

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
 Data File : VW012784.D
 Acq On : 08 Sep 2019 21:34
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 11:25:06 AM

Quant Time: Sep 09 08:23:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	204191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	302139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	260475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	126959	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	121402	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
35) Dibromofluoromethane	7.88	113	96854	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
50) Toluene-d8	10.32	98	396360	56.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.64%	
62) 4-Bromofluorobenzene	12.62	95	136511	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	48623	43.925	ug/l	97
3) Chloromethane	2.21	50	61499	45.714	ug/l	93
4) Vinyl Chloride	2.36	62	79933	48.459	ug/l	96
5) Bromomethane	2.73	94	44969	50.205	ug/l	100
6) Chloroethane	2.89	64	48459	49.231	ug/l	97
7) Trichlorofluoromethane	3.24	101	56337	49.493	ug/l	97
8) Diethyl Ether	3.68	74	45030	47.068	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.05	101	85378	47.796	ug/l	96
10) Methyl Iodide	4.26	142	110937	49.333	ug/l	99
11) Tert butyl alcohol	5.17	59	34018	194.881	ug/l	99
12) 1,1-Dichloroethene	4.03	96	78507	46.557	ug/l	99
13) Acrolein	3.89	56	24373	131.576	ug/l	97
14) Allyl chloride	4.65	41	159679	45.776	ug/l	96
15) Acrylonitrile	5.35	53	116065	207.710	ug/l	99
16) Acetone	4.12	43	109855	176.622	ug/l	99
17) Carbon Disulfide	4.37	76	155177	43.354	ug/l	99
18) Methyl Acetate	4.67	43	62789	43.028	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	162184	48.497	ug/l	97
20) Methylene Chloride	4.91	84	89425	45.956	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	86809	50.453	ug/l	92
22) Diisopropyl ether	6.31	45	340120	49.161	ug/l	99
23) Vinyl Acetate	6.25	43	983825	224.384	ug/l	100
24) 1,1-Dichloroethane	6.21	63	190245	51.070	ug/l	99
25) 2-Butanone	7.17	43	162076	182.724	ug/l	100
26) 2,2-Dichloropropane	7.16	77	110551	46.987	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	106150	53.208	ug/l	96
28) Bromochloromethane	7.51	49	83340	48.722	ug/l #	90
29) Tetrahydrofuran	7.52	42	101279	201.641	ug/l	97
30) Chloroform	7.68	83	193764	52.484	ug/l	97
31) Cyclohexane	7.95	56	146912	43.806	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	157215	52.534	ug/l	100
36) 1,1-Dichloropropene	8.08	75	137346	51.161	ug/l	99
37) Ethyl Acetate	7.25	43	71464	41.759	ug/l	99
38) Carbon Tetrachloride	8.07	117	143633	54.276	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	149477	49.575	ug/l	98
40) Benzene	8.32	78	384593	51.634	ug/l	100
41) Methacrylonitrile	7.48	41	47339	41.407	ug/l	96
42) 1,2-Dichloroethane	8.40	62	134098	51.156	ug/l	99
43) Isopropyl Acetate	8.42	43	142224	43.866	ug/l	98
44) Trichloroethene	9.09	130	102875	53.581	ug/l	95
45) 1,2-Dichloropropane	9.37	63	102564	49.648	ug/l	100
46) Dibromomethane	9.46	93	48950	50.038	ug/l	98
47) Bromodichloromethane	9.64	83	140158	52.076	ug/l	97
48) Methyl methacrylate	9.43	41	66775	43.096	ug/l	97
49) 1,4-Dioxane	9.45	88	15213	787.286	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	360208	211.724	ug/l	99
52) Toluene	10.38	92	242871	52.243	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	137893	49.826	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	156508	49.851	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	72502	49.504	ug/l	99
56) Ethyl methacrylate	10.65	69	99131	46.240	ug/l	97
57) 1,3-Dichloropropane	10.93	76	131662	48.594	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	268401	235.828	ug/l	97
59) 2-Hexanone	10.97	43	247500	199.124	ug/l	100
60) Dibromochloromethane	11.13	129	88704	51.499	ug/l	98
61) 1,2-Dibromoethane	11.23	107	65668	48.907	ug/l	99
64) Tetrachloroethene	10.86	164	92954	58.813	ug/l	97
65) Chlorobenzene	11.66	112	258047	52.416	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	99639	54.348	ug/l	99
67) Ethyl Benzene	11.73	91	493226	53.398	ug/l	100
68) m/p-Xylenes	11.84	106	359526	107.834	ug/l	100
69) o-Xylene	12.16	106	170277	54.134	ug/l	98
70) Styrene	12.18	104	298756	53.750	ug/l	100
71) Bromoform	12.35	173	51175	50.241	ug/l	99
73) Isopropylbenzene	12.46	105	488014	53.593	ug/l	99
74) N-amyl acetate	12.27	43	127701	44.182	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	81494	44.563	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	55938m	43.088	ug/l	
77) Bromobenzene	12.74	156	110770	53.693	ug/l	94
78) n-propylbenzene	12.80	91	573819	52.689	ug/l	100
79) 2-Chlorotoluene	12.89	91	329376	52.683	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	415384	54.136	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	25582	41.679	ug/l	97
82) 4-Chlorotoluene	12.99	91	345896	52.304	ug/l	99
83) tert-Butylbenzene	13.21	119	368113	54.258	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	407861	52.753	ug/l	99
85) sec-Butylbenzene	13.38	105	491757	52.234	ug/l	99
86) p-Isopropyltoluene	13.50	119	449681	52.293	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	208847	51.504	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	207224	51.357	ug/l	99
89) n-Butylbenzene	13.82	91	414420	49.640	ug/l	100
90) Hexachloroethane	14.09	117	78871	52.538	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	188271	51.585	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	15156	45.287	ug/l	96

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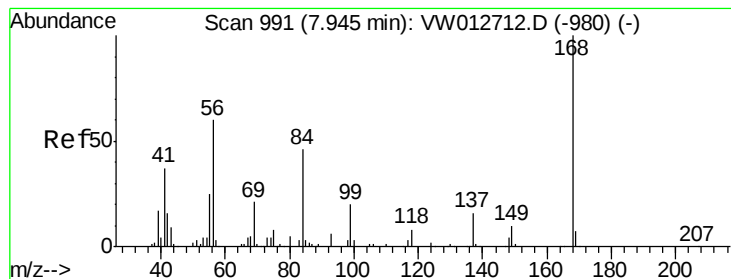
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	131540	51.767	ug/l	99
94) Hexachlorobutadiene	15.24	225	89214	50.724	ug/l	100
95) Naphthalene	15.36	128	229627	43.722	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	117773	52.508	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

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Acq: 08 Sep 2019 21:34

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 204191

Ion Ratio Lower Upper

168 100

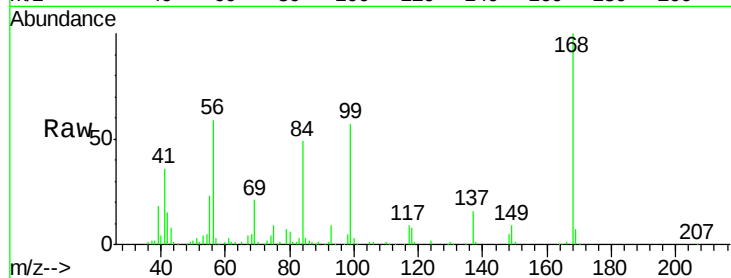
99 56.8 47.8 71.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

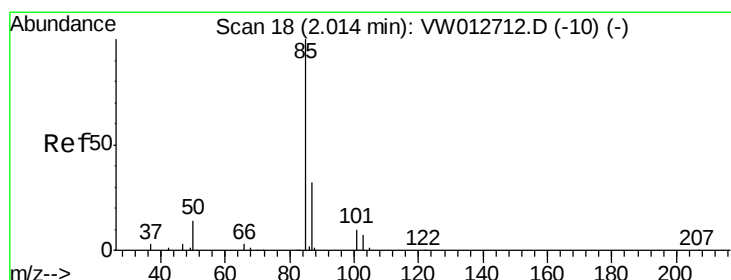
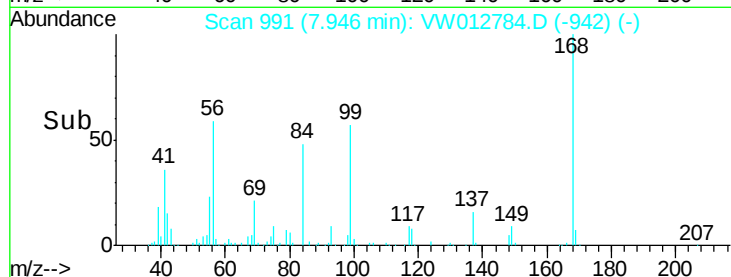
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.925 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW012784.D

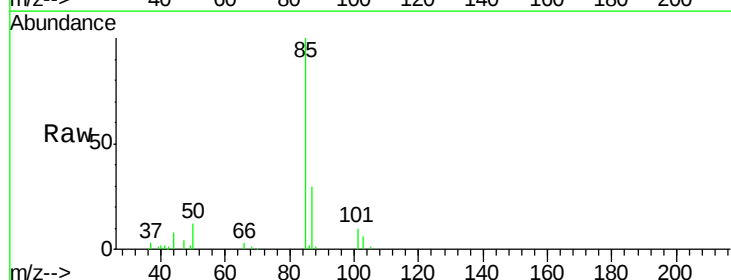
Acq: 08 Sep 2019 21:34

Tgt Ion: 85 Resp: 48623

Ion Ratio Lower Upper

85 100

87 30.2 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

20000

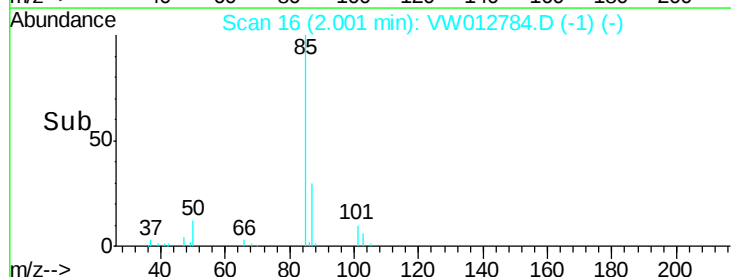
15000

10000

5000

0

Time-->





#3

Chloromethane

Concen: 45.714 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 61499

Ion Ratio Lower Upper

50 100

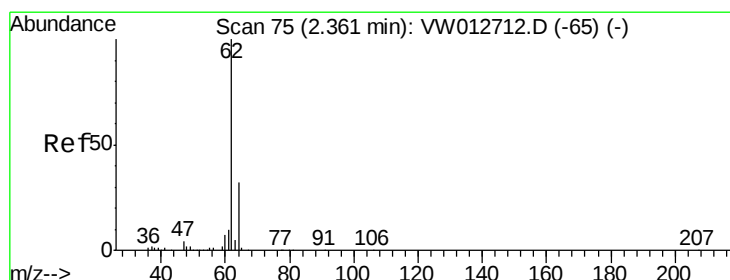
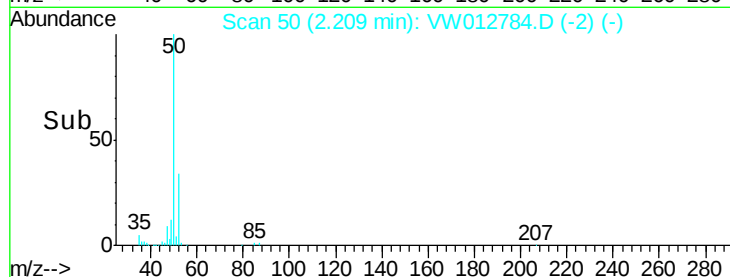
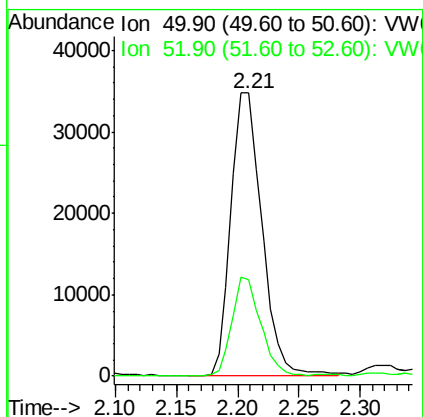
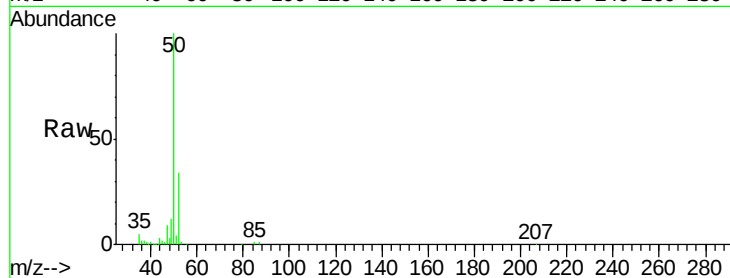
52 33.9 24.2 36.2

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#4

Vinyl Chloride

Concen: 48.459 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012784.D

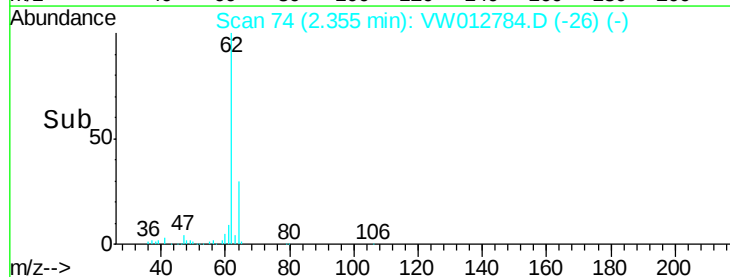
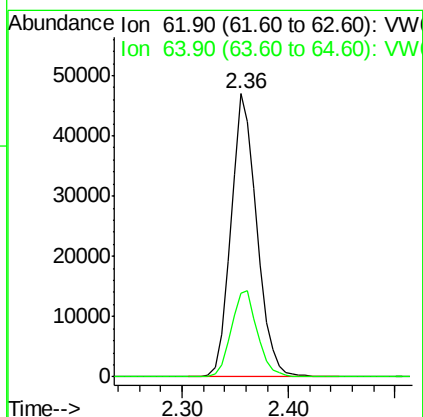
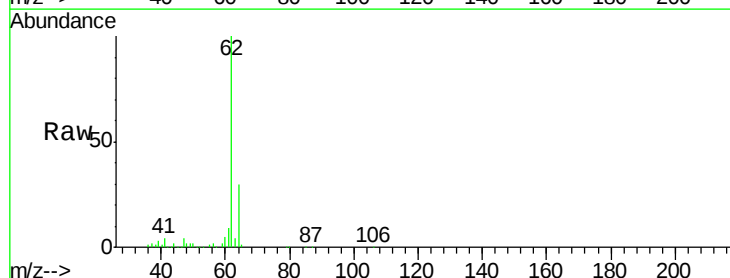
Acq: 08 Sep 2019 21:34

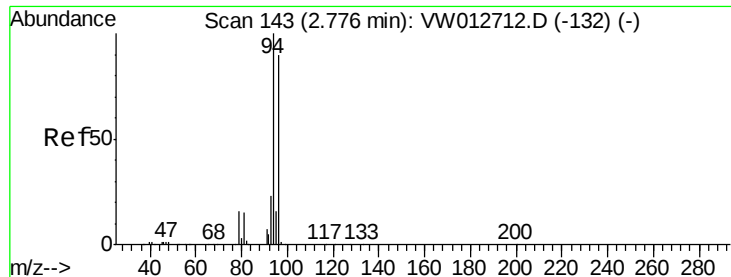
Tgt Ion: 62 Resp: 79933

Ion Ratio Lower Upper

62 100

64 29.6 25.3 37.9





#5

Bromomethane

Concen: 50.205 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.04 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 44969

Ion Ratio Lower Upper

94 100

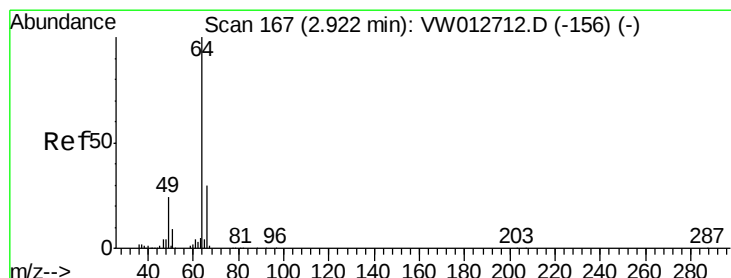
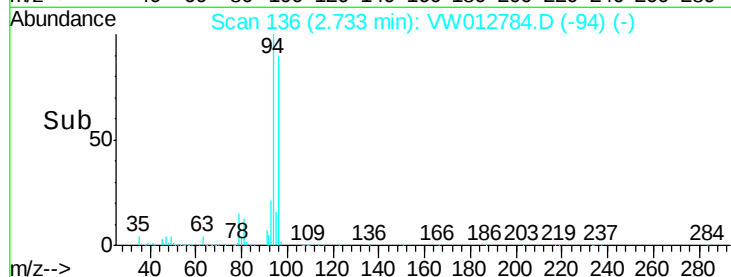
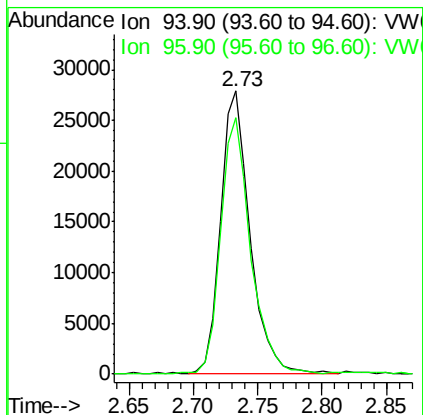
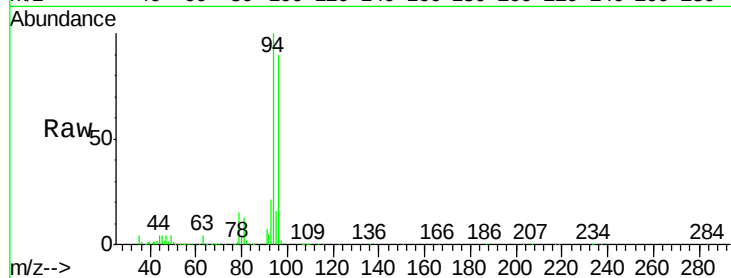
96 89.9 72.1 108.1

Manual Integrations

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#6

Chloroethane

Concen: 49.231 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.03 min

Lab File: VW012784.D

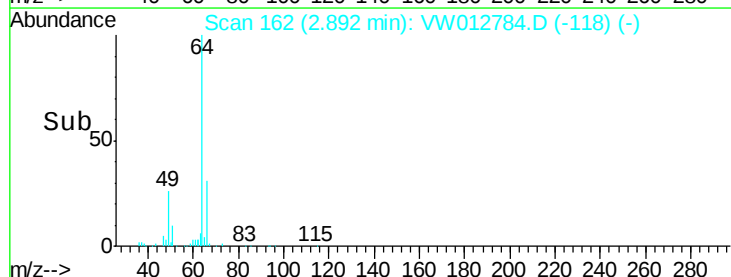
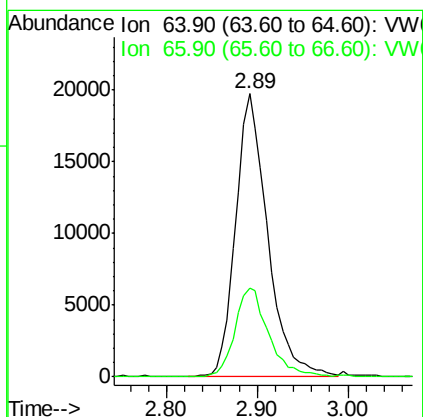
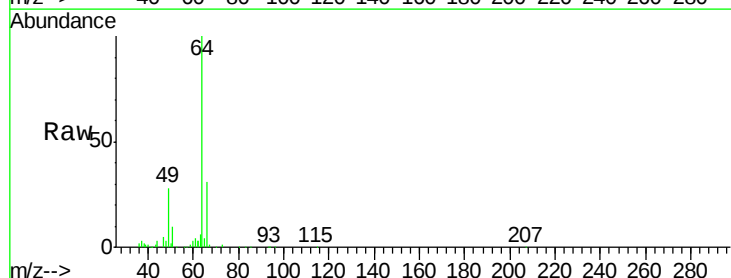
Acq: 08 Sep 2019 21:34

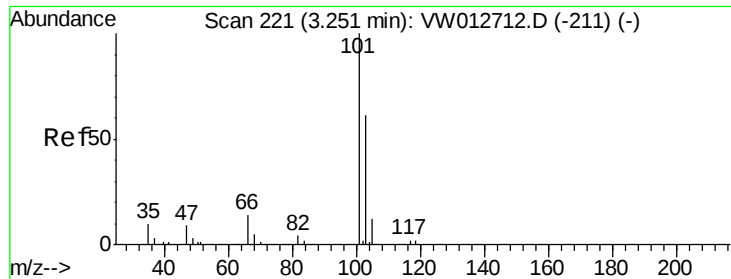
Tgt Ion: 64 Resp: 48459

Ion Ratio Lower Upper

64 100

66 31.3 23.8 35.6





#7

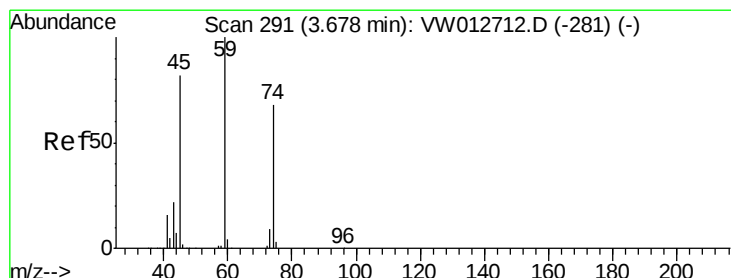
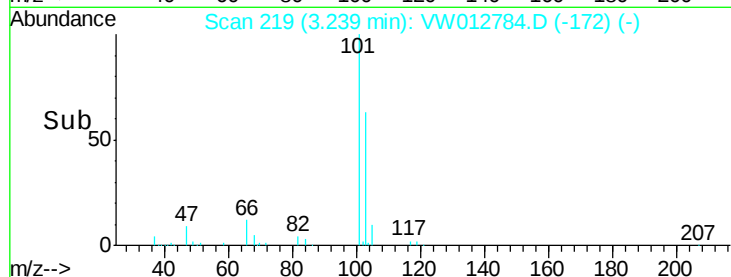
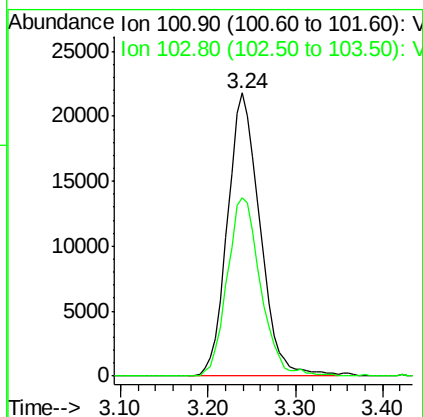
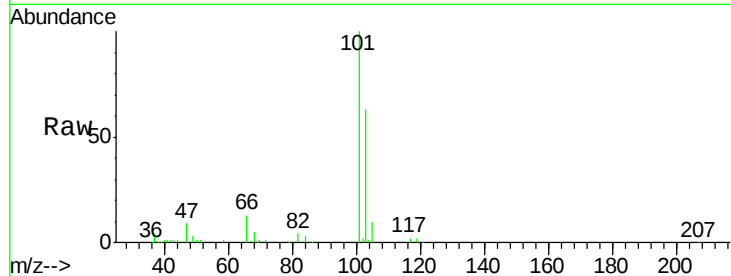
Trichlorofluoromethane
 Concen: 49.493 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW012784.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	49.0	73.4

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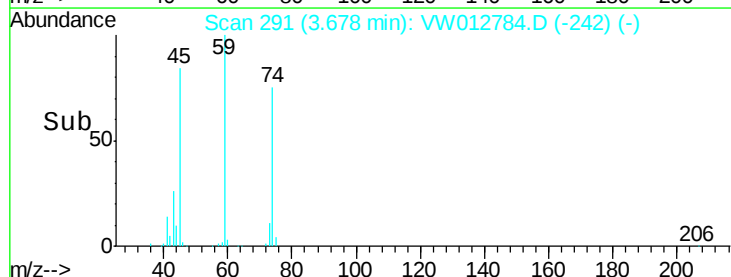
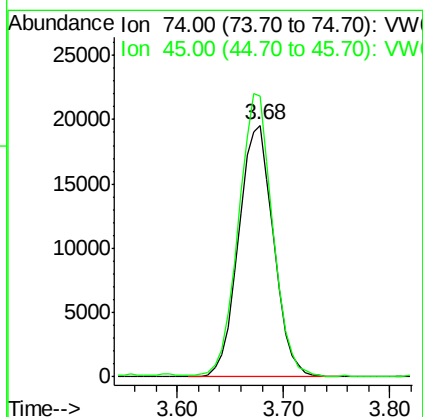
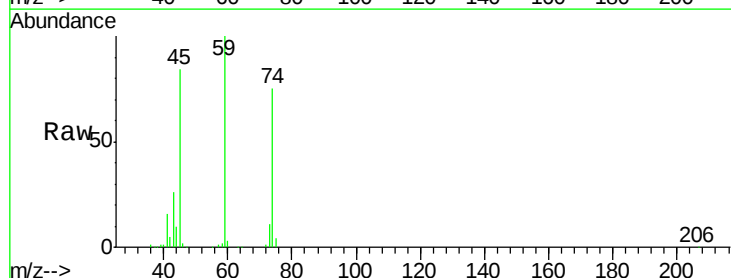
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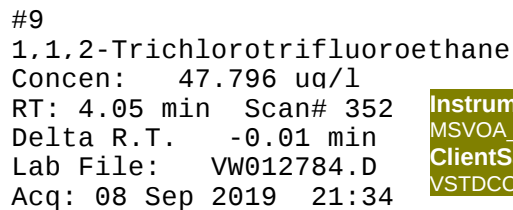


#8

Diethyl Ether
 Concen: 47.068 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.8	58.8	176.4



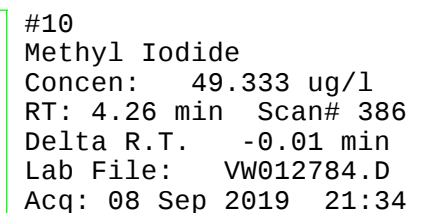
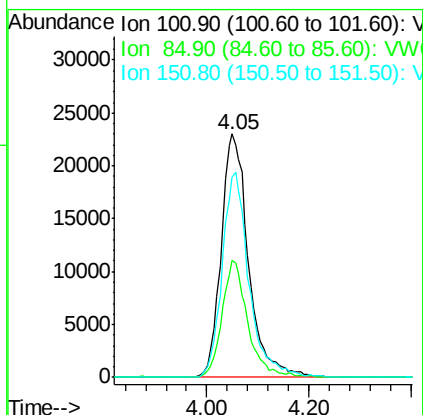


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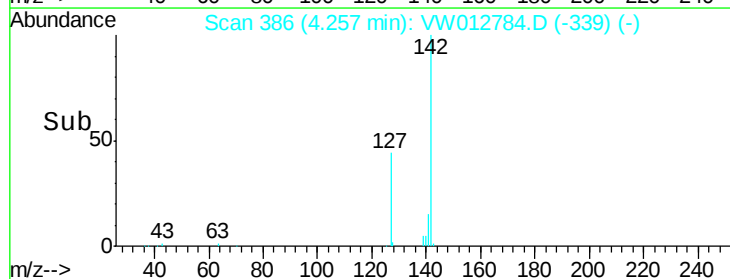
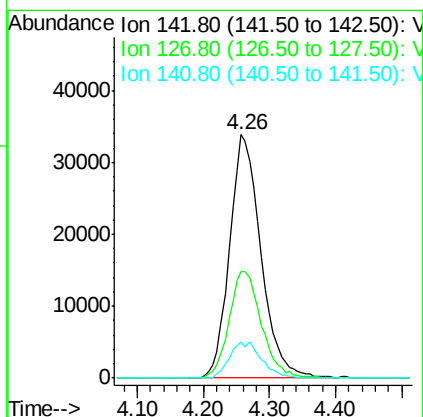
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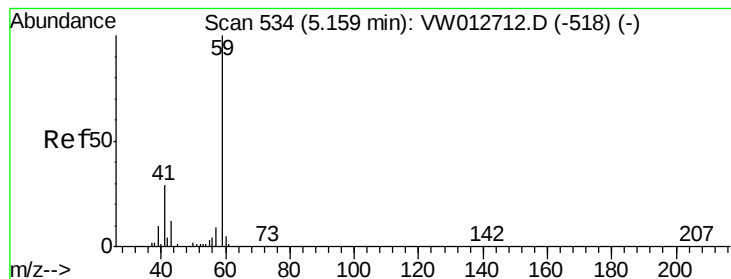
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Tqt	Ion:101	Resp:	85378
Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.2	54.2
151	82.4	61.9	92.9



Tgt	Ion:142	Resp:	110937
Ion	Ratio	Lower	Upper
142	100		
127	45.5	36.0	54.0
141	15.3	12.2	18.4





#11

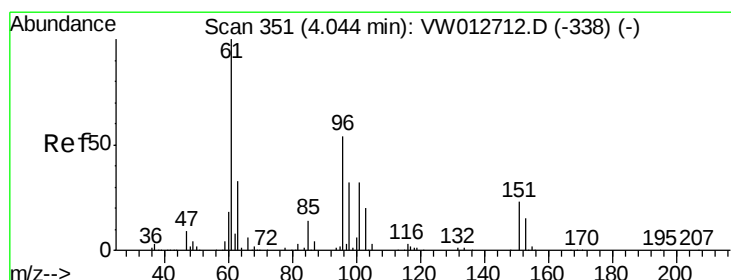
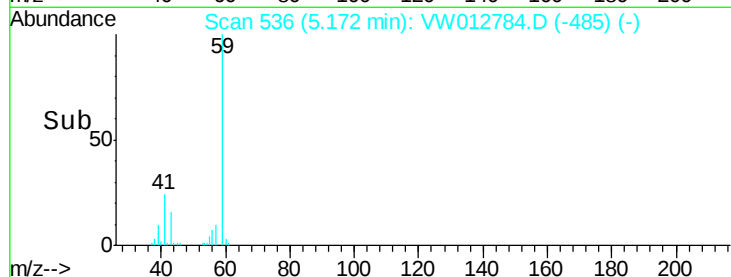
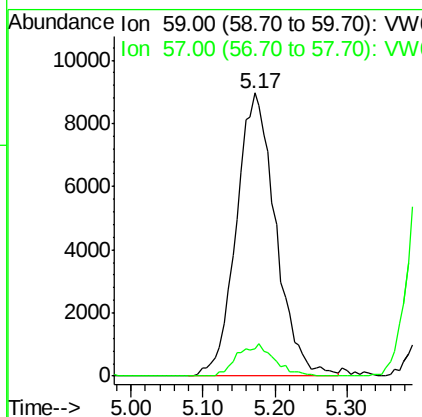
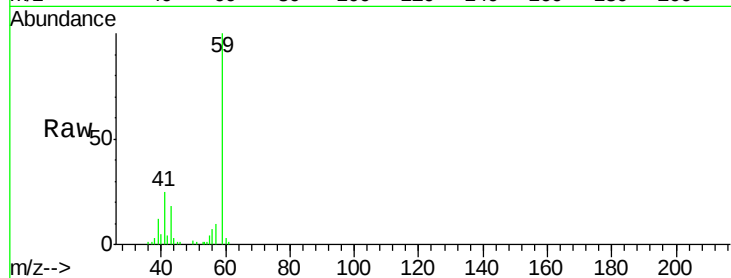
Tert butyl alcohol
 Concen: 194.881 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4

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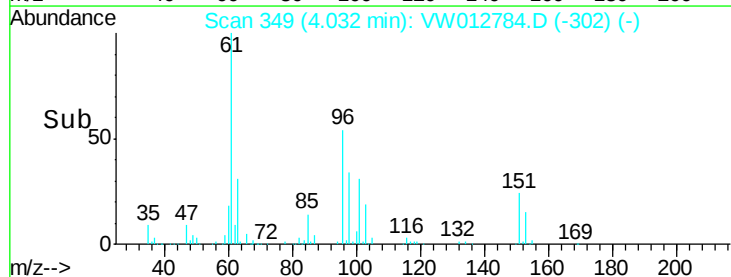
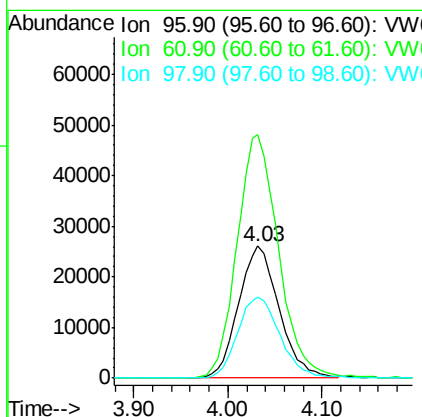
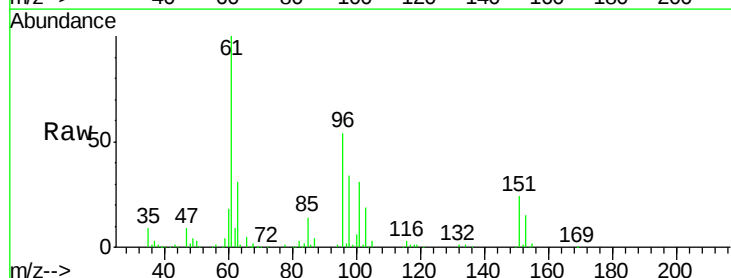
MMDadoda
 9/9/2019 11:25:06 AM

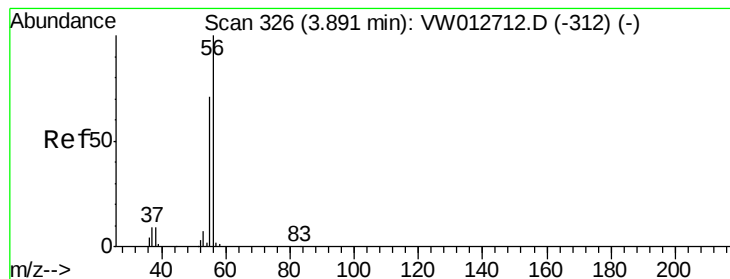


#12

1,1-Dichloroethene
 Concen: 46.557 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.5	147.8	221.6
98	62.0	47.9	71.9





#13

Acrolein

Concen: 131.576 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 24373

Ion Ratio Lower Upper

56 100

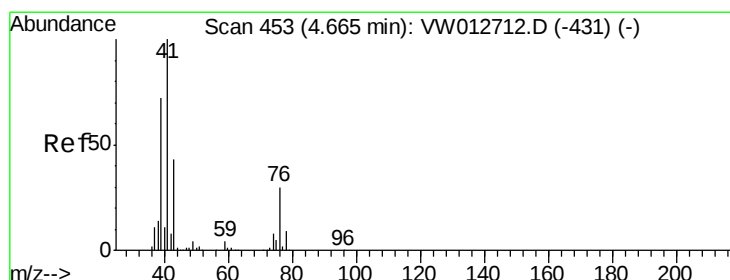
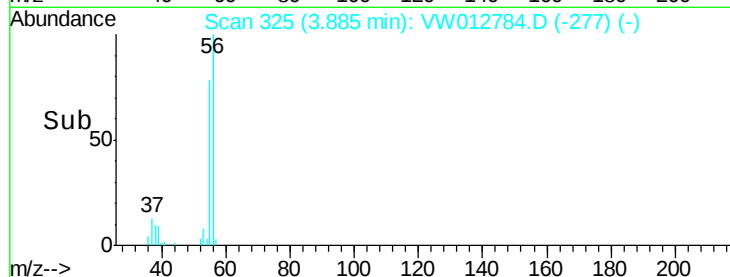
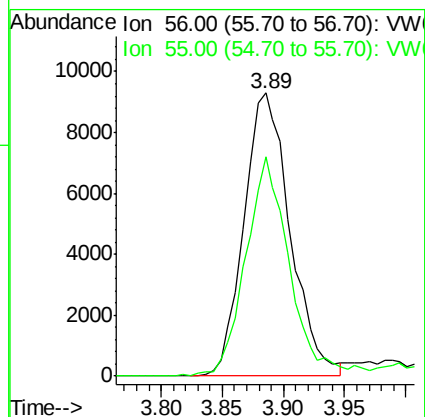
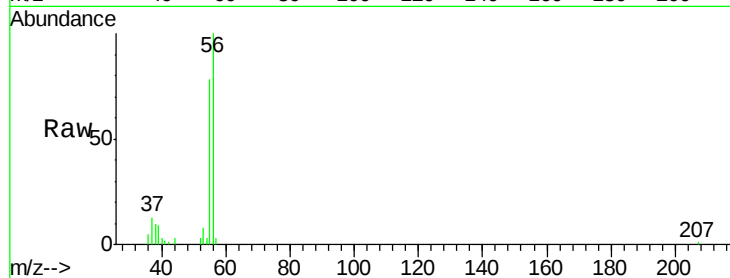
55 73.7 56.9 85.3

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#14

Allyl chloride

Concen: 45.776 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

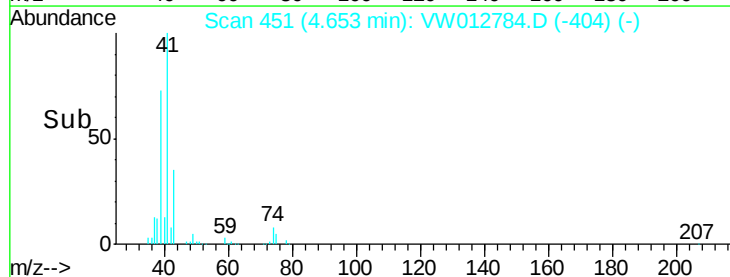
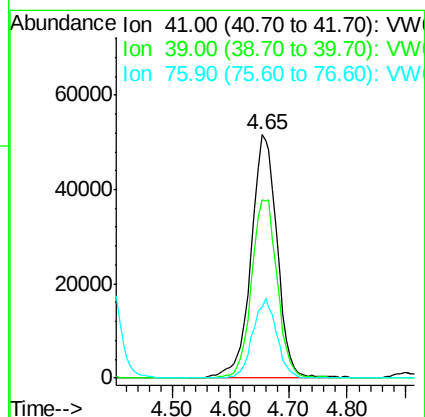
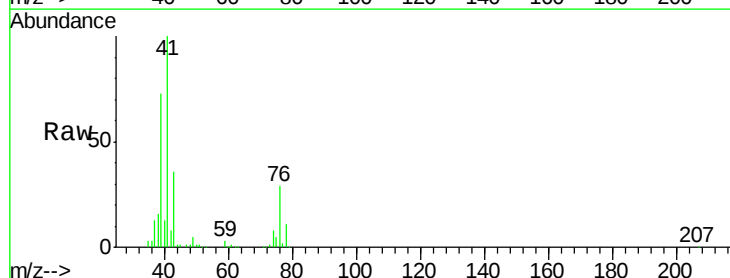
Tgt Ion: 41 Resp: 159679

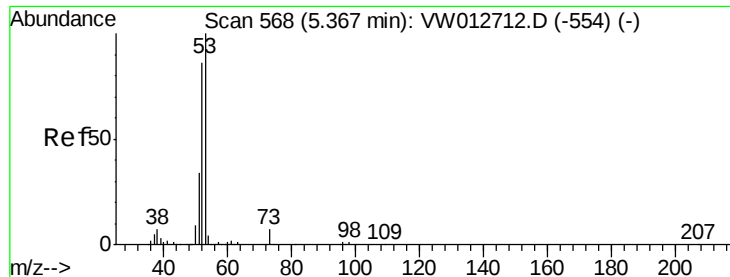
Ion Ratio Lower Upper

41 100

39 72.5 55.0 82.6

76 29.9 23.0 34.4





#15

Acrylonitrile

Concen: 207.710 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Instrument :

MSVOA_W

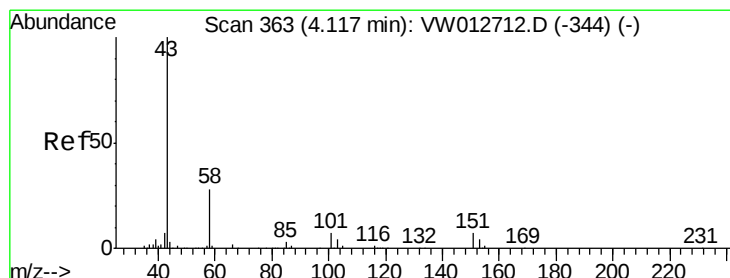
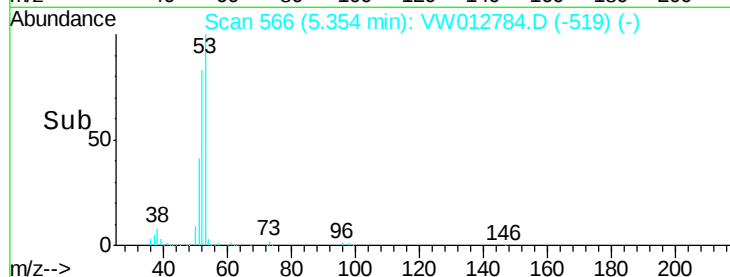
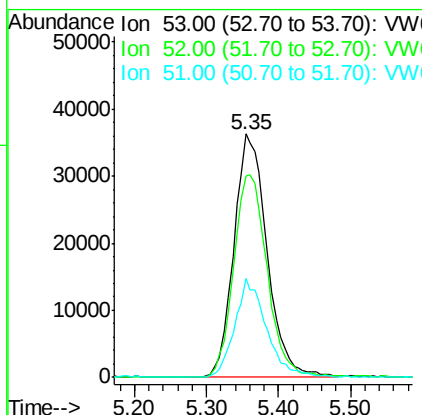
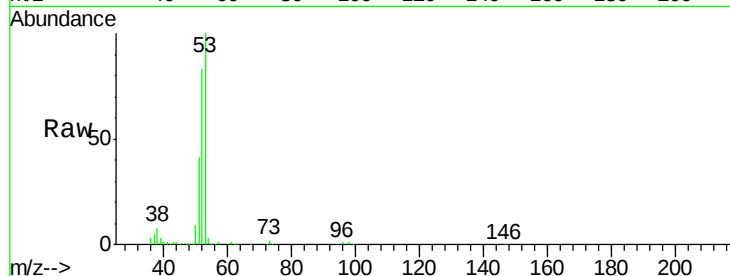
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	116065
Ion Ratio	Lower	Upper	
53	100		
52	84.0	67.0	100.4
51	38.8	29.8	44.8

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#16

Acetone

Concen: 176.622 ug/l

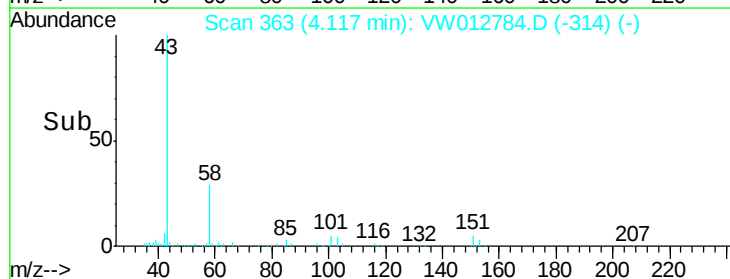
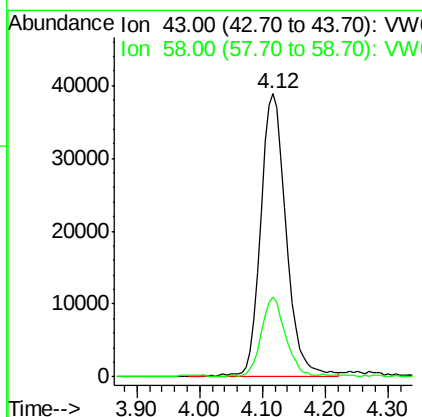
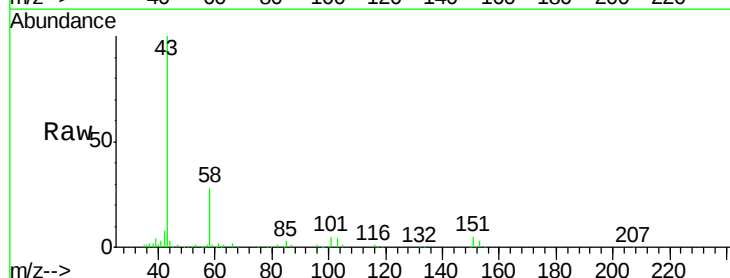
RT: 4.12 min Scan# 363

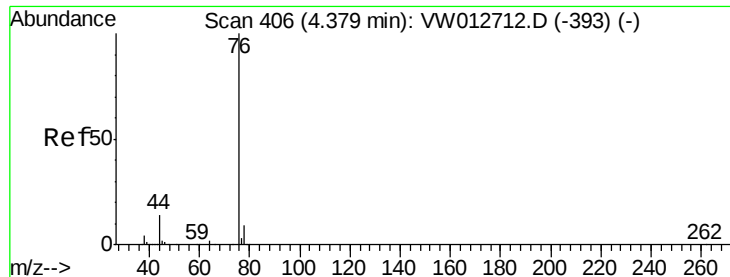
Delta R.T. 0.00 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Tgt Ion:	43	Resp:	109855
Ion Ratio	Lower	Upper	
43	100		
58	27.7	22.6	33.8





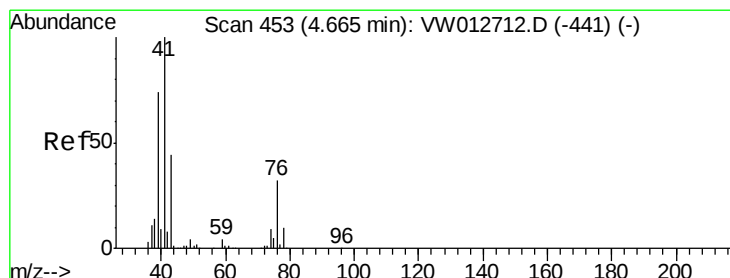
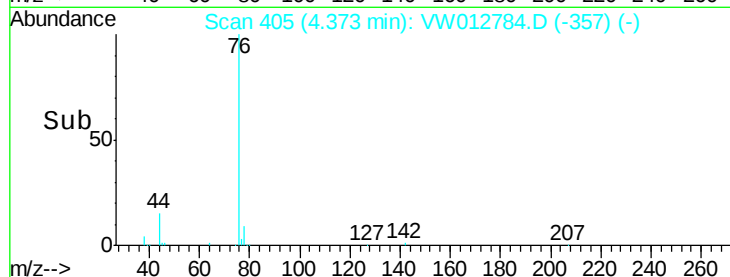
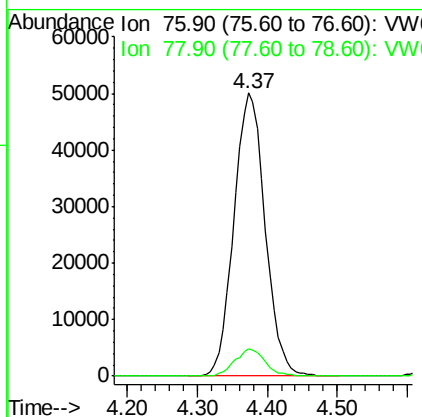
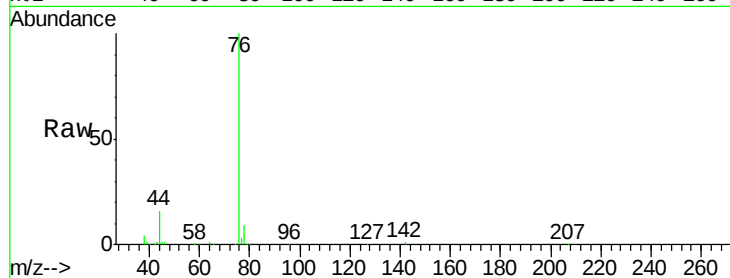
#17
Carbon Disulfide
Concen: 43.354 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.2	10.8

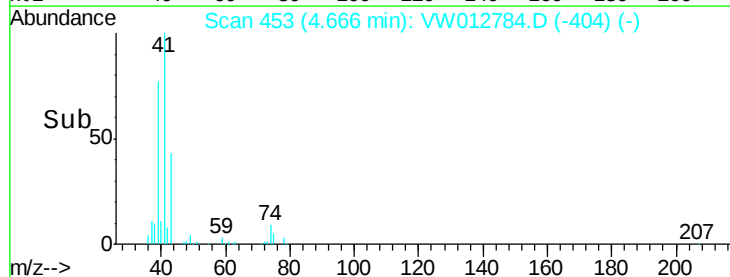
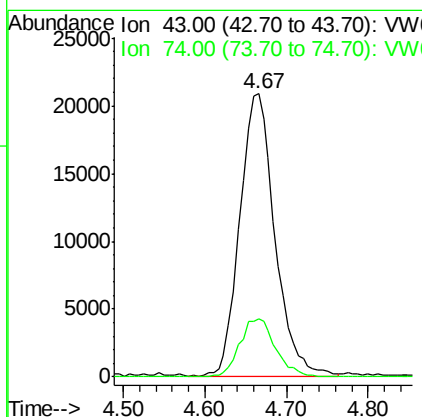
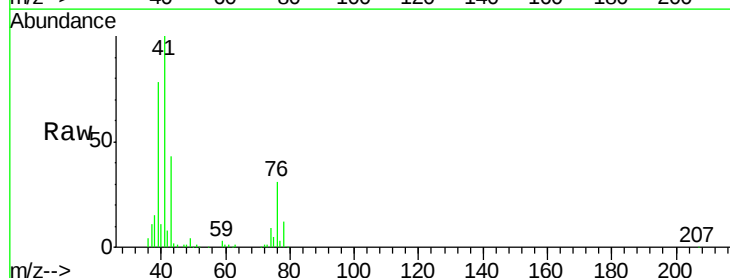
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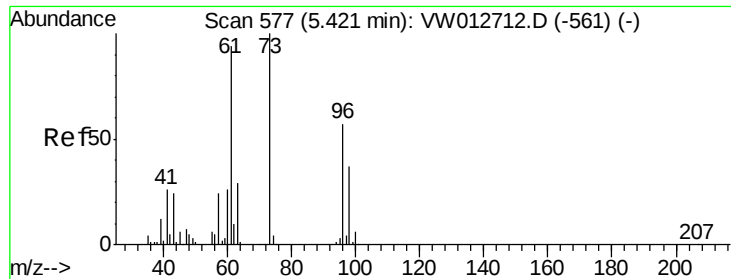
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#18
Methyl Acetate
Concen: 43.028 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	15.8	23.6





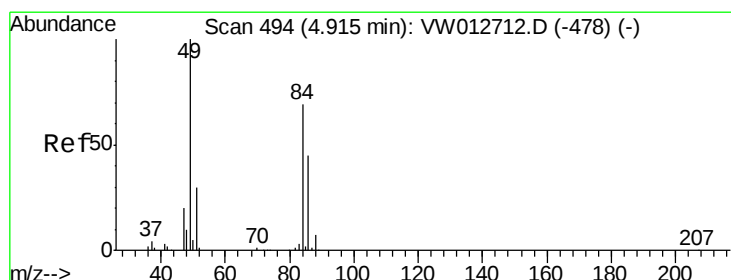
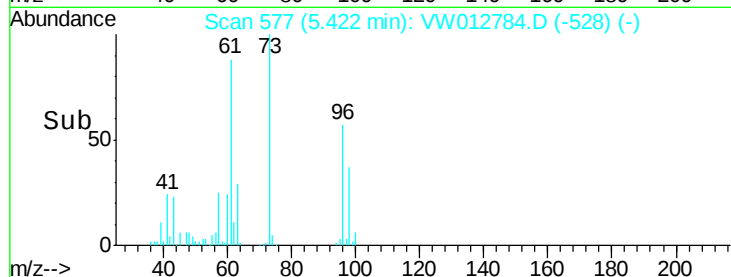
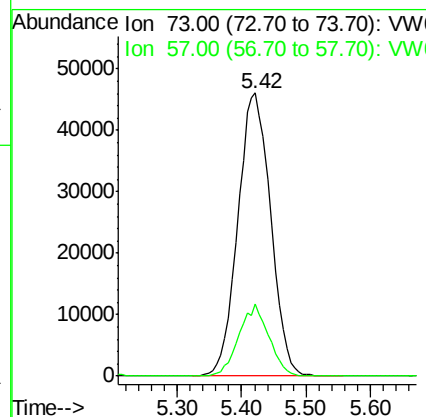
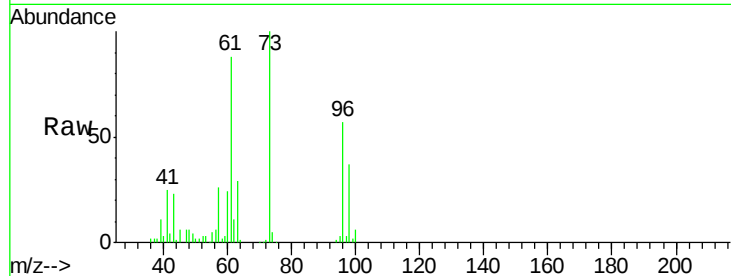
#19
Methvl tert-butvl Ether
Concen: 48.497 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 162184
Ion Ratio Lower Upper
73 100
57 25.6 19.2 28.8

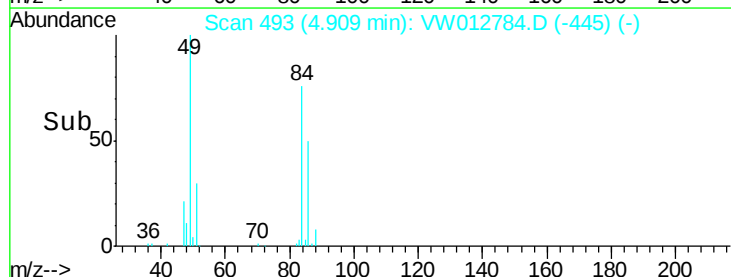
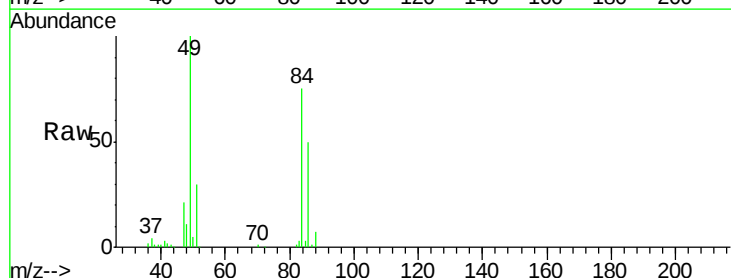
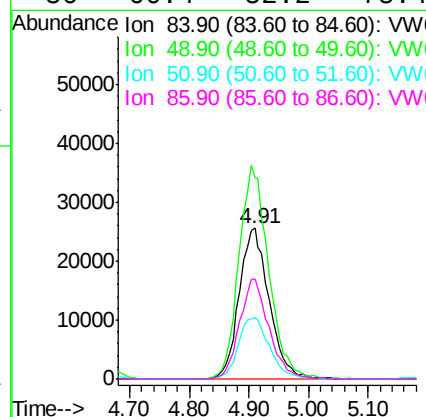
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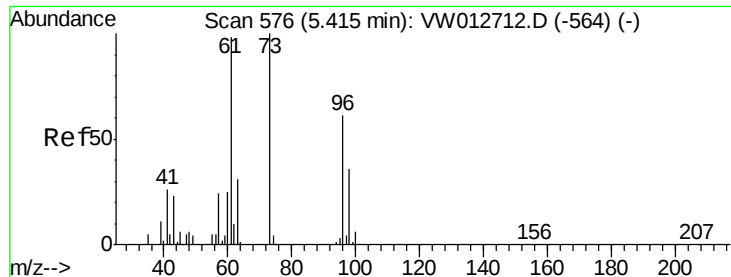
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#20
Methylene Chloride
Concen: 45.956 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion: 84 Resp: 89425
Ion Ratio Lower Upper
84 100
49 133.1 115.4 173.0
51 40.5 34.9 52.3
86 66.4 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 50.453 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 86809

Ion Ratio Lower Upper

96 100

61 148.2 129.2 193.8

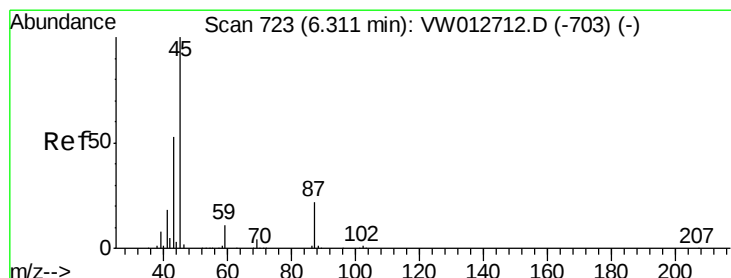
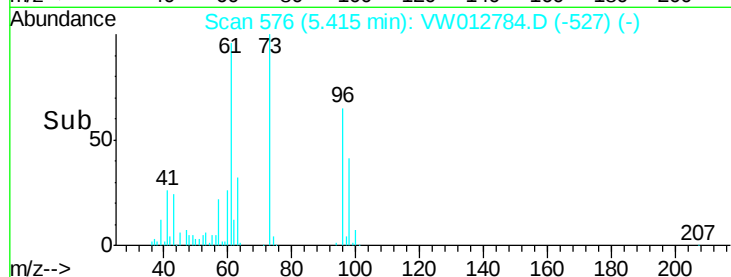
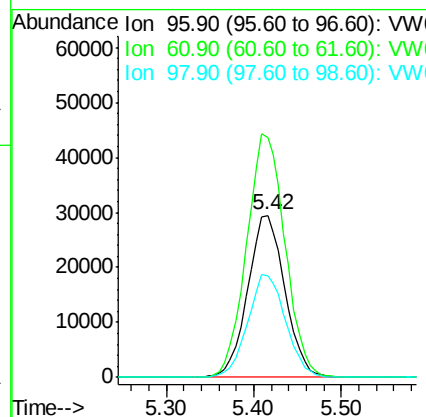
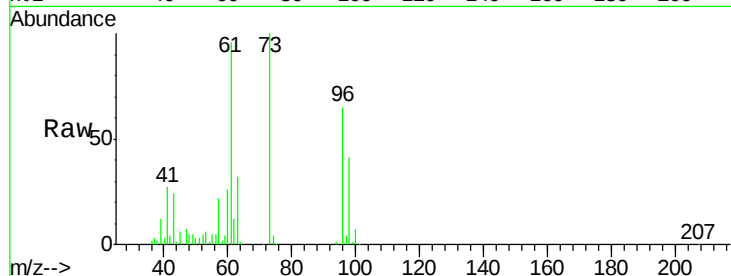
98 62.4 48.0 72.0

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#22

Diisopropyl ether

Concen: 49.161 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Tgt Ion: 45 Resp: 340120

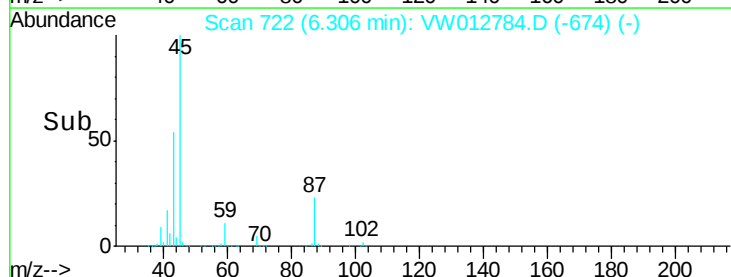
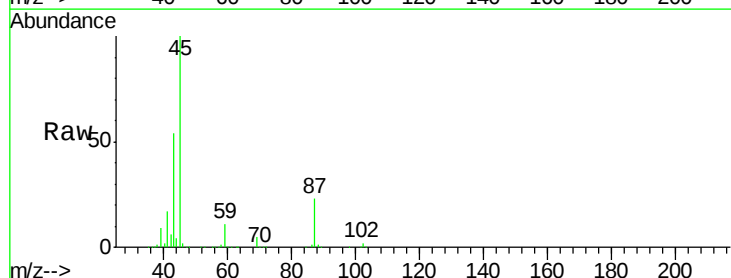
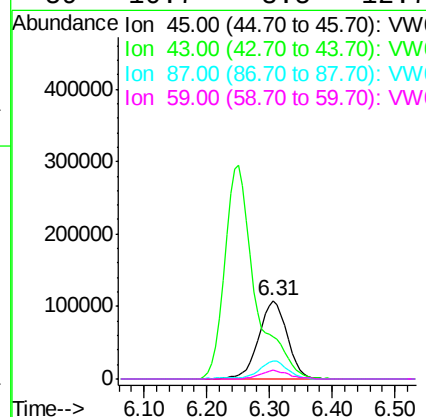
Ion Ratio Lower Upper

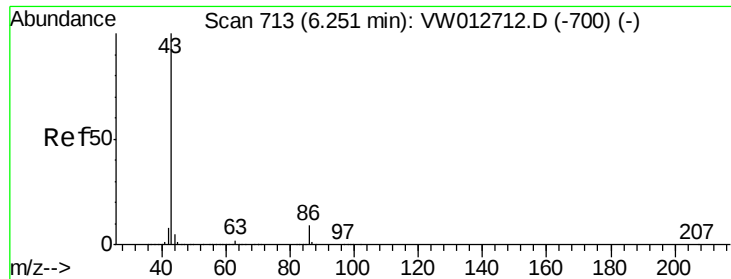
45 100

43 54.2 42.3 63.5

87 23.3 18.2 27.2

59 10.7 8.5 12.7





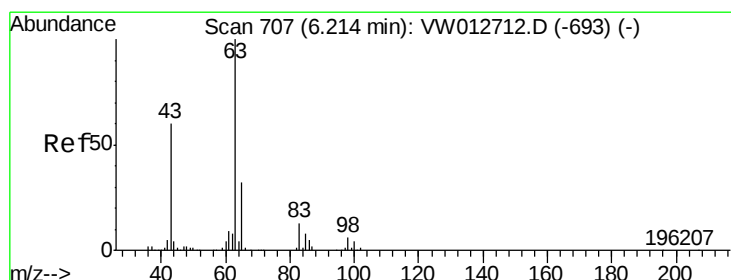
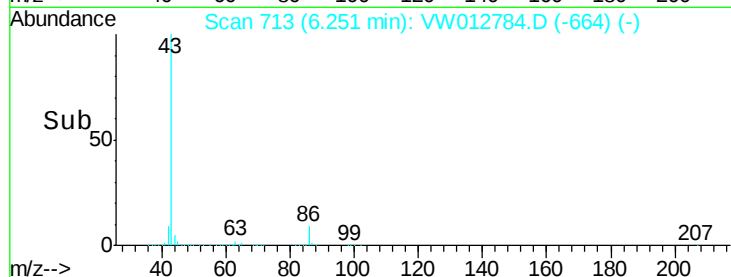
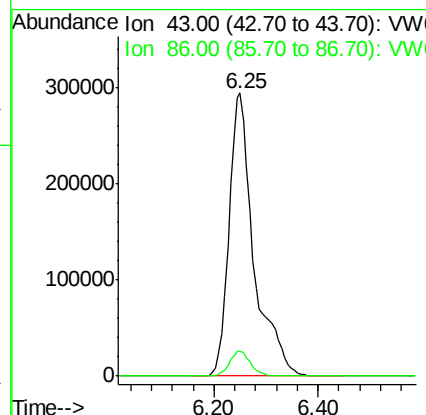
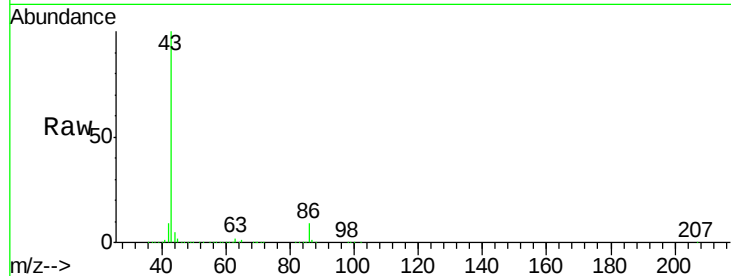
#23
 Vinyl Acetate
 Concen: 224.384 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	983825
Ion Ratio	Lower	Upper	
43	100		
86	8.8	7.0	10.6

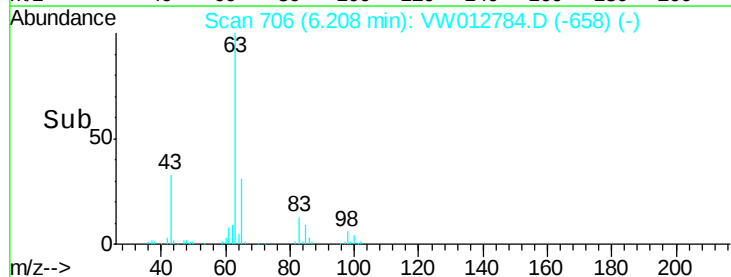
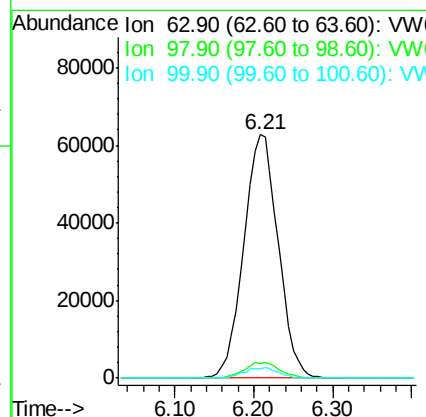
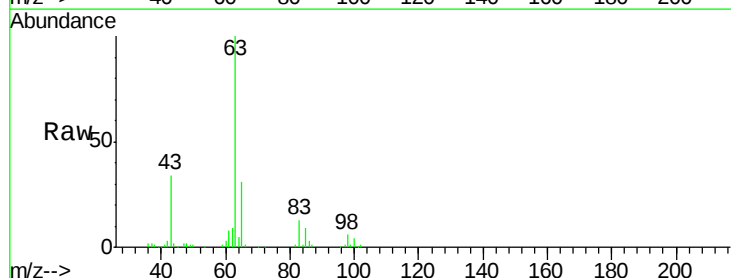
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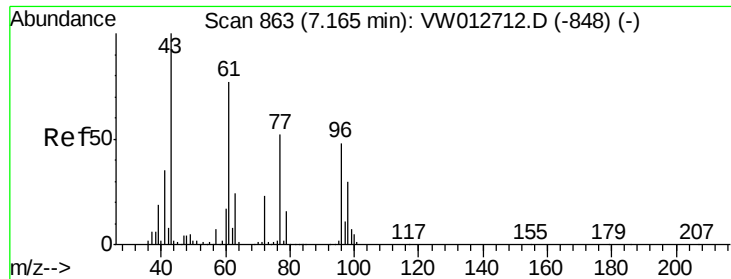
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#24
 1,1-Dichloroethane
 Concen: 51.070 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Tgt Ion	63	Resp	190245
Ion Ratio	Lower	Upper	
63	100		
98	5.8	3.1	9.3
100	3.7	1.8	5.5





#25

2-Butanone

Concen: 182.724 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 162076

Ion Ratio Lower Upper

43 100

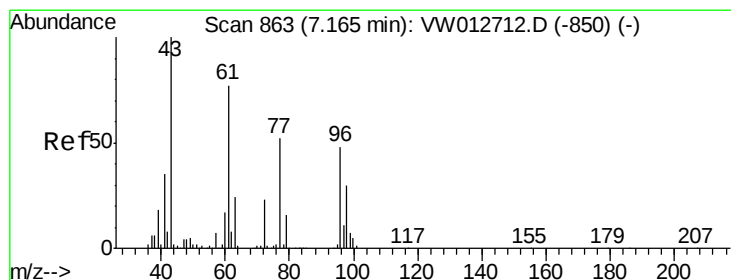
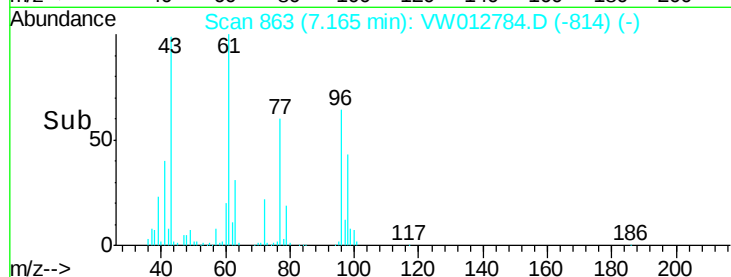
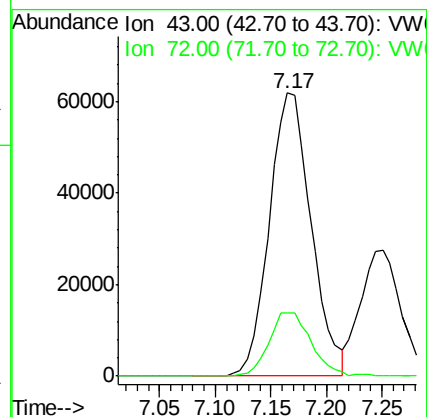
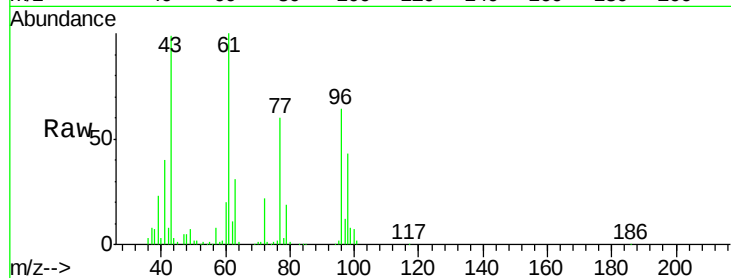
72 22.5 18.0 27.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.987 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012784.D

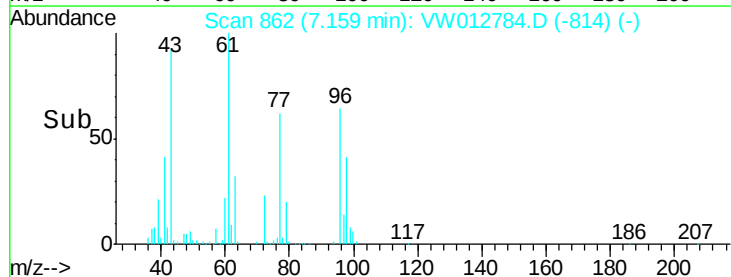
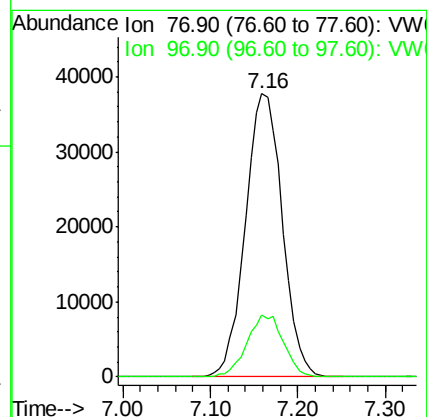
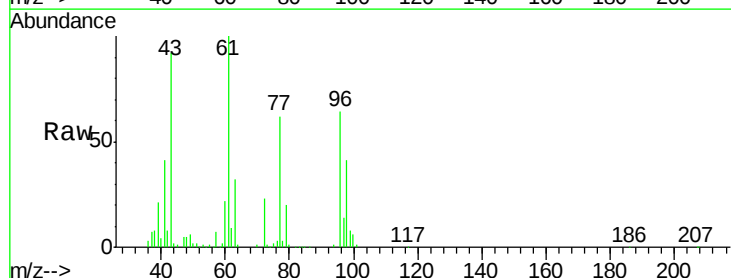
Acq: 08 Sep 2019 21:34

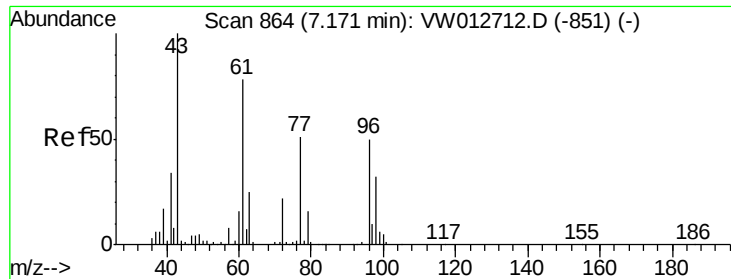
Tgt Ion: 77 Resp: 110551

Ion Ratio Lower Upper

77 100

97 21.6 10.7 32.1





#27

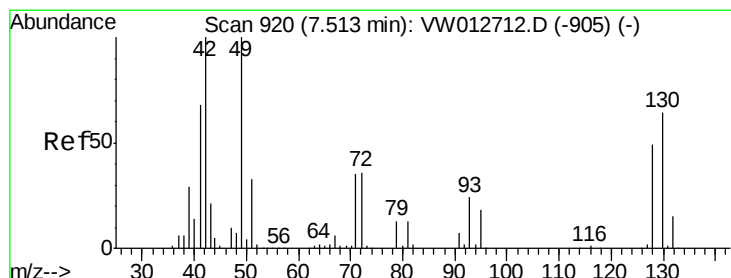
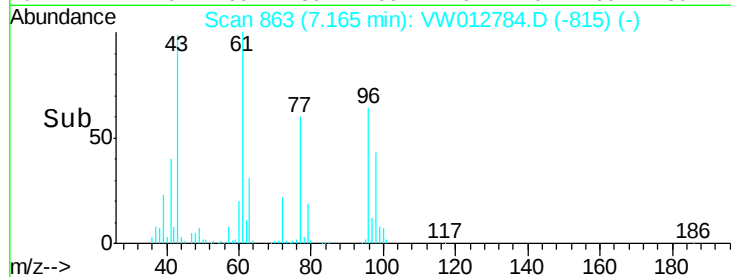
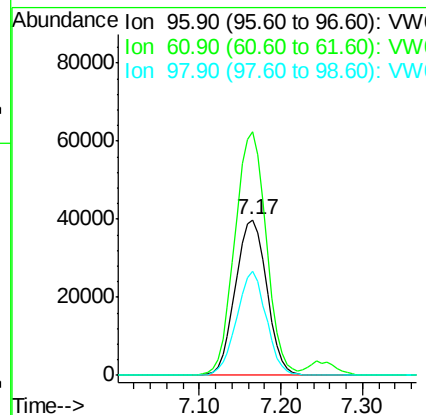
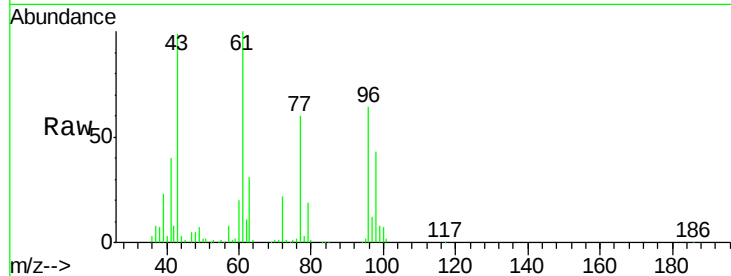
cis-1,2-Dichloroethene
 Concen: 53.208 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.7	0.0	325.8
98	62.9	0.0	127.0

Manual Integrations
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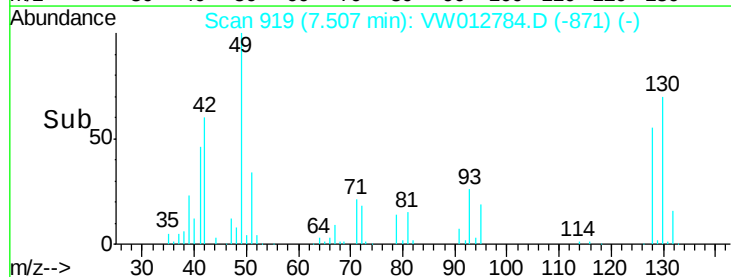
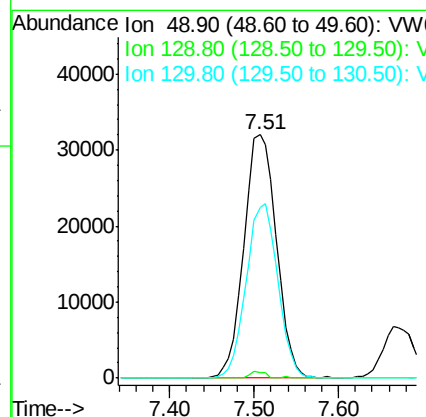
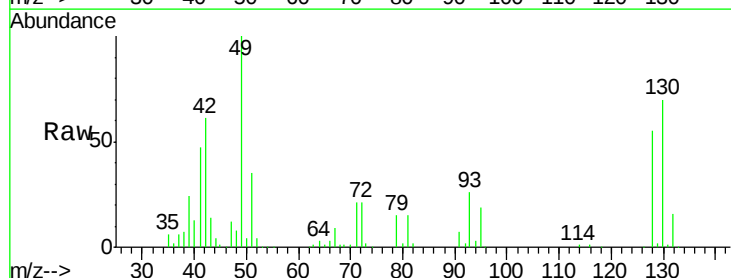
MMDadoda
 9/9/2019 11:25:06 AM



#28

Bromochloromethane
 Concen: 48.722 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	0.8#
130	69.9	49.8	74.8





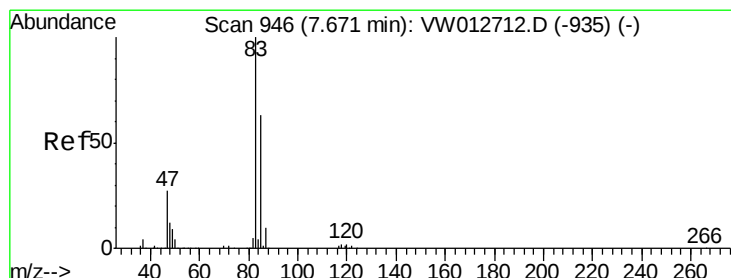
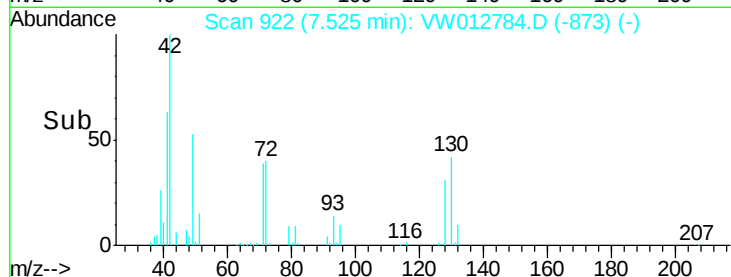
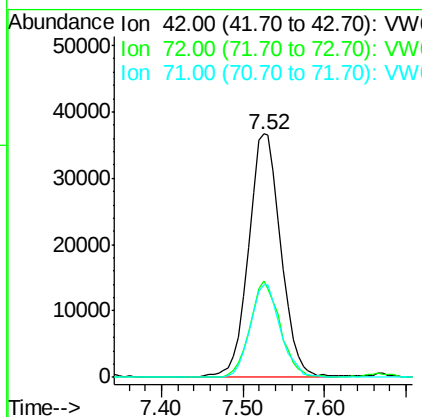
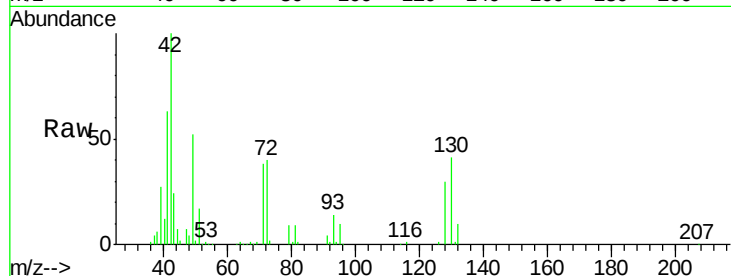
#29
Tetrahydrofuran
Concen: 201.641 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	28.4	42.6
71	35.9	27.1	40.7

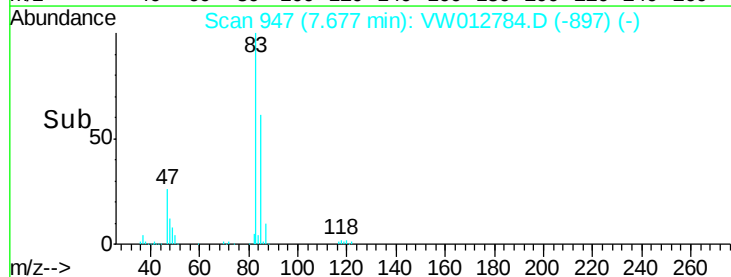
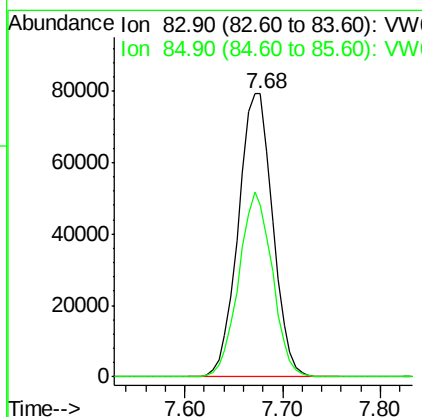
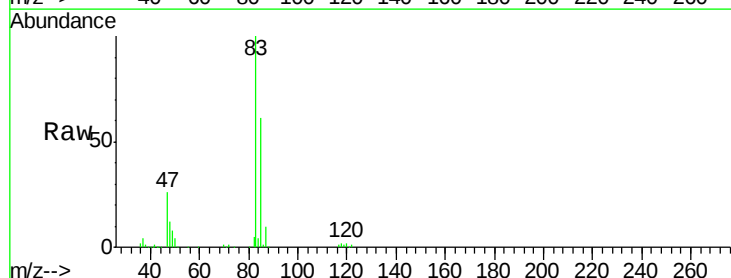
Manual Integrations
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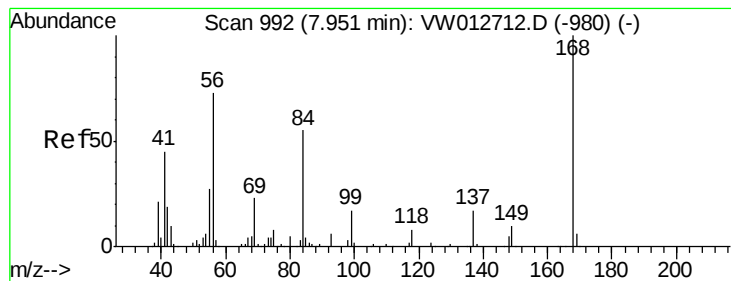
MMDadoda
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#30
Chloroform
Concen: 52.484 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	50.6	76.0





#31

Cyclohexane

Concen: 43.806 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Instrument :

MSVOA_W

ClientSampleId :

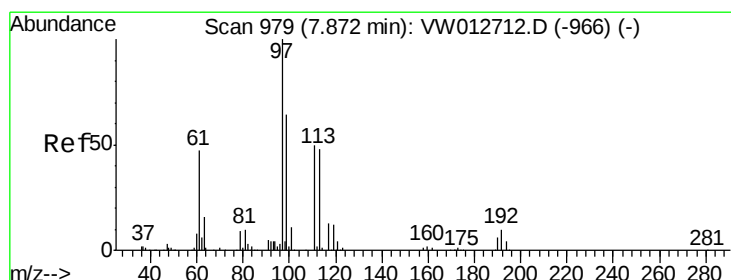
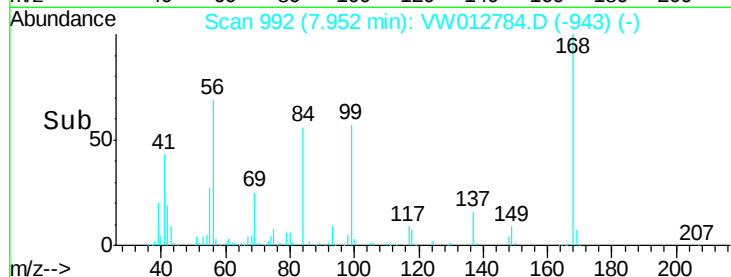
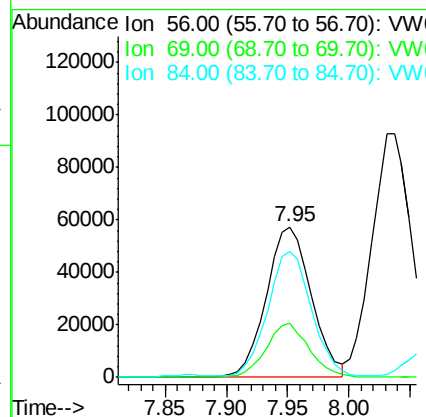
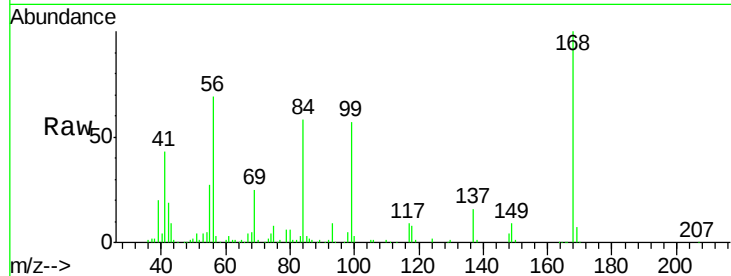
VSTDCCC050EC

Tot Ion: 56 Resp: 146912

Ion	Ratio	Lower	Upper
56	100		
69	35.9	25.7	38.5
84	82.3	60.4	90.6

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#32

1,1,1-Trichloroethane

Concen: 52.534 ug/l

RT: 7.87 min Scan# 979

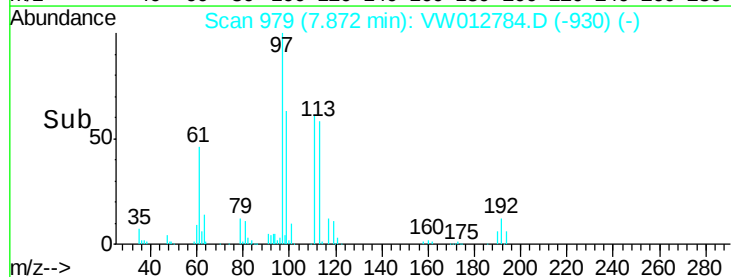
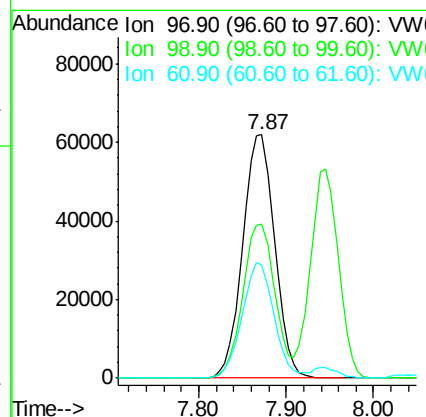
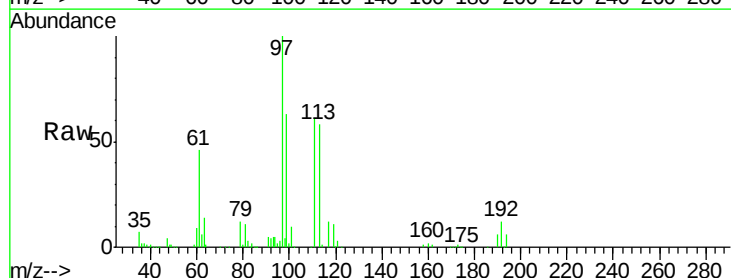
Delta R.T. 0.00 min

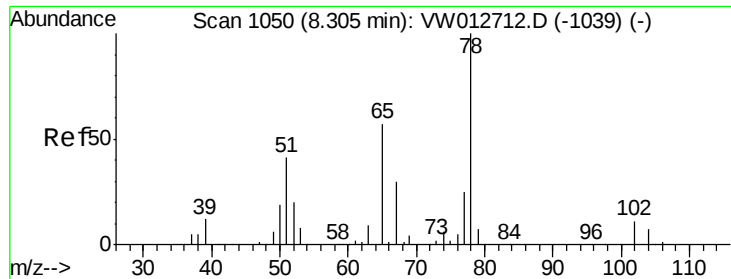
Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Tgt Ion: 97 Resp: 157215

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	47.1	37.9	56.9





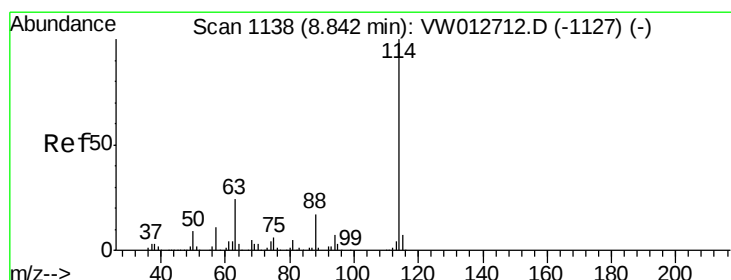
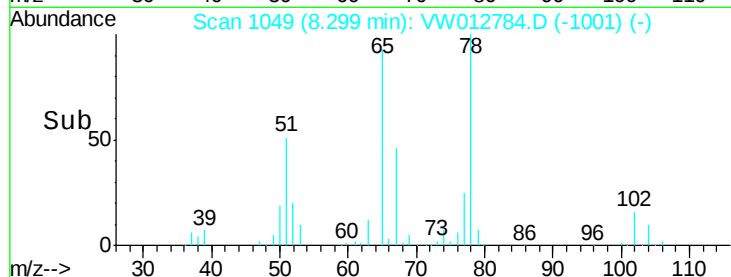
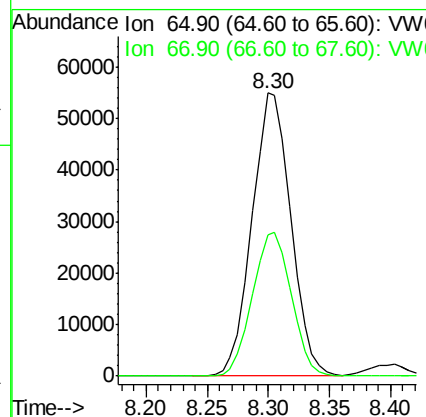
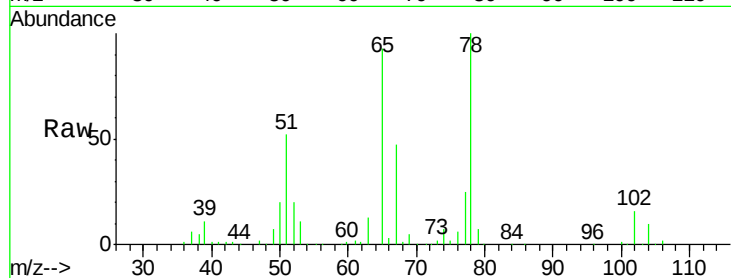
#33
 1,2-Dichloroethane-d4
 Concen: 53.212 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	121402		
67	51.1	0.0	101.8	

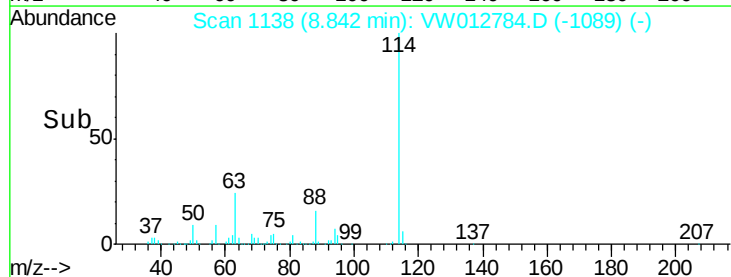
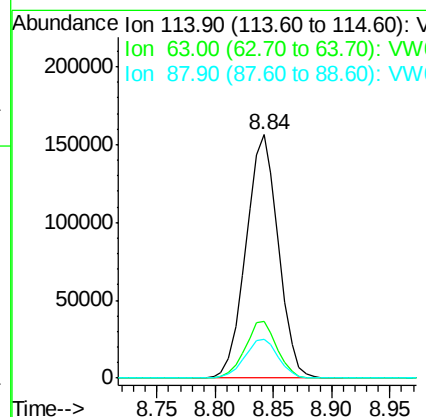
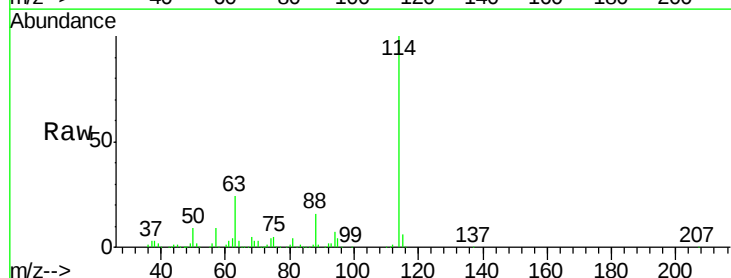
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	302139		
63	23.6	0.0	47.2	
88	16.0	0.0	34.0	





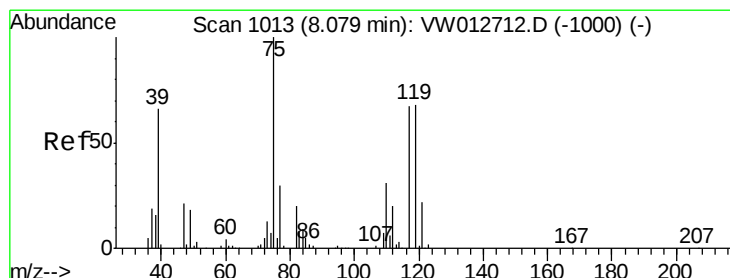
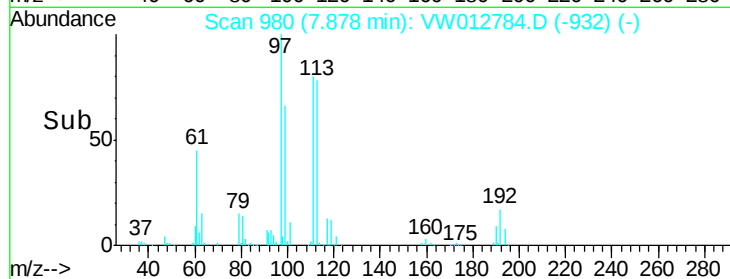
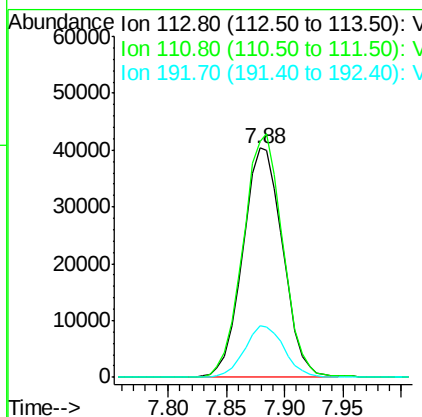
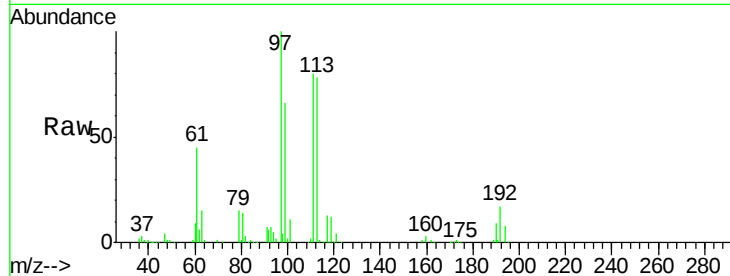
#35
 Dibromofluoromethane
 Concen: 53.919 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.3	80.2	120.4
192	22.2	17.3	25.9

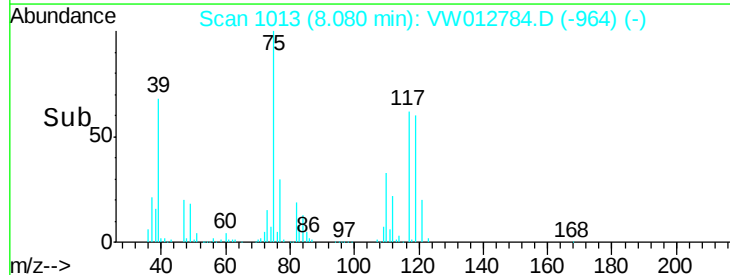
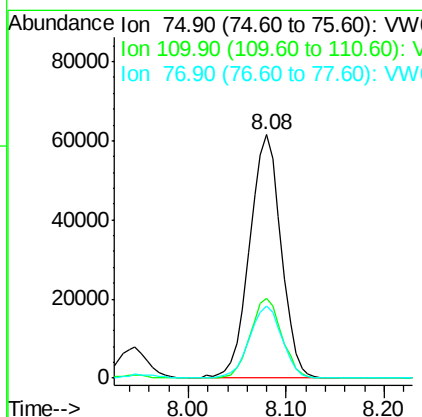
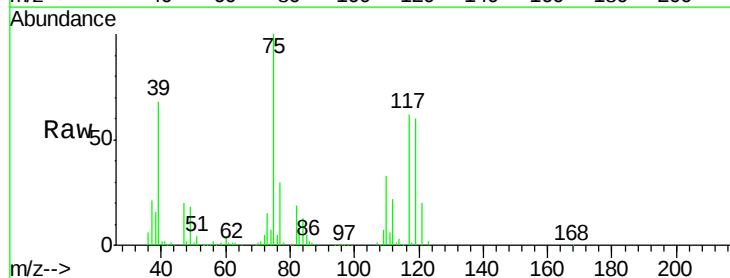
Manual Integrations
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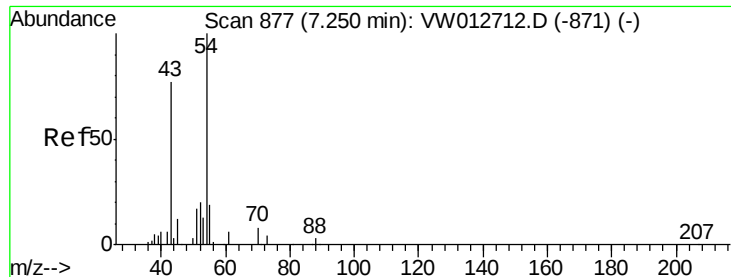
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#36
 1,1-Dichloropropene
 Concen: 51.161 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.8	15.9	47.7
77	30.7	25.0	37.4





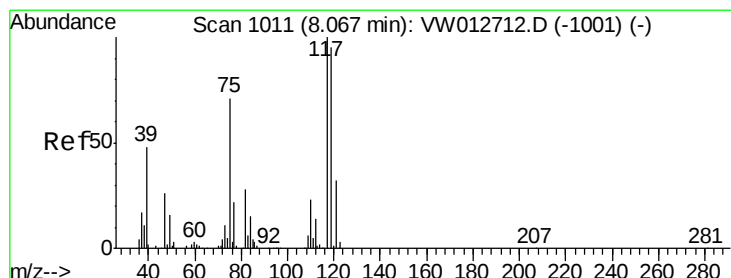
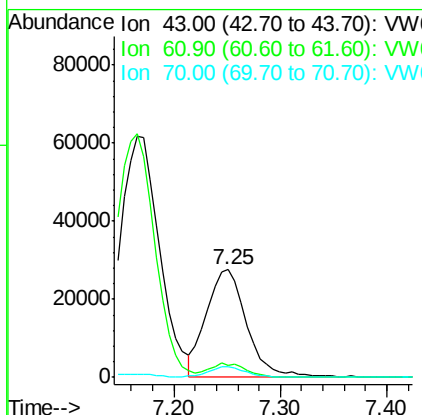
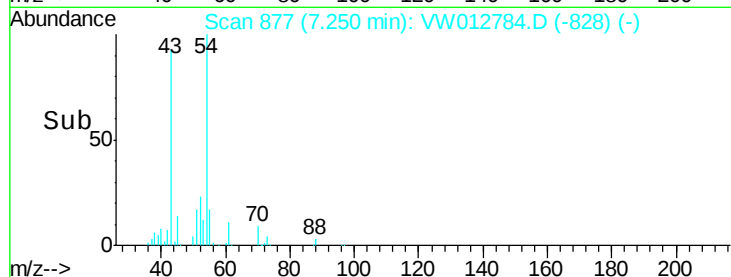
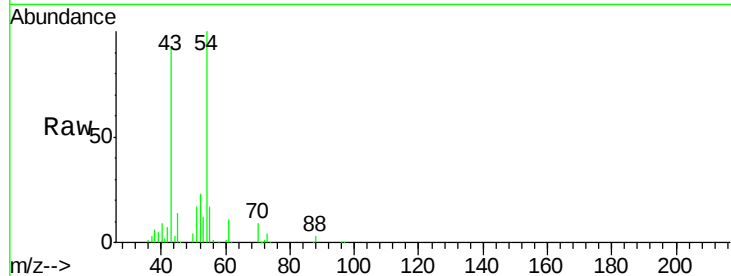
#37
Ethyl Acetate
Concen: 41.759 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.5	14.3
70	9.4	7.0	10.6

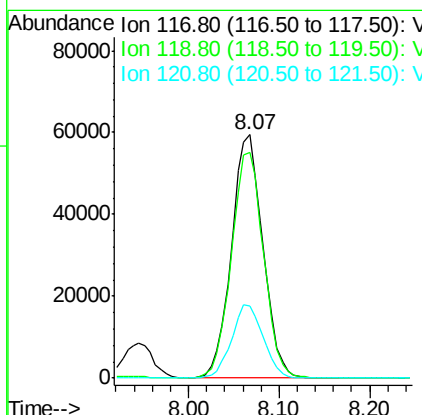
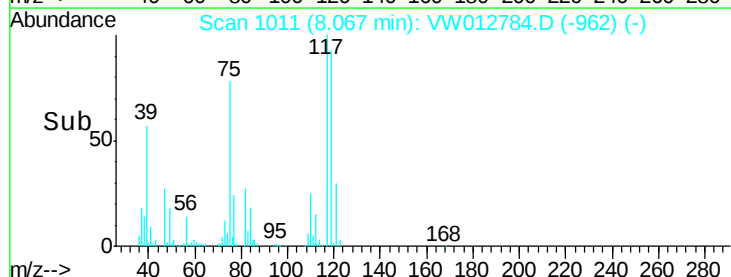
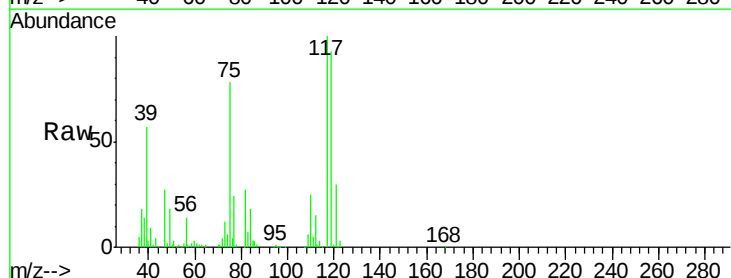
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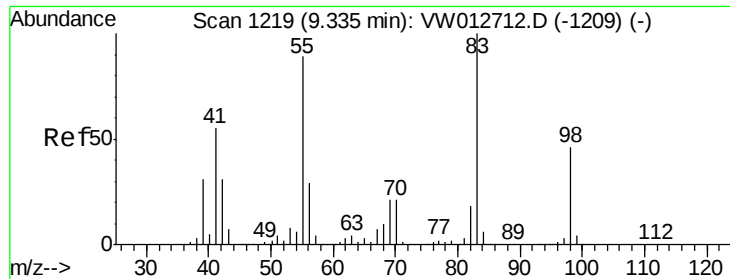
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#38
Carbon Tetrachloride
Concen: 54.276 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.2	114.2
121	29.8	25.4	38.2





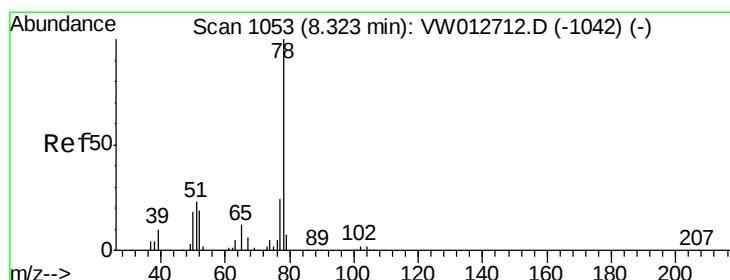
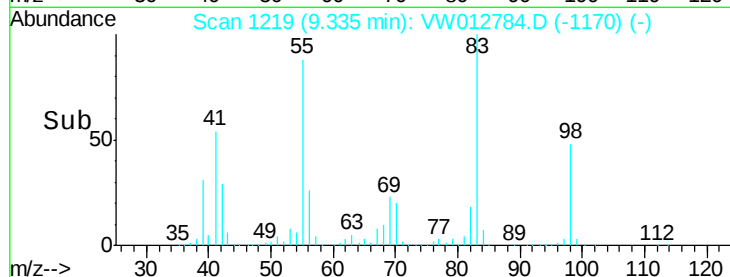
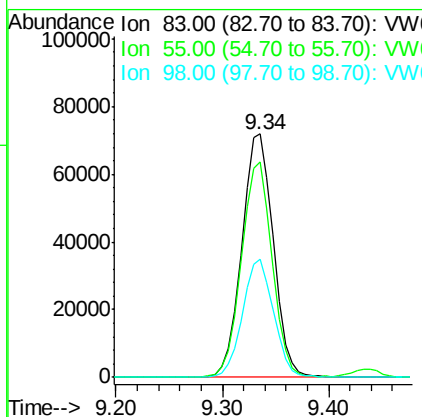
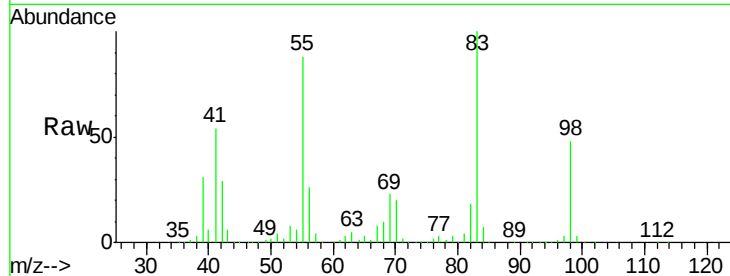
#39
Methvlcvclohexane
Concen: 49.575 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	149477		
55	88.3	71.0	106.4	
98	48.4	36.9	55.3	

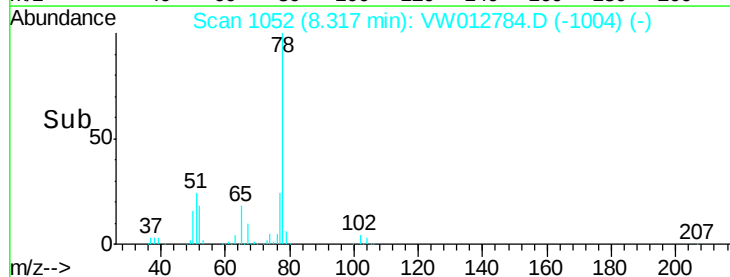
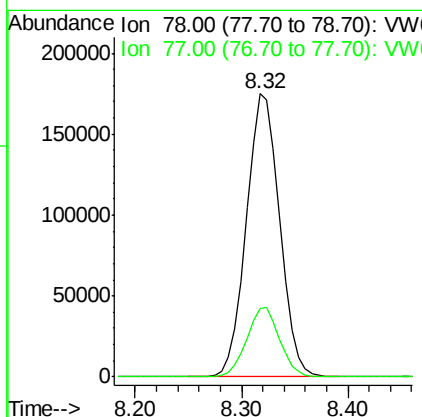
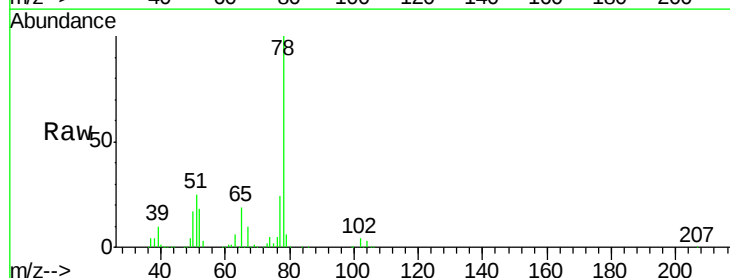
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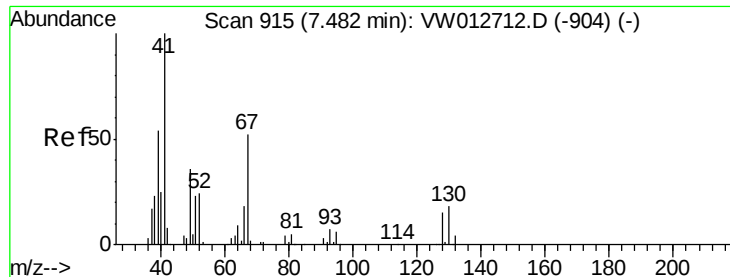
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#40
Benzene
Concen: 51.634 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	384593		
77	24.3	19.3	28.9	





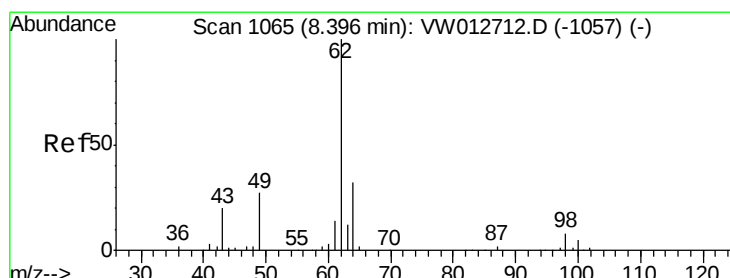
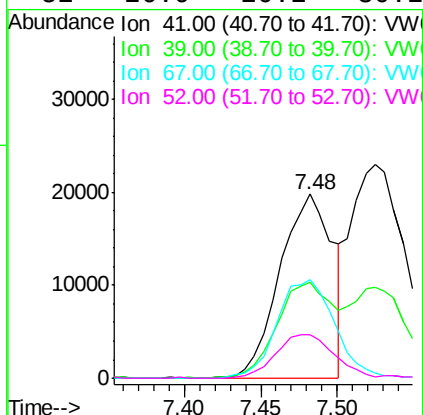
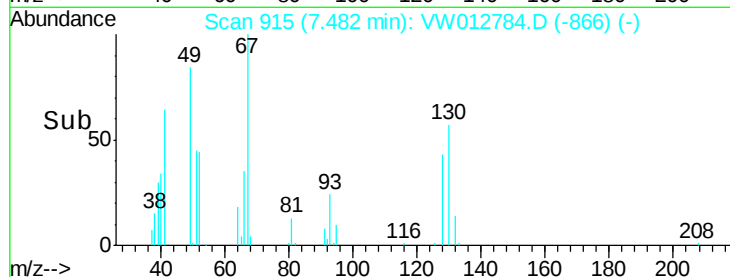
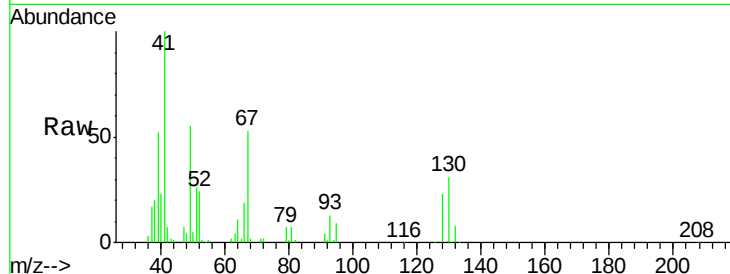
#41
Methacrylonitrile
Concen: 41.407 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.0	47.5	71.3
67	58.7	45.1	67.7
52	26.9	20.2	30.2

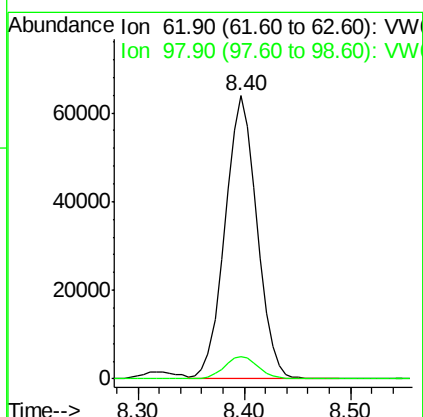
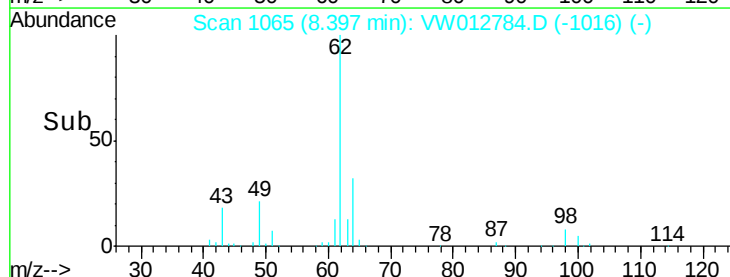
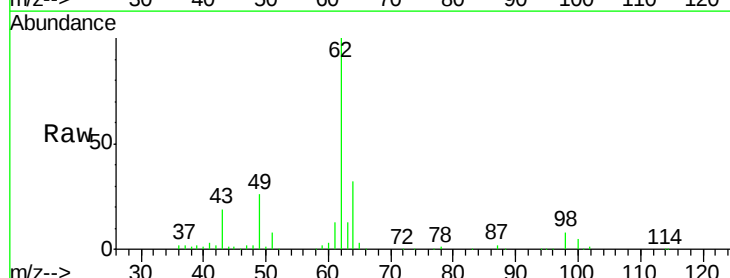
Manual Integrations
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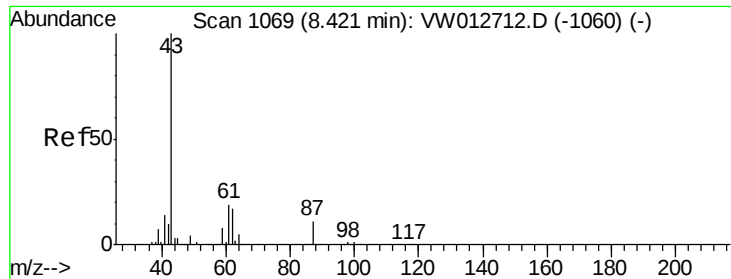
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#42
1,2-Dichloroethane
Concen: 51.156 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.2





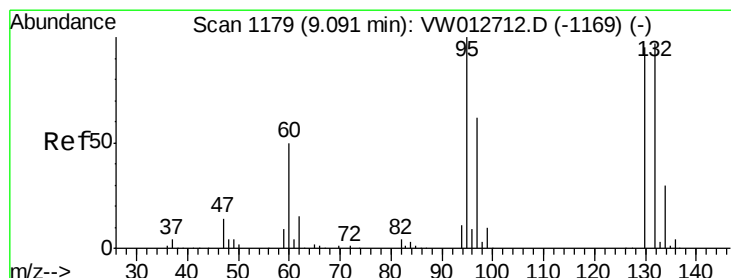
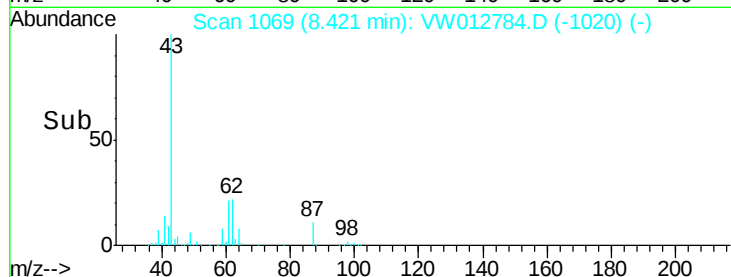
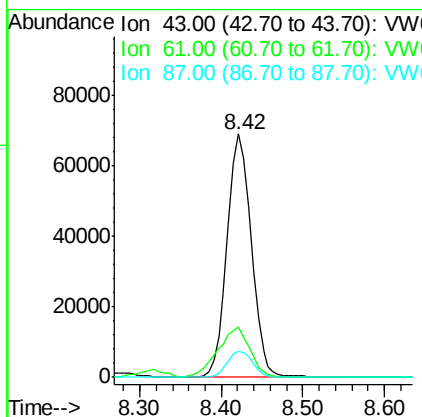
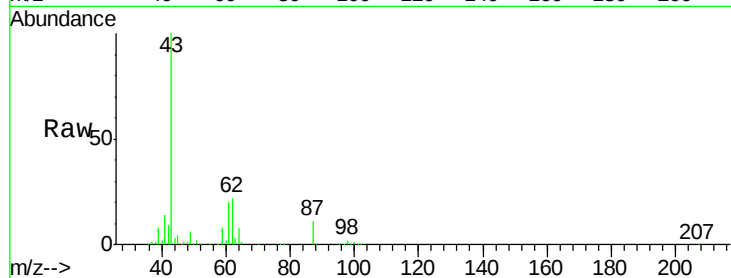
#43
Isopropyl Acetate
Concen: 43.866 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	142224
Ion Ratio	100	Lower	Upper
43	100		
61	27.1	20.6	30.8
87	11.1	8.6	13.0

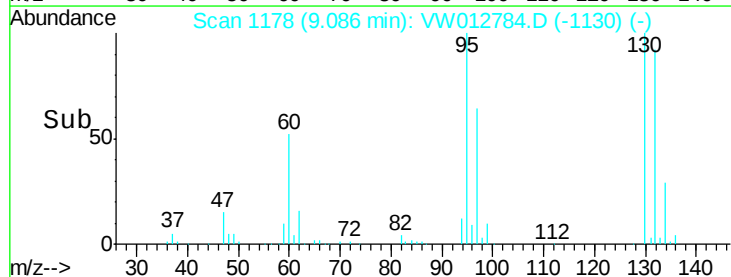
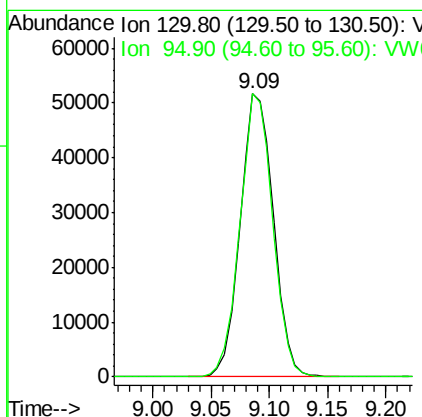
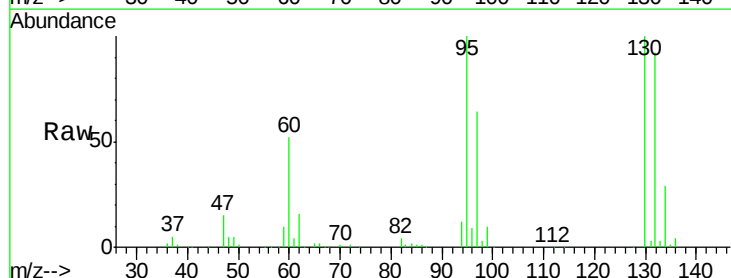
Manual Integrations
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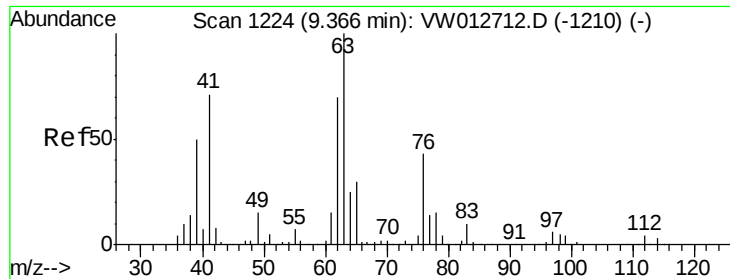
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#44
Trichloroethene
Concen: 53.581 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion	130	Resp	102875
Ion Ratio	100	Lower	Upper
130	100		
95	99.9	0.0	210.6





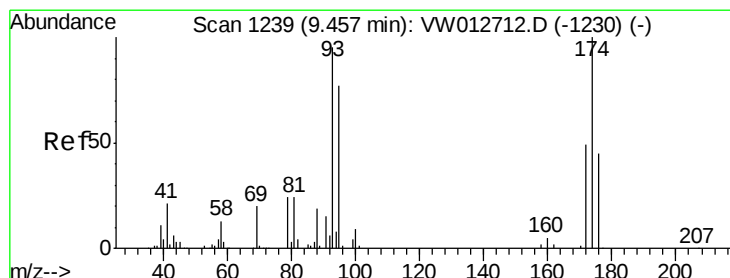
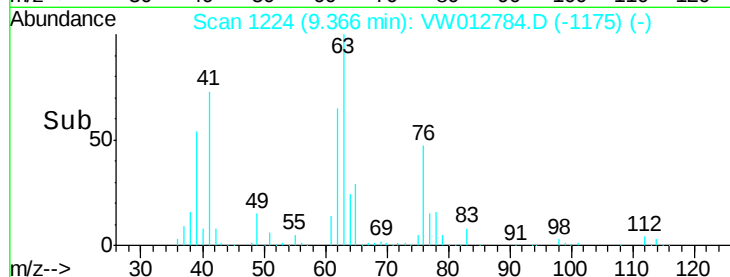
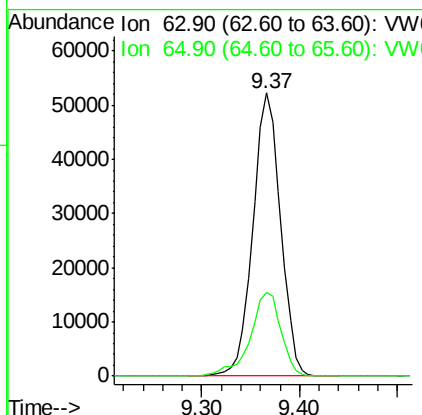
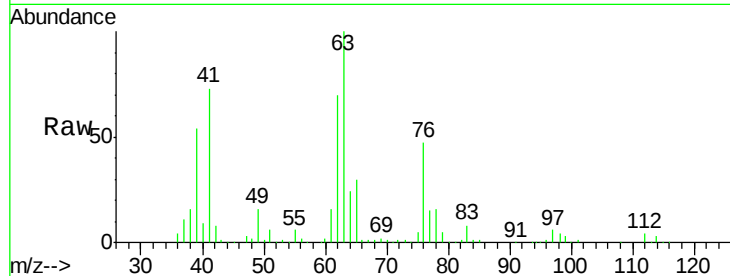
#45
 1,2-Dichloropropane
 Concen: 49.648 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 102564
 Ion Ratio Lower Upper
 63 100
 65 29.5 23.8 35.8

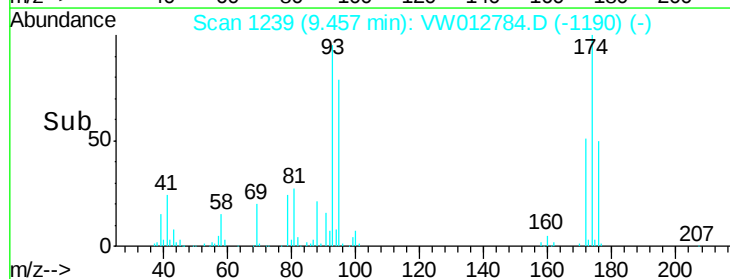
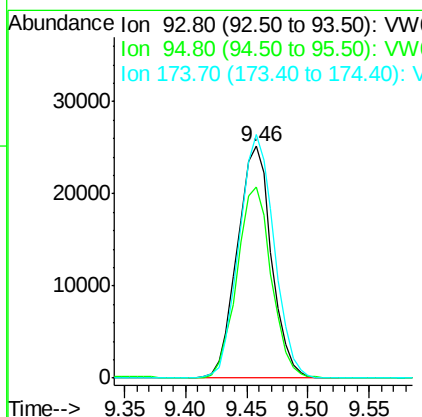
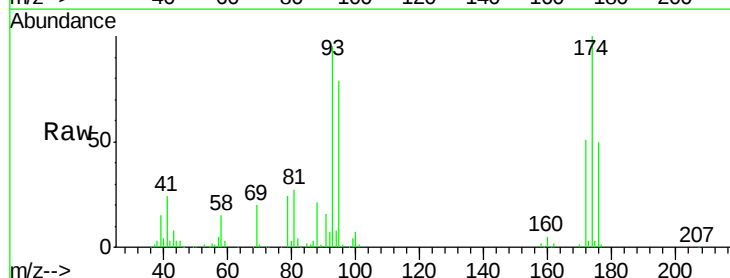
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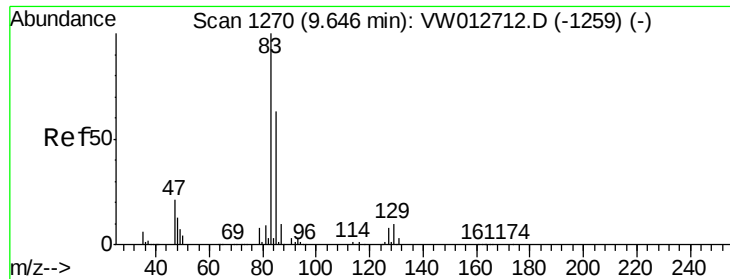
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#46
 Dibromomethane
 Concen: 50.038 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Tgt Ion: 93 Resp: 48950
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.2 97.8
 174 107.5 84.2 126.4





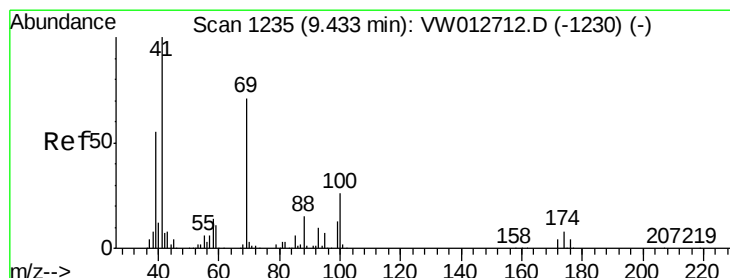
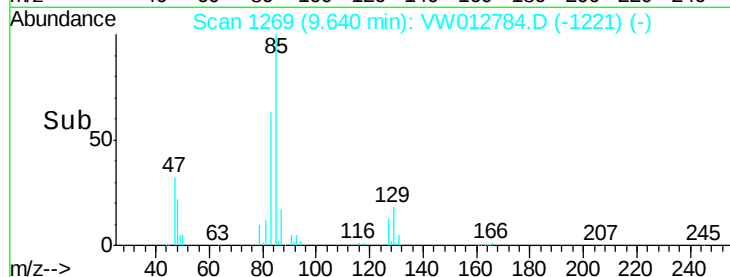
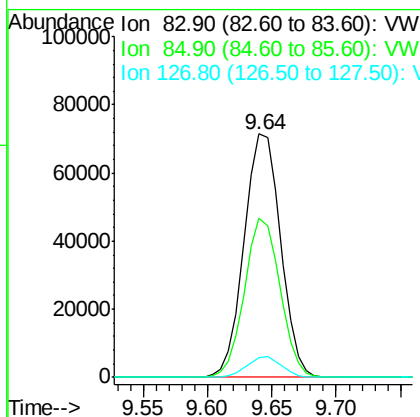
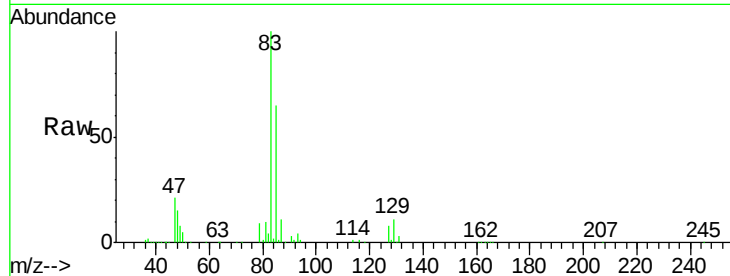
#47
Bromodichloromethane
Concen: 52.076 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	140158
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	50.2	75.2
127	8.2	6.6	9.8

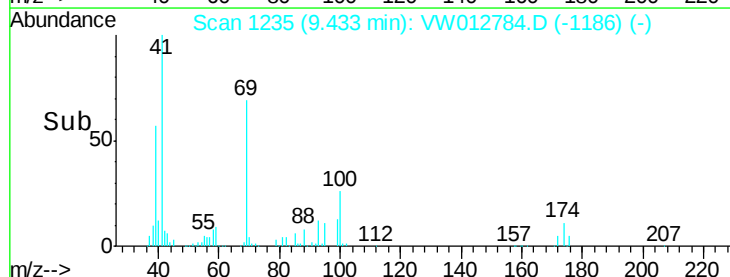
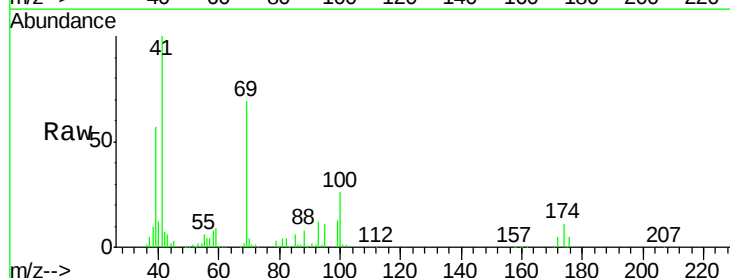
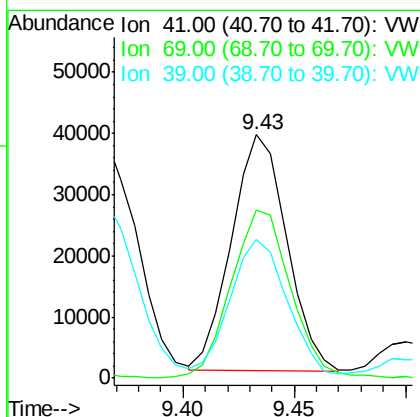
Manual Integrations
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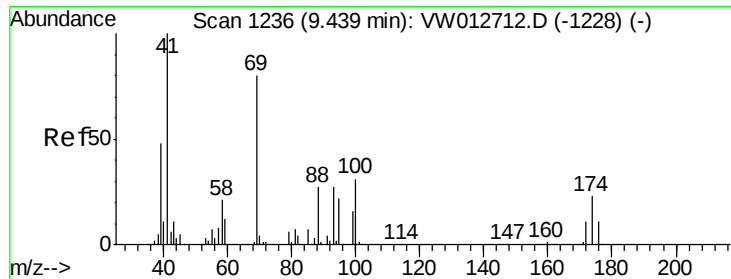
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#48
Methyl methacrylate
Concen: 43.096 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion	41	Resp	66775
Ion Ratio	100	Lower	Upper
41	100		
69	77.4	59.8	89.8
39	61.6	47.0	70.6





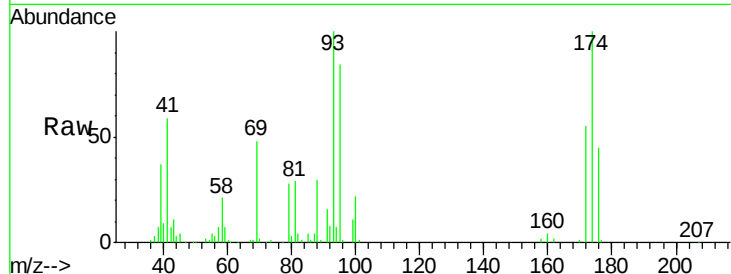
#49
1,4-Dioxane
Concen: 787.286 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

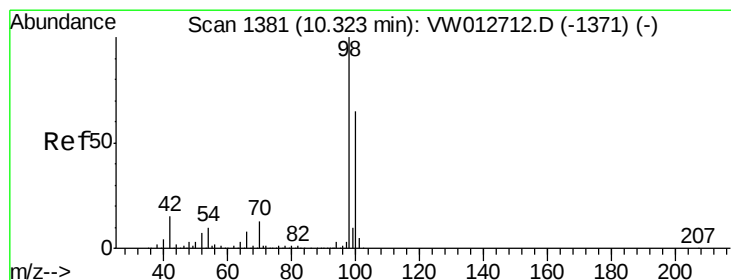
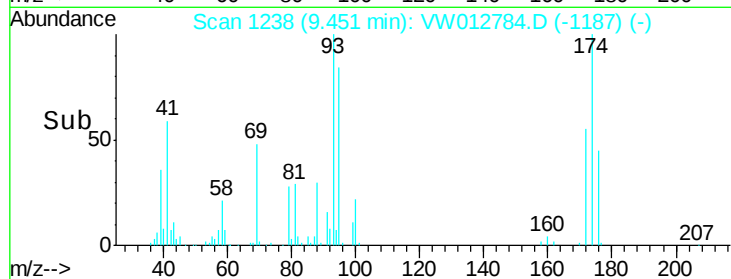
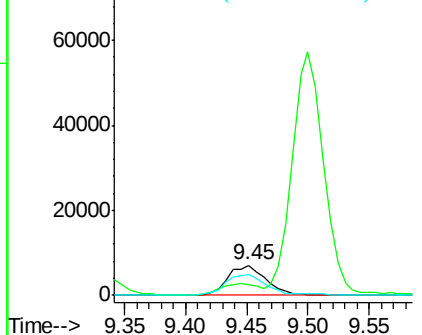
Tot Ion	88	Resp	15213
Ion Ratio	Lower	Upper	
88	100		
43	39.5	34.8	52.2
58	77.6	64.1	96.1

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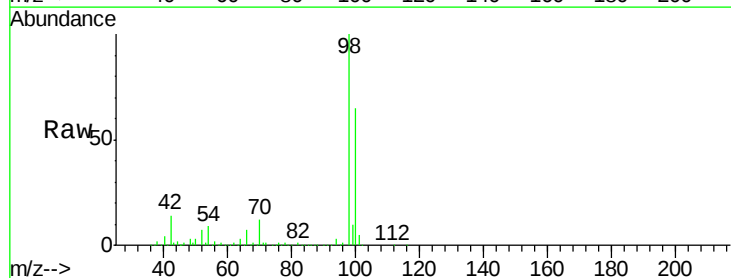


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

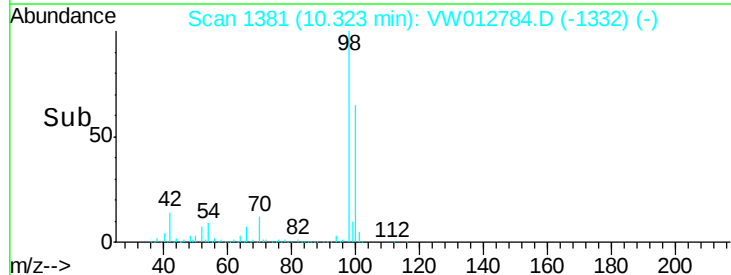
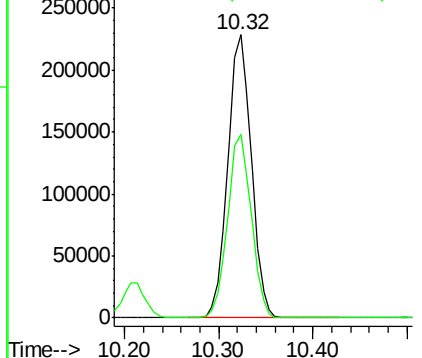


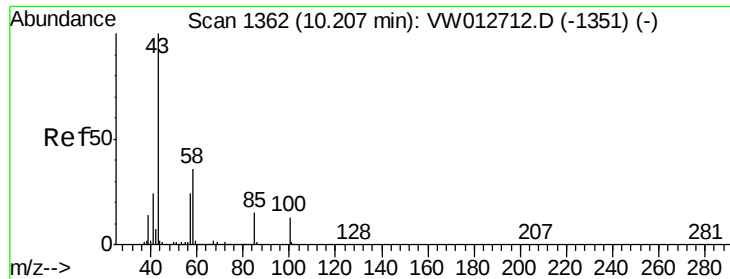
#50
Toluene-d8
Concen: 56.321 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion	98	Resp	396360
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.2	78.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





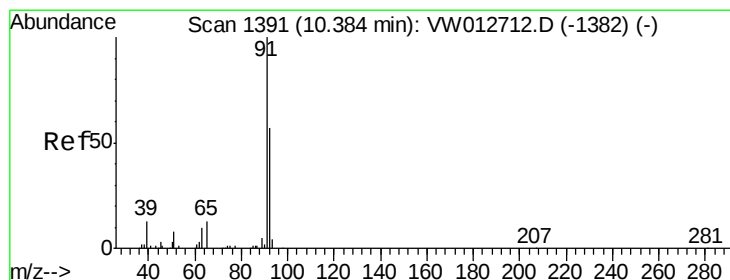
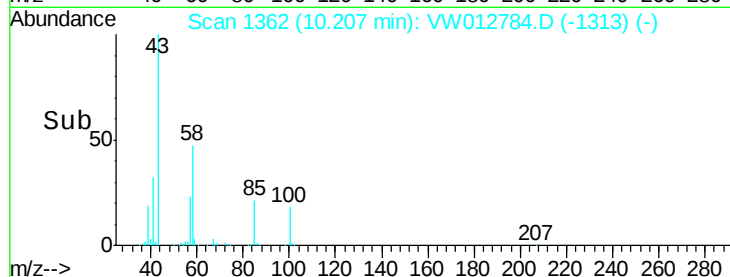
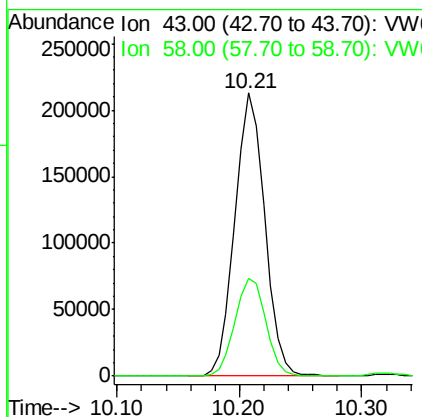
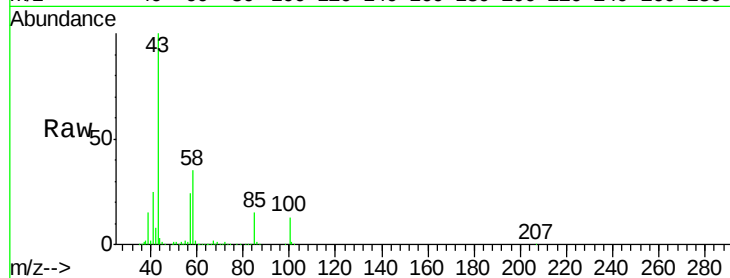
#51
4-Methyl-2-Pentanone
Concen: 211.724 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.4	42.6

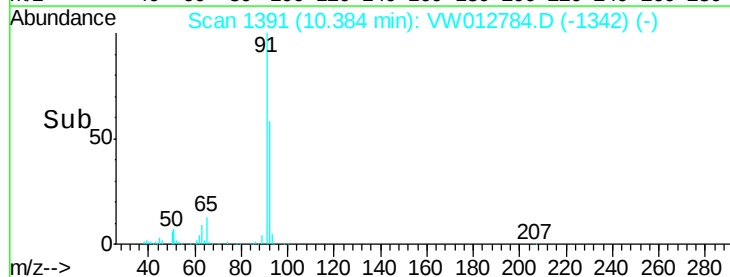
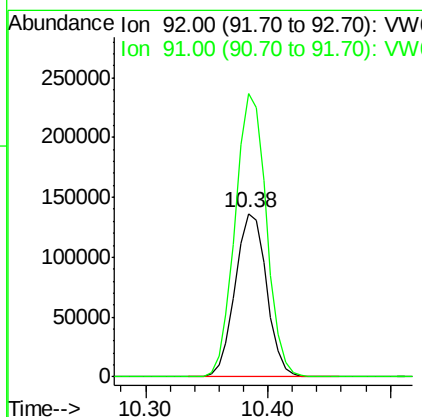
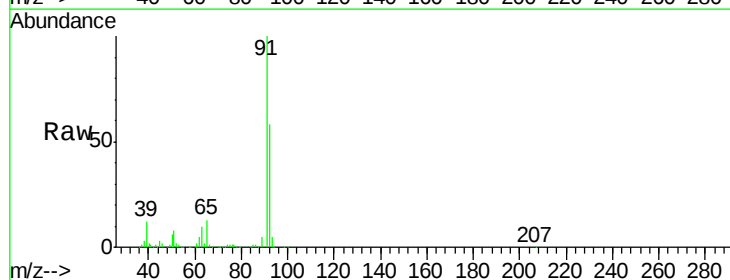
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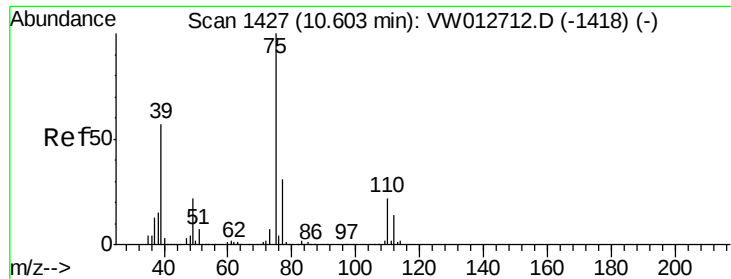
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#52
Toluene
Concen: 52.243 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.9	137.0	205.4





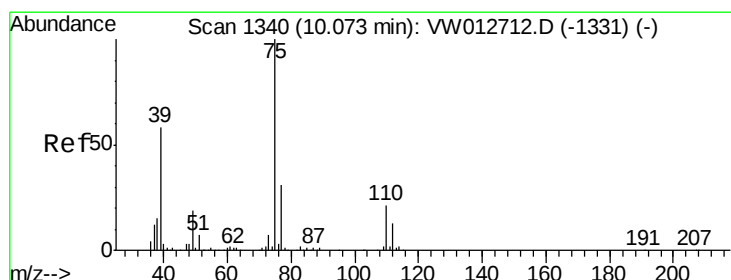
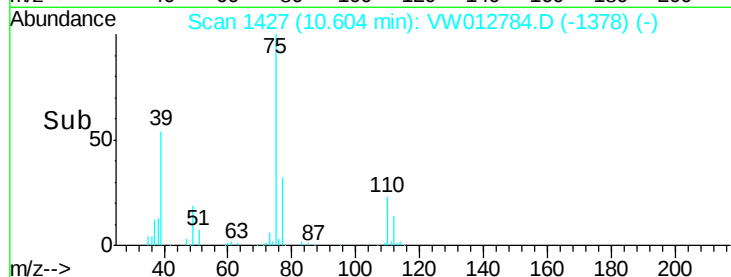
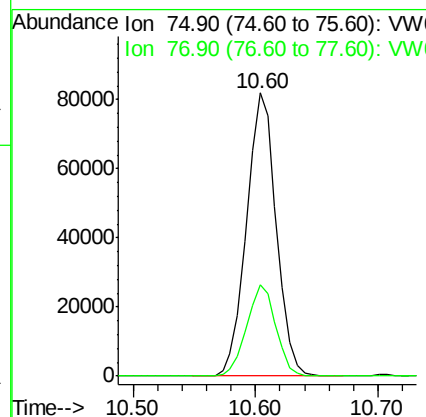
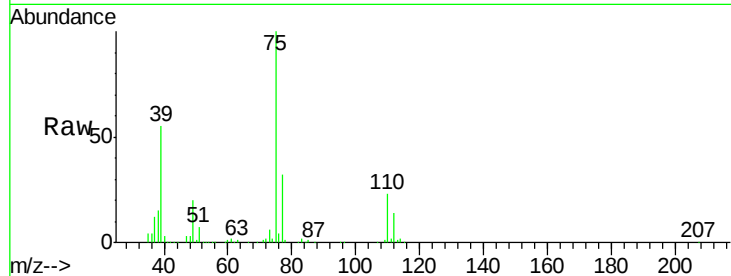
#53
 t-1,3-Dichloropropene
 Concen: 49.826 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 137893
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.7 37.1

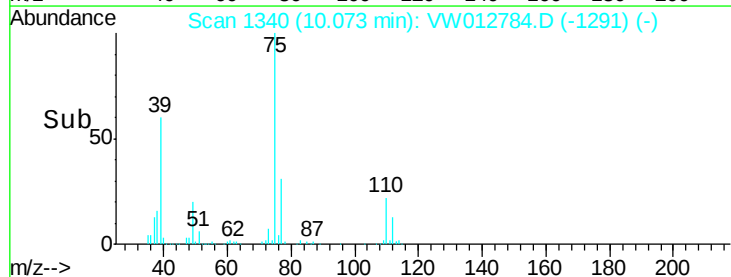
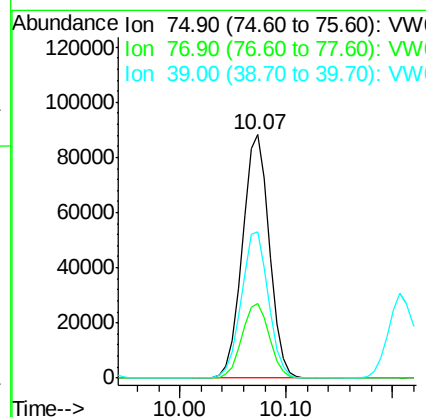
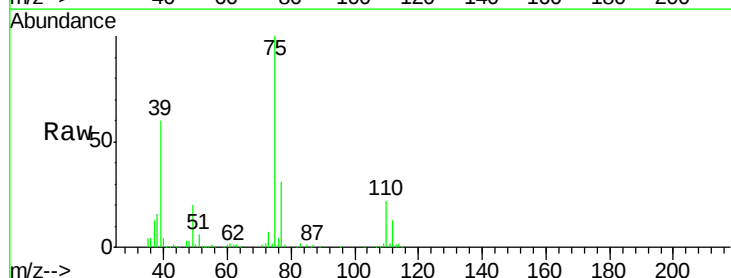
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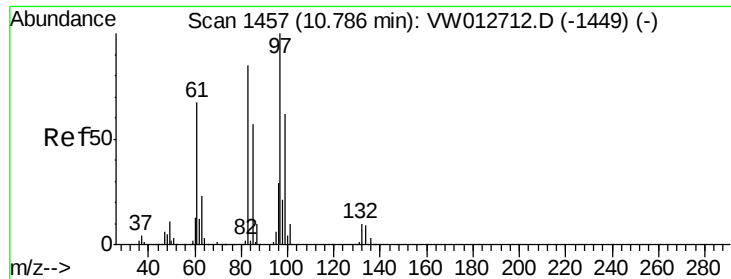
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#54
 cis-1,3-Dichloropropene
 Concen: 49.851 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Tgt Ion: 75 Resp: 156508
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 36.8
 39 60.1 46.3 69.5





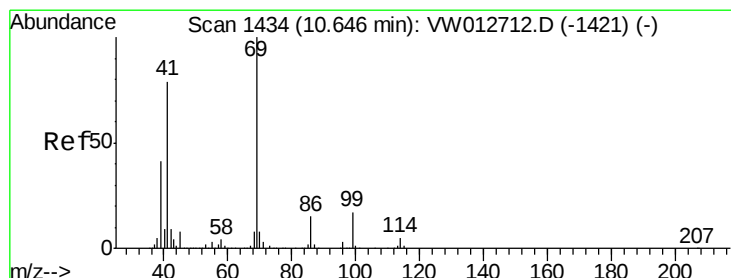
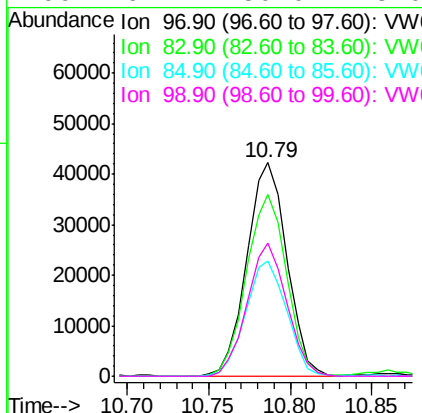
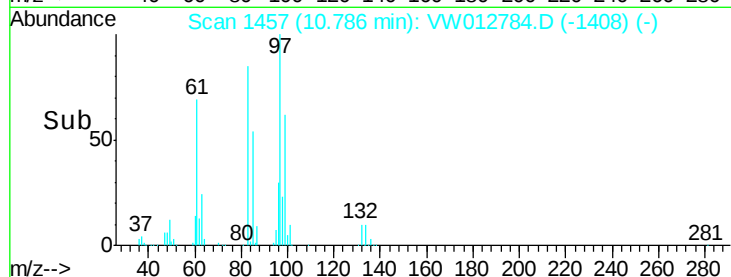
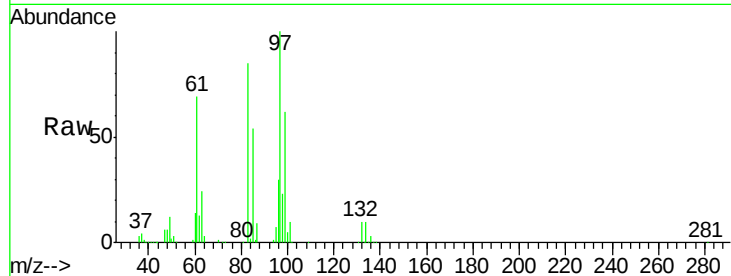
#55
 1,1,2-Trichloroethane
 Concen: 49.504 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	72502
Ion	Ratio	Lower	Upper
97	100		
83	84.9	68.1	102.1
85	53.8	45.3	67.9
99	62.1	50.0	75.0

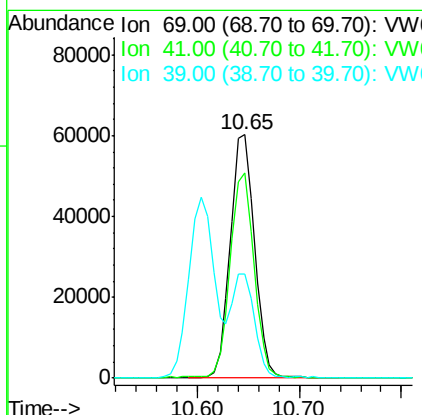
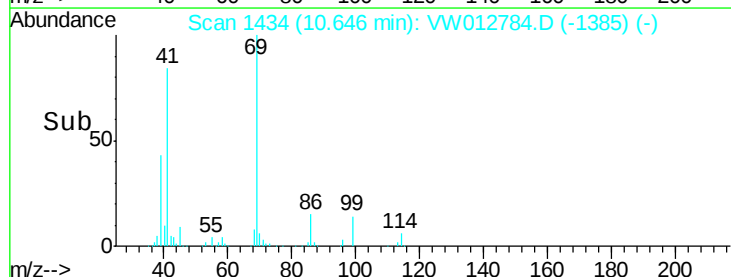
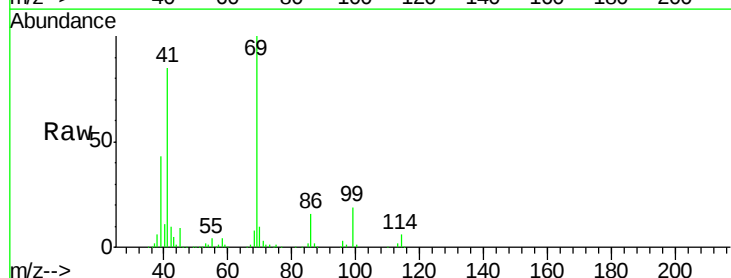
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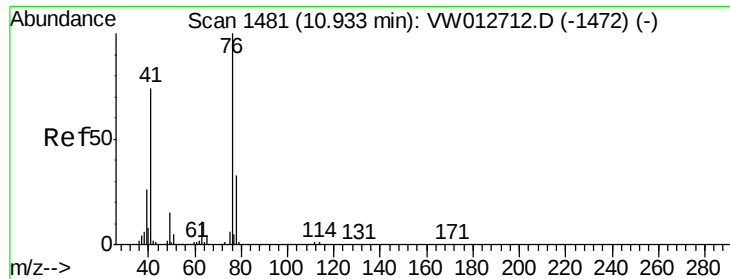
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#56
 Ethyl methacrylate
 Concen: 46.240 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Tgt Ion:	69	Resp:	99131
Ion	Ratio	Lower	Upper
69	100		
41	84.0	64.4	96.6
39	38.4	31.1	46.7





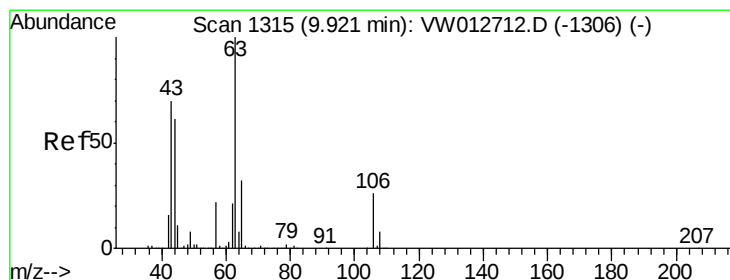
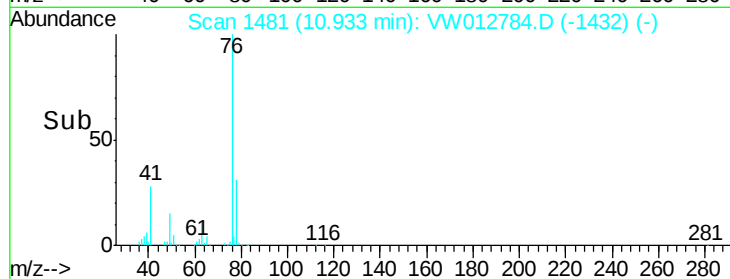
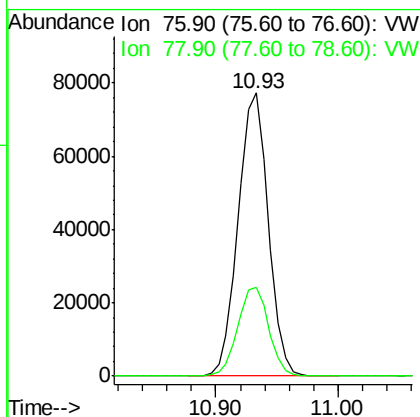
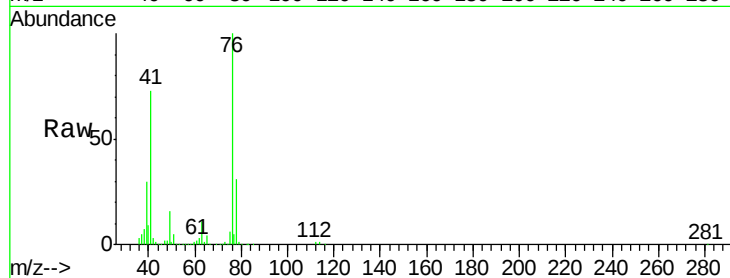
#57
 1,3-Dichloropropane
 Concen: 48.594 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

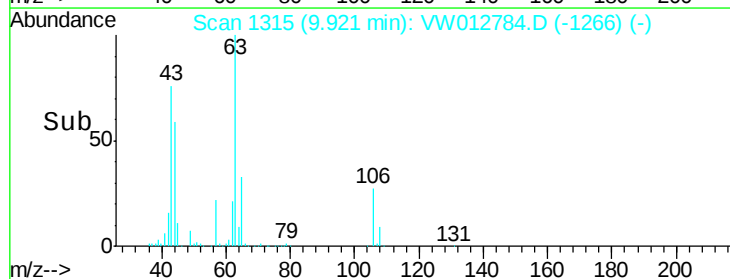
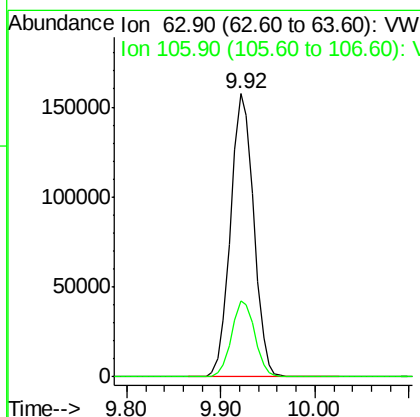
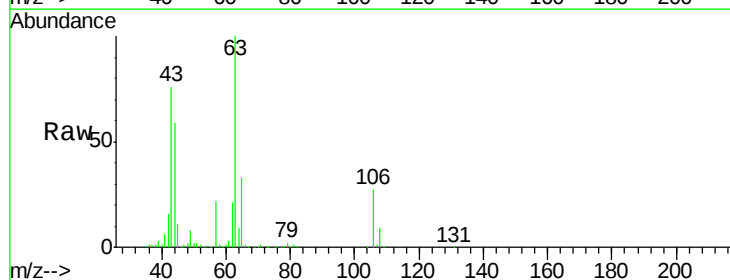
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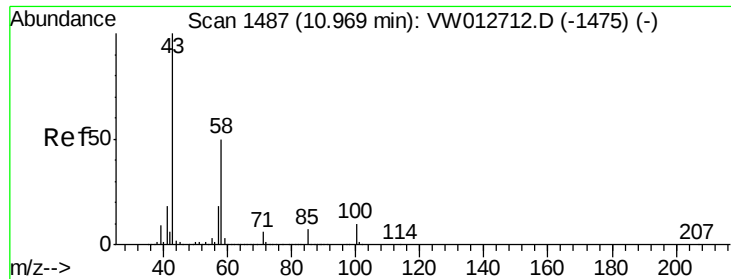
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#58
 2-Chloroethyl Vinyl ether
 Concen: 235.828 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	20.5	30.7





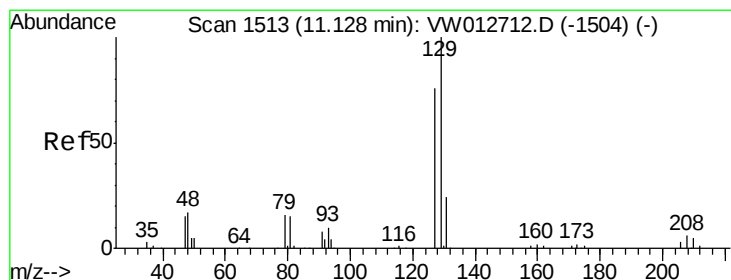
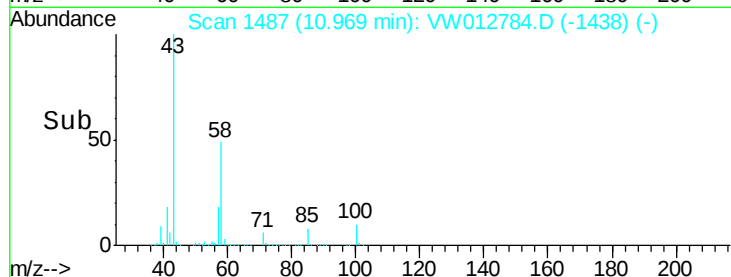
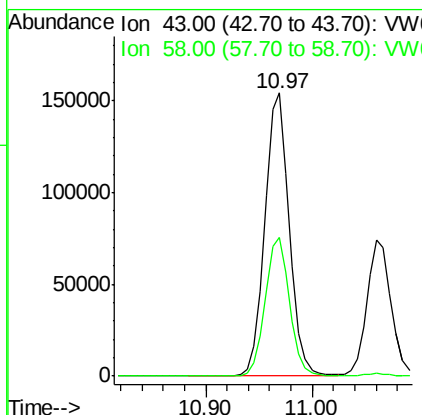
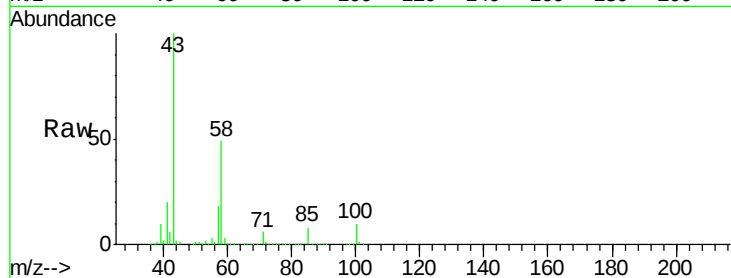
#59
2-Hexanone
Concen: 199.124 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 247500
Ion Ratio Lower Upper
43 100
58 49.1 24.7 74.1

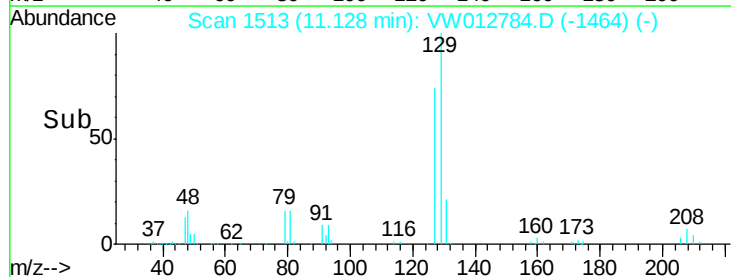
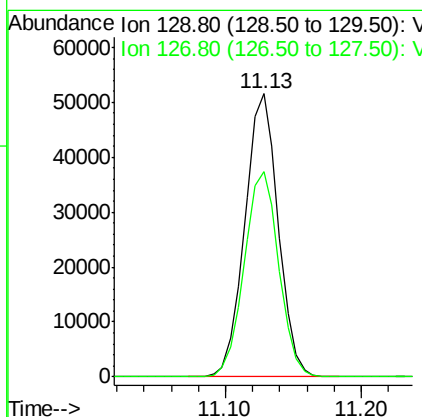
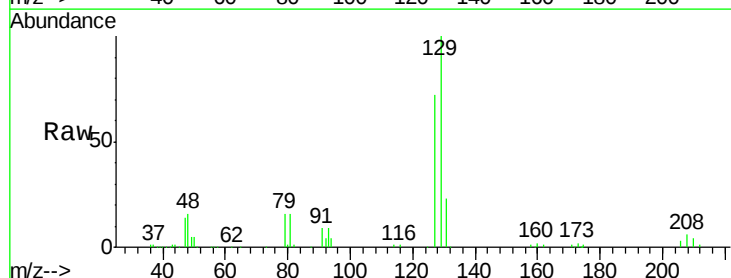
Manual Integrations
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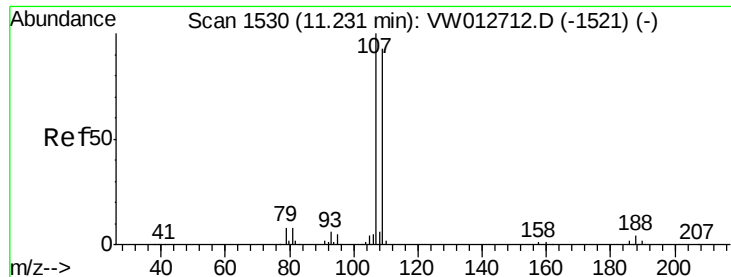
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#60
Dibromochloromethane
Concen: 51.499 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion: 129 Resp: 88704
Ion Ratio Lower Upper
129 100
127 75.1 38.6 115.8





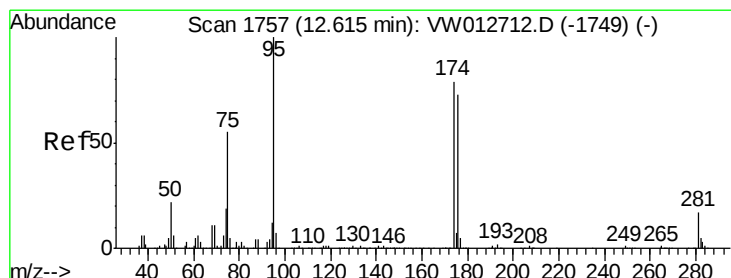
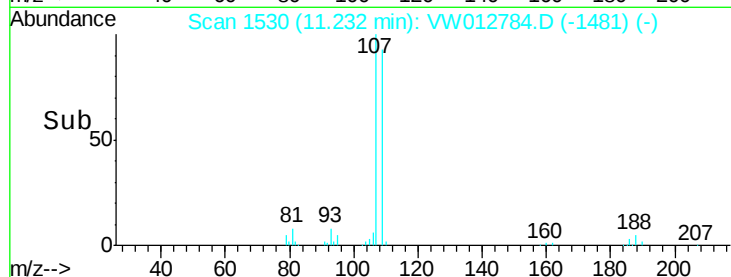
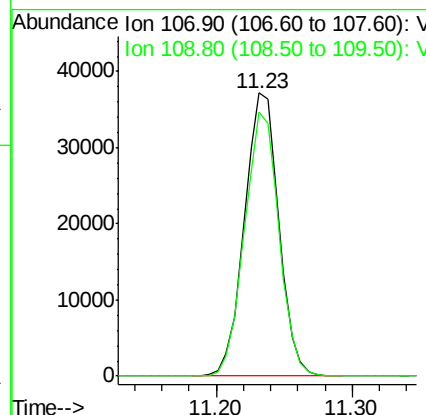
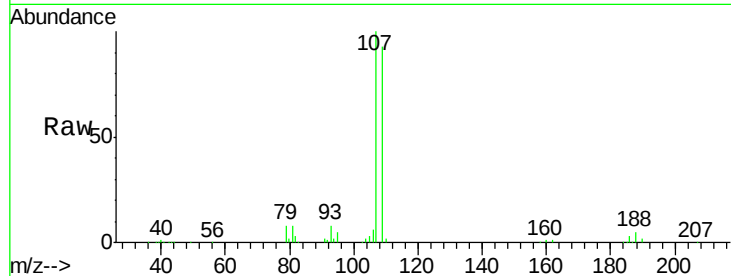
#61
 1,2-Dibromoethane
 Concen: 48.907 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.0	112.6

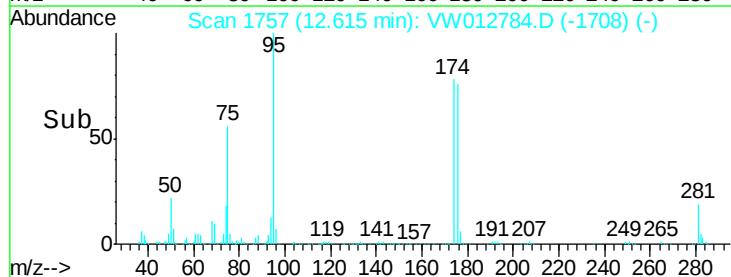
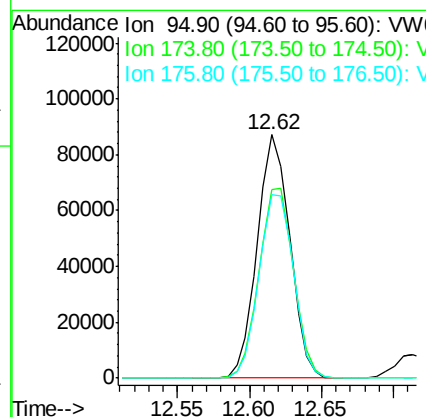
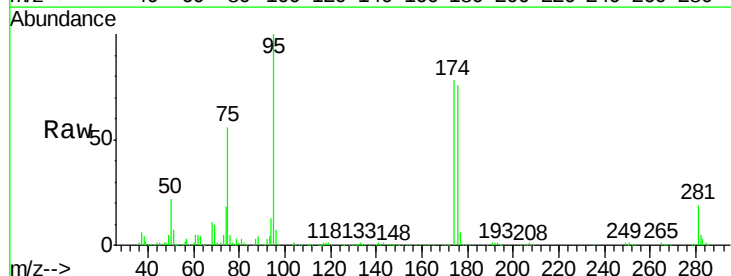
Manual Integrations
 APPROVED

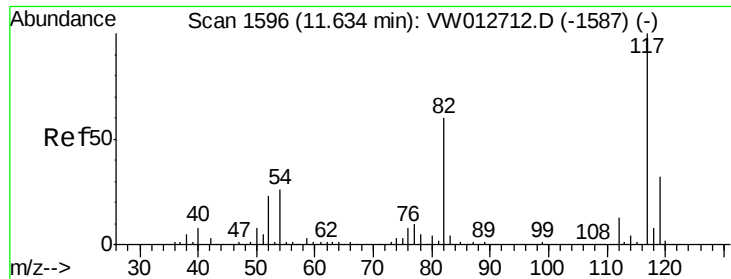
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 9/9/2019 11:25:06 AM



#62
 4-Bromofluorobenzene
 Concen: 53.433 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	161.0
176	80.4	0.0	156.4





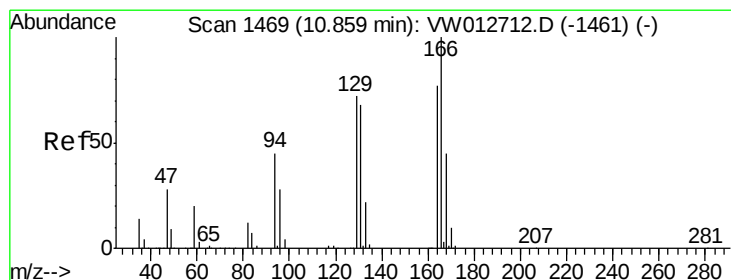
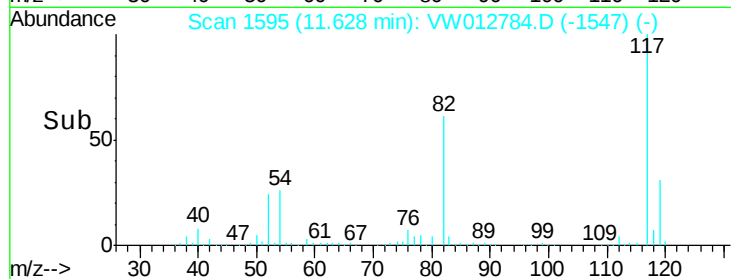
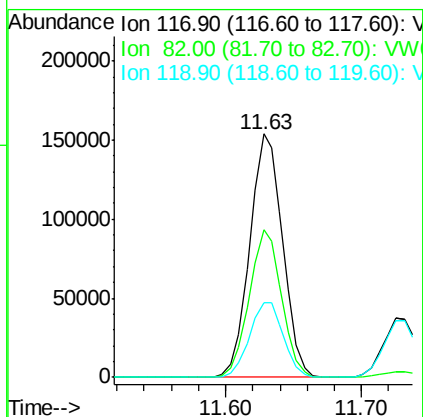
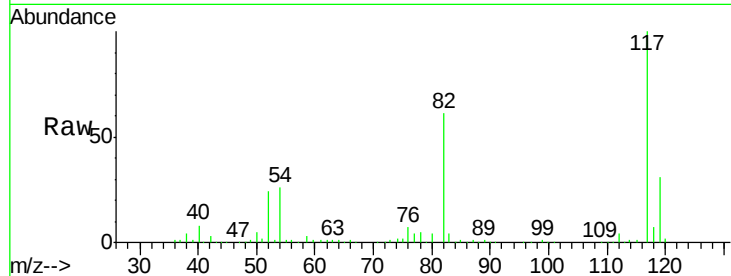
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	48.2	72.4
119	30.8	25.8	38.6

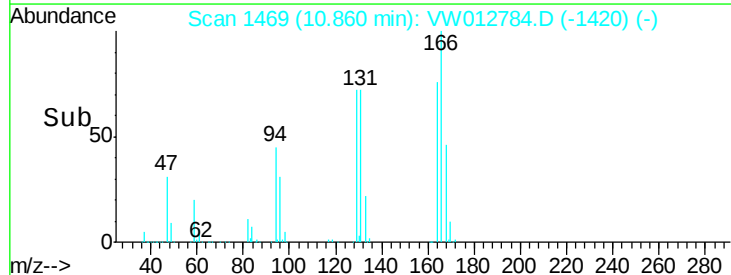
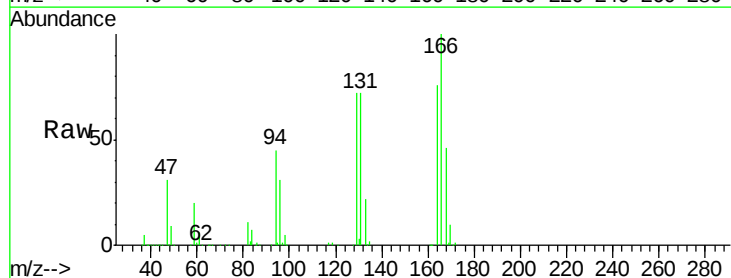
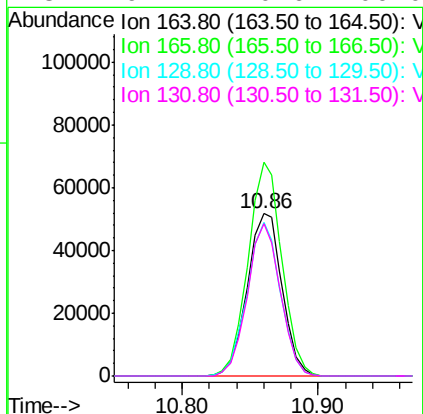
Manual Integrations
APPROVED

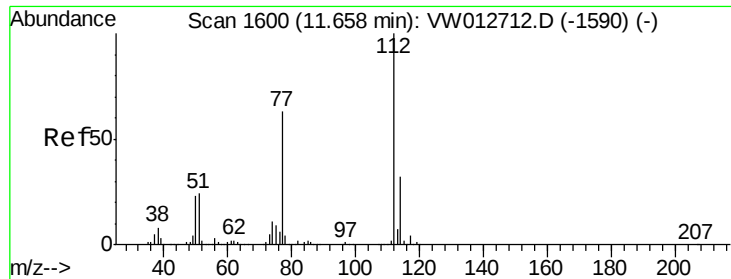
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#64
Tetrachloroethene
Concen: 58.813 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	103.6	155.4
129	94.7	74.6	112.0
131	94.2	70.6	106.0





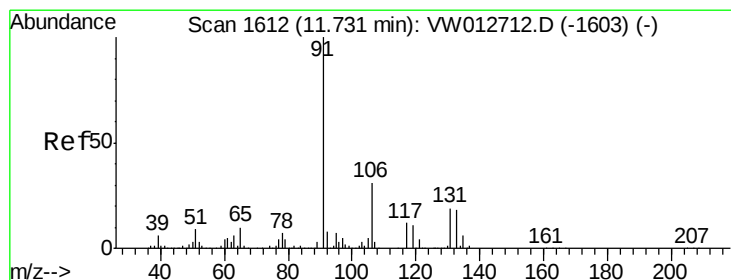
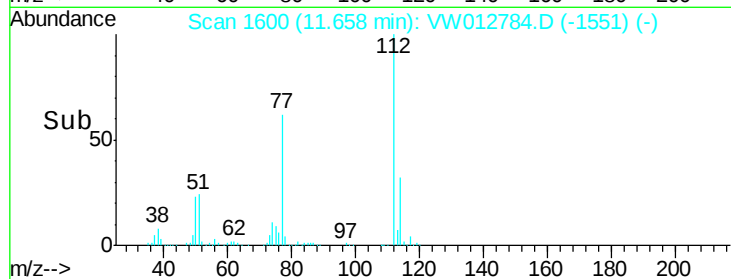
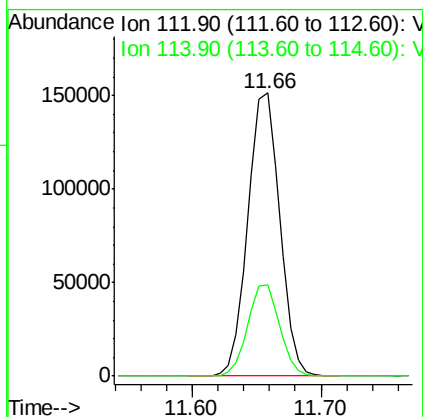
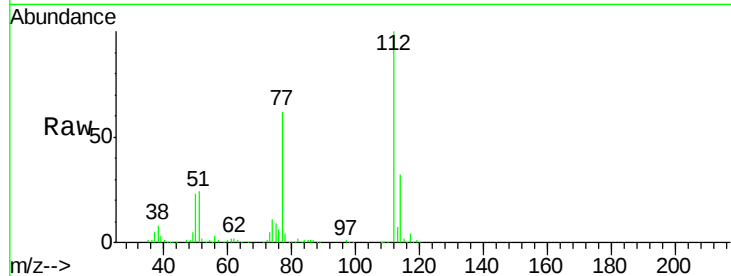
#65
Chlorobenzene
Concen: 52.416 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.3	37.9

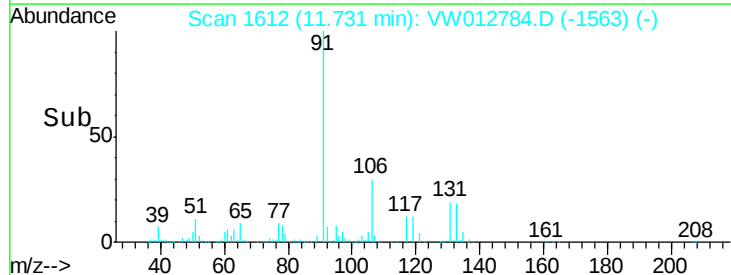
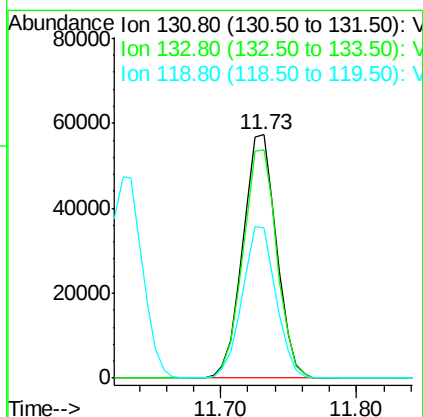
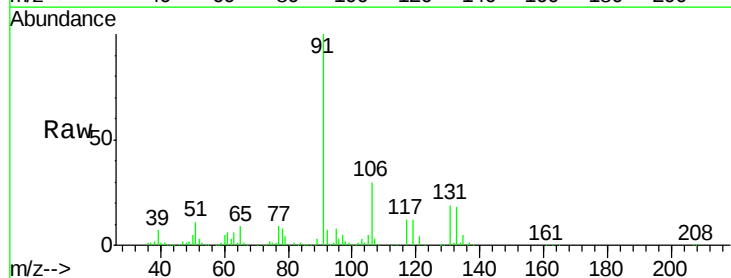
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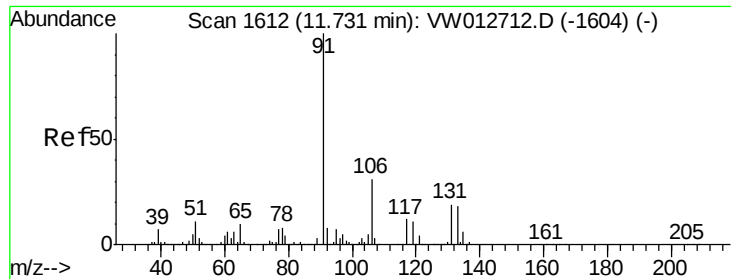
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.348 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.6	142.8
119	62.1	30.6	92.0





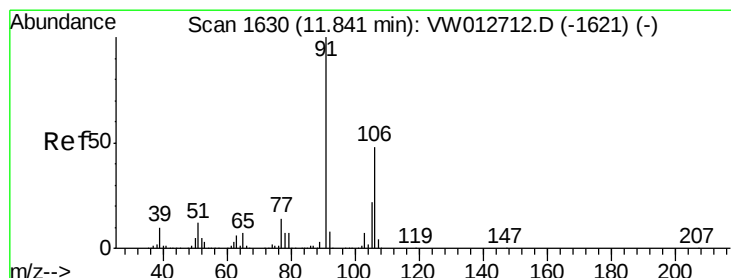
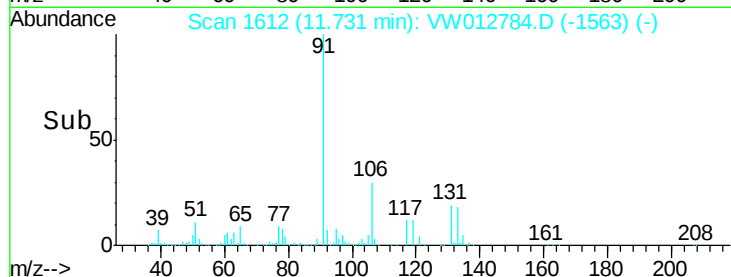
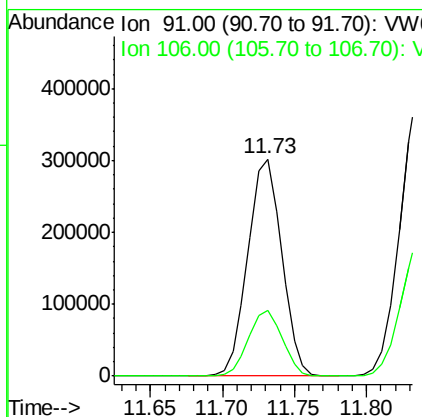
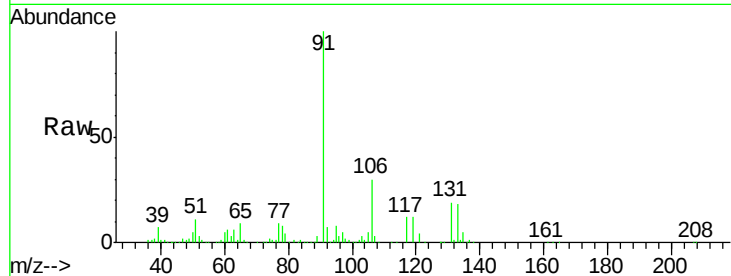
#67
Ethyl Benzene
Concen: 53.398 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 493226
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6

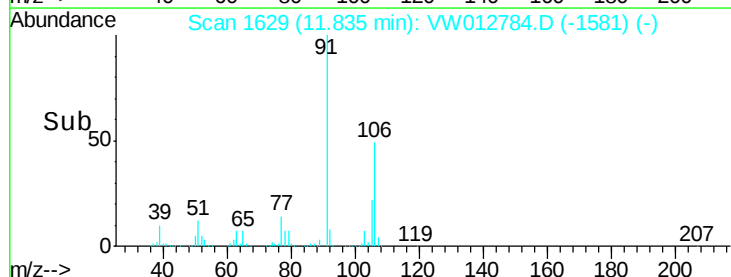
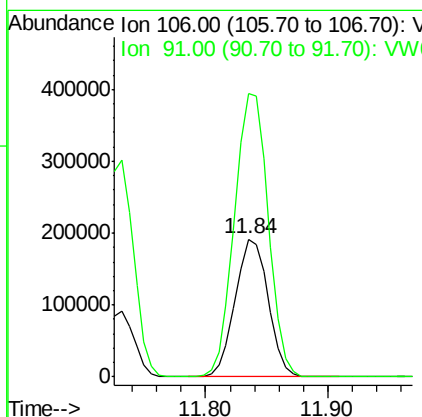
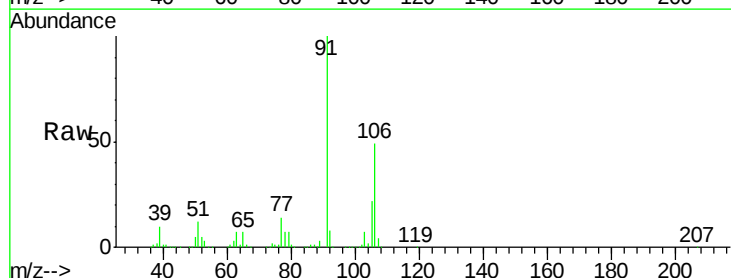
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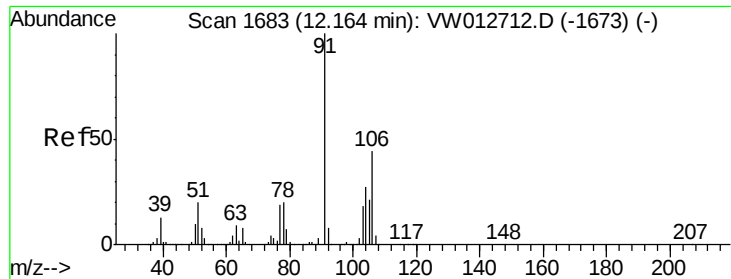
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#68
m/p-Xylenes
Concen: 107.834 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion: 106 Resp: 359526
Ion Ratio Lower Upper
106 100
91 209.7 168.2 252.4





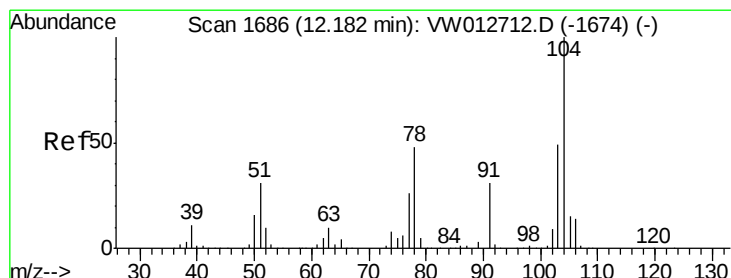
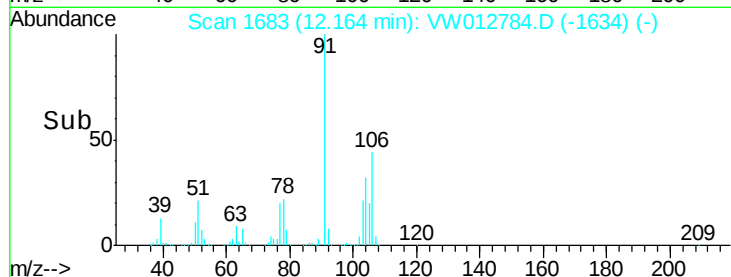
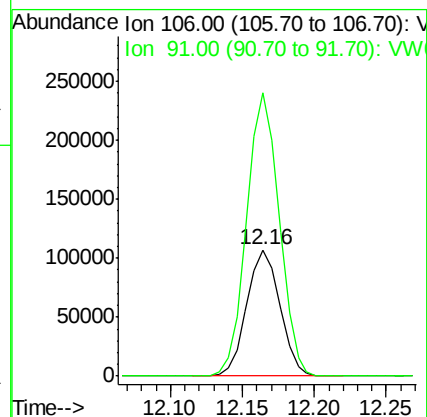
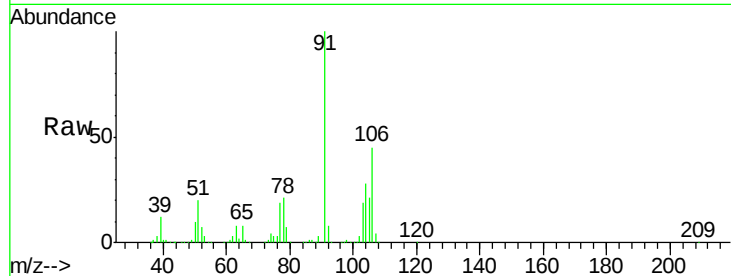
#69
o-Xylene
Concen: 54.134 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	221.3	112.3	336.8		

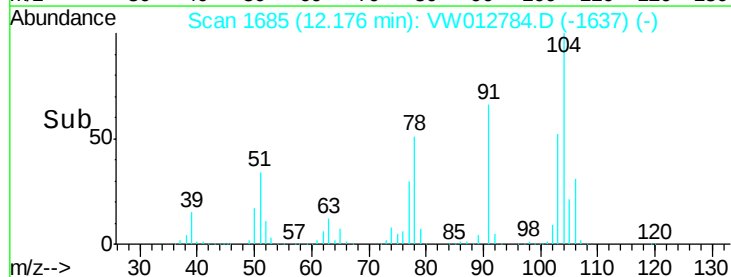
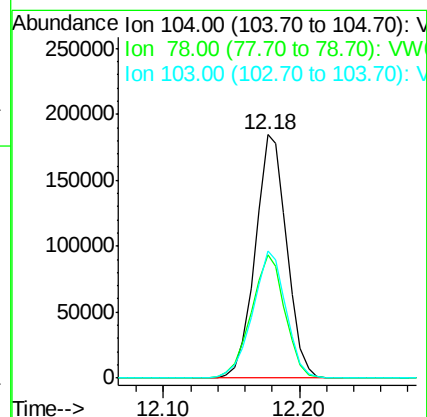
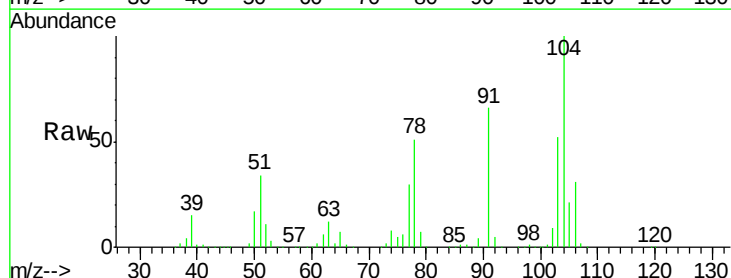
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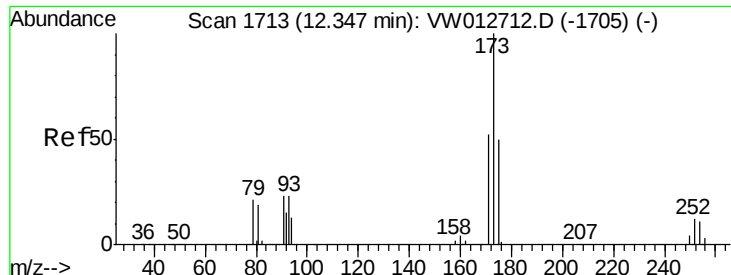
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#70
Styrene
Concen: 53.750 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	54.4	43.3	64.9		
103	55.2	44.0	66.0		





#71

Bromoform

Concen: 50.241 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Instrument :

MSVOA_W

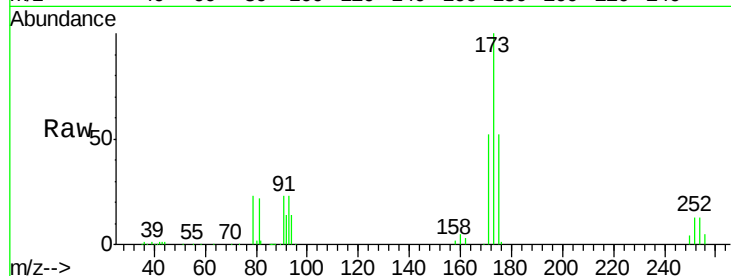
ClientSampleId :

VSTDCCC050EC

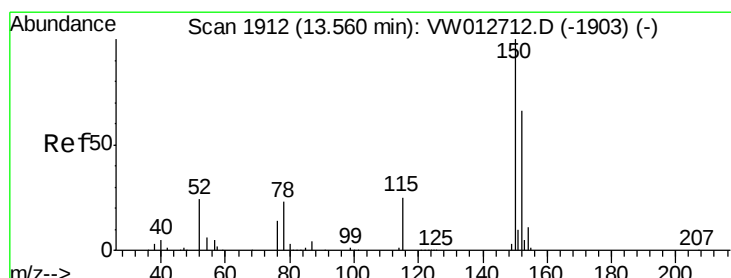
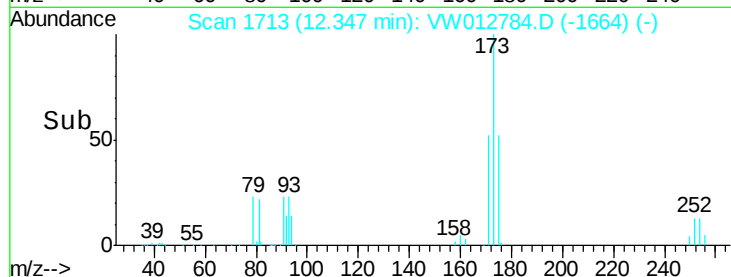
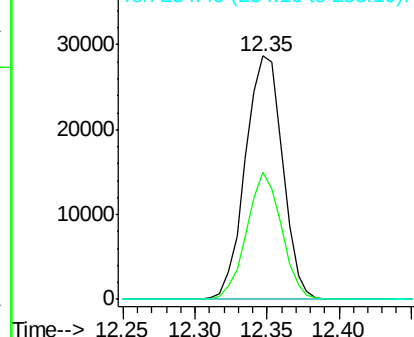
Tot Ion:	173	Resp:	51175
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.8	74.3
254	0.1	0.1	0.1

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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

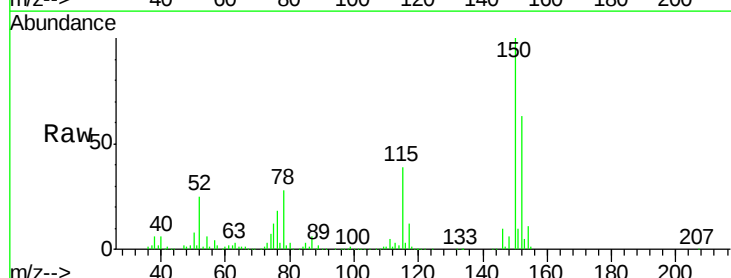
RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

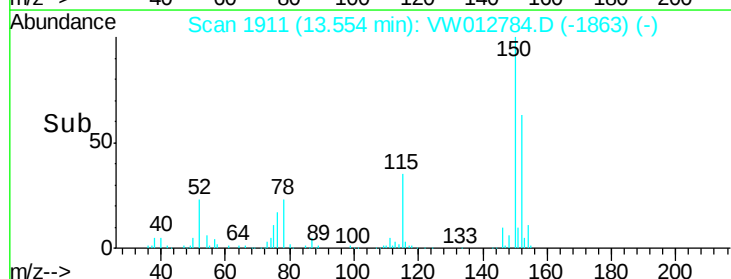
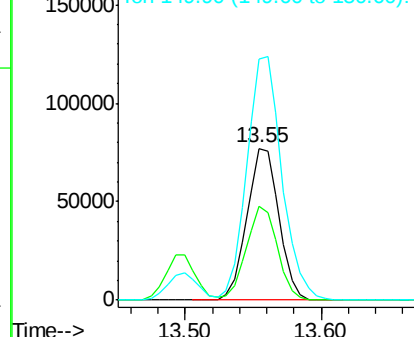
Lab File: VW012784.D

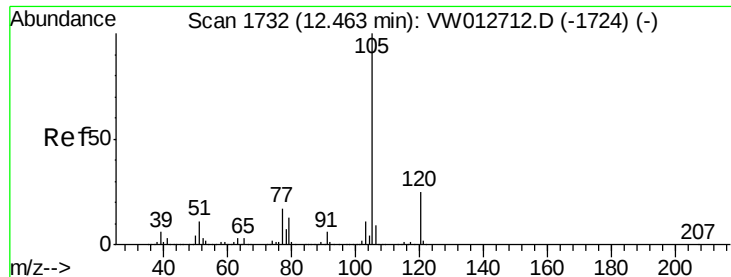
Acq: 08 Sep 2019 21:34

Tgt Ion:	152	Resp:	126959
Ion Ratio	Lower	Upper	
152	100		
115	60.0	30.0	90.1
150	175.5	0.0	349.0



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





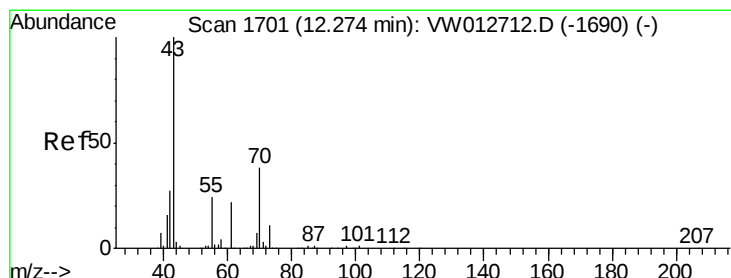
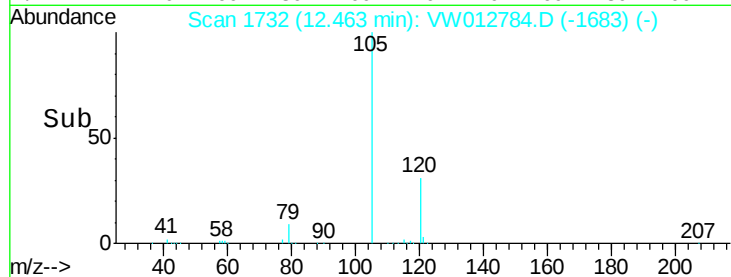
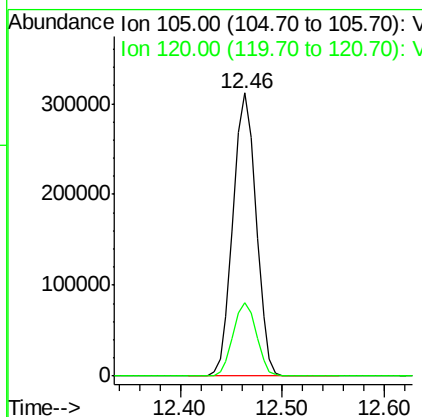
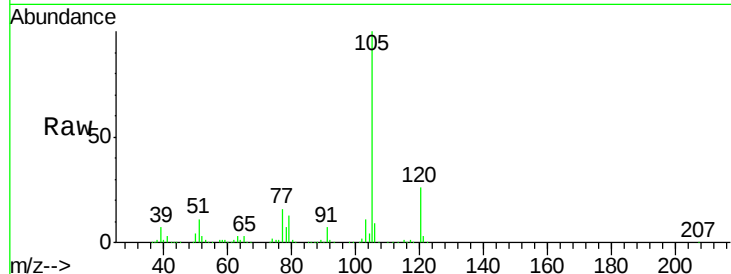
#73
Isopropylbenzene
Concen: 53.593 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9

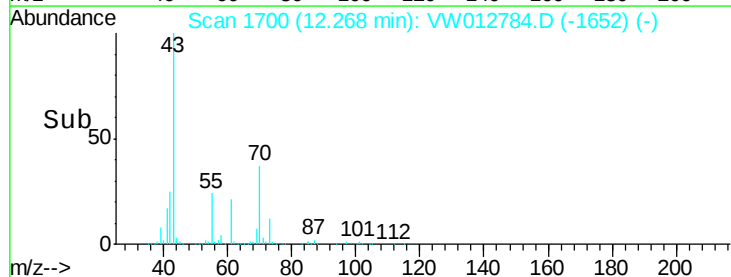
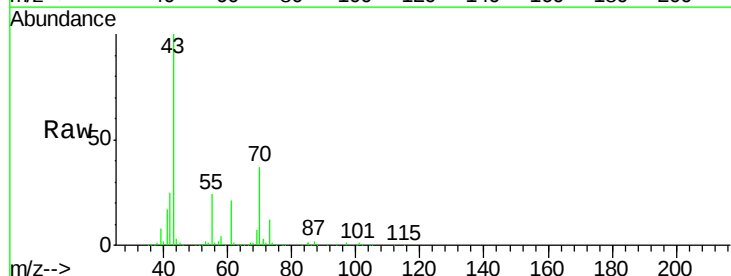
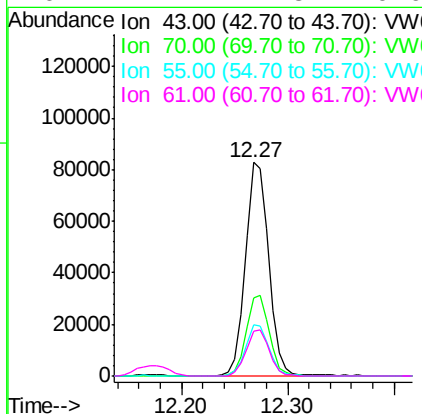
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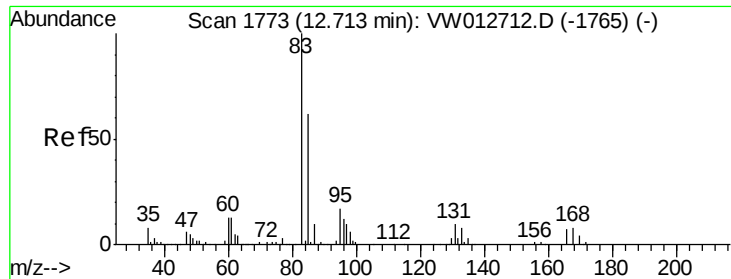
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#74
N-ethyl acetate
Concen: 44.182 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.3	29.4	44.0
55	24.4	18.6	27.8
61	21.7	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.563 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Instrument :

MSVOA_W

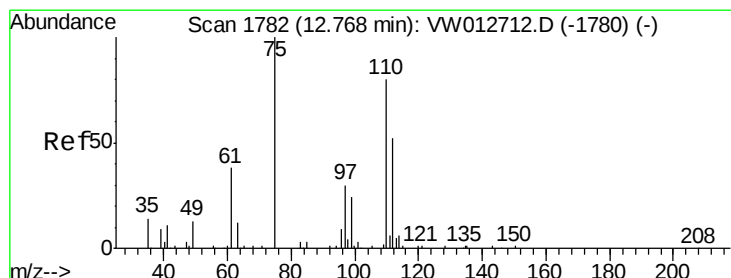
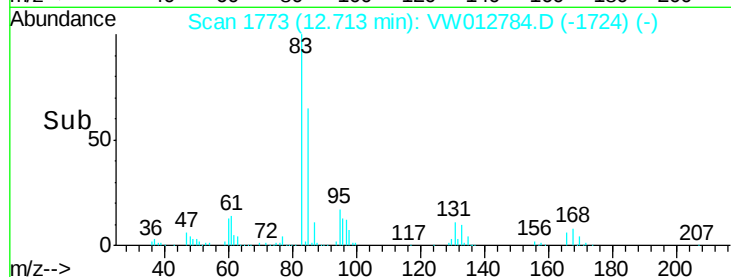
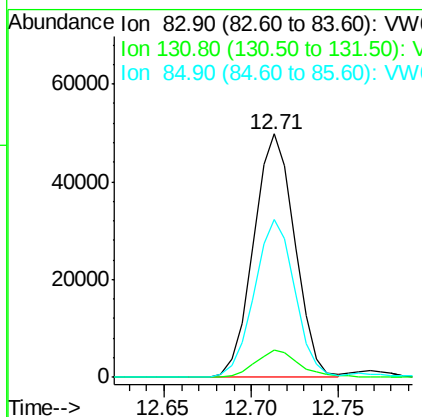
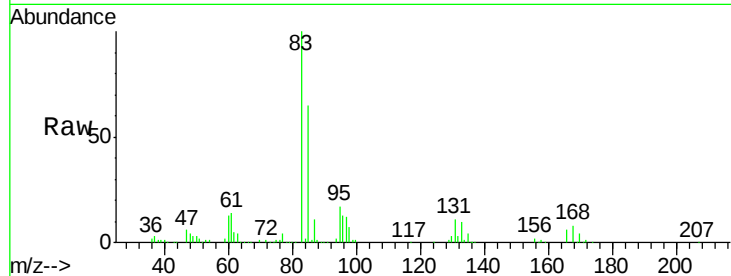
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	81494
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.1	15.4
85	63.7	31.4	94.2

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#76

1,2,3-Trichloropropane

Concen: 43.088 ug/l m

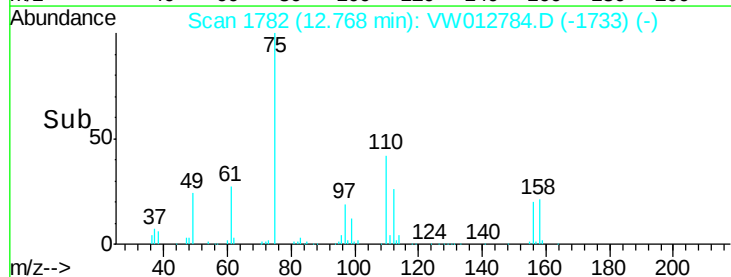
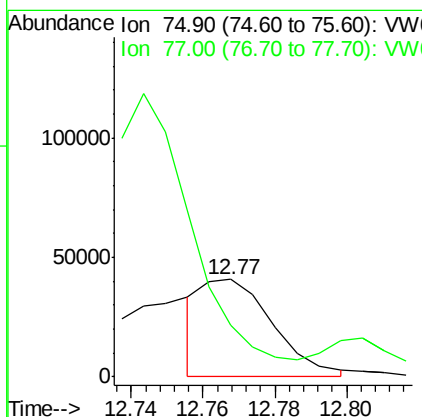
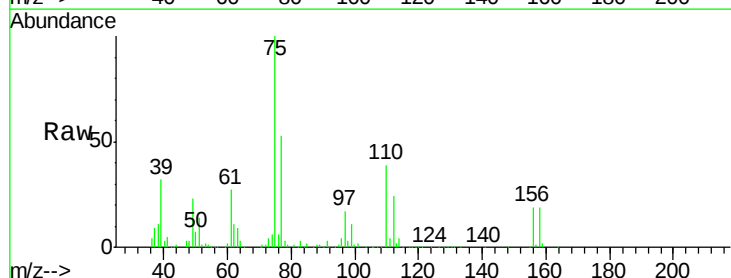
RT: 12.77 min Scan# 1782

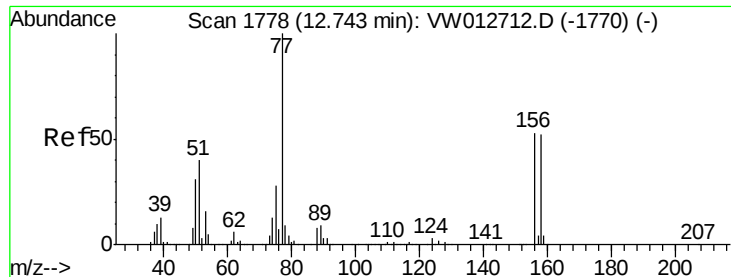
Delta R.T. 0.00 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Tgt Ion:	75	Resp:	55938
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.693 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tot Ion:156 Resp: 110770

Ion Ratio Lower Upper

156 100

77 191.9 102.3 306.9

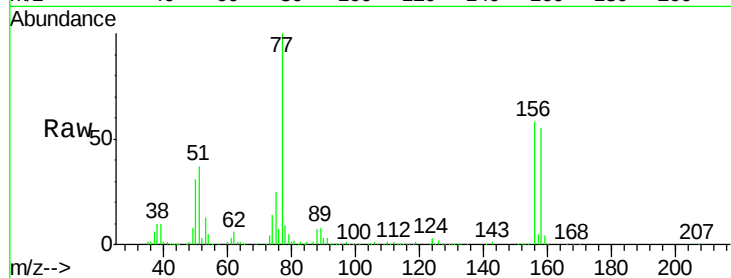
158 97.8 48.9 146.8

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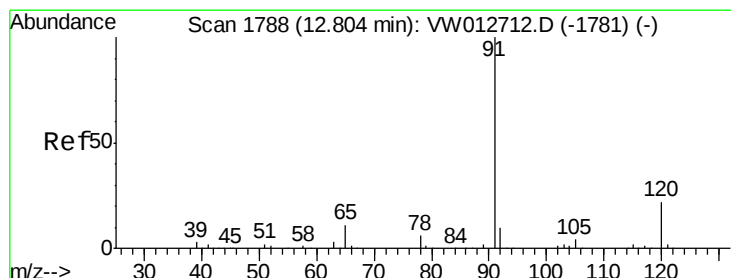
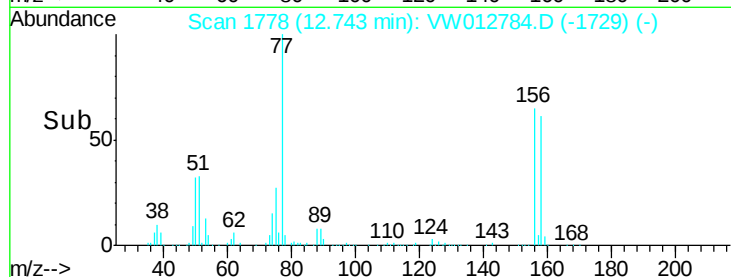
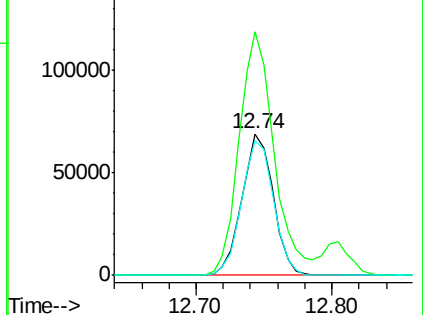
9/9/2019 11:25:06 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.689 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012784.D

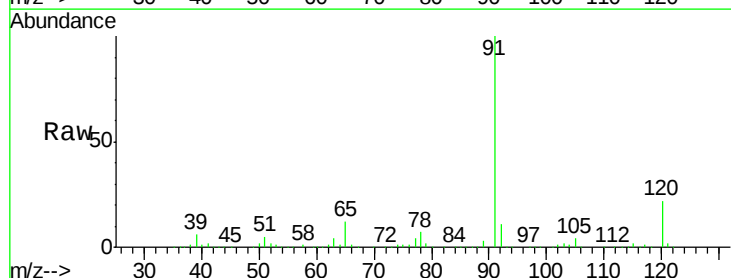
Acq: 08 Sep 2019 21:34

Tgt Ion: 91 Resp: 573819

Ion Ratio Lower Upper

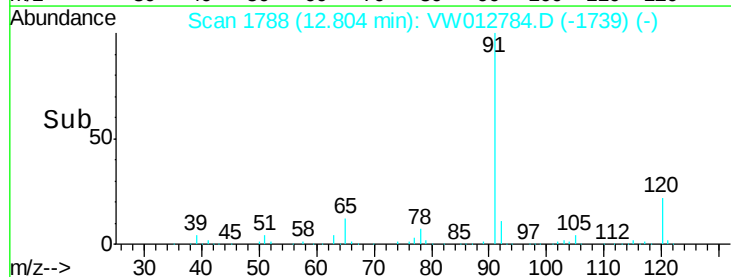
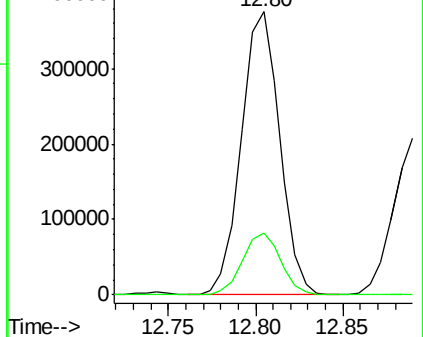
91 100

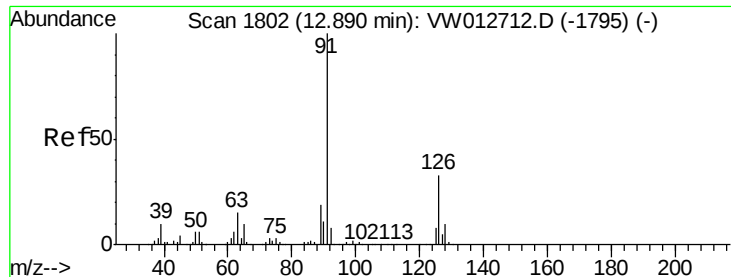
120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.683 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 329376

Ion Ratio Lower Upper

91 100

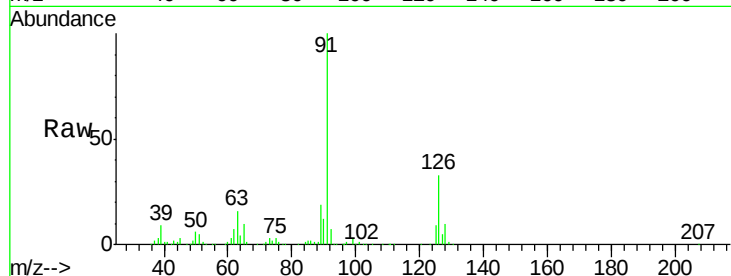
126 32.5 16.1 48.3

Manual Integrations

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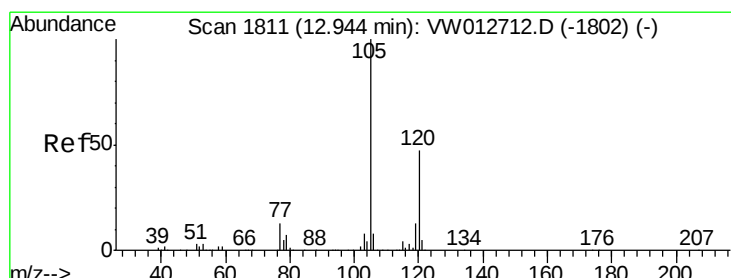
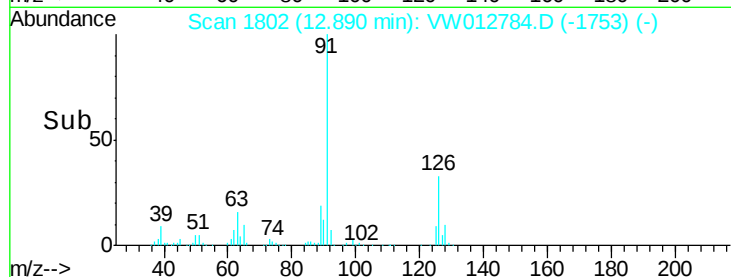
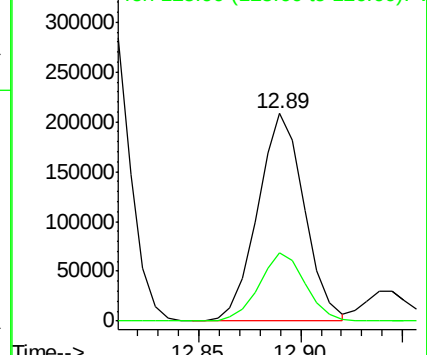
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.136 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012784.D

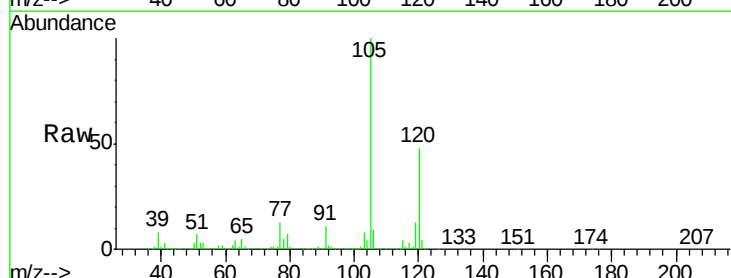
Acq: 08 Sep 2019 21:34

Tgt Ion: 105 Resp: 415384

Ion Ratio Lower Upper

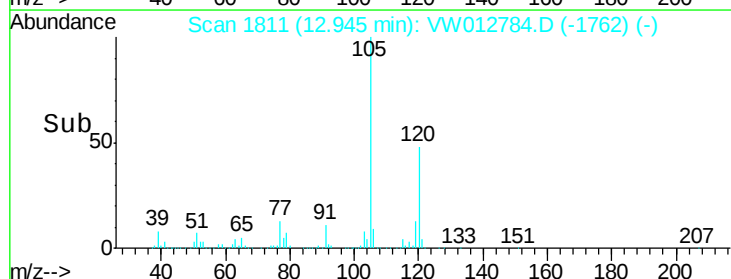
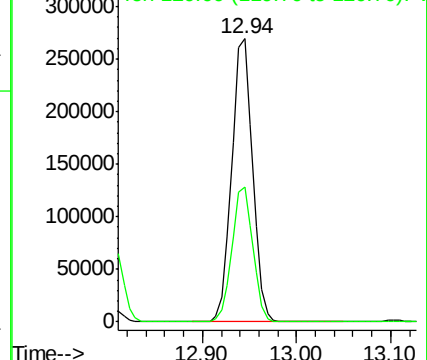
105 100

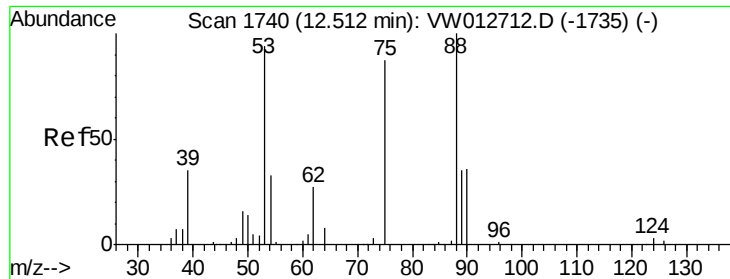
120 47.6 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





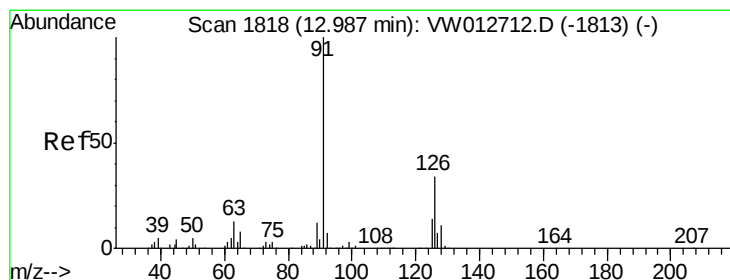
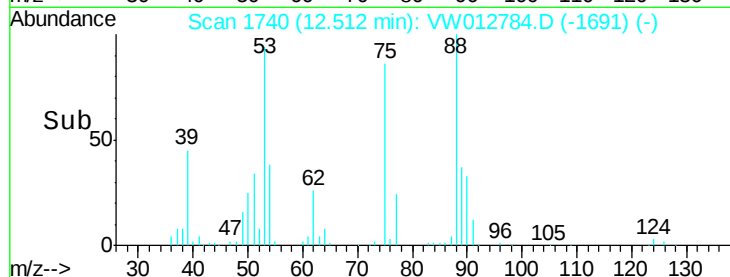
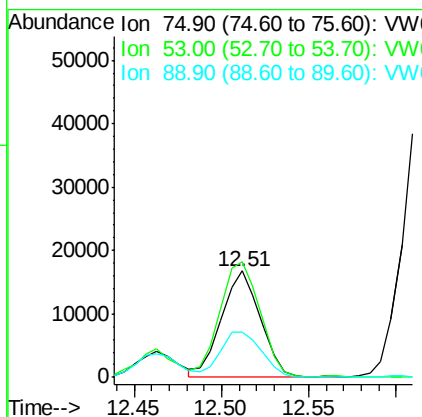
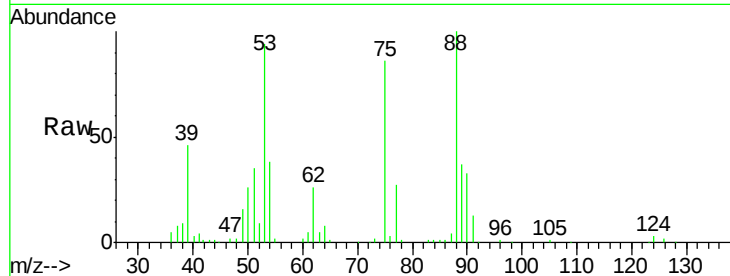
#81
trans-1,4-Dichloro-2-butene
Concen: 41.679 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion: 75 Resp: 25582
Ion Ratio Lower Upper
75 100
53 113.9 87.6 131.4
89 45.4 35.5 53.3

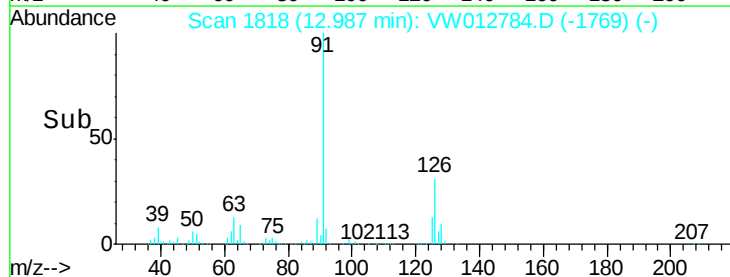
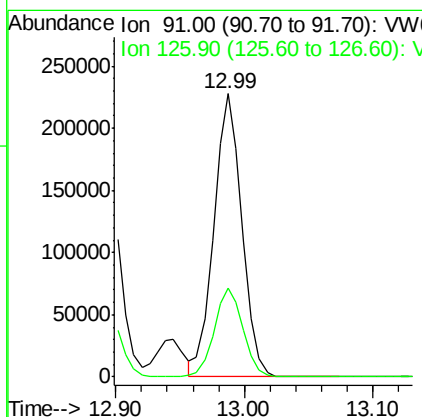
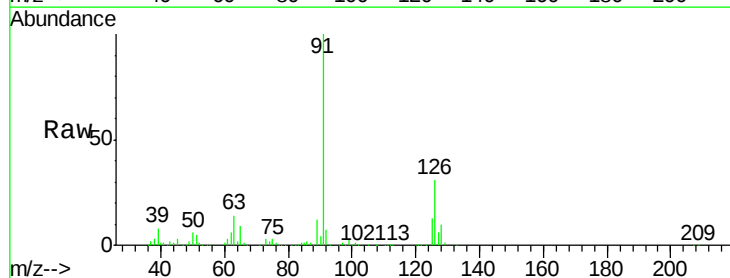
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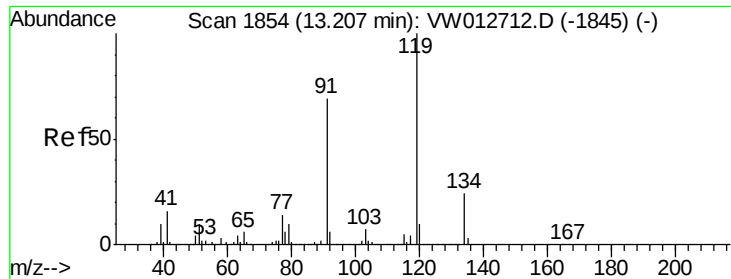
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#82
4-Chlorotoluene
Concen: 52.304 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion: 91 Resp: 345896
Ion Ratio Lower Upper
91 100
126 32.1 15.9 47.6





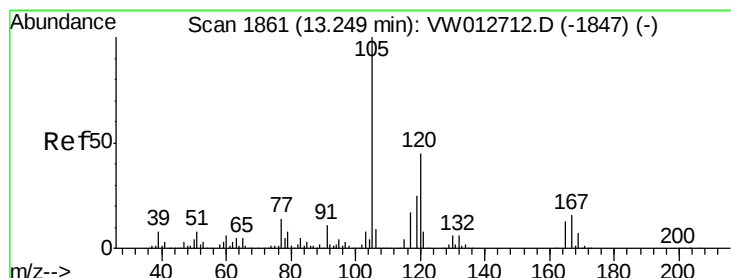
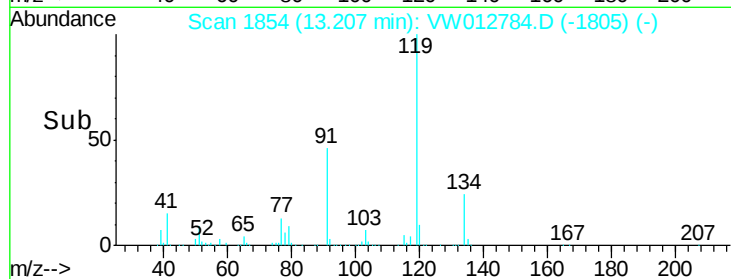
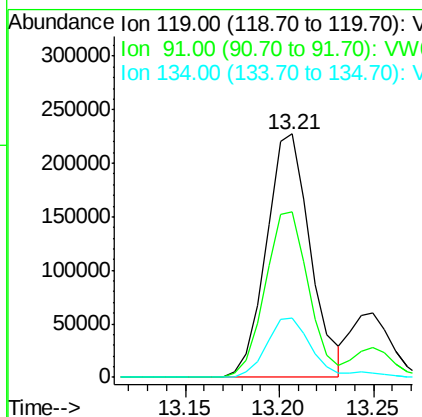
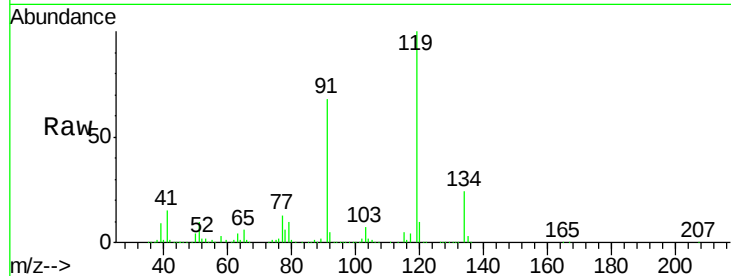
#83
tert-Butylbenzene
Concen: 54.258 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	34.2	102.5
134	24.6	12.3	36.9

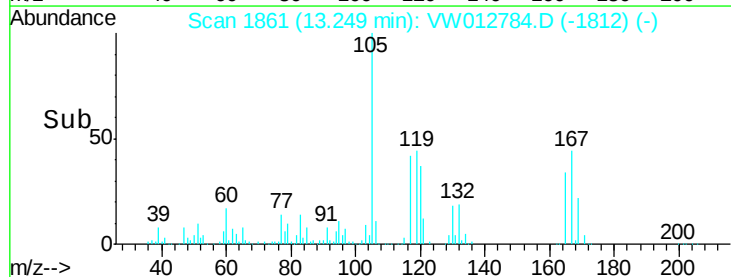
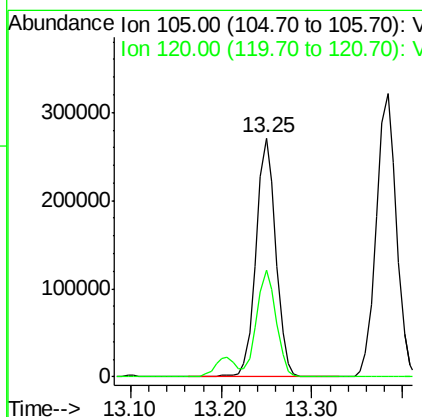
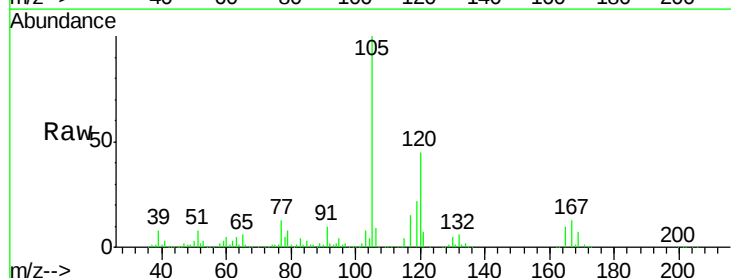
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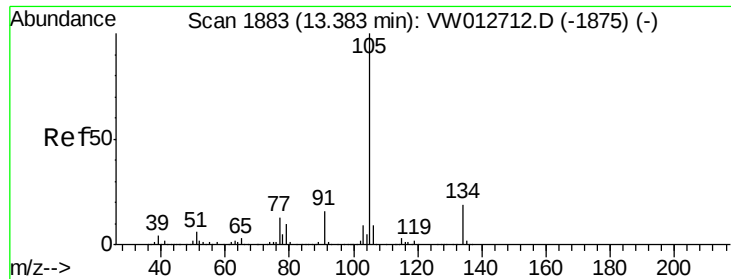
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#84
1,2,4-Trimethylbenzene
Concen: 52.753 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.3





#85

sec-Butylbenzene

Concen: 52.234 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 491757

Ion Ratio Lower Upper

105 100

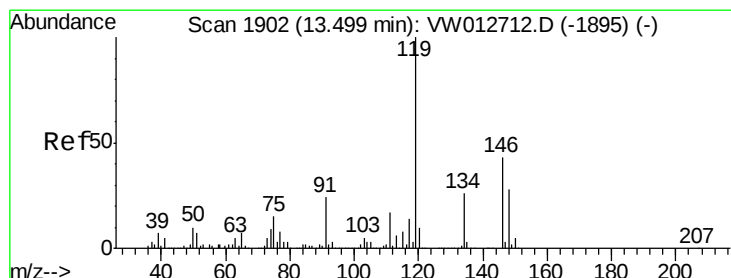
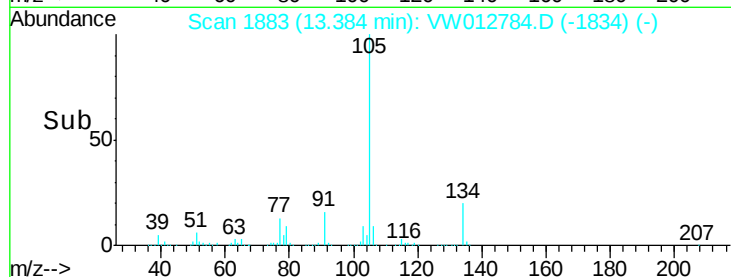
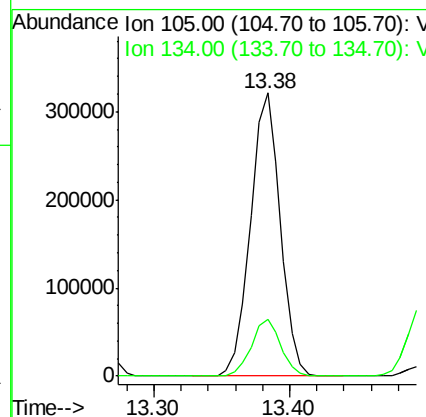
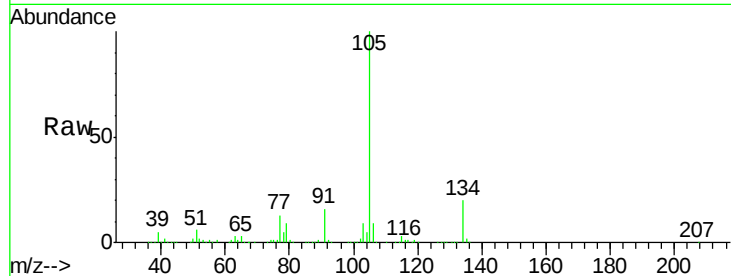
134 19.8 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.293 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012784.D

Acq: 08 Sep 2019 21:34

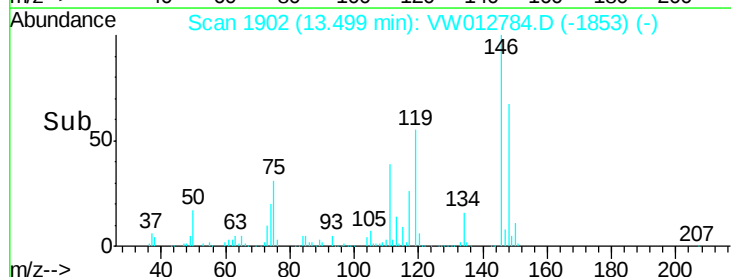
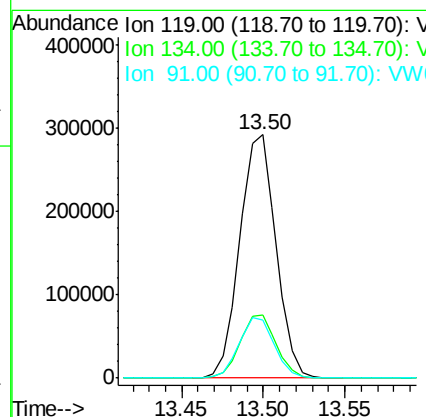
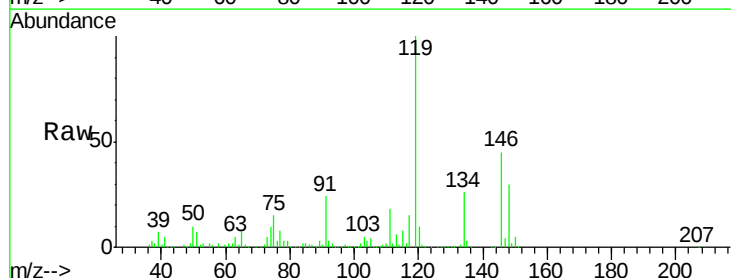
Tgt Ion:119 Resp: 449681

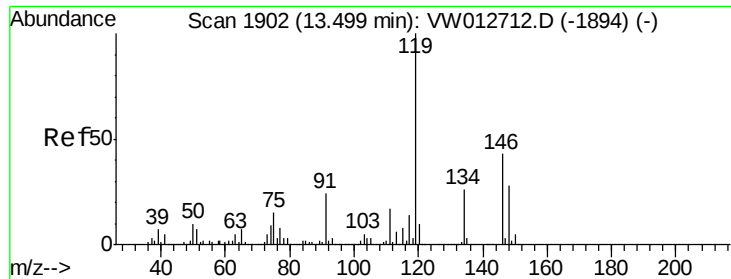
Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 24.5 12.2 36.6





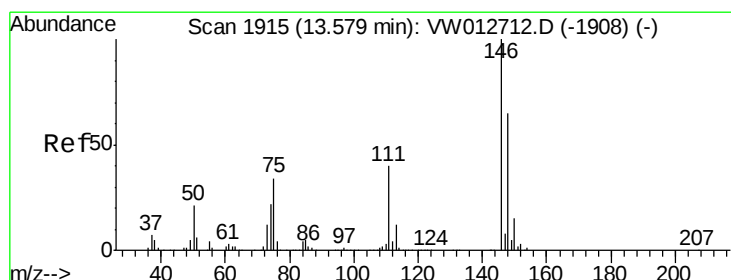
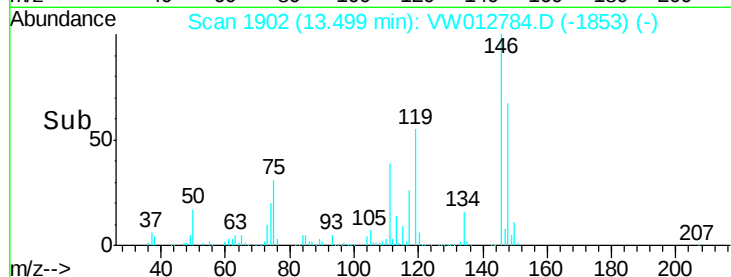
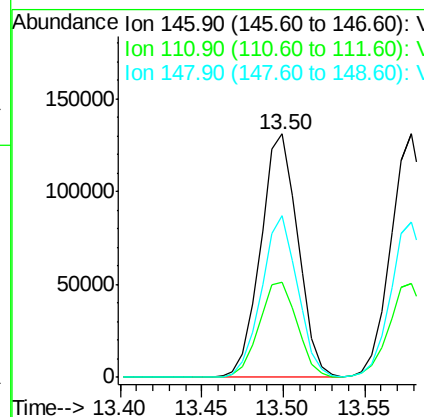
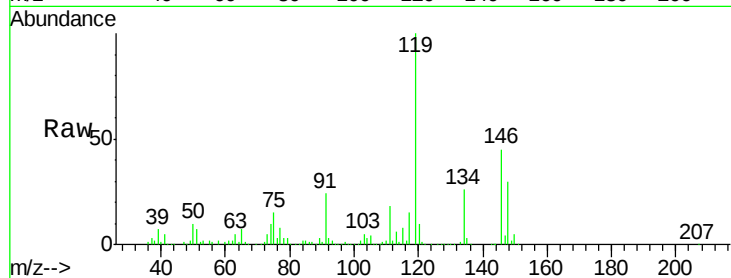
#87
 1,3-Dichlorobenzene
 Concen: 51.504 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	208847		
111	40.1		20.4	61.2
148	64.3		31.8	95.4

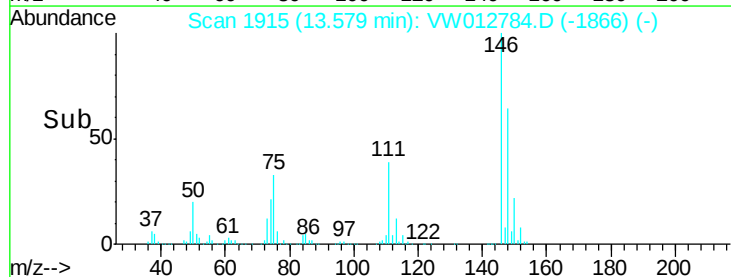
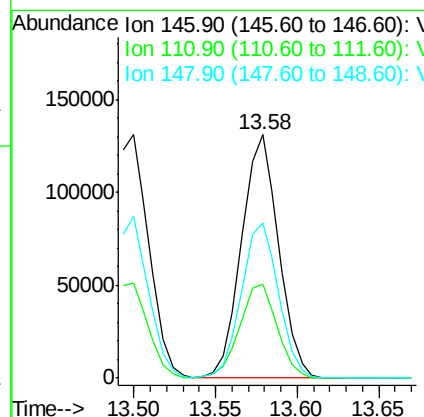
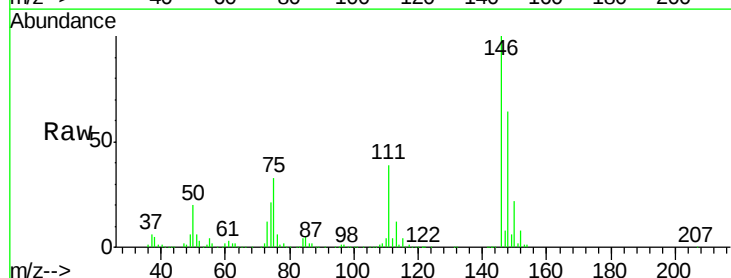
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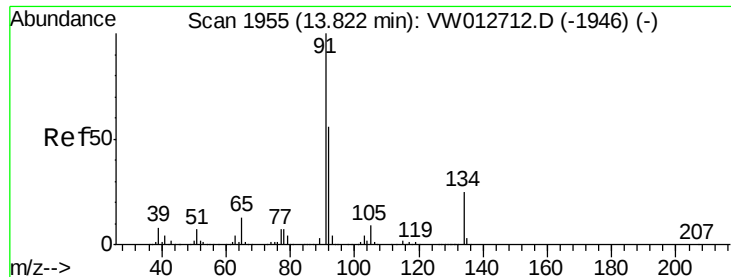
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#88
 1,4-Dichlorobenzene
 Concen: 51.357 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	207224		
111	39.4		20.0	60.0
148	63.8		32.2	96.6





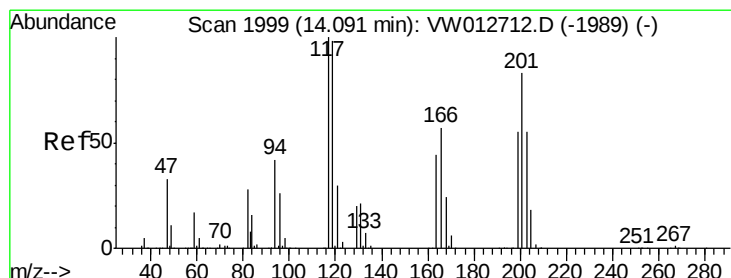
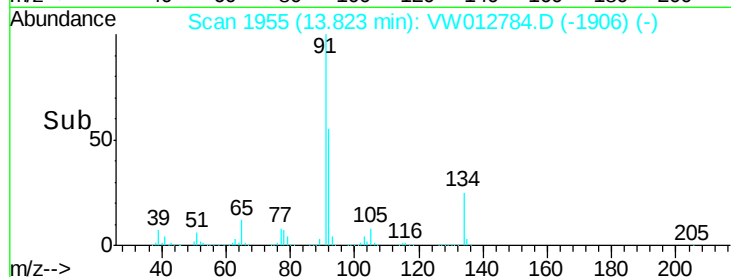
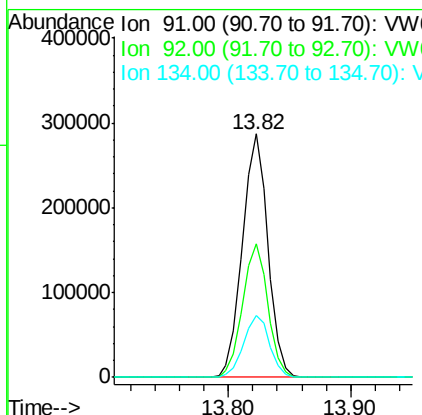
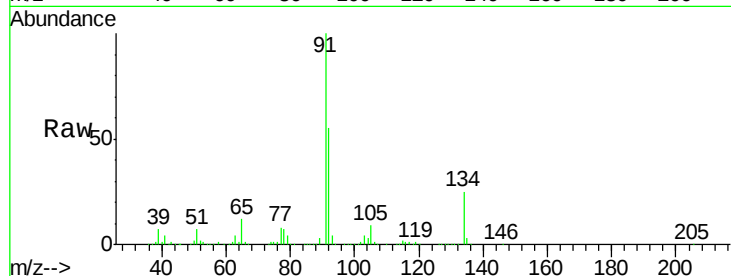
#89
n-Butylbenzene
Concen: 49.640 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	25.9	12.7	38.1

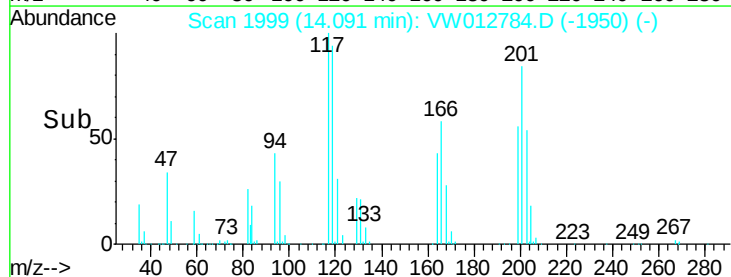
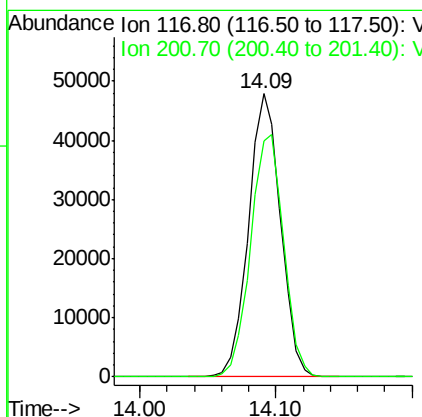
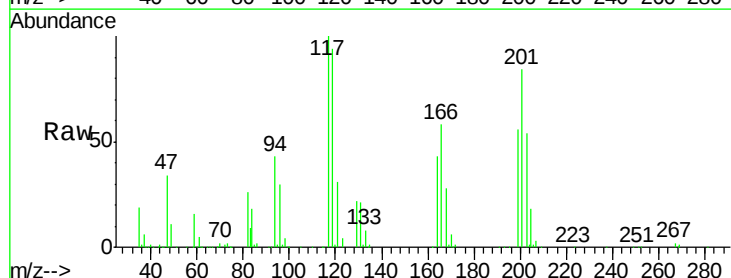
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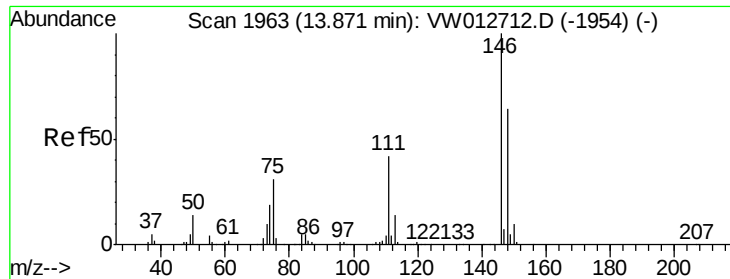
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#90
Hexachloroethane
Concen: 52.538 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.4	42.8	128.4





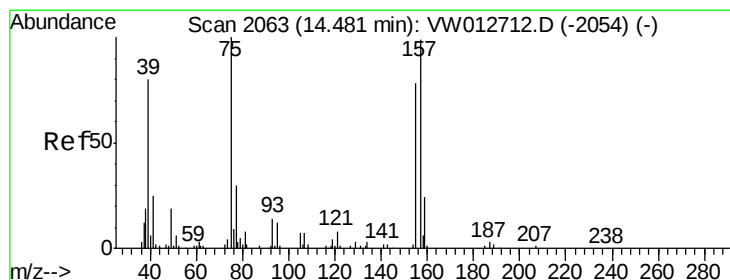
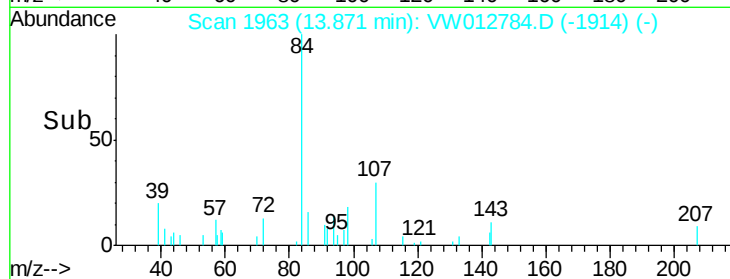
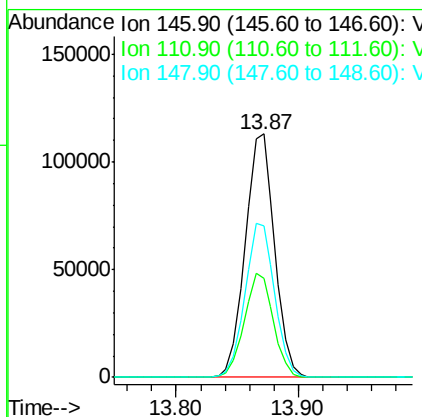
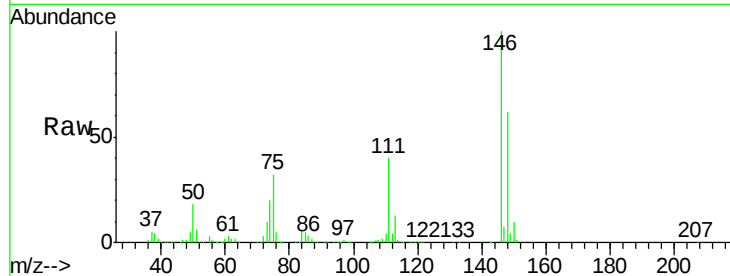
#91
 1,2-Dichlorobenzene
 Concen: 51.585 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	188271		
111	42.0	21.3	63.9	
148	63.7	32.1	96.5	

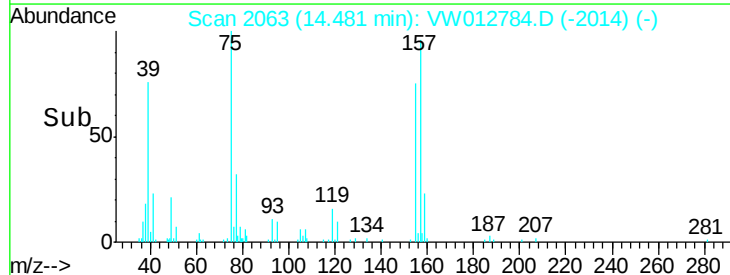
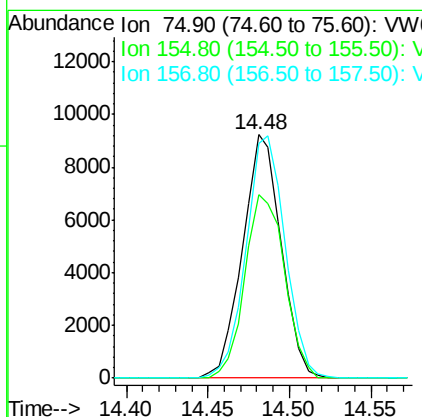
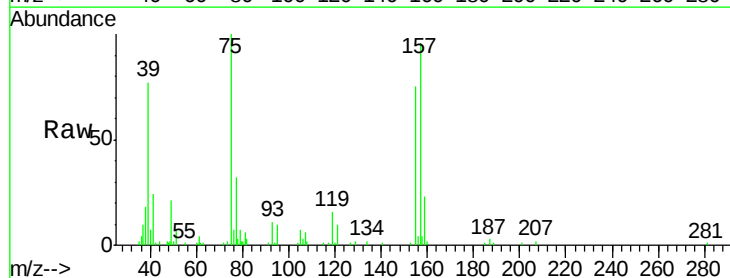
Manual Integrations
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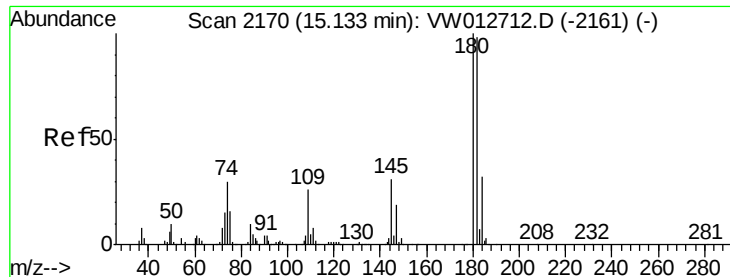
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 9/9/2019 11:25:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.287 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15156		
155	77.7	40.6	122.0	
157	101.0	52.5	157.5	





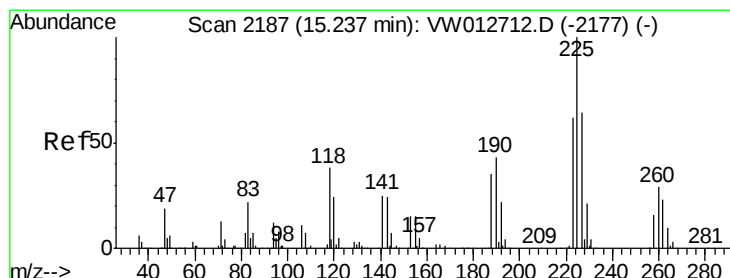
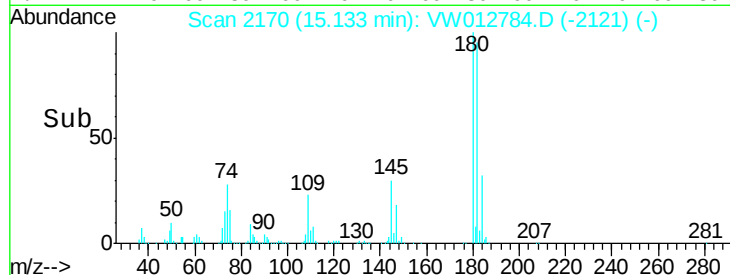
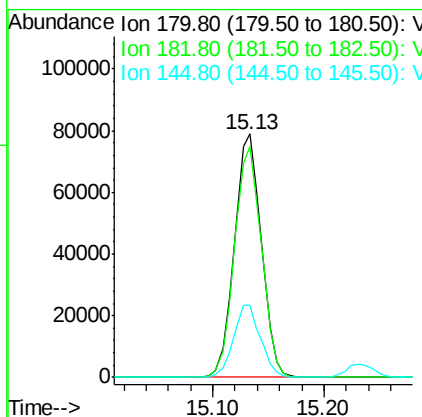
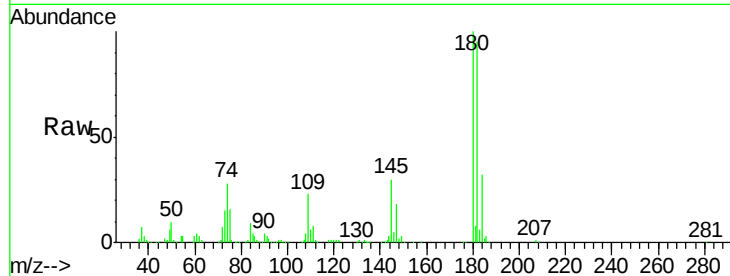
#93
 1,2,4-Trichlorobenzene
 Concen: 51.767 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	131540		
182	95.7	48.7	146.1	
145	29.8	15.0	45.1	

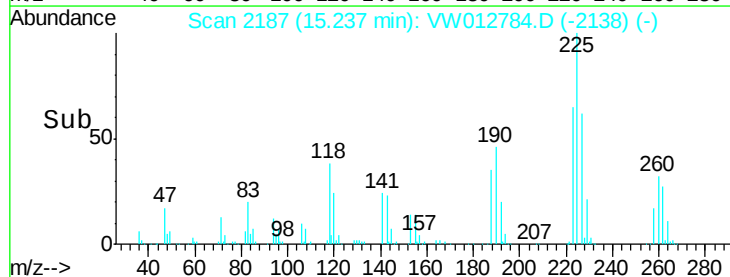
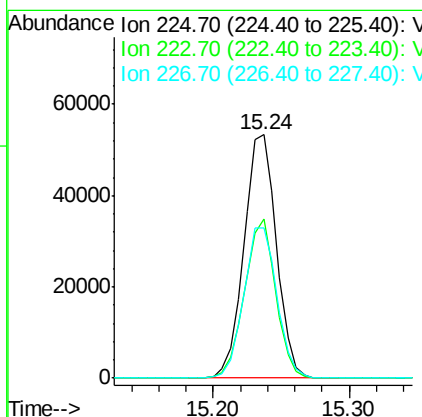
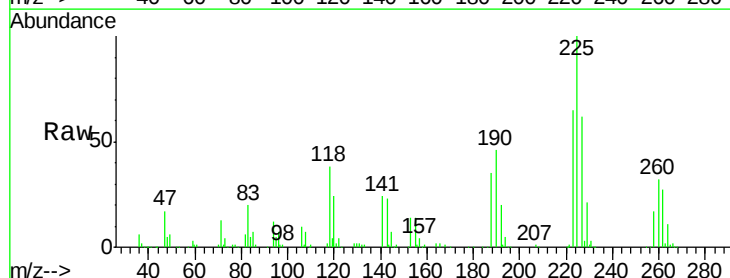
Manual Integrations
 APPROVED

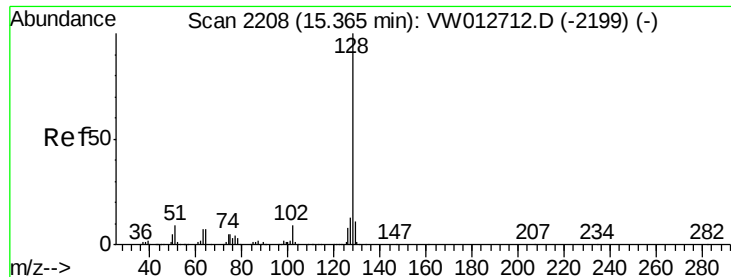
MMDadoda
 9/9/2019 11:25:06 AM



#94
 Hexachlorobutadiene
 Concen: 50.724 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012784.D
 Acq: 08 Sep 2019 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89214		
223	62.7	31.1	93.3	
227	63.1	31.4	94.2	





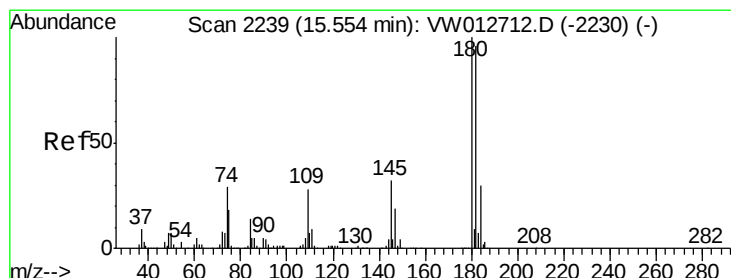
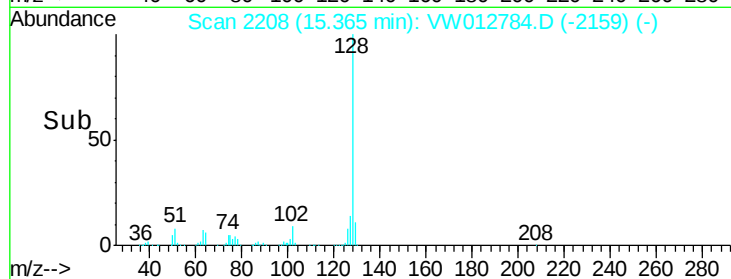
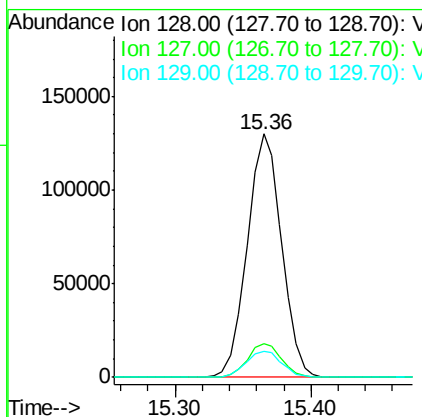
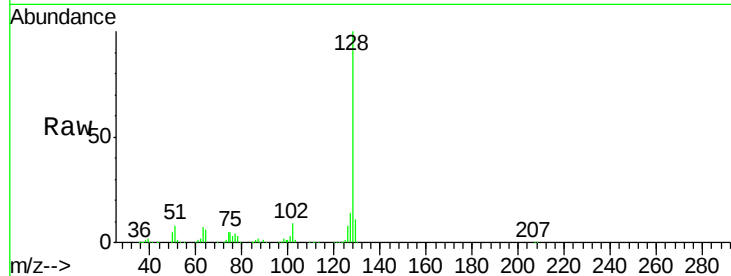
#95
Naphthalene
Concen: 43.722 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	229627
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.7	16.1
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/9/2019 11:25:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.508 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW012784.D
Acq: 08 Sep 2019 21:34

Tgt Ion:	180	Resp:	117773
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.8	143.3
145	31.6	15.4	46.2

