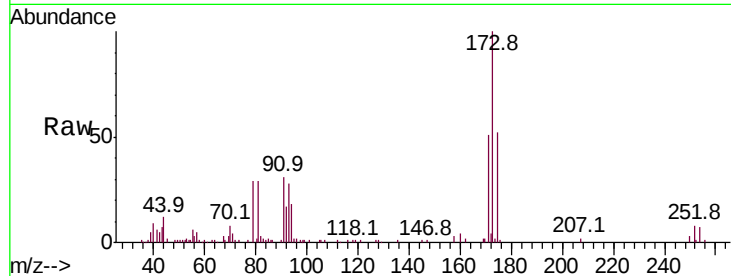
#71
Bromoform
Concen: 4.755 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.8	71.2
254	0.0	0.2	0.2

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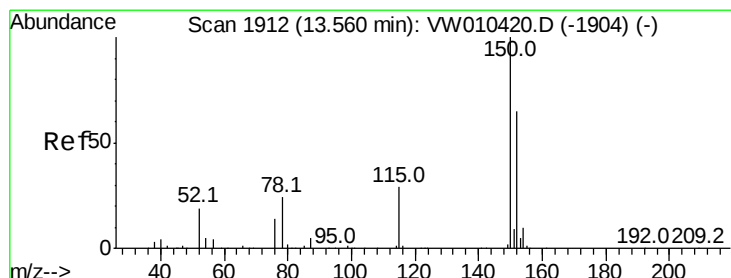
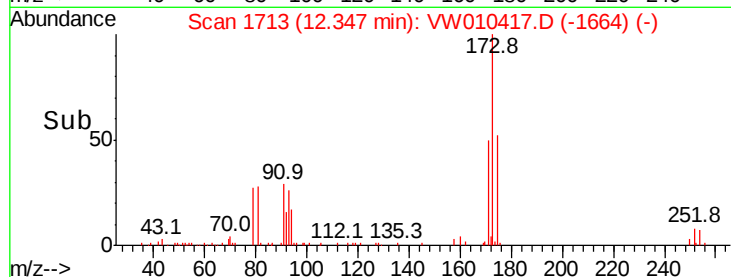
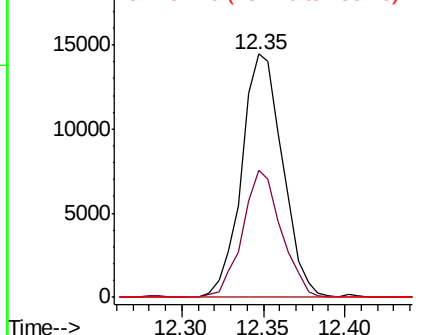


Abundance

Ion 172.70 (172.40 to 173.40): V

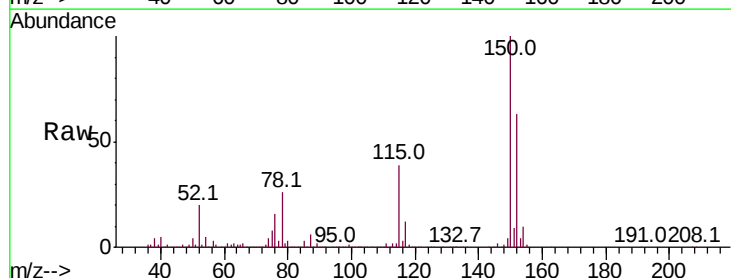
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	30.0	90.1
150	160.4	0.0	350.2

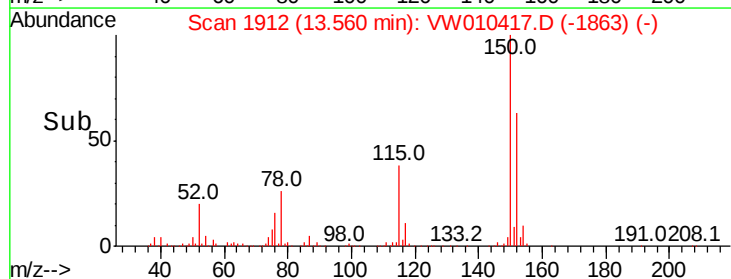
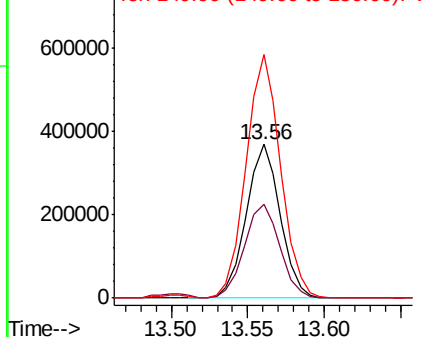


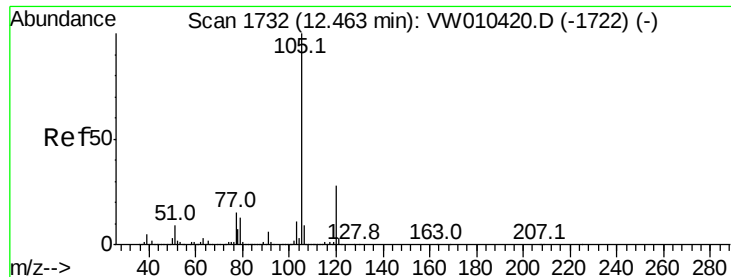
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.797 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 240812

Ion Ratio Lower Upper

105 100

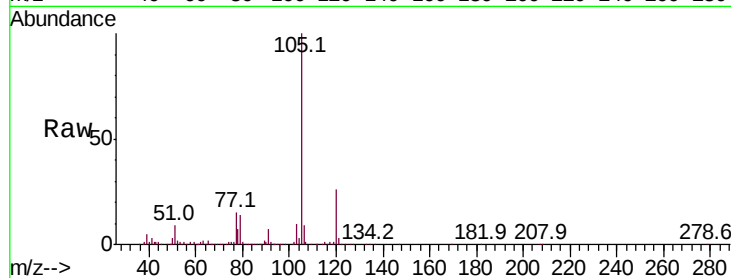
120 27.4 13.9 41.6

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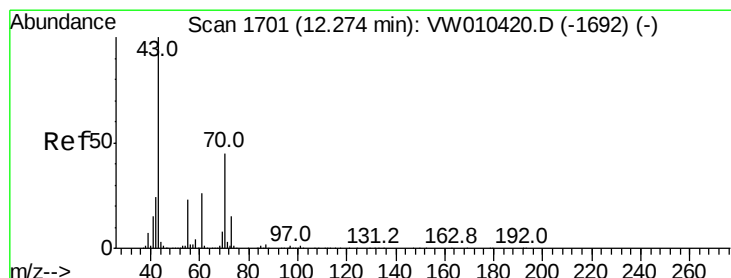
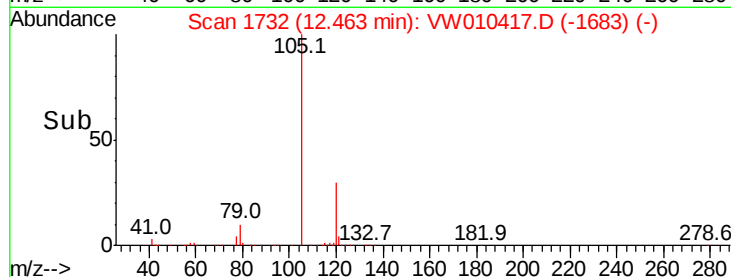
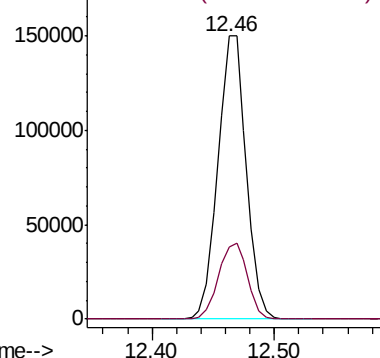
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.657 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Tgt Ion: 43 Resp: 53567

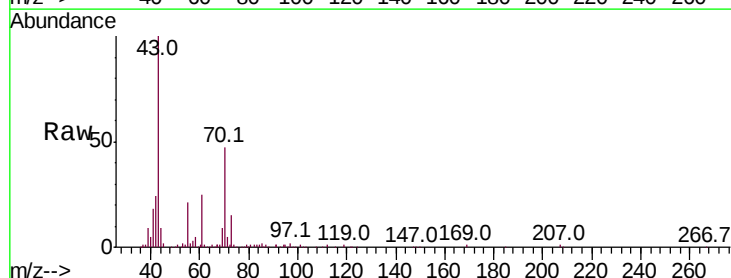
Ion Ratio Lower Upper

43 100

70 45.6 36.4 54.6

55 26.8 19.0 28.6

61 26.4 20.6 31.0

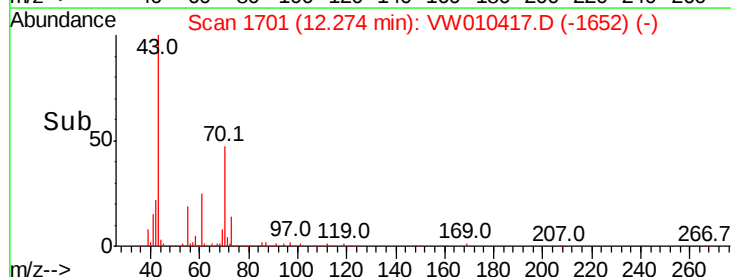
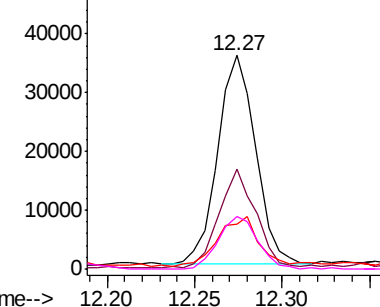


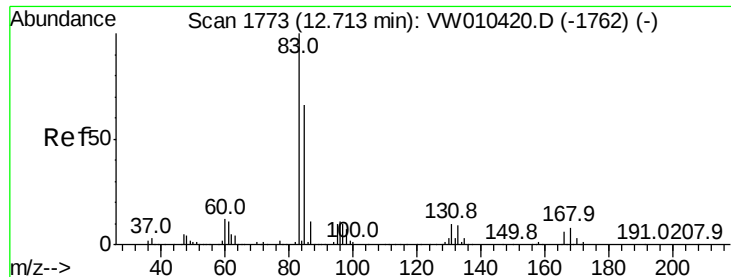
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 5.466 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

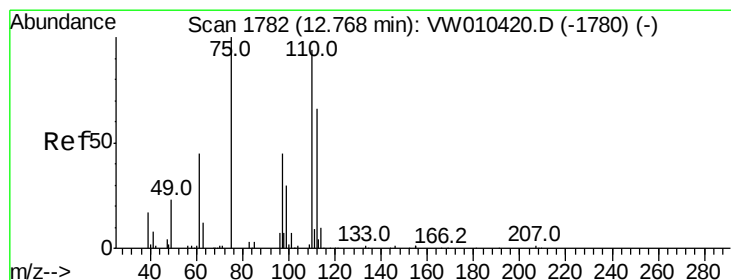
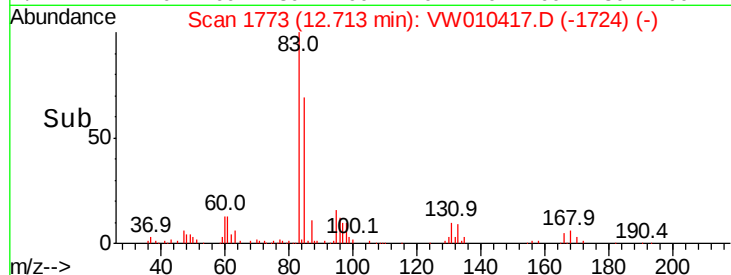
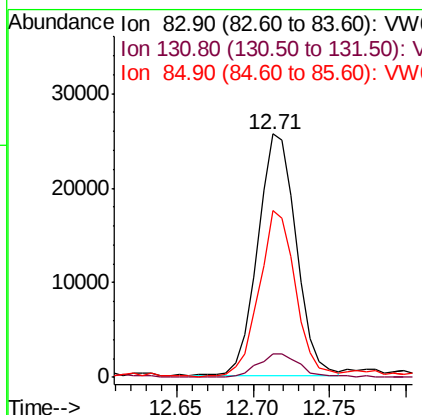
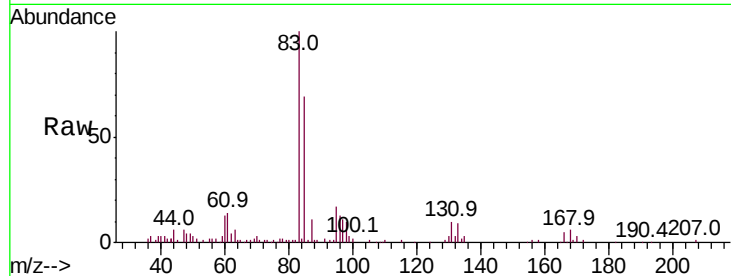
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	44626
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	66.4	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.132 ug/l m

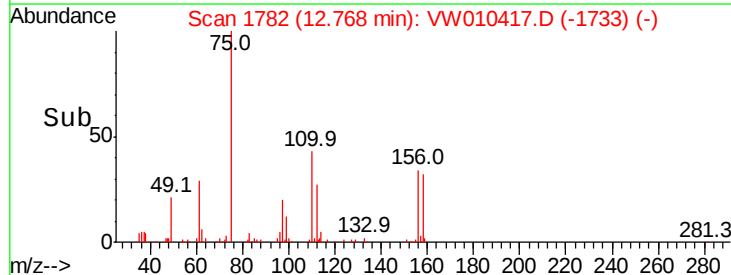
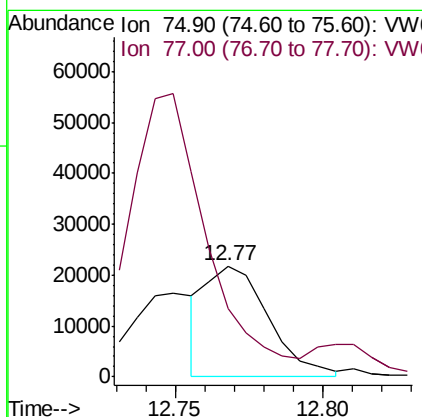
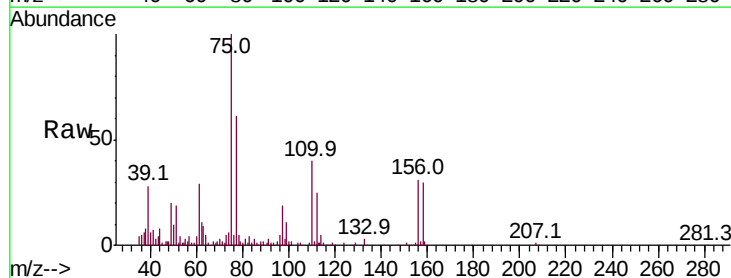
RT: 12.77 min Scan# 1782

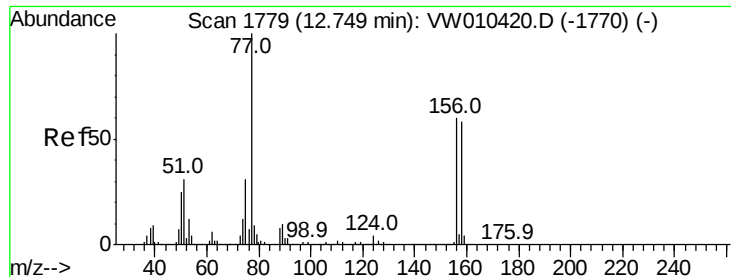
Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Tgt Ion:	75	Resp:	31799
Ion Ratio	Lower	Upper	
75	100		
77	325.6	0.0	0.0#





#77

Bromobenzene

Concen: 5.243 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 50252

Ion Ratio Lower Upper

156 100

77 206.0 95.7 286.9

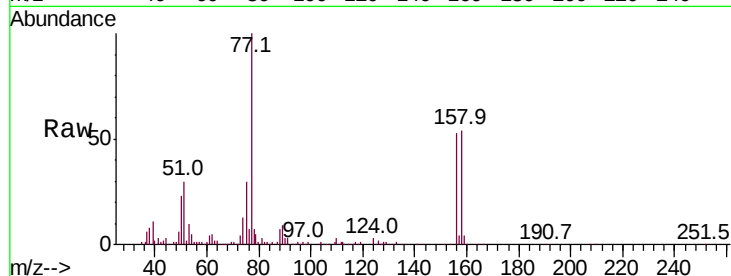
158 101.0 48.9 146.7

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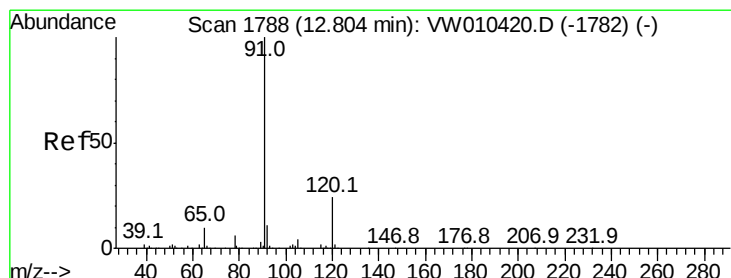
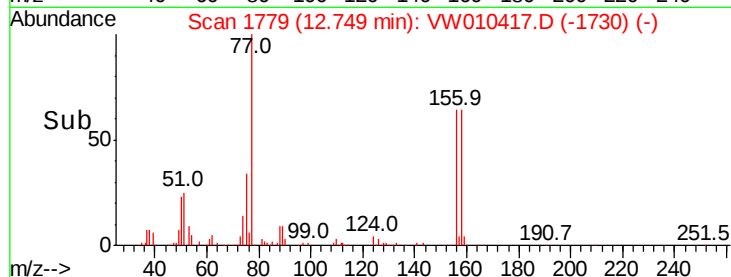
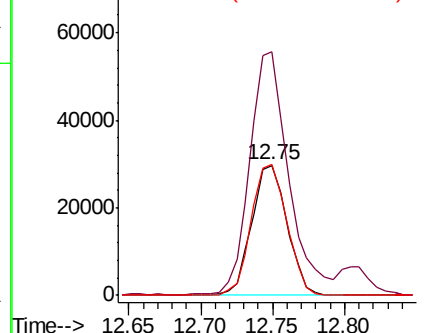
5/20/2019 12:15:53 PM



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: 5.735 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010417.D

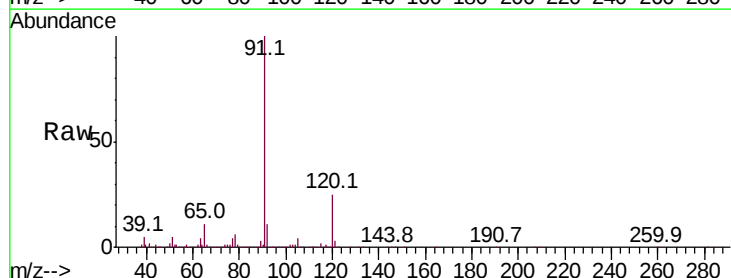
Acq: 17 May 2019 17:05

Tgt Ion: 91 Resp: 278607

Ion Ratio Lower Upper

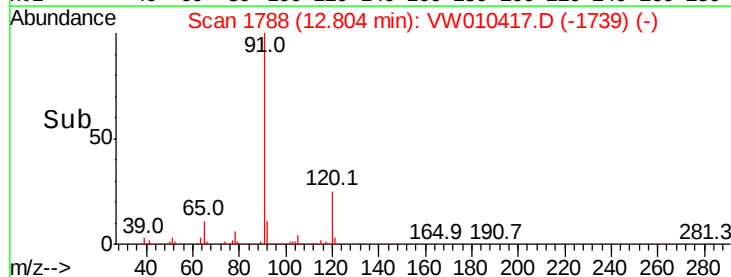
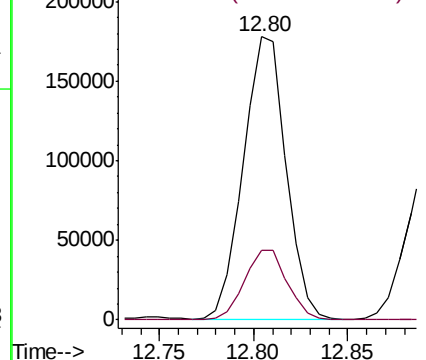
91 100

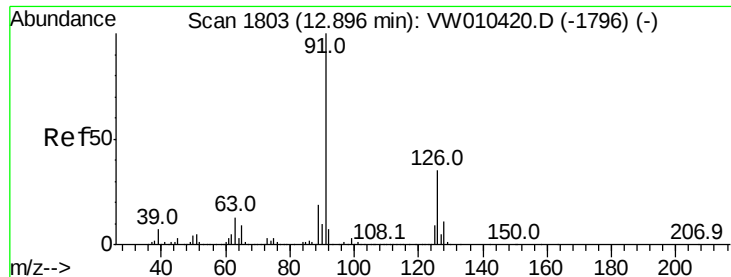
120 24.8 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.741 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 162176

Ion Ratio Lower Upper

91 100

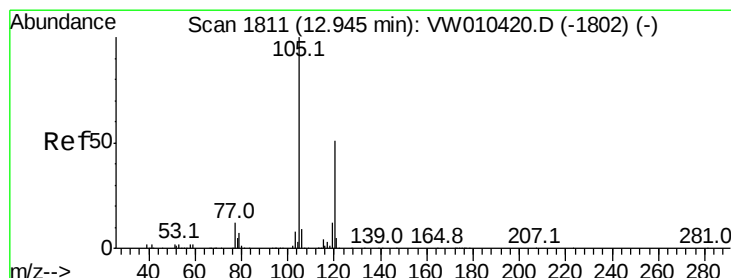
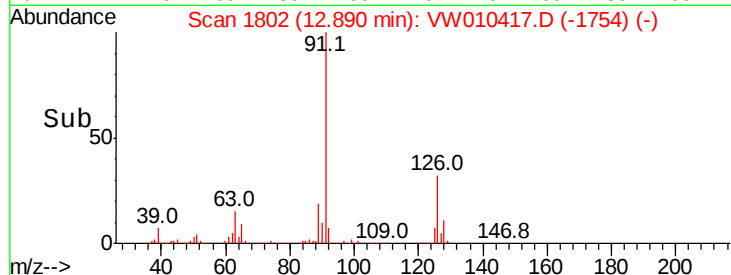
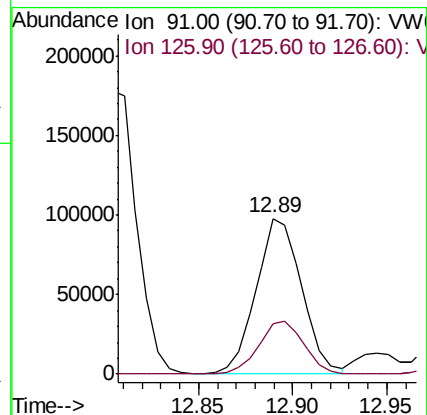
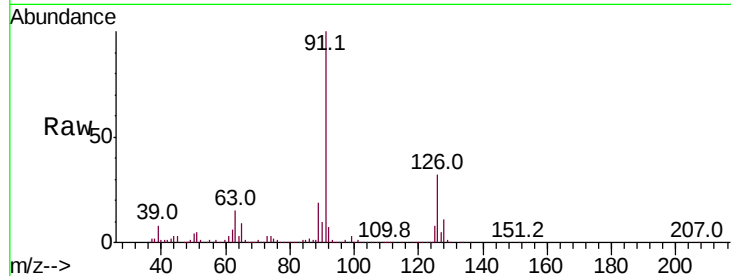
126 34.3 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 5.670 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010417.D

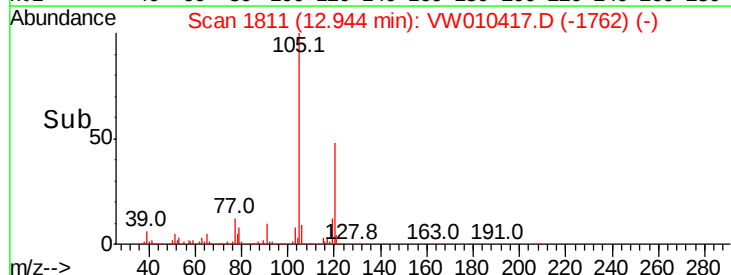
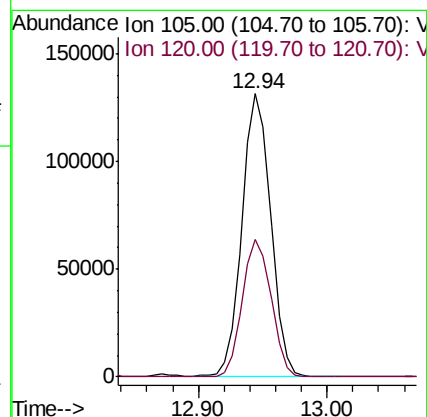
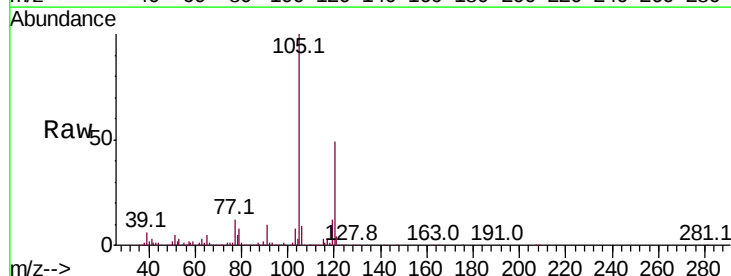
Acq: 17 May 2019 17:05

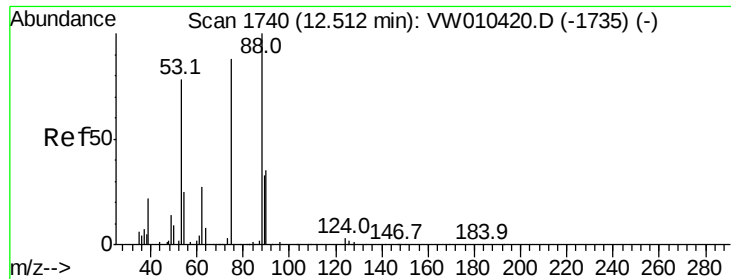
Tgt Ion:105 Resp: 202980

Ion Ratio Lower Upper

105 100

120 48.7 25.1 75.2





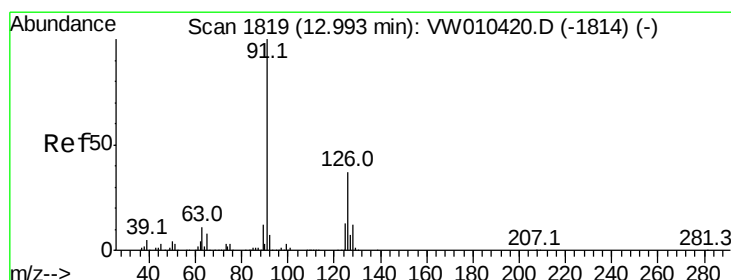
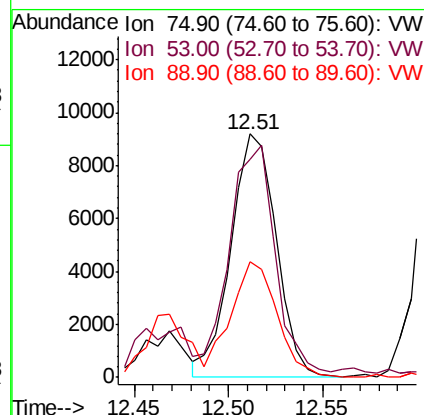
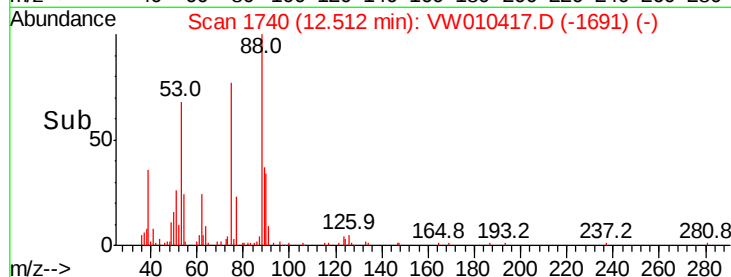
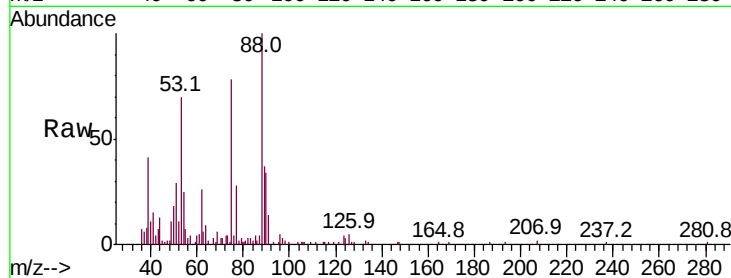
#81
trans-1,4-Dichloro-2-butene
Concen: 5.150 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.2	70.7	106.1
89	48.7	38.6	58.0

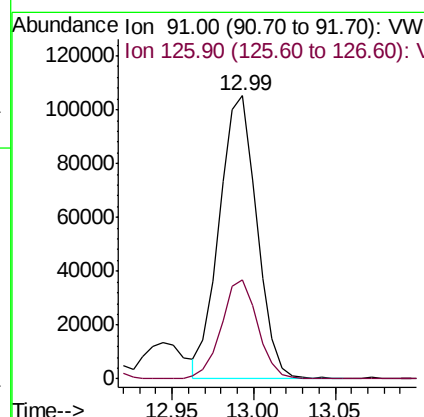
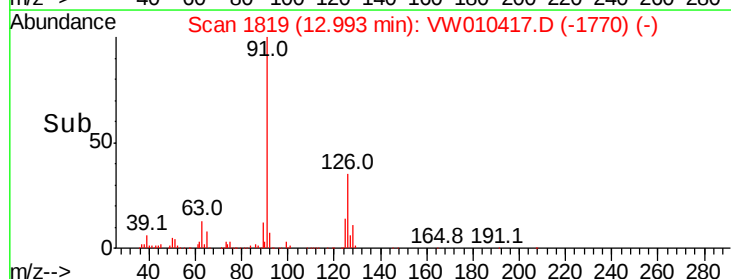
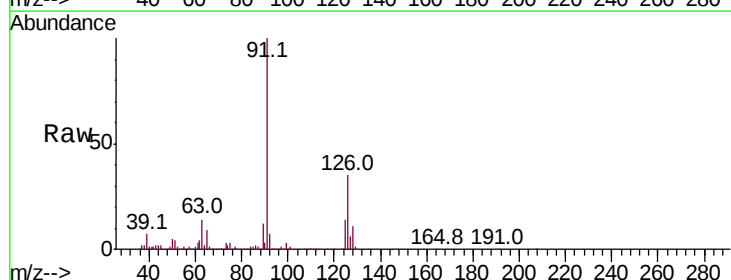
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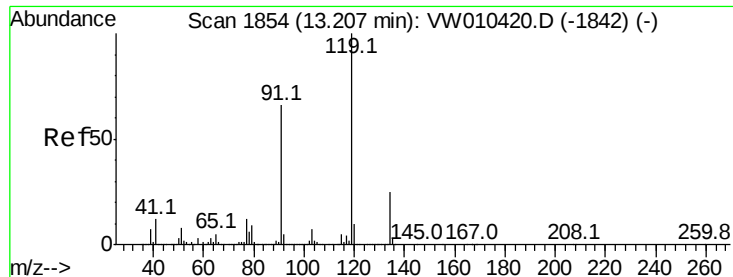
MMDadoda
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#82
4-Chlorotoluene
Concen: 5.634 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.4	52.2





#83

tert-Butylbenzene

Concen: 5.754 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

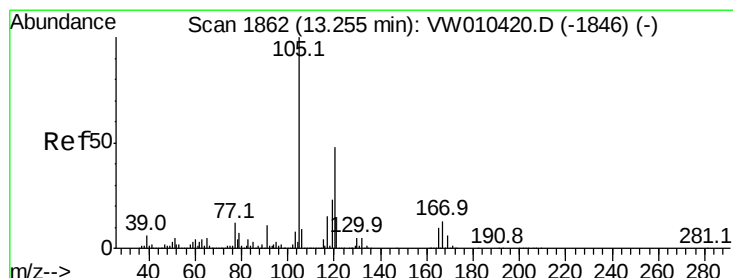
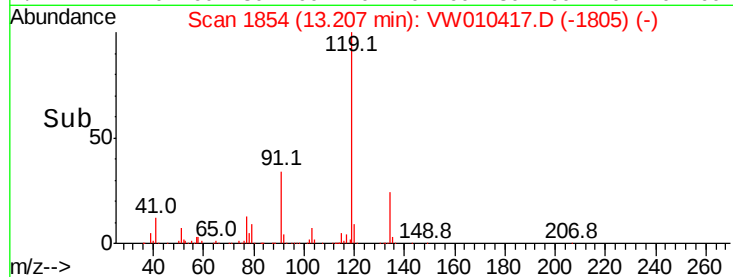
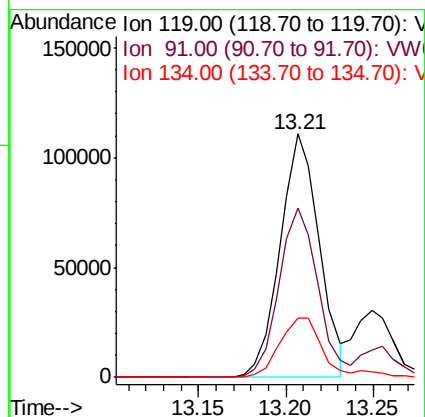
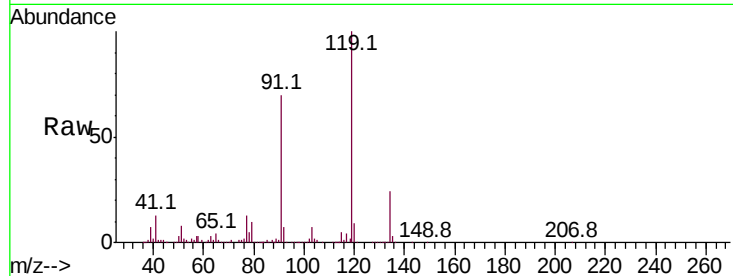
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	173684
Ion Ratio	Lower	Upper	
119	100		
91	69.2	33.5	100.5
134	27.6	13.8	41.4

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#84

1,2,4-Trimethylbenzene

Concen: 5.541 ug/l

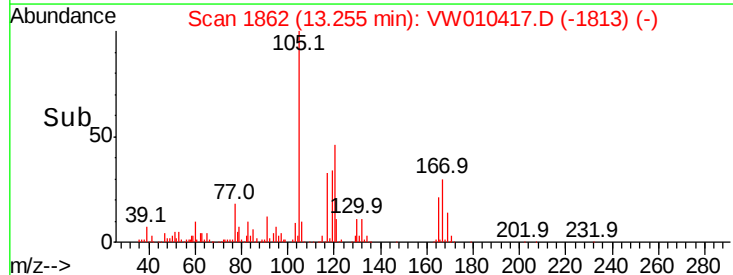
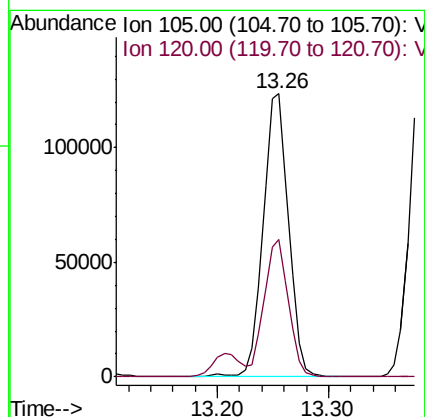
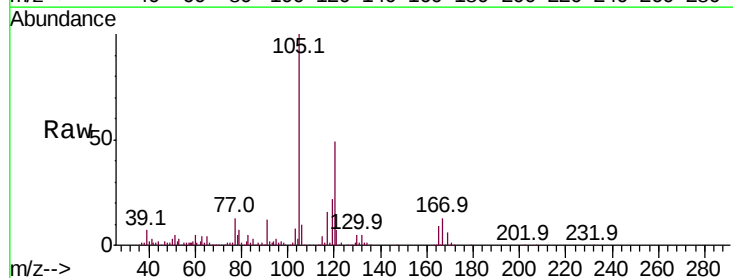
RT: 13.26 min Scan# 1862

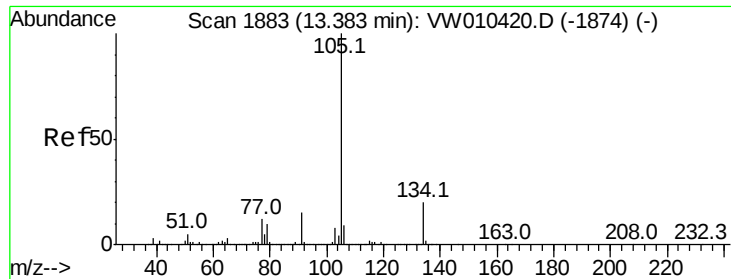
Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Tgt Ion:	105	Resp:	197824
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.4	70.0





#85

sec-Butylbenzene

Concen: 5.735 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 244817

Ion Ratio Lower Upper

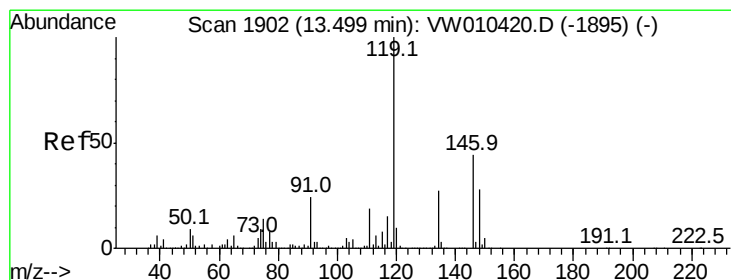
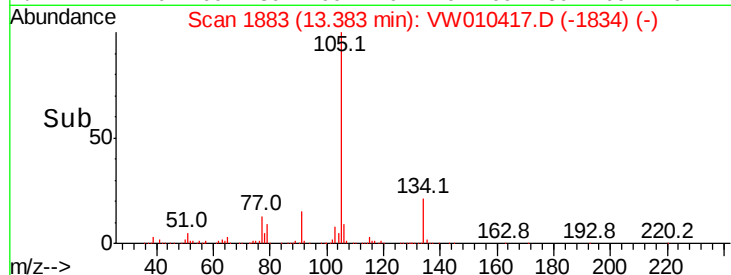
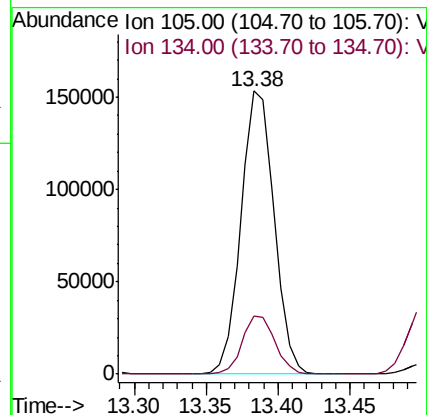
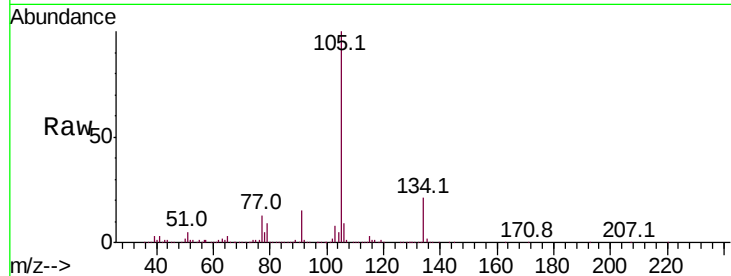
105 100

134 20.5 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 5.585 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010417.D

Acq: 17 May 2019 17:05

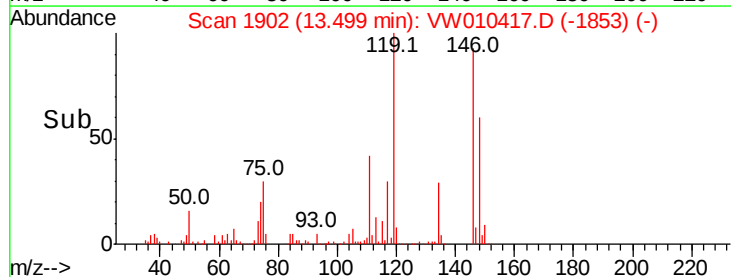
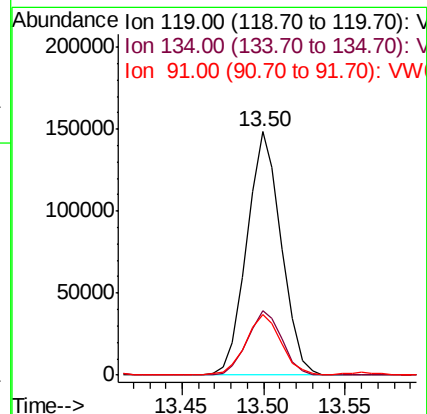
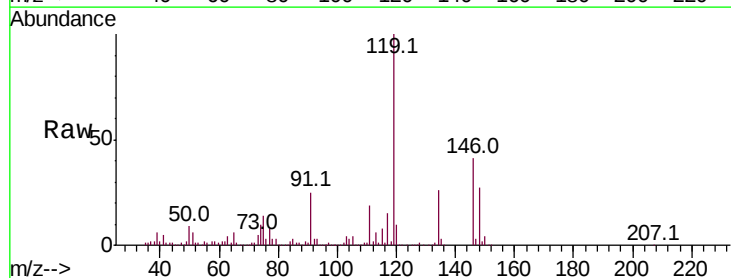
Tgt Ion:119 Resp: 216944

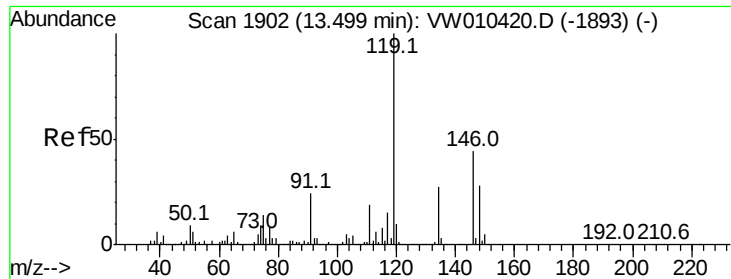
Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

91 25.8 12.2 36.4





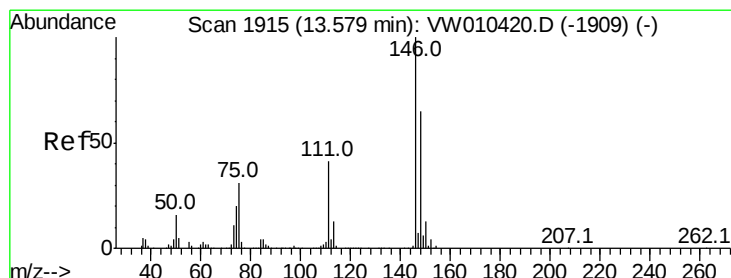
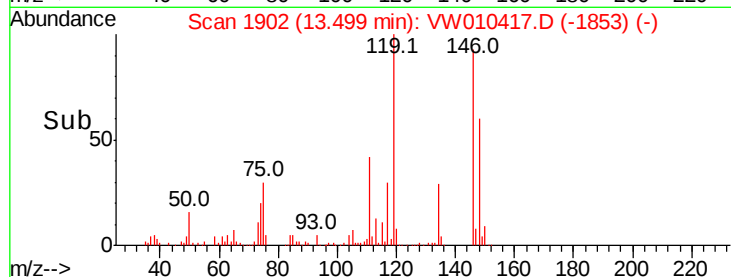
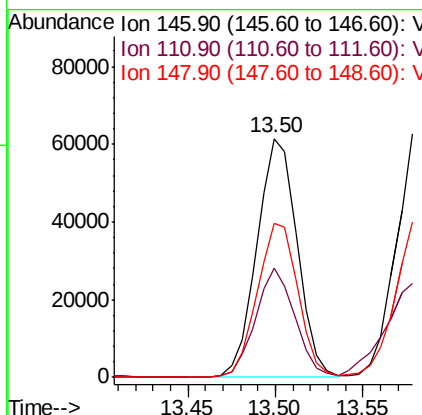
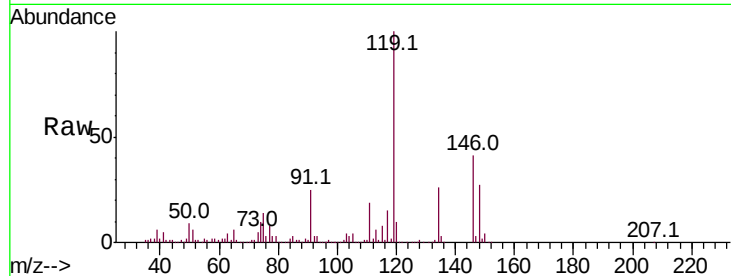
#87
 1,3-Dichlorobenzene
 Concen: 5.277 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	20.8	62.4
148	65.3	31.8	95.4

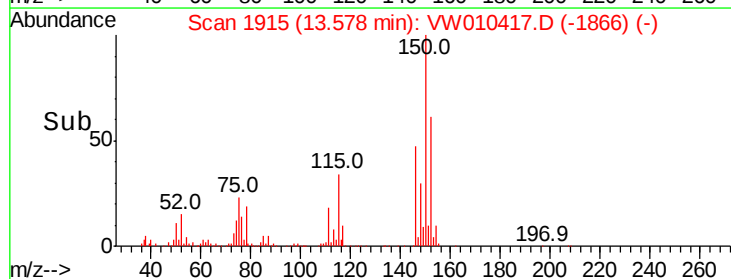
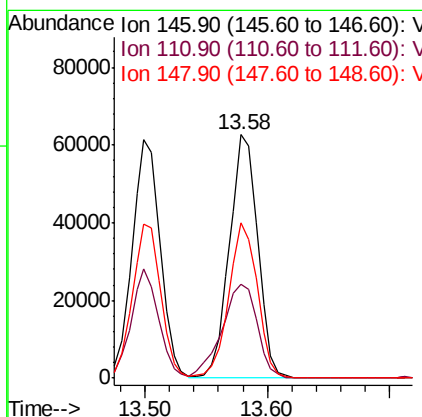
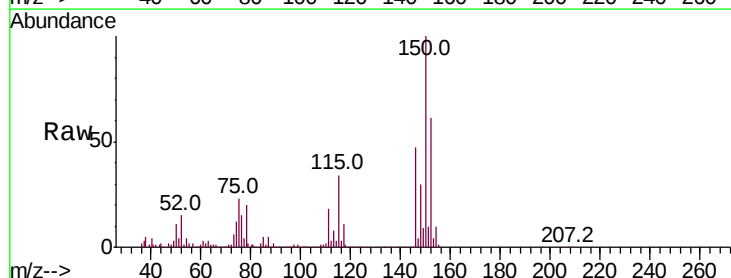
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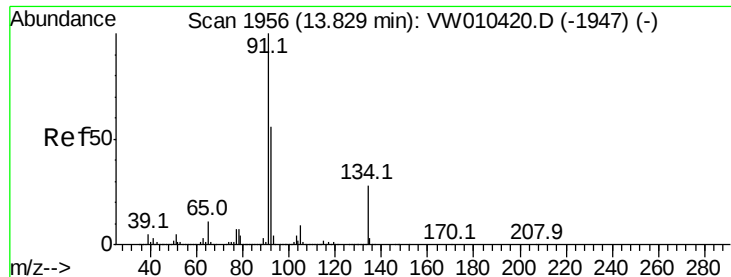
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#88
 1,4-Dichlorobenzene
 Concen: 5.383 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.1	20.4	61.3
148	64.4	32.3	96.9





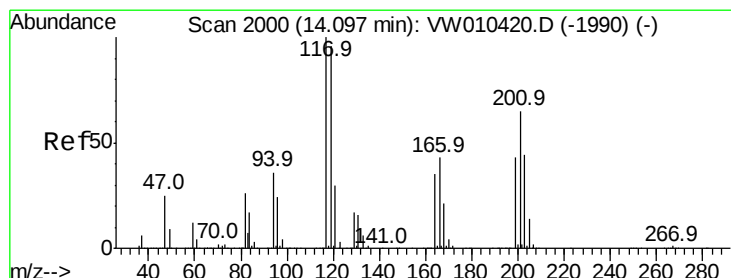
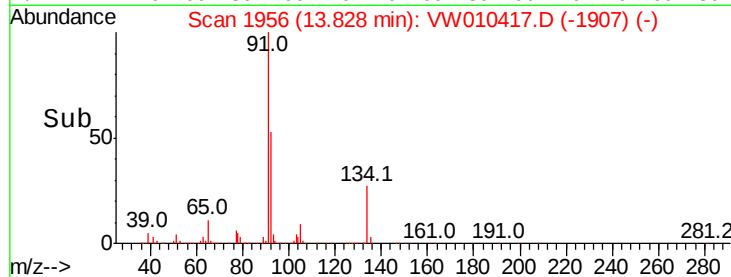
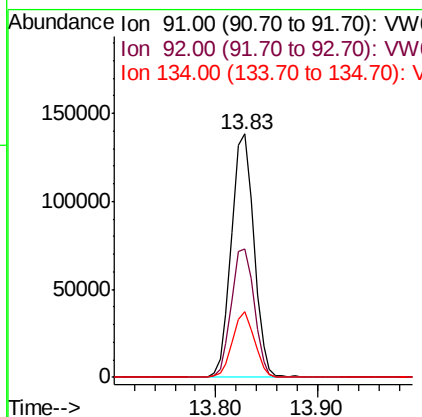
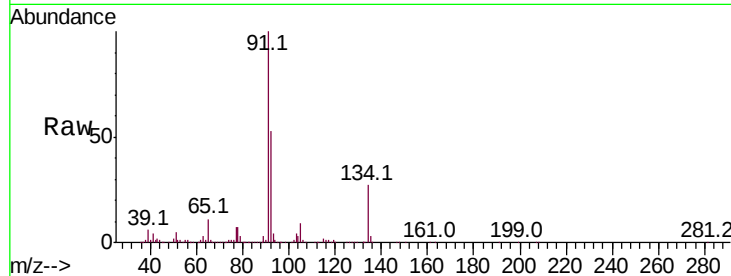
#89
n-Butylbenzene
Concen: 5.676 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.7	83.0
134	26.3	13.8	41.3

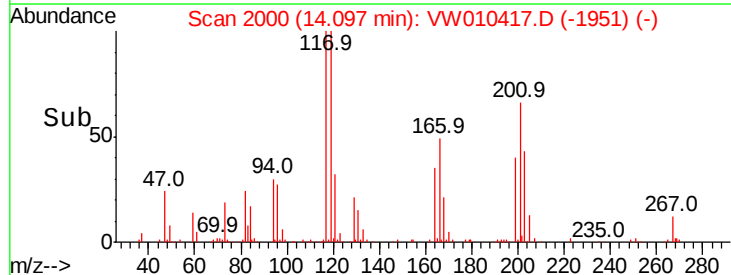
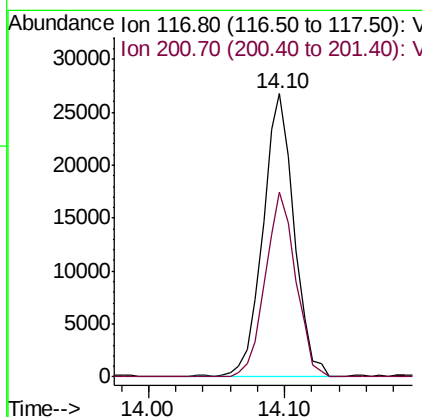
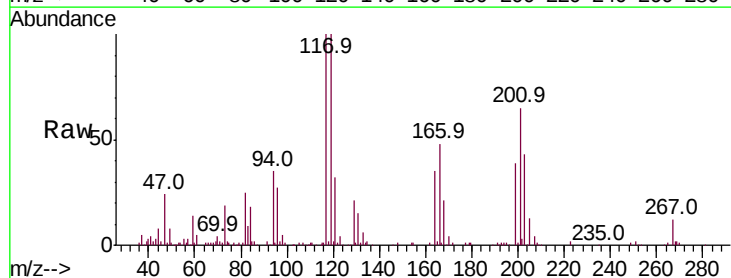
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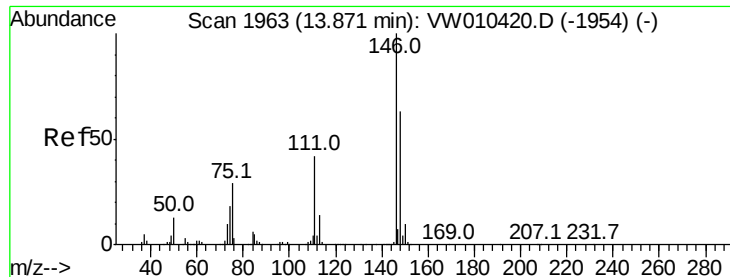
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#90
Hexachloroethane
Concen: 5.604 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.8	33.8	101.4





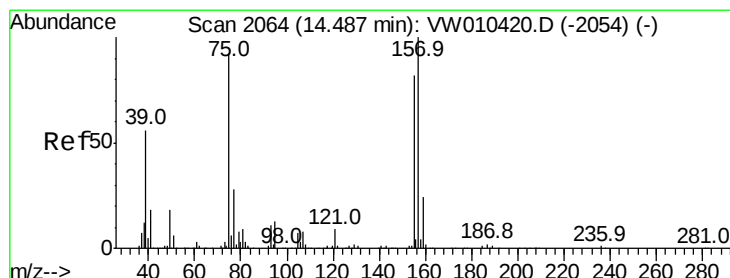
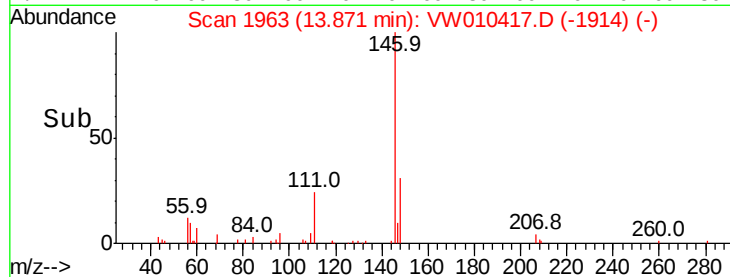
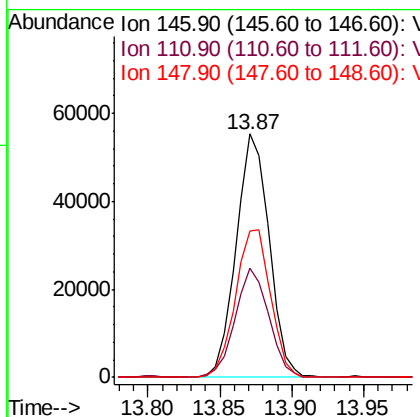
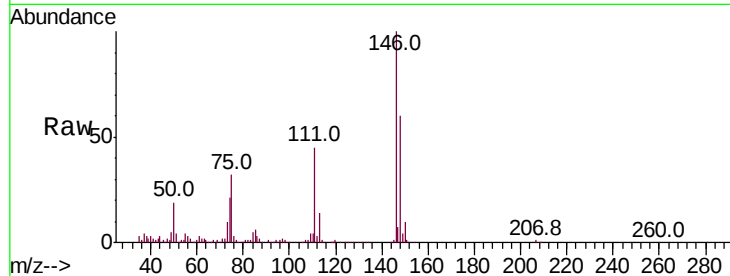
#91
 1,2-Dichlorobenzene
 Concen: 5.160 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	21.3	63.7
148	64.7	31.6	95.0

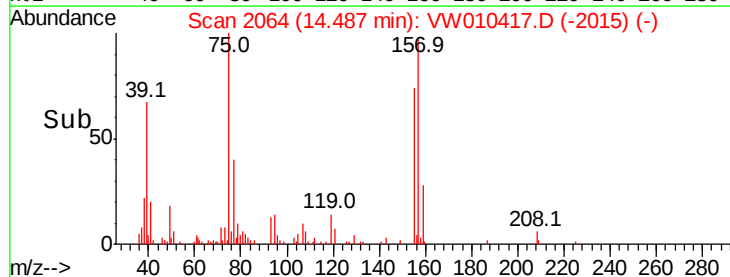
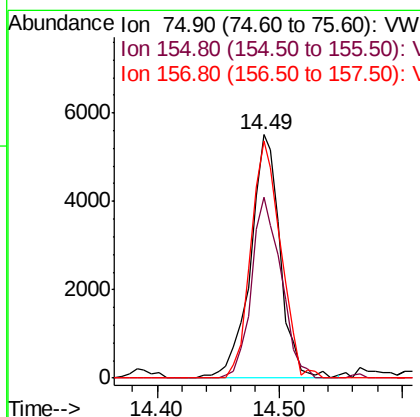
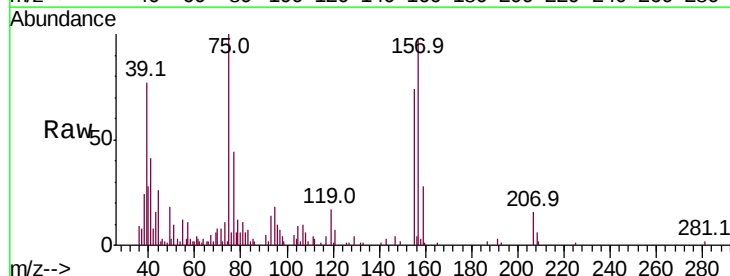
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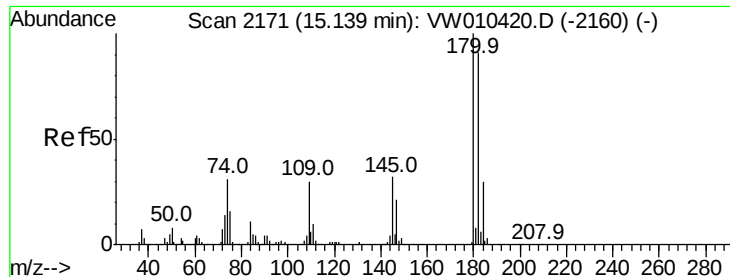
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.170 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.8	43.5	130.7
157	97.5	54.8	164.4





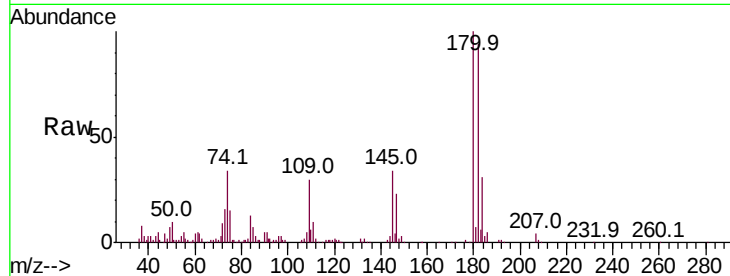
#93
 1,2,4-Trichlorobenzene
 Concen: 4.821 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.0	47.0	141.2	
145	35.8	16.6	49.7	

Manual Integrations
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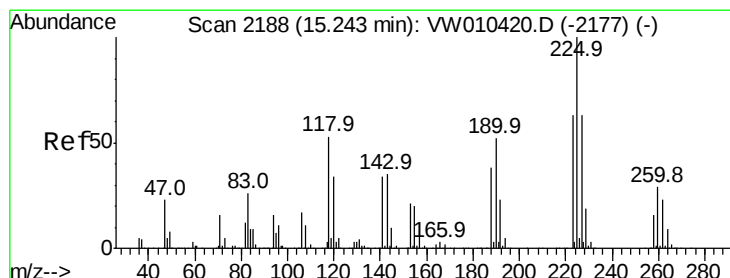
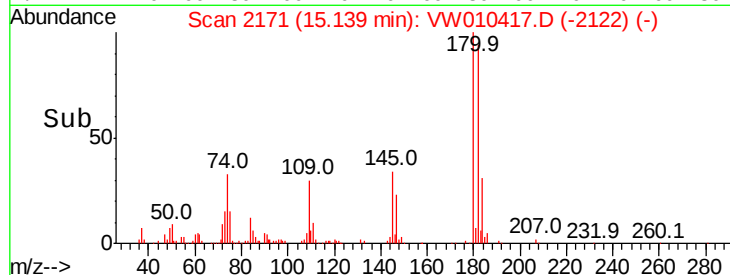
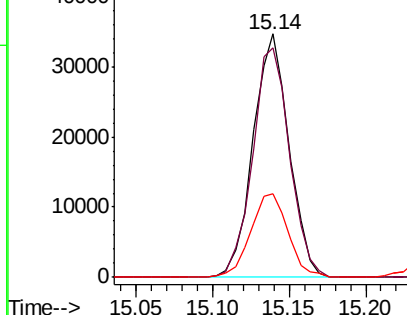


Abundance

Ion 179.80 (179.50 to 180.50): V

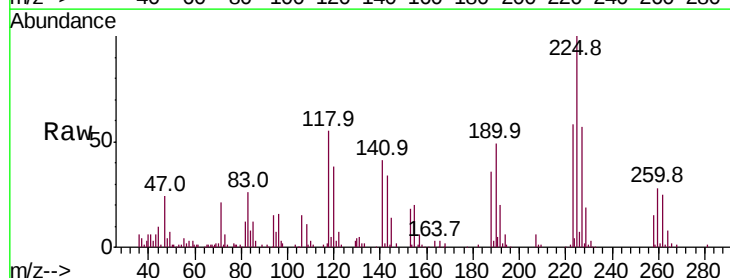
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.406 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010417.D
 Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	32.0	96.2	
227	62.5	31.4	94.0	

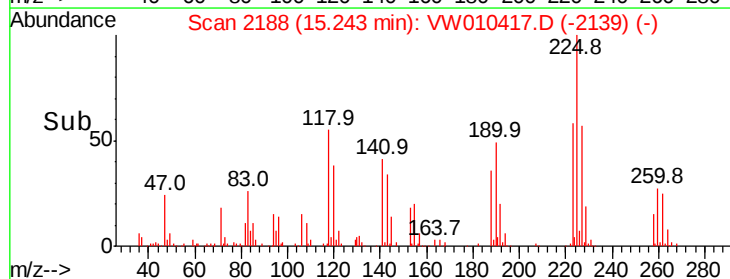
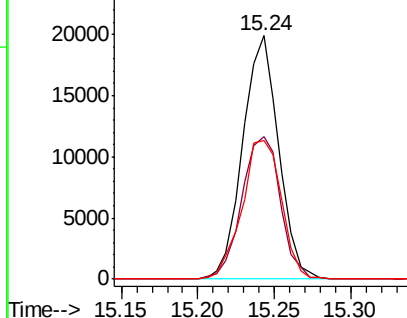


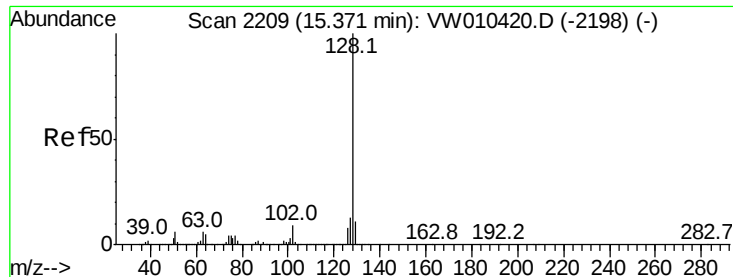
Abundance

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





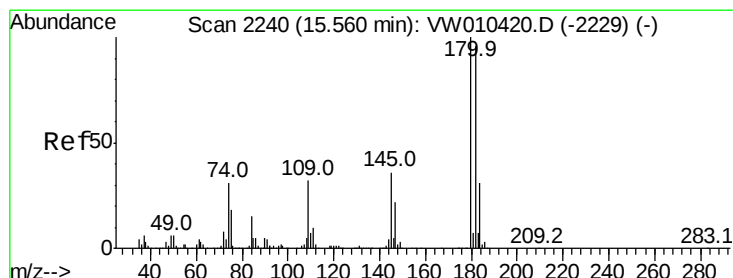
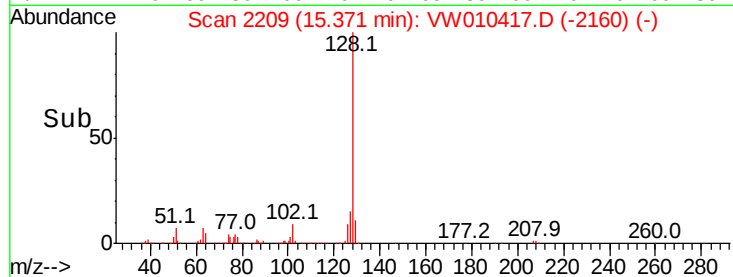
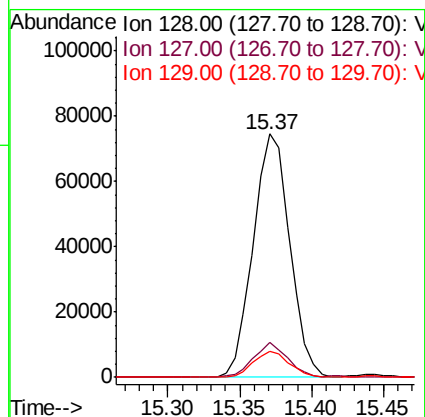
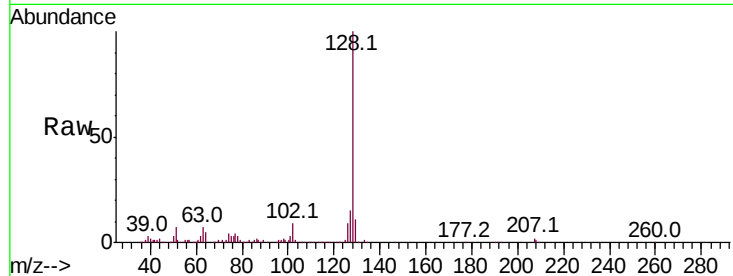
#95
Naphthalene
Concen: 4.999 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.5	10.5	15.7	
129	10.6	8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.843 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010417.D
Acq: 17 May 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.9	47.6	142.9	
145	36.2	17.8	53.5	

