

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012176.D
 Acq On : 26 Aug 2019 17:48
 Operator : SY/VA
 Sample : VW0826SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 11:04:26 AM

Quant Time: Aug 27 05:39:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	237092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	375851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	325427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	157240	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	148481	52.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.36%	
35) Dibromofluoromethane	7.88	113	116287	51.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.66%	
50) Toluene-d8	10.32	98	477258	52.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.62	95	167518	52.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	25742m	17.633	ug/l	
3) Chloromethane	2.21	50	40418	17.870	ug/l	98
4) Vinyl Chloride	2.36	62	49700	17.953	ug/l	96
5) Bromomethane	2.77	94	25379	18.102	ug/l	97
6) Chloroethane	2.91	64	28094	17.990	ug/l	97
7) Trichlorofluoromethane	3.25	101	24920	17.928	ug/l	95
8) Diethyl Ether	3.68	74	23946	18.149	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44624	18.886	ug/l	98
10) Methyl Iodide	4.27	142	56700	17.736	ug/l	99
11) Tert butyl alcohol	5.17	59	19896	117.303	ug/l	98
12) 1,1-Dichloroethene	4.04	96	43612	18.339	ug/l	99
13) Acrolein	3.89	56	16195	101.434	ug/l	99
14) Allyl chloride	4.67	41	91510	17.999	ug/l	99
15) Acrylonitrile	5.37	53	64807	99.096	ug/l	100
16) Acetone	4.12	43	67718	93.994	ug/l	94
17) Carbon Disulfide	4.38	76	118646	16.508	ug/l	100
18) Methyl Acetate	4.67	43	35649	19.978	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	73537	19.121	ug/l	97
20) Methylene Chloride	4.92	84	51225	18.808	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	46999	18.430	ug/l	98
22) Diisopropyl ether	6.31	45	178667	18.959	ug/l	98
23) Vinyl Acetate	6.25	43	553689	95.470	ug/l	99
24) 1,1-Dichloroethane	6.21	63	96007	18.711	ug/l	99
25) 2-Butanone	7.17	43	97209	99.293	ug/l	100
26) 2,2-Dichloropropane	7.17	77	57346	19.745	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	51570	18.927	ug/l	97
28) Bromochloromethane	7.51	49	44961	20.104	ug/l #	99
29) Tetrahydrofuran	7.53	42	61237	104.257	ug/l	99
30) Chloroform	7.67	83	90015	19.175	ug/l	99
31) Cyclohexane	7.95	56	88454	17.424	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	70242	18.914	ug/l	100
36) 1,1-Dichloropropene	8.08	75	72325	18.621	ug/l	99
37) Ethyl Acetate	7.25	43	43272	20.331	ug/l	99
38) Carbon Tetrachloride	8.07	117	63434	18.870	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78568	18.006	ug/l	99
40) Benzene	8.32	78	197806	18.651	ug/l	100
41) Methacrylonitrile	7.48	41	24851	19.866	ug/l	97
42) 1,2-Dichloroethane	8.40	62	64664	19.455	ug/l	100
43) Isopropyl Acetate	8.42	43	78983	20.034	ug/l	99
44) Trichloroethene	9.09	130	47505	18.426	ug/l	95
45) 1,2-Dichloropropane	9.37	63	54548	19.111	ug/l	95
46) Dibromomethane	9.46	93	24605	19.375	ug/l	99
47) Bromodichloromethane	9.65	83	64569	19.104	ug/l	99
48) Methyl methacrylate	9.43	41	36051	19.213	ug/l	95
49) 1,4-Dioxane	9.45	88	7508	386.186	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	203966	101.717	ug/l	99
52) Toluene	10.38	92	121168	19.018	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	65406	18.998	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	78645	18.919	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	35363	19.681	ug/l	95
56) Ethyl methacrylate	10.65	69	50644	19.366	ug/l	98
57) 1,3-Dichloropropane	10.93	76	66859	19.691	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	145604	108.488	ug/l	99
59) 2-Hexanone	10.97	43	142922	100.732	ug/l	100
60) Dibromochloromethane	11.13	129	37813	18.894	ug/l	97
61) 1,2-Dibromoethane	11.23	107	33102	19.775	ug/l	100
64) Tetrachloroethene	10.86	164	39743	18.837	ug/l	97
65) Chlorobenzene	11.66	112	120973	18.879	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	42460	18.994	ug/l	100
67) Ethyl Benzene	11.73	91	233804	18.941	ug/l	99
68) m/p-Xylenes	11.84	106	168391	37.871	ug/l	99
69) o-Xylene	12.16	106	77251	18.772	ug/l	100
70) Styrene	12.18	104	134580	18.893	ug/l	100
71) Bromoform	12.35	173	21798	19.571	ug/l #	96
73) Isopropylbenzene	12.46	105	221974	18.840	ug/l	98
74) N-amyl acetate	12.27	43	69648	19.565	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	43169	19.985	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	28983m	18.926	ug/l	
77) Bromobenzene	12.74	156	48234	18.923	ug/l	98
78) n-propylbenzene	12.80	91	274684	19.097	ug/l	99
79) 2-Chlorotoluene	12.89	91	153625	18.812	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	187137	19.008	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13972	20.004	ug/l	99
82) 4-Chlorotoluene	12.99	91	162401	18.993	ug/l	100
83) tert-Butylbenzene	13.21	119	160576	19.254	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	186608	18.869	ug/l	100
85) sec-Butylbenzene	13.38	105	230702	19.309	ug/l	99
86) p-Isopropyltoluene	13.50	119	204953	19.208	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	96797	19.415	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	94756	19.141	ug/l	98
89) n-Butylbenzene	13.82	91	204207	19.245	ug/l	99
90) Hexachloroethane	14.09	117	35714	19.077	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	84259	19.265	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7542	20.711	ug/l	93

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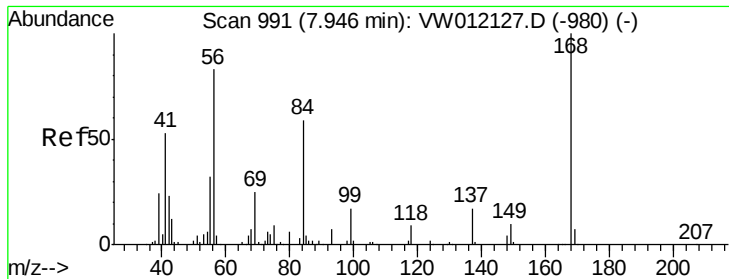
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59348	19.635	ug/l	99
94) Hexachlorobutadiene	15.24	225	39312	19.698	ug/l	97
95) Naphthalene	15.36	128	103399	20.248	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	50783	19.257	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion:168 Resp: 237092

Ion Ratio Lower Upper

168 100

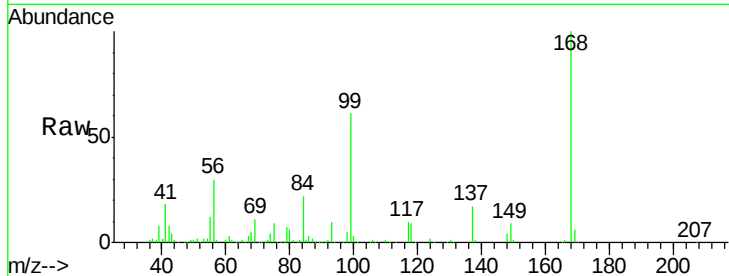
99 60.9 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

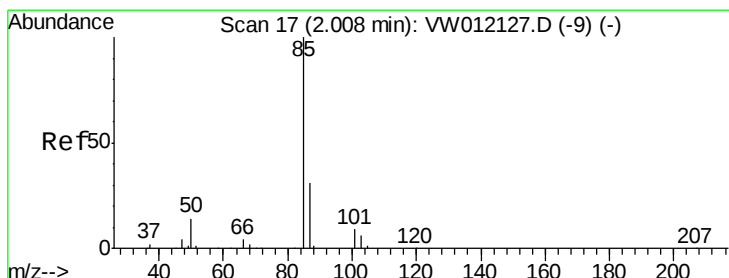
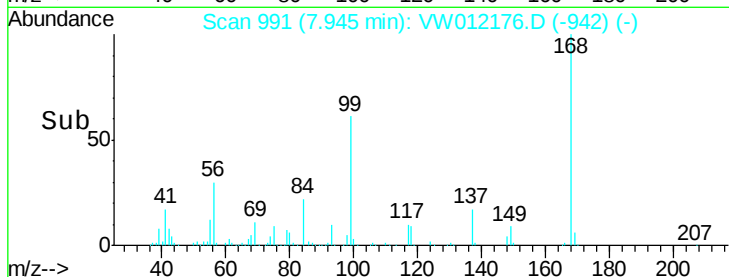
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 17.633 ug/l m

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012176.D

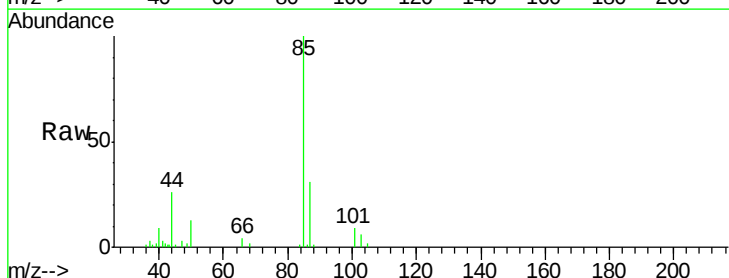
Acq: 26 Aug 2019 17:48

Tgt Ion: 85 Resp: 25742

Ion Ratio Lower Upper

85 100

87 30.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

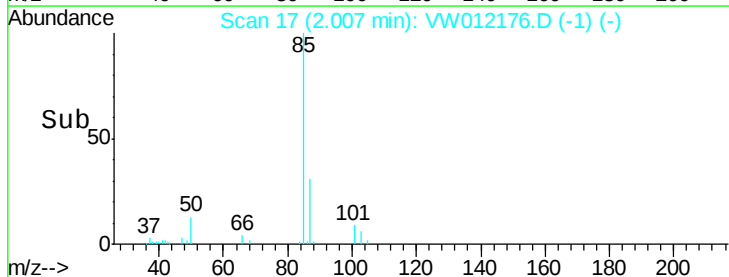
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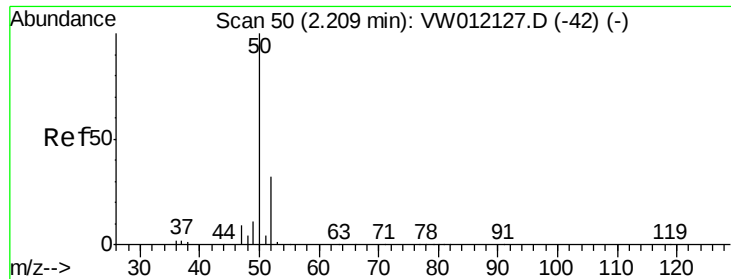
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 17.870 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion: 50 Resp: 40418

Ion Ratio Lower Upper

50 100

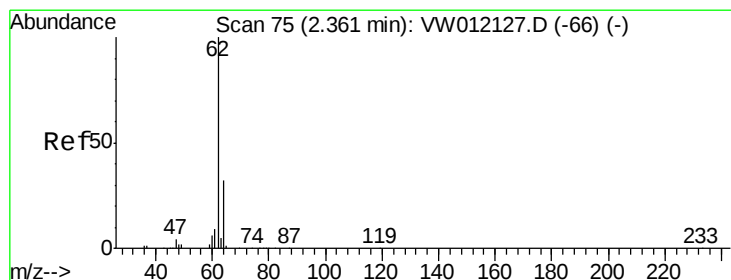
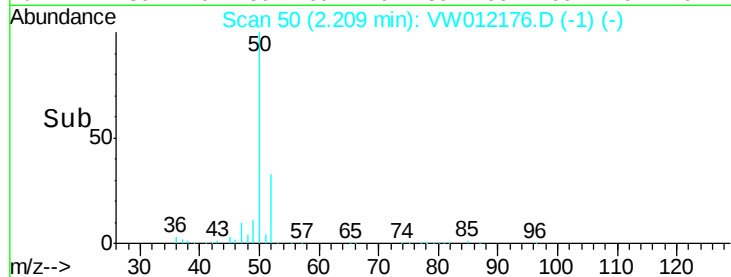
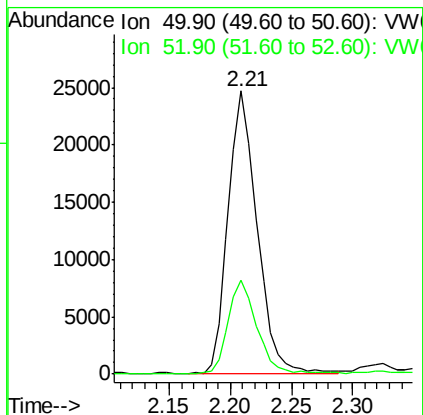
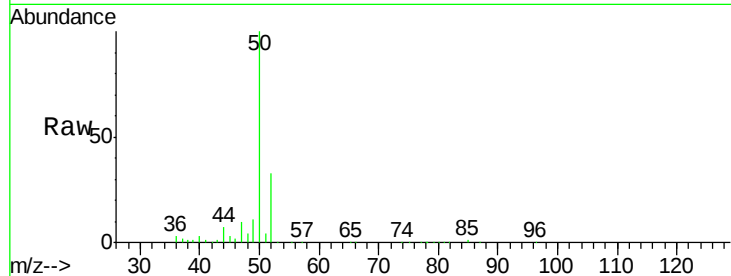
52 33.1 25.5 38.3

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#4

Vinyl Chloride

Concen: 17.953 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012176.D

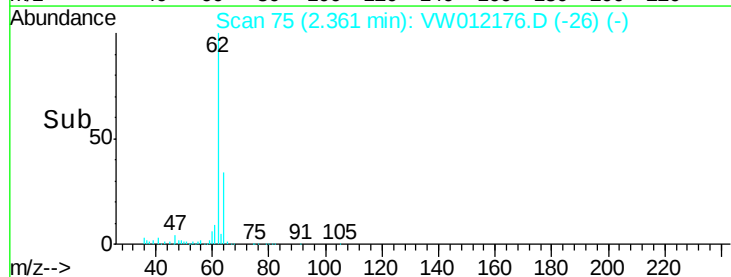
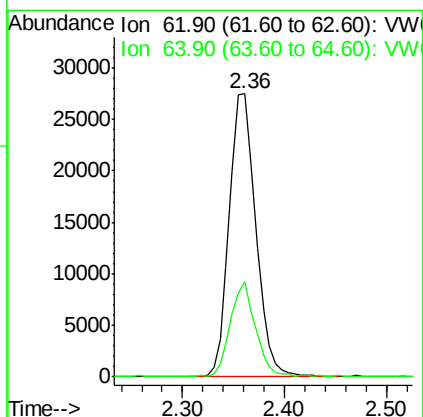
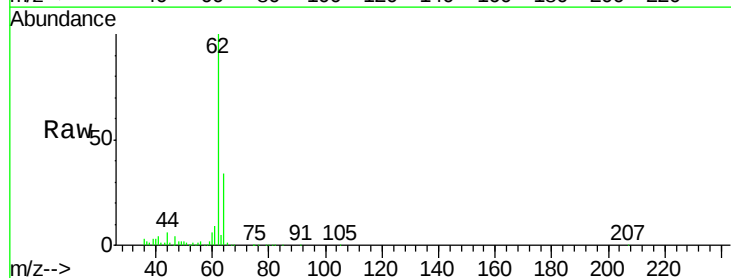
Acq: 26 Aug 2019 17:48

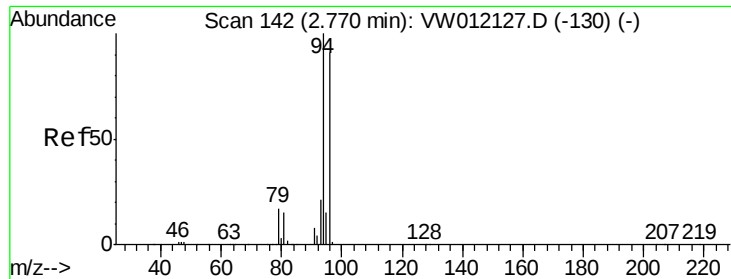
Tgt Ion: 62 Resp: 49700

Ion Ratio Lower Upper

62 100

64 33.8 25.3 37.9





#5

Bromomethane

Concen: 18.102 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

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ClientSampleId :

VW0826SBS02

Tot Ion: 94 Resp: 25379

Ion Ratio Lower Upper

94 100

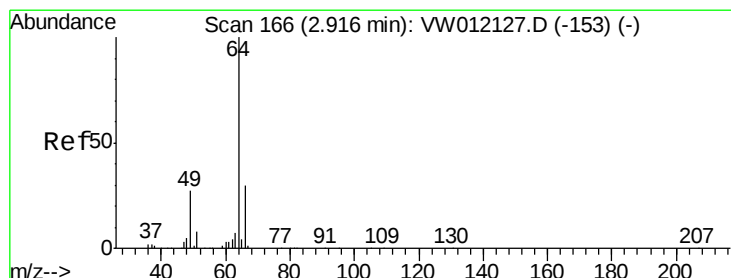
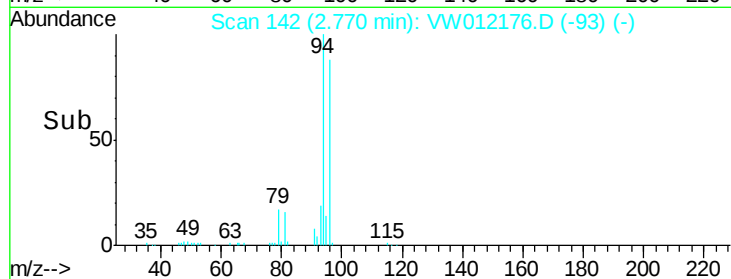
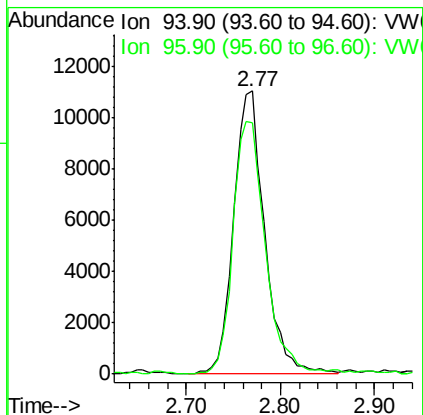
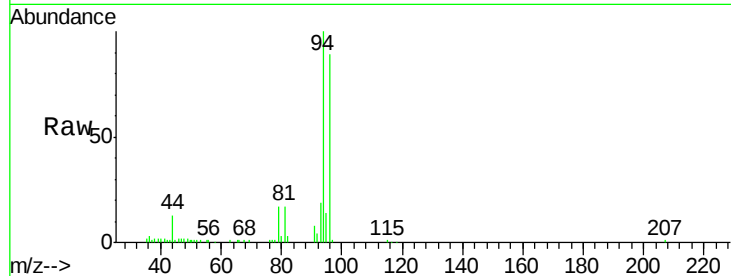
96 88.7 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 17.990 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012176.D

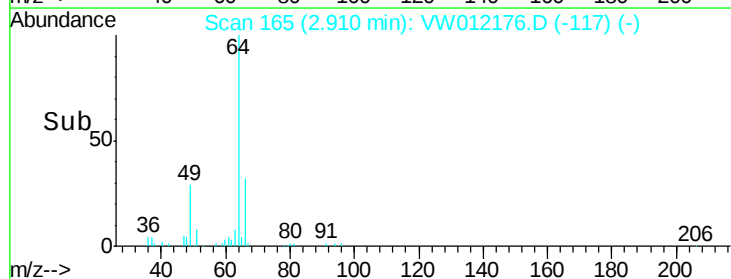
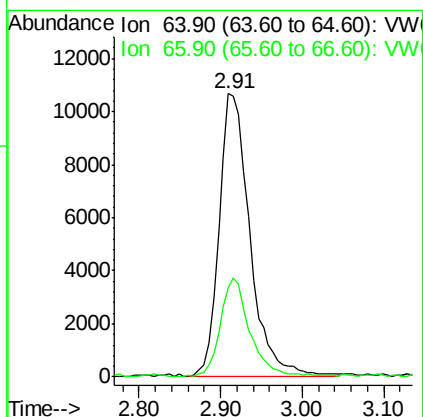
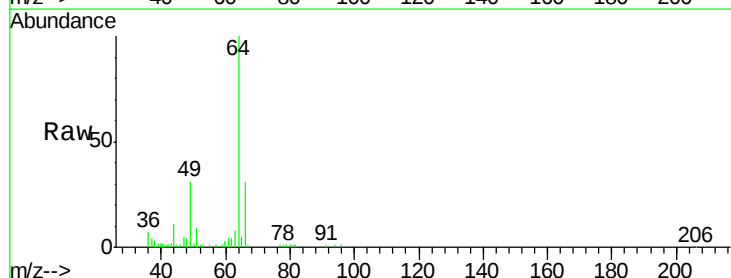
Acq: 26 Aug 2019 17:48

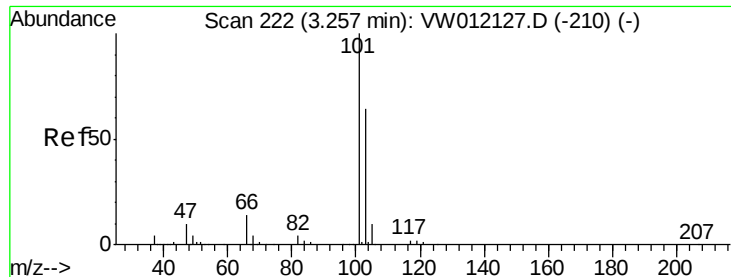
Tgt Ion: 64 Resp: 28094

Ion Ratio Lower Upper

64 100

66 31.4 23.8 35.8





#7

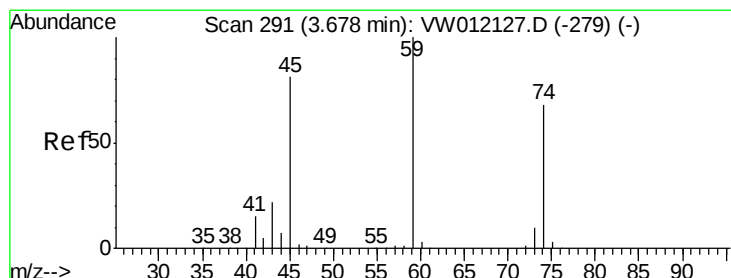
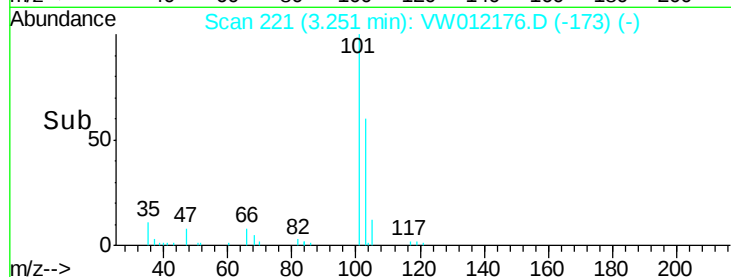
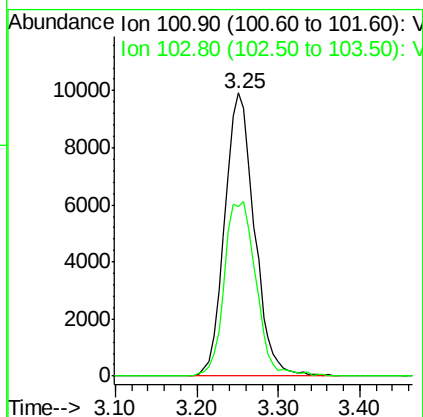
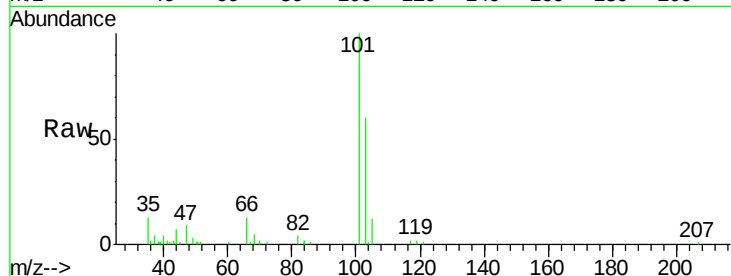
Trichlorofluoromethane
 Concen: 17.928 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.9	51.2	76.8

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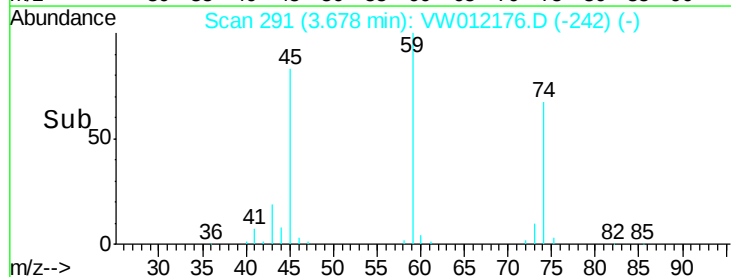
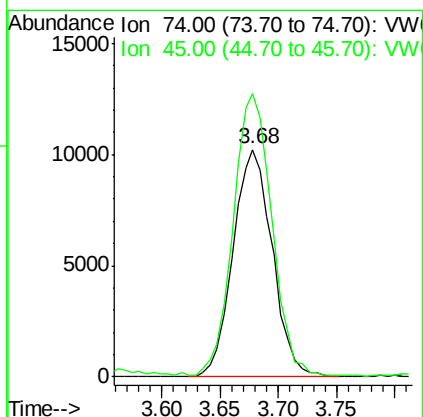
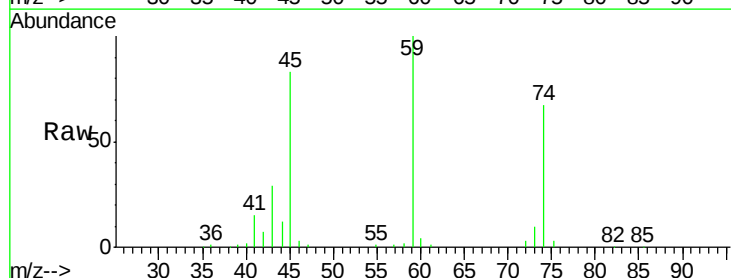
MMDadoda
 8/27/2019 11:04:26 AM

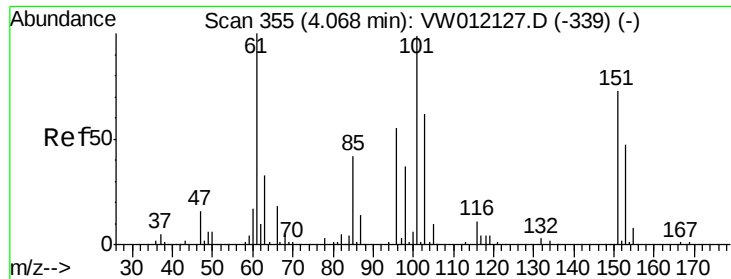


#8

Diethyl Ether
 Concen: 18.149 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.7	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.886 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012176.D

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Instrument :

MSVOA_W

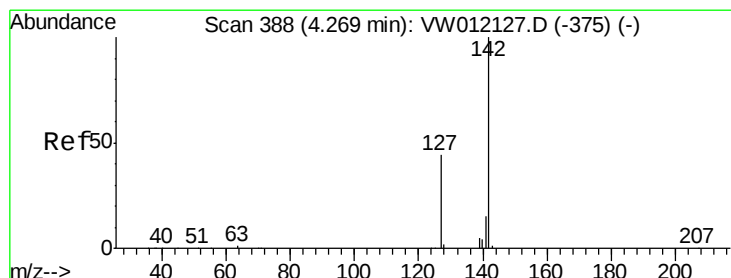
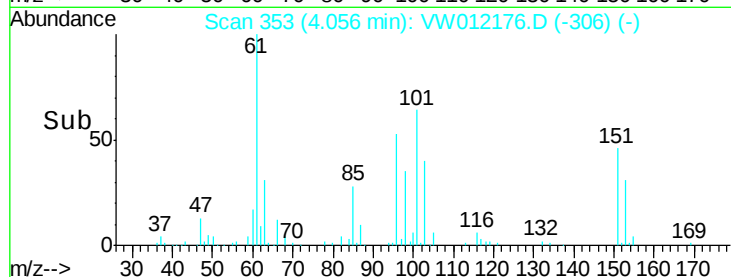
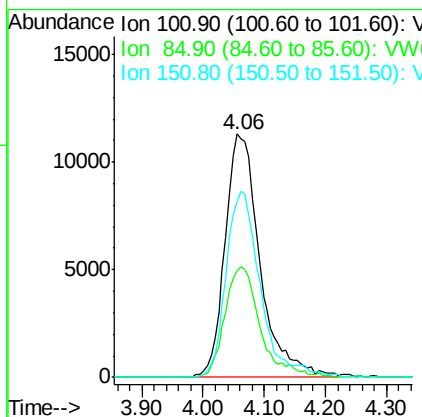
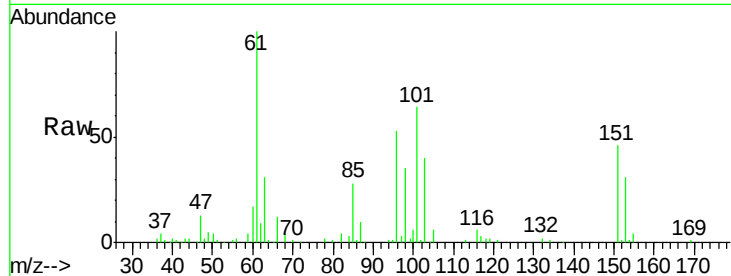
ClientSampleId :

VW0826SBS02

Tot Ion:	101	Resp:	44624
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.8	53.6
151	74.9	58.6	87.8

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#10

Methyl Iodide

Concen: 17.736 ug/l

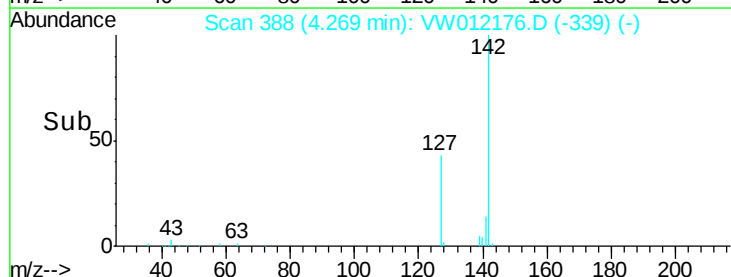
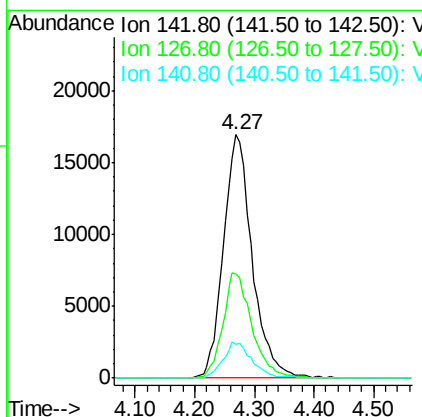
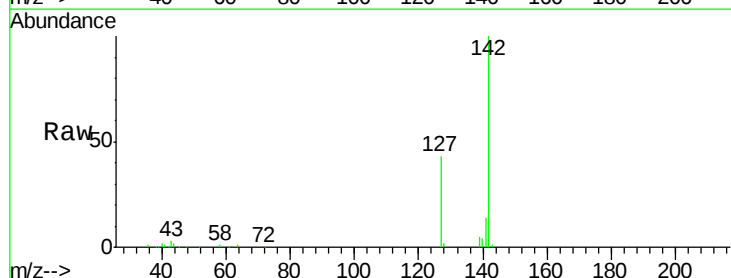
RT: 4.27 min Scan# 388

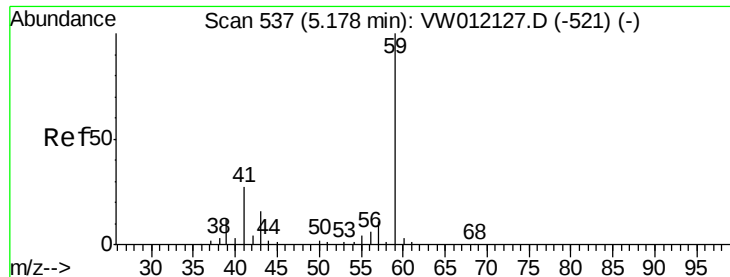
Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Tgt Ion:	142	Resp:	56700
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.5	53.3
141	14.8	11.8	17.8





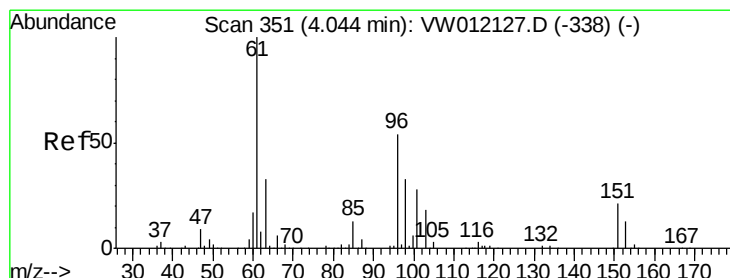
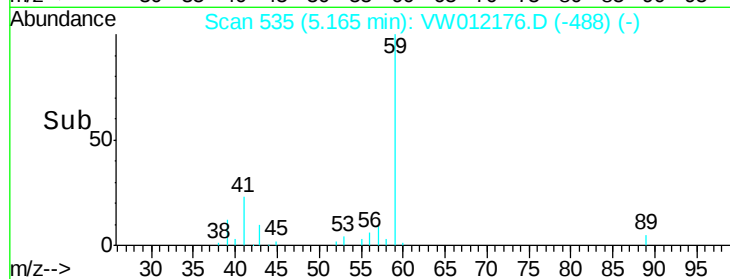
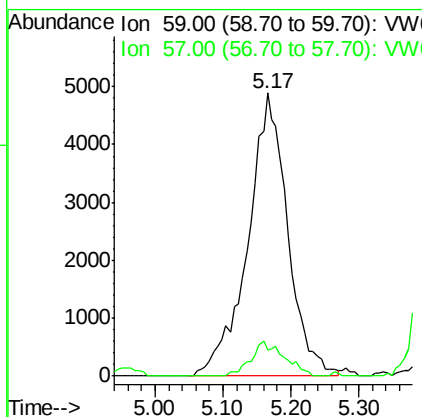
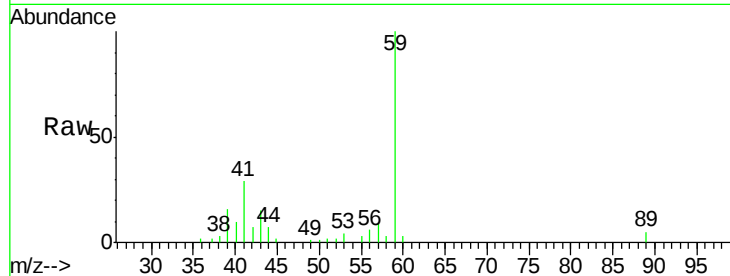
#11
Tert butyl alcohol
Concen: 117.303 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.0	13.4

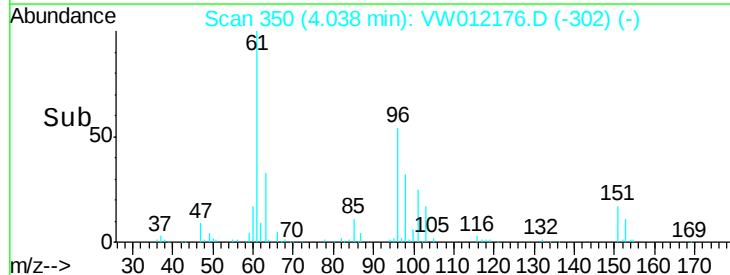
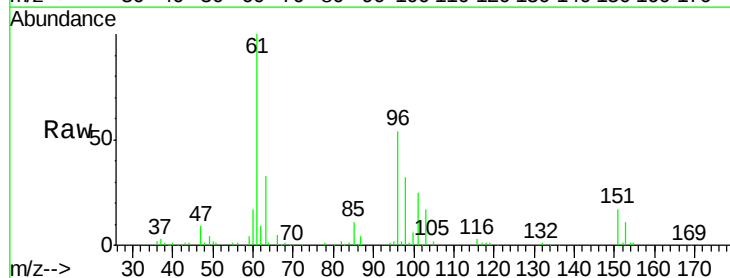
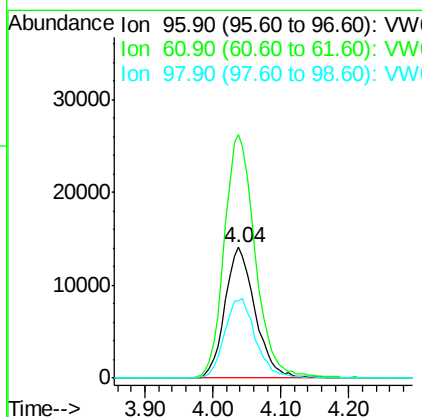
Manual Integrations
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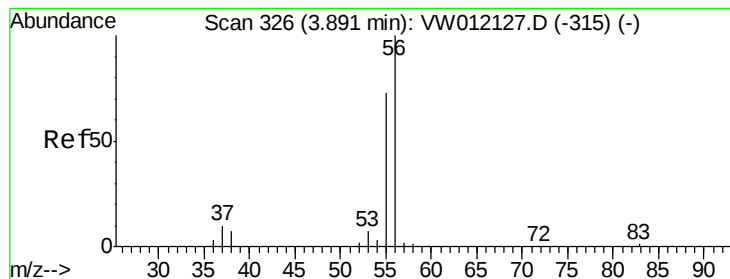
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.339 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.1	149.1	223.7
98	58.8	49.4	74.2





#13

Acrolein

Concen: 101.434 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion: 56 Resp: 16195

Ion Ratio Lower Upper

56 100

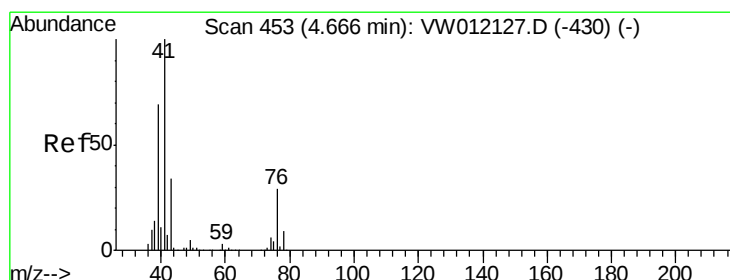
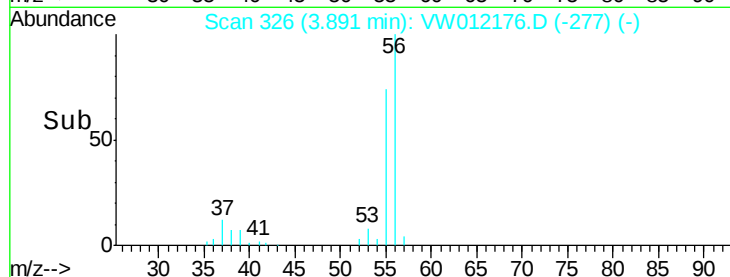
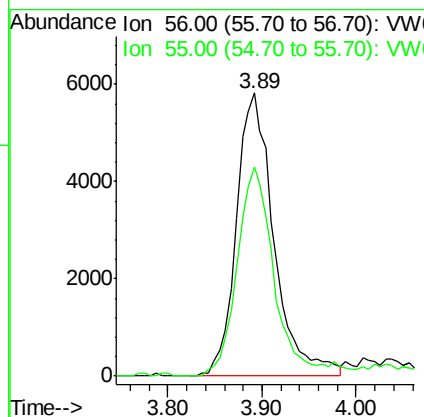
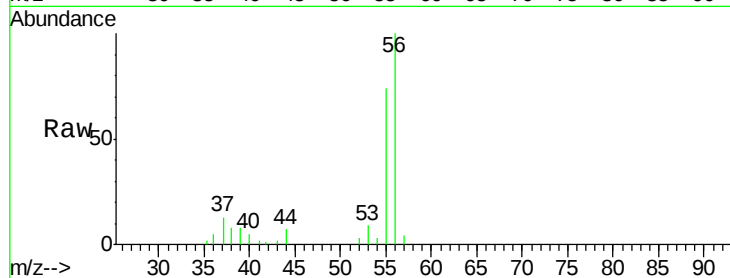
55 70.9 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 17.999 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

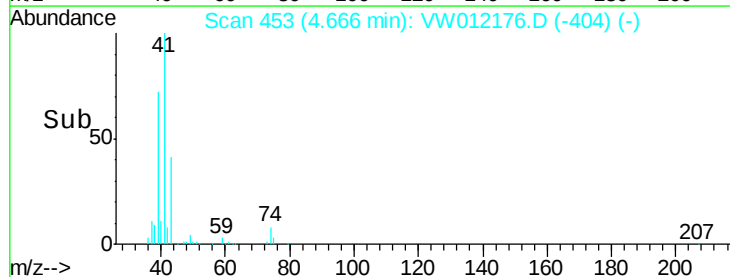
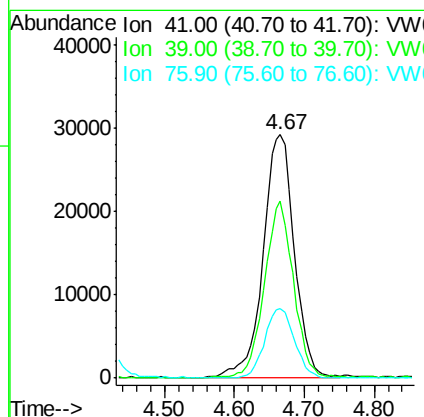
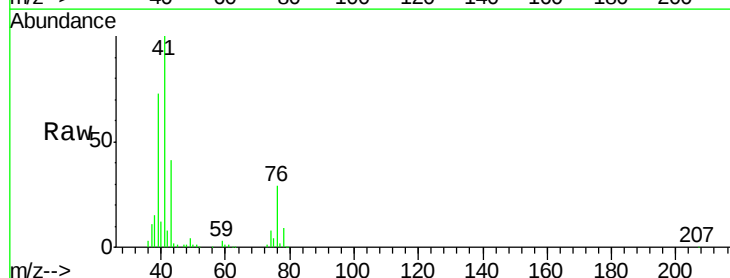
Tgt Ion: 41 Resp: 91510

Ion Ratio Lower Upper

41 100

39 67.8 53.4 80.2

76 27.2 22.1 33.1





#15

Acrylonitrile

Concen: 99.096 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

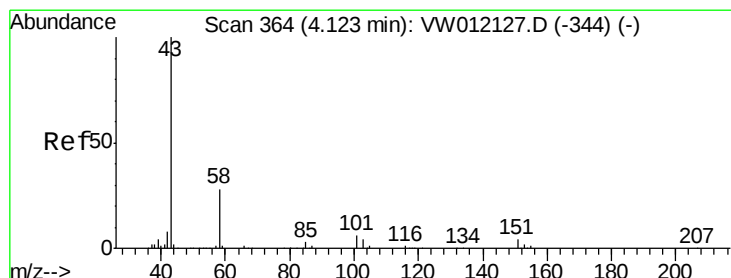
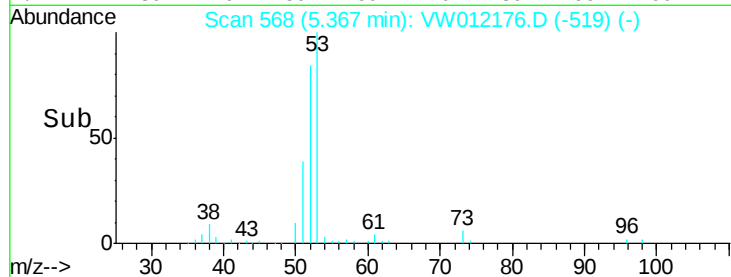
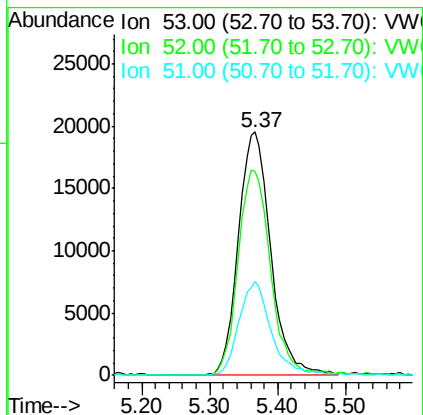
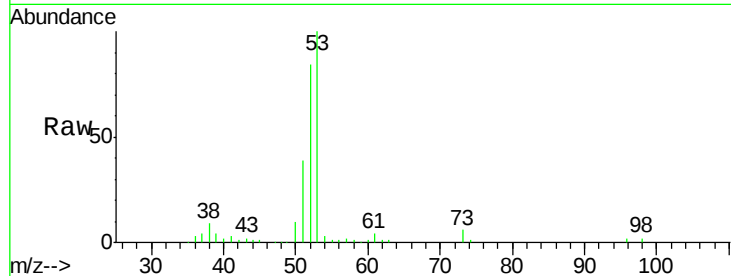
ClientSampleId :

VW0826SBS02

Tot Ion:	53	Resp:	64807
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.7	100.1
51	38.4	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 93.994 ug/l

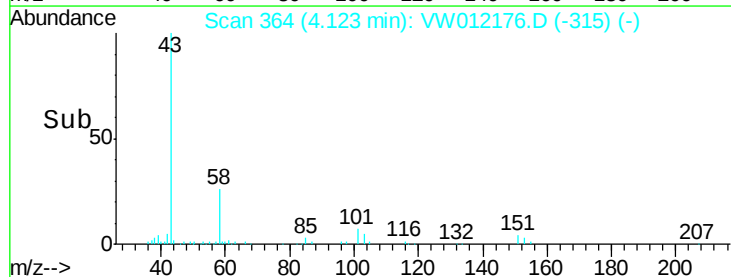
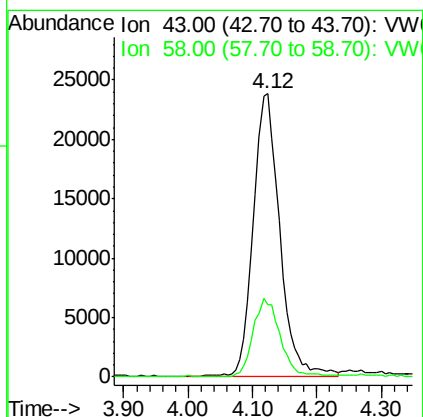
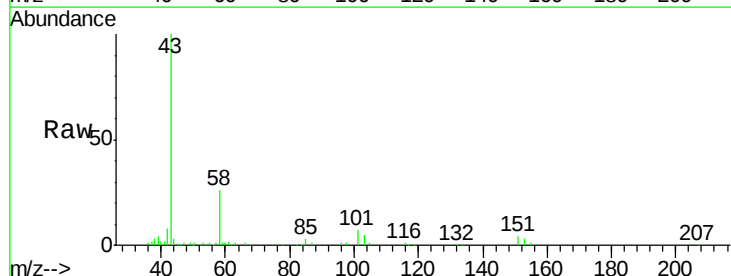
RT: 4.12 min Scan# 364

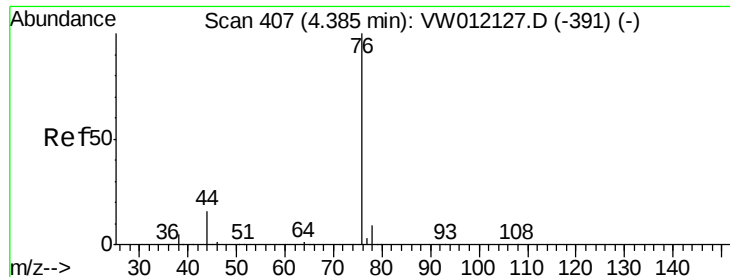
Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Tgt Ion:	43	Resp:	67718
Ion	Ratio	Lower	Upper
43	100		
58	25.1	22.4	33.6





#17

Carbon Disulfide

Concen: 16.508 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion: 76 Resp: 118646

Ion Ratio Lower Upper

76 100

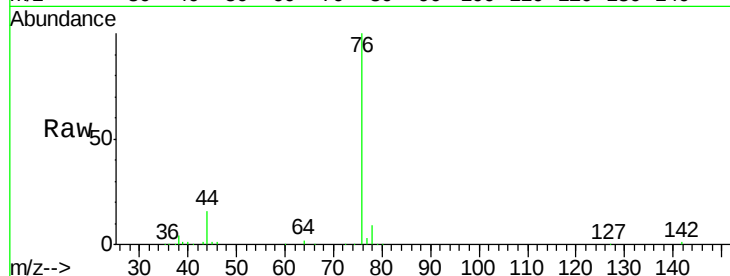
78 9.0 7.3 10.9

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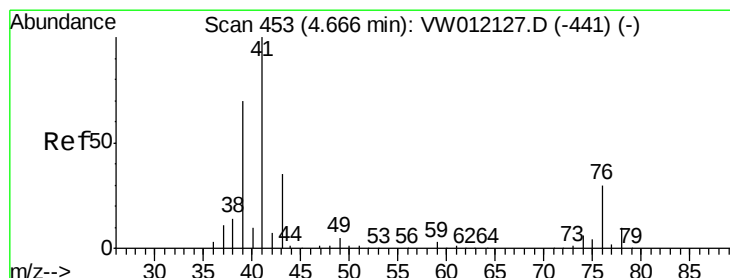
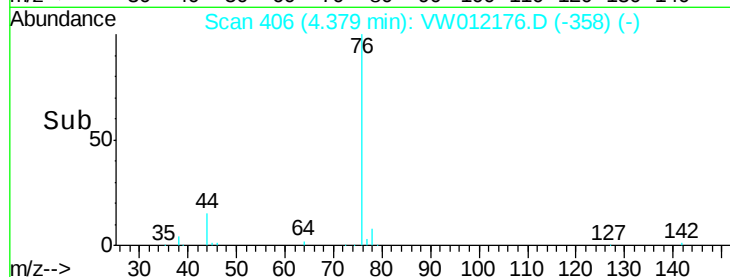
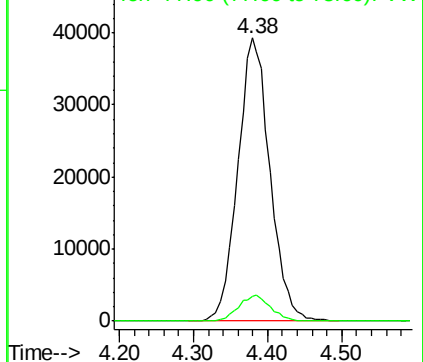
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 19.978 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012176.D

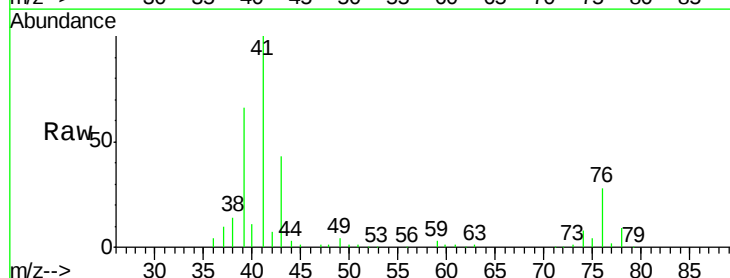
Acq: 26 Aug 2019 17:48

Tgt Ion: 43 Resp: 35649

Ion Ratio Lower Upper

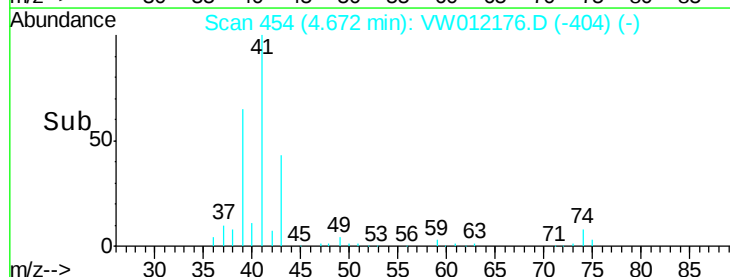
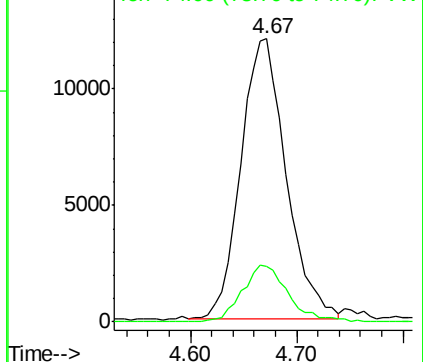
43 100

74 20.7 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





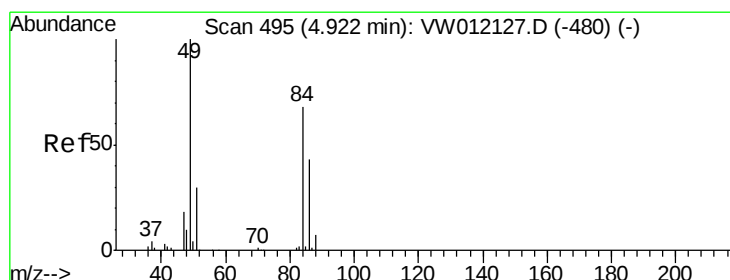
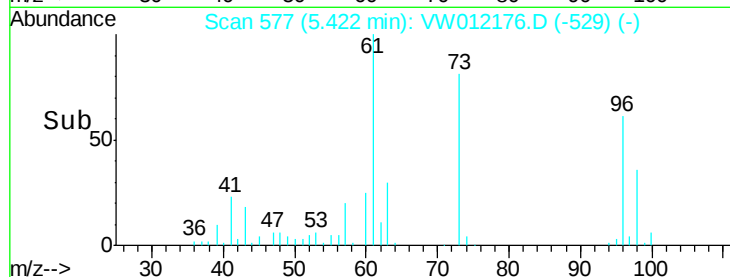
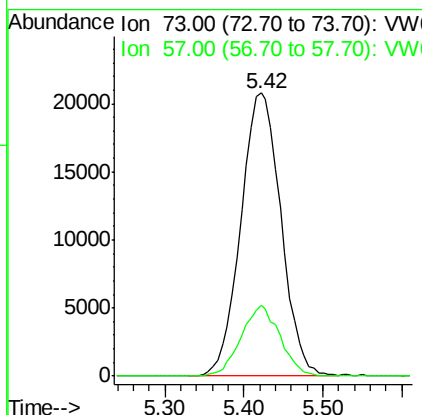
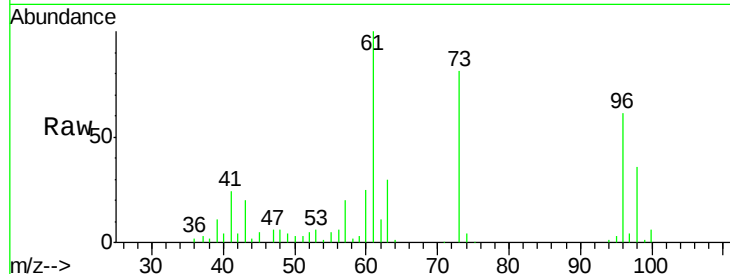
#19
Methyl tert-butyl Ether
Concen: 19.121 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion: 73 Resp: 73537
Ion Ratio Lower Upper
73 100
57 25.0 18.9 28.3

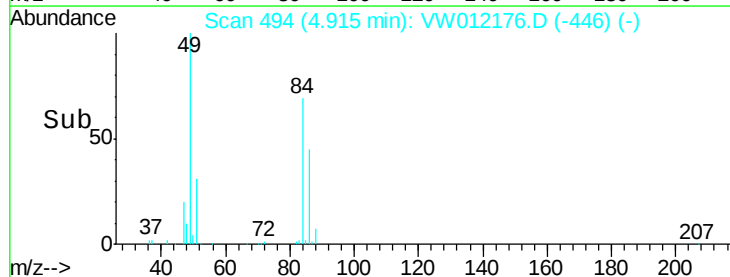
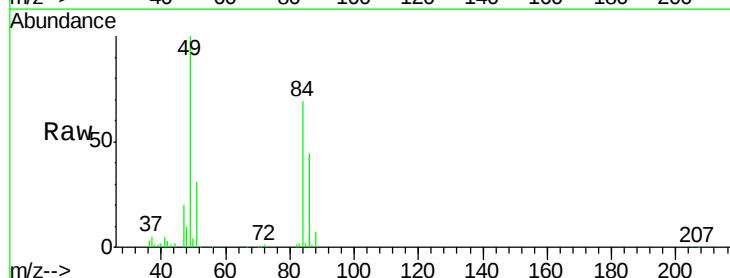
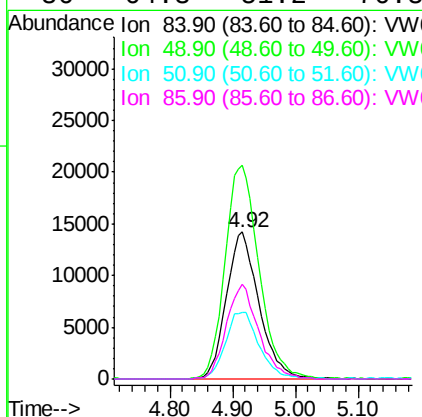
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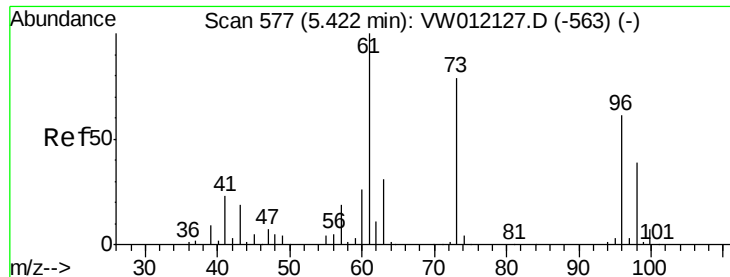
MMDadoda
8/27/2019 11:04:26 AM



#20
Methylene Chloride
Concen: 18.808 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tgt Ion: 84 Resp: 51225
Ion Ratio Lower Upper
84 100
49 145.3 117.8 176.8
51 45.6 35.6 53.4
86 64.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.430 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion: 96 Resp: 46999

Ion Ratio Lower Upper

96 100

61 164.4 131.4 197.0

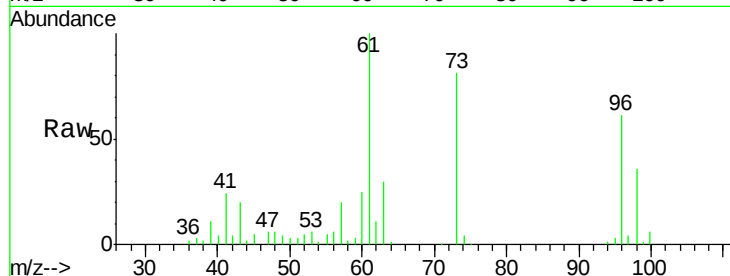
98 59.6 51.4 77.0

Manual Integrations

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MMDadoda

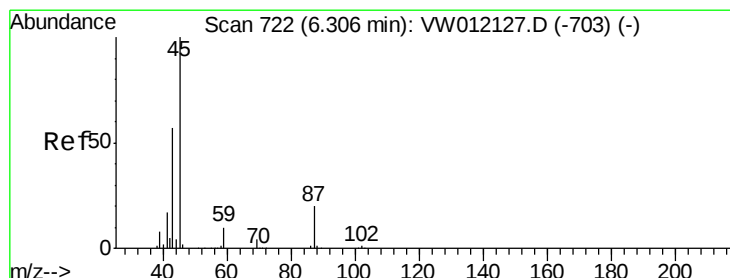
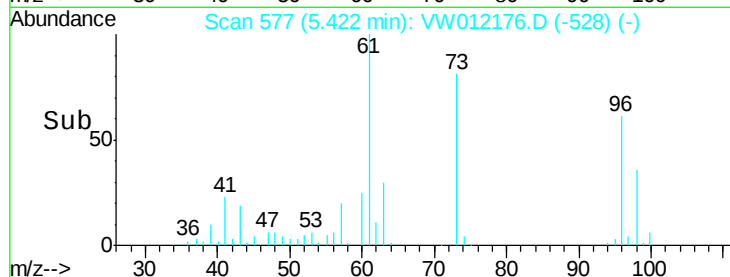
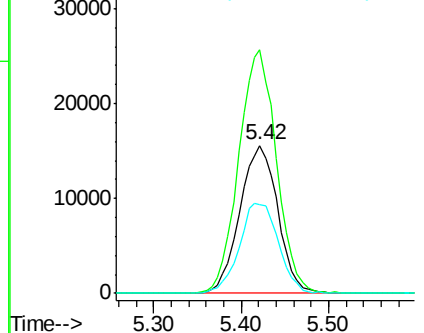
8/27/2019 11:04:26 AM



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 18.959 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Tgt Ion: 45 Resp: 178667

Ion Ratio Lower Upper

45 100

43 57.9 45.5 68.3

87 21.0 16.1 24.1

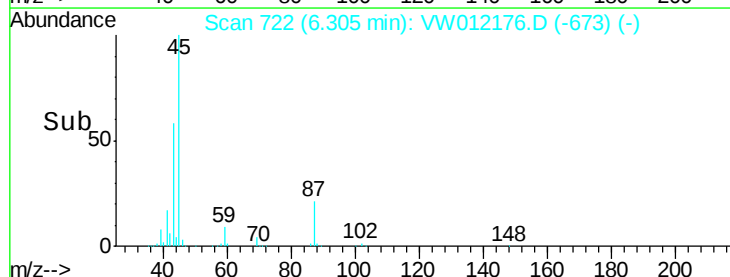
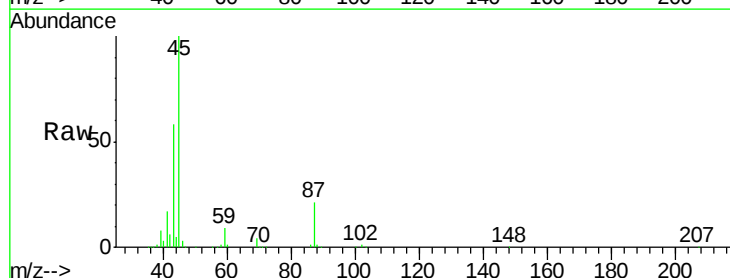
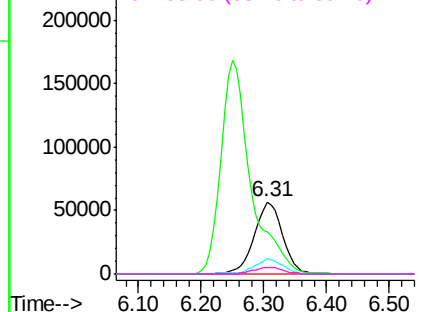
59 9.4 8.2 12.2

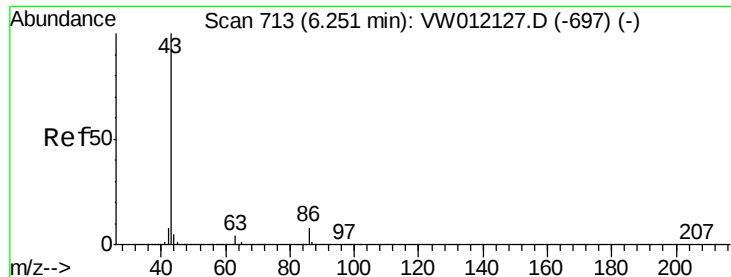
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 95.470 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion: 43 Resp: 553689

Ion Ratio Lower Upper

43 100

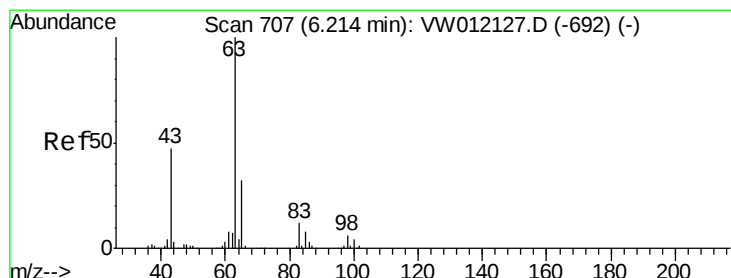
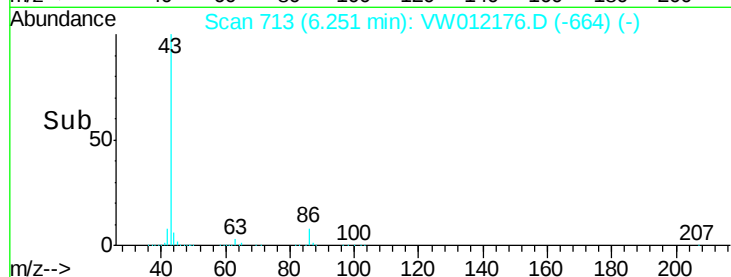
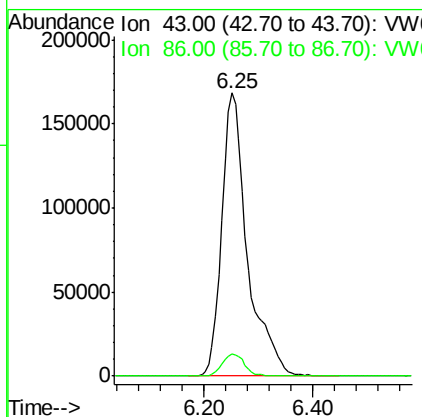
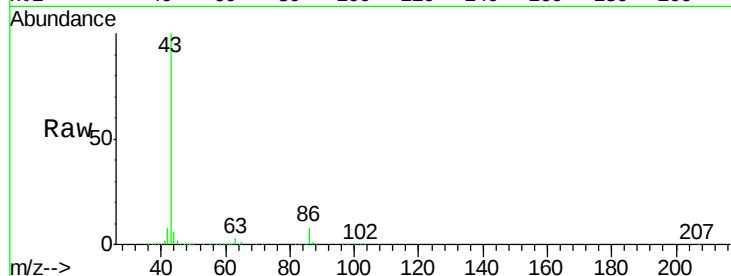
86 7.8 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.711 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

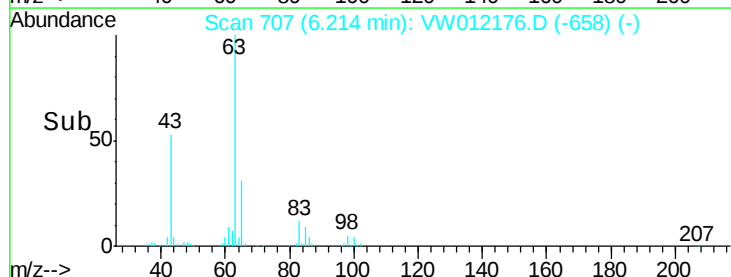
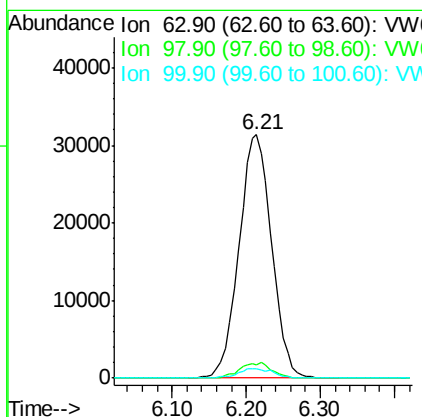
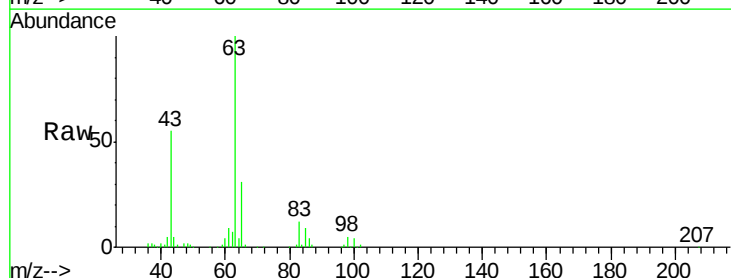
Tgt Ion: 63 Resp: 96007

Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 99.293 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion: 43 Resp: 97209

Ion Ratio Lower Upper

43 100

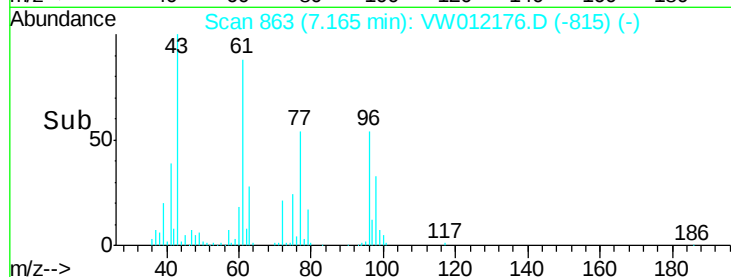
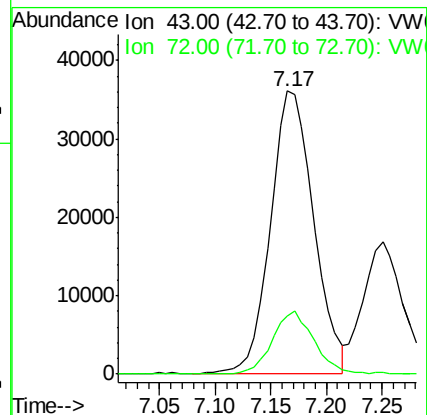
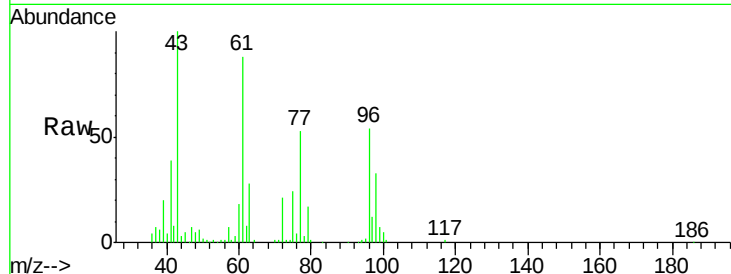
72 20.6 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

8/27/2019 11:04:26 AM



#26

2,2-Dichloropropane

Concen: 19.745 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012176.D

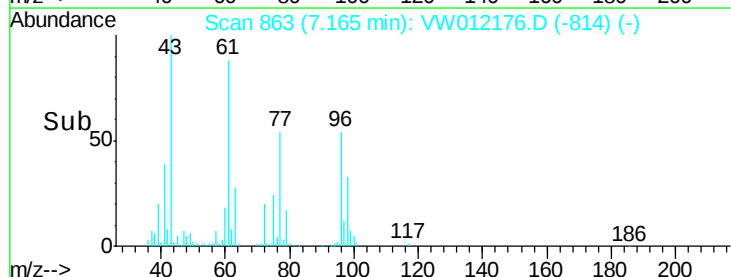
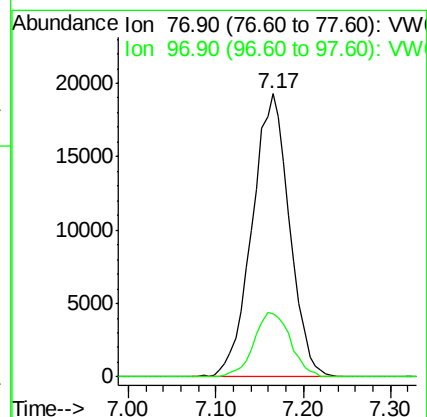
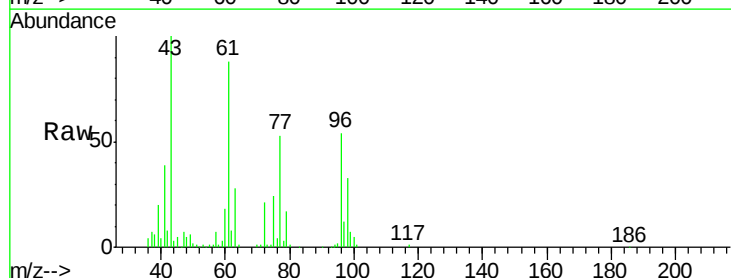
Acq: 26 Aug 2019 17:48

Tgt Ion: 77 Resp: 57346

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.1





#27

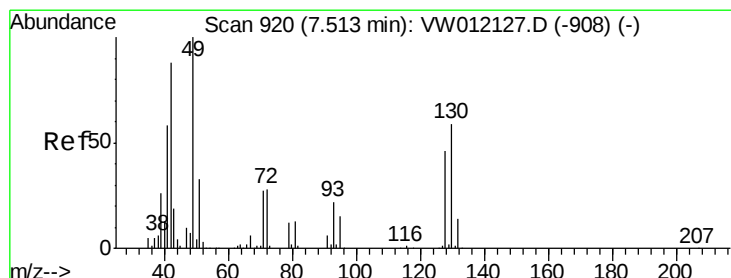
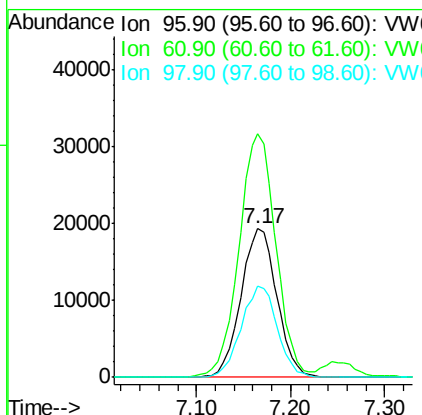
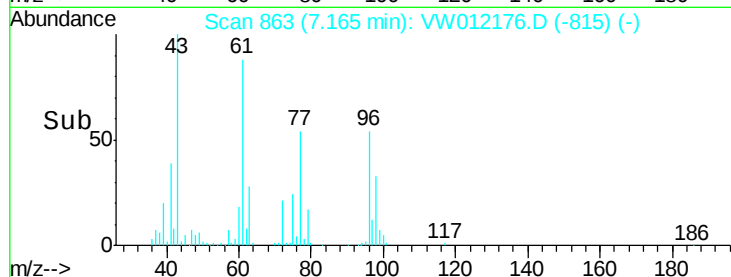
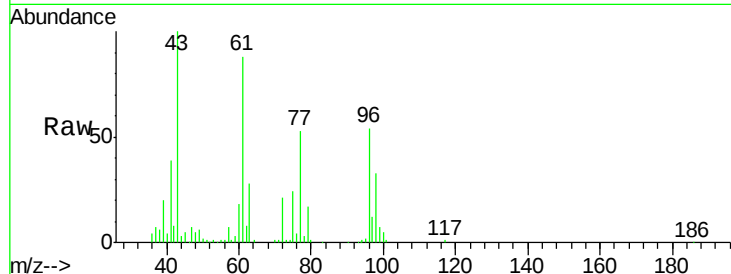
cis-1,2-Dichloroethene
 Concen: 18.927 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.7	0.0	326.6
98	61.8	0.0	127.4

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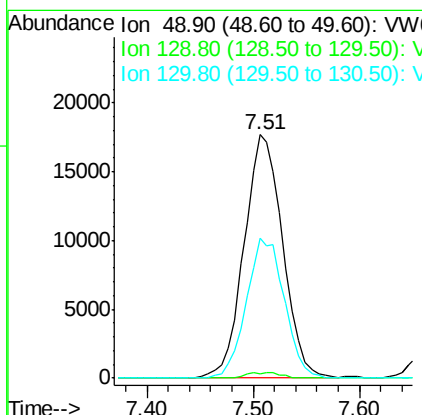
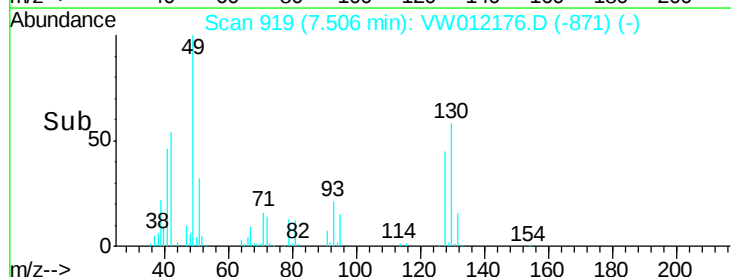
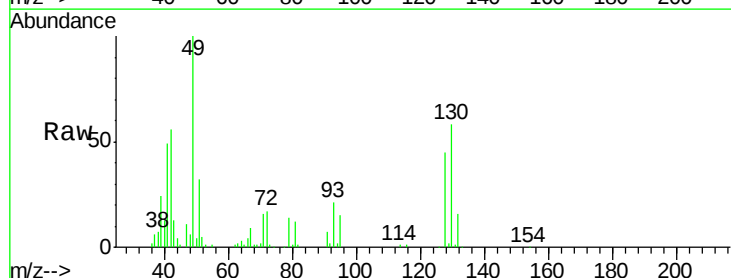
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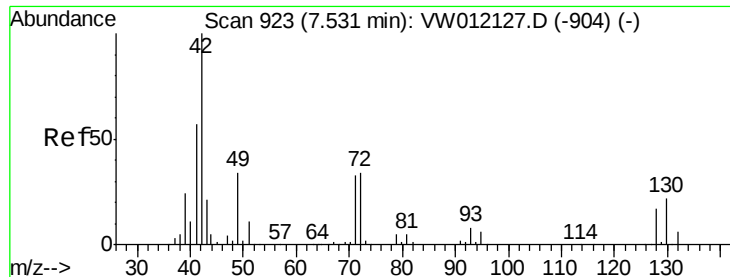


#28

Bromochloromethane
 Concen: 20.104 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	1.4#
130	56.5	45.5	68.3





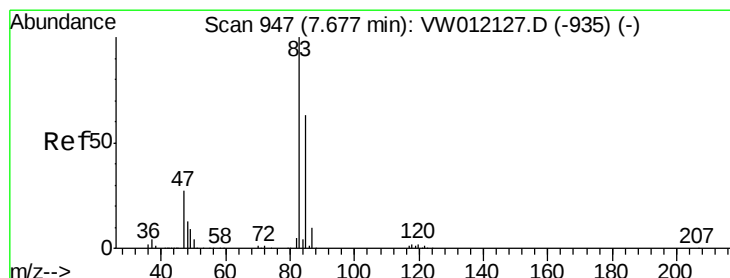
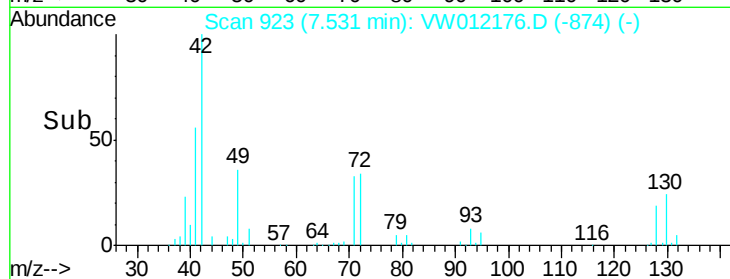
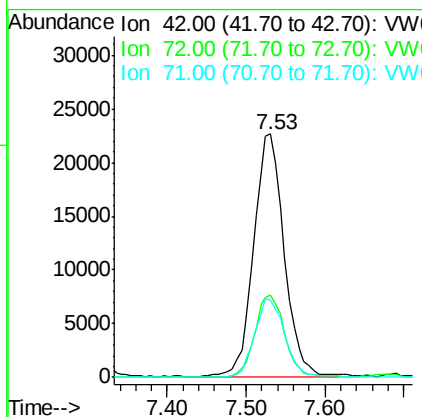
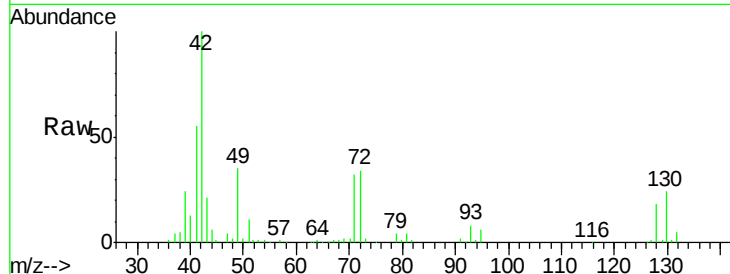
#29
Tetrahydrofuran
Concen: 104.257 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.1	27.3	40.9
71	31.6	25.5	38.3

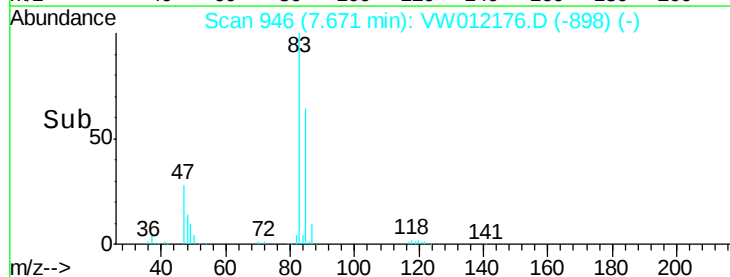
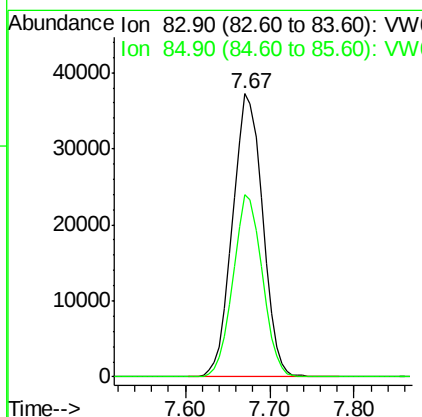
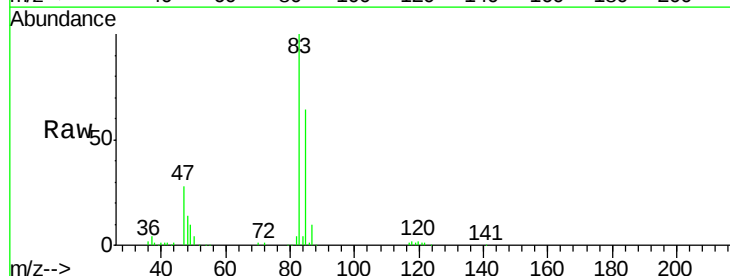
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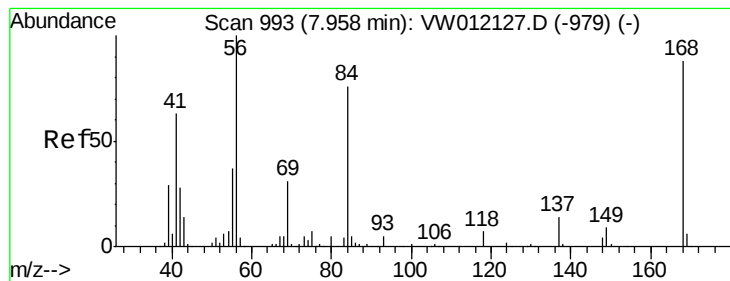
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#30
Chloroform
Concen: 19.175 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	76.0





#31

Cyclohexane

Concen: 17.424 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

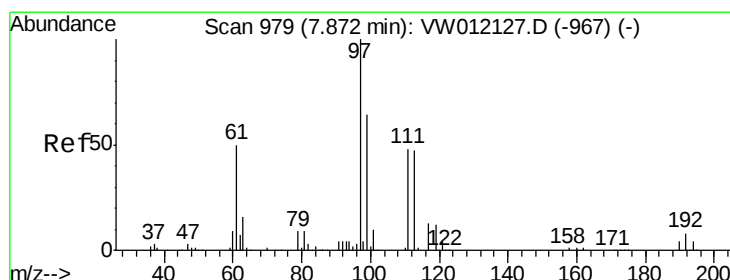
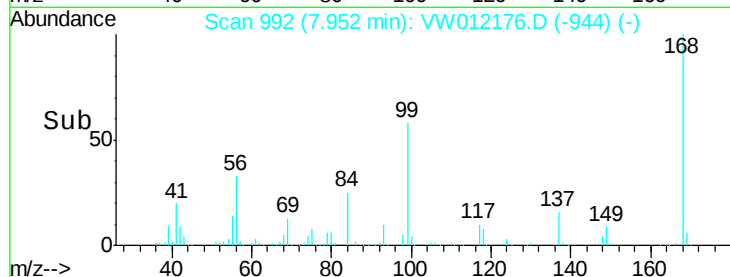
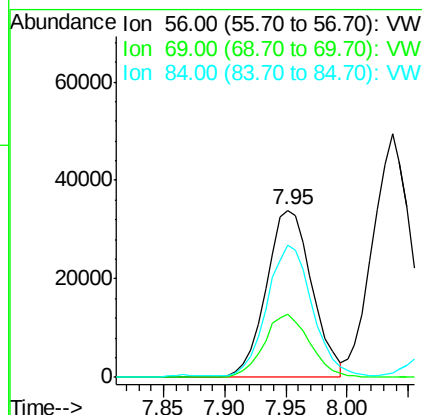
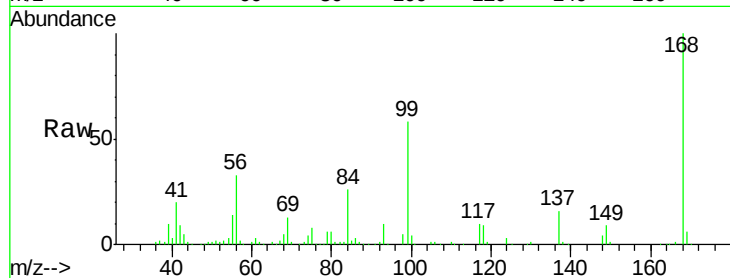
ClientSampleId :

VW0826SBS02

Tot Ion:	56	Resp:	88454
Ion Ratio	Lower	Upper	
56	100		
69	38.2	24.9	37.3#
84	78.2	60.6	90.8

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#32

1,1,1-Trichloroethane

Concen: 18.914 ug/l

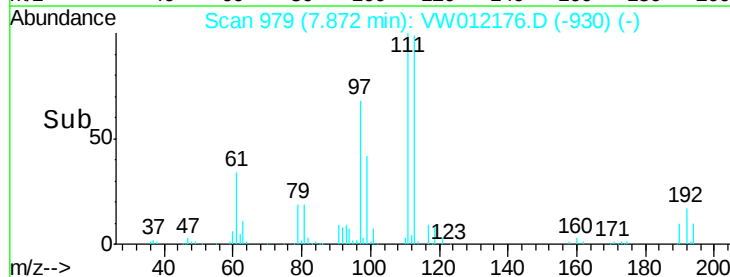
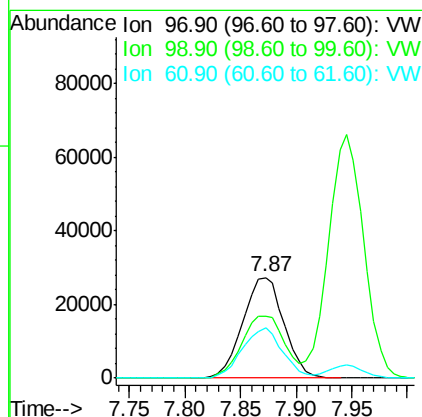
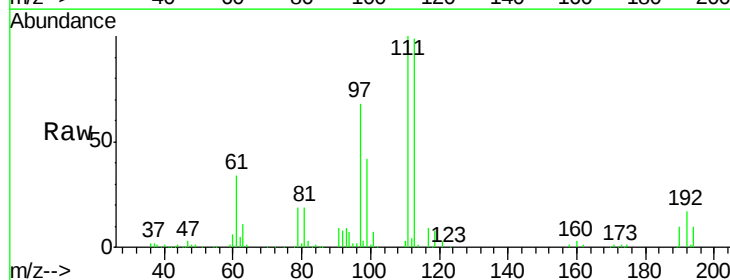
RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Tgt Ion:	97	Resp:	70242
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.4	77.0
61	49.1	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 52.682 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion: 65 Resp: 148481

Ion Ratio Lower Upper

65 100

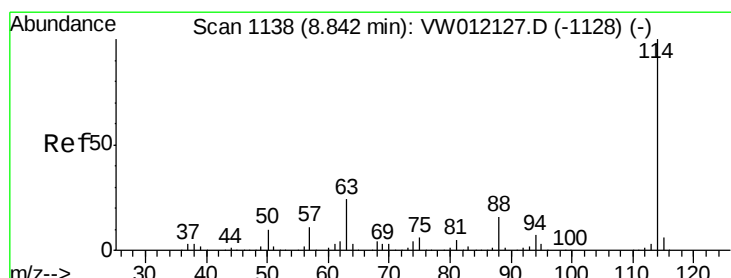
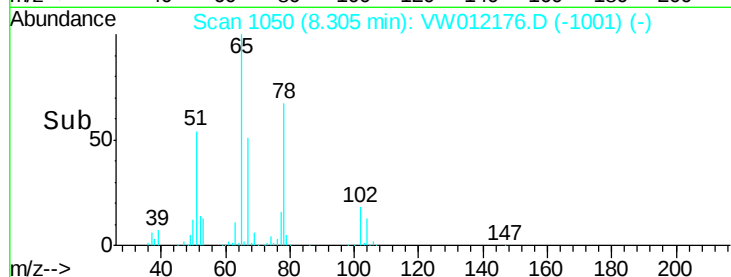
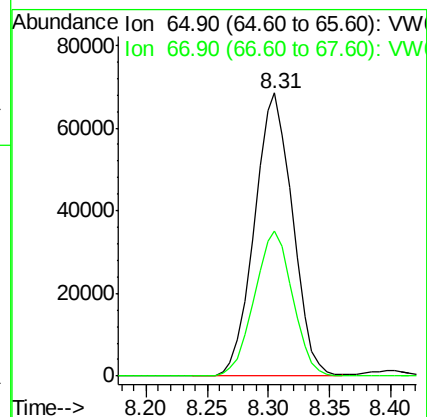
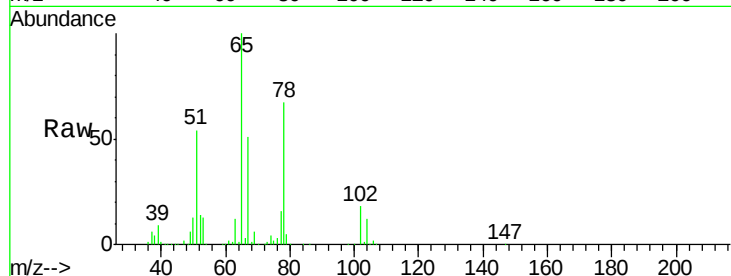
67 51.5 0.0 102.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

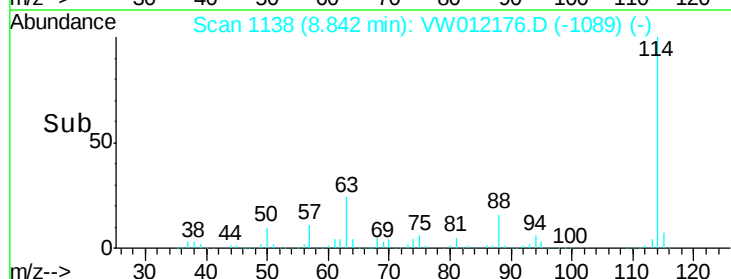
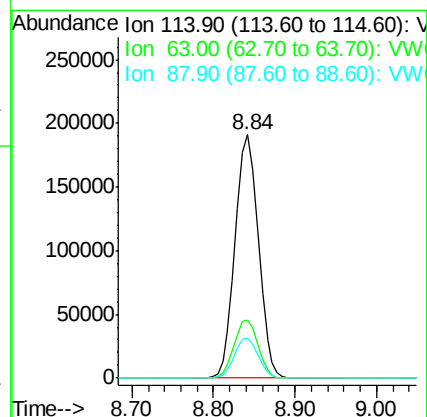
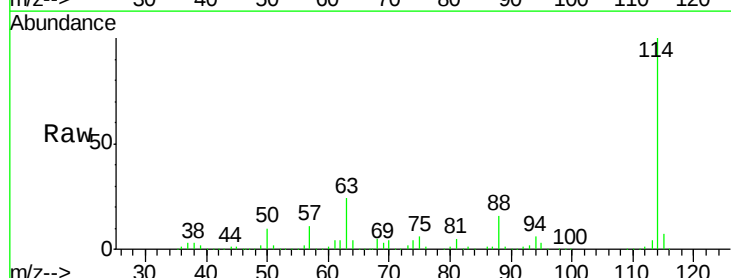
Tgt Ion: 114 Resp: 375851

Ion Ratio Lower Upper

114 100

63 24.1 0.0 48.6

88 16.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.834 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

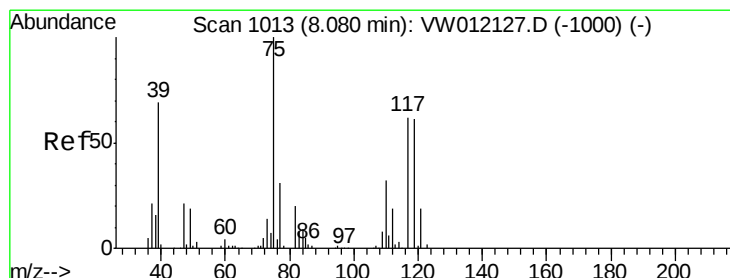
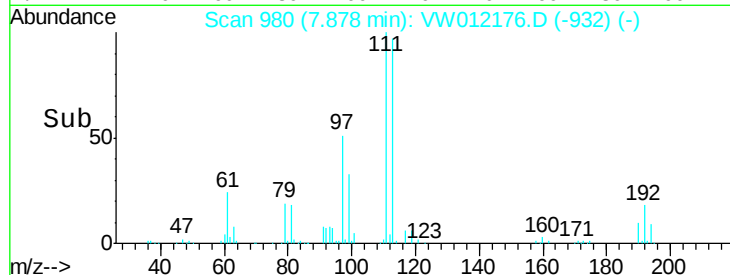
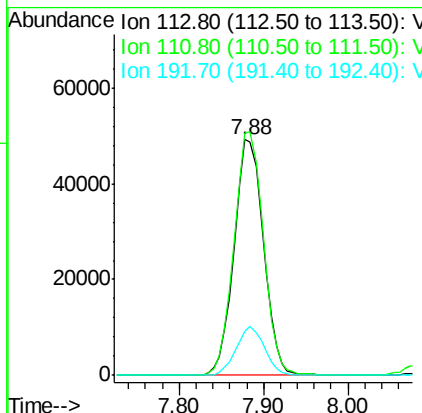
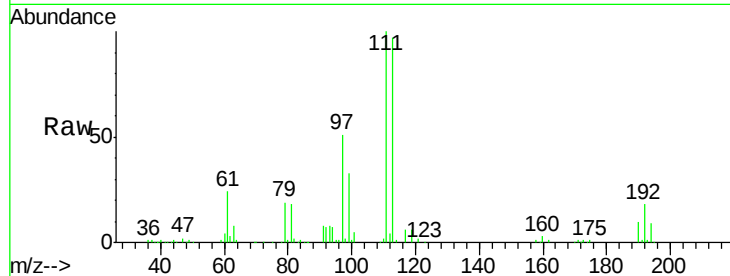
ClientSampleId :

VW0826SBS02

Tot Ion:	113	Resp:	116287
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.7	124.1
192	19.9	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 18.621 ug/l

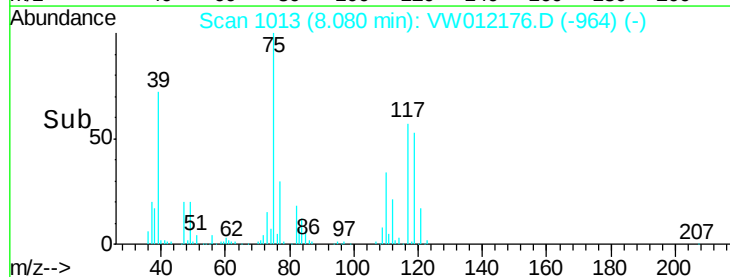
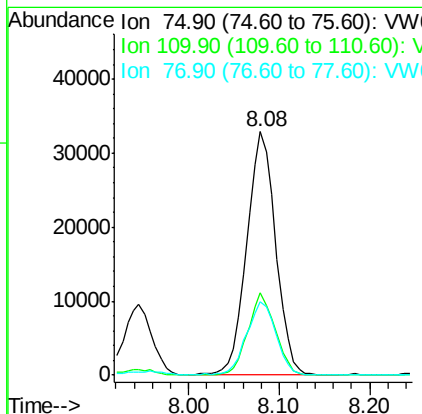
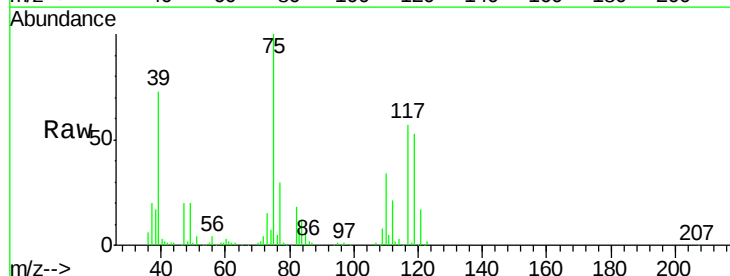
RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Tgt Ion:	75	Resp:	72325
Ion Ratio	Lower	Upper	
75	100		
110	32.1	15.6	46.8
77	31.2	24.6	36.8





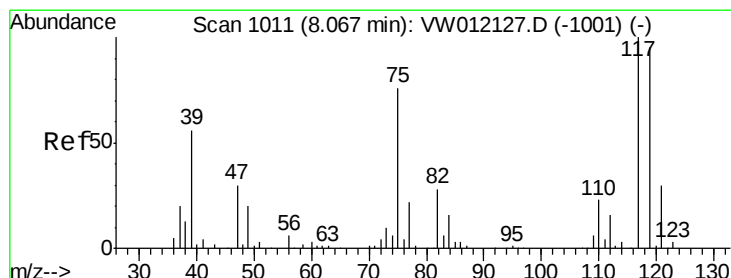
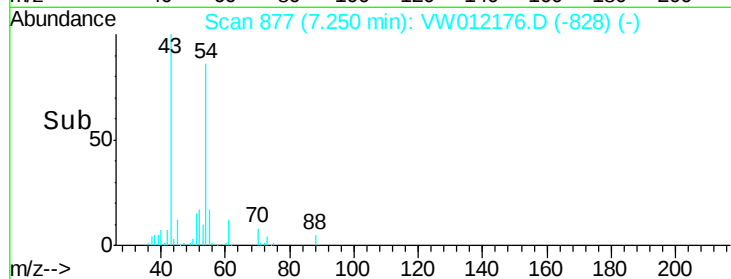
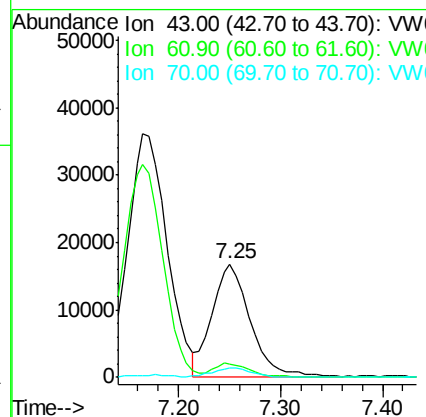
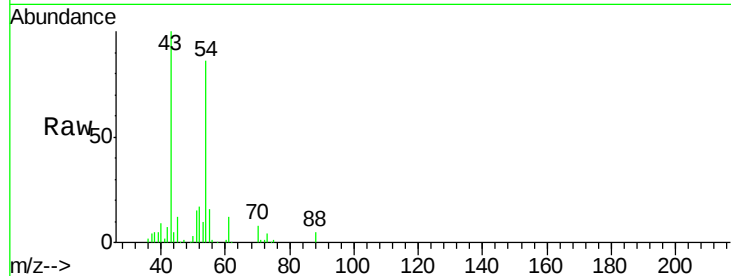
#37
Ethyl Acetate
Concen: 20.331 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.2	13.8
70	8.8	6.9	10.3

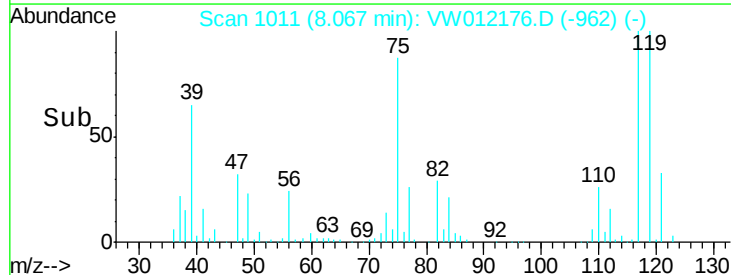
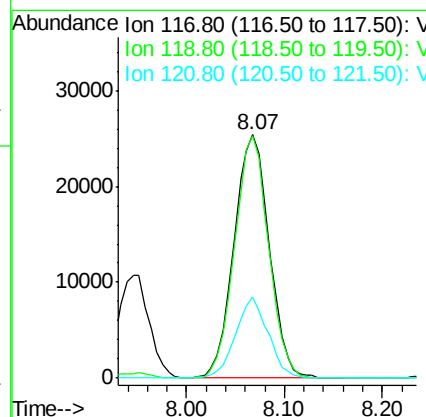
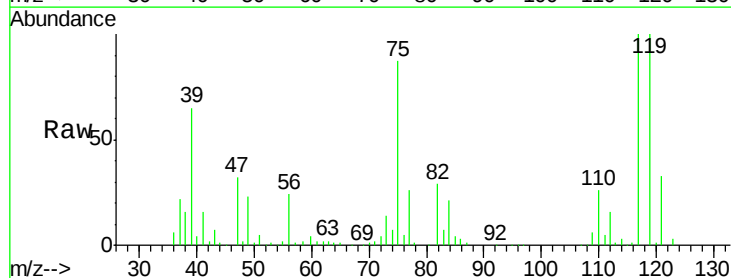
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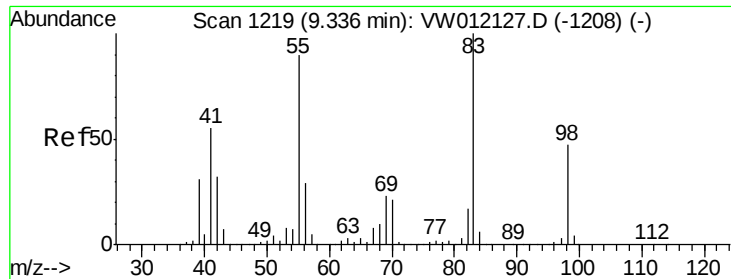
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#38
Carbon Tetrachloride
Concen: 18.870 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	76.2	114.2
121	33.2	23.8	35.8





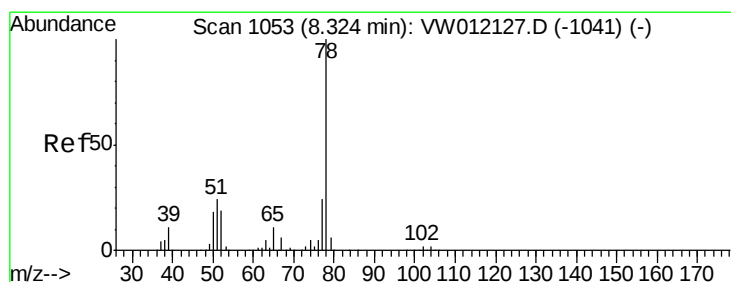
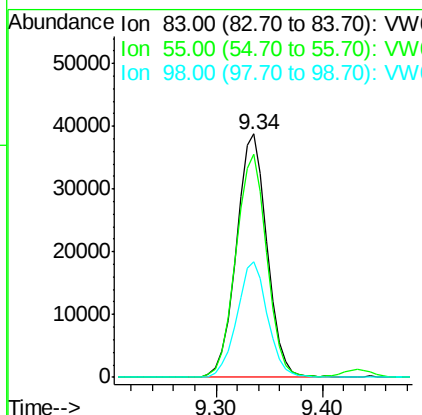
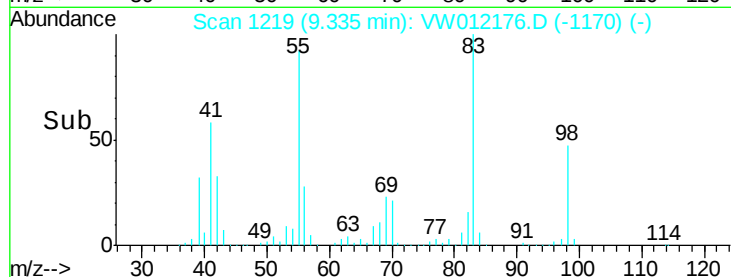
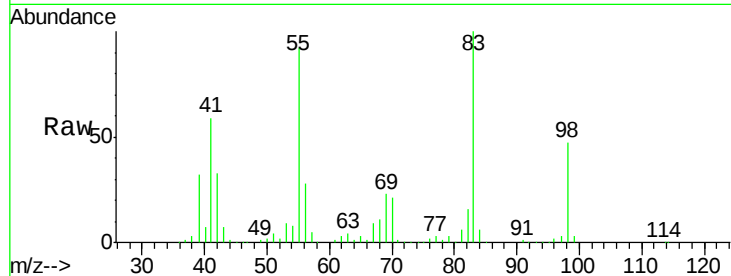
#39
Methvlcvclohexane
Concen: 18.006 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.8	71.8	107.8
98	47.5	37.8	56.8

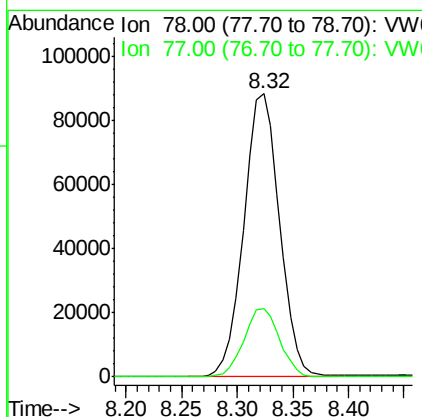
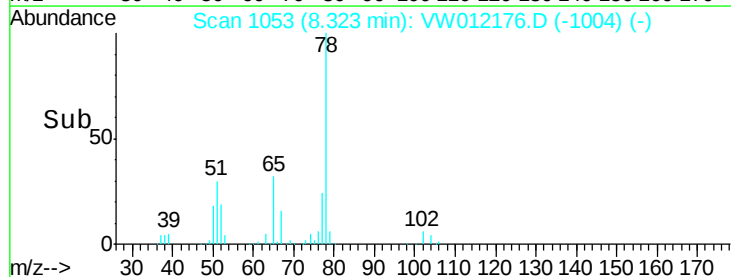
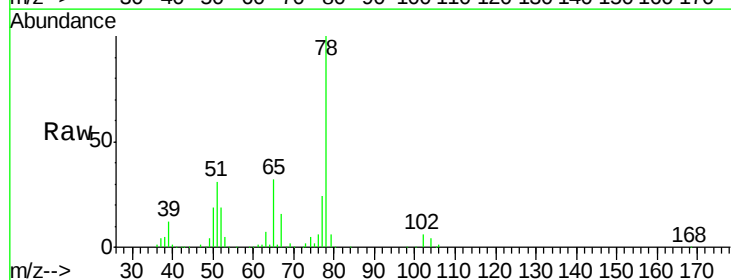
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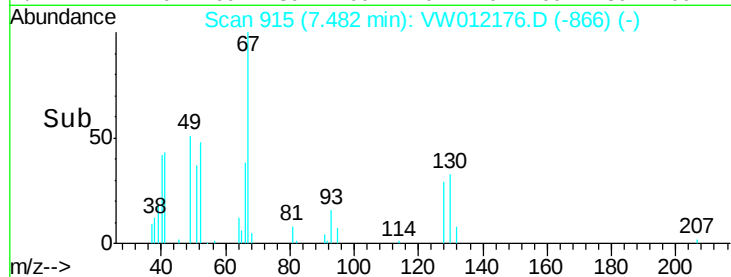
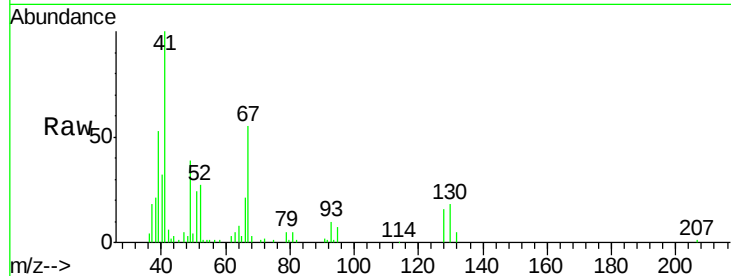
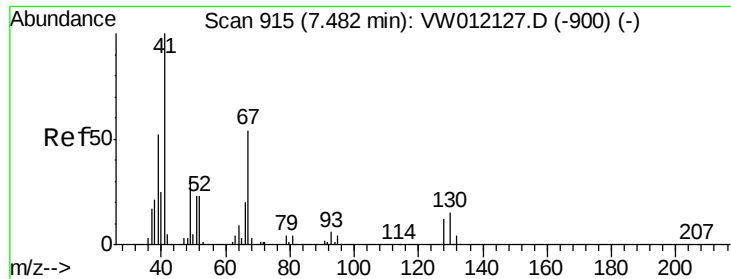
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#40
Benzene
Concen: 18.651 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.5	29.3





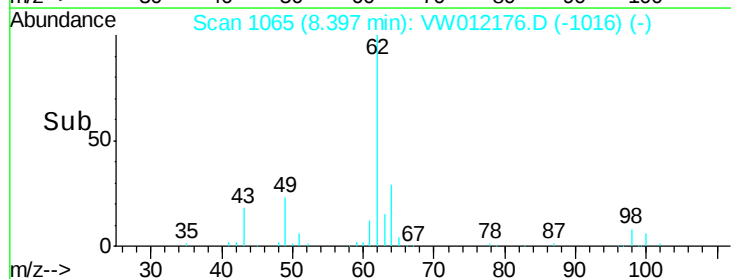
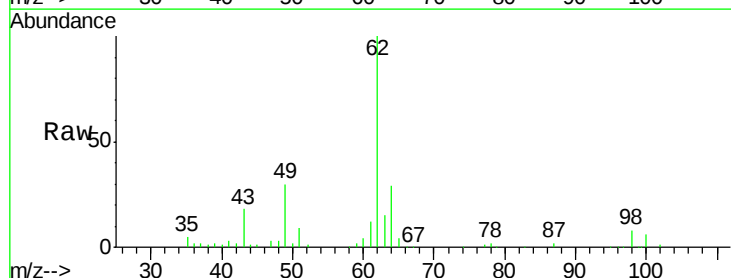
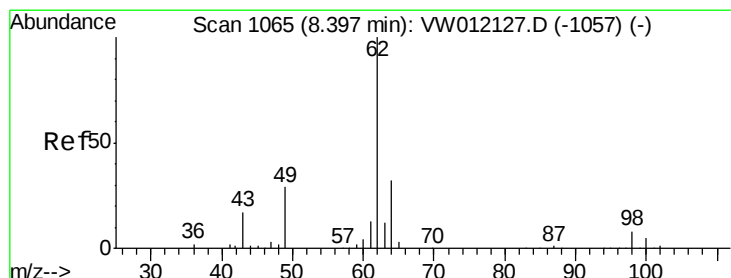
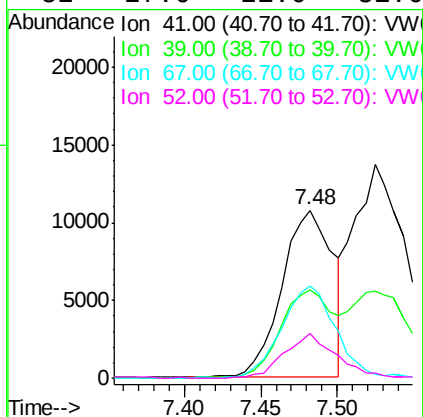
#41
Methacrylonitrile
Concen: 19.866 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tot Ion	41	Resp	24851
Ion	Ratio	Lower	Upper
41	100		
39	55.1	45.8	68.8
67	59.5	46.2	69.4
52	27.6	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

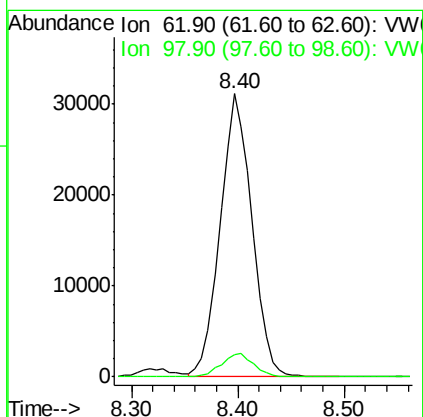
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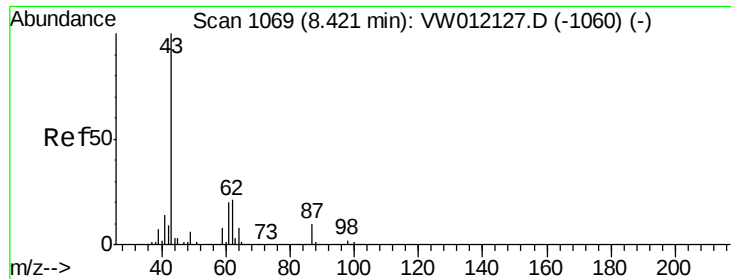
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.455 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tgt Ion	62	Resp	64664
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 20.034 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

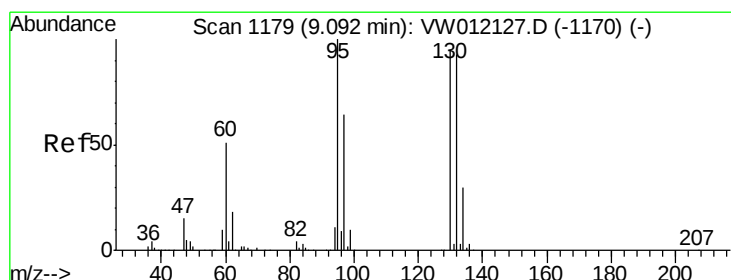
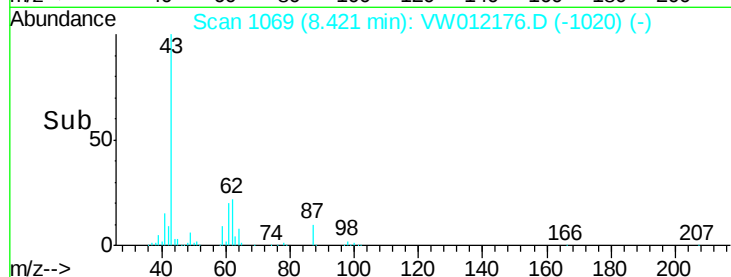
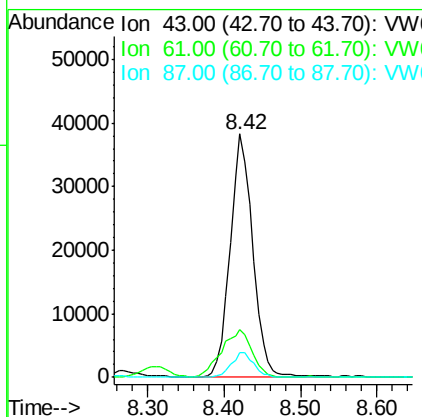
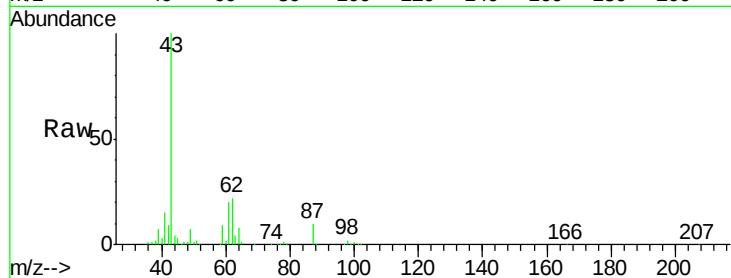
ClientSampleId :

VW0826SBS02

Tot Ion:	43	Resp:	78983
Ion	Ratio	Lower	Upper
43	100		
61	26.0	21.1	31.7
87	10.2	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 18.426 ug/l

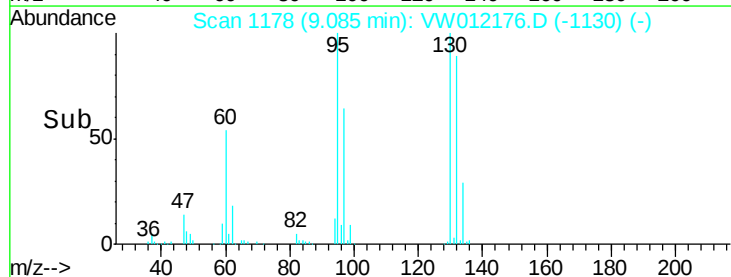
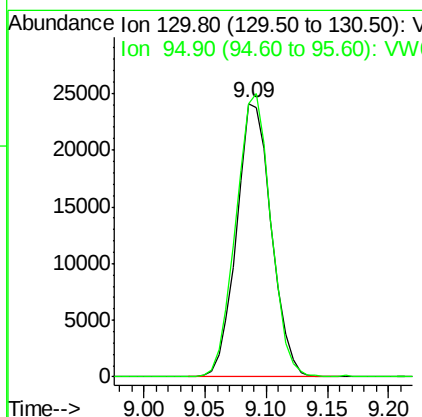
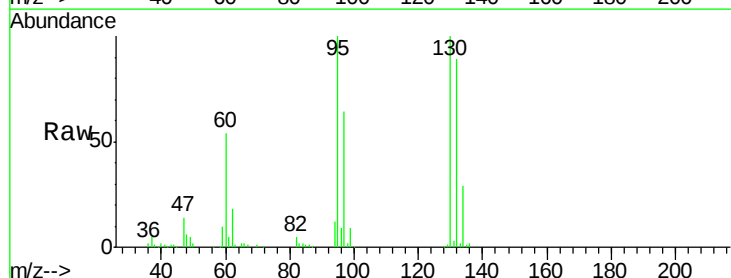
RT: 9.09 min Scan# 1178

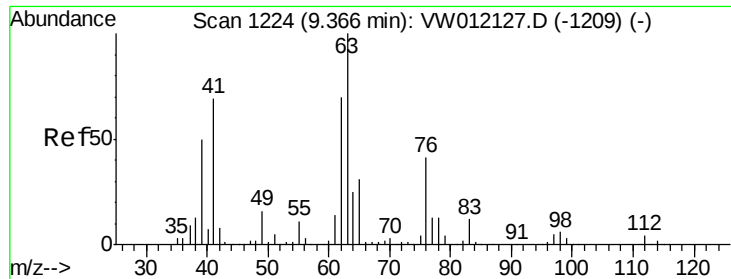
Delta R.T. -0.01 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Tgt Ion:	130	Resp:	47505
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	210.6





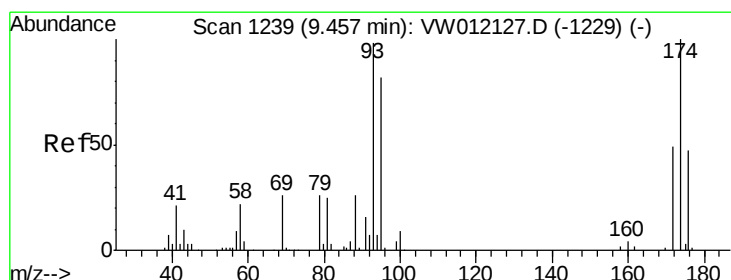
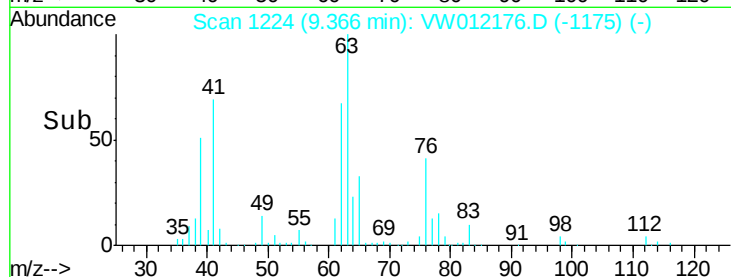
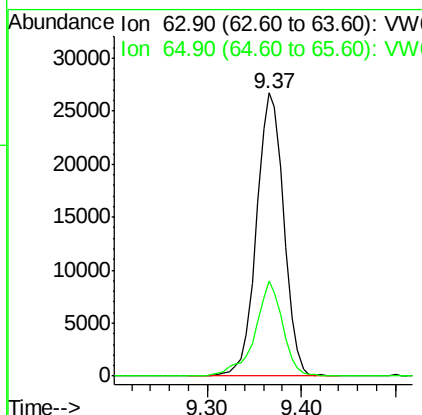
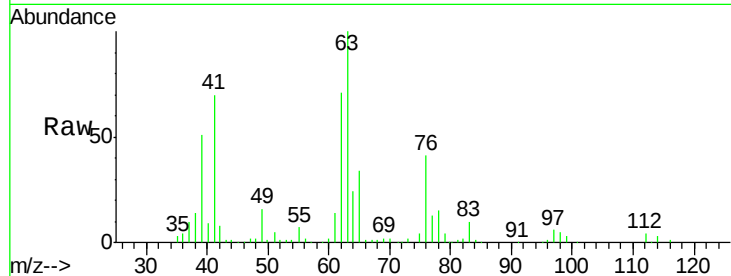
#45
 1,2-Dichloropropane
 Concen: 19.111 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.7	25.0	37.4

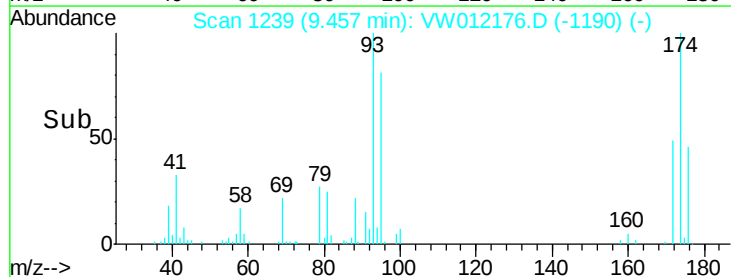
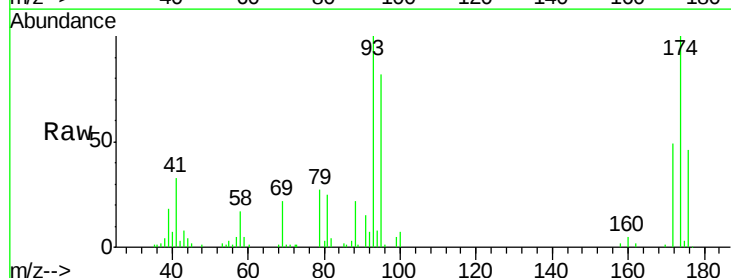
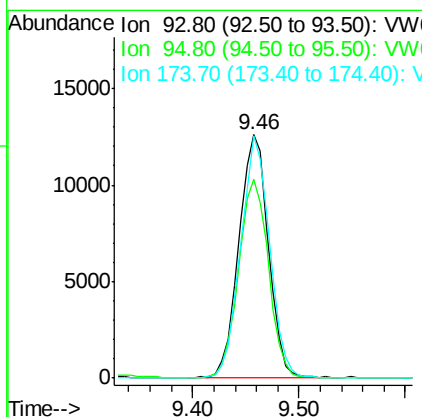
Manual Integrations
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#46
 Dibromomethane
 Concen: 19.375 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.2	100.8
174	97.8	79.0	118.6





#47

Bromodichloromethane

Concen: 19.104 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

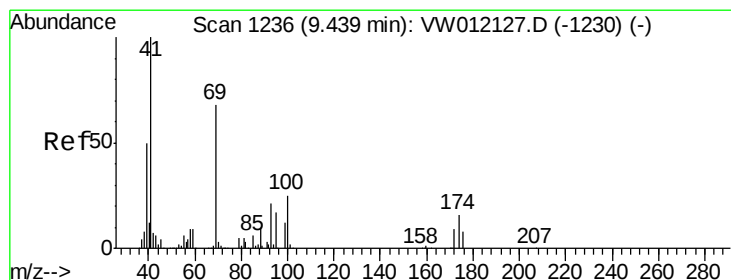
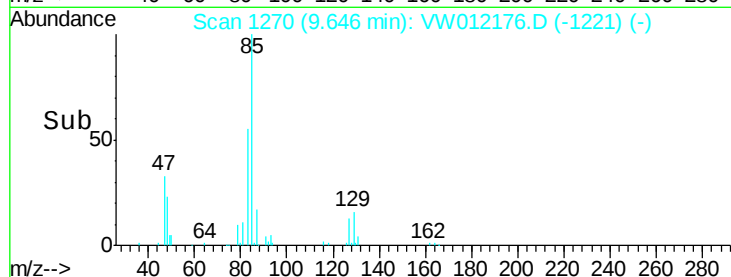
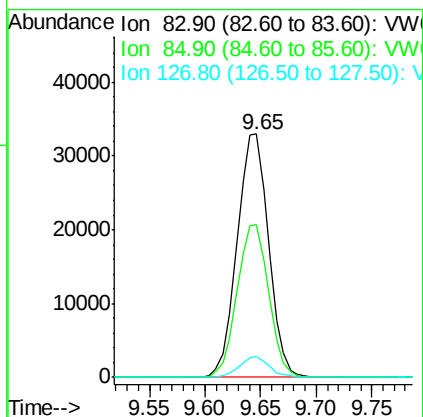
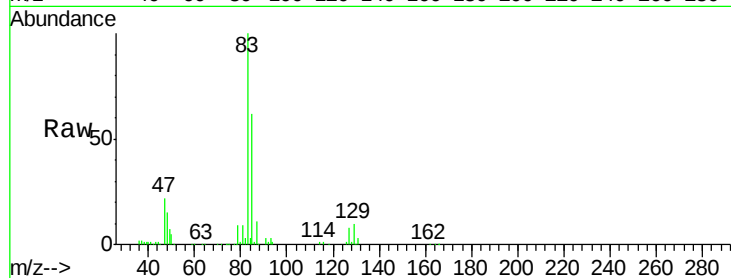
ClientSampleId :

VW0826SBS02

Tot Ion:	83	Resp:	64569
Ion	Ratio	Lower	Upper
83	100		
85	62.5	49.4	74.2
127	8.4	6.1	9.1

Manual Integrations
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MMDadoda
8/27/2019 11:04:26 AM



#48

Methyl methacrylate

Concen: 19.213 ug/l

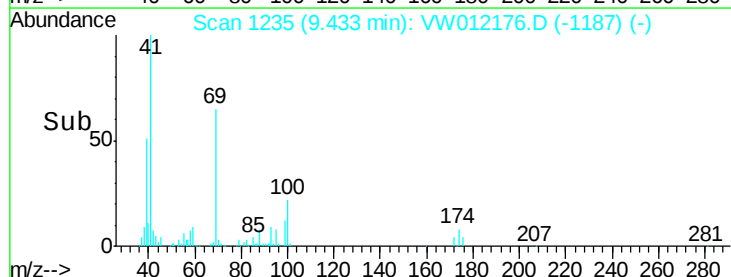
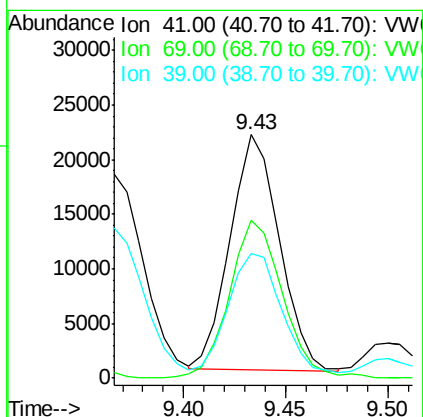
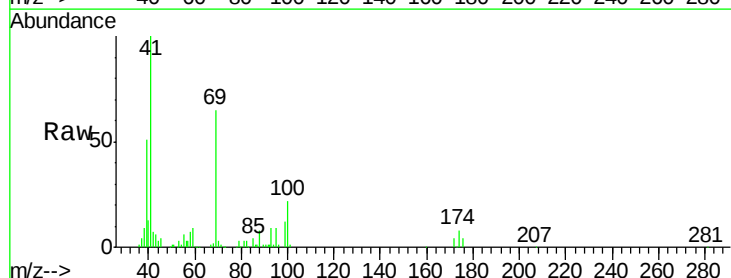
RT: 9.43 min Scan# 1235

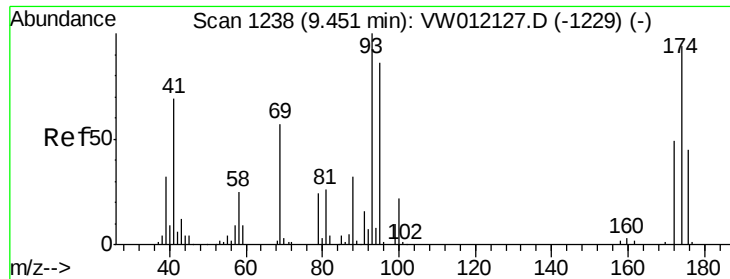
Delta R.T. -0.01 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Tgt Ion:	41	Resp:	36051
Ion	Ratio	Lower	Upper
41	100		
69	71.7	56.7	85.1
39	59.2	42.0	63.0





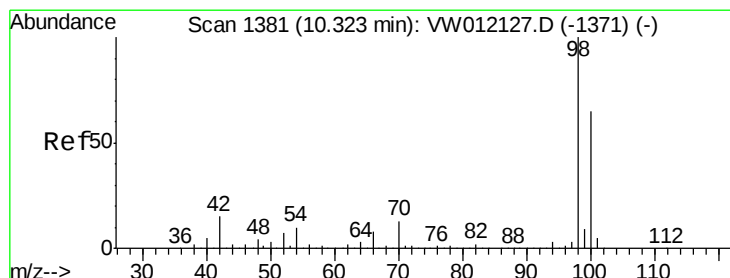
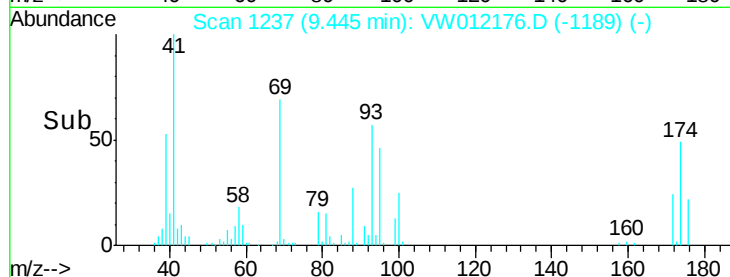
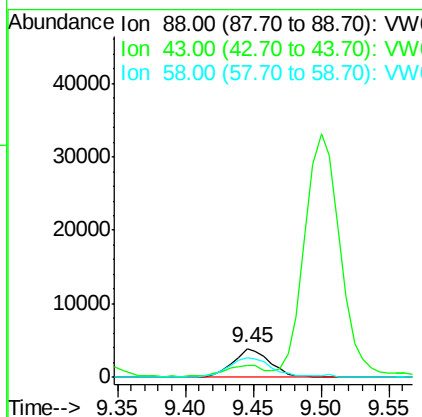
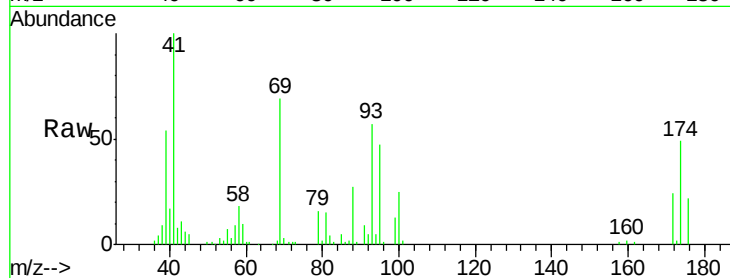
#49
 1,4-Dioxane
 Concen: 386.186 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion	88	Resp	7508
Ion	Ratio	Lower	Upper
88	100		
43	37.3	32.9	49.3
58	80.2	71.0	106.4

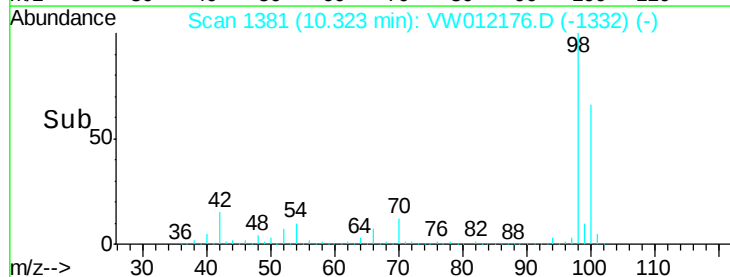
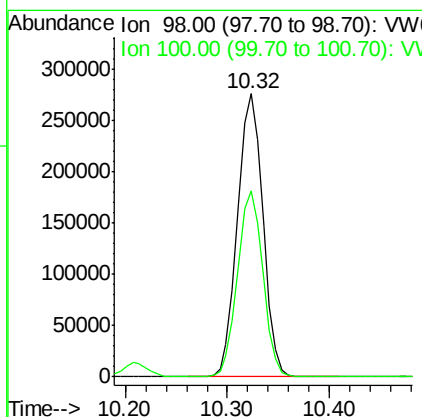
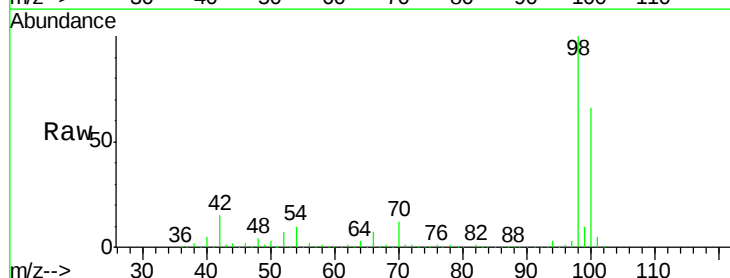
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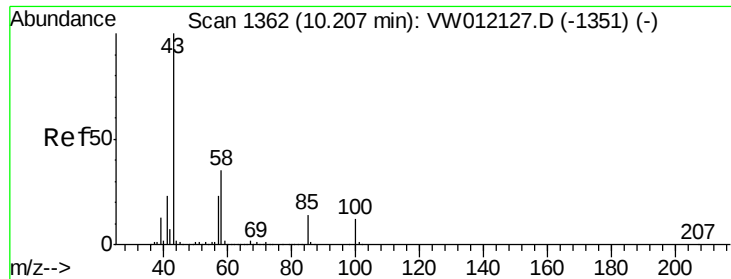
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#50
 Toluene-d8
 Concen: 52.466 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Tgt Ion	98	Resp	477258
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6





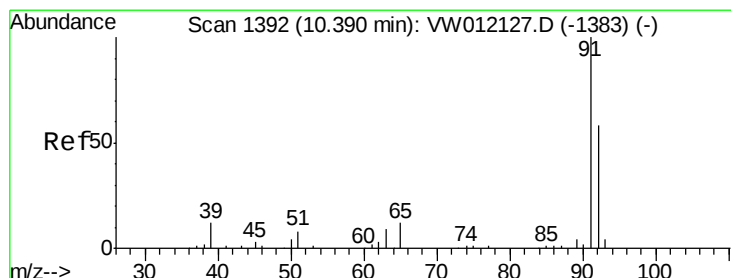
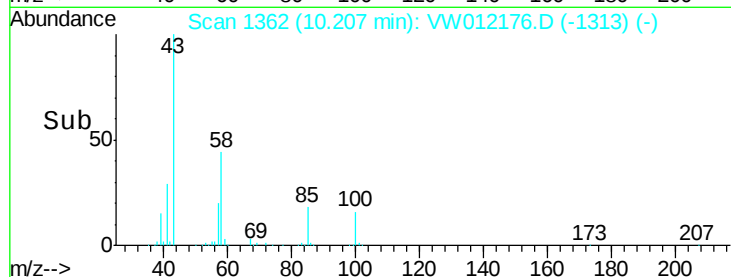
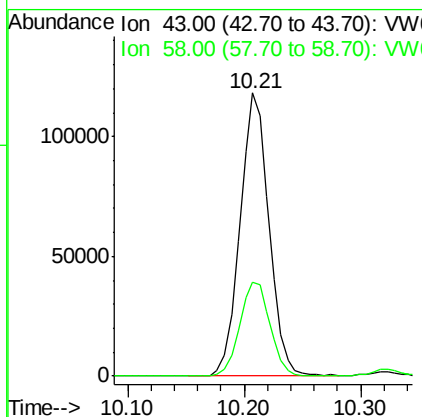
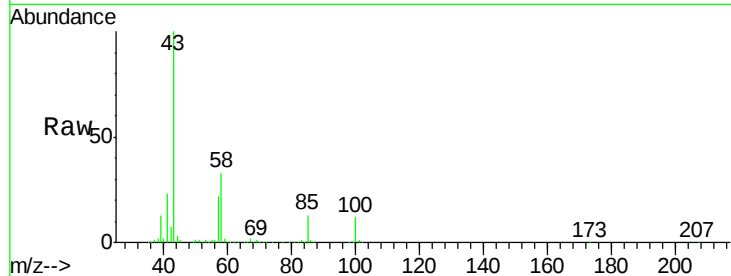
#51
4-Methyl-2-Pentanone
Concen: 101.717 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.2	42.2

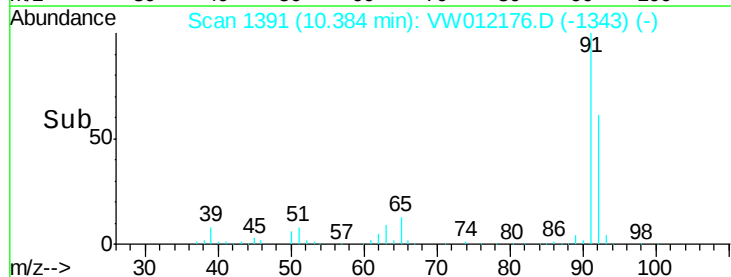
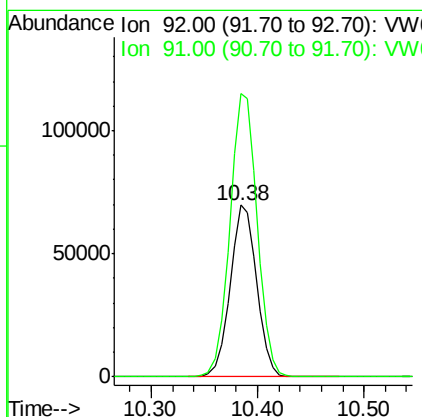
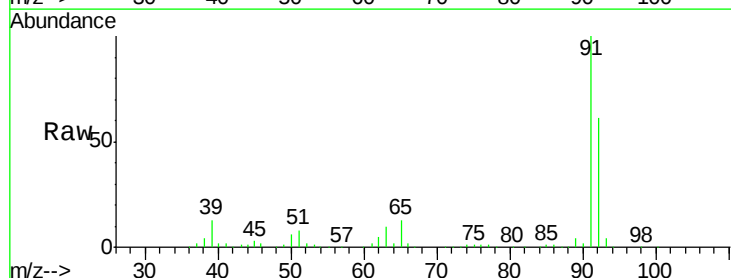
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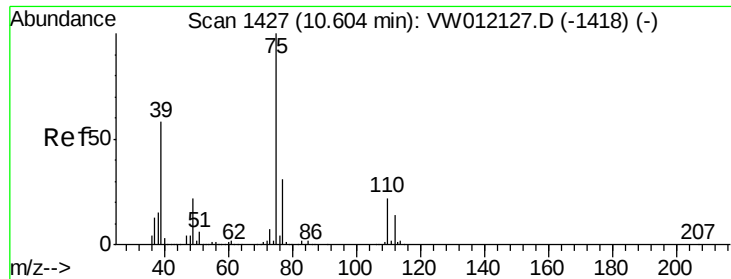
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#52
Toluene
Concen: 19.018 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.4	136.6	204.8





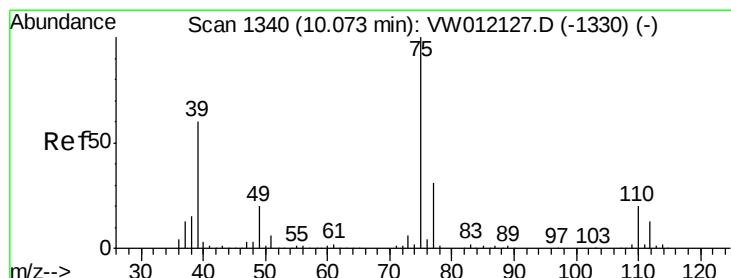
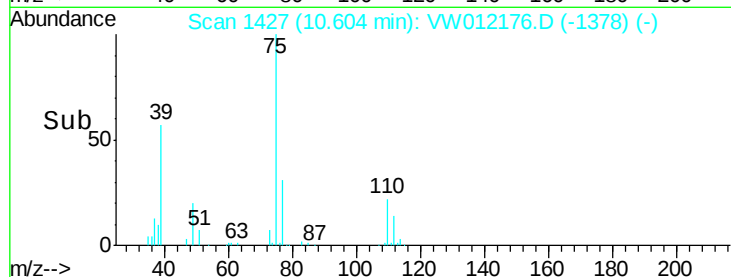
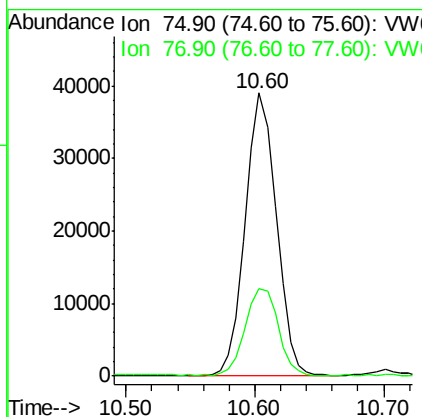
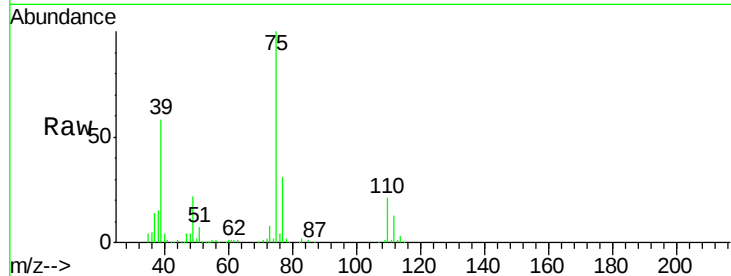
#53
 t-1,3-Dichloropropene
 Concen: 18.998 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Instrument :
 MSVOA_W
 ClientSampled :
 VW0826SBS02

Tot Ion: 75 Resp: 65406
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.0 37.4

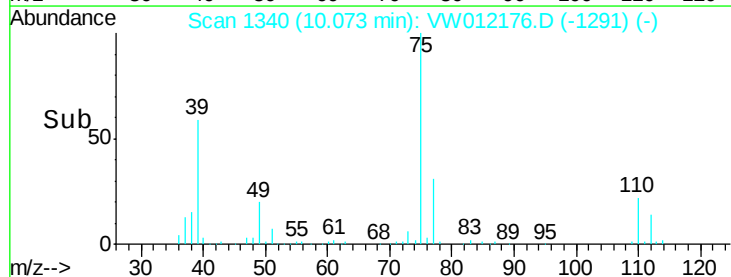
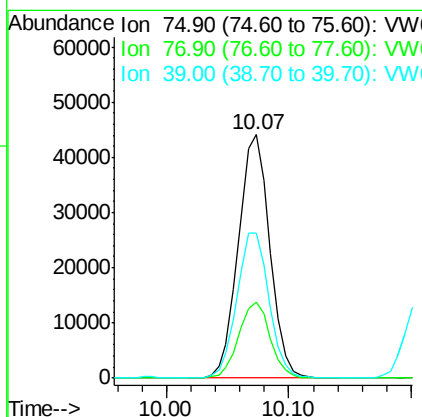
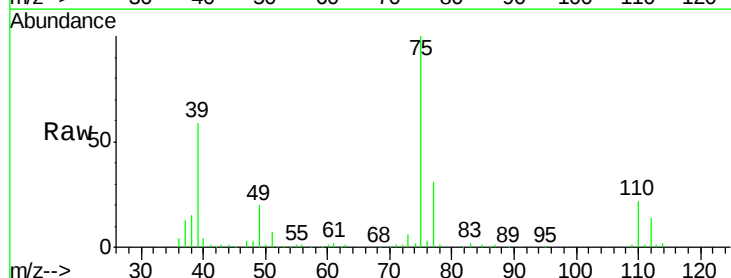
Manual Integrations
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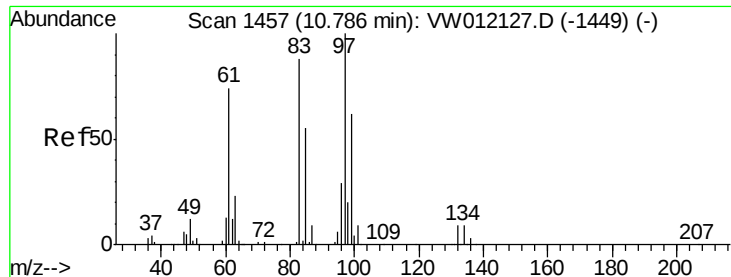
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 18.919 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Tgt Ion: 75 Resp: 78645
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.1 37.7
 39 59.3 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 19.681 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

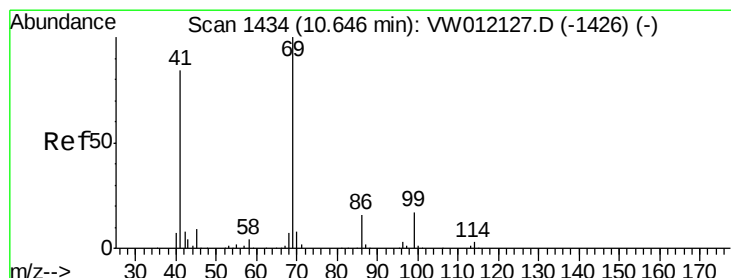
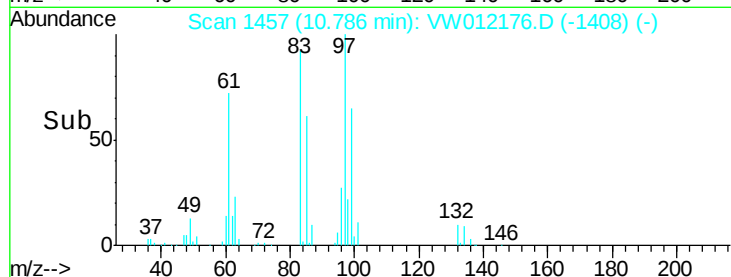
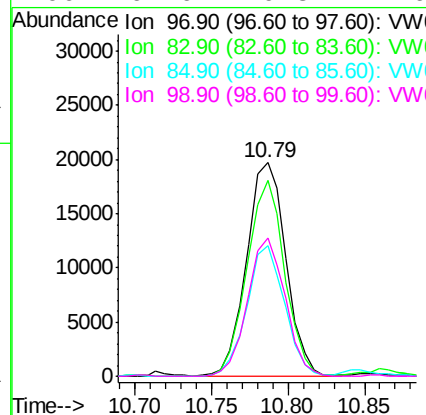
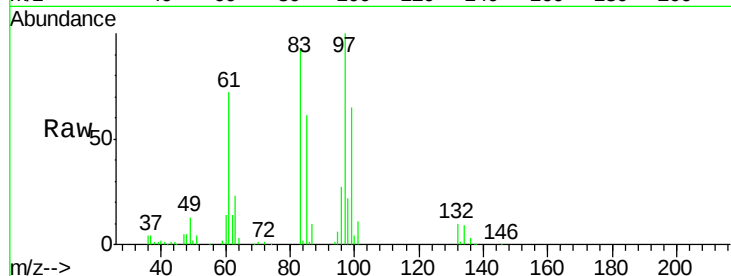
ClientSampleId :

VW0826SBS02

Tot Ion:	97	Resp:	35363
Ion	Ratio	Lower	Upper
97	100		
83	91.9	70.8	106.2
85	60.9	43.8	65.8
99	64.6	49.8	74.6

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#56

Ethyl methacrylate

Concen: 19.366 ug/l

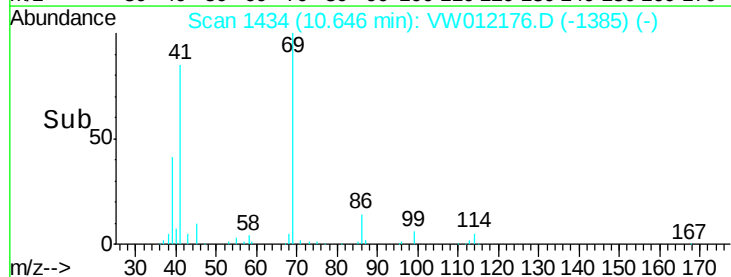
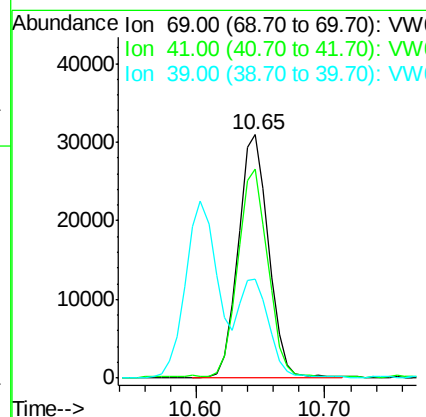
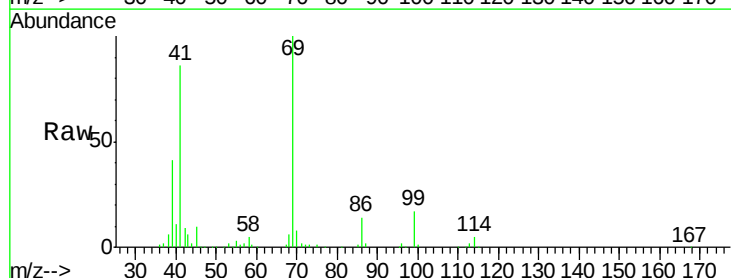
RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Tgt Ion:	69	Resp:	50644
Ion	Ratio	Lower	Upper
69	100		
41	86.1	66.5	99.7
39	38.7	31.0	46.4





#57

1,3-Dichloropropane

Concen: 19.691 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion: 76 Resp: 66859

Ion Ratio Lower Upper

76 100

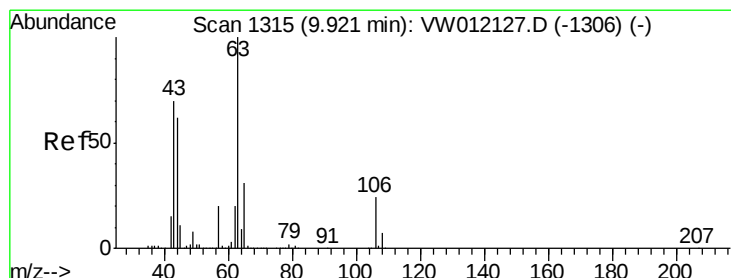
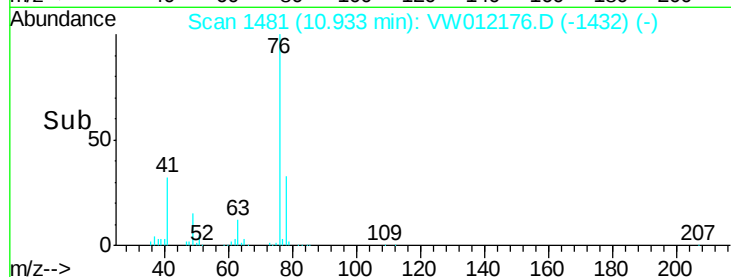
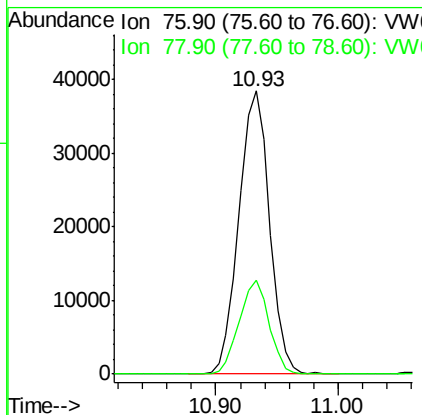
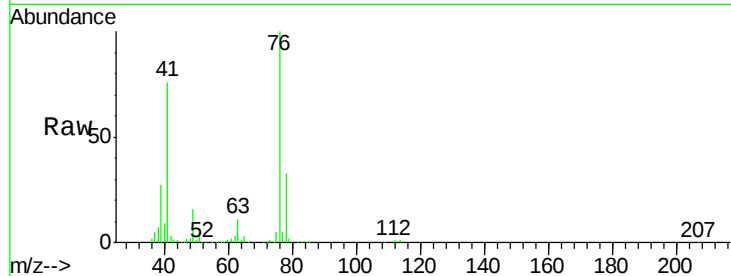
78 32.5 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 108.488 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012176.D

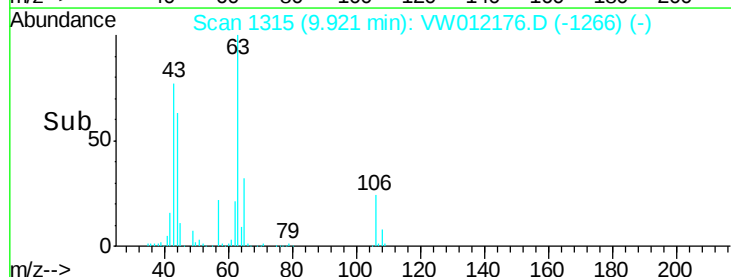
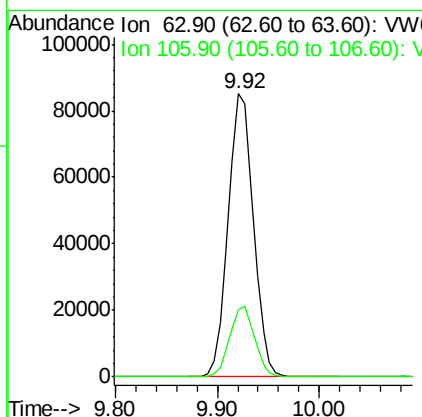
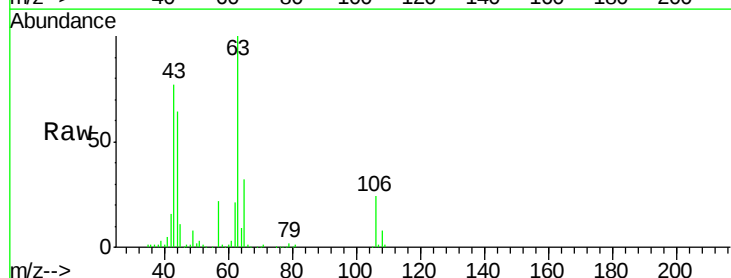
Acq: 26 Aug 2019 17:48

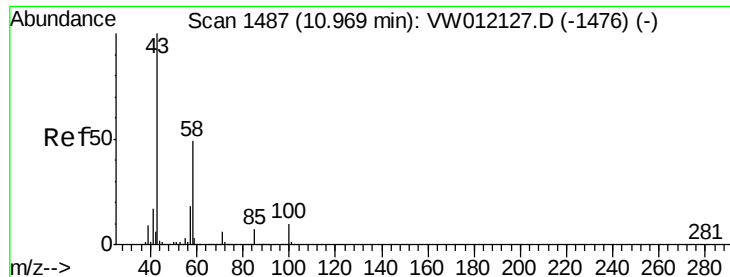
Tgt Ion: 63 Resp: 145604

Ion Ratio Lower Upper

63 100

106 24.5 19.8 29.8





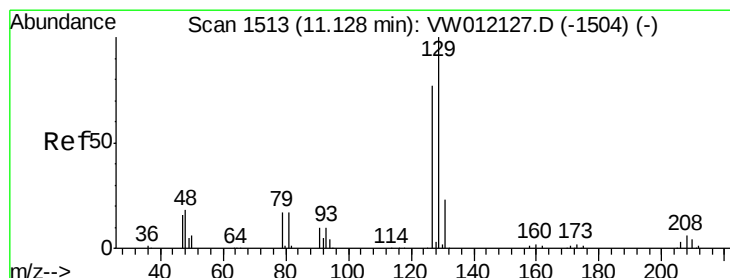
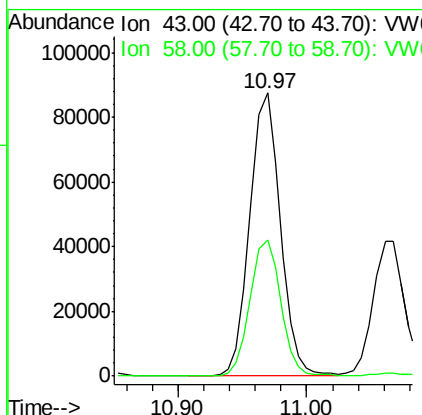
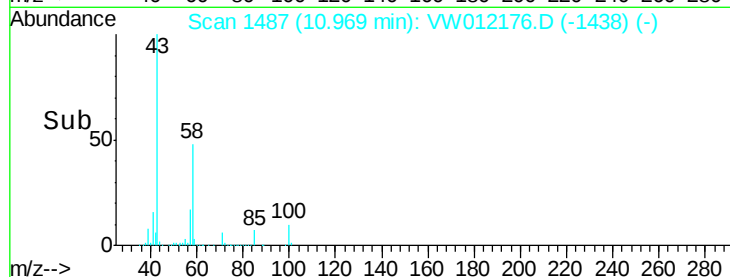
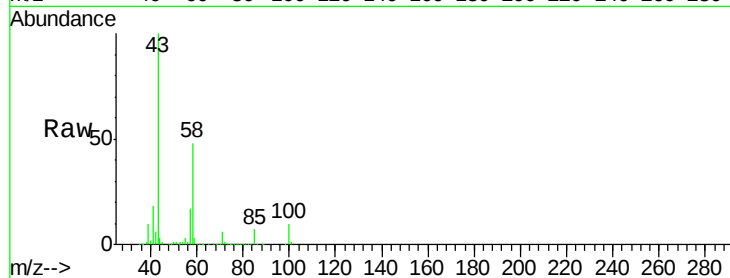
#59
2-Hexanone
Concen: 100.732 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion: 43 Resp: 142922
Ion Ratio Lower Upper
43 100
58 48.8 24.3 72.9

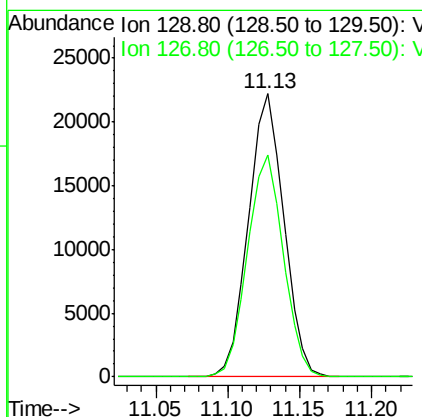
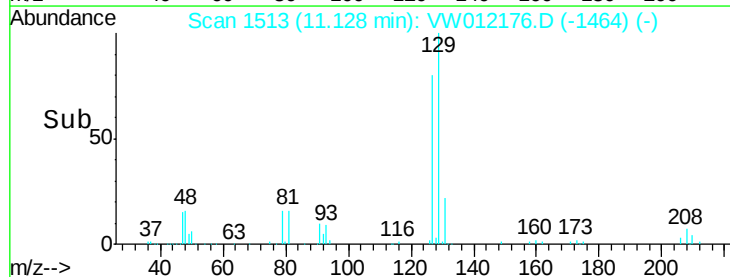
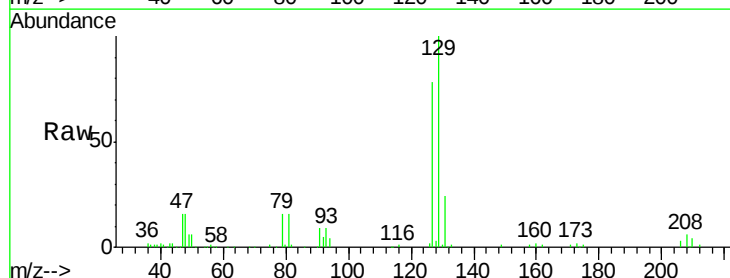
Manual Integrations
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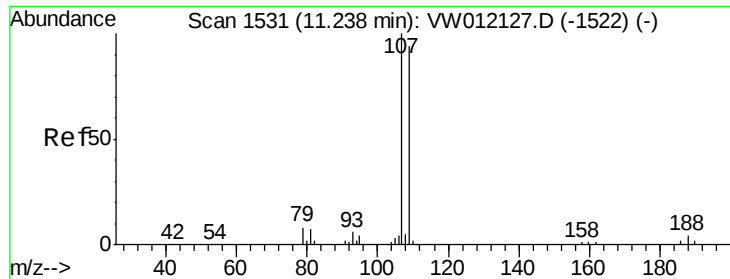
MMDadoda
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#60
Dibromochloromethane
Concen: 18.894 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tgt Ion: 129 Resp: 37813
Ion Ratio Lower Upper
129 100
127 79.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.775 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion: 107 Resp: 33102

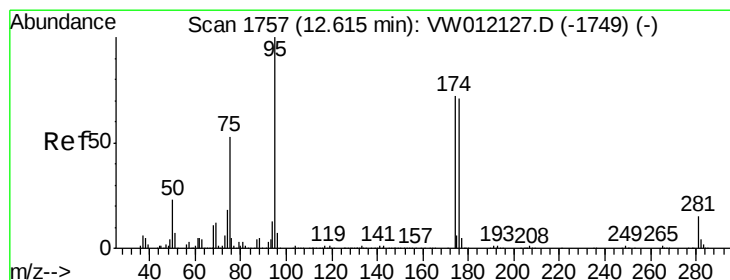
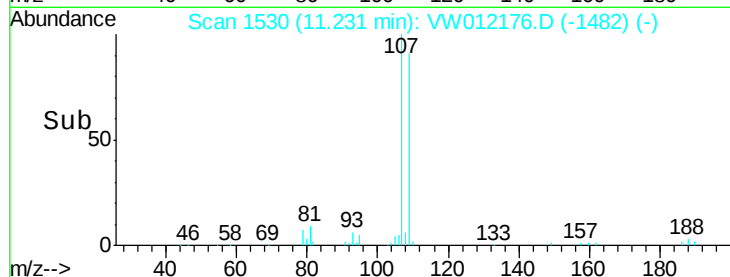
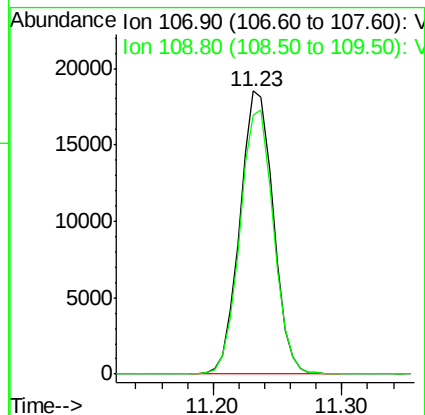
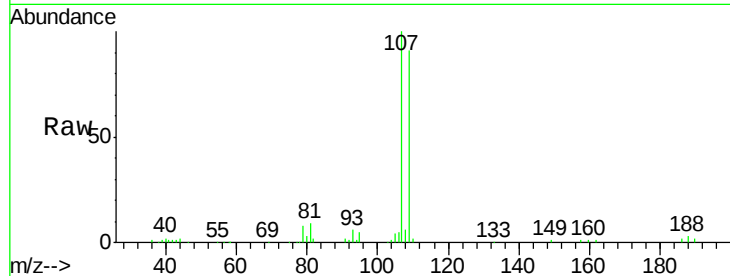
Ion Ratio Lower Upper

107 100

109 93.9 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 52.243 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

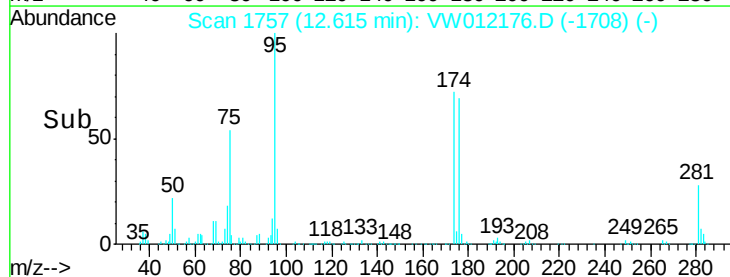
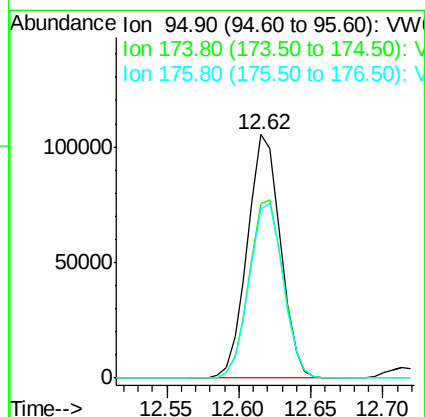
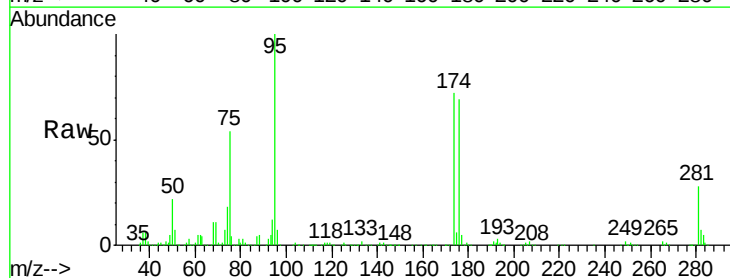
Tgt Ion: 95 Resp: 167518

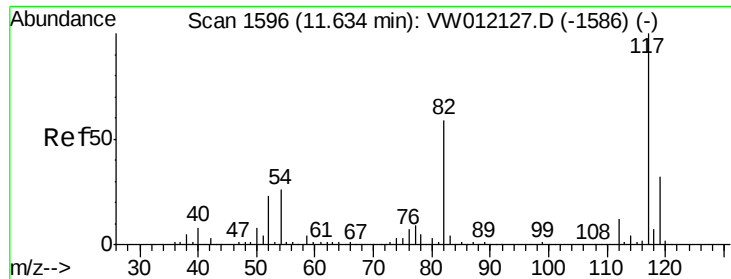
Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.8

176 73.3 0.0 148.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

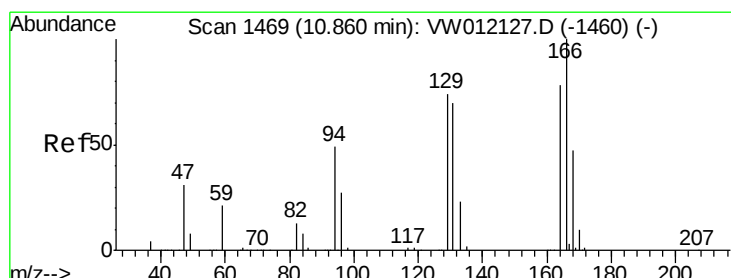
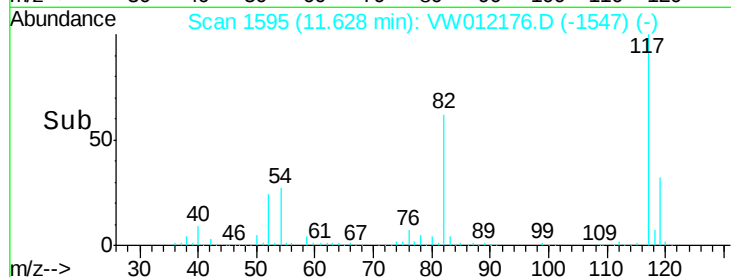
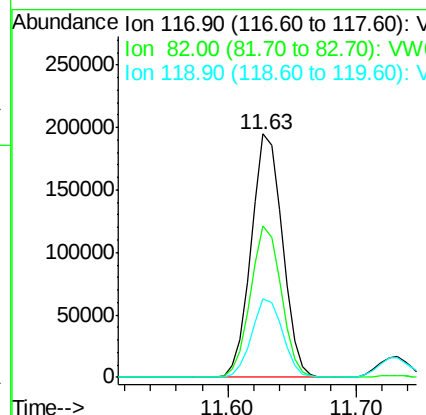
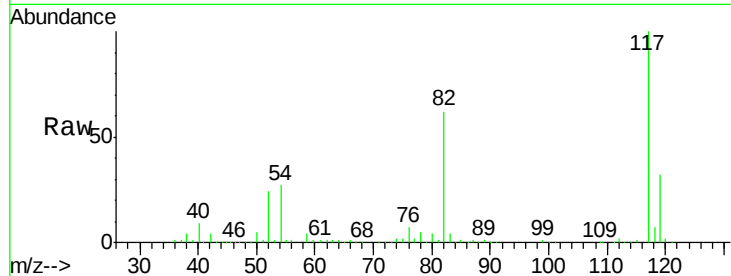
ClientSampleId :

VW0826SBS02

Tot Ion:	117	Resp:	325427
Ion Ratio	Lower	Upper	
117	100		
82	62.0	47.4	71.2
119	32.2	25.4	38.2

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#64

Tetrachloroethene

Concen: 18.837 ug/l

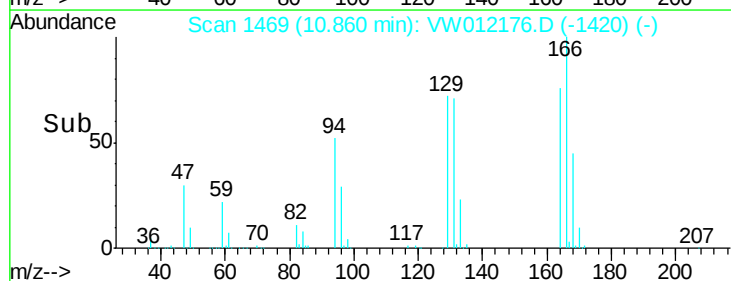
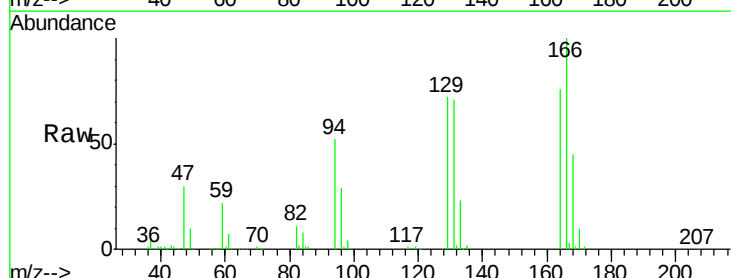
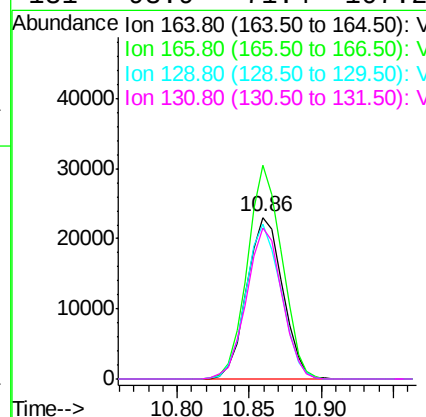
RT: 10.86 min Scan# 1469

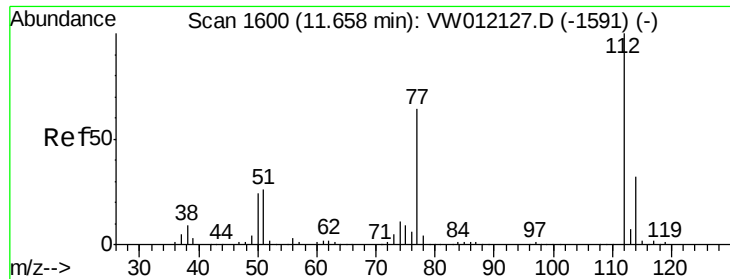
Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Tgt Ion:	164	Resp:	39743
Ion Ratio	Lower	Upper	
164	100		
166	132.3	102.4	153.6
129	95.7	75.8	113.6
131	93.9	71.4	107.2





#65

Chlorobenzene

Concen: 18.879 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion:112 Resp: 120973

Ion Ratio Lower Upper

112 100

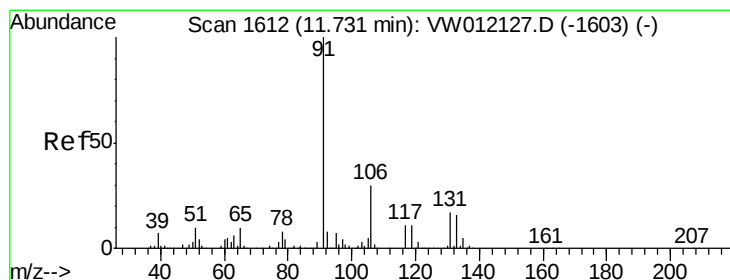
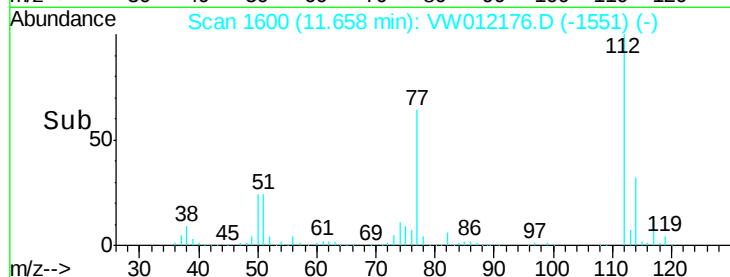
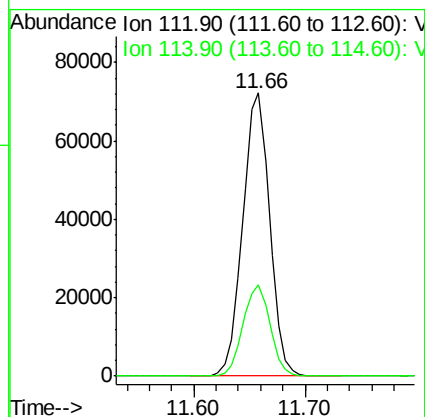
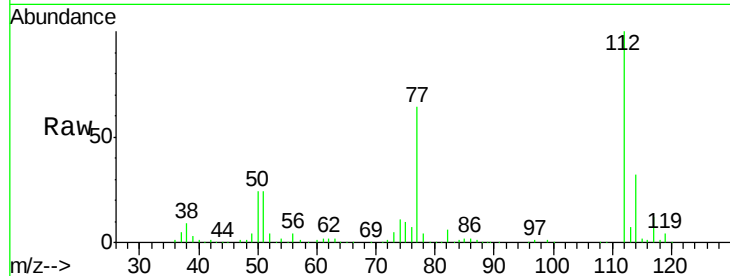
114 32.5 25.8 38.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 18.994 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

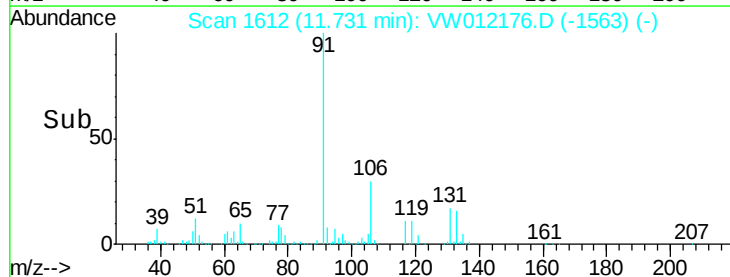
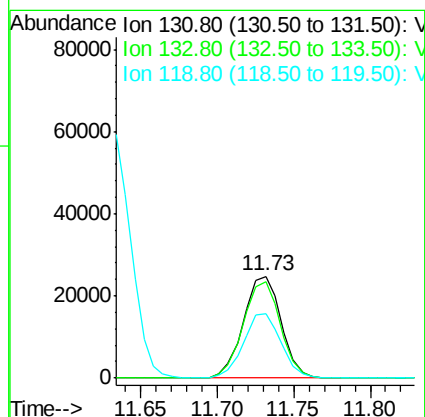
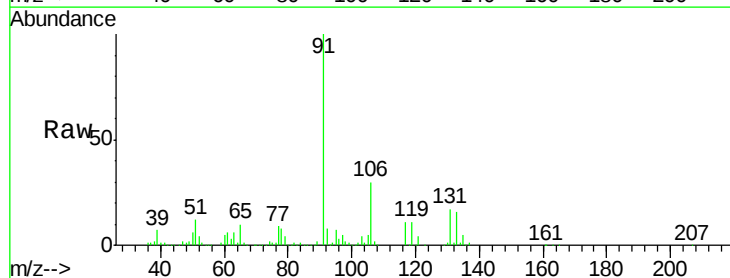
Tgt Ion:131 Resp: 42460

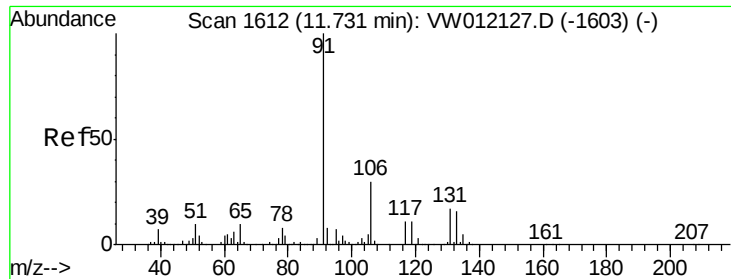
Ion Ratio Lower Upper

131 100

133 94.1 47.1 141.3

119 63.9 31.8 95.3





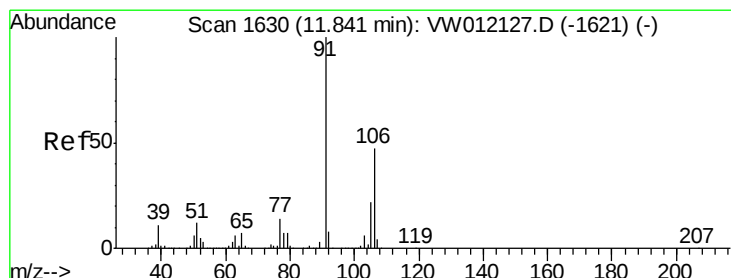
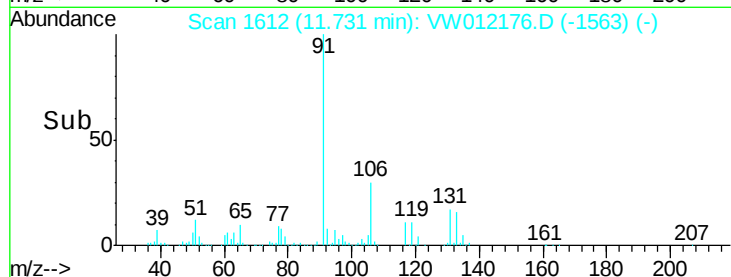
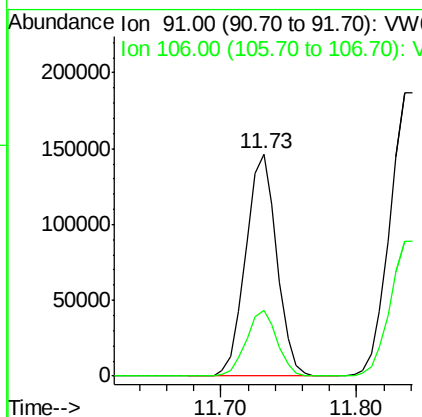
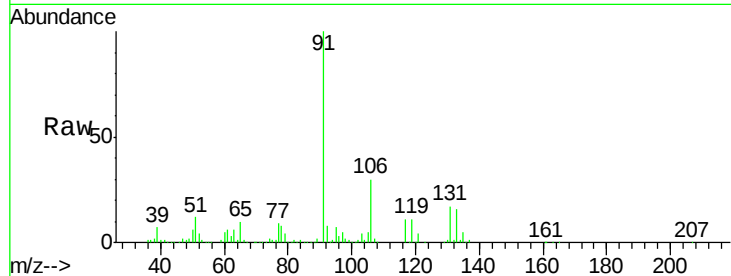
#67
Ethyl Benzene
Concen: 18.941 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion: 91 Resp: 233804
Ion Ratio Lower Upper
91 100
106 29.7 24.3 36.5

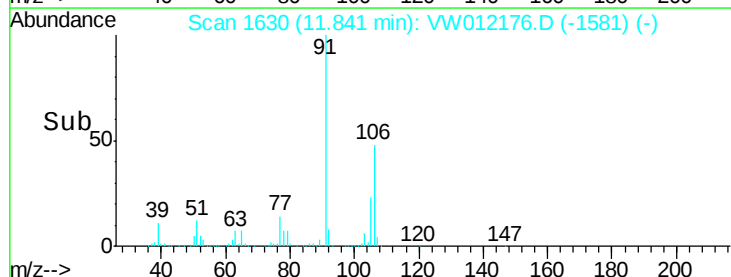
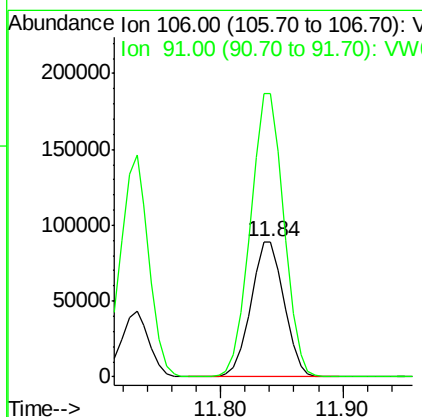
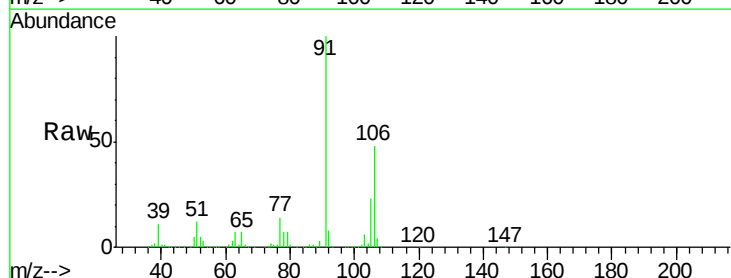
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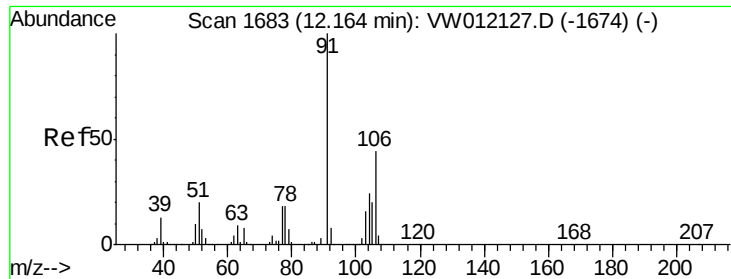
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#68
m/p-Xylenes
Concen: 37.871 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tgt Ion: 106 Resp: 168391
Ion Ratio Lower Upper
106 100
91 210.5 169.5 254.3





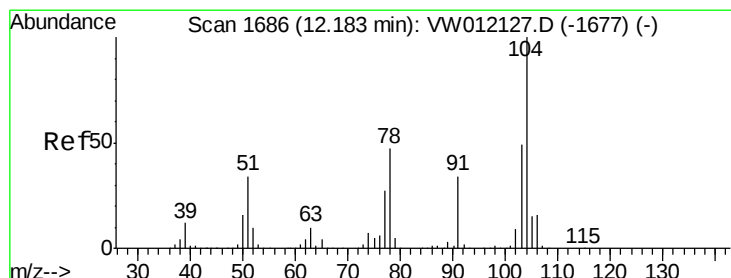
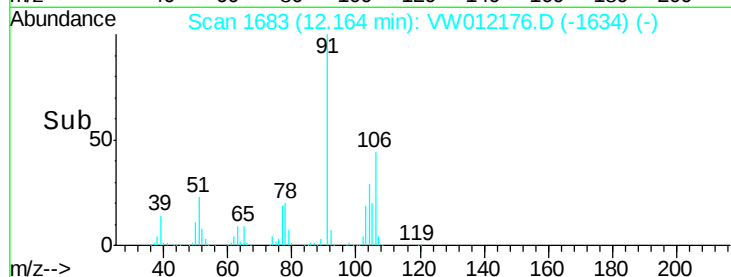
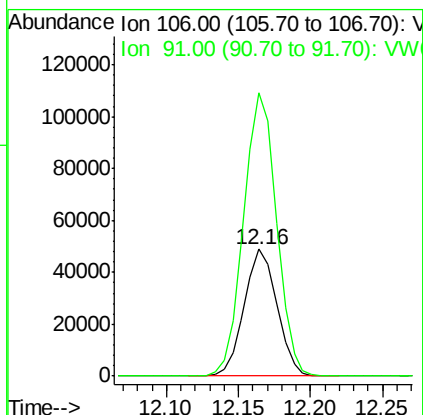
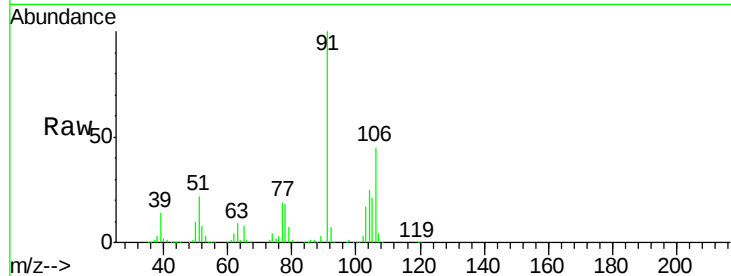
#69
o-Xylene
Concen: 18.772 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion:106 Resp: 77251
Ion Ratio Lower Upper
106 100
91 223.7 111.6 334.6

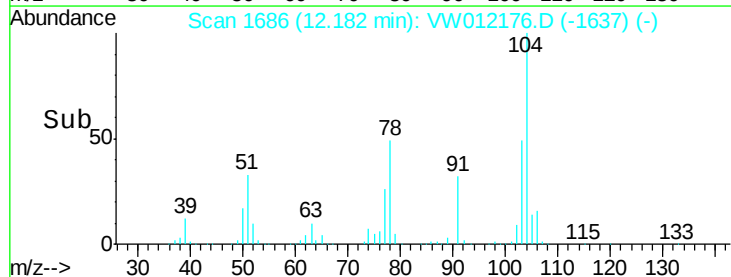
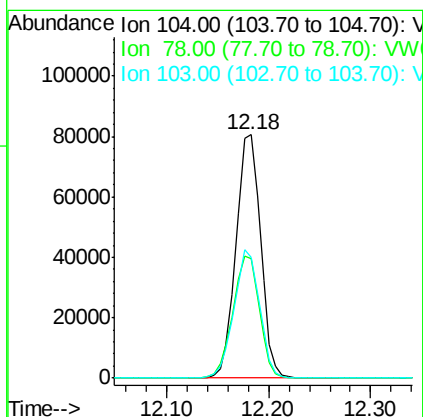
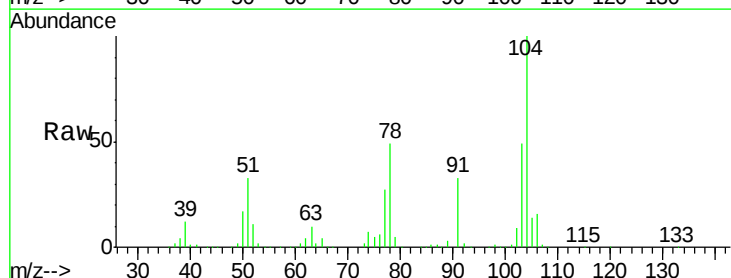
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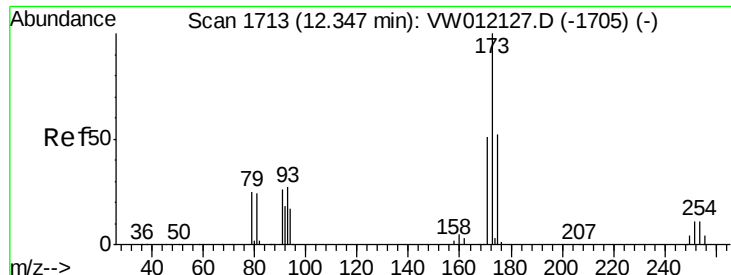
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#70
Styrene
Concen: 18.893 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tgt Ion:104 Resp: 134580
Ion Ratio Lower Upper
104 100
78 54.2 43.1 64.7
103 54.6 43.5 65.3





#71

Bromoform

Concen: 19.571 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion:173 Resp: 21798

Ion Ratio Lower Upper

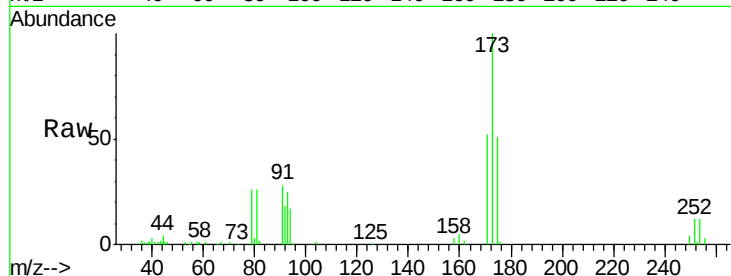
173 100

175 46.9 24.6 74.0

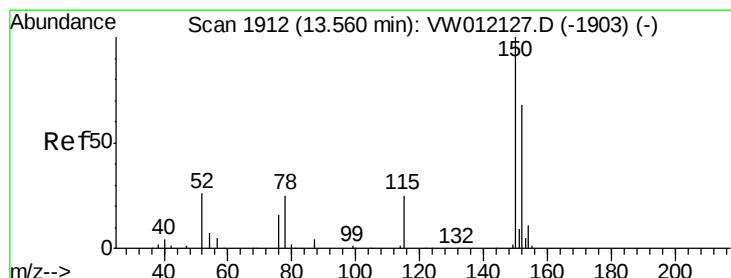
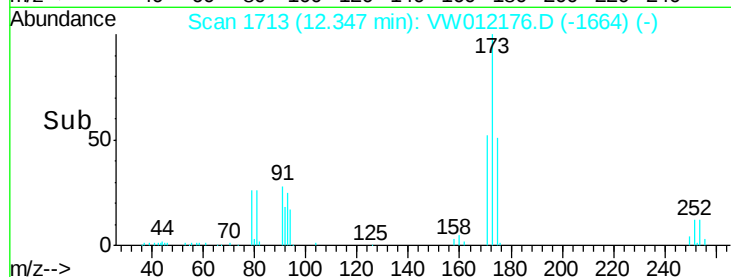
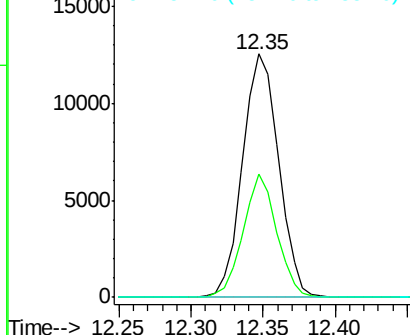
254 0.0 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

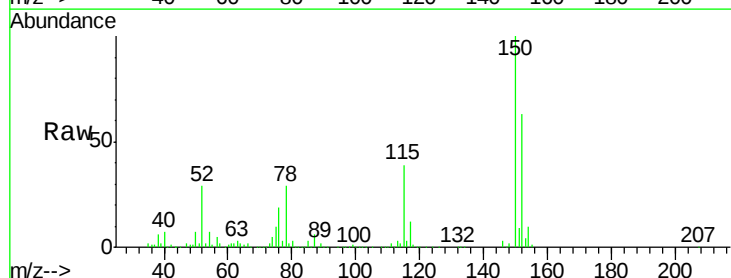
Tgt Ion:152 Resp: 157240

Ion Ratio Lower Upper

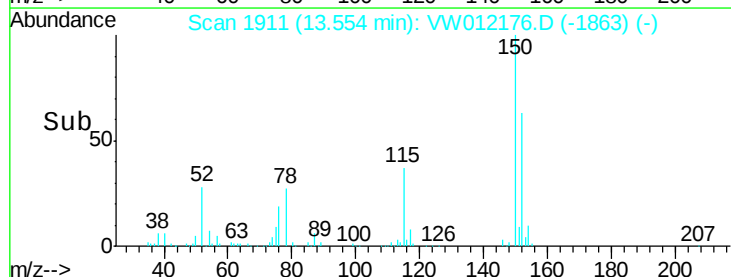
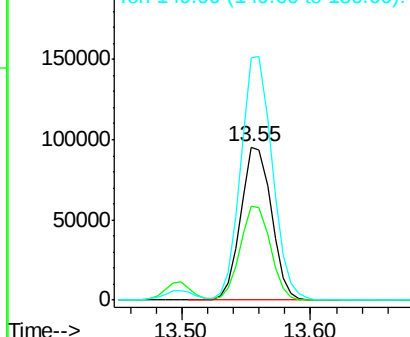
152 100

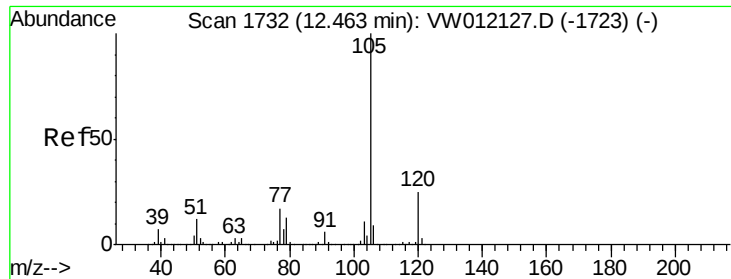
115 60.5 30.1 90.3

150 163.7 0.0 345.8



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





#73

Isopropylbenzene

Concen: 18.840 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion:105 Resp: 221974

Ion Ratio Lower Upper

105 100

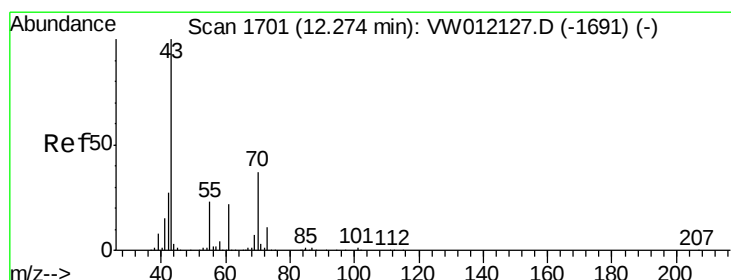
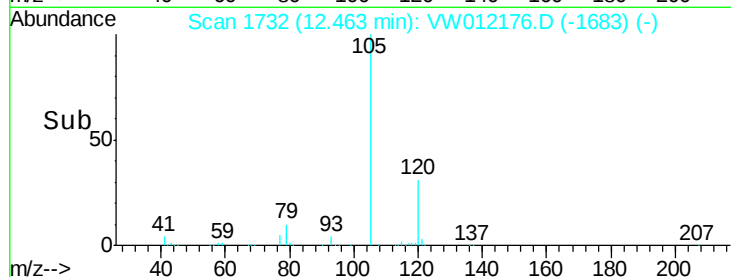
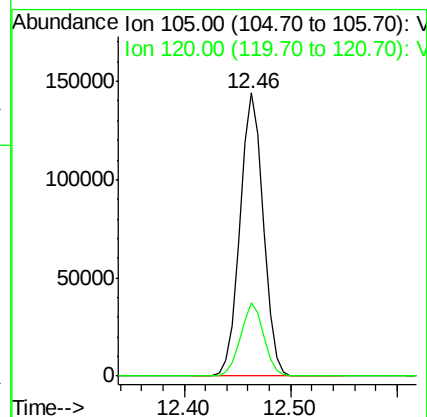
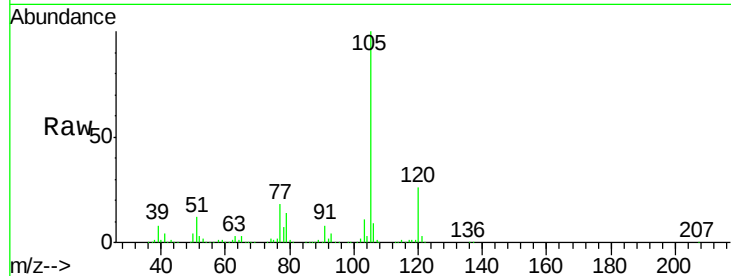
120 25.8 12.5 37.5

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#74

N-ethyl acetate

Concen: 19.565 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Tgt Ion: 43 Resp: 69648

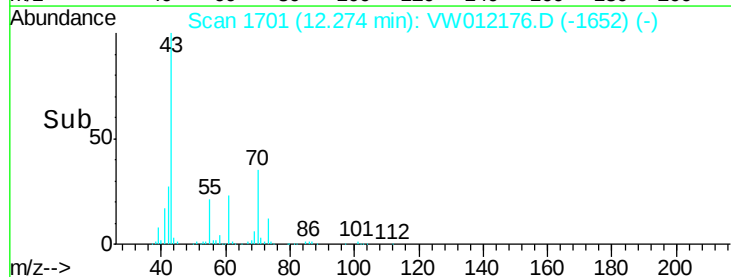
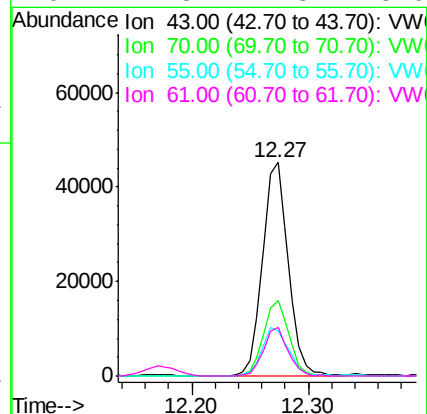
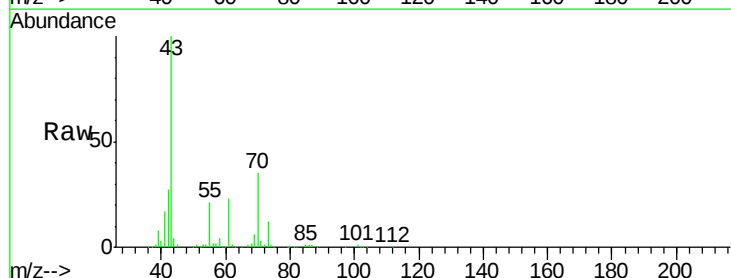
Ion Ratio Lower Upper

43 100

70 35.3 28.6 43.0

55 23.6 17.8 26.6

61 21.8 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.985 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Instrument :

MSVOA_W

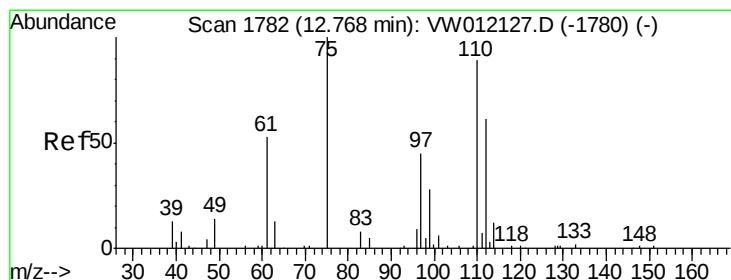
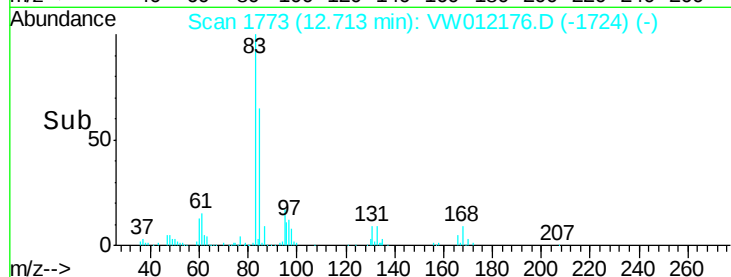
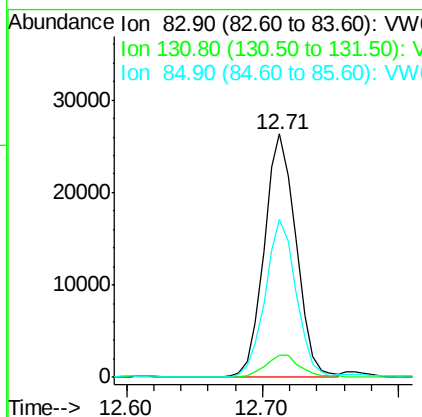
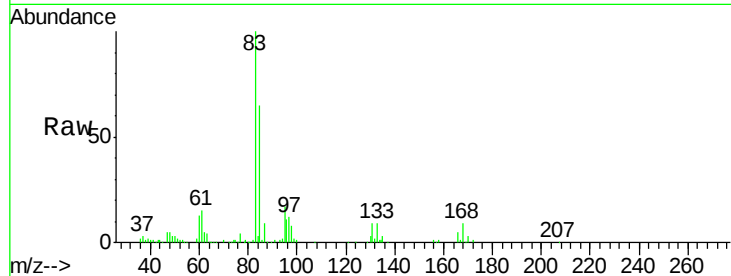
ClientSampleId :

VW0826SBS02

Tot Ion:	83	Resp:	43169
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.7
85	63.1	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 18.926 ug/l m

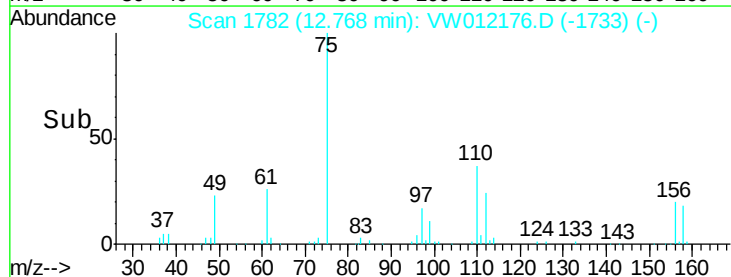
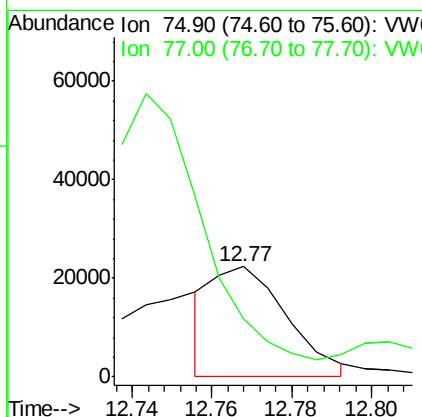
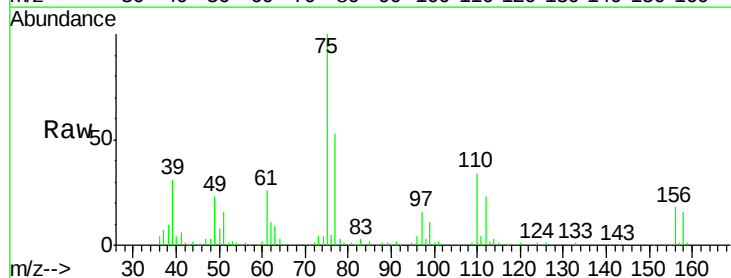
RT: 12.77 min Scan# 1782

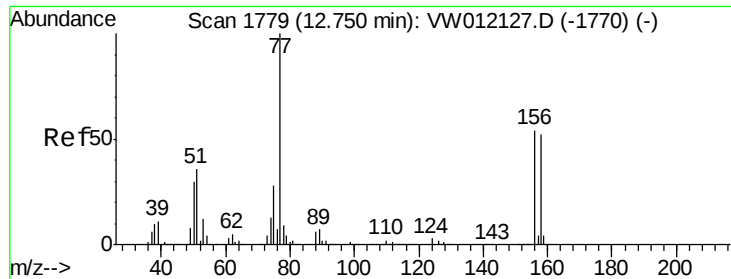
Delta R.T. -0.00 min

Lab File: VW012176.D

Acq: 26 Aug 2019 17:48

Tgt Ion:	75	Resp:	28983
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





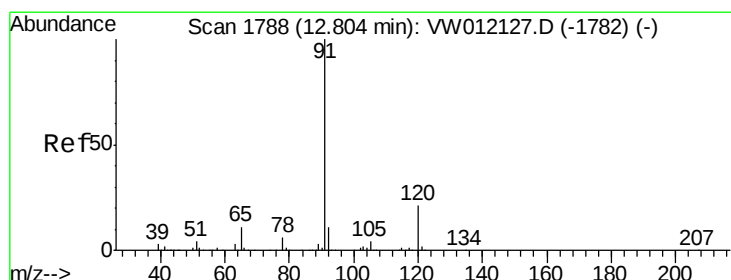
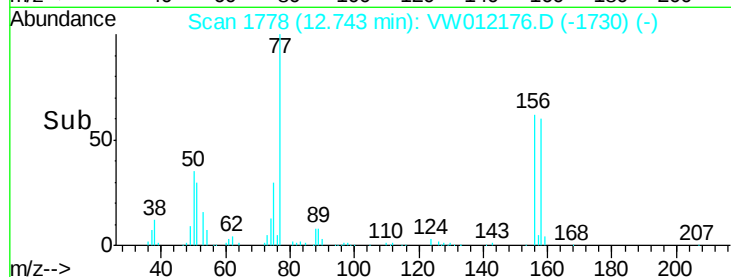
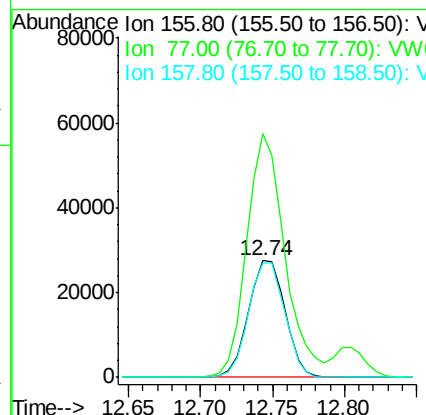
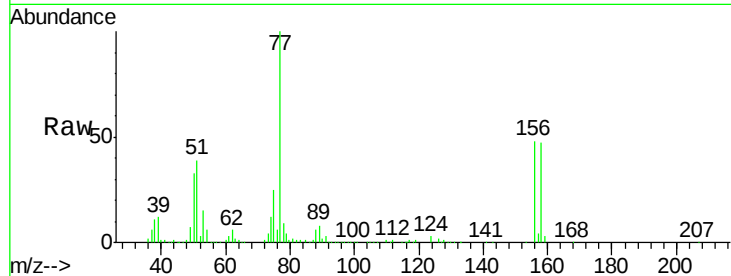
#77
Bromobenzene
Concen: 18.923 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	218.1	107.3	321.8
158	97.6	49.0	147.0

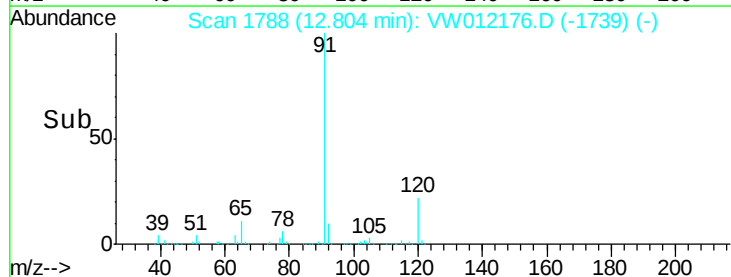
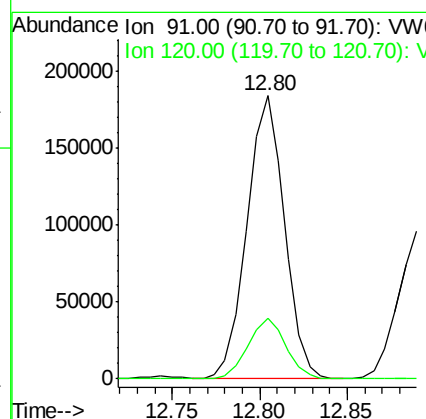
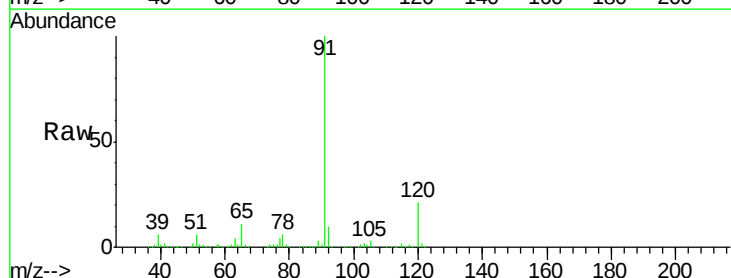
Manual Integrations
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#78
n-propylbenzene
Concen: 19.097 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.5	31.6





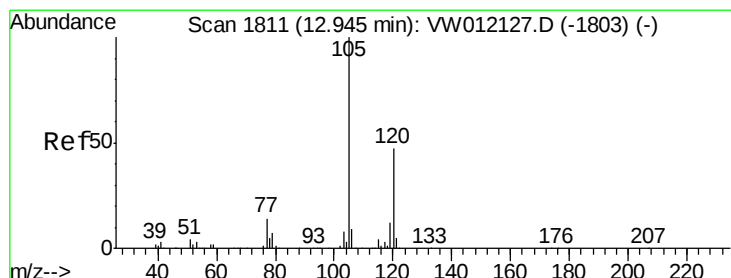
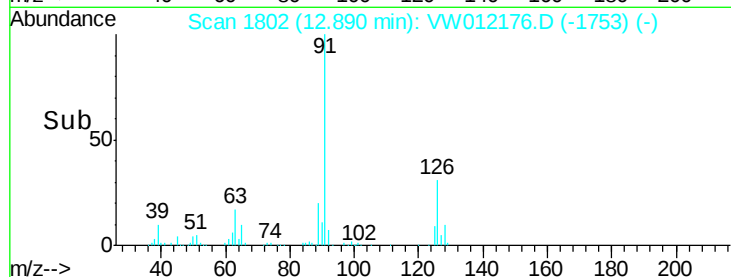
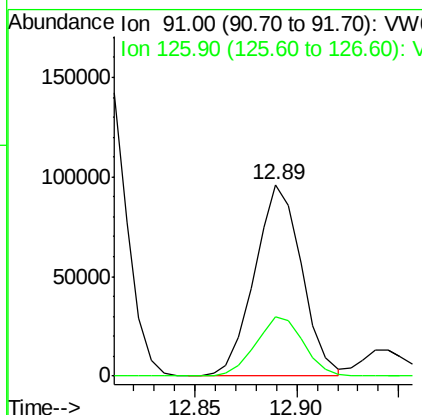
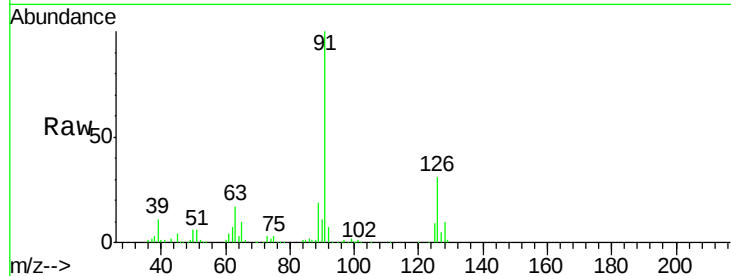
#79
2-Chlorotoluene
Concen: 18.812 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion: 91 Resp: 153625
Ion Ratio Lower Upper
91 100
126 31.7 15.7 47.0

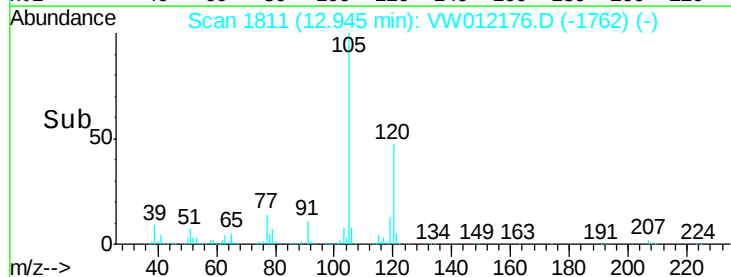
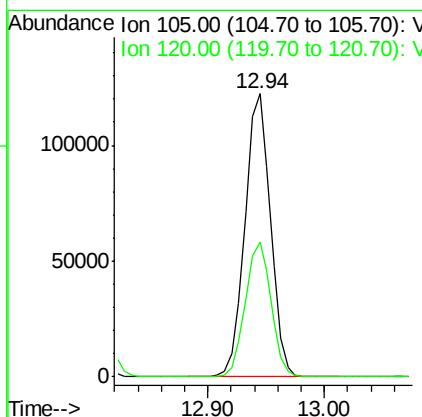
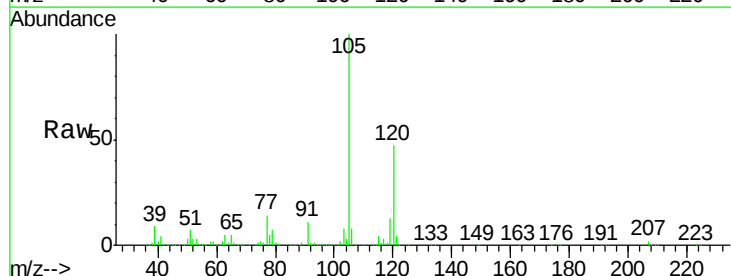
Manual Integrations
APPROVED

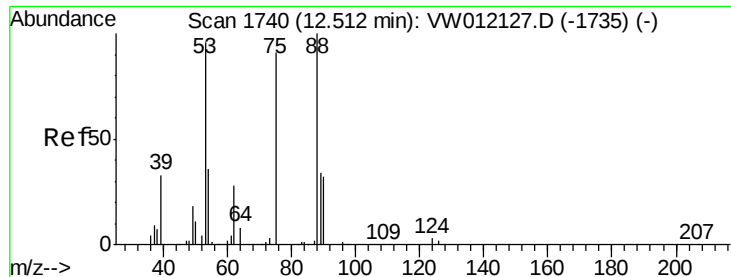
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#80
1,3,5-Trimethylbenzene
Concen: 19.008 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tgt Ion:105 Resp: 187137
Ion Ratio Lower Upper
105 100
120 48.1 24.0 72.0





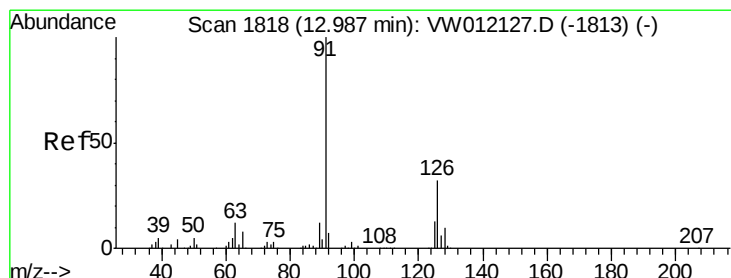
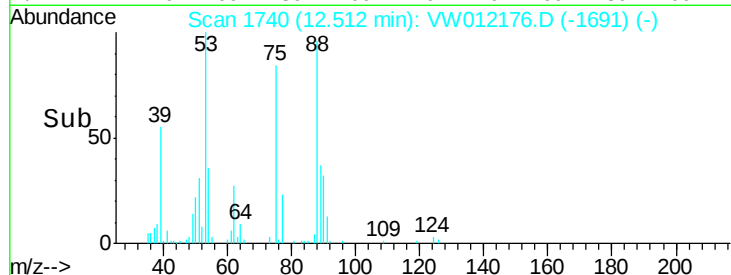
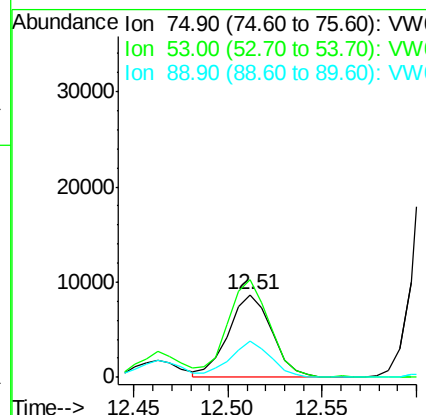
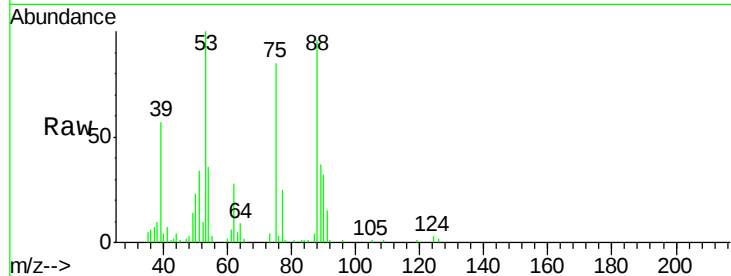
#81
trans-1,4-Dichloro-2-butene
Concen: 20.004 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.8	89.4	134.0
89	41.6	34.5	51.7

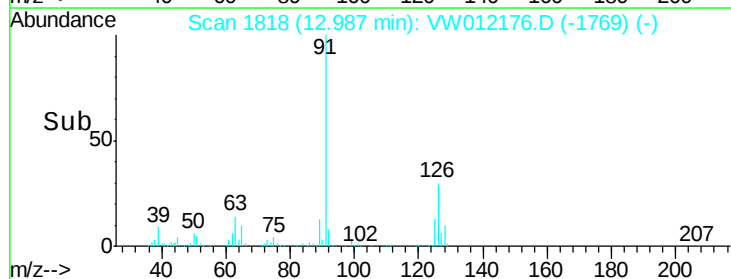
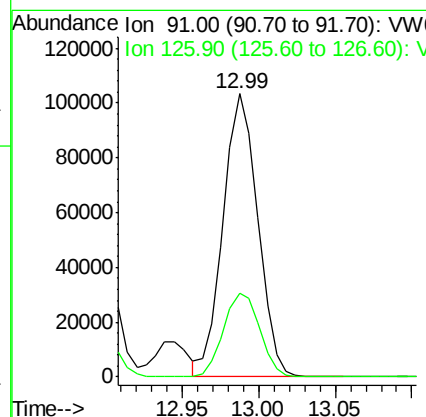
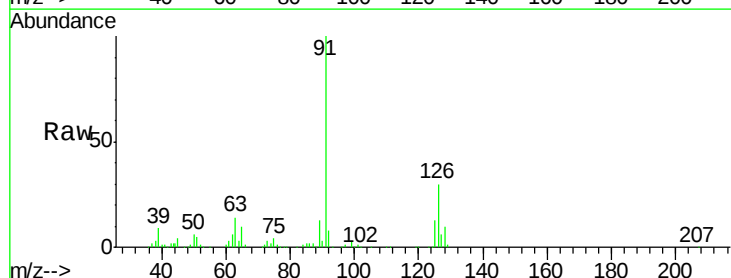
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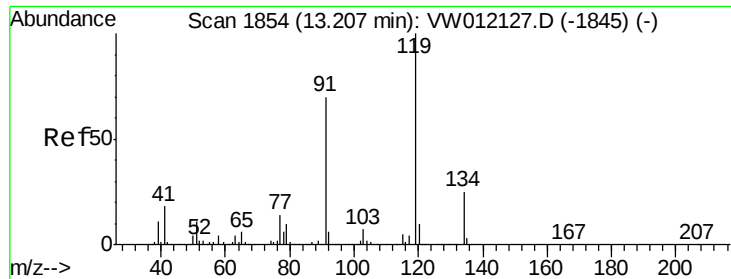
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.993 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





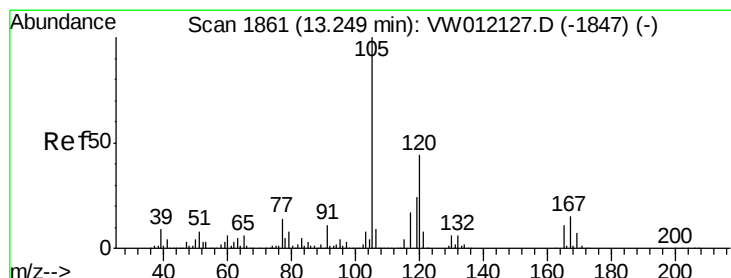
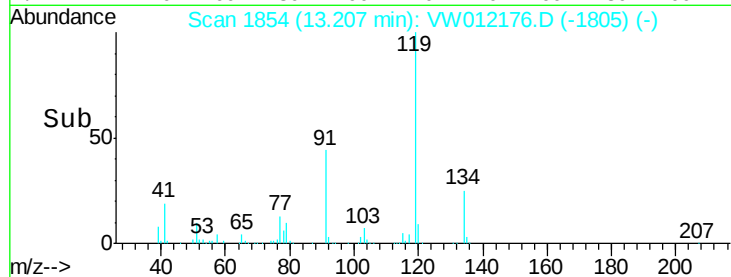
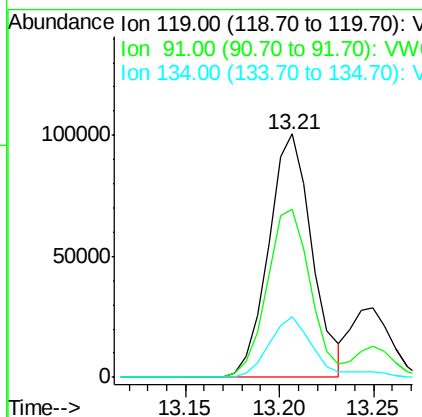
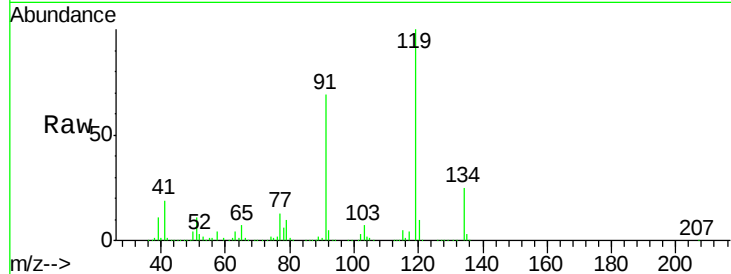
#83
 tert-Butylbenzene
 Concen: 19.254 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.8	104.3
134	26.3	13.3	39.8

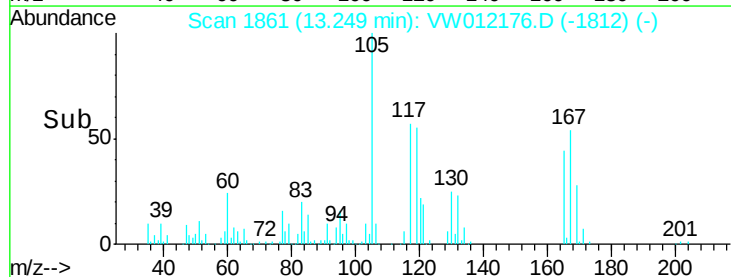
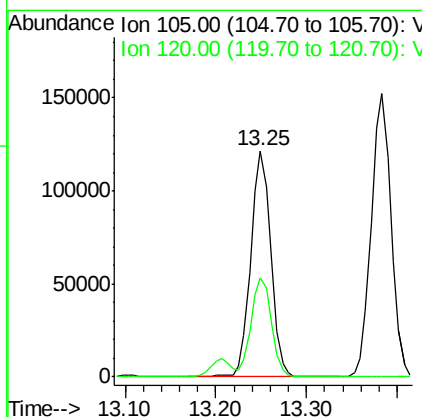
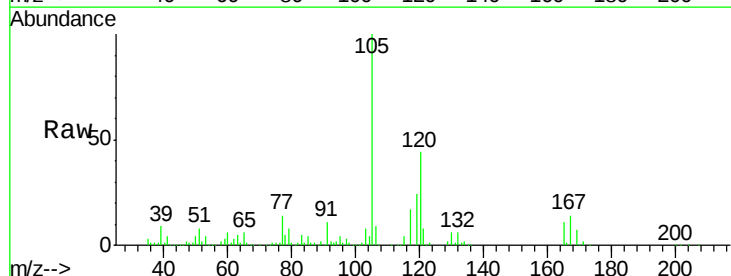
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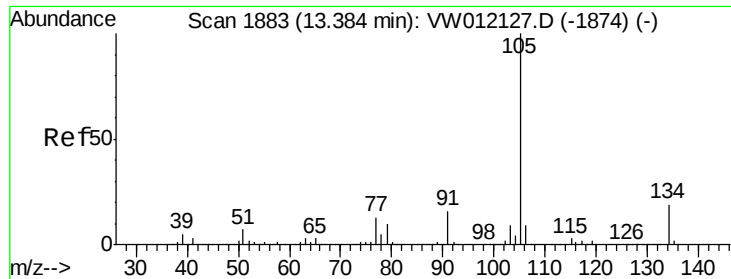
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.869 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.7





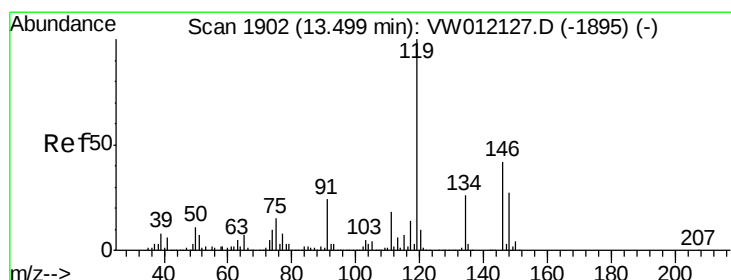
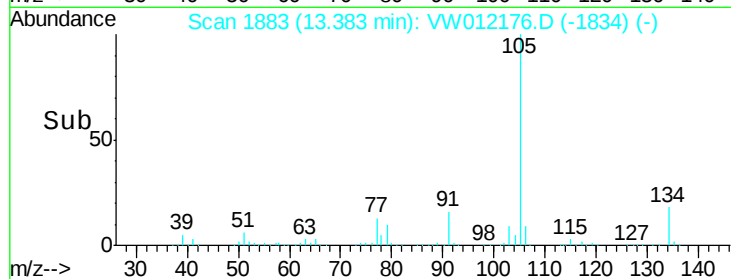
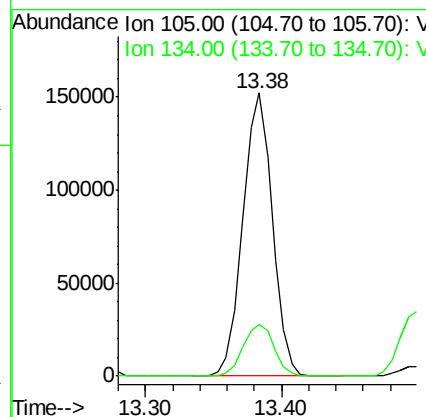
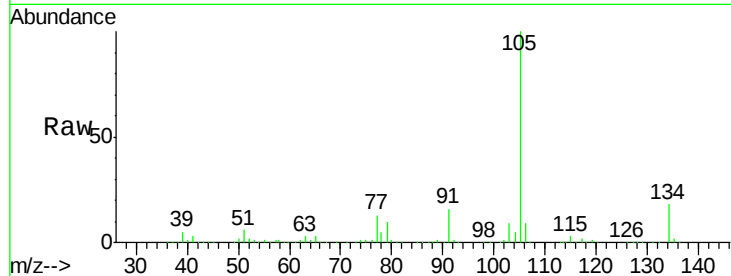
#85
 sec-Butylbenzene
 Concen: 19.309 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4

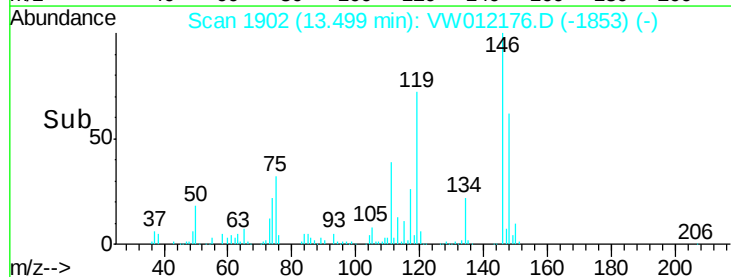
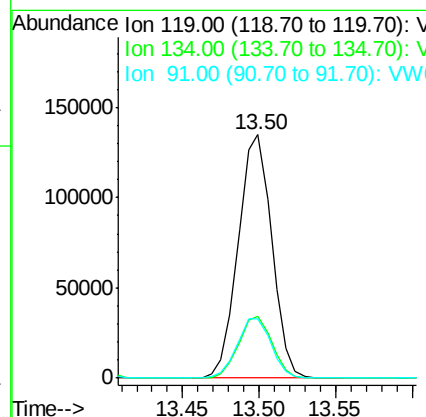
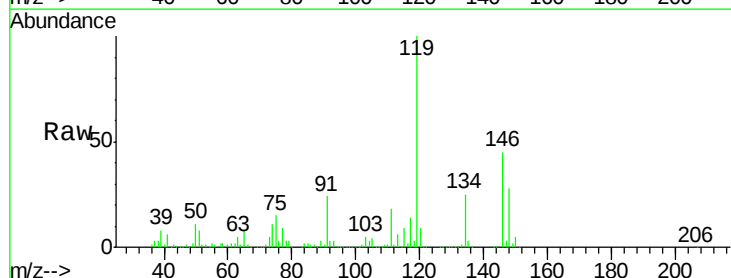
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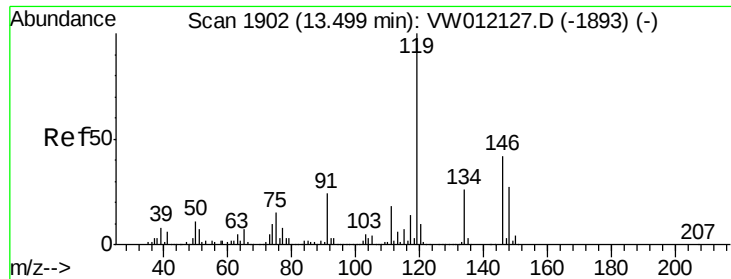
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#86
 p-Isopropyltoluene
 Concen: 19.208 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.3
91	24.7	12.3	36.9





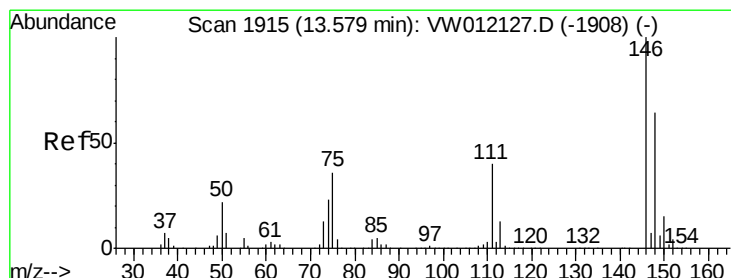
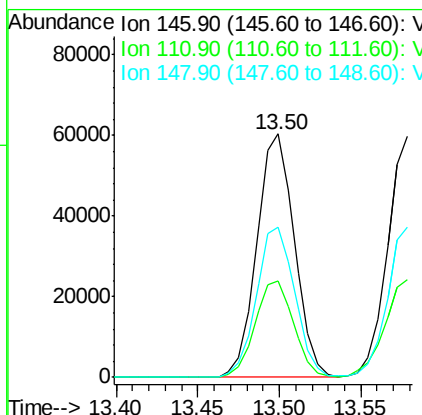
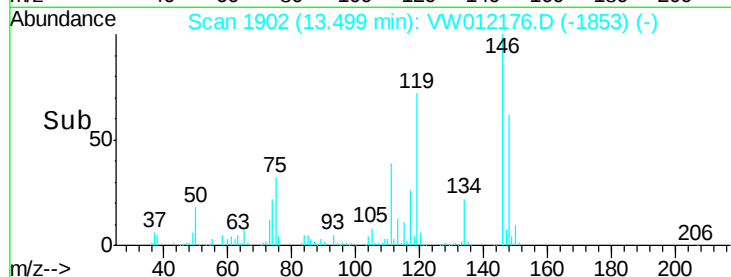
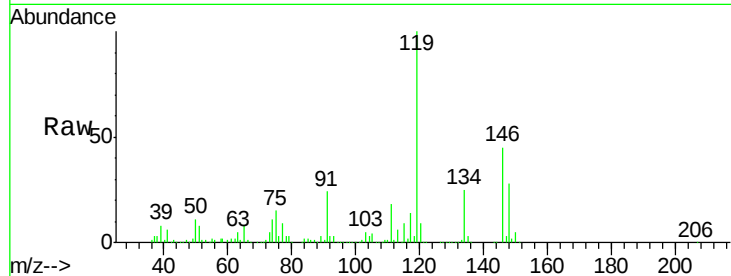
#87
 1,3-Dichlorobenzene
 Concen: 19.415 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Instrument :
 MSVOA_W
 ClientSampled :
 VW0826SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.9	62.7
148	63.0	32.2	96.6

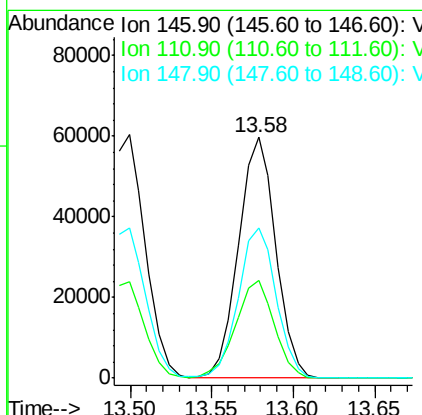
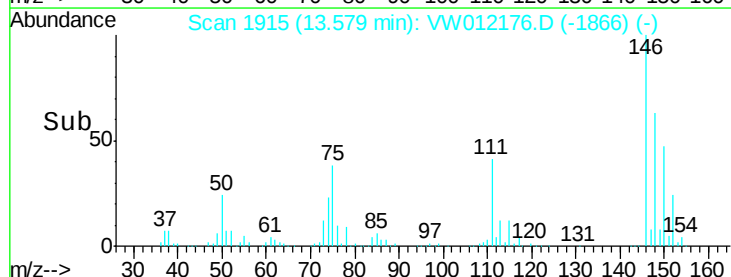
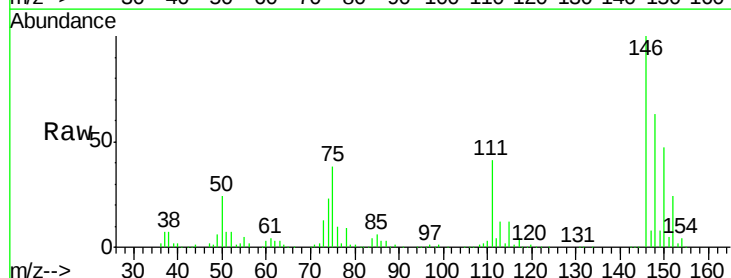
Manual Integrations
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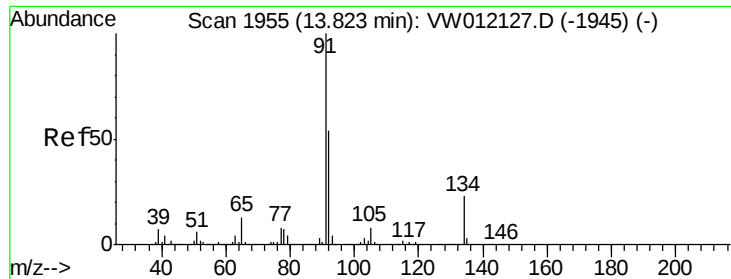
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#88
 1,4-Dichlorobenzene
 Concen: 19.141 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.0	60.0
148	63.7	32.1	96.3





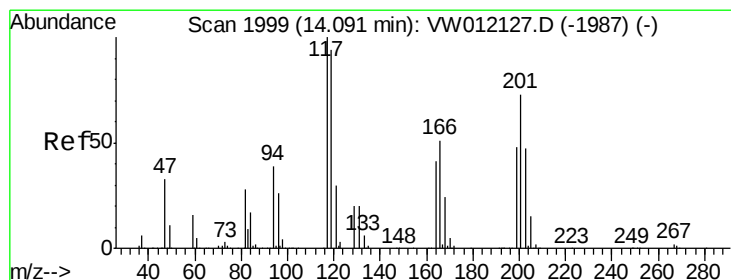
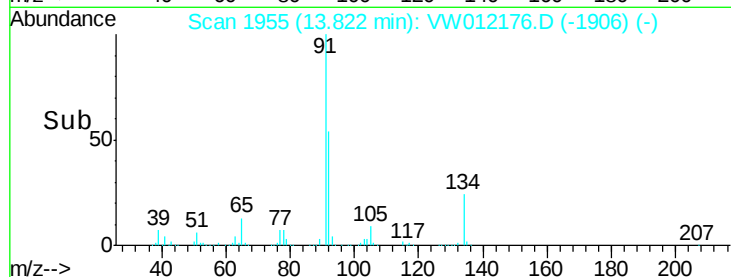
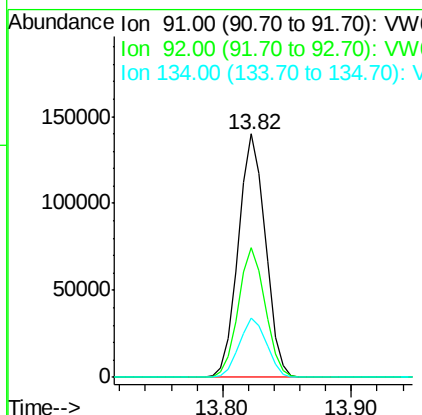
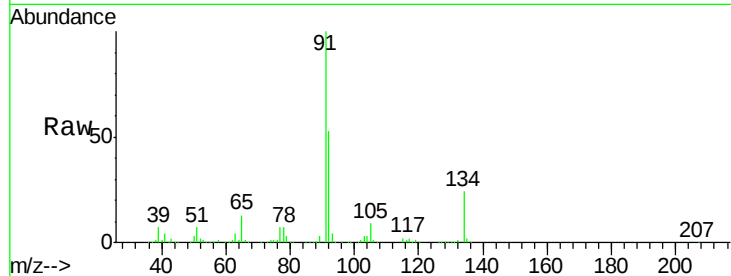
#89
n-Butylbenzene
Concen: 19.245 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	204207		
92	53.2		27.1	81.2
134	24.6		12.2	36.4

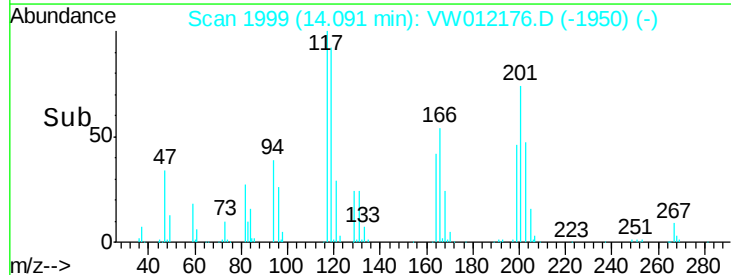
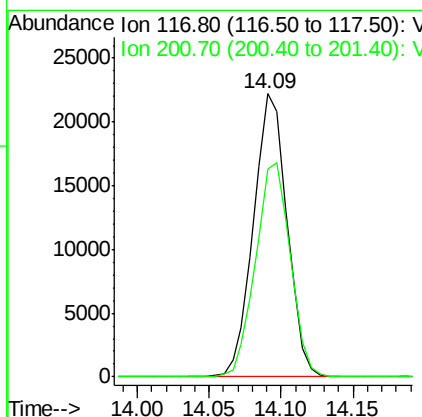
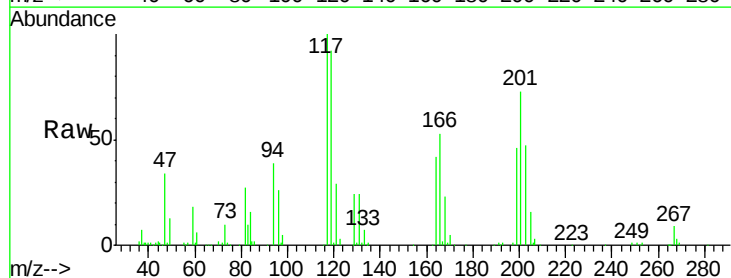
Manual Integrations
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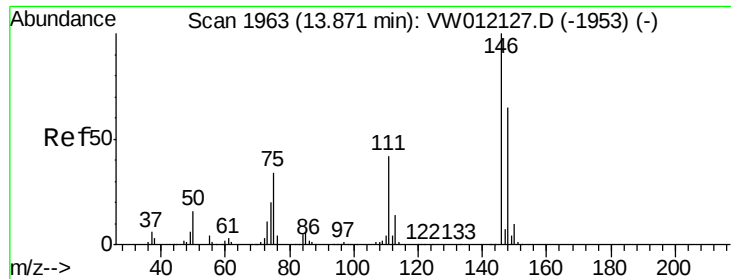
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#90
Hexachloroethane
Concen: 19.077 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35714		
201	78.4		38.6	115.7





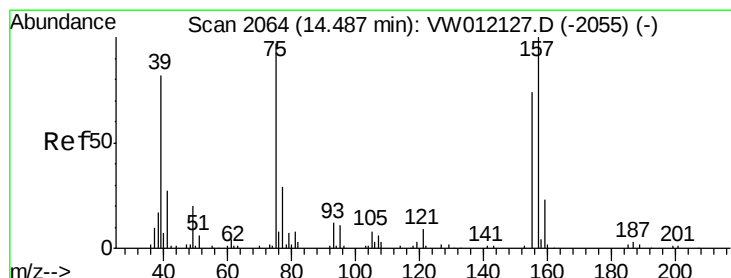
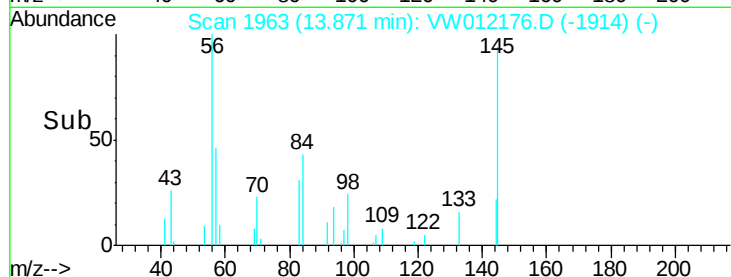
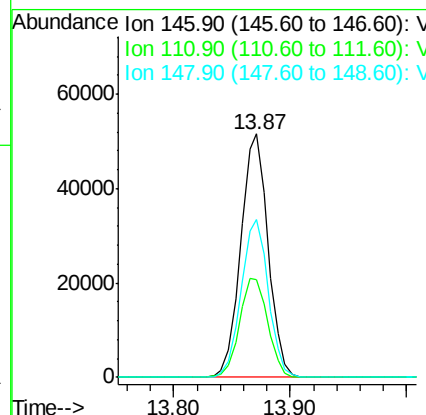
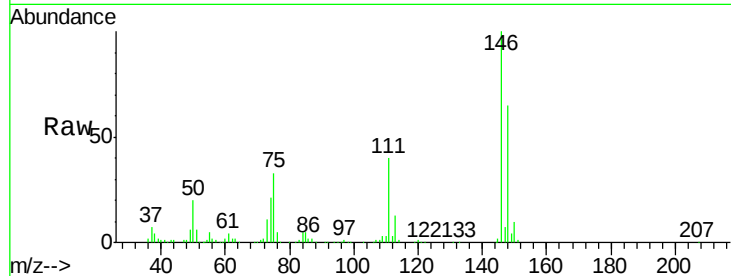
#91
 1,2-Dichlorobenzene
 Concen: 19.265 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.2	63.6
148	64.4	32.5	97.4

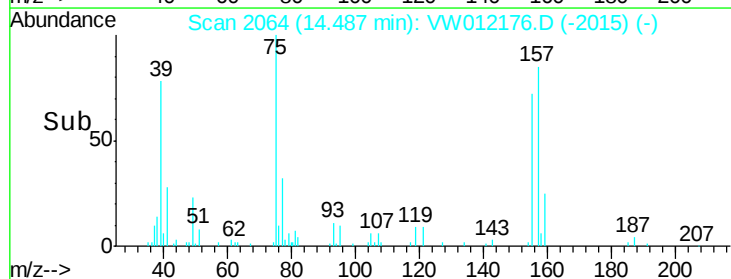
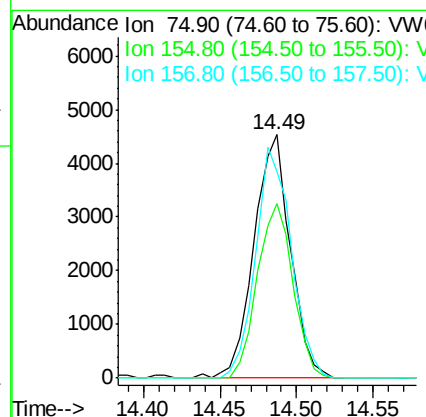
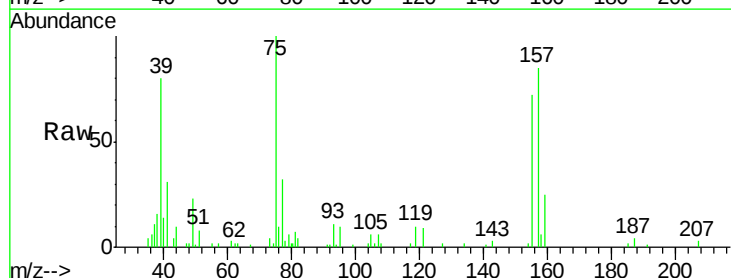
Manual Integrations
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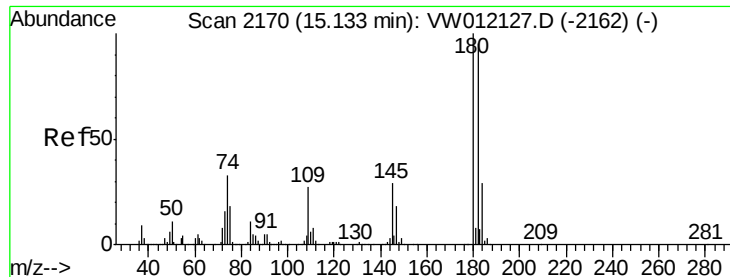
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.711 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.7	37.5	112.3
157	92.5	50.5	151.5





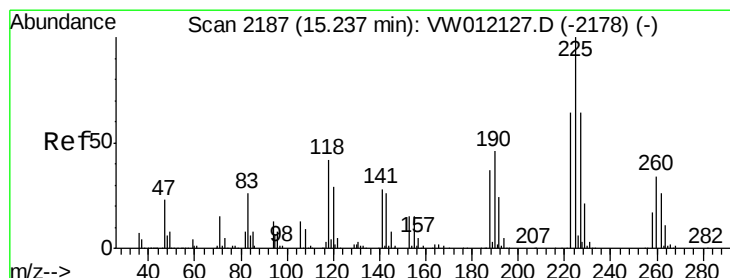
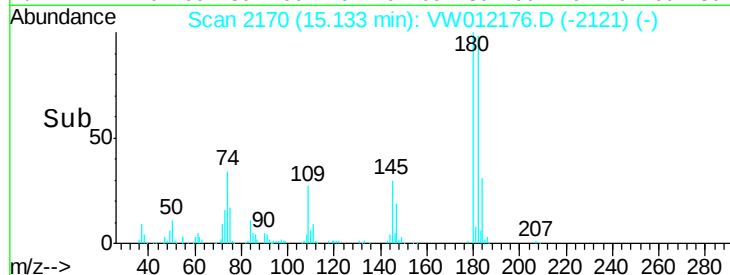
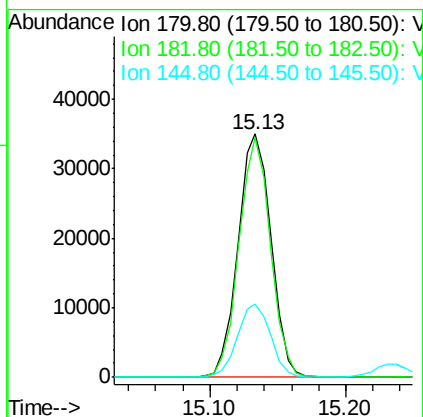
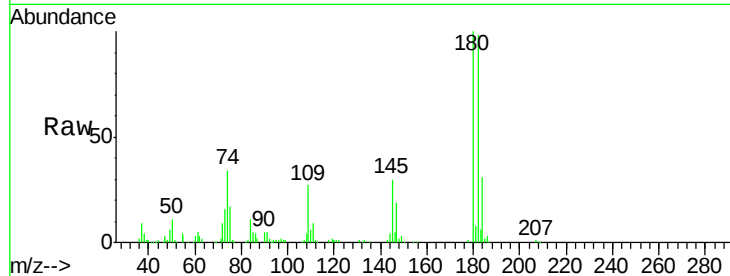
#93
 1,2,4-Trichlorobenzene
 Concen: 19.635 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59348		
182	93.9	47.8	143.4	
145	30.4	15.0	45.1	

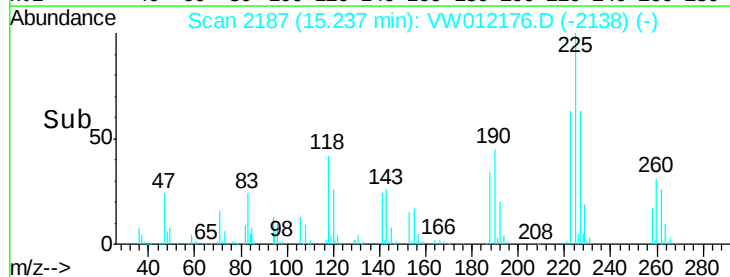
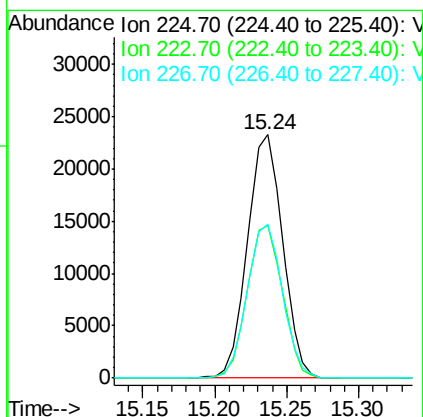
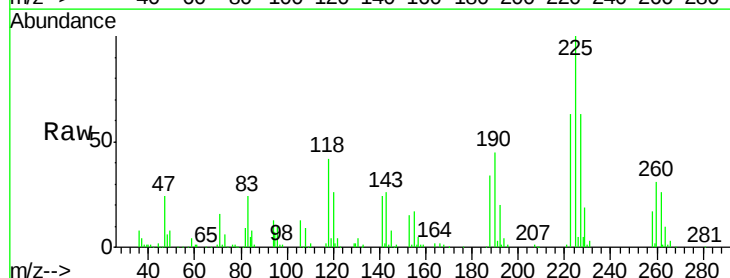
Manual Integrations
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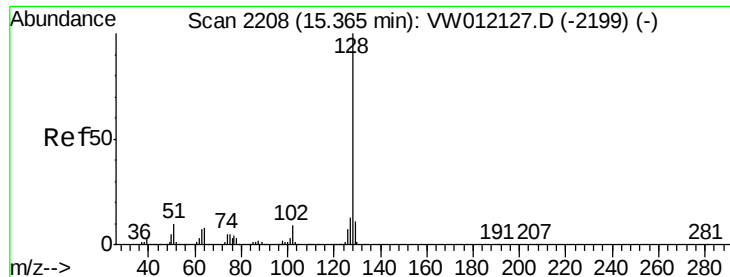
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#94
 Hexachlorobutadiene
 Concen: 19.698 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012176.D
 Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39312		
223	62.6	32.3	96.8	
227	63.6	32.9	98.6	





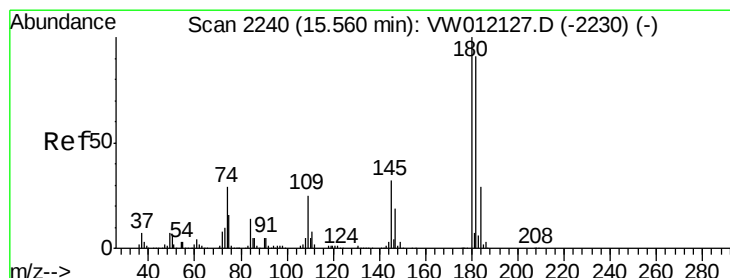
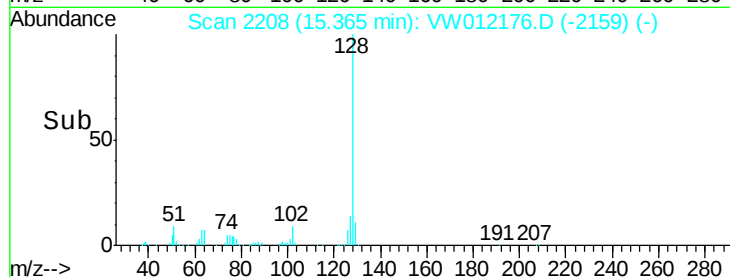
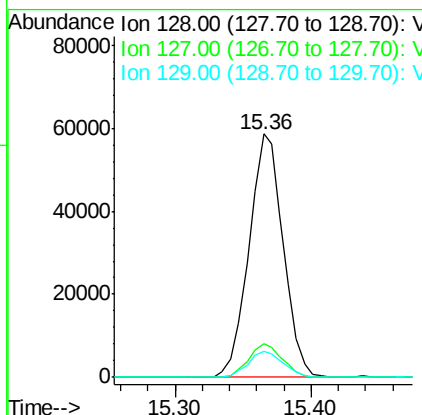
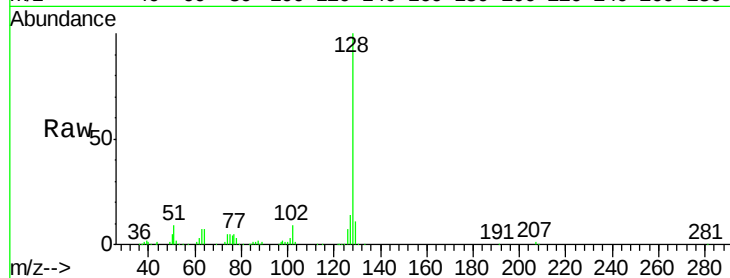
#95
Naphthalene
Concen: 20.248 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:04:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.257 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012176.D
Acq: 26 Aug 2019 17:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.1	141.3
145	32.8	16.2	48.5

