

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013081.D
 Acq On : 17 Sep 2019 11:19
 Operator : SY/VA
 Sample : VW0917SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0917SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:27:46 AM

Quant Time: Sep 18 06:27:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	354915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	520495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	451841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	157971	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
35) Dibromofluoromethane	7.88	113	138268	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	10.32	98	560172	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.62	95	197294	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	30625	19.843	ug/l	100
3) Chloromethane	2.21	50	42673	22.296	ug/l	98
4) Vinyl Chloride	2.35	62	53943	21.234	ug/l	99
5) Bromomethane	2.77	94	29032	18.714	ug/l	99
6) Chloroethane	2.92	64	32099	20.602	ug/l	95
7) Trichlorofluoromethane	3.24	101	32149	18.097	ug/l	89
8) Diethyl Ether	3.68	74	25958	18.714	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	51333	19.052	ug/l	99
10) Methyl Iodide	4.26	142	67656	20.064	ug/l	98
11) Tert butyl alcohol	5.18	59	23659	93.516	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	48069	19.621	ug/l	96
13) Acrolein	3.89	56	22884	90.222	ug/l	97
14) Allyl chloride	4.67	41	91971	19.775	ug/l	96
15) Acrylonitrile	5.37	53	68863	97.200	ug/l	98
16) Acetone	4.12	43	63973	76.366	ug/l	96
17) Carbon Disulfide	4.38	76	97246	19.919	ug/l	99
18) Methyl Acetate	4.67	43	36549	19.571	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	95398	19.727	ug/l	98
20) Methylene Chloride	4.91	84	56157	17.873	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	52621	20.055	ug/l	97
22) Diisopropyl ether	6.31	45	199393	20.637	ug/l	99
23) Vinyl Acetate	6.25	43	573998	99.190	ug/l	99
24) 1,1-Dichloroethane	6.21	63	109140	19.592	ug/l	98
25) 2-Butanone	7.17	43	101592	97.470	ug/l	99
26) 2,2-Dichloropropane	7.17	77	74794	18.417	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	64239	20.450	ug/l	99
28) Bromochloromethane	7.51	49	45397	19.362	ug/l #	98
29) Tetrahydrofuran	7.52	42	59927	100.908	ug/l	99
30) Chloroform	7.67	83	111711	19.736	ug/l	94
31) Cyclohexane	7.95	56	98146	21.005	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	88041	18.888	ug/l	99
36) 1,1-Dichloropropene	8.08	75	83358	20.042	ug/l	98
37) Ethyl Acetate	7.25	43	42602	19.297	ug/l	99
38) Carbon Tetrachloride	8.06	117	79445	18.639	ug/l	90

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95859	21.033	ug/l	99
40) Benzene	8.32	78	231519	19.939	ug/l	98
41) Methacrylonitrile	7.49	41	25096	17.262	ug/l	92
42) 1,2-Dichloroethane	8.40	62	72976	18.749	ug/l	97
43) Isopropyl Acetate	8.42	43	82937	19.566	ug/l	99
44) Trichloroethene	9.09	130	61392	19.303	ug/l	96
45) 1,2-Dichloropropane	9.37	63	61423	19.911	ug/l	99
46) Dibromomethane	9.45	93	29388	19.884	ug/l	98
47) Bromodichloromethane	9.64	83	79084	19.076	ug/l	99
48) Methyl methacrylate	9.43	41	38273	19.239	ug/l	97
49) 1,4-Dioxane	9.46	88	8691	350.935	ug/l #	72
51) 4-Methyl-2-Pentanone	10.21	43	212490	97.099	ug/l	100
52) Toluene	10.38	92	147948	20.052	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	78177	18.750	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	92014	19.288	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	44430	19.733	ug/l	96
56) Ethyl methacrylate	10.65	69	60880	20.088	ug/l	98
57) 1,3-Dichloropropane	10.93	76	78857	19.744	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	153367	94.338	ug/l	99
59) 2-Hexanone	10.97	43	146418	96.088	ug/l	99
60) Dibromochloromethane	11.13	129	50783	18.656	ug/l	98
61) 1,2-Dibromoethane	11.23	107	40639	19.786	ug/l	98
64) Tetrachloroethene	10.86	164	52394	19.492	ug/l	95
65) Chlorobenzene	11.66	112	158258	19.663	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	56502	18.319	ug/l	97
67) Ethyl Benzene	11.73	91	293284	19.731	ug/l	99
68) m/p-Xylenes	11.84	106	215078	39.608	ug/l	98
69) o-Xylene	12.16	106	103788	20.387	ug/l	97
70) Styrene	12.18	104	178266	19.685	ug/l	99
71) Bromoform	12.35	173	30391	18.759	ug/l #	100
73) Isopropylbenzene	12.46	105	293110	19.534	ug/l	99
74) N-amyl acetate	12.27	43	73881	19.140	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51795	19.653	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	40860m	20.606	ug/l	
77) Bromobenzene	12.74	156	66360	19.197	ug/l	99
78) n-propylbenzene	12.80	91	341401	19.342	ug/l	100
79) 2-Chlorotoluene	12.89	91	194708	19.189	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	245798	19.362	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15683	17.941	ug/l	94
82) 4-Chlorotoluene	12.99	91	204833	19.133	ug/l	99
83) tert-Butylbenzene	13.21	119	219009	19.288	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	242702	19.348	ug/l	97
85) sec-Butylbenzene	13.38	105	299402	19.353	ug/l	100
86) p-Isopropyltoluene	13.50	119	277296	19.523	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	130504	19.071	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	130445	19.398	ug/l	99
89) n-Butylbenzene	13.82	91	260240	19.428	ug/l	99
90) Hexachloroethane	14.09	117	46291	18.187	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	115779	19.239	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8226	17.052	ug/l	97

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QLast Update : Fri Sep 13 17:26:01 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	80452	18.746	ug/l	98
94) Hexachlorobutadiene	15.24	225	56978	18.754	ug/l	98
95) Naphthalene	15.36	128	136242	18.999	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	72800	19.189	ug/l	99

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

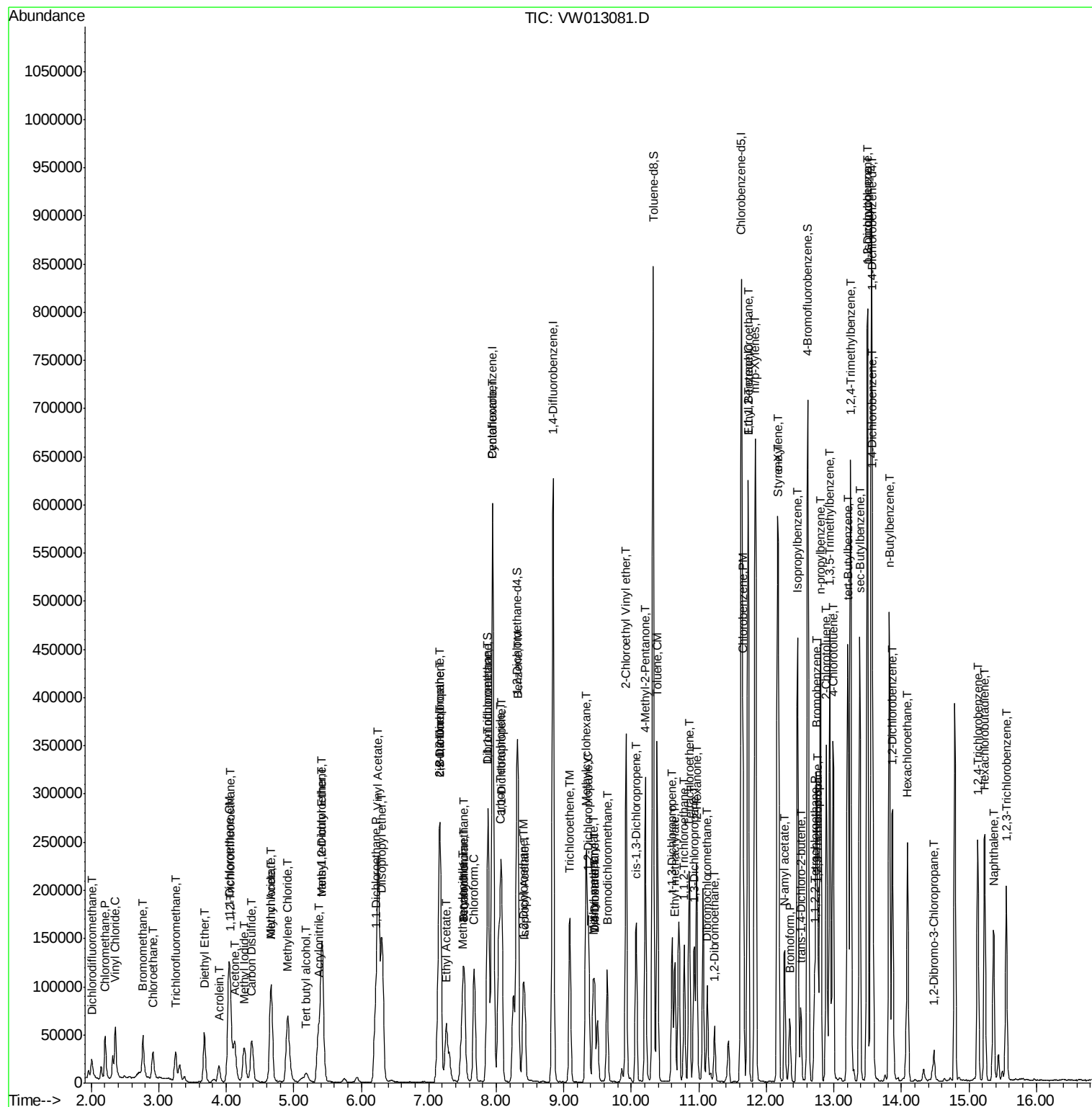
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 Data File : VW013081.D
 Acq On : 17 Sep 2019 11:19
 Operator : SY/VA
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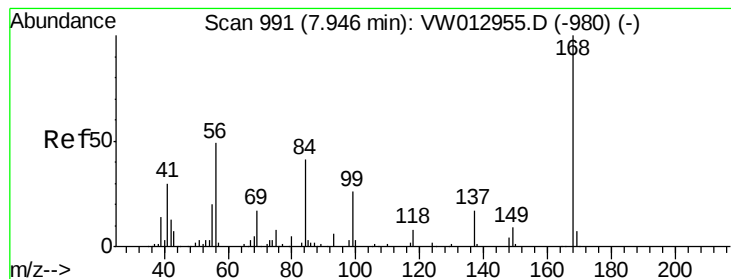
Instrument :
 MSVOA_W
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0917SBSD01

Tot Ion:168 Resp: 354915

Ion Ratio Lower Upper

168 100

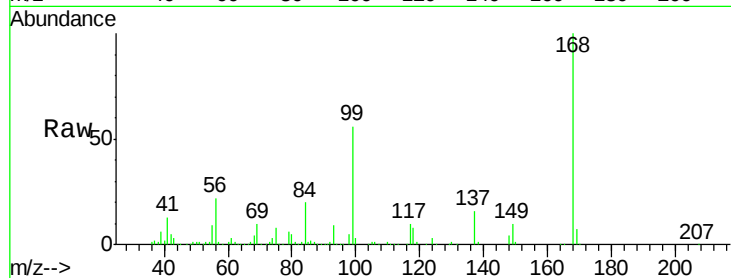
99 55.9 46.2 69.2

Manual Integrations

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9/19/2019 1:27:46 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

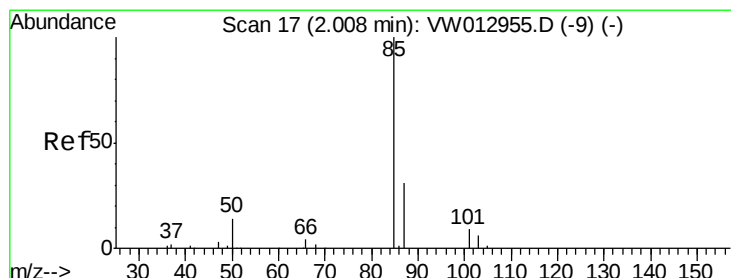
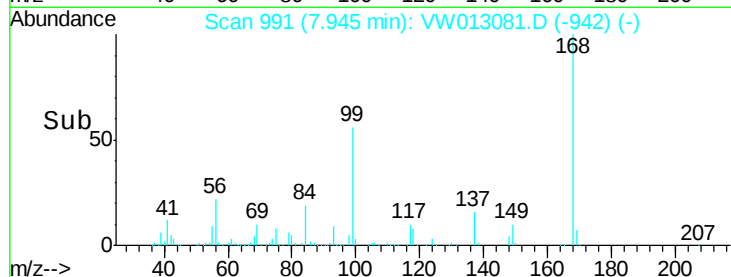
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.843 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013081.D

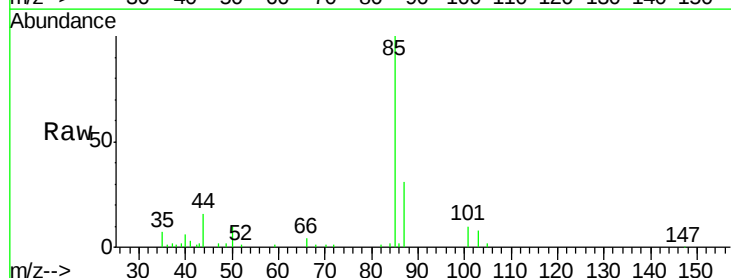
Acq: 17 Sep 2019 11:19

Tgt Ion: 85 Resp: 30625

Ion Ratio Lower Upper

85 100

87 30.9 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

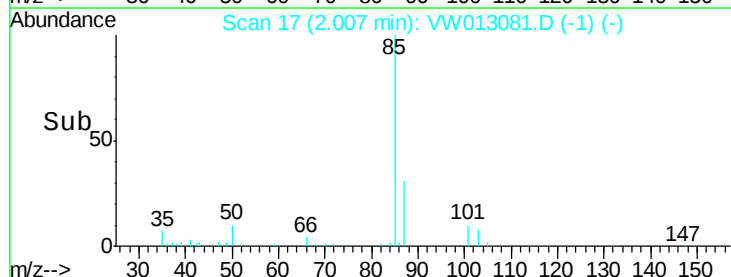
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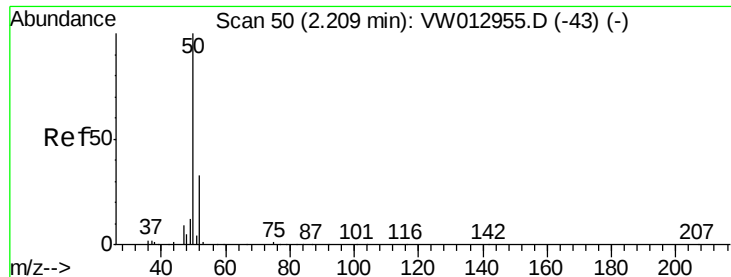
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 22.296 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0917SBSD01

Tot Ion: 50 Resp: 42673

Ion Ratio Lower Upper

50 100

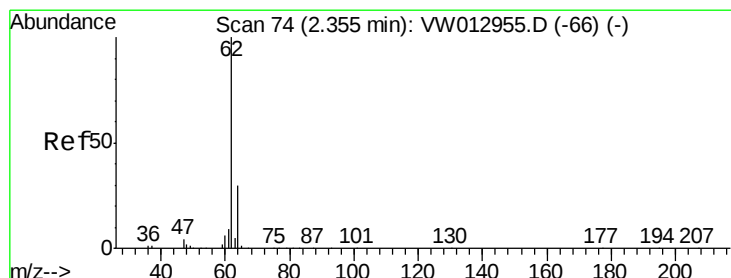
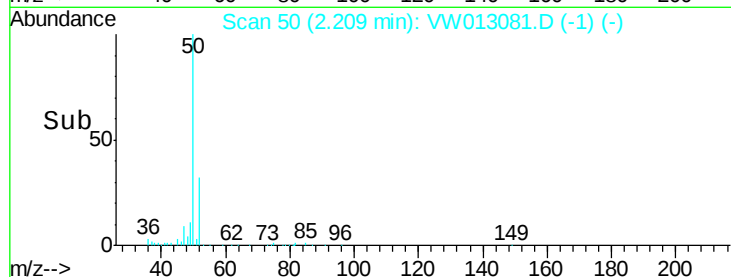
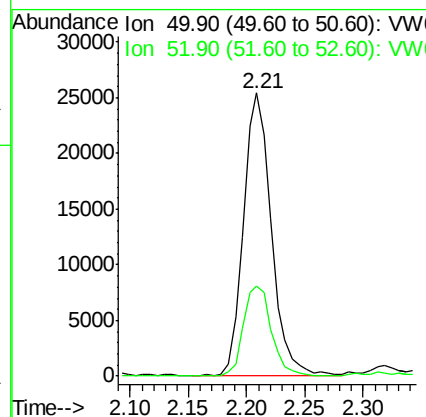
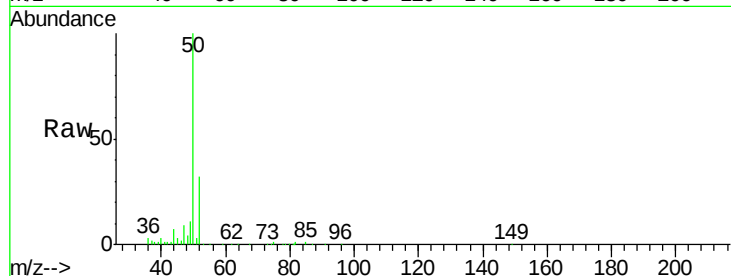
52 31.9 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.234 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013081.D

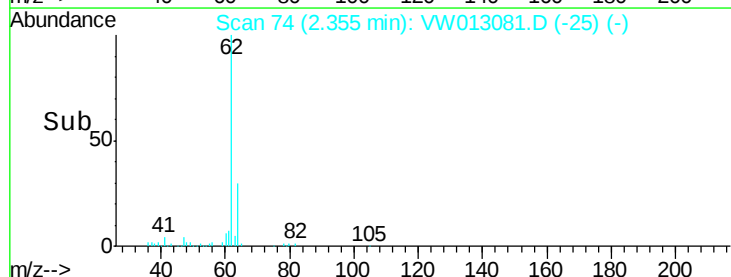
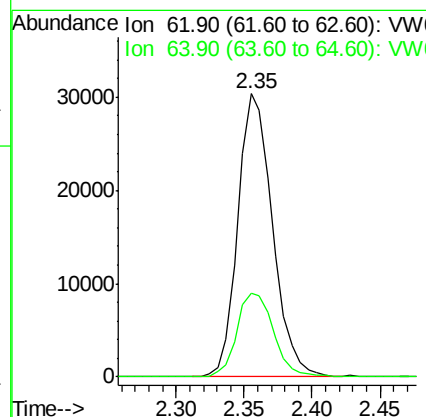
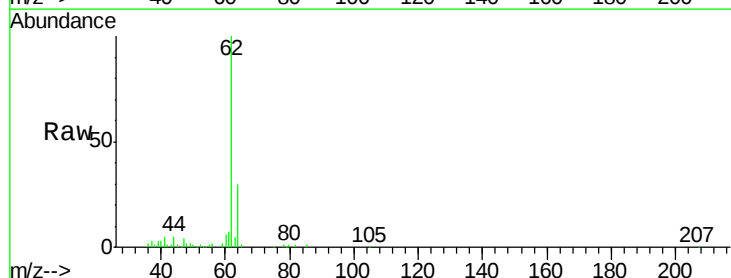
Acq: 17 Sep 2019 11:19

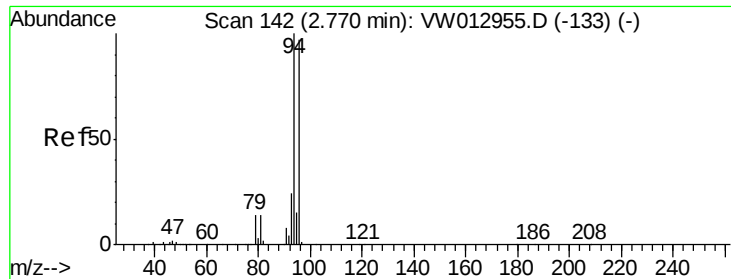
Tgt Ion: 62 Resp: 53943

Ion Ratio Lower Upper

62 100

64 29.7 24.2 36.4





#5

Bromomethane

Concen: 18.714 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0917SBSD01

Tot Ion: 94 Resp: 29032

Ion Ratio Lower Upper

94 100

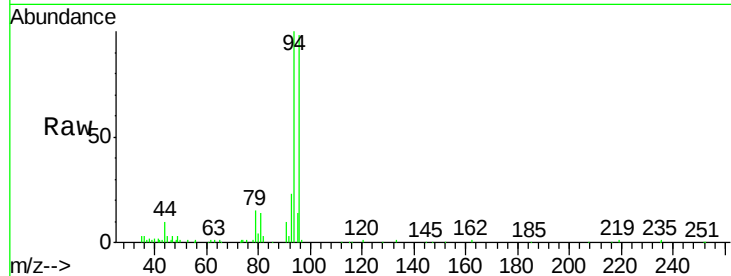
96 98.1 77.8 116.6

Manual Integrations

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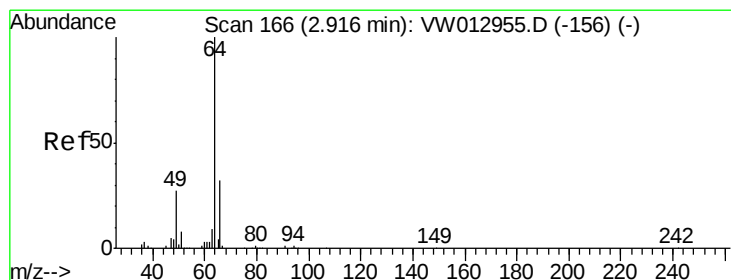
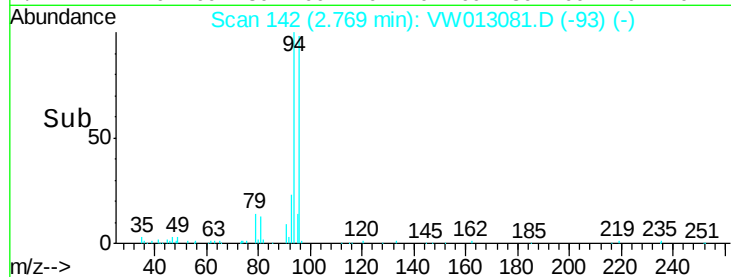
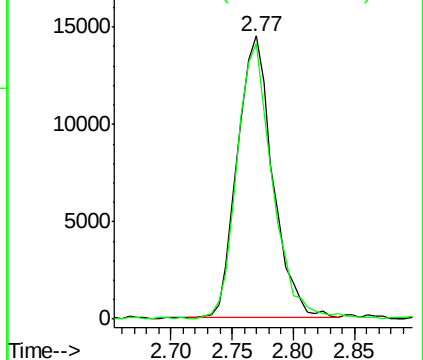
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.602 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013081.D

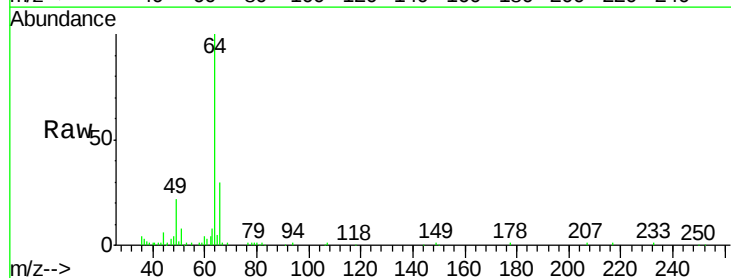
Acq: 17 Sep 2019 11:19

Tgt Ion: 64 Resp: 32099

Ion Ratio Lower Upper

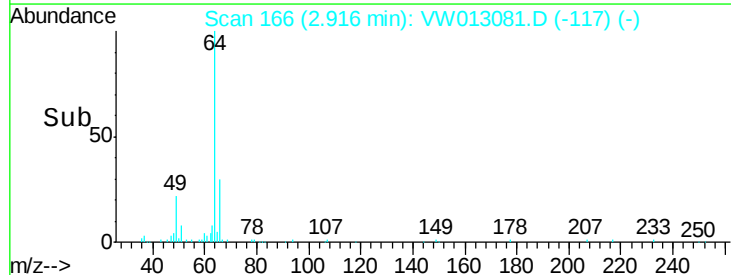
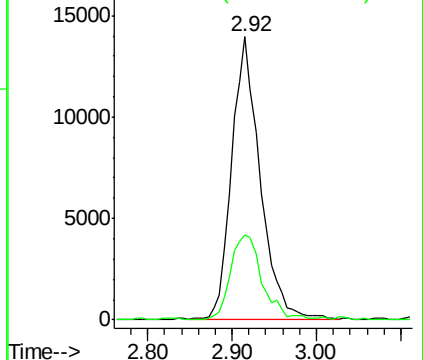
64 100

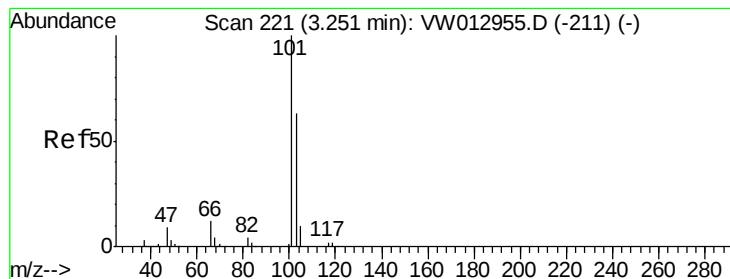
66 29.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

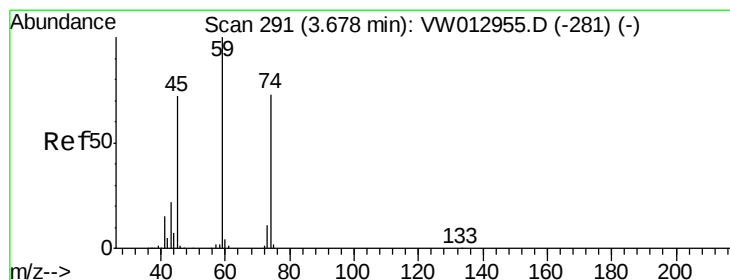
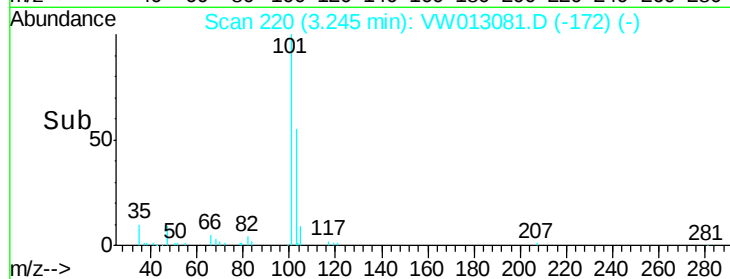
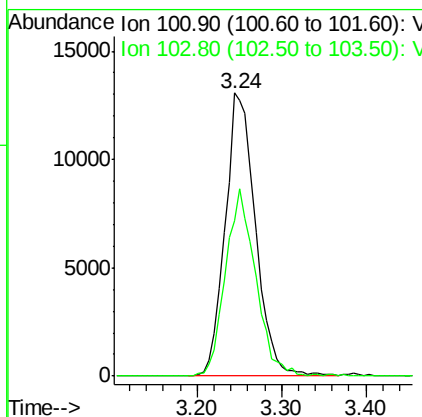
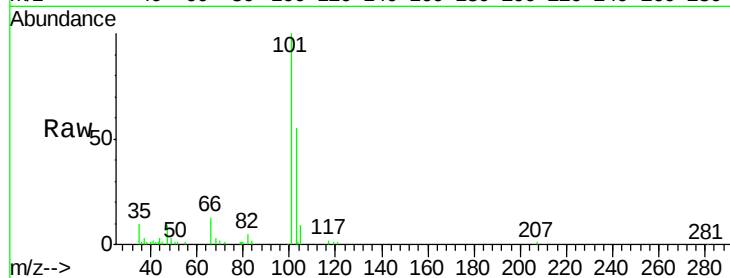
Trichlorofluoromethane
 Concen: 18.097 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0917SBS01

Tot Ion:101 Resp: 32149
 Ion Ratio Lower Upper
 101 100
 103 54.9 50.7 76.1

Manual Integrations
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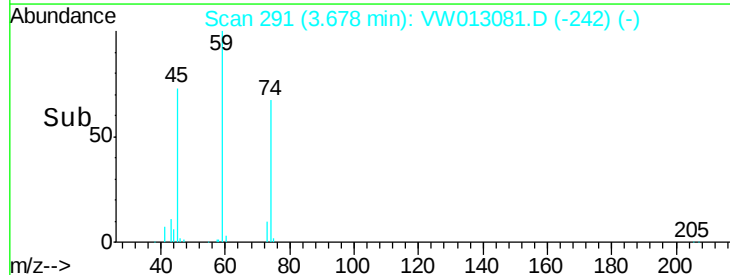
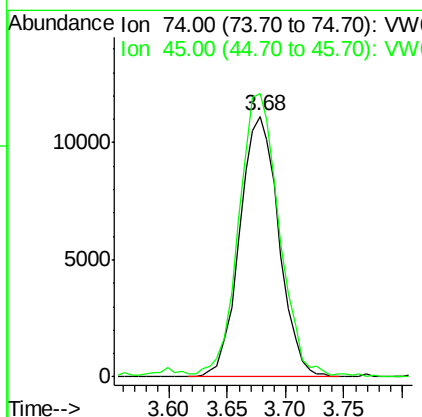
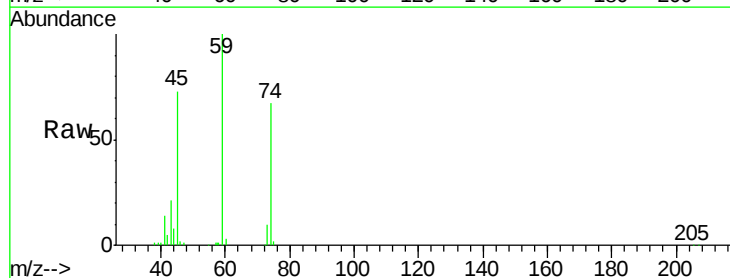
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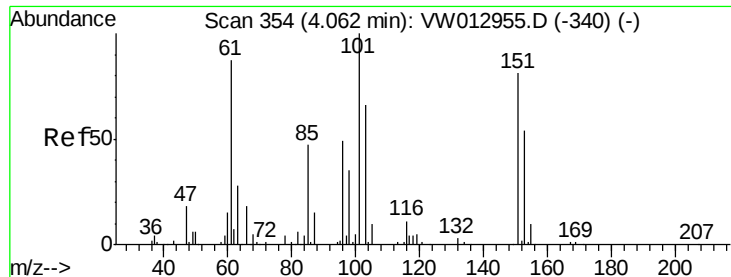


#8

Diethyl Ether
 Concen: 18.714 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion: 74 Resp: 25958
 Ion Ratio Lower Upper
 74 100
 45 113.8 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.052 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

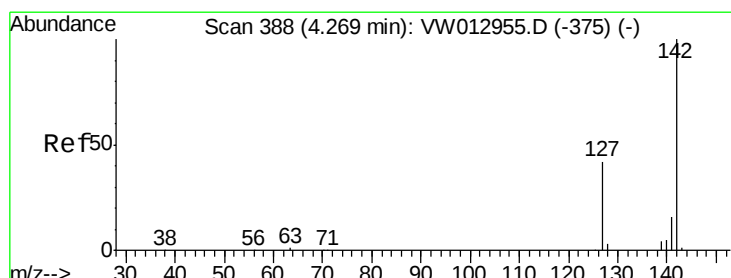
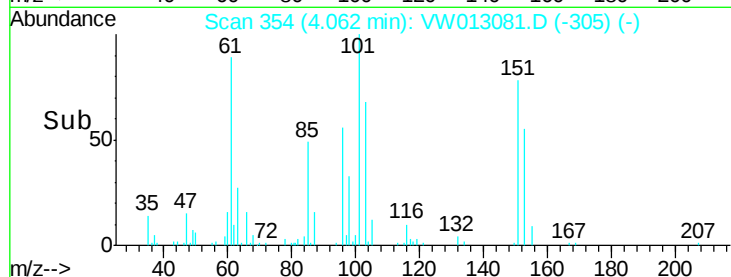
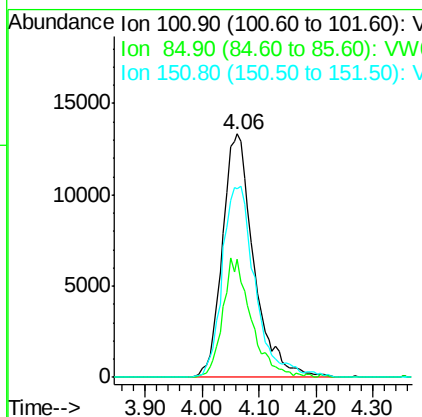
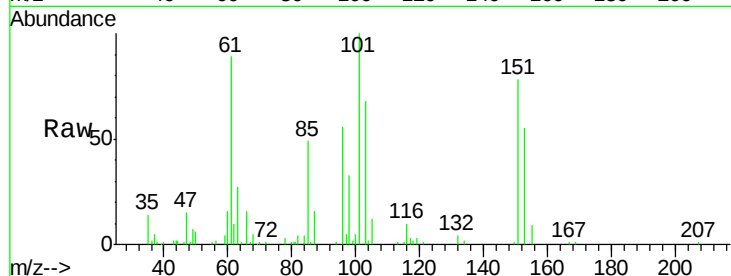
ClientSampleId :

VW0917SBSD01

Tot Ion:	101	Resp:	51333
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.9	52.3
151	81.4	66.0	99.0

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#10

Methyl Iodide

Concen: 20.064 ug/l

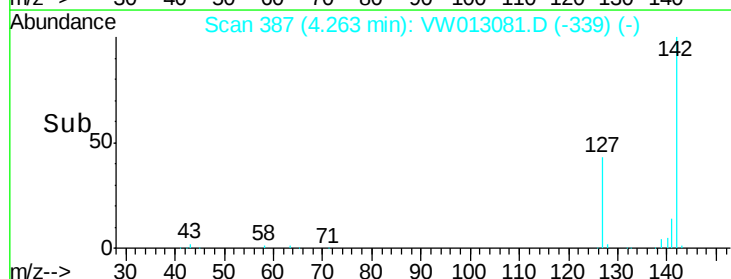
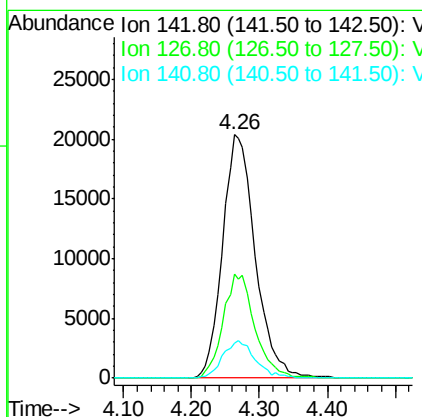
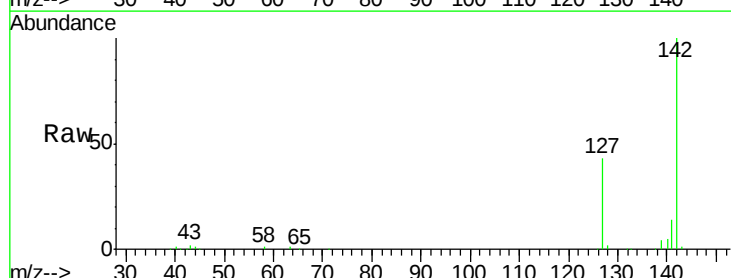
RT: 4.26 min Scan# 387

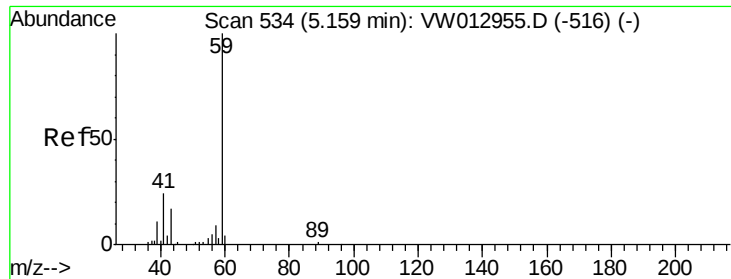
Delta R.T. -0.01 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Tgt Ion:	142	Resp:	67656
Ion Ratio	Lower	Upper	
142	100		
127	41.4	34.7	52.1
141	15.3	12.2	18.2





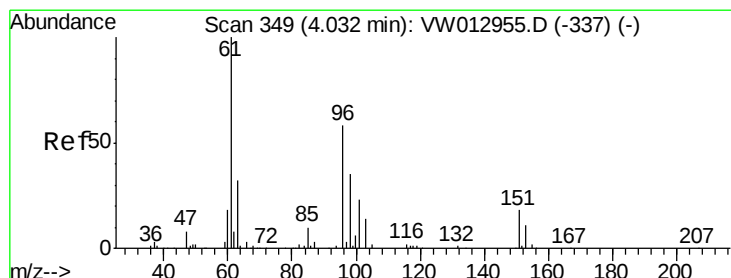
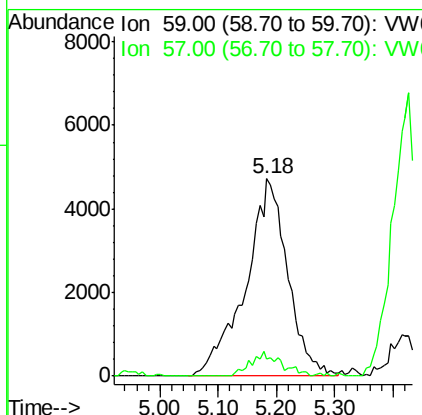
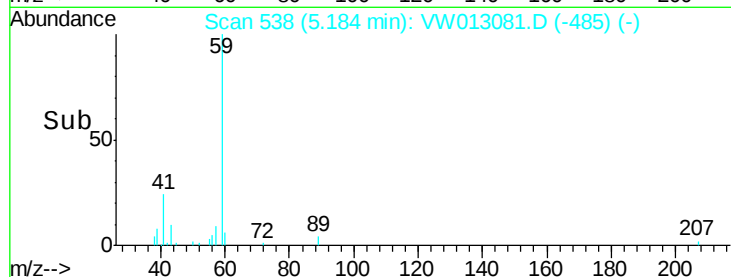
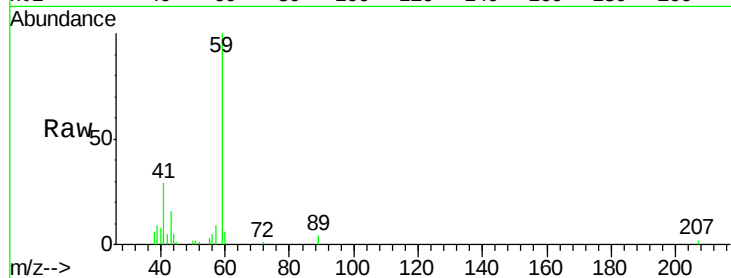
#11
Tert butyl alcohol
Concen: 93.516 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBS01

Tot Ion: 59 Resp: 23659
Ion Ratio Lower Upper
59 100
57 8.1 8.5 12.7#

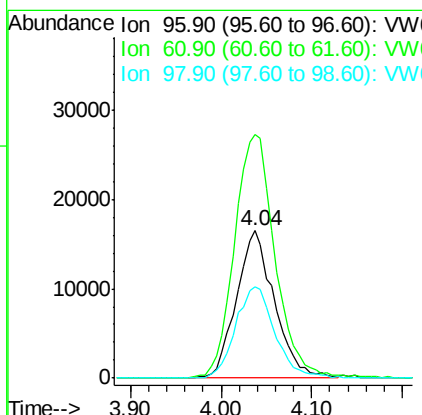
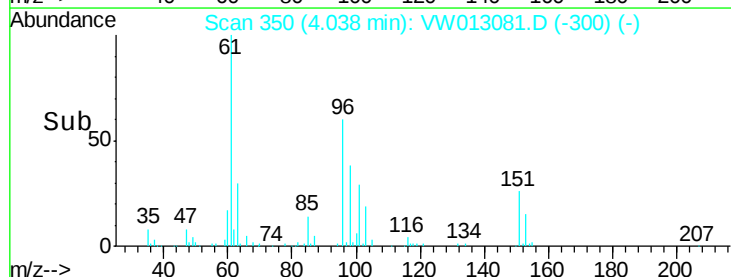
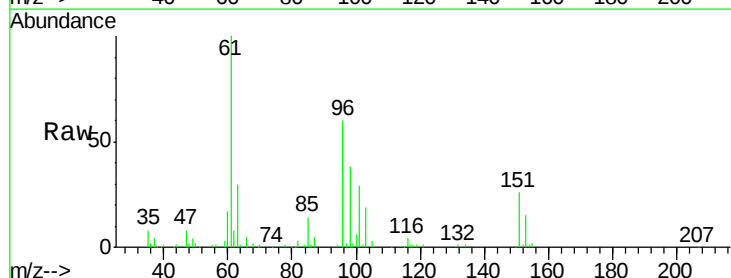
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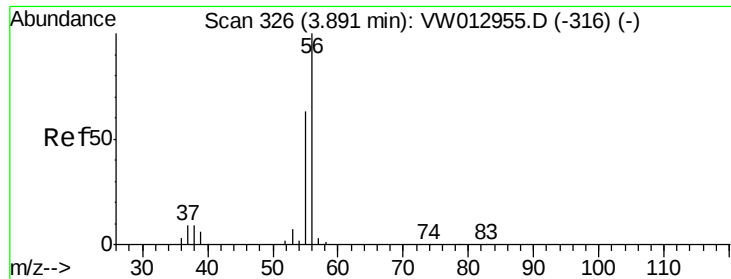
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#12
1,1-Dichloroethene
Concen: 19.621 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion: 96 Resp: 48069
Ion Ratio Lower Upper
96 100
61 165.6 137.9 206.9
98 62.1 48.9 73.3





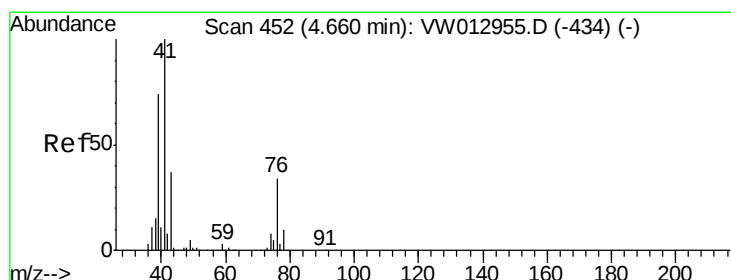
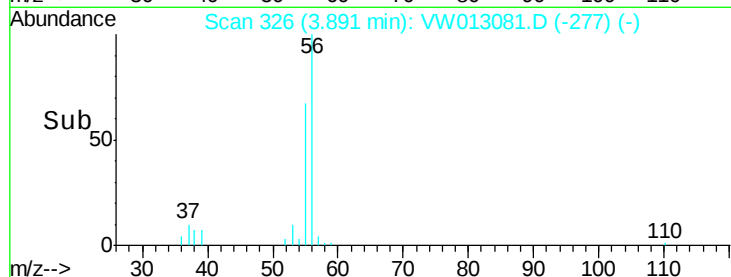
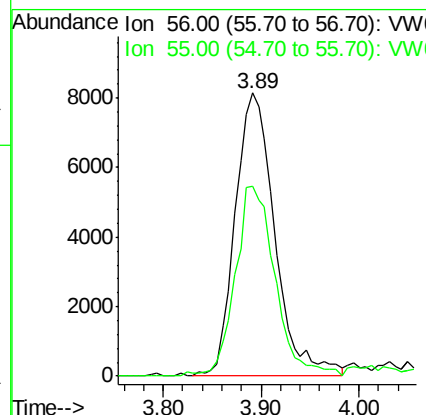
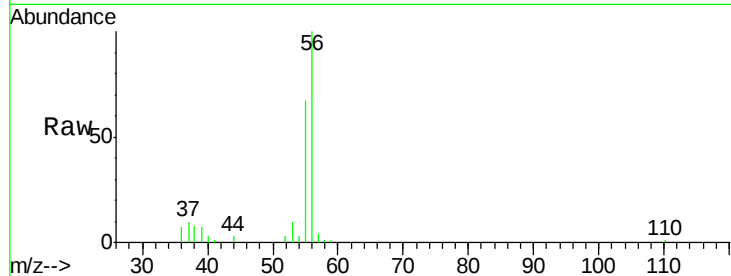
#13
Acrolein
Concen: 90.222 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBS01

Tot Ion	56	Resp	22884
Ion Ratio	100	Lower	Upper
55	67.7	55.8	83.8

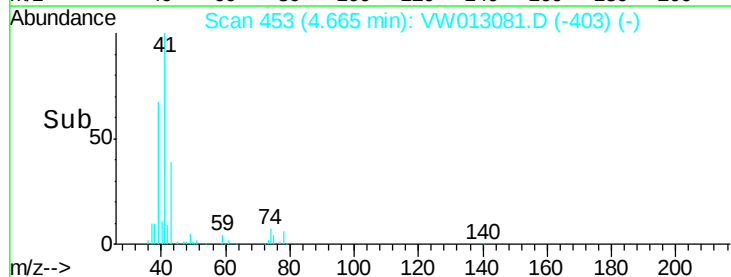
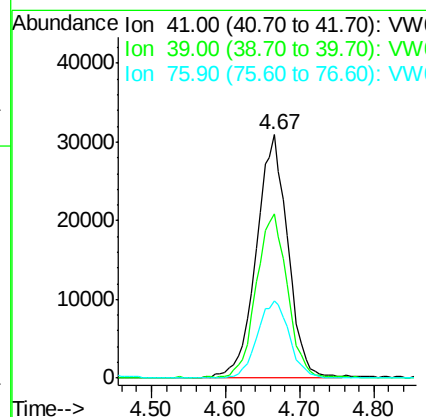
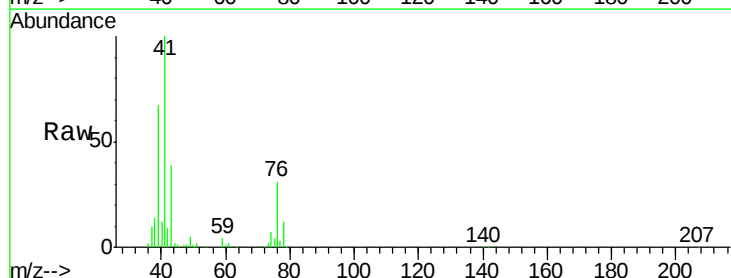
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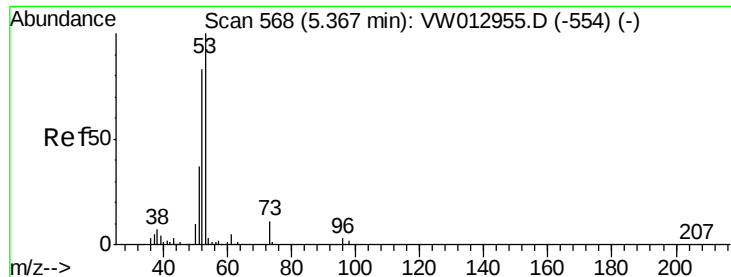
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#14
Allyl chloride
Concen: 19.775 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion	41	Resp	91971
Ion Ratio	100	Lower	Upper
39	67.1	56.7	85.1
76	31.9	25.1	37.7





#15

Acrylonitrile

Concen: 97.200 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

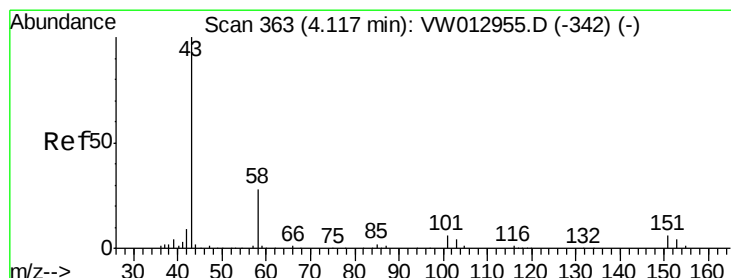
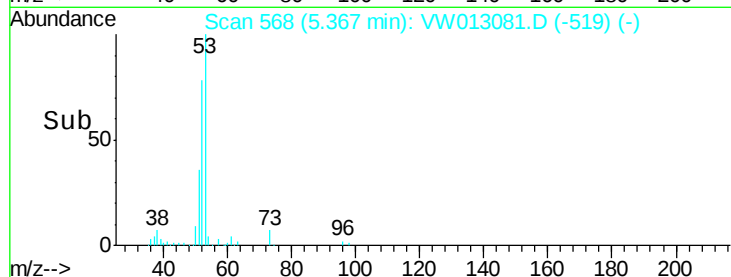
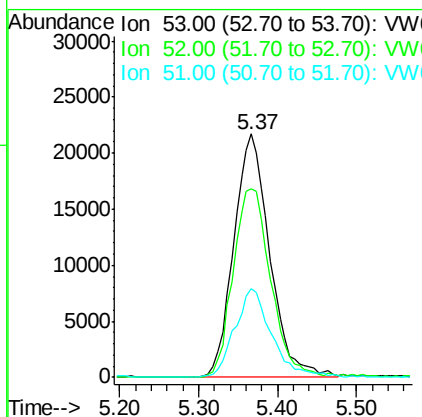
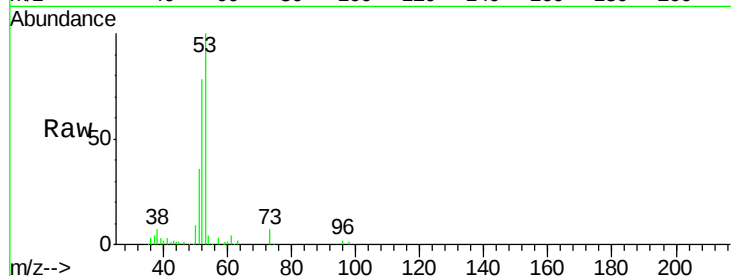
ClientSampleId :

VW0917SBS01

Tot Ion:	53	Resp:	68863
Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.6	100.0
51	37.2	29.8	44.8

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#16

Acetone

Concen: 76.366 ug/l

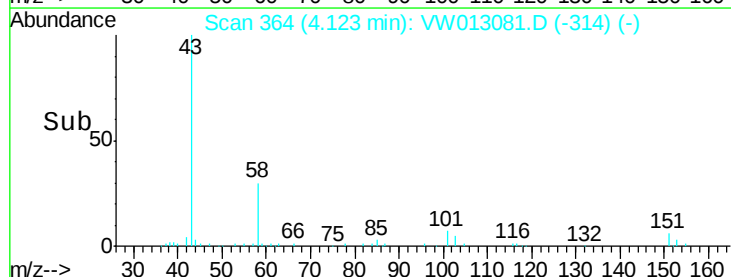
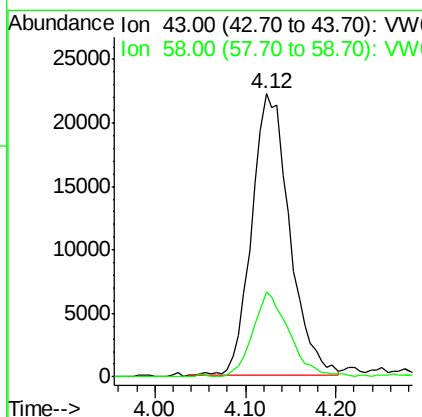
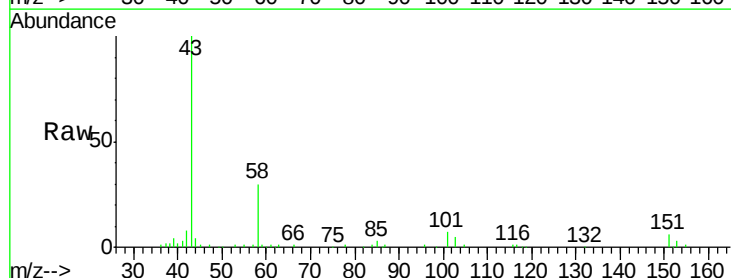
RT: 4.12 min Scan# 364

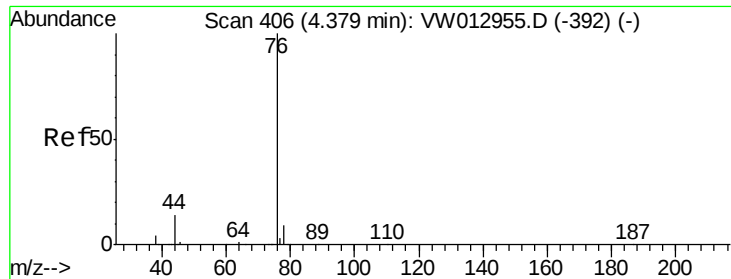
Delta R.T. 0.01 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Tgt Ion:	43	Resp:	63973
Ion	Ratio	Lower	Upper
43	100		
58	30.2	22.3	33.5





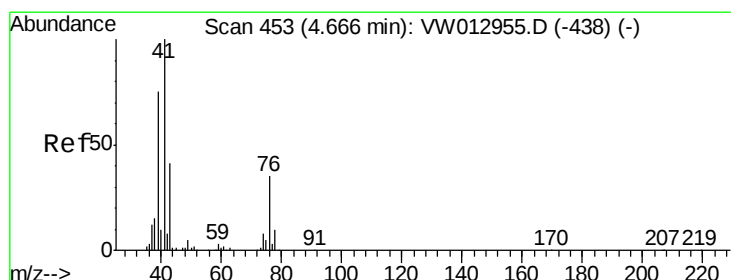
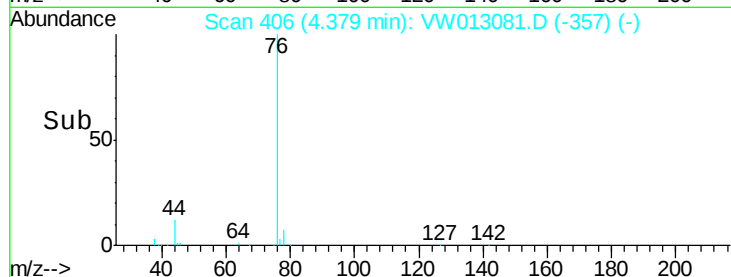
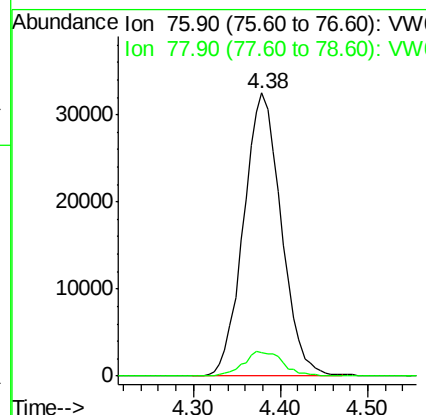
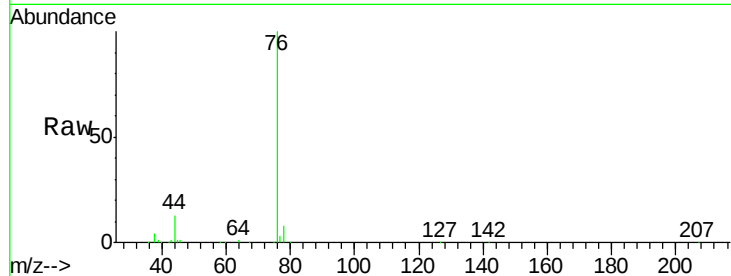
#17
Carbon Disulfide
Concen: 19.919 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.0	10.4

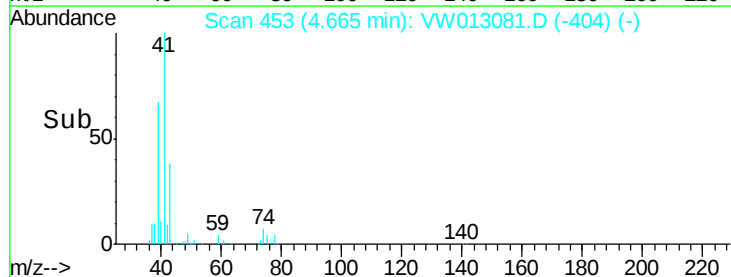
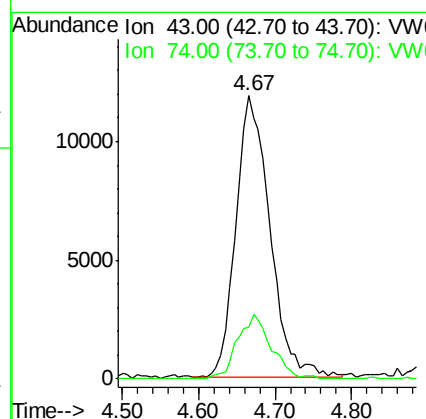
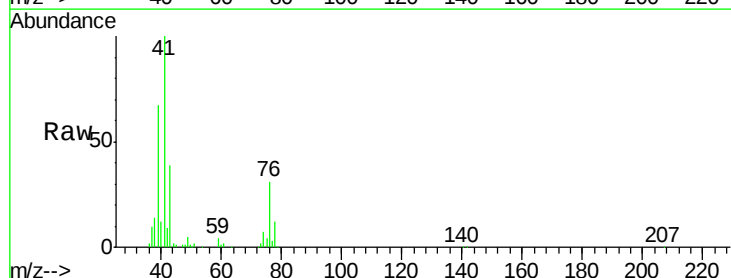
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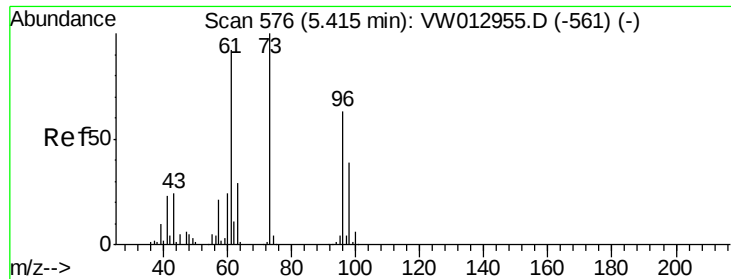
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#18
Methyl Acetate
Concen: 19.571 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.8	26.8





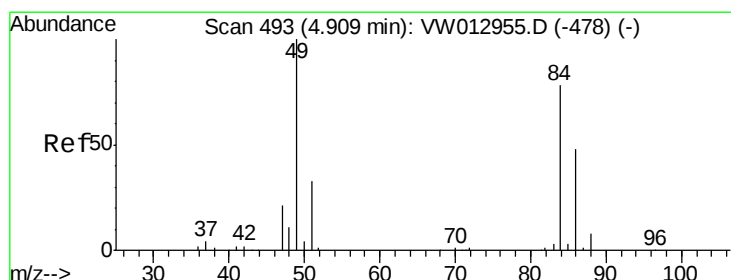
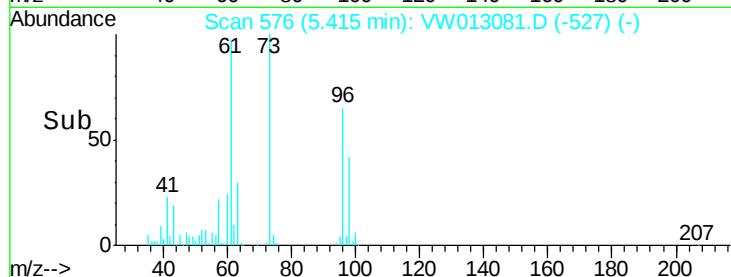
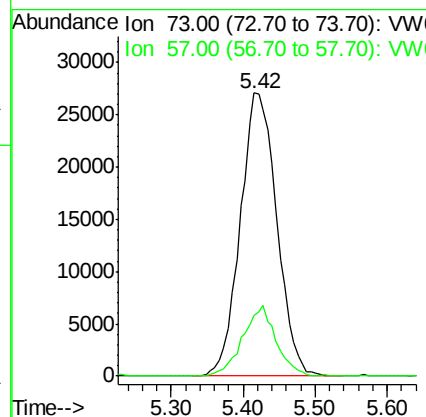
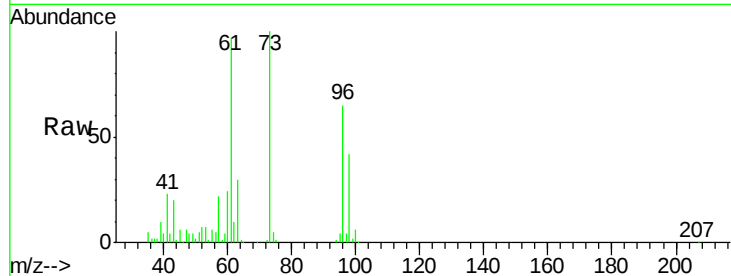
#19
Methyl tert-butyl Ether
Concen: 19.727 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBS01

Tot Ion: 73 Resp: 95398
Ion Ratio Lower Upper
73 100
57 21.6 16.4 24.6

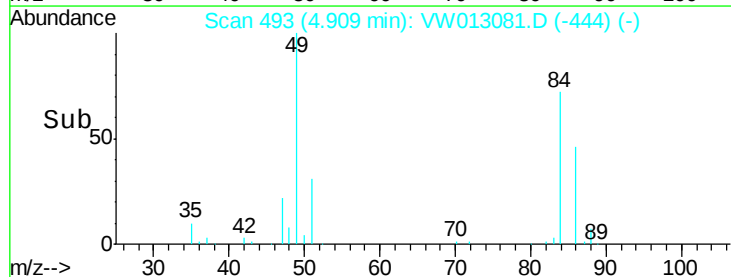
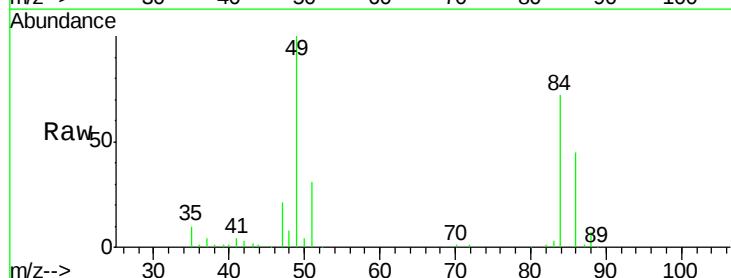
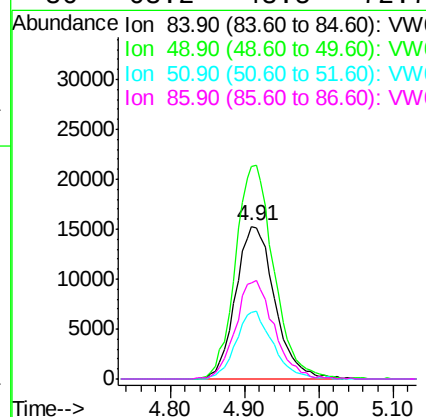
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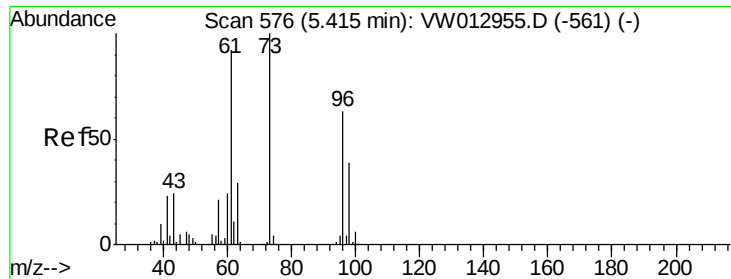
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#20
Methylene Chloride
Concen: 17.873 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion: 84 Resp: 56157
Ion Ratio Lower Upper
84 100
49 139.3 102.0 153.0
51 43.6 34.0 51.0
86 63.2 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 20.055 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

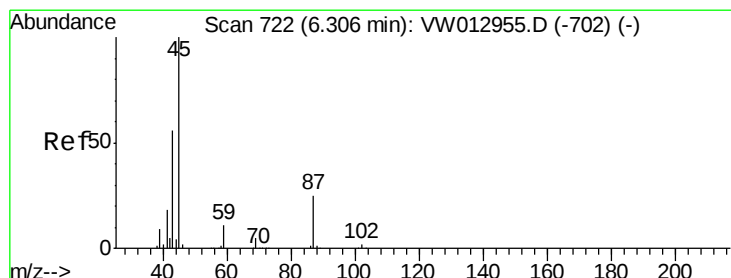
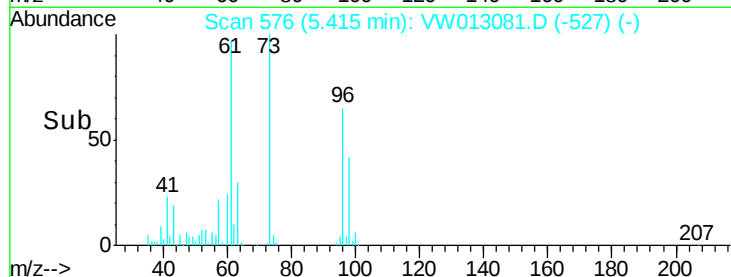
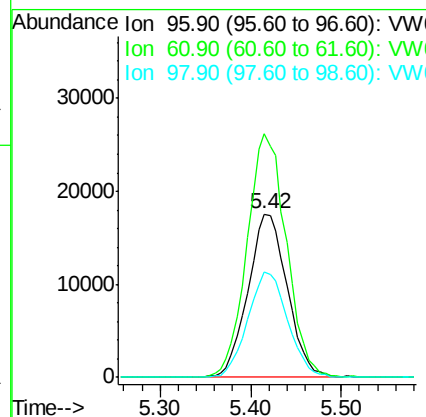
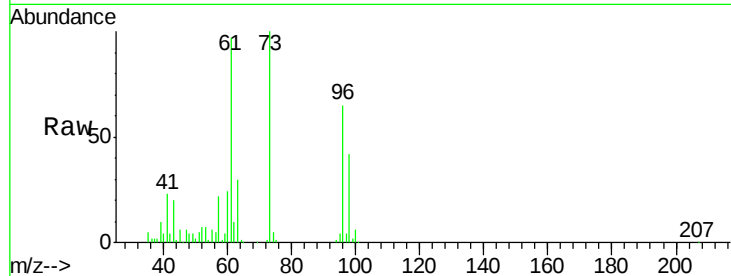
ClientSampleId :

VW0917SBSD01

Tot Ion:	96	Resp:	52621
Ion	Ratio	Lower	Upper
96	100		
61	149.4	116.2	174.2
98	64.3	49.8	74.6

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#22

Diisopropyl ether

Concen: 20.637 ug/l

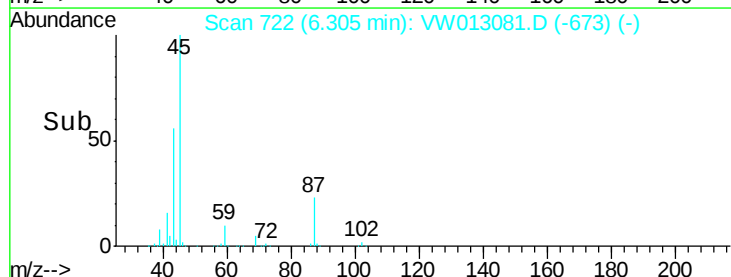
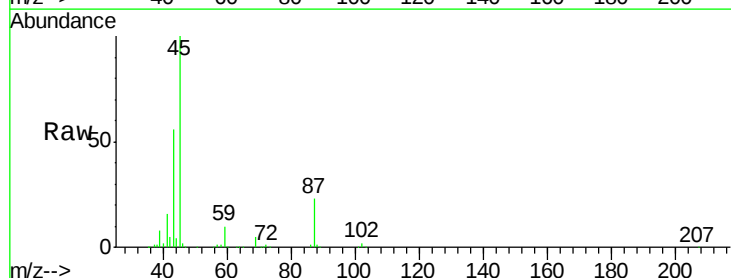
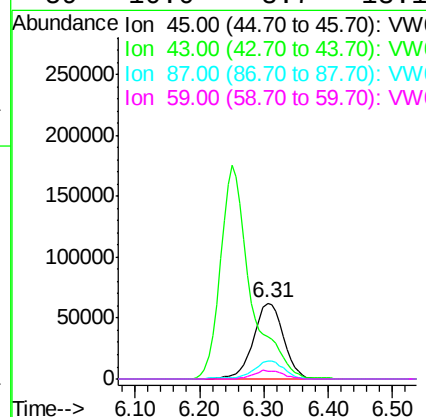
RT: 6.31 min Scan# 722

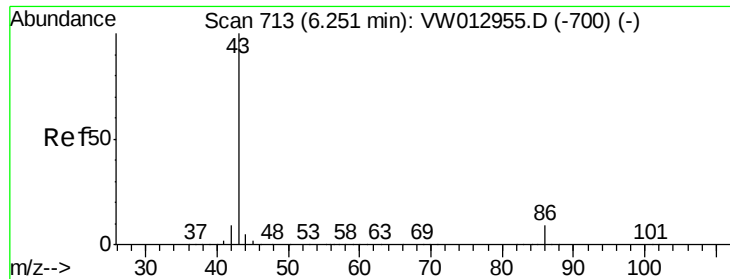
Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Tgt Ion:	45	Resp:	199393
Ion	Ratio	Lower	Upper
45	100		
43	55.7	44.6	67.0
87	23.1	20.0	30.0
59	10.0	8.7	13.1





#23

Vinyl Acetate

Concen: 99.190 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0917SBS01

Tot Ion: 43 Resp: 573998

Ion Ratio Lower Upper

43 100

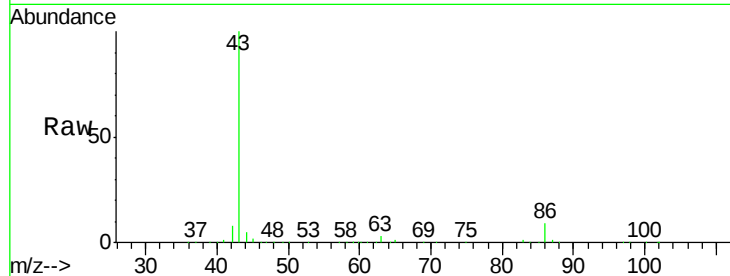
86 9.1 7.0 10.6

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

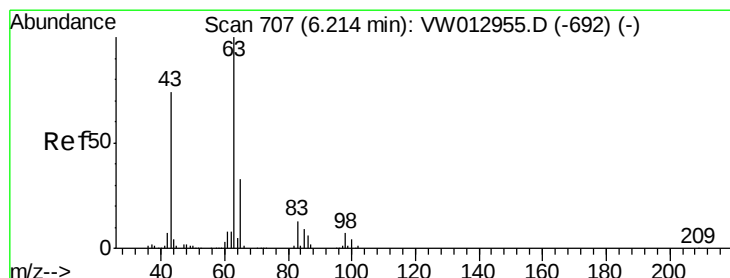
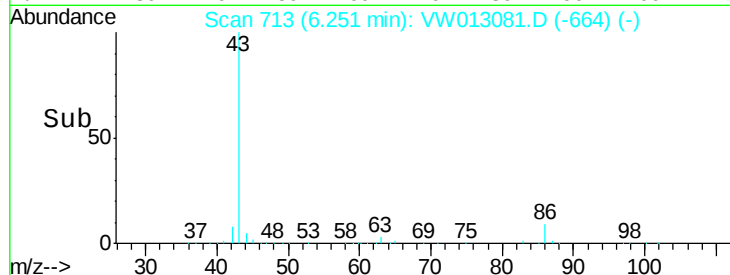
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.592 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

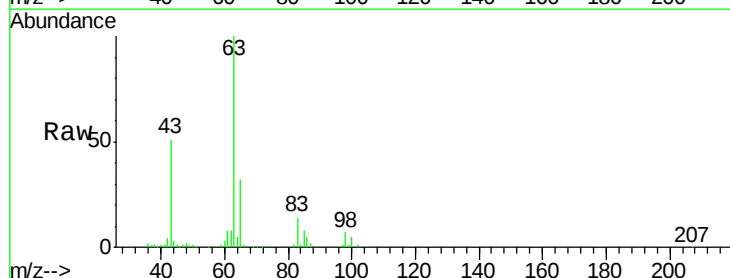
Tgt Ion: 63 Resp: 109140

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

100 4.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

50000

40000

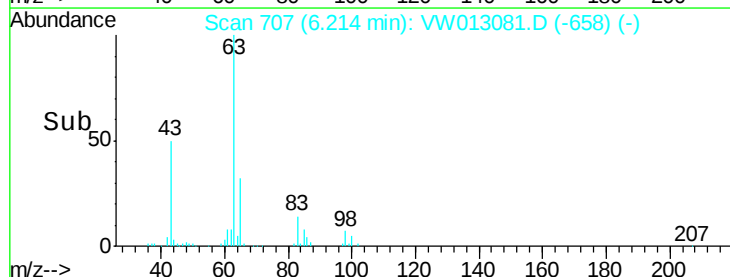
30000

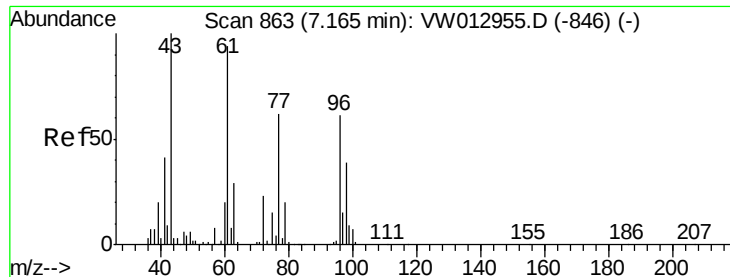
20000

10000

0

Time-->





#25

2-Butanone

Concen: 97.470 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0917SBS01

Tot Ion: 43 Resp: 101592

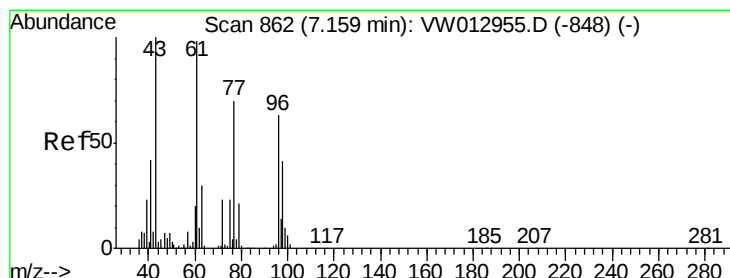
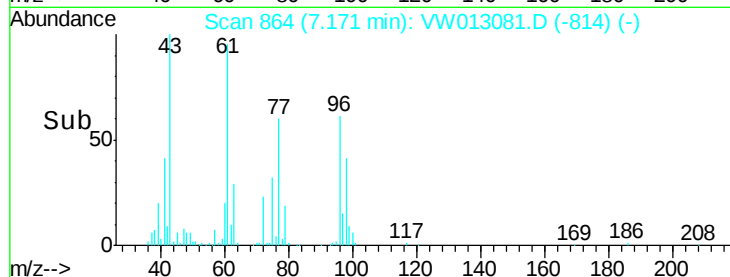
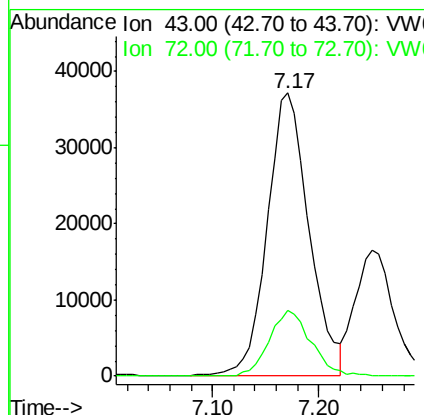
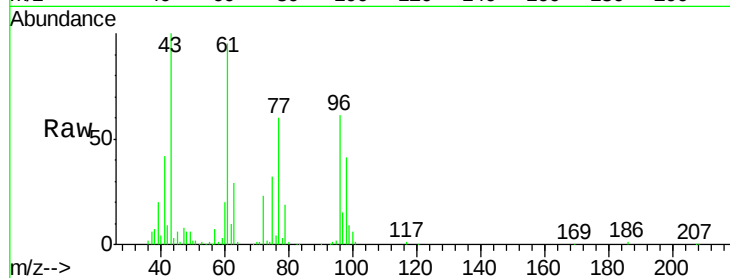
Ion Ratio Lower Upper

43 100

72 23.4 18.2 27.4

Manual Integrations
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9/19/2019 1:27:46 AM



#26

2,2-Dichloropropane

Concen: 18.417 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013081.D

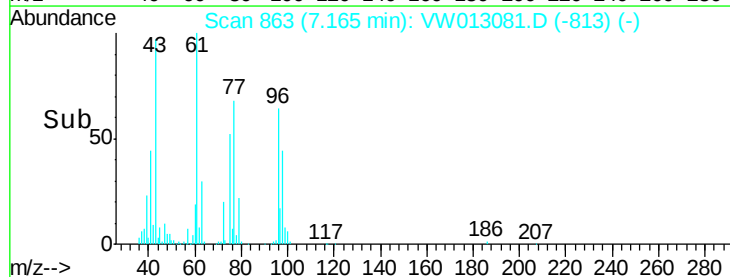
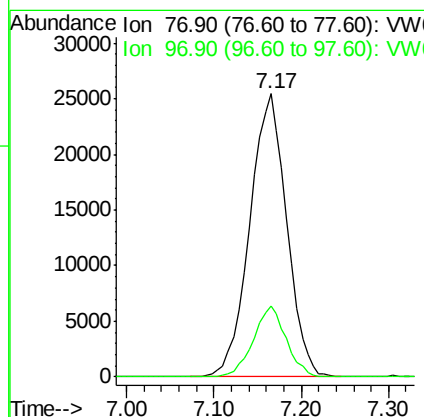
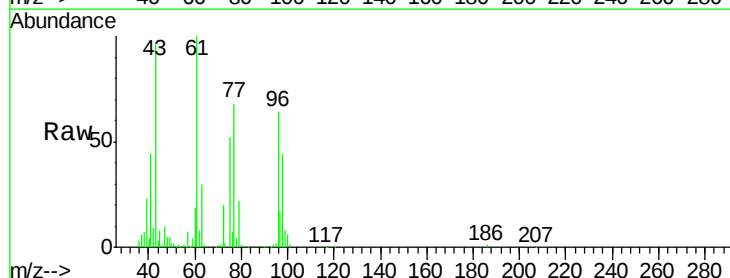
Acq: 17 Sep 2019 11:19

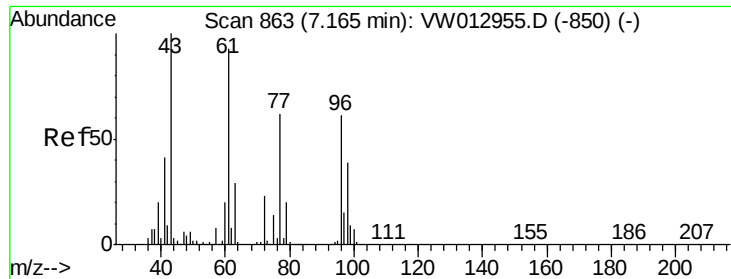
Tgt Ion: 77 Resp: 74794

Ion Ratio Lower Upper

77 100

97 22.1 10.7 32.1





#27

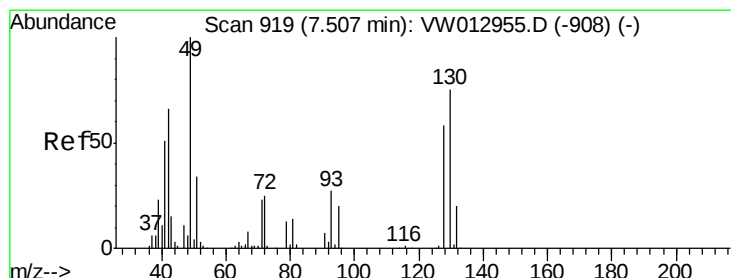
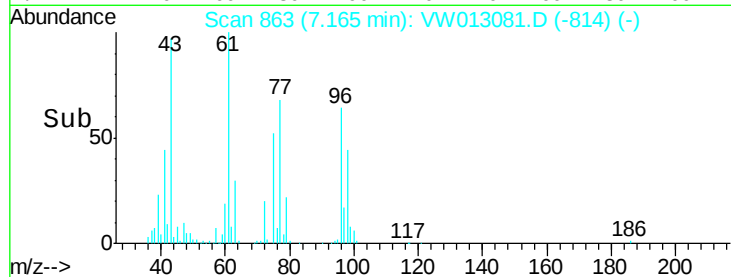
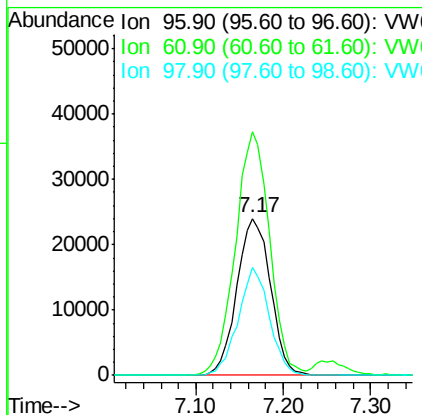
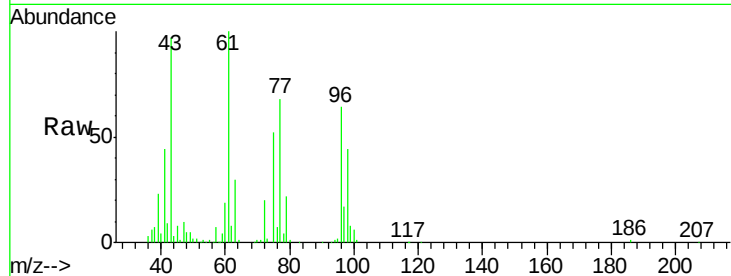
cis-1,2-Dichloroethene
 Concen: 20.450 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0917SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	315.4
98	63.5	0.0	131.0

Manual Integrations
 APPROVED

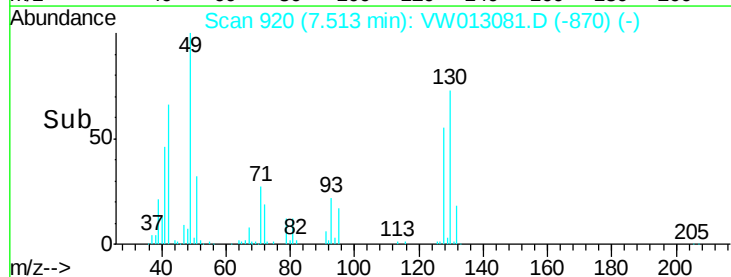
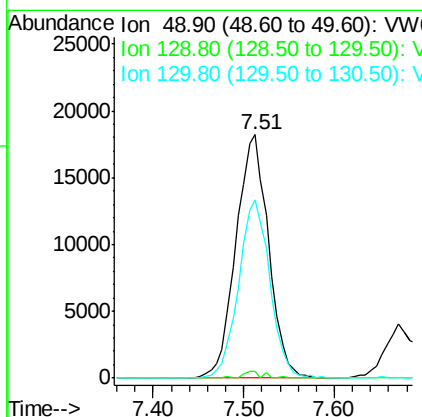
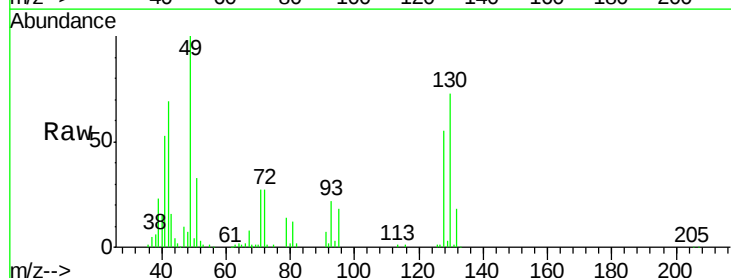
MMDadoda
 9/19/2019 1:27:46 AM

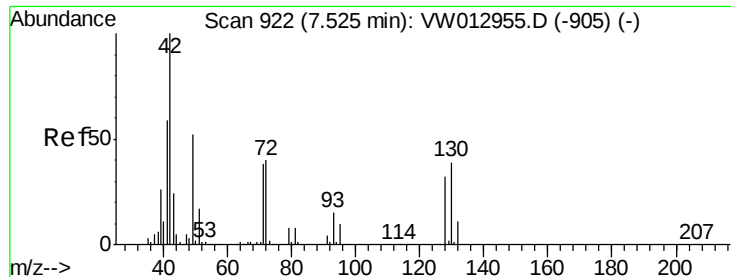


#28

Bromochloromethane
 Concen: 19.362 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	1.4#
130	70.3	57.8	86.6





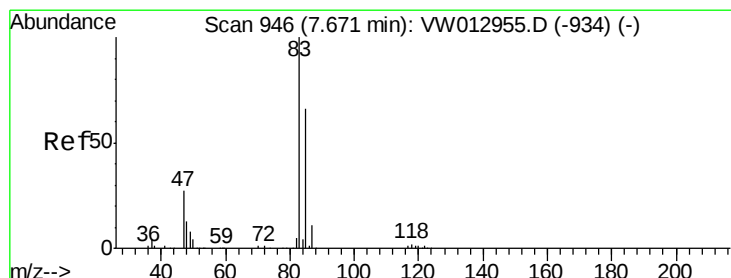
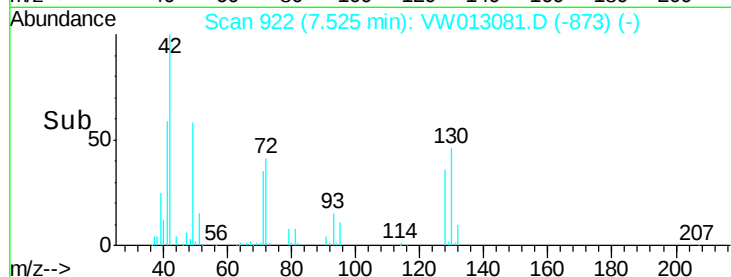
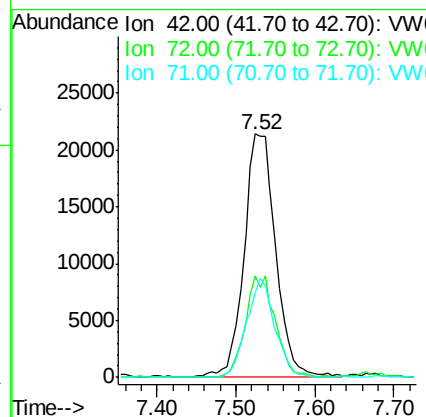
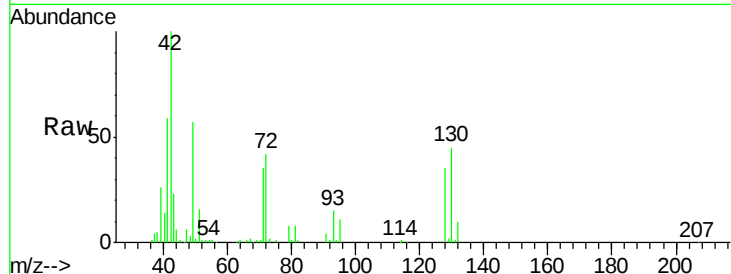
#29
Tetrahydrofuran
Concen: 100.908 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	31.4	47.0
71	36.4	29.8	44.8

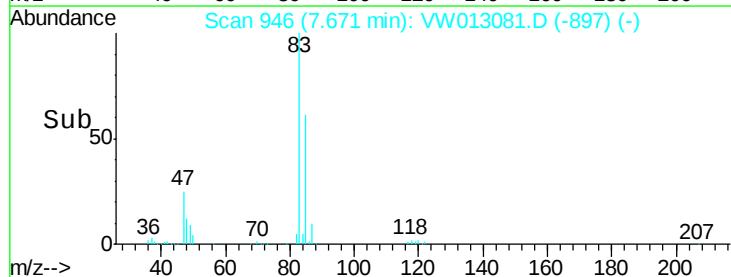
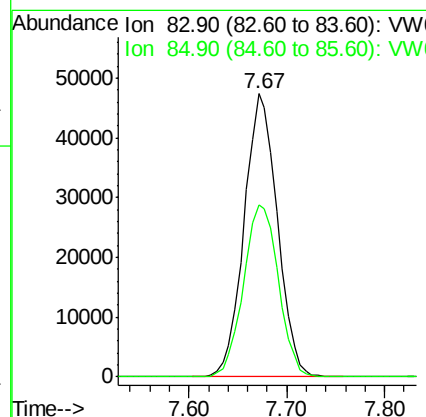
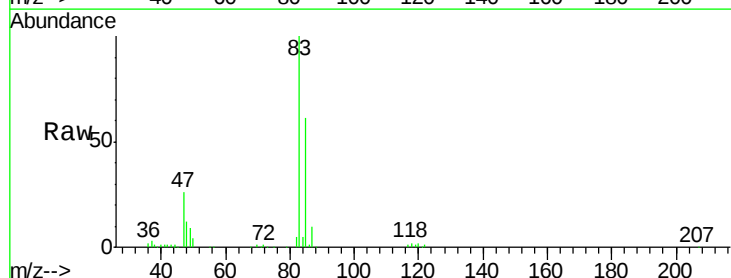
Manual Integrations
APPROVED

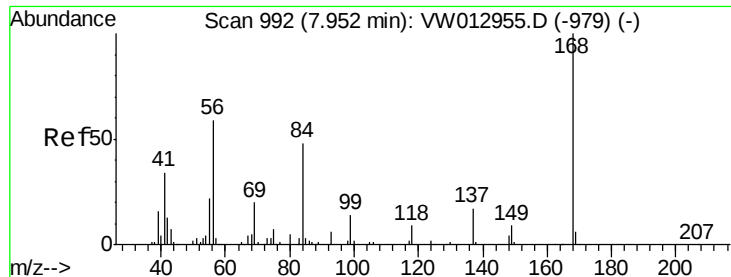
MMDadoda
9/19/2019 1:27:46 AM



#30
Chloroform
Concen: 19.736 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.9	52.8	79.2





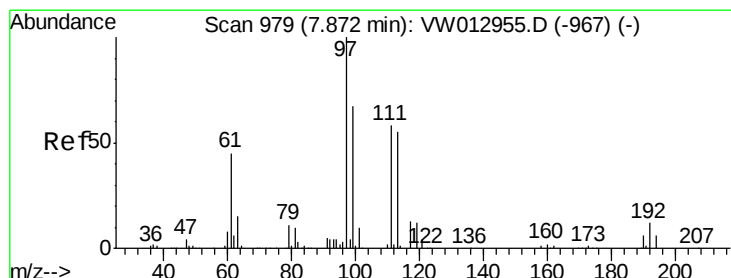
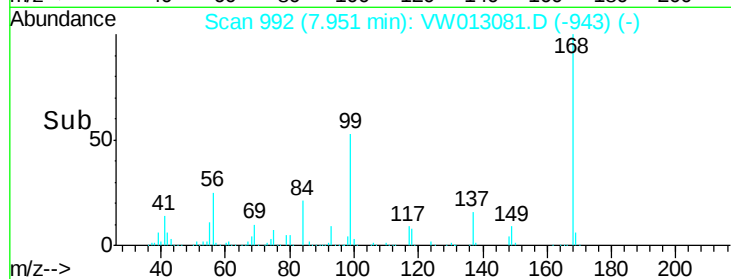
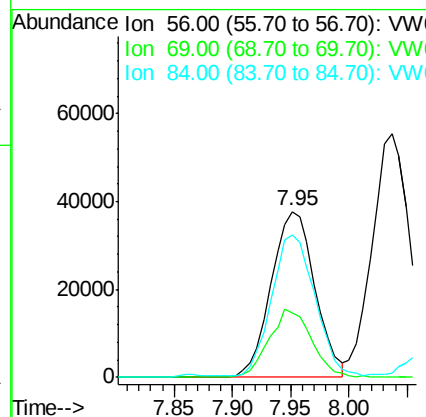
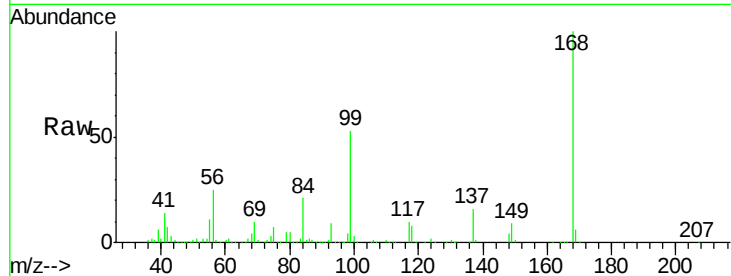
#31
Cyclohexane
Concen: 21.005 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
56	100			
69	39.2	27.0	40.6	
84	84.1	66.2	99.2	

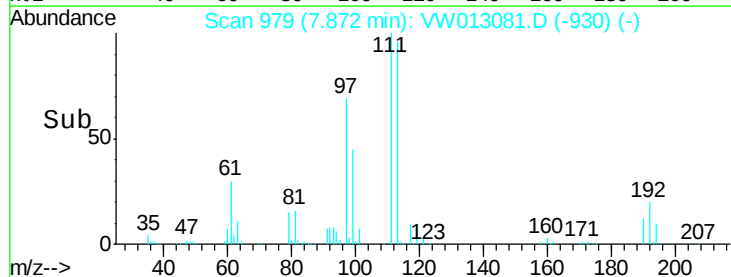
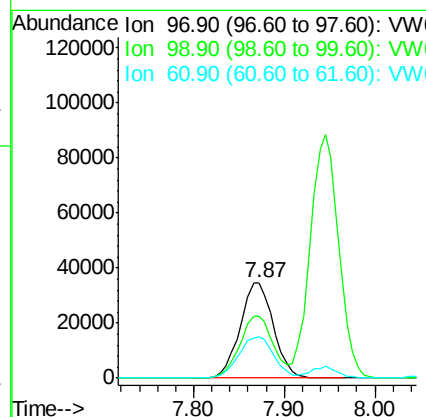
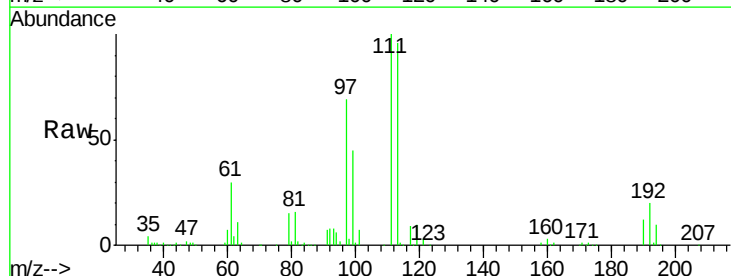
Manual Integrations
APPROVED

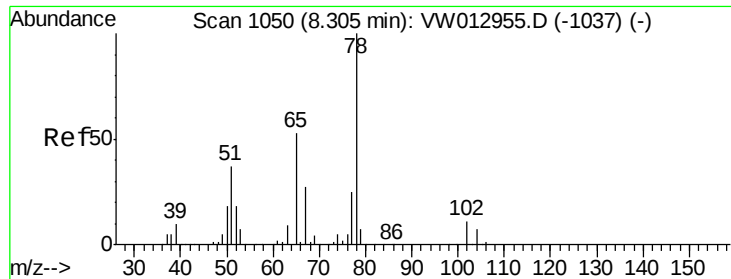
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#32
1,1,1-Trichloroethane
Concen: 18.888 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	65.4	53.0	79.4	
61	45.8	36.5	54.7	





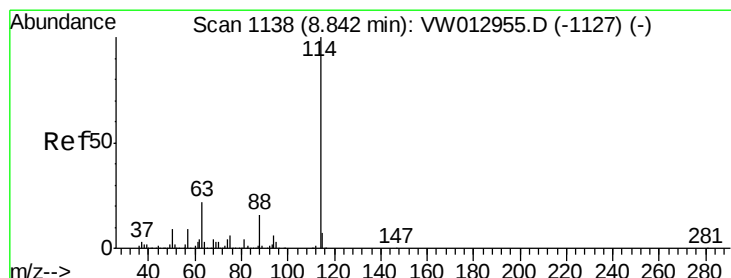
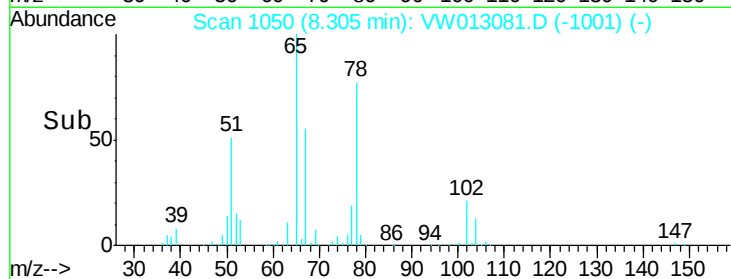
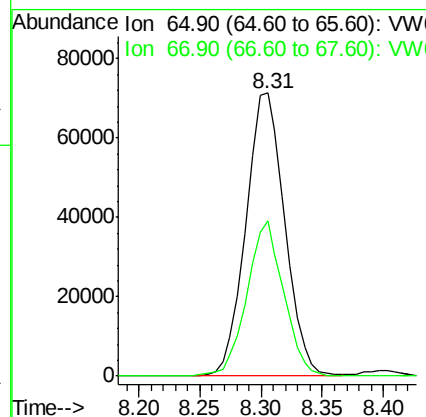
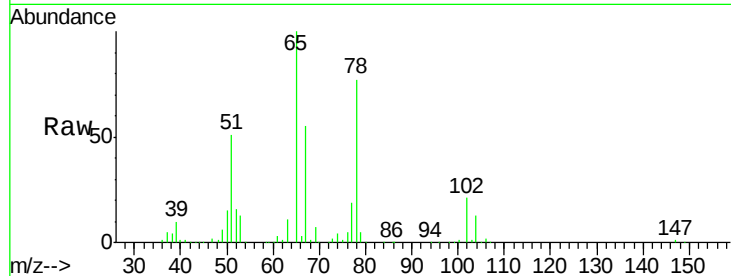
#33
 1,2-Dichloroethane-d4
 Concen: 48.193 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0917SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	157971		
67	51.9	0.0	101.2	

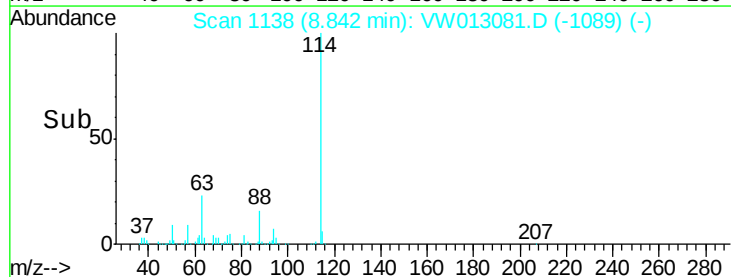
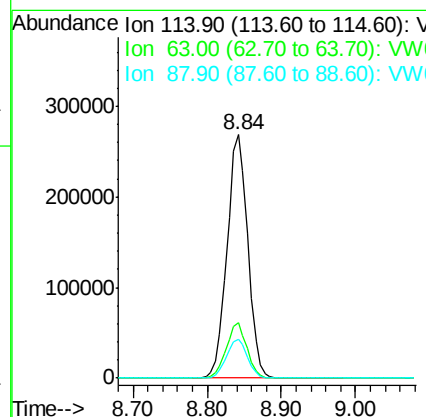
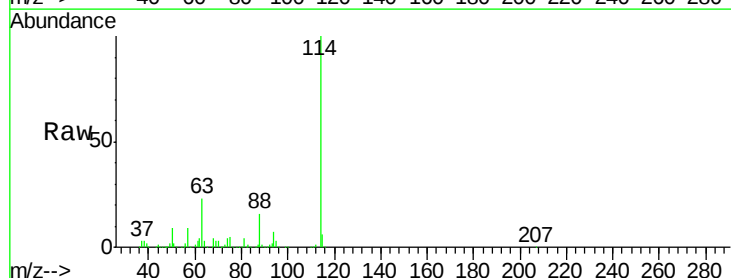
Manual Integrations
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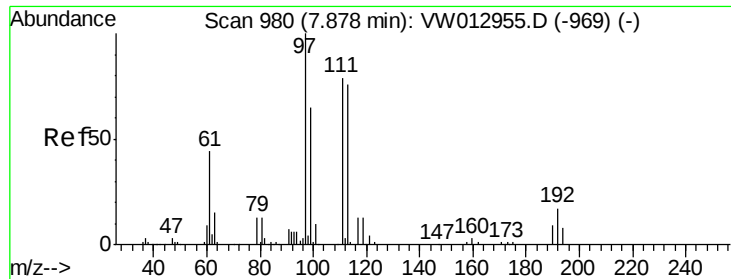
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 9/19/2019 1:27:46 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	520495		
63	22.8	0.0	43.4	
88	15.8	0.0	31.6	





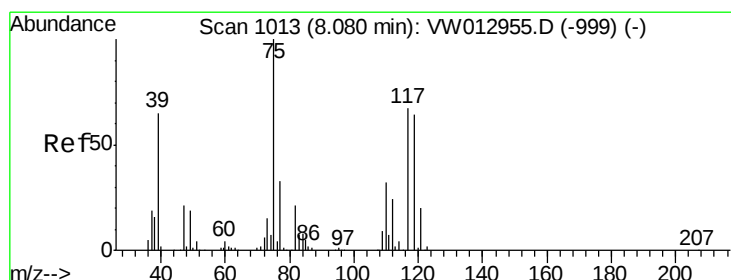
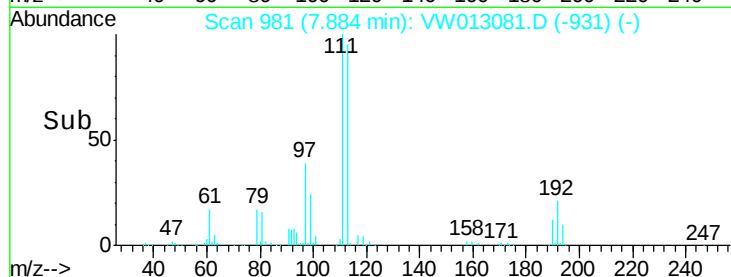
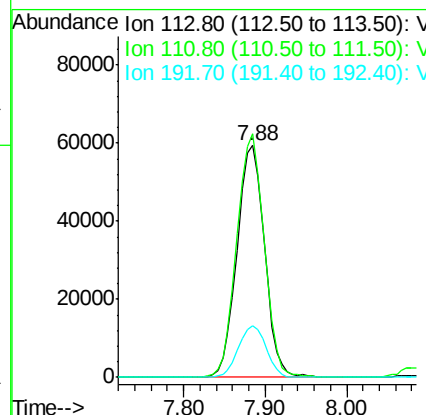
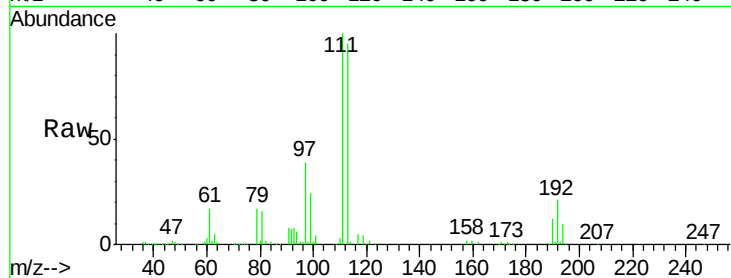
#35
 Dibromofluoromethane
 Concen: 48.957 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0917SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138268		
111	104.4	82.8	124.2	
192	22.5	17.8	26.8	

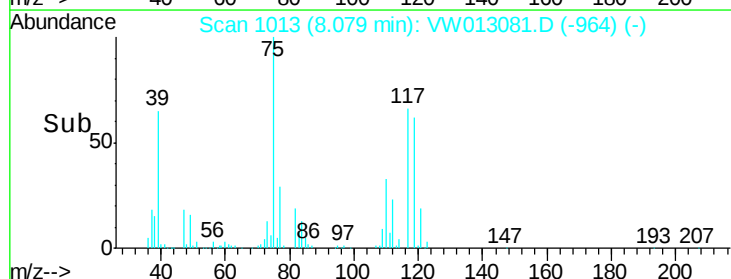
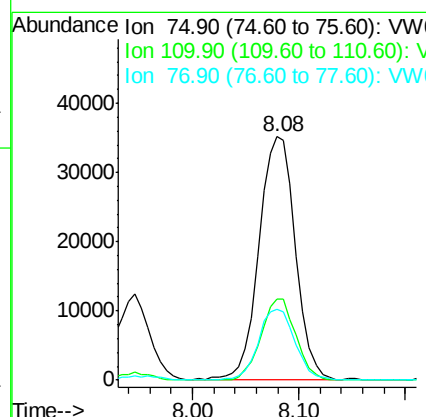
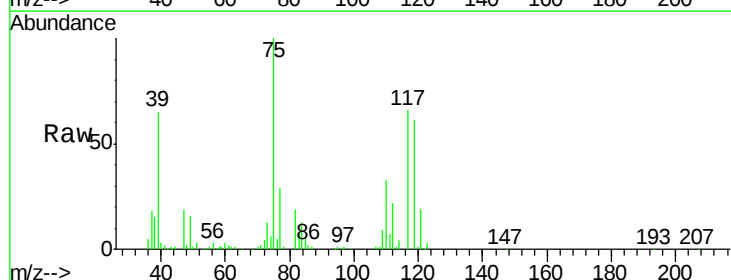
Manual Integrations
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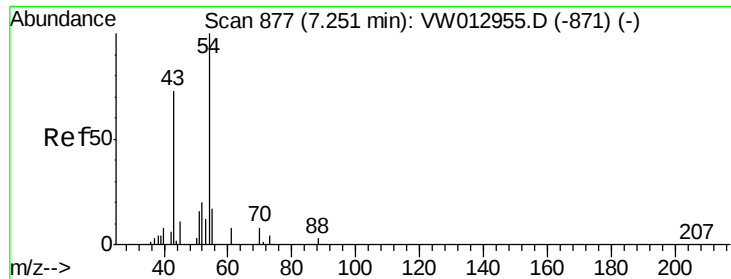
MMDadoda
 9/19/2019 1:27:46 AM



#36
 1,1-Dichloropropene
 Concen: 20.042 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83358		
110	32.3	16.4	49.1	
77	29.9	25.1	37.7	





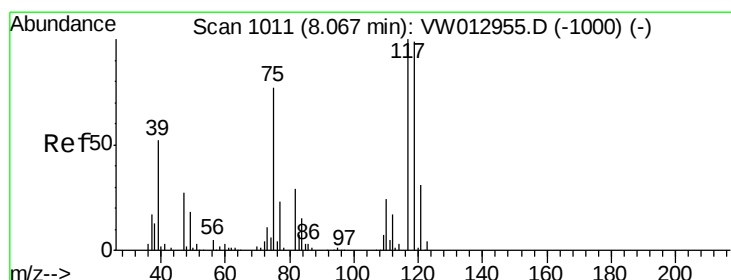
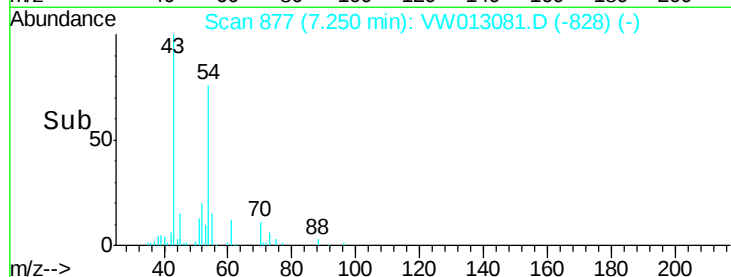
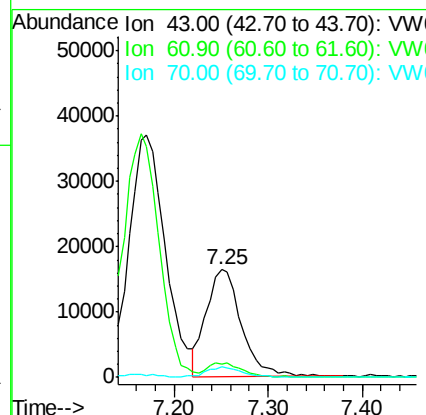
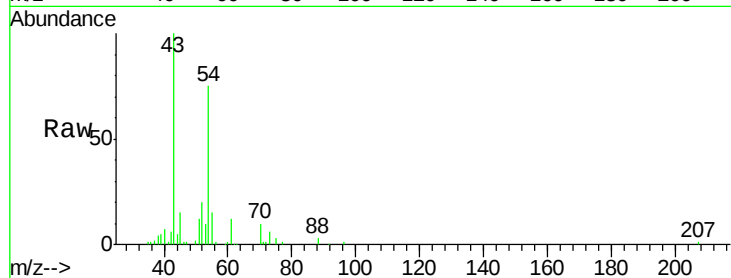
#37
Ethyl Acetate
Concen: 19.297 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.6	14.4
70	9.7	7.6	11.4

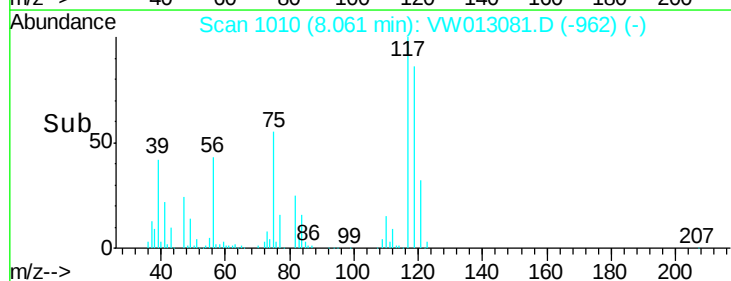
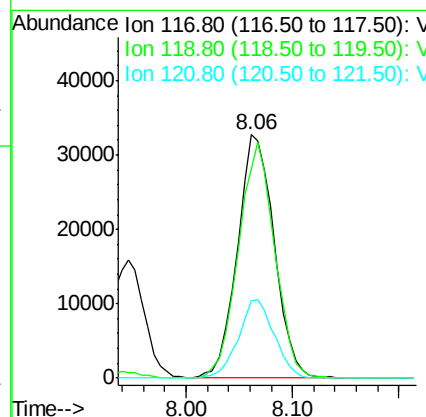
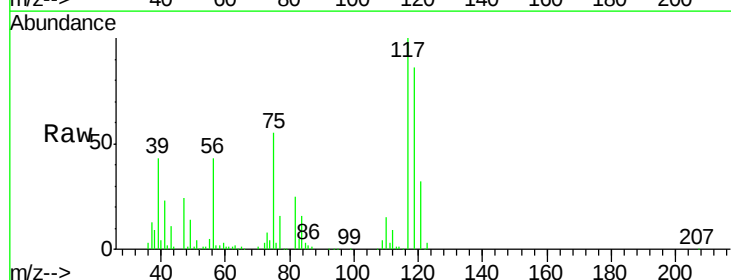
Manual Integrations
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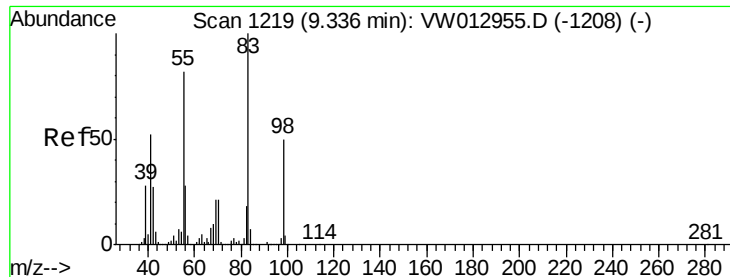
MMDadoda
9/19/2019 1:27:46 AM



#38
Carbon Tetrachloride
Concen: 18.639 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.1	79.4	119.0
121	31.5	24.6	36.8





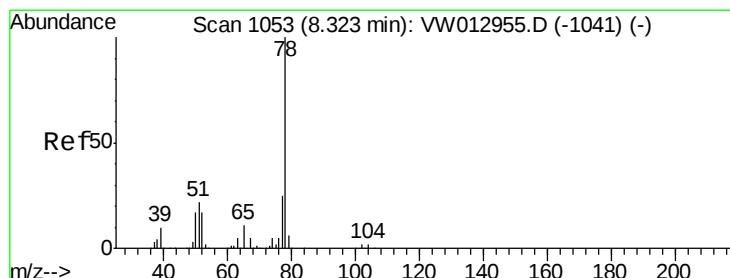
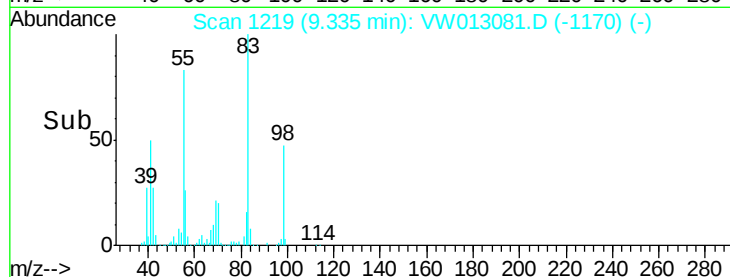
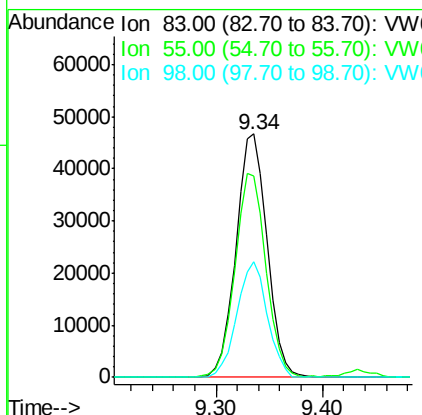
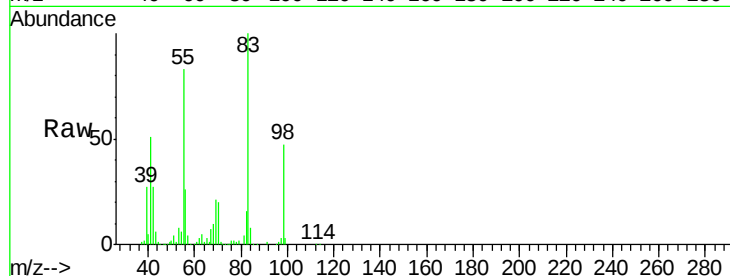
#39
Methvlcvclohexane
Concen: 21.033 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.8	65.9	98.9
98	47.5	39.6	59.4

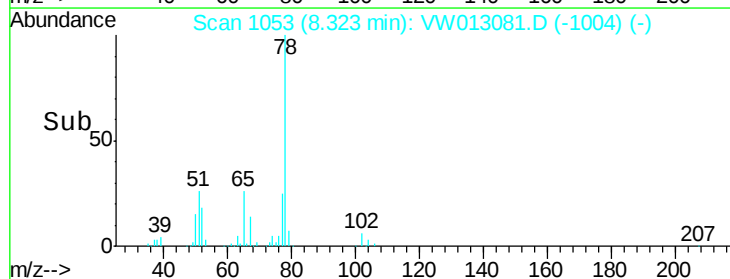
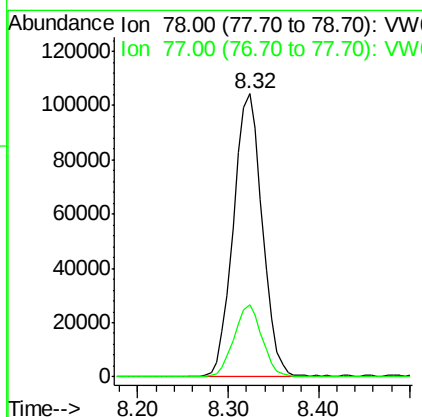
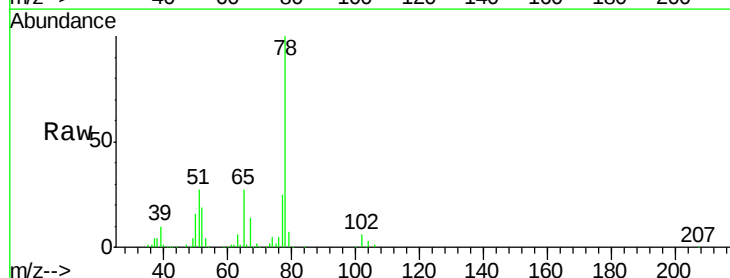
Manual Integrations
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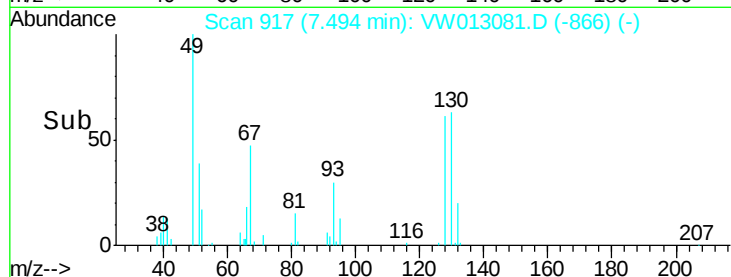
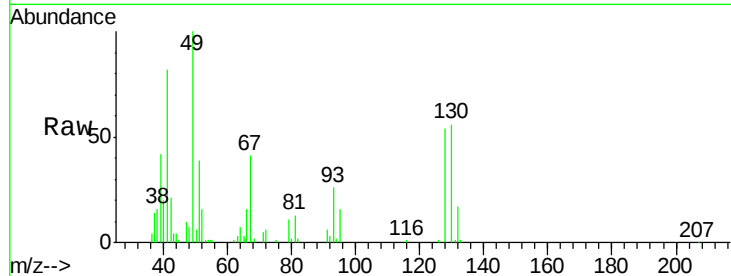
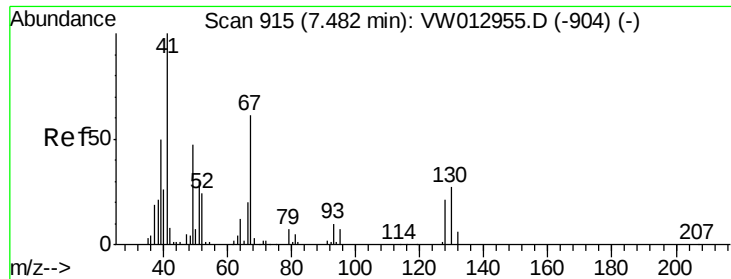
MMDadoda
9/19/2019 1:27:46 AM



#40
Benzene
Concen: 19.939 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

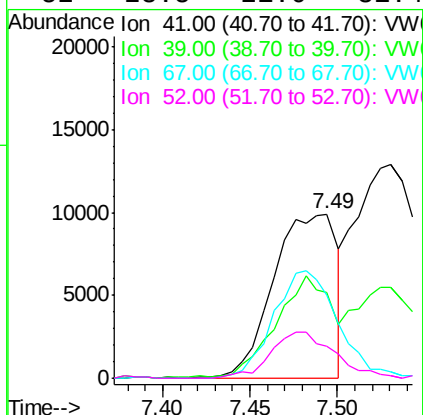
Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	19.6	29.4





#41
Methacrylonitrile
Concen: 17.262 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

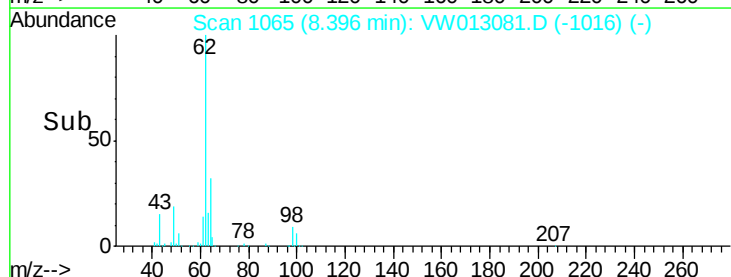
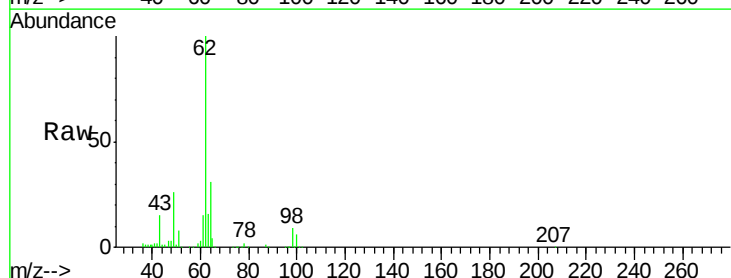
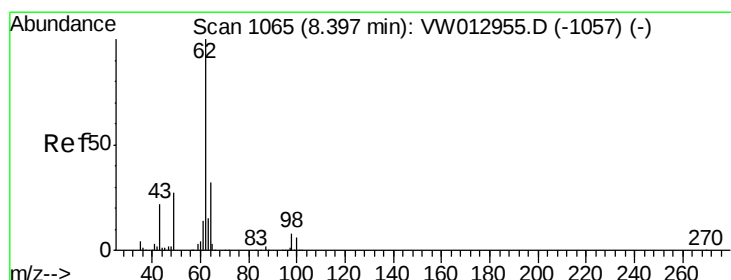
Tot Ion	41	Resp	25096
Ion Ratio	Lower	Upper	
41	100		
39	54.9	48.2	72.4
67	66.7	47.5	71.3
52	28.5	21.0	31.4



Instrument :
MSVOA_W
ClientSampleId :
VW0917SBS01

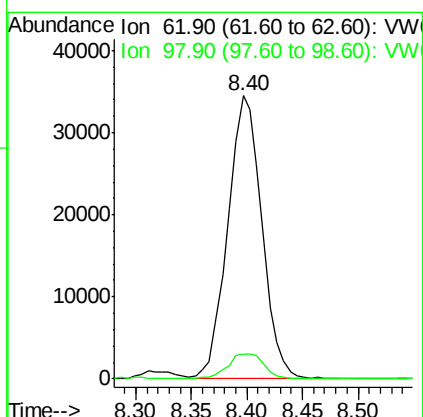
Manual Integrations
APPROVED

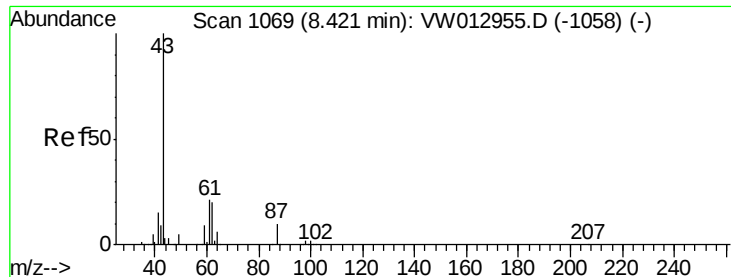
MMDadoda
9/19/2019 1:27:46 AM



#42
1,2-Dichloroethane
Concen: 18.749 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion	62	Resp	72976
Ion Ratio	Lower	Upper	
62	100		
98	9.4	0.0	16.8





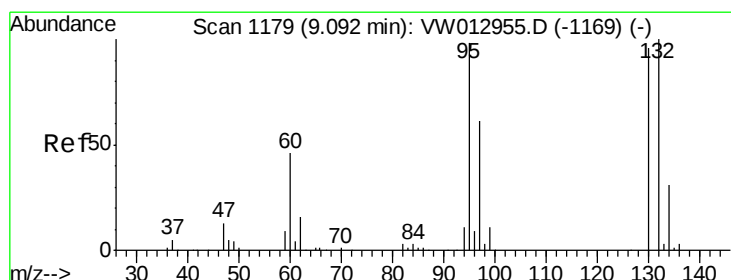
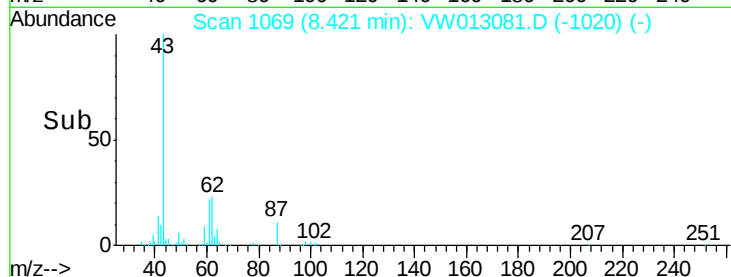
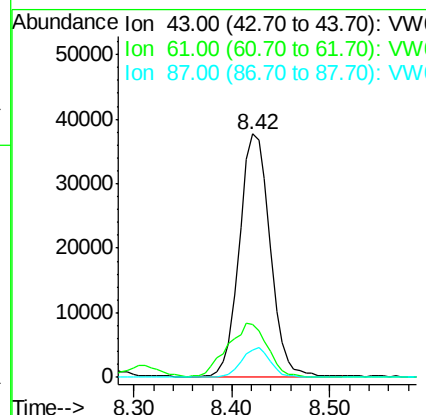
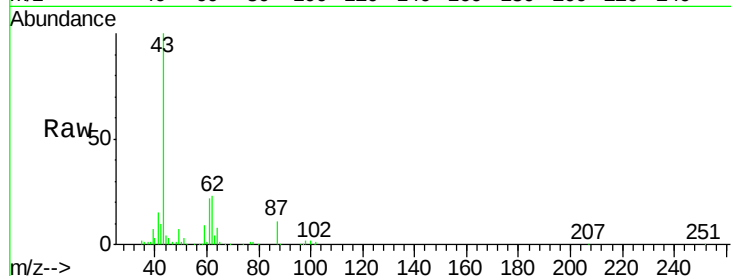
#43
Isopropyl Acetate
Concen: 19.566 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBS01

Tot Ion:	43	Resp:	82937
Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.7	34.1
87	11.3	9.4	14.2

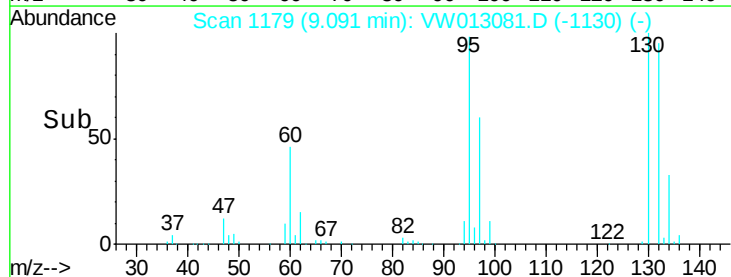
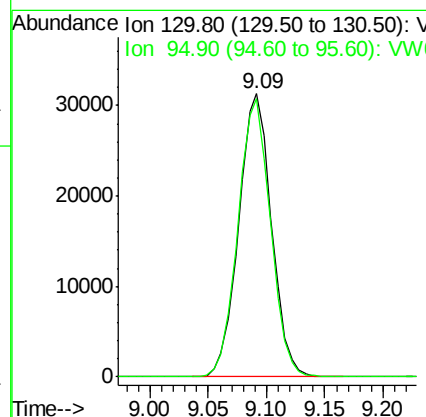
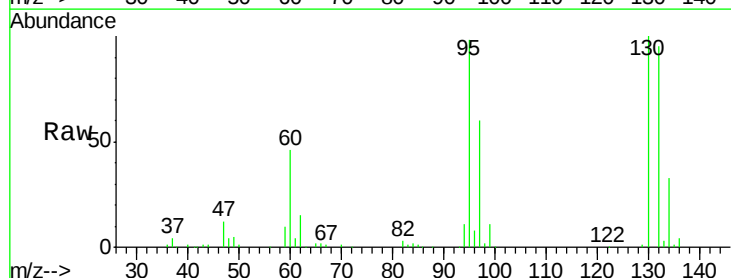
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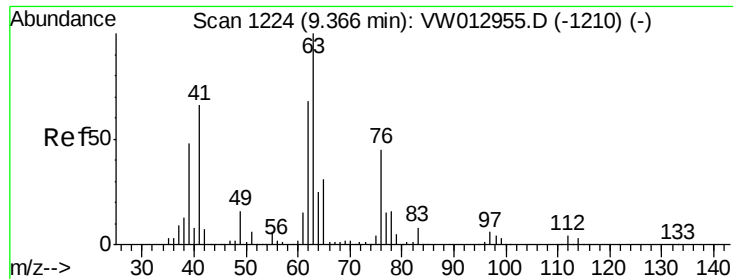
MMDadoda
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#44
Trichloroethene
Concen: 19.303 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion:	130	Resp:	61392
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	204.4





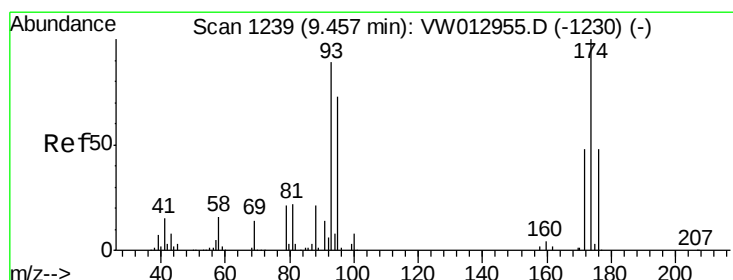
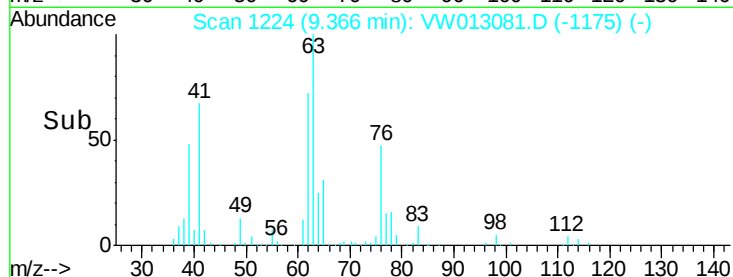
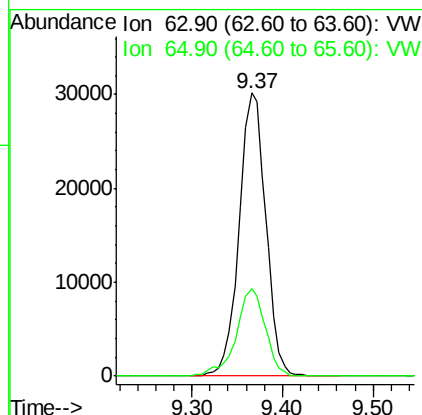
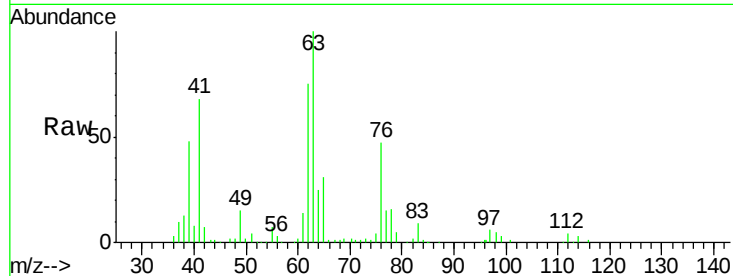
#45
 1,2-Dichloropropane
 Concen: 19.911 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0917SBSD01

Tot Ion: 63 Resp: 61423
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 37.0

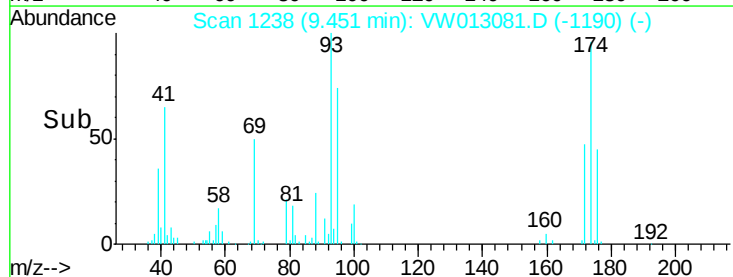
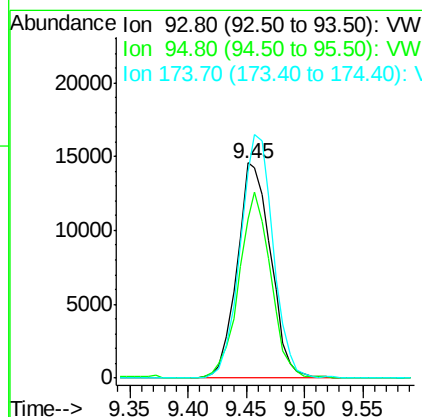
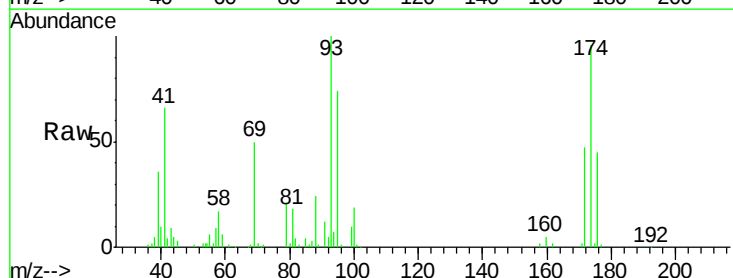
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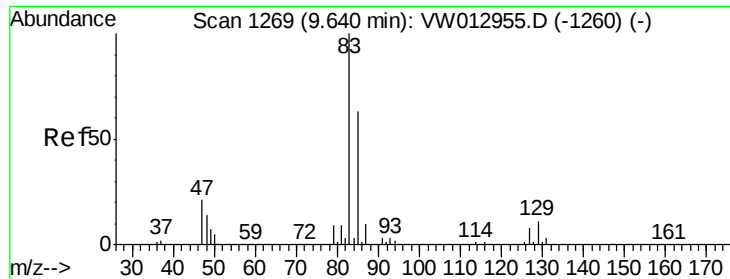
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#46
 Dibromomethane
 Concen: 19.884 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion: 93 Resp: 29388
 Ion Ratio Lower Upper
 93 100
 95 81.4 67.0 100.4
 174 110.4 90.5 135.7





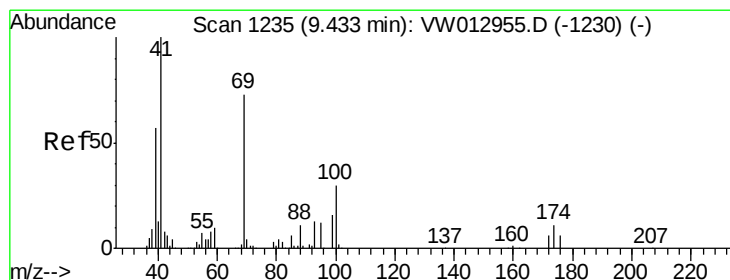
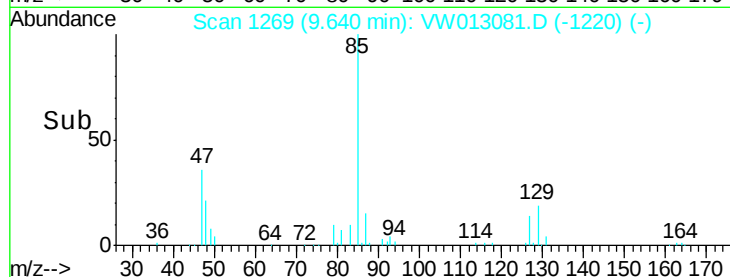
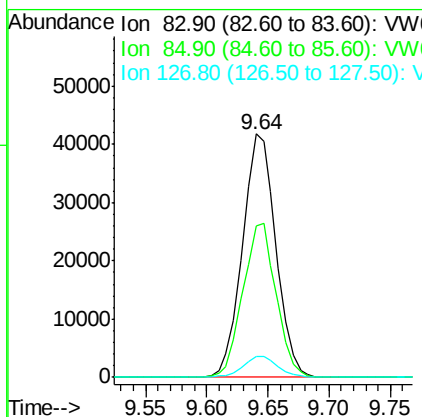
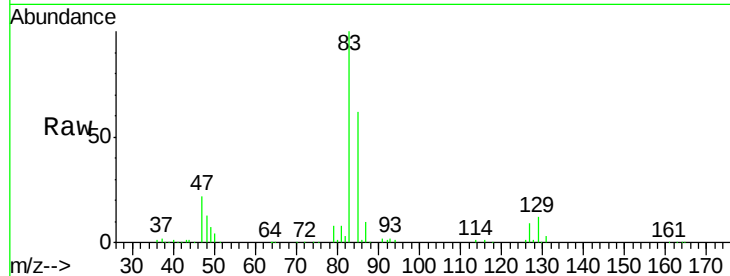
#47
Bromodichloromethane
Concen: 19.076 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBSD01

Tot Ion	83	Resp	79084
Ion Ratio	100	Lower	Upper
83	100		
85	62.2	50.6	75.8
127	8.7	6.7	10.1

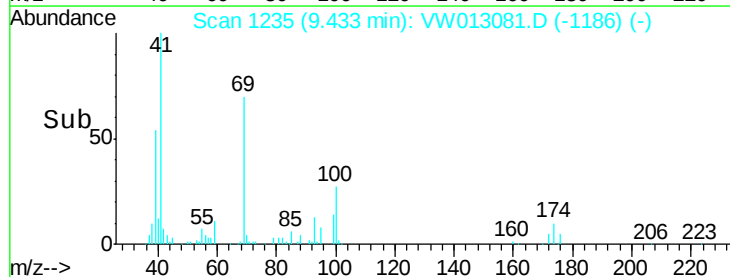
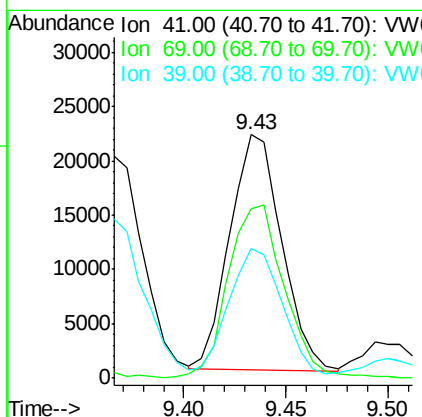
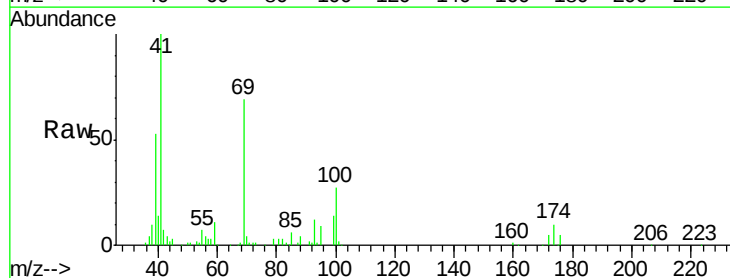
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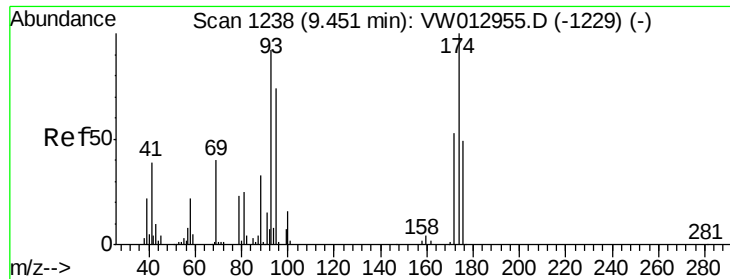
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#48
Methyl methacrylate
Concen: 19.239 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion	41	Resp	38273
Ion Ratio	100	Lower	Upper
41	100		
69	80.2	62.8	94.2
39	56.9	48.5	72.7





#49

1,4-Dioxane

Concen: 350.935 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

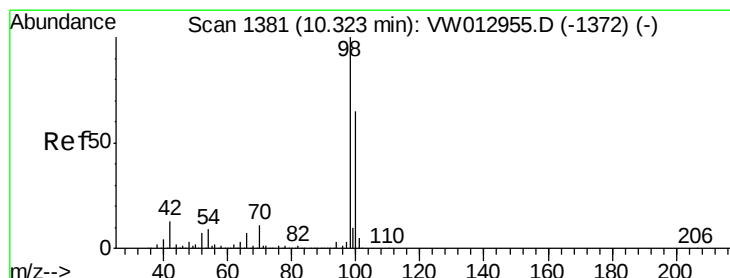
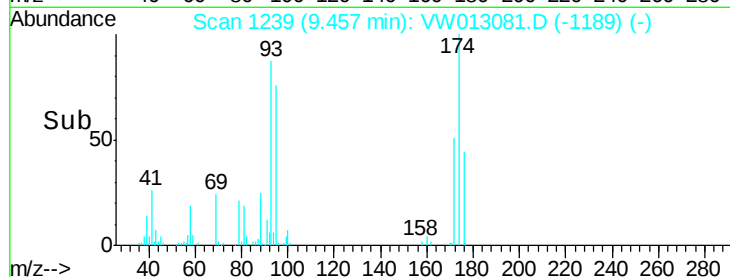
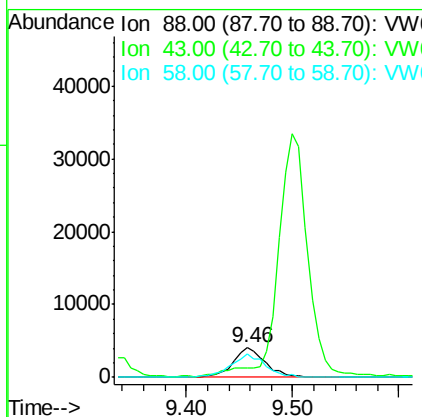
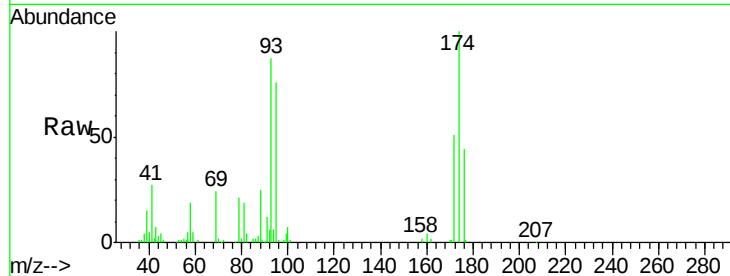
ClientSampleId :

VW0917SBS01

Tot Ion:	88	Resp:	8691
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	83.3	60.2	90.2

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#50

Toluene-d8

Concen: 50.687 ug/l

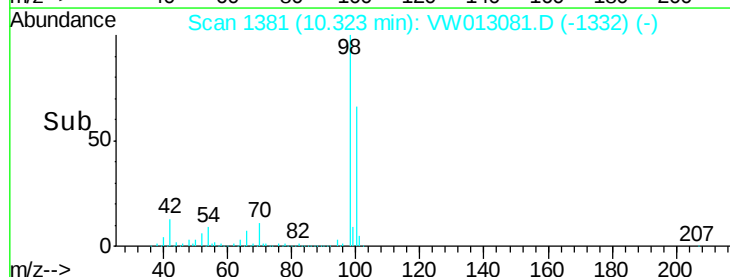
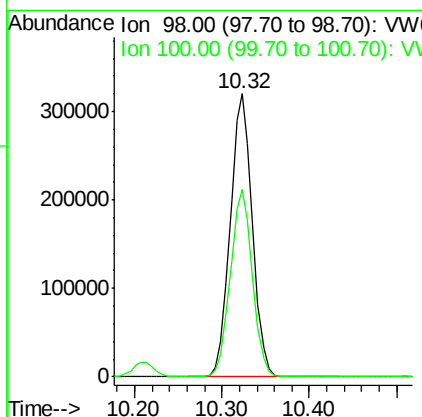
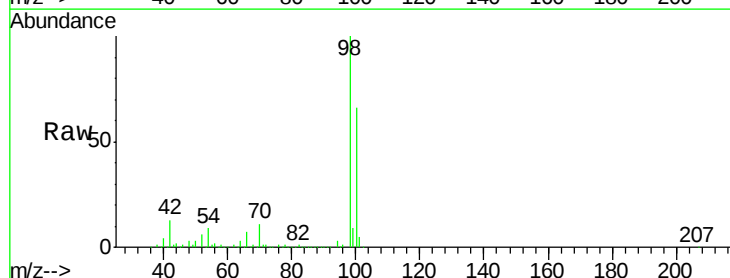
RT: 10.32 min Scan# 1381

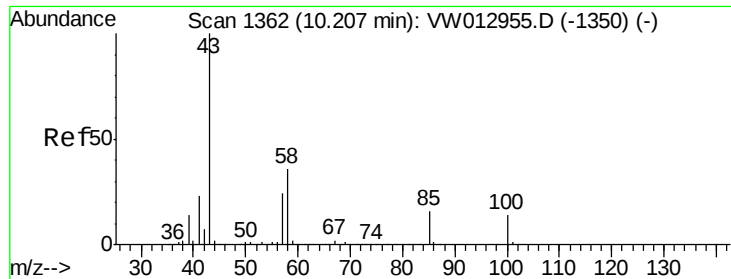
Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Tgt Ion:	98	Resp:	560172
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 97.099 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0917SBS01

Tot Ion: 43 Resp: 212490

Ion Ratio Lower Upper

43 100

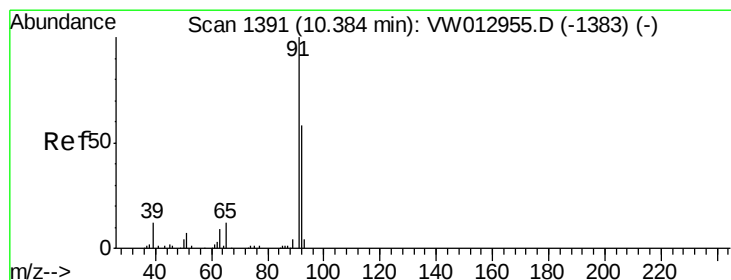
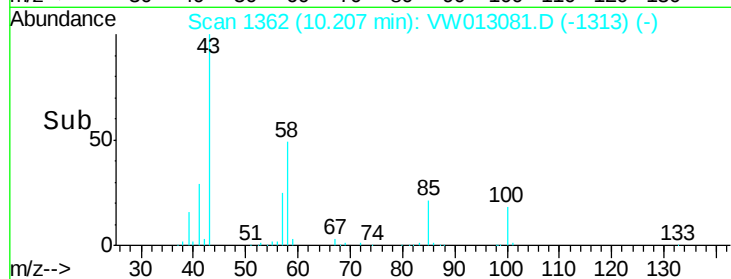
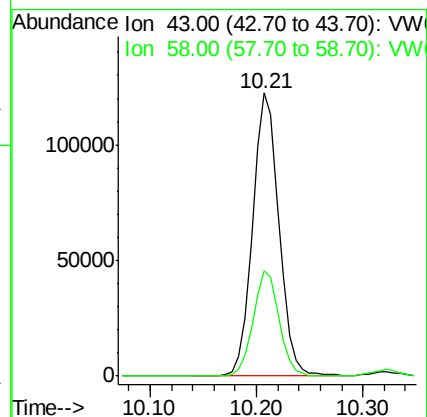
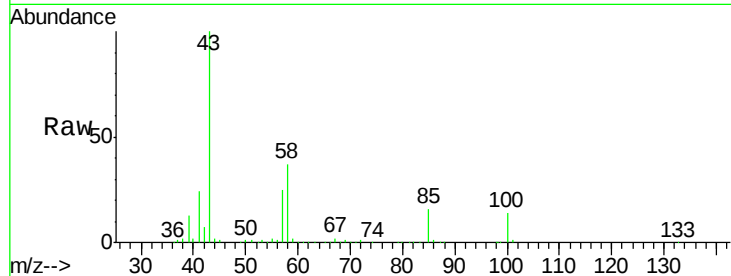
58 36.8 29.5 44.3

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#52

Toluene

Concen: 20.052 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013081.D

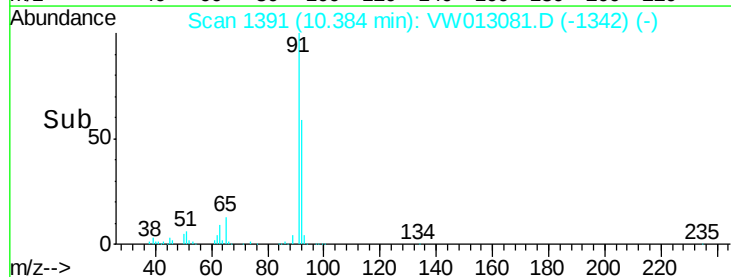
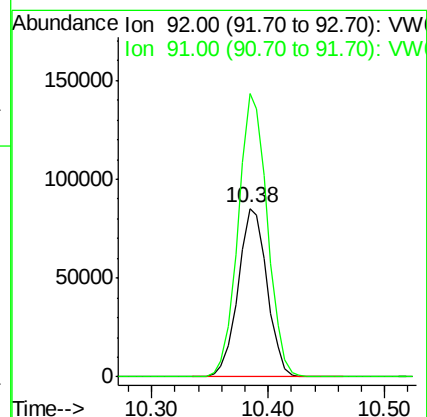
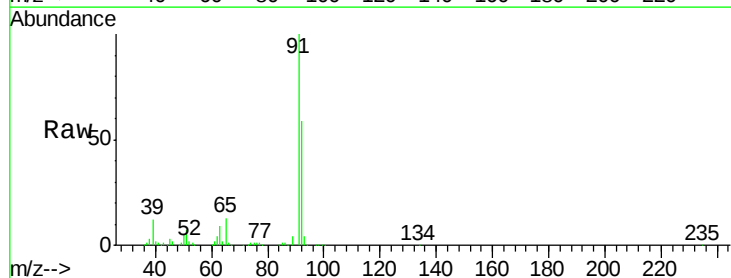
Acq: 17 Sep 2019 11:19

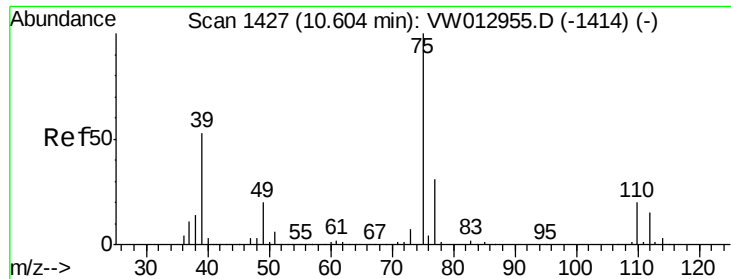
Tgt Ion: 92 Resp: 147948

Ion Ratio Lower Upper

92 100

91 169.2 137.5 206.3





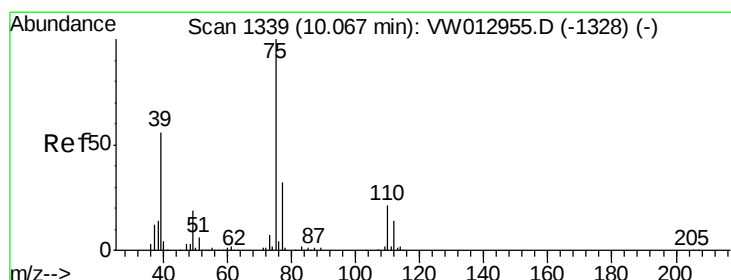
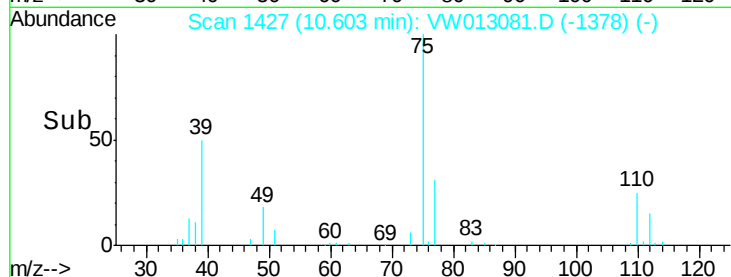
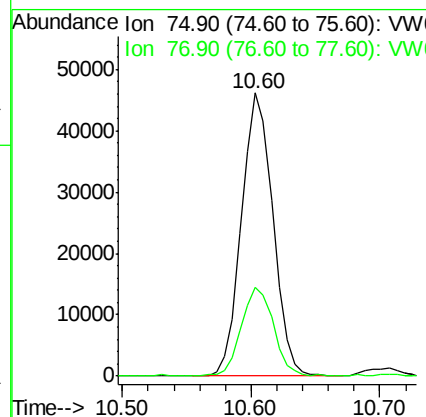
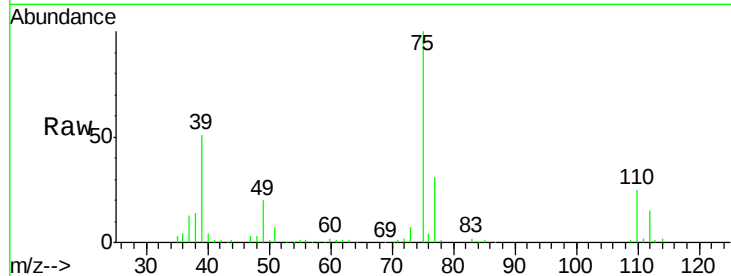
#53
t-1,3-Dichloropropene
Concen: 18.750 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.6	37.0

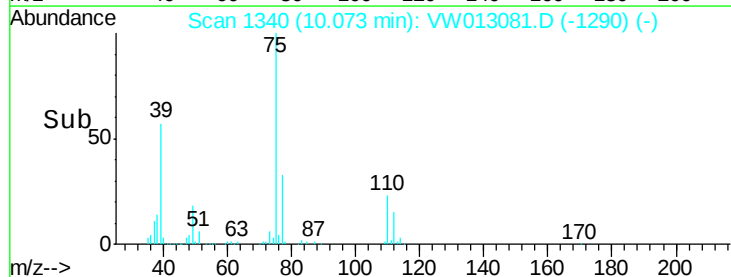
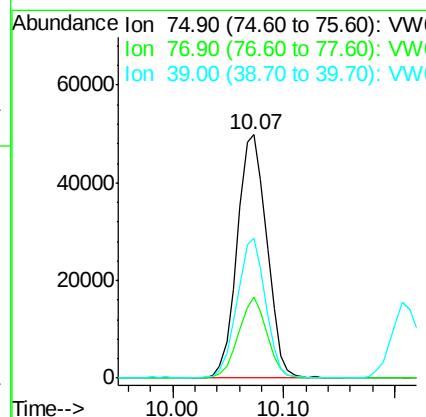
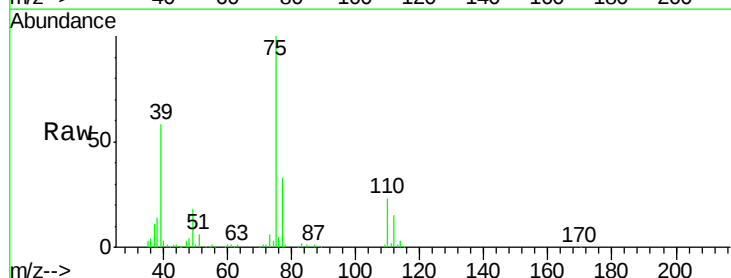
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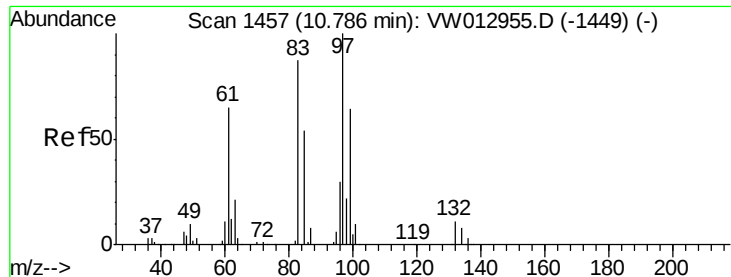
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#54
cis-1,3-Dichloropropene
Concen: 19.288 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.5	38.3
39	57.3	45.0	67.6





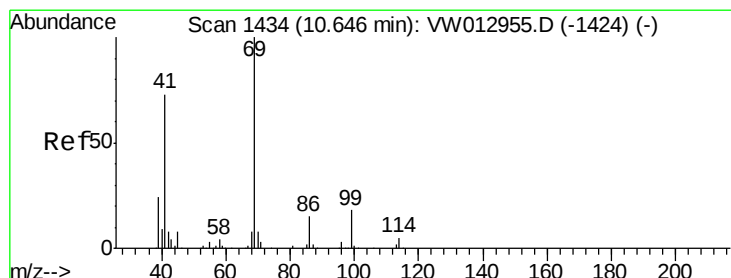
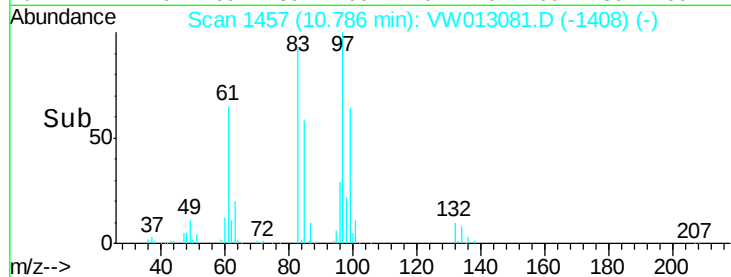
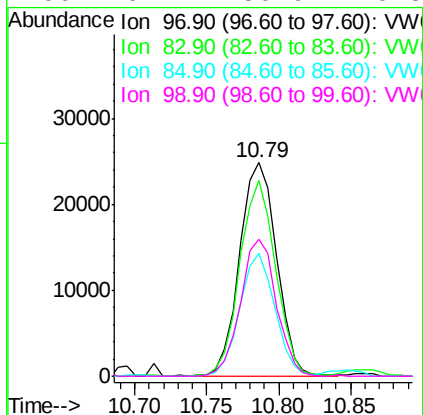
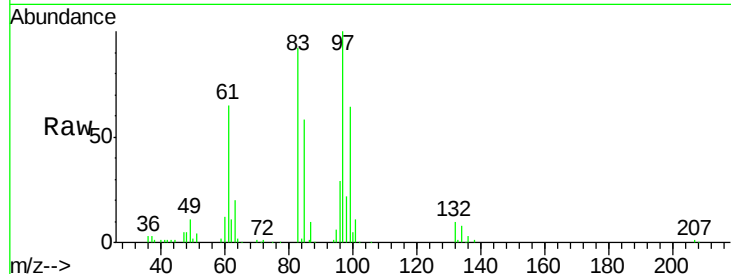
#55
 1,1,2-Trichloroethane
 Concen: 19.733 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0917SBSD01

Tot Ion:	97	Resp:	44430
Ion	Ratio	Lower	Upper
97	100		
83	91.8	69.4	104.0
85	57.7	43.3	64.9
99	64.1	50.9	76.3

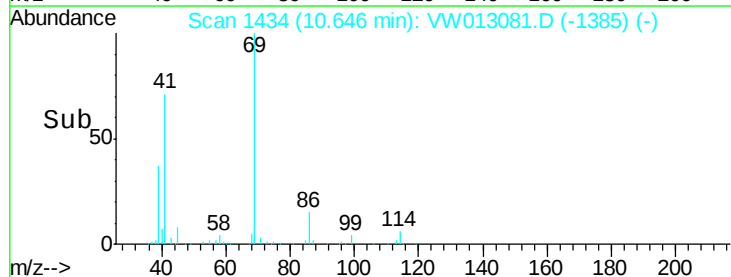
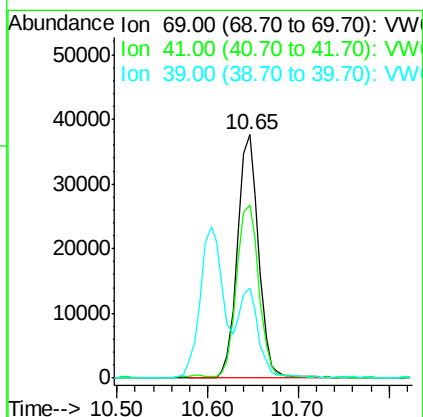
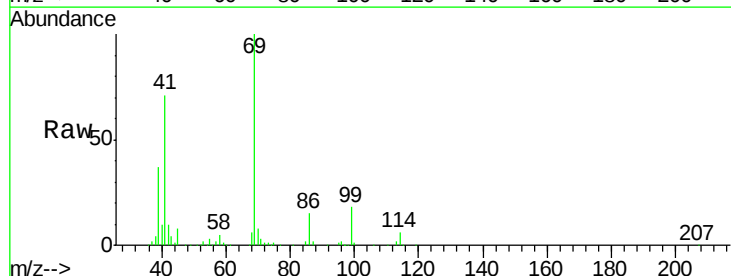
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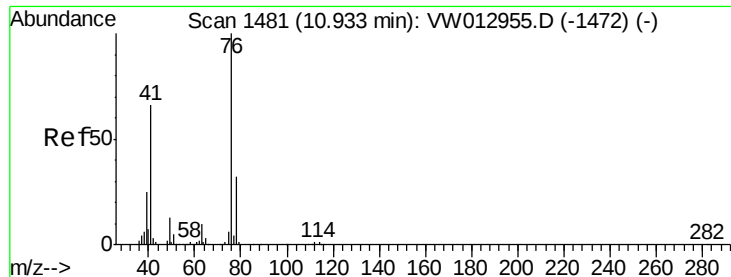
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#56
 Ethyl methacrylate
 Concen: 20.088 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion:	69	Resp:	60880
Ion	Ratio	Lower	Upper
69	100		
41	75.2	60.8	91.2
39	33.9	29.4	44.0





#57

1,3-Dichloropropane

Concen: 19.744 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0917SBSD01

Tot Ion: 76 Resp: 78857

Ion Ratio Lower Upper

76 100

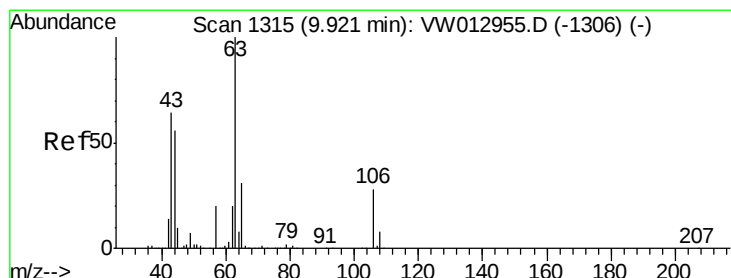
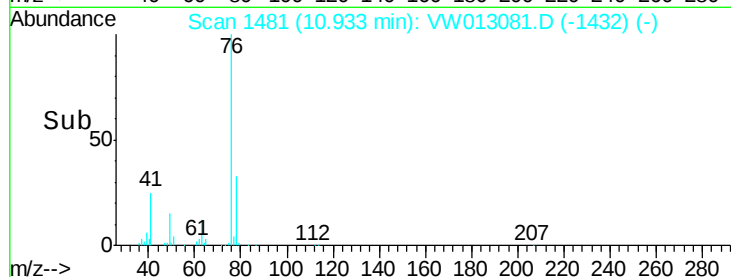
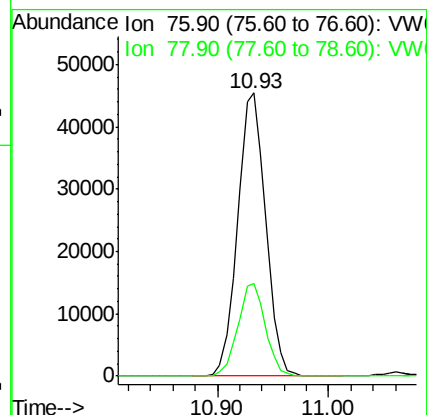
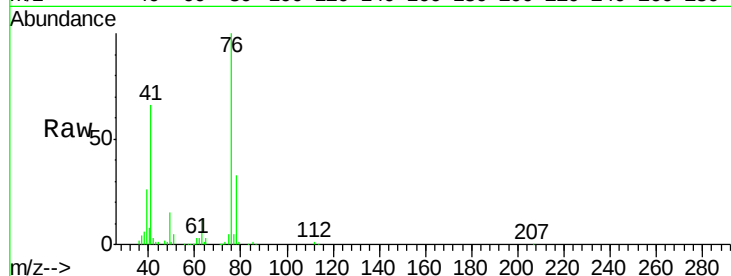
78 32.0 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 94.338 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013081.D

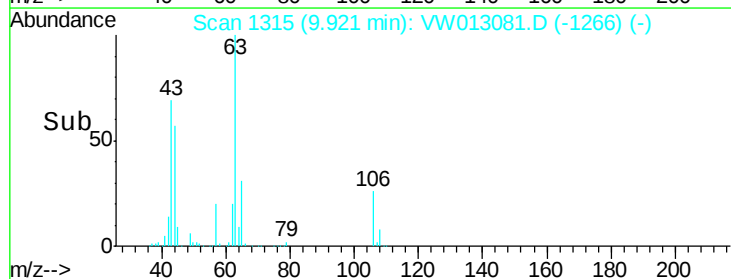
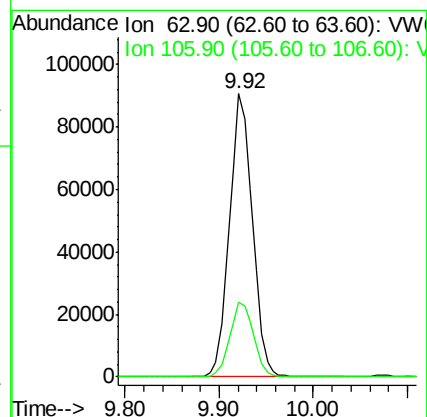
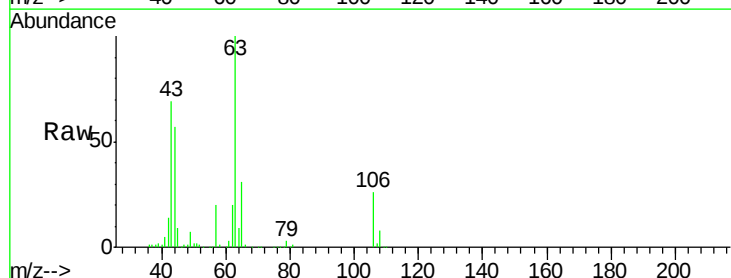
Acq: 17 Sep 2019 11:19

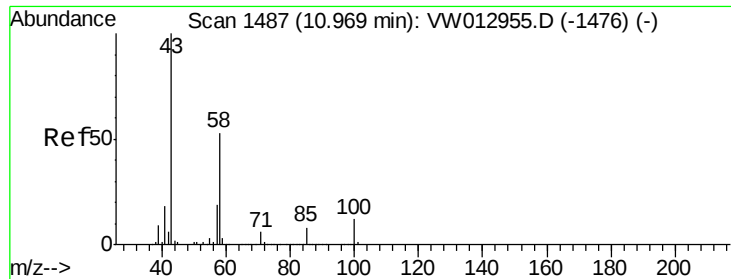
Tgt Ion: 63 Resp: 153367

Ion Ratio Lower Upper

63 100

106 27.1 22.2 33.2





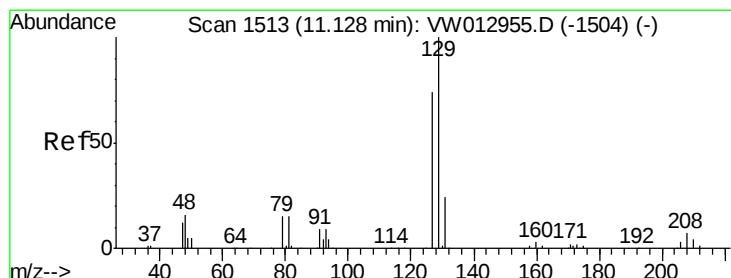
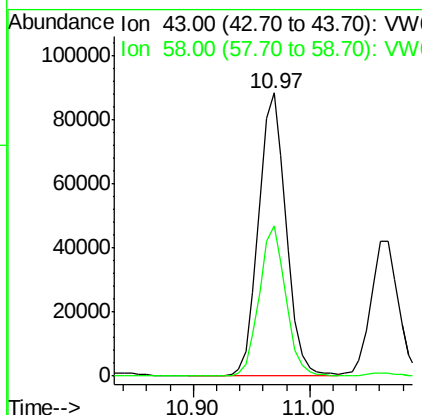
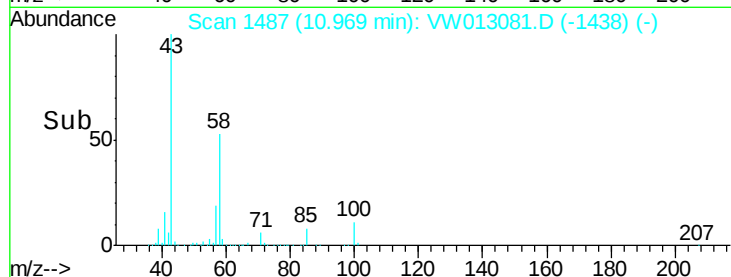
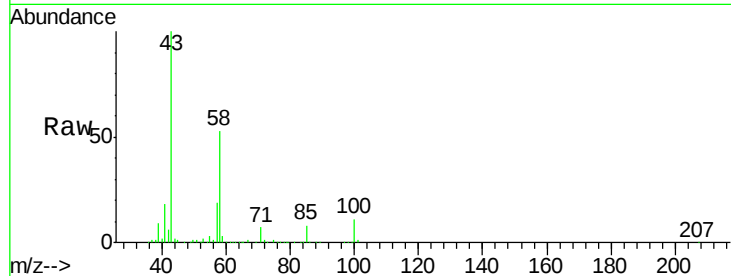
#59
2-Hexanone
Concen: 96.088 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBSD01

Tot Ion: 43 Resp: 146418
Ion Ratio Lower Upper
43 100
58 50.9 25.8 77.3

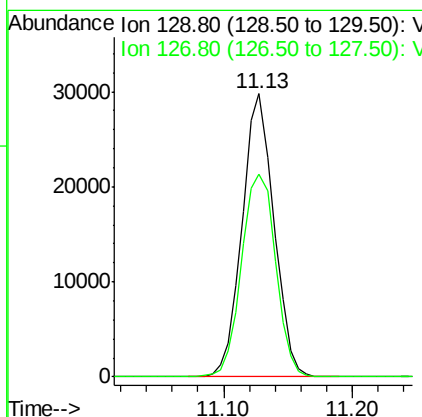
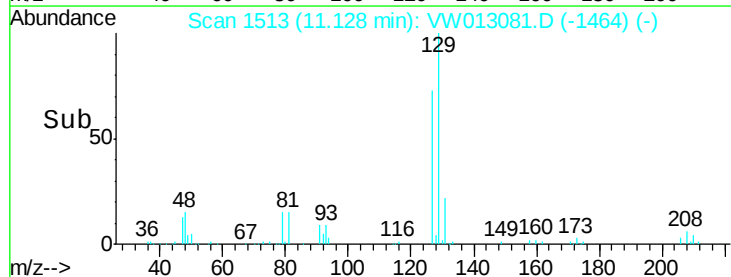
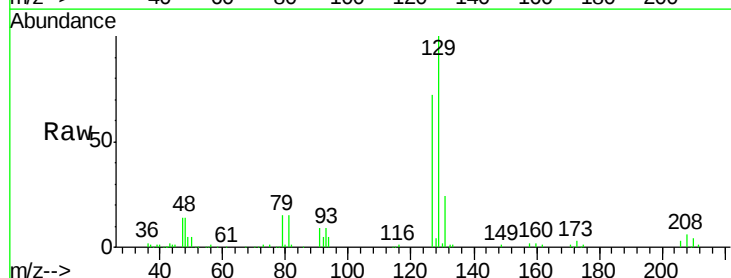
Manual Integrations
APPROVED

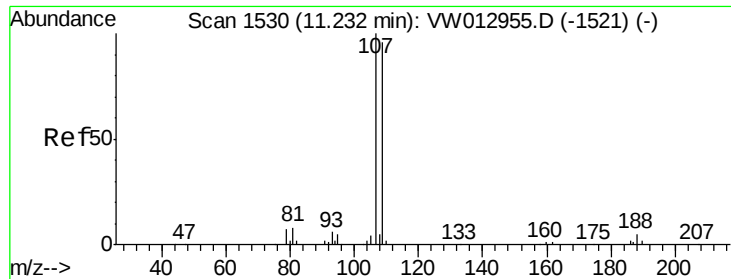
MMDadoda
9/19/2019 1:27:46 AM



#60
Dibromochloromethane
Concen: 18.656 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion: 129 Resp: 50783
Ion Ratio Lower Upper
129 100
127 76.7 37.4 112.2





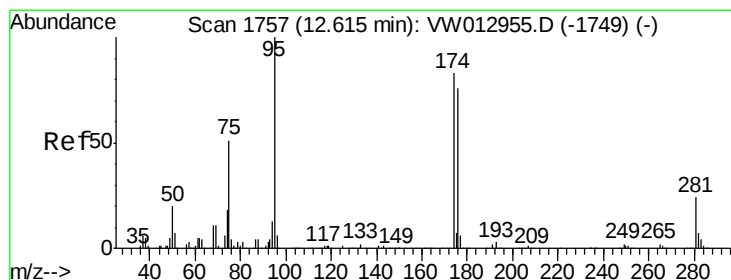
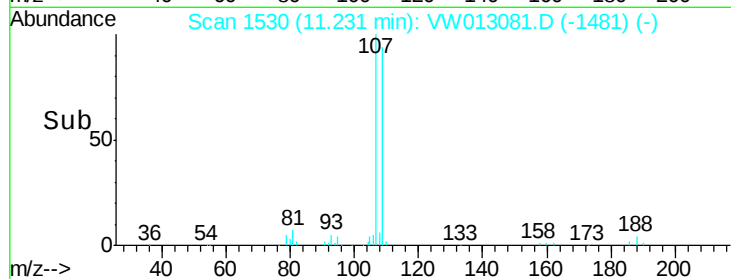
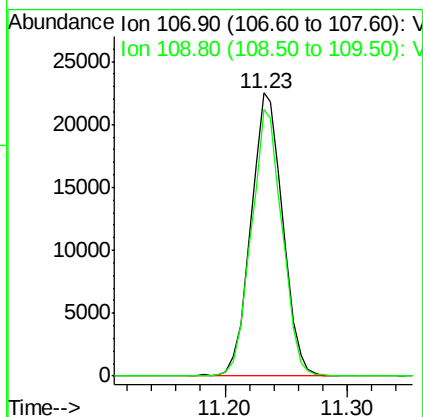
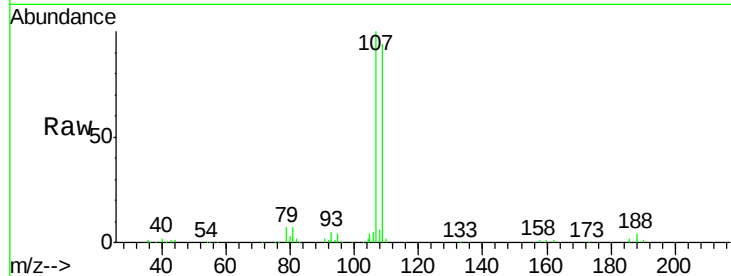
#61
 1,2-Dibromoethane
 Concen: 19.786 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0917SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	40639		
109	109	91.7		75.0	112.6

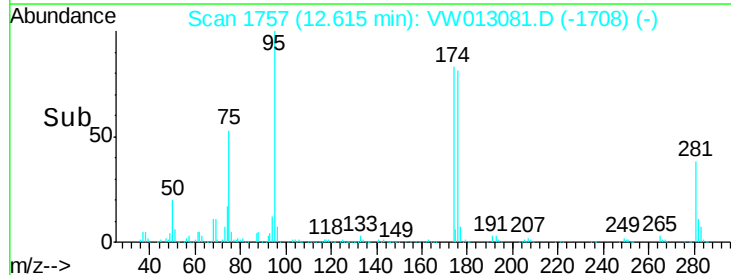
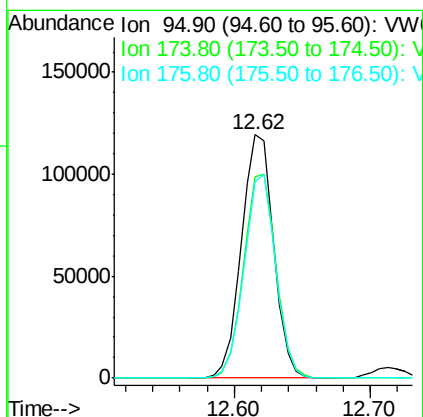
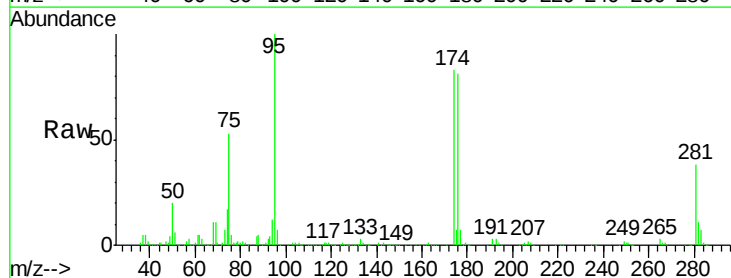
Manual Integrations
 APPROVED

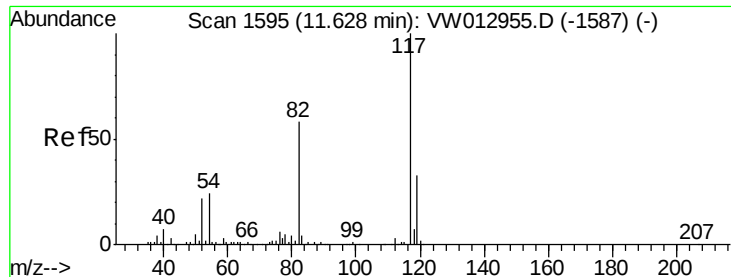
MMDadoda
 9/19/2019 1:27:46 AM



#62
 4-Bromofluorobenzene
 Concen: 49.647 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	95	100	197294		
174	174	84.8		0.0	170.4
176	176	82.2		0.0	164.6





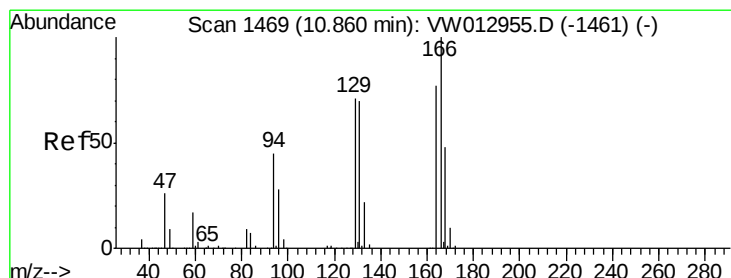
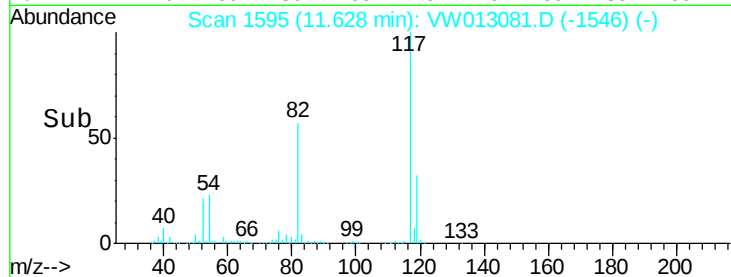
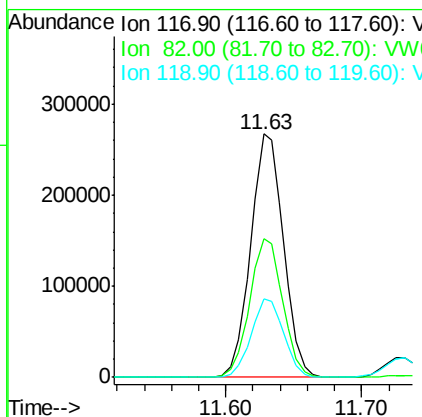
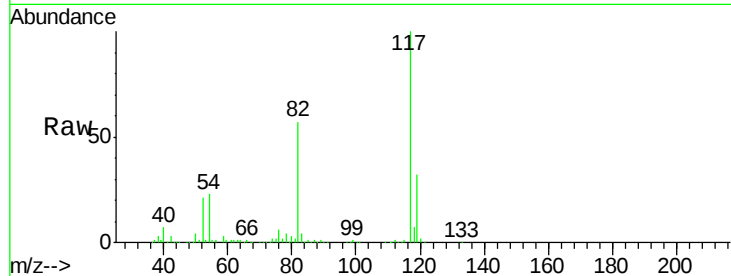
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	451841		
82	56.7	46.3	69.5	
119	32.4	26.2	39.4	

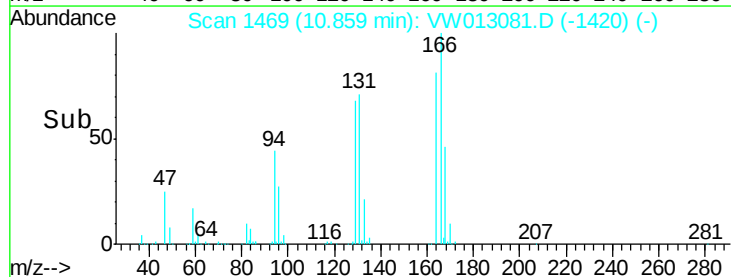
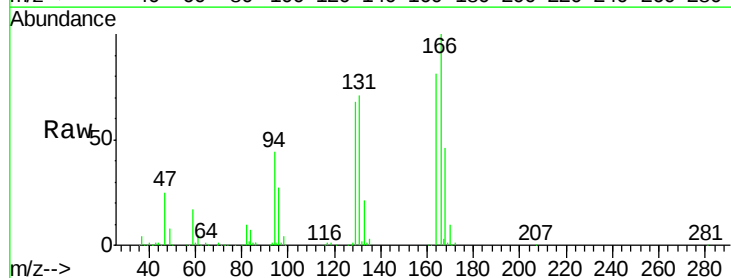
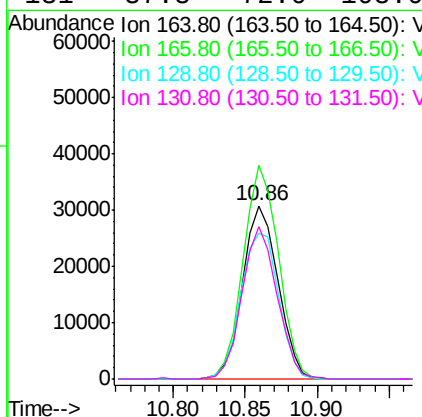
Manual Integrations
APPROVED

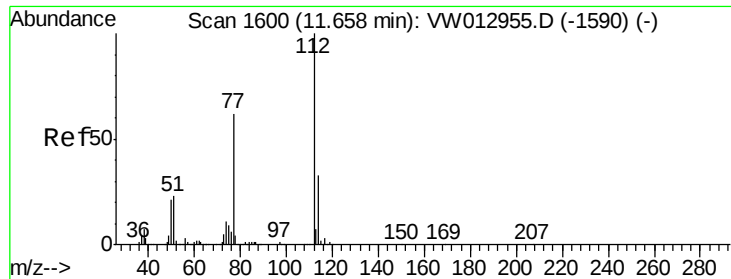
MMDadoda
9/19/2019 1:27:46 AM



#64
Tetrachloroethene
Concen: 19.492 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	52394		
166	123.2	103.3	154.9	
129	84.0	73.8	110.8	
131	87.8	72.0	108.0	





#65

Chlorobenzene

Concen: 19.663 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0917SBS01

Tot Ion:112 Resp: 158258

Ion Ratio Lower Upper

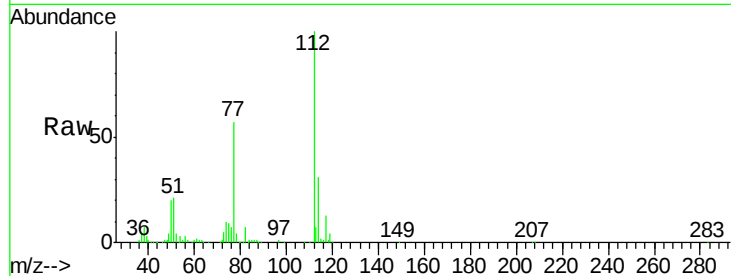
112 100

114 31.1 26.4 39.6

Manual Integrations
APPROVED

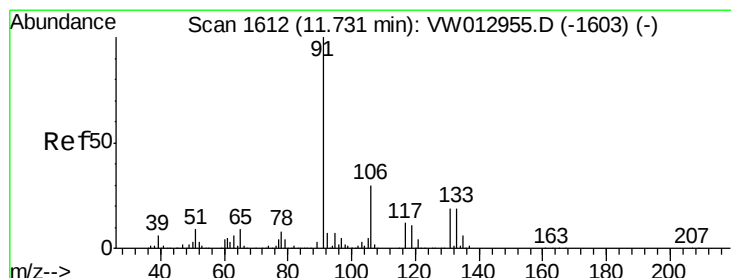
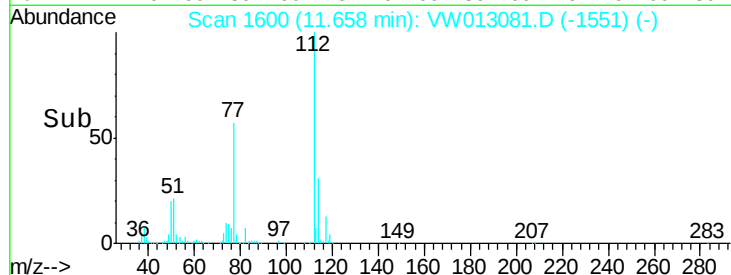
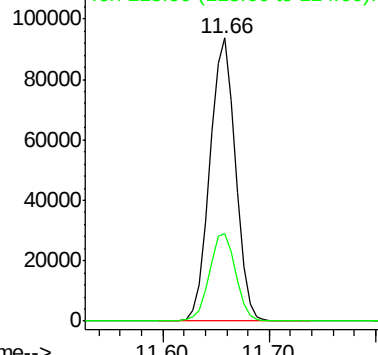
MMDadoda

9/19/2019 1:27:46 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.319 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

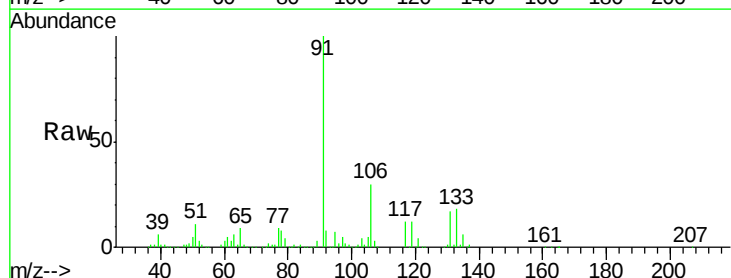
Tgt Ion:131 Resp: 56502

Ion Ratio Lower Upper

131 100

133 98.0 47.9 143.8

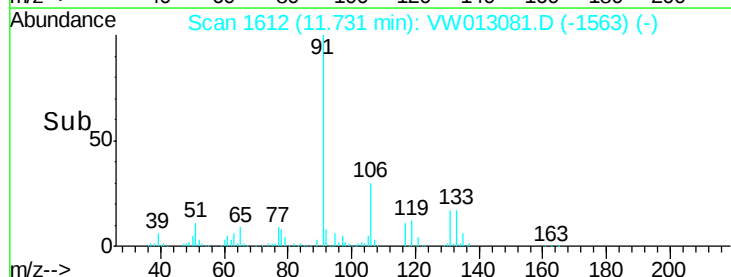
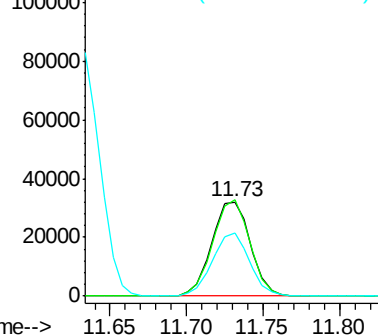
119 64.4 30.9 92.7

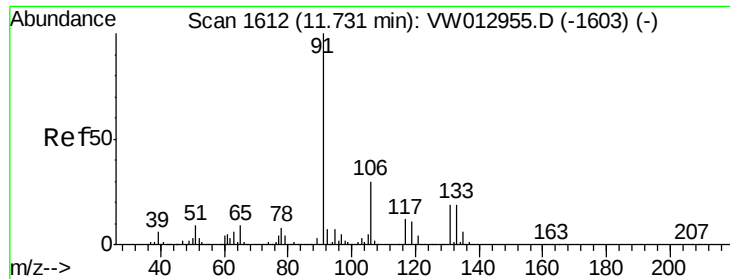


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





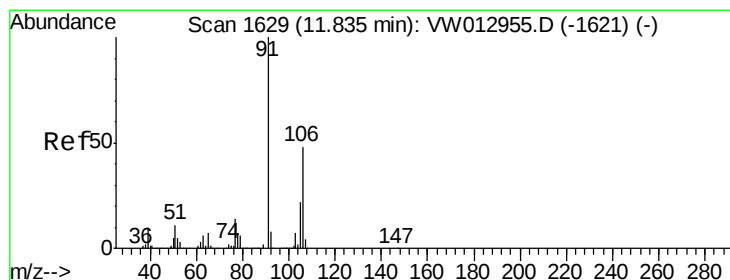
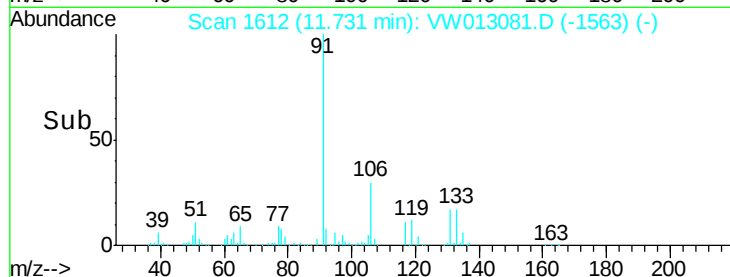
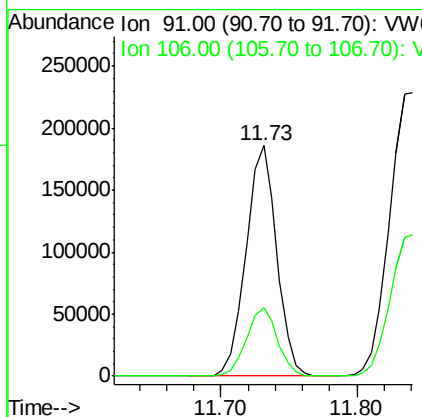
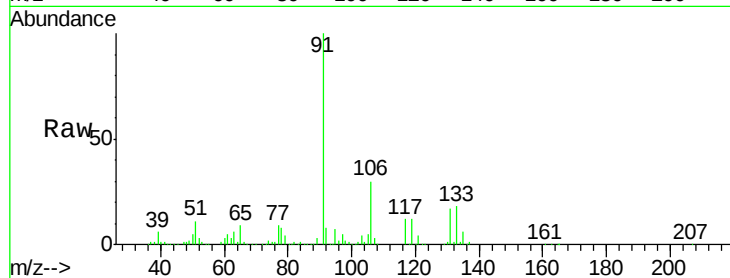
#67
Ethyl Benzene
Concen: 19.731 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBSD01

Tot Ion: 91 Resp: 293284
Ion Ratio Lower Upper
91 100
106 29.7 24.3 36.5

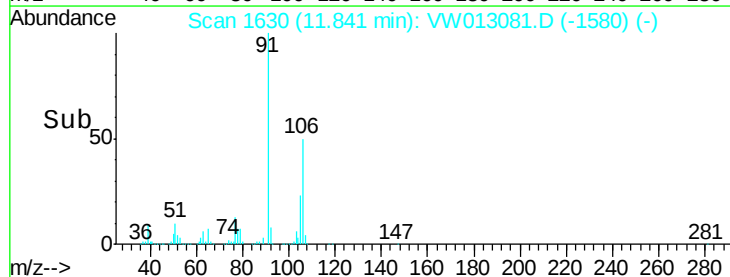
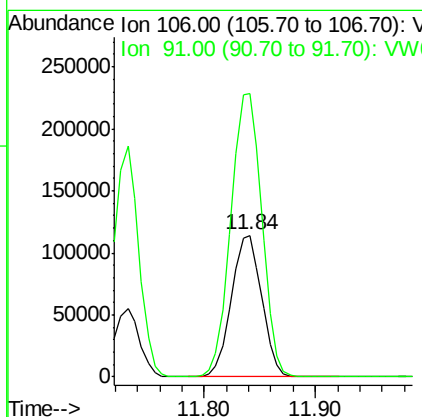
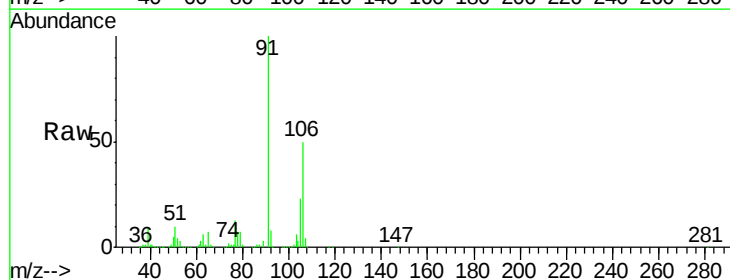
Manual Integrations
APPROVED

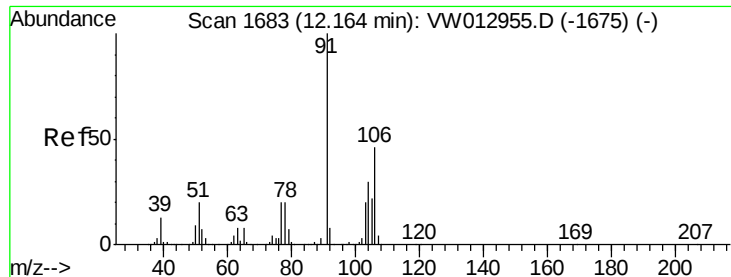
MMDadoda
9/19/2019 1:27:46 AM



#68
m/p-Xylenes
Concen: 39.608 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion: 106 Resp: 215078
Ion Ratio Lower Upper
106 100
91 203.9 165.8 248.8





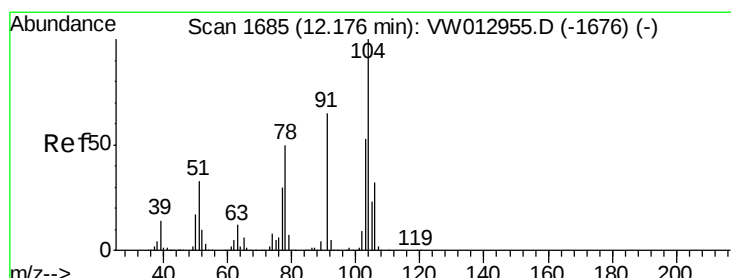
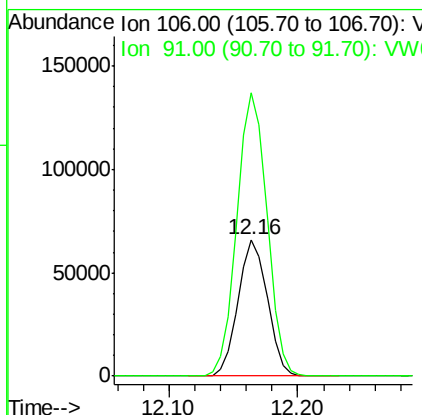
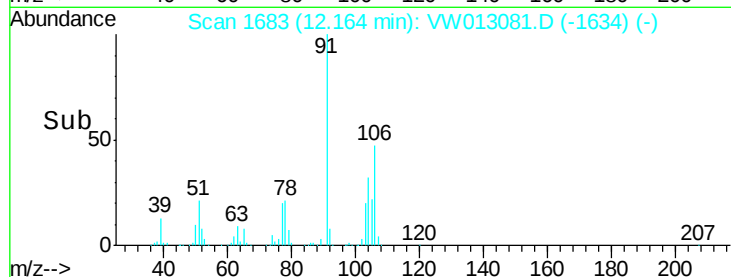
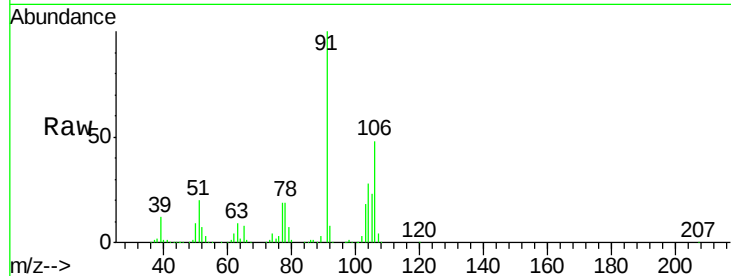
#69
o-Xylene
Concen: 20.387 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBS01

Tot Ion:106 Resp: 103788
Ion Ratio Lower Upper
106 100
91 214.3 109.7 329.0

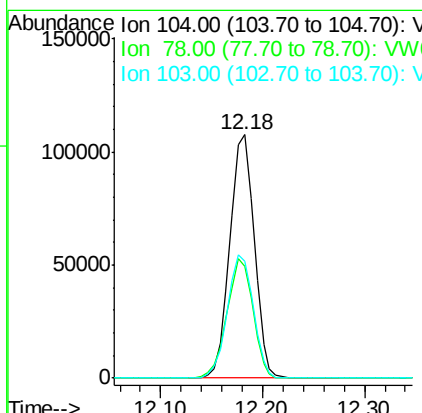
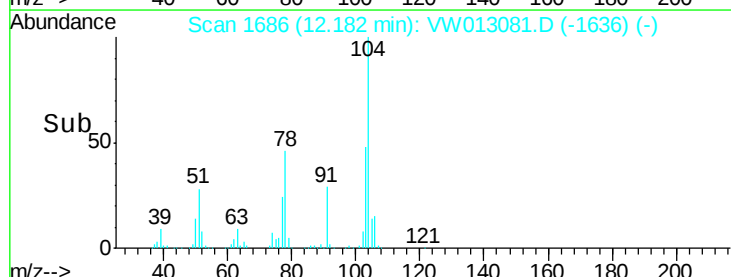
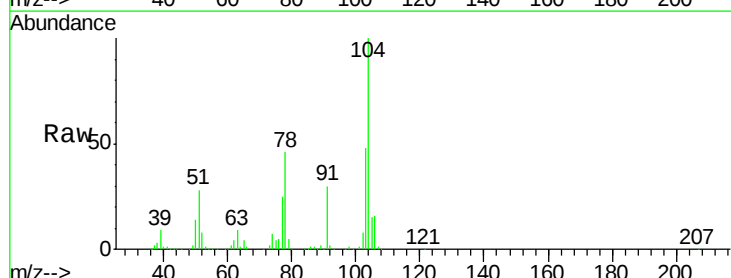
Manual Integrations
APPROVED

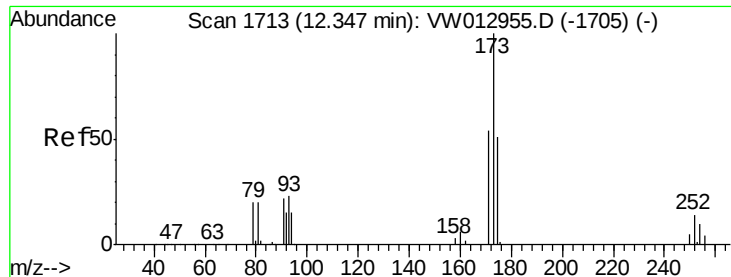
MMDadoda
9/19/2019 1:27:46 AM



#70
Styrene
Concen: 19.685 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion:104 Resp: 178266
Ion Ratio Lower Upper
104 100
78 52.3 42.1 63.1
103 53.7 44.2 66.4





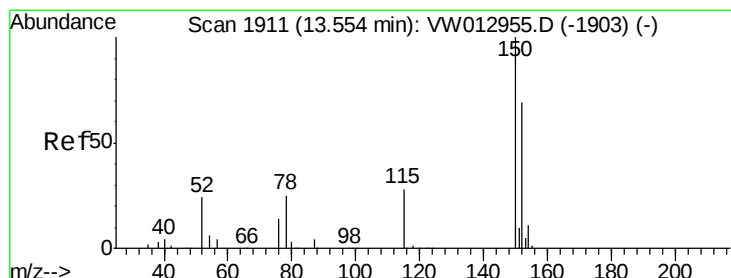
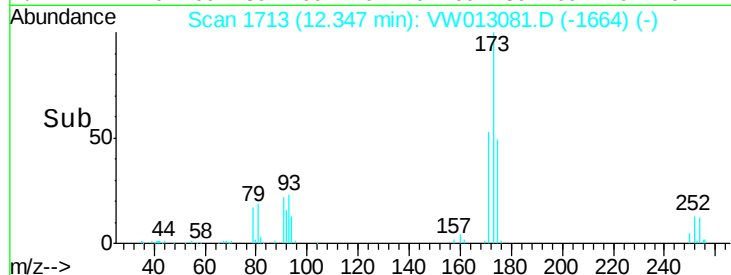
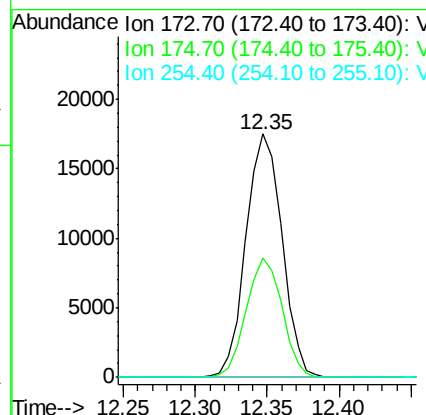
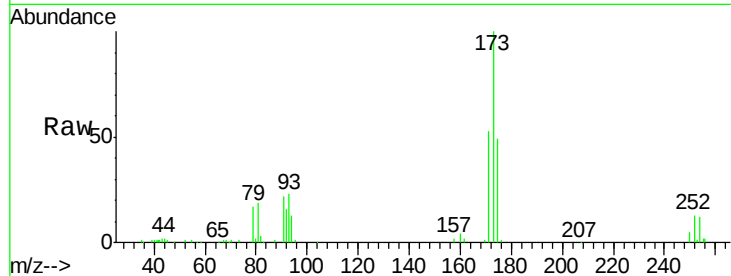
#71
Bromoform
Concen: 18.759 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.2	72.6
254	0.0	0.1	0.1#

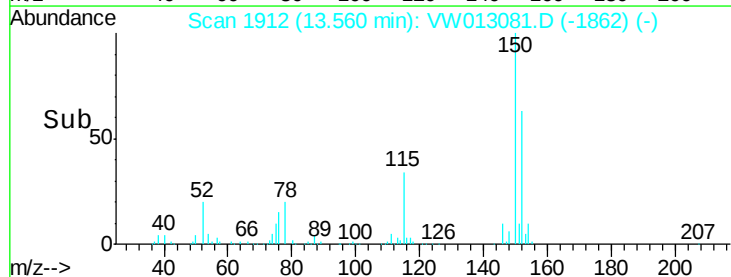
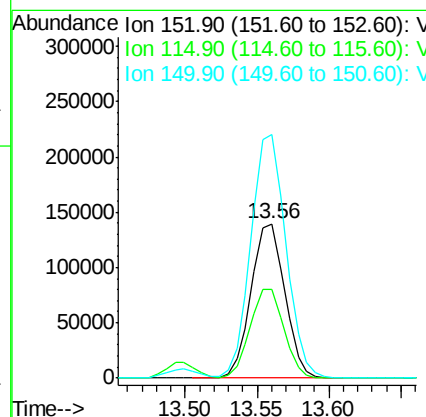
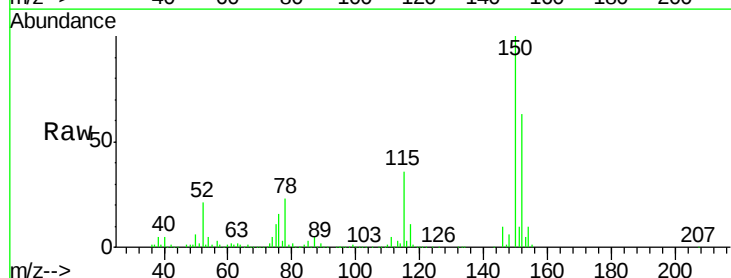
Manual Integrations
APPROVED

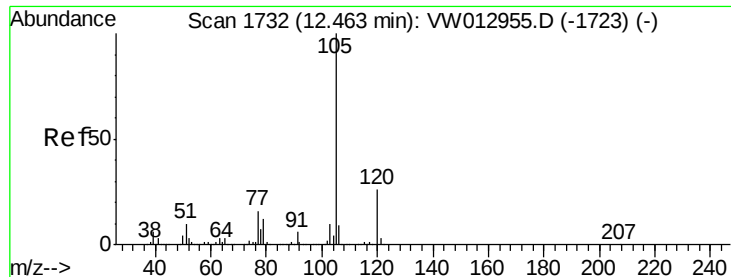
MMDadoda
9/19/2019 1:27:46 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.8	86.4
150	163.3	0.0	340.2





#73

Isopropylbenzene

Concen: 19.534 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0917SBSD01

Tot Ion: 105 Resp: 293110

Ion Ratio Lower Upper

105 100

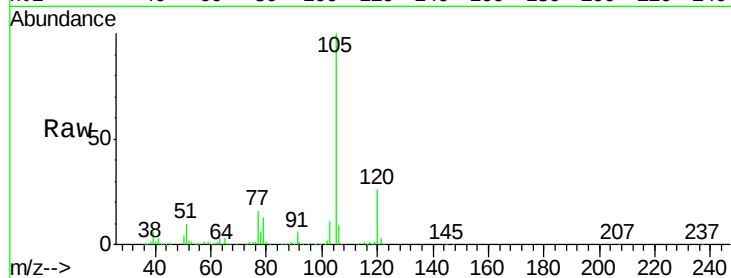
120 25.7 13.0 39.0

Manual Integrations

APPROVED

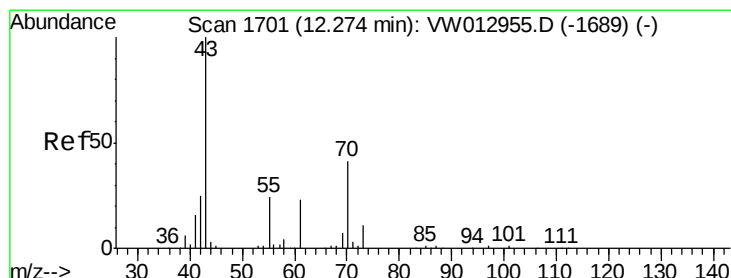
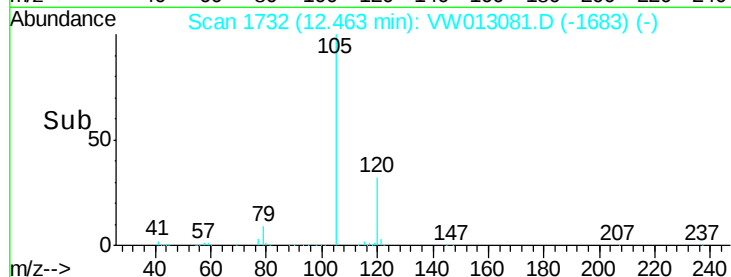
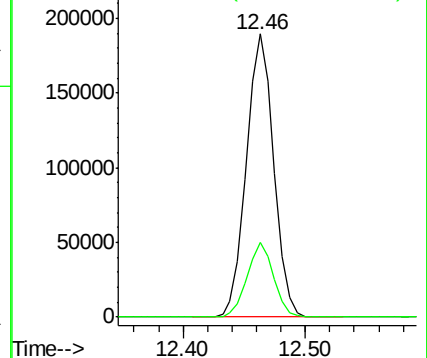
MMDadoda

9/19/2019 1:27:46 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.140 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Tgt Ion: 43 Resp: 73881

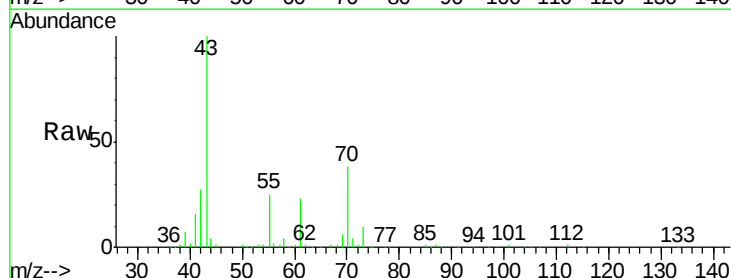
Ion Ratio Lower Upper

43 100

70 39.9 31.7 47.5

55 25.2 19.4 29.2

61 22.7 18.7 28.1

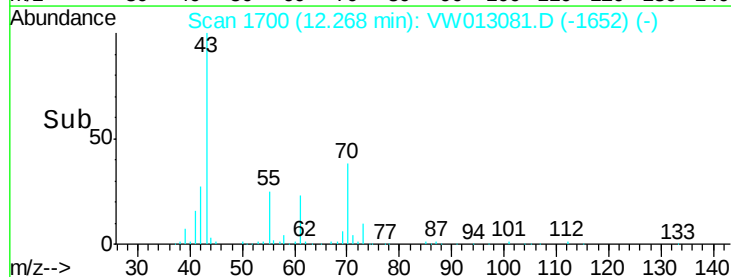
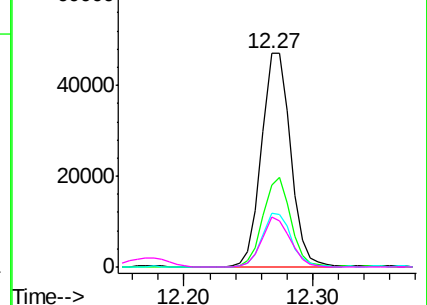


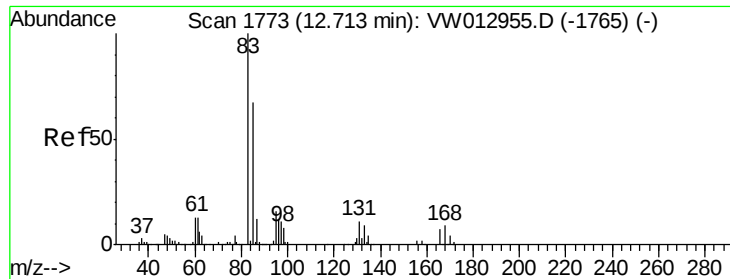
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 19.653 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

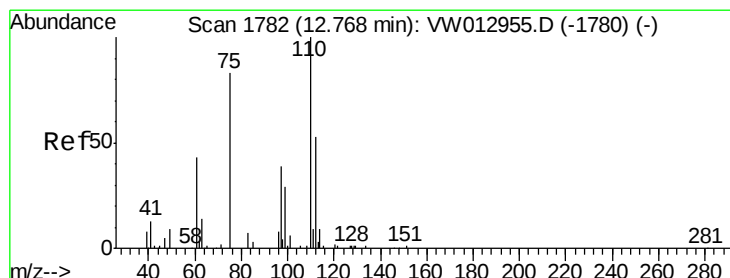
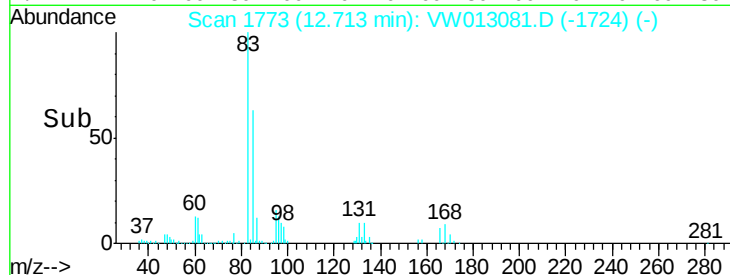
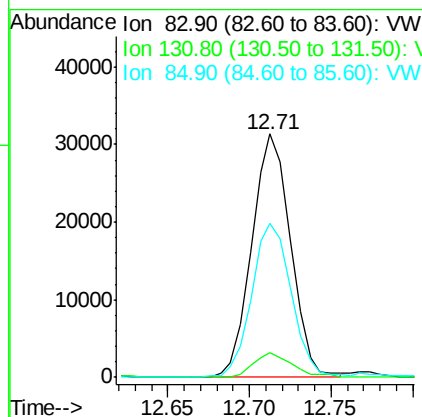
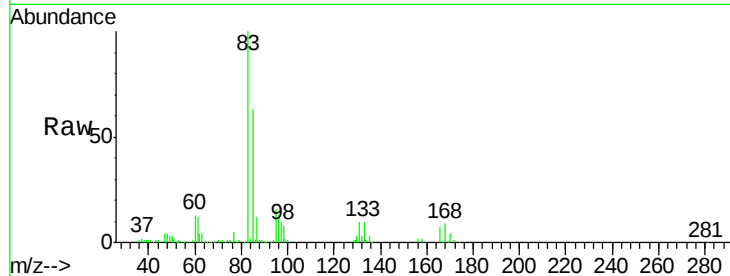
ClientSampleId :

VW0917SBS01

Tot Ion:	83	Resp:	51795
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.7	17.1
85	64.4	31.4	94.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.606 ug/l m

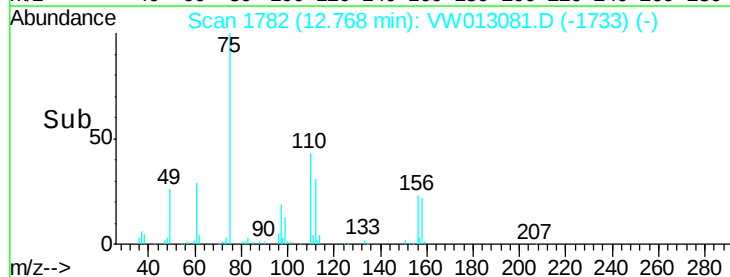
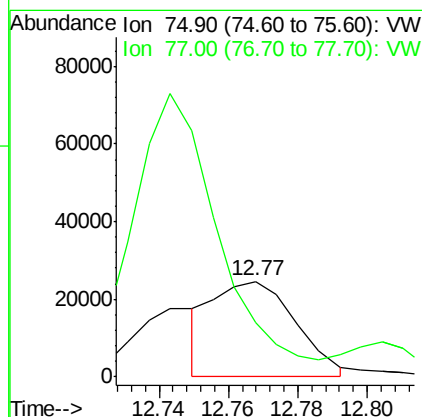
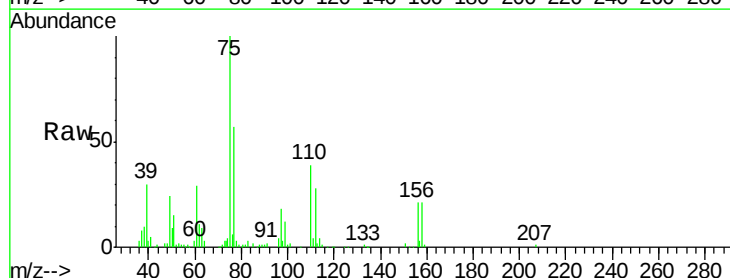
RT: 12.77 min Scan# 1782

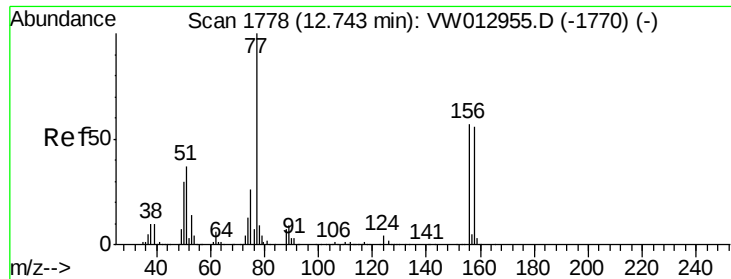
Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Tgt Ion:	75	Resp:	40860
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.197 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0917SBSD01

Tot Ion:156 Resp: 66360

Ion Ratio Lower Upper

156 100

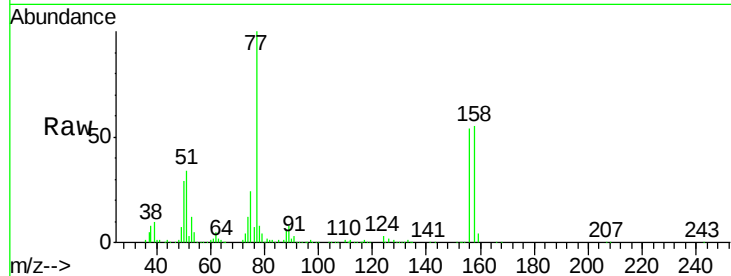
77 192.7 95.2 285.6

158 99.3 49.0 147.2

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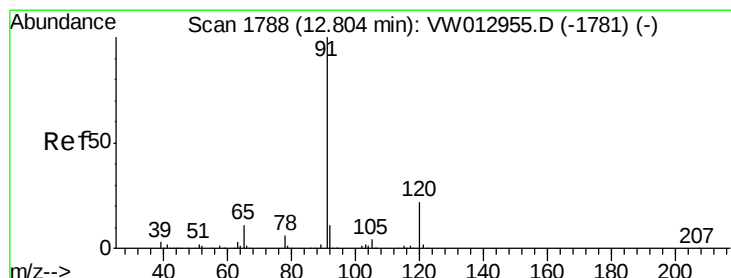
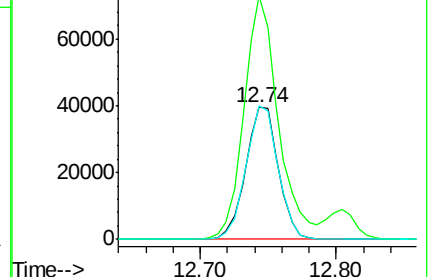
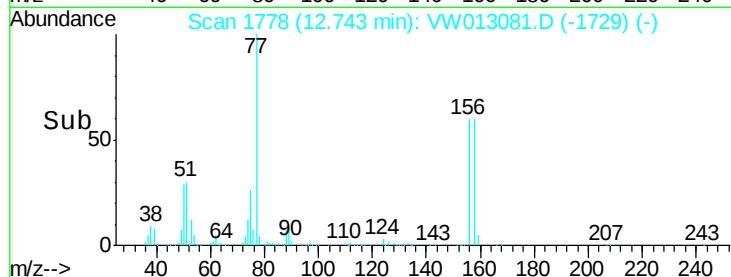
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.342 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013081.D

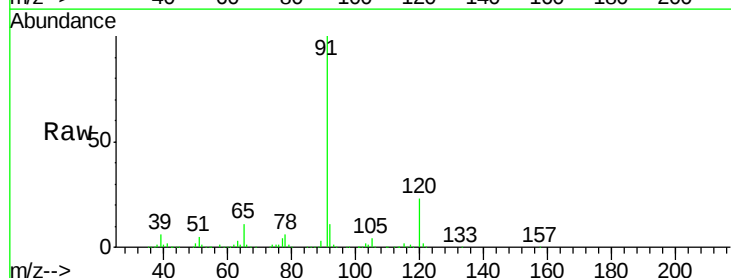
Acq: 17 Sep 2019 11:19

Tgt Ion: 91 Resp: 341401

Ion Ratio Lower Upper

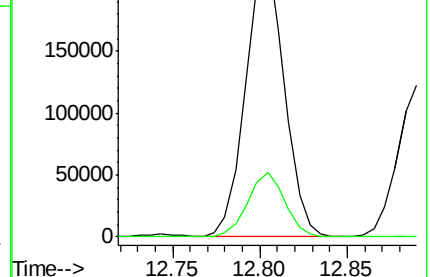
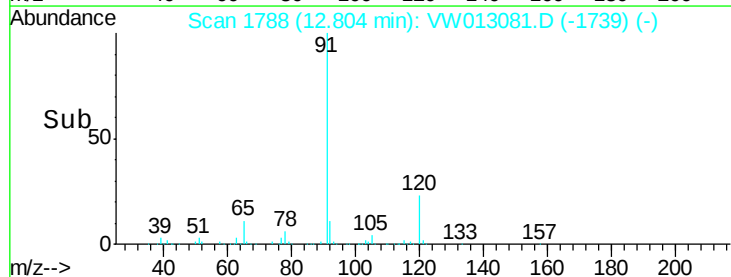
91 100

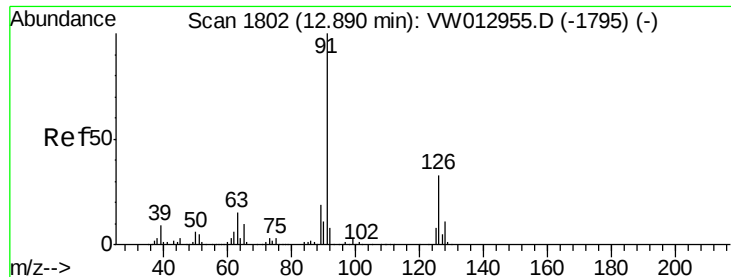
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.189 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013081.D

Acq: 17 Sep 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0917SBSD01

Tot Ion: 91 Resp: 194708

Ion Ratio Lower Upper

91 100

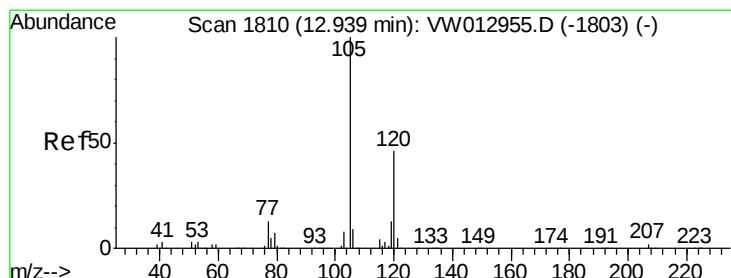
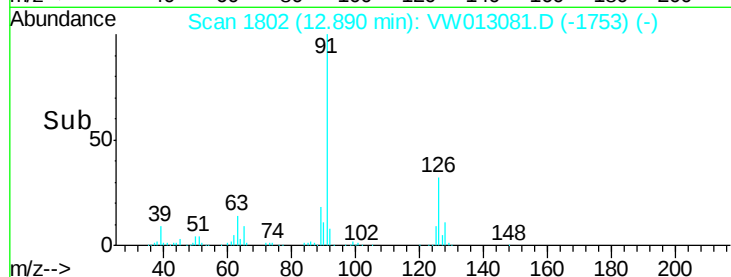
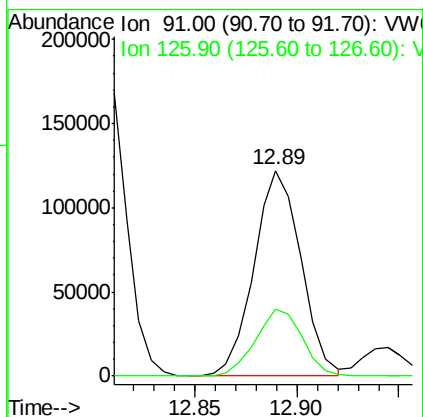
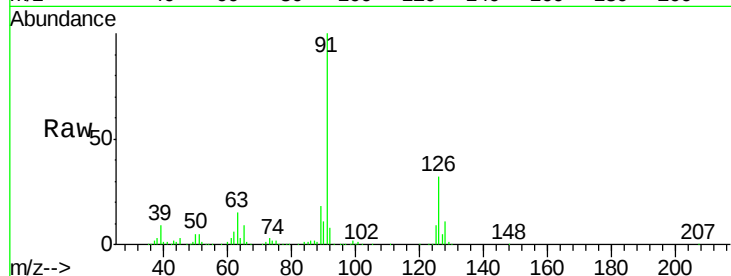
126 32.7 16.5 49.5

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#80

1,3,5-Trimethylbenzene

Concen: 19.362 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013081.D

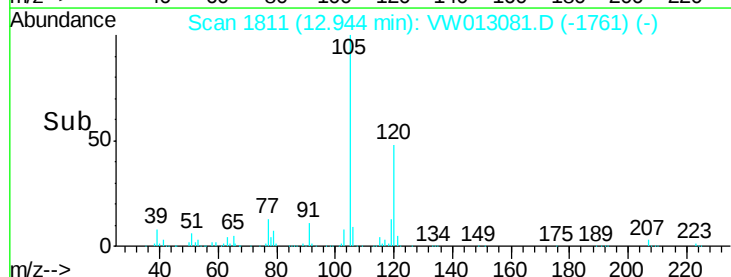
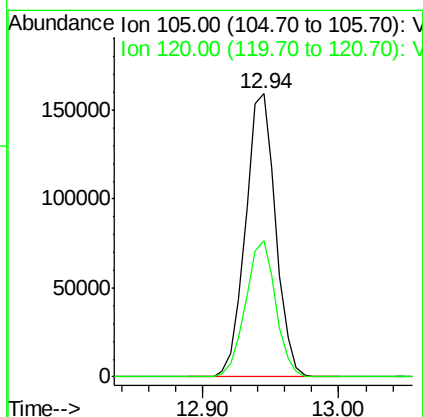
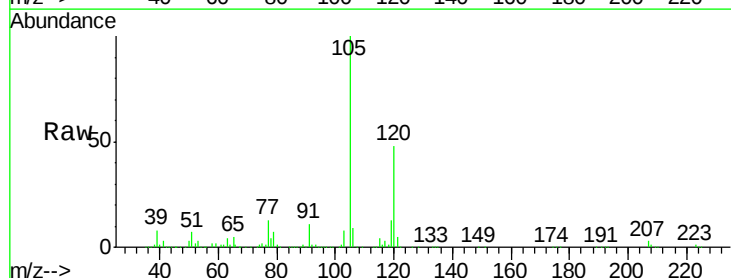
Acq: 17 Sep 2019 11:19

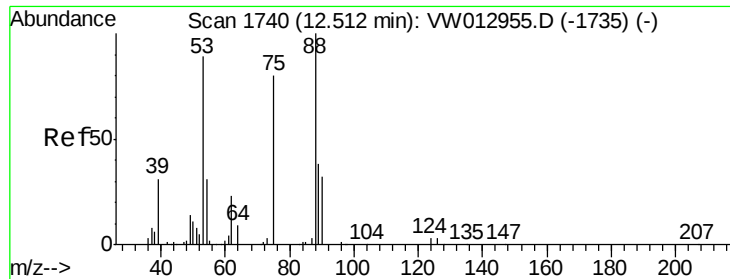
Tgt Ion:105 Resp: 245798

Ion Ratio Lower Upper

105 100

120 48.1 24.2 72.6





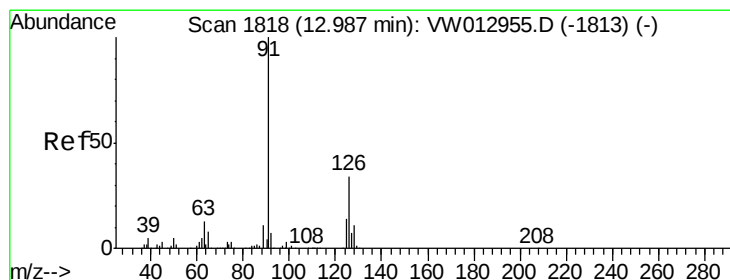
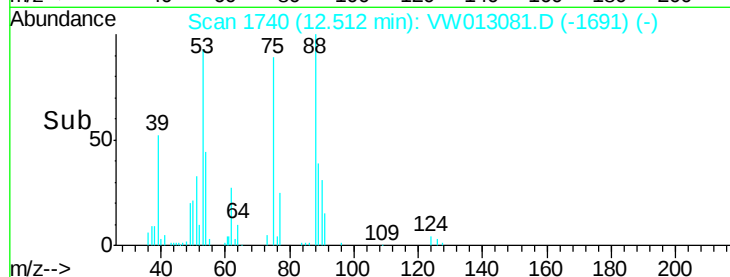
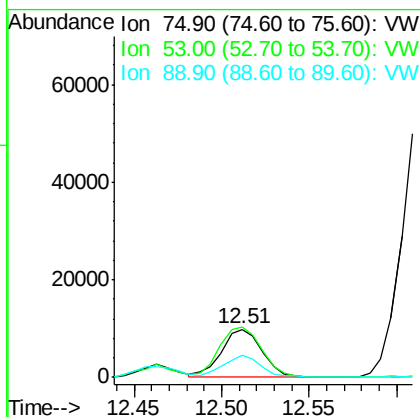
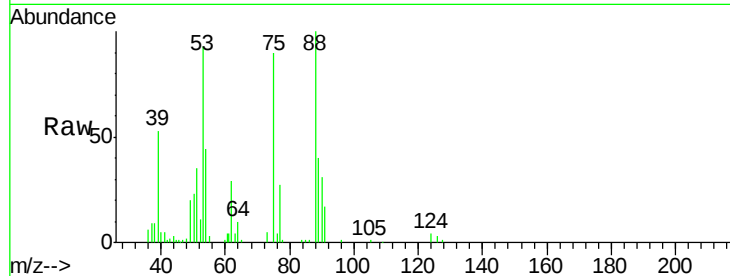
#81
trans-1,4-Dichloro-2-butene
Concen: 17.941 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.9	85.6	128.4
89	43.1	37.2	55.8

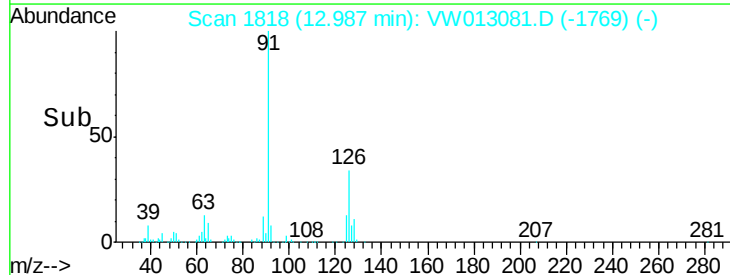
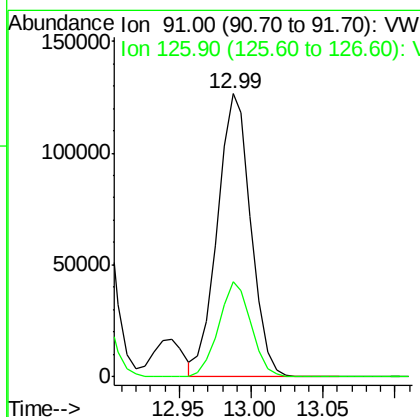
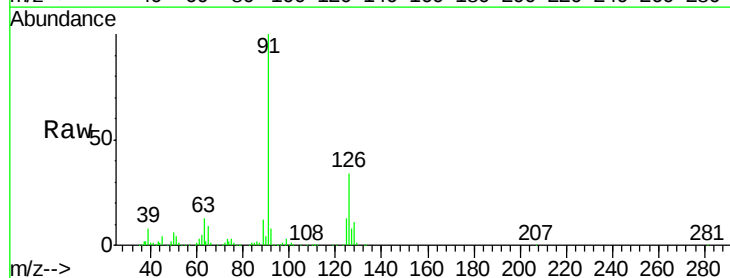
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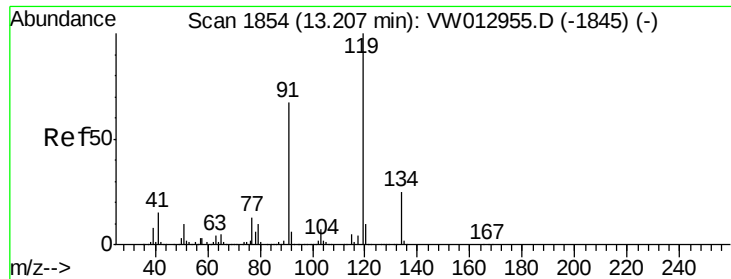
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#82
4-Chlorotoluene
Concen: 19.133 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3





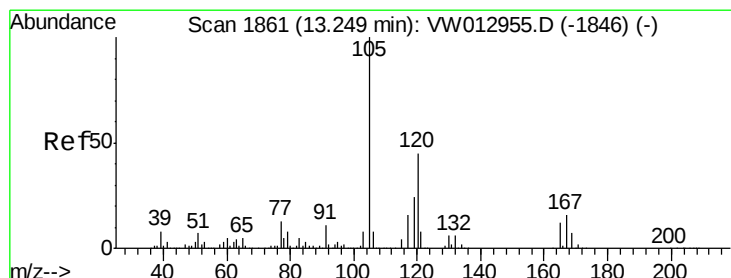
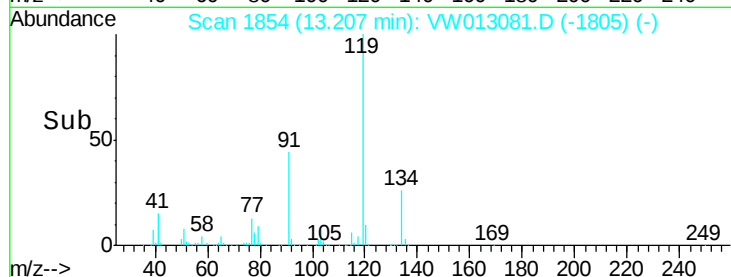
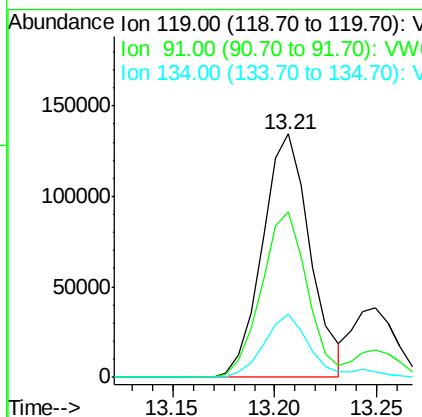
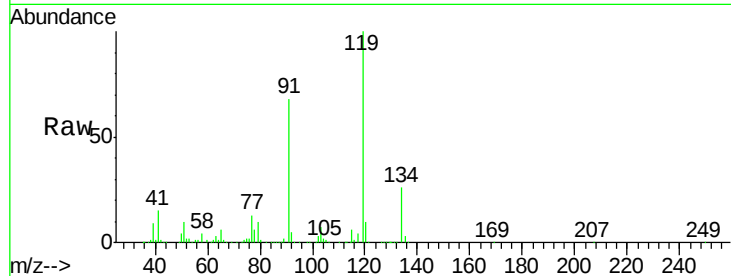
#83
tert-Butylbenzene
Concen: 19.288 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.6	98.0
134	24.5	12.4	37.4

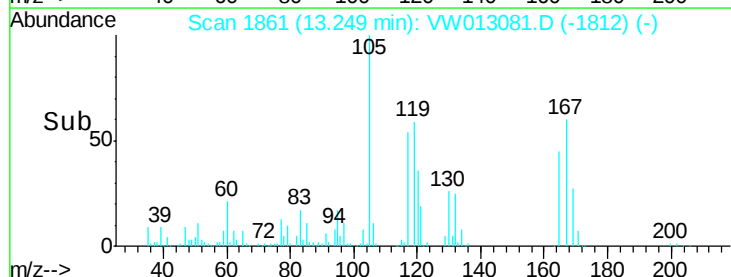
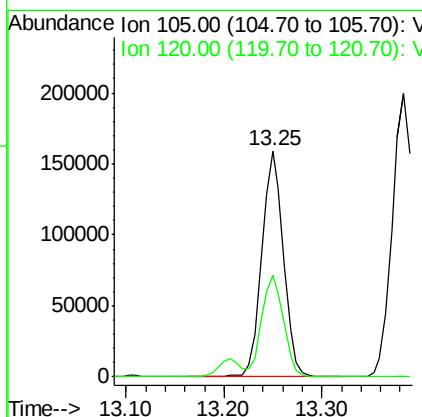
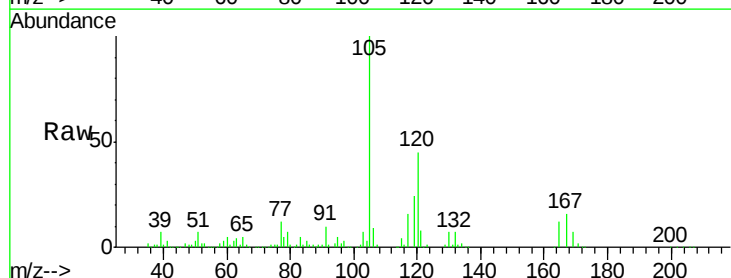
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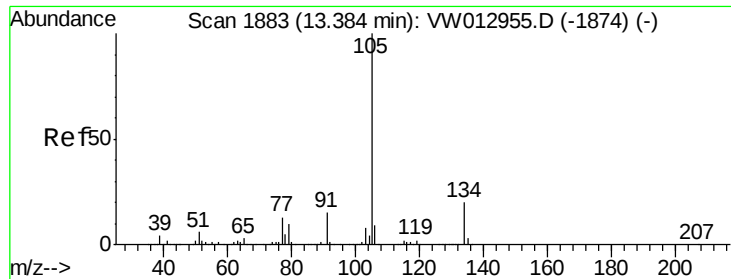
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#84
1,2,4-Trimethylbenzene
Concen: 19.348 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	21.9	65.7





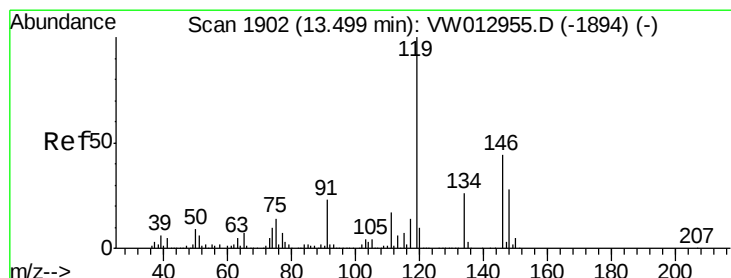
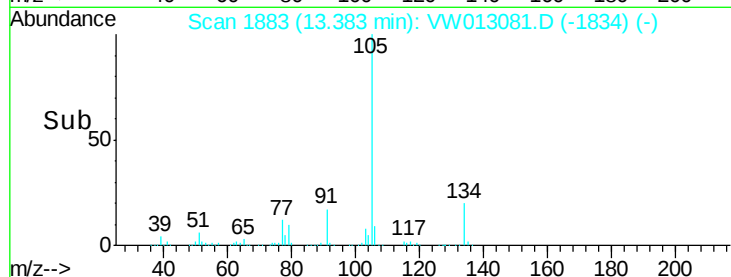
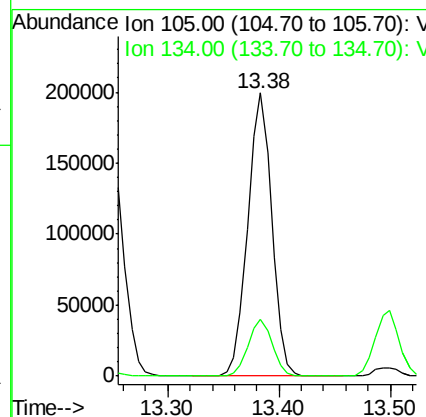
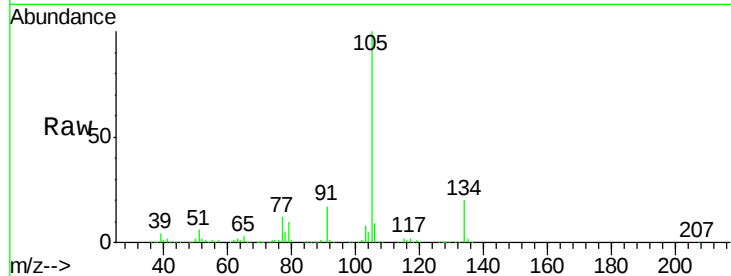
#85
 sec-Butylbenzene
 Concen: 19.353 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0917SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.2	30.4

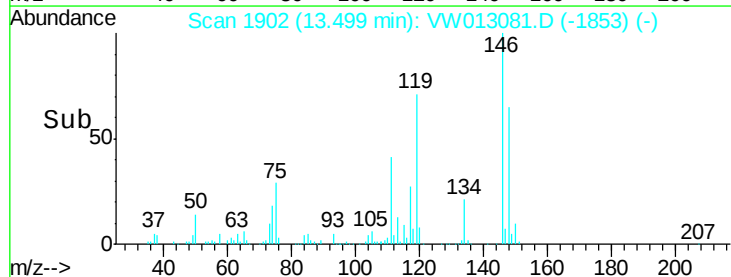
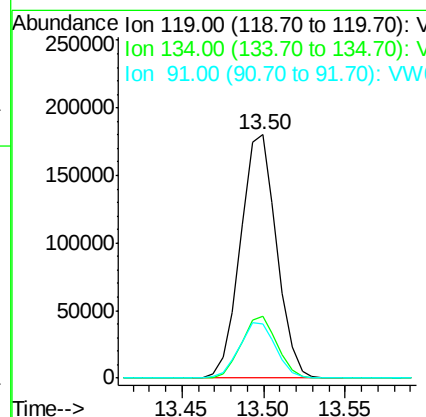
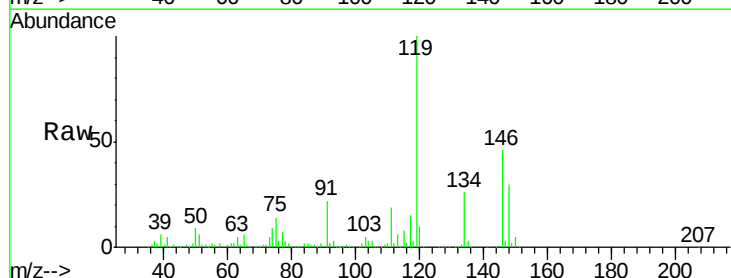
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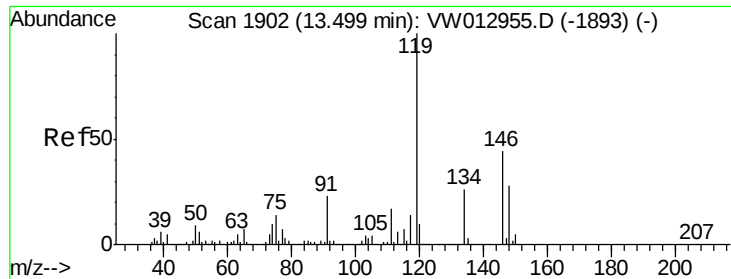
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#86
 p-Isopropyltoluene
 Concen: 19.523 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.8	38.3
91	23.1	11.8	35.4





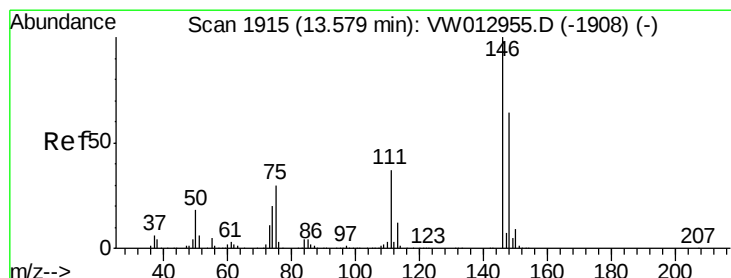
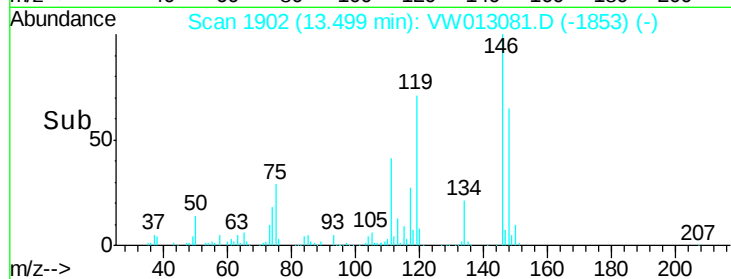
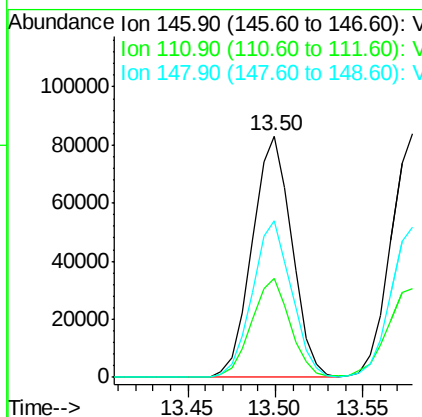
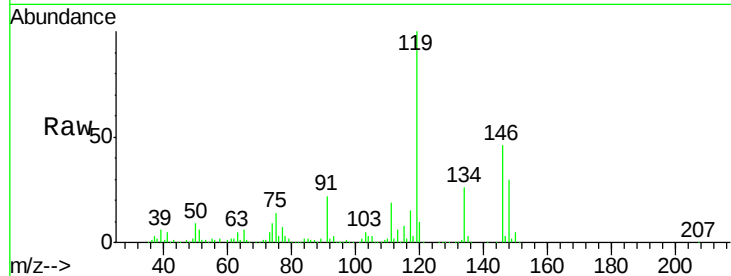
#87
 1,3-Dichlorobenzene
 Concen: 19.071 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0917SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.8	59.4
148	64.1	31.9	95.7

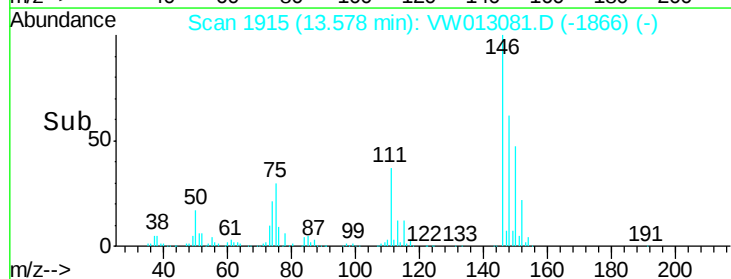
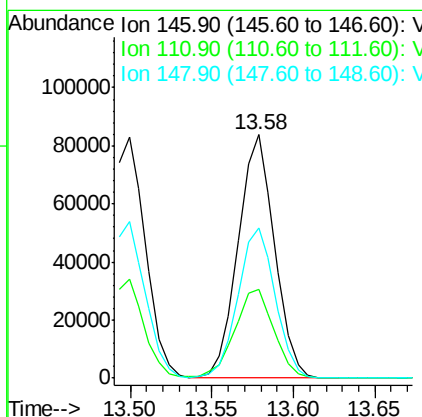
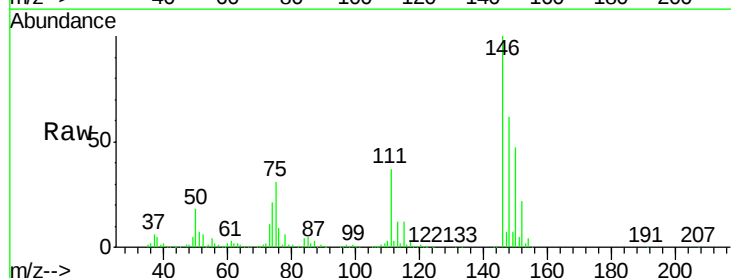
Manual Integrations
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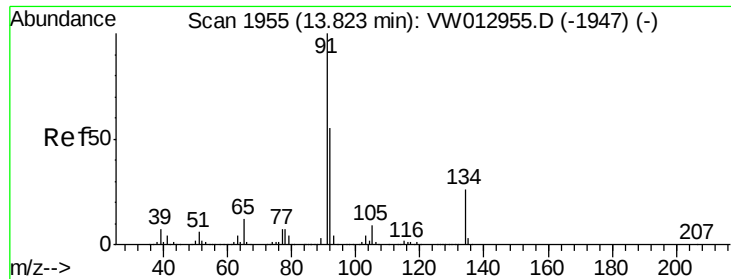
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#88
 1,4-Dichlorobenzene
 Concen: 19.398 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.2
148	63.4	31.9	95.5





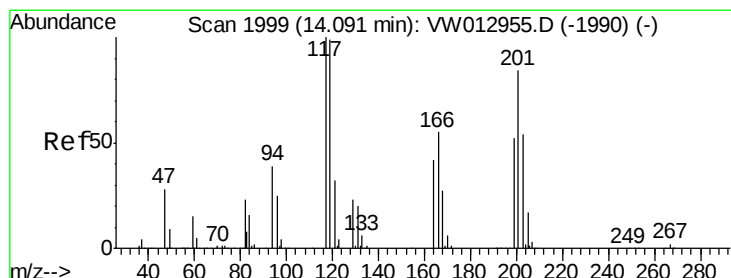
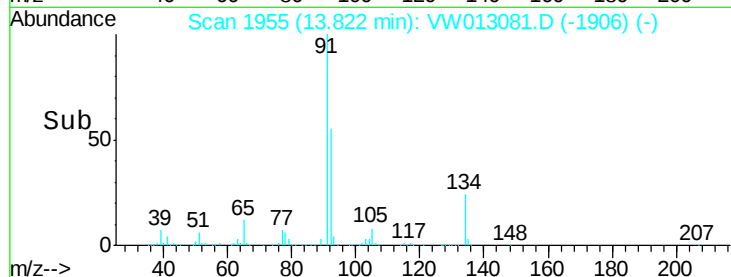
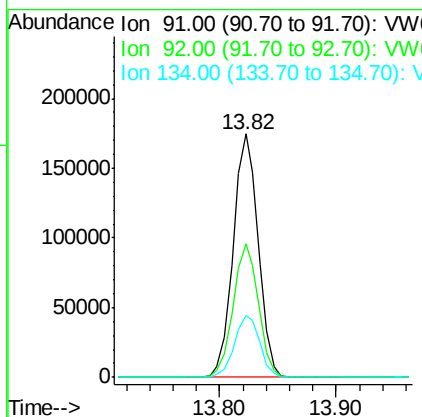
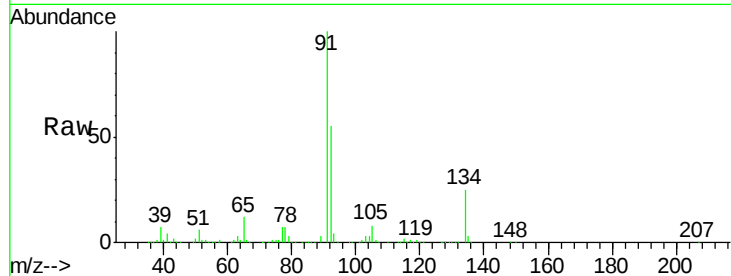
#89
n-Butylbenzene
Concen: 19.428 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	260240		
92	55.1	27.2	81.5	
134	25.5	13.1	39.1	

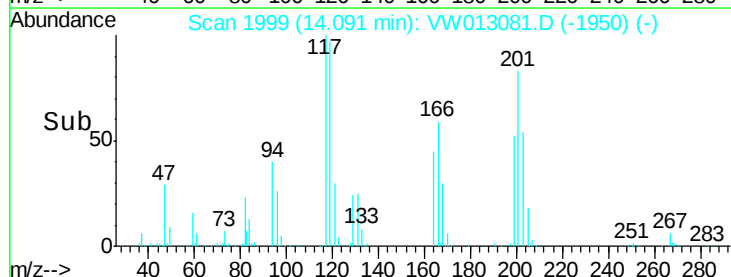
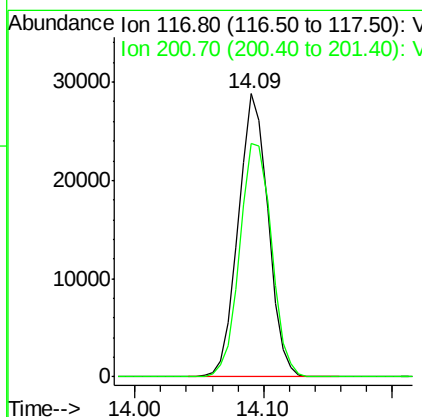
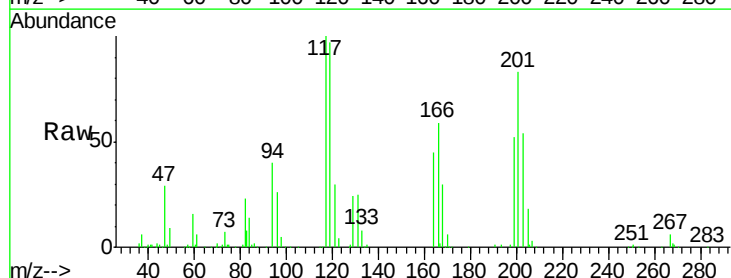
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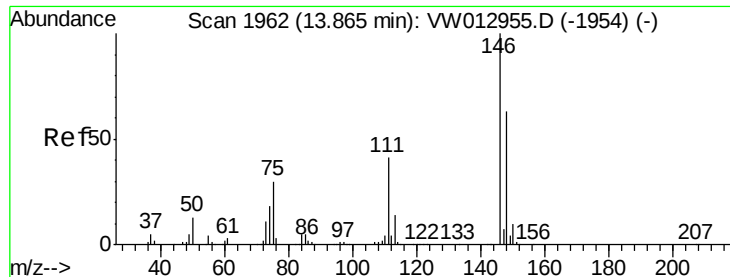
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#90
Hexachloroethane
Concen: 18.187 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	46291		
201	87.7	45.3	135.9	





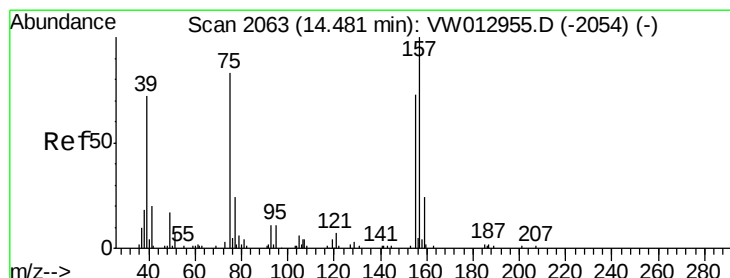
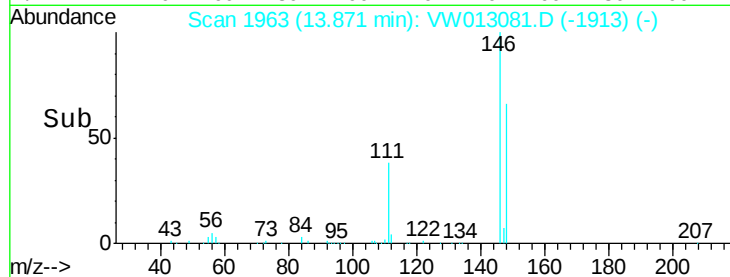
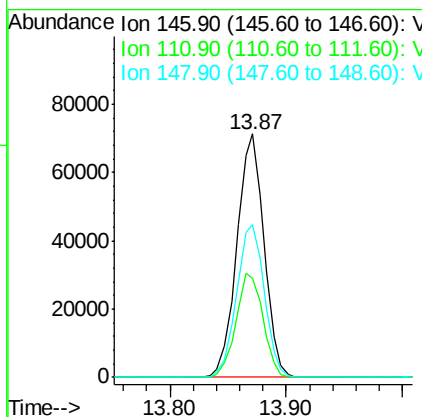
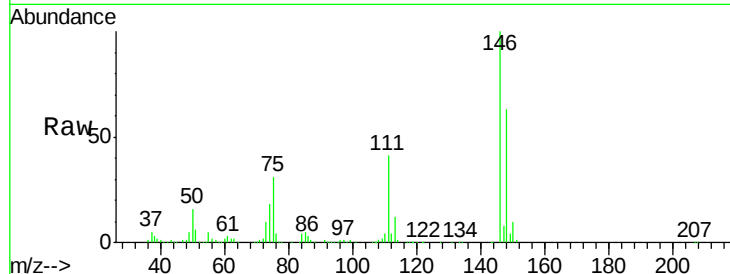
#91
 1,2-Dichlorobenzene
 Concen: 19.239 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0917SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.8	62.5
148	64.3	32.7	98.1

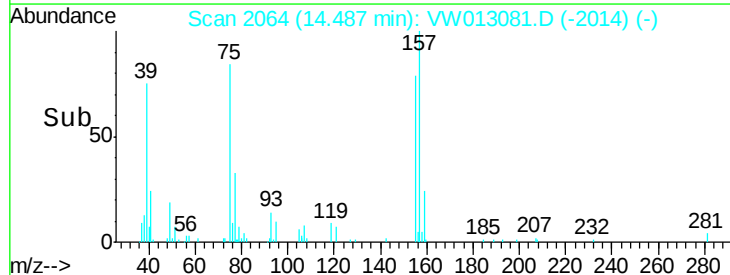
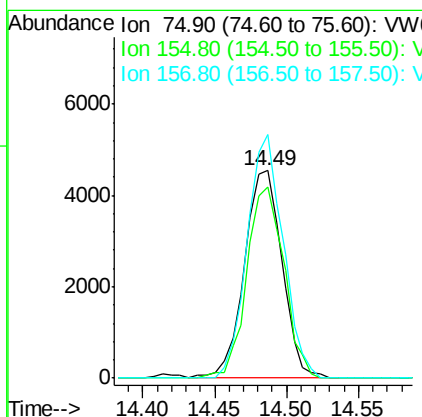
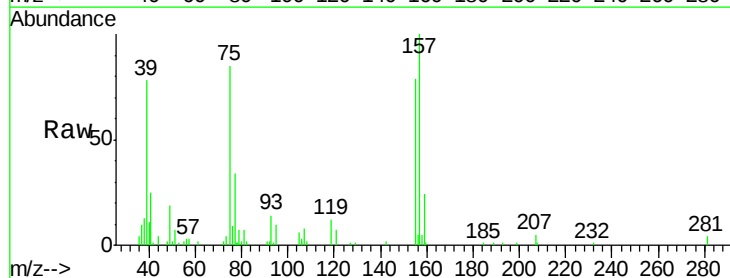
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.052 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013081.D
 Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	43.3	129.9
157	111.6	54.7	164.1





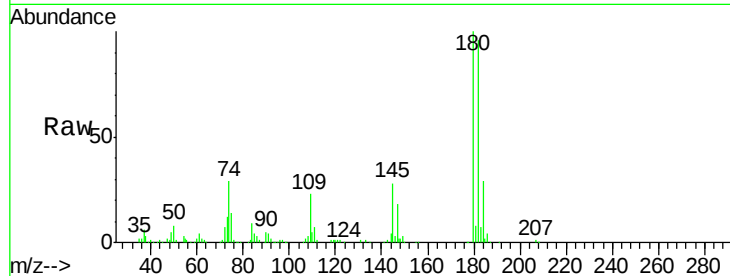
#93
1,2,4-Trichlorobenzene
Concen: 18.746 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBSD01

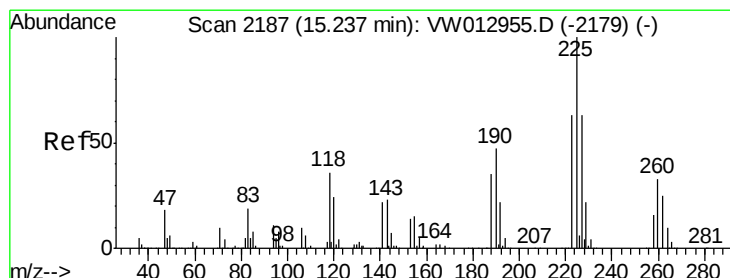
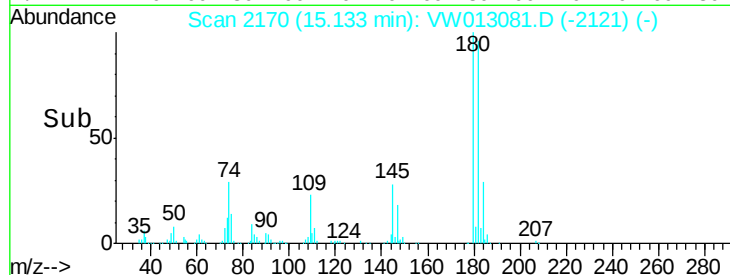
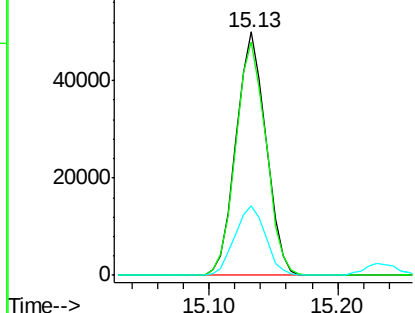
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.2	47.4	142.2	
145	29.5	14.9	44.7	

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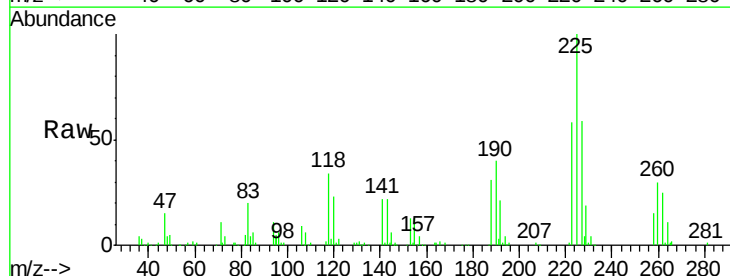


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

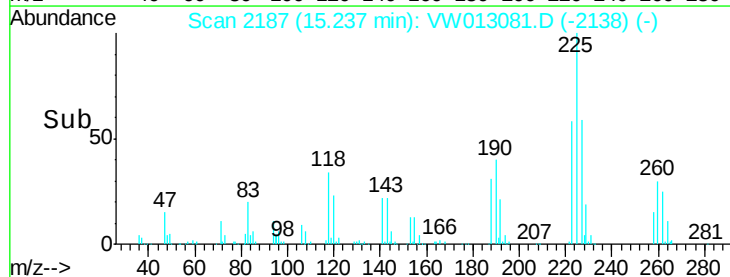
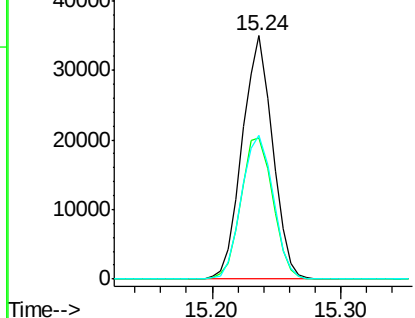


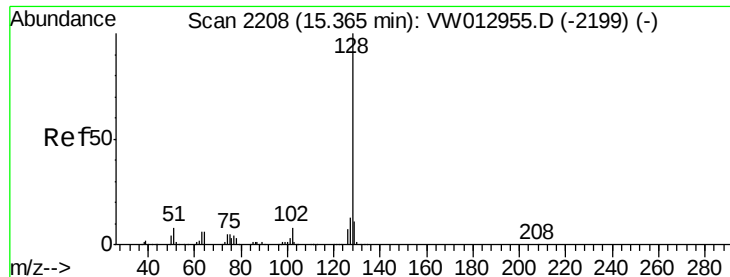
#94
Hexachlorobutadiene
Concen: 18.754 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.4	31.8	95.3	
227	61.8	31.3	93.8	



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





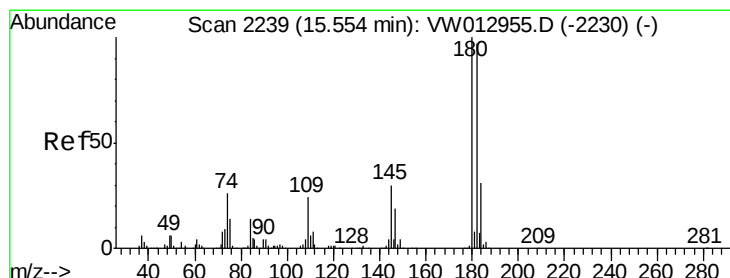
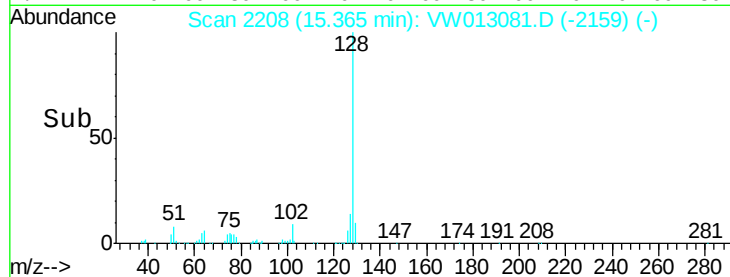
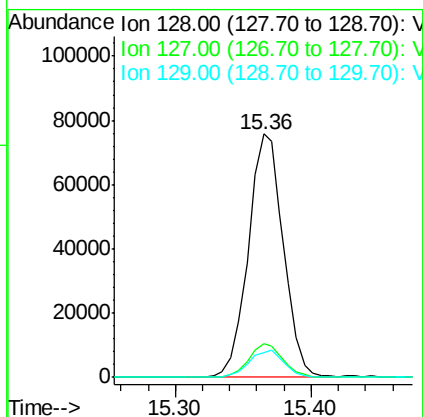
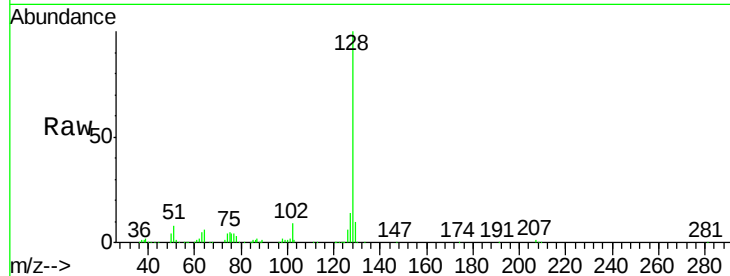
#95
Naphthalene
Concen: 18.999 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0917SBSD01

Tot Ion:	128	Resp:	136242
Ion Ratio	Lower	Upper	
128	100		
127	13.6	11.0	16.6
129	11.0	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 19.189 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013081.D
Acq: 17 Sep 2019 11:19

Tgt Ion:	180	Resp:	72800
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.6	142.8
145	29.3	15.4	46.2

