

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\
 Data File : VW012680.D
 Acq On : 06 Sep 2019 09:05
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:30:38 PM

Quant Time: Sep 06 11:26:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	168000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	287825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	134384	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127870	64.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.06%	
35) Dibromofluoromethane	7.88	113	94417	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
50) Toluene-d8	10.32	98	345006	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.62	95	130796	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	39747	38.424	ug/l	99
3) Chloromethane	2.21	50	68718	42.878	ug/l	98
4) Vinyl Chloride	2.36	62	73545	37.493	ug/l	98
5) Bromomethane	2.77	94	48969	49.293	ug/l	98
6) Chloroethane	2.90	64	49957	45.146	ug/l	99
7) Trichlorofluoromethane	3.25	101	42693	43.345	ug/l	97
8) Diethyl Ether	3.68	74	64713	69.218	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	78763	47.044	ug/l	95
10) Methyl Iodide	4.26	142	136024	60.047	ug/l	99
11) Tert butyl alcohol	5.21	59	48771	405.799	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	80548	47.800	ug/l	96
13) Acrolein	3.89	56	18986	167.821	ug/l	96
14) Allyl chloride	4.66	41	193894	53.822	ug/l	98
15) Acrylonitrile	5.37	53	173505	374.416	ug/l	99
16) Acetone	4.14	43	144352	282.764	ug/l	98
17) Carbon Disulfide	4.38	76	209532	41.143	ug/l	99
18) Methyl Acetate	4.67	43	129847	102.693	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	212677	78.044	ug/l	98
20) Methylene Chloride	4.91	84	119382	61.859	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	99765	55.209	ug/l	96
22) Diisopropyl ether	6.31	45	434032	64.998	ug/l	99
23) Vinyl Acetate	6.25	43	1245015	302.959	ug/l	100
24) 1,1-Dichloroethane	6.21	63	217588	59.845	ug/l	99
25) 2-Butanone	7.17	43	231922	334.319	ug/l	96
26) 2,2-Dichloropropane	7.17	77	96579	46.930	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	120454	62.390	ug/l	96
28) Bromochloromethane	7.51	49	94998	59.947	ug/l	91
29) Tetrahydrofuran	7.53	42	155194	372.884	ug/l	97
30) Chloroform	7.67	83	218136	65.577	ug/l	98
31) Cyclohexane	7.95	56	139856	38.879	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	152270	57.865	ug/l	99
36) 1,1-Dichloropropene	8.08	75	138921	46.707	ug/l	99
37) Ethyl Acetate	7.25	43	102265	62.743	ug/l	99
38) Carbon Tetrachloride	8.06	117	130119	50.544	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	139361	41.707	ug/l	99
40) Benzene	8.32	78	448603	55.235	ug/l	100
41) Methacrylonitrile	7.48	41	65574	68.453	ug/l	97
42) 1,2-Dichloroethane	8.40	62	174227	68.448	ug/l	100
43) Isopropyl Acetate	8.42	43	199403	66.048	ug/l	99
44) Trichloroethene	9.09	130	109132	55.275	ug/l	99
45) 1,2-Dichloropropane	9.37	63	127252	58.218	ug/l	100
46) Dibromomethane	9.46	93	65351	67.198	ug/l	96
47) Bromodichloromethane	9.64	83	169623	65.535	ug/l	99
48) Methyl methacrylate	9.44	41	107282	74.661	ug/l	96
49) 1,4-Dioxane	9.46	88	20882	1402.594	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	549354	357.747	ug/l	100
52) Toluene	10.38	92	277540	56.884	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	168862	64.048	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	188949	59.354	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	93755	68.137	ug/l	97
56) Ethyl methacrylate	10.65	69	142326	71.070	ug/l	99
57) 1,3-Dichloropropane	10.93	76	164667	63.327	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	332568	323.576	ug/l	99
59) 2-Hexanone	10.97	43	363385	334.445	ug/l	100
60) Dibromochloromethane	11.13	129	104160	67.962	ug/l	100
61) 1,2-Dibromoethane	11.23	107	85843	66.965	ug/l	99
64) Tetrachloroethene	10.86	164	102703	59.879	ug/l	99
65) Chlorobenzene	11.66	112	291870	56.028	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	110703	60.915	ug/l	98
67) Ethyl Benzene	11.73	91	528301	52.647	ug/l	100
68) m/p-Xylenes	11.84	106	389531	107.764	ug/l	100
69) o-Xylene	12.16	106	190587	56.968	ug/l	100
70) Styrene	12.18	104	342316	59.115	ug/l	99
71) Bromoform	12.35	173	62811	69.371	ug/l	100
73) Isopropylbenzene	12.46	105	504240	50.076	ug/l	99
74) N-amyl acetate	12.27	43	156248	51.358	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	112796	61.101	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	93142m	71.166	ug/l	
77) Bromobenzene	12.74	156	128915	59.178	ug/l	95
78) n-propylbenzene	12.80	91	608025	49.461	ug/l	98
79) 2-Chlorotoluene	12.89	91	372196	53.329	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	445743	52.976	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	32094	53.765	ug/l	96
82) 4-Chlorotoluene	12.99	91	390446	53.429	ug/l	99
83) tert-Butylbenzene	13.21	119	376795	52.865	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	457767	54.159	ug/l	99
85) sec-Butylbenzene	13.38	105	504438	49.400	ug/l	100
86) p-Isopropyltoluene	13.50	119	466556	51.161	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	238175	55.897	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	236475	55.893	ug/l	100
89) n-Butylbenzene	13.82	91	429975	47.413	ug/l	99
90) Hexachloroethane	14.09	117	83547	52.218	ug/l	90
91) 1,2-Dichlorobenzene	13.87	146	219819	58.807	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19953	64.113	ug/l	97

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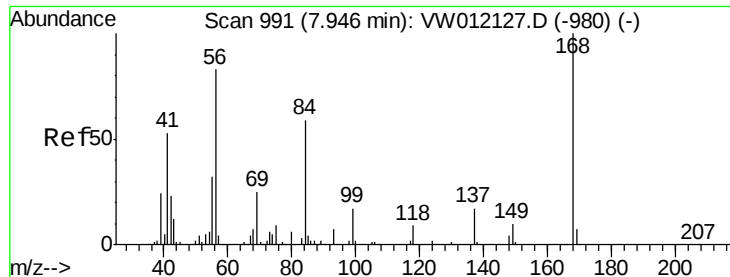
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	150748	58.358	ug/l	99
94) Hexachlorobutadiene	15.24	225	91221	53.481	ug/l	97
95) Naphthalene	15.36	128	303638	59.046	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	140940	62.536	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 168000

Ion Ratio Lower Upper

168 100

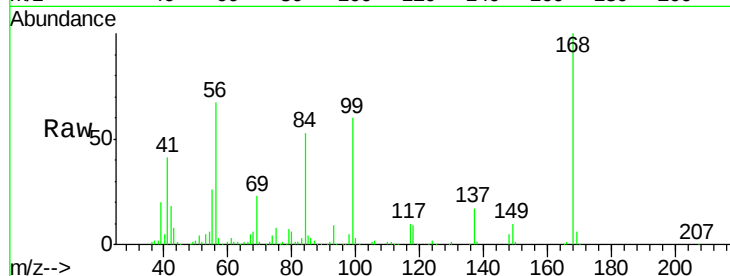
99 59.8 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

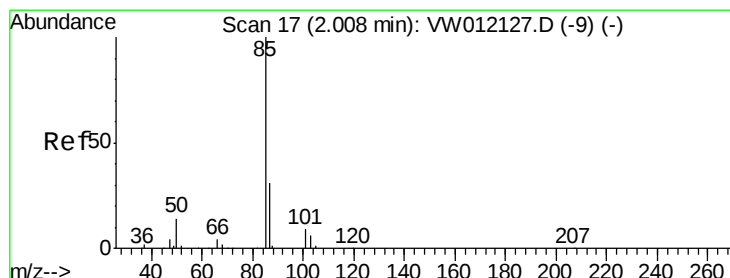
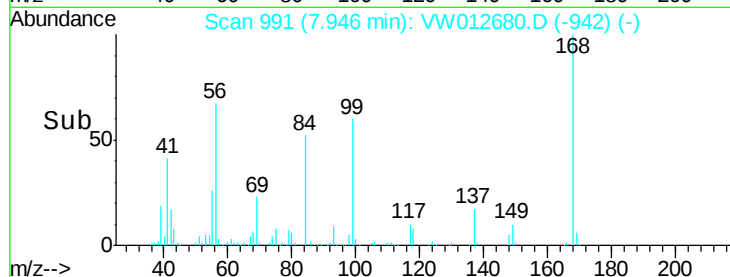
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 38.424 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012680.D

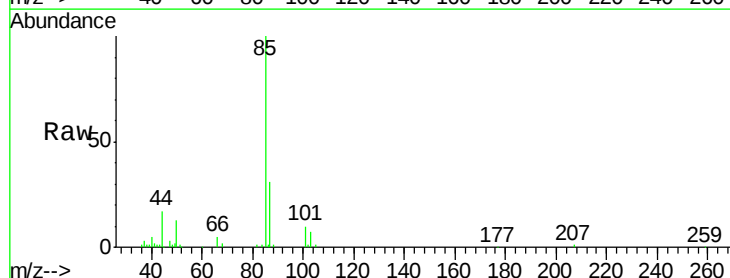
Acq: 06 Sep 2019 09:05

Tgt Ion: 85 Resp: 39747

Ion Ratio Lower Upper

85 100

87 30.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

10000

5000

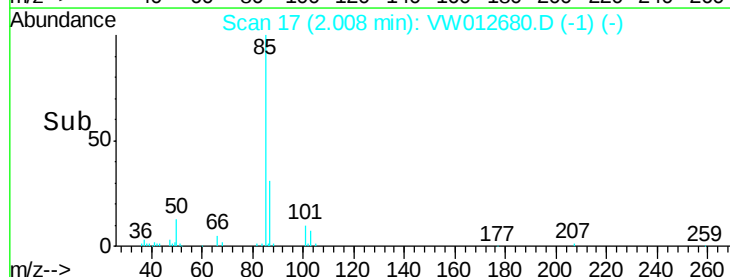
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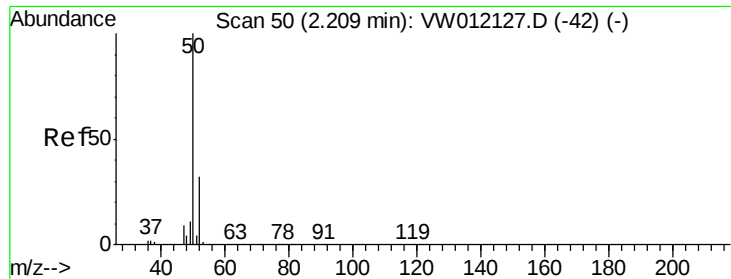
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 42.878 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 68718

Ion Ratio Lower Upper

50 100

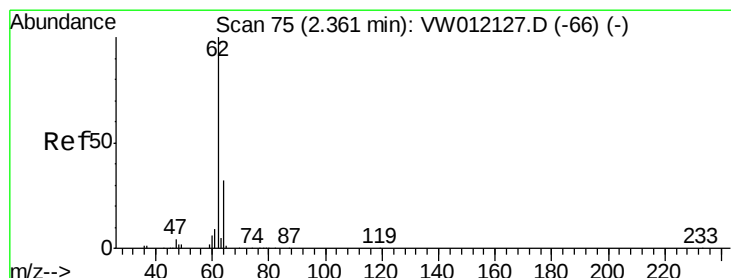
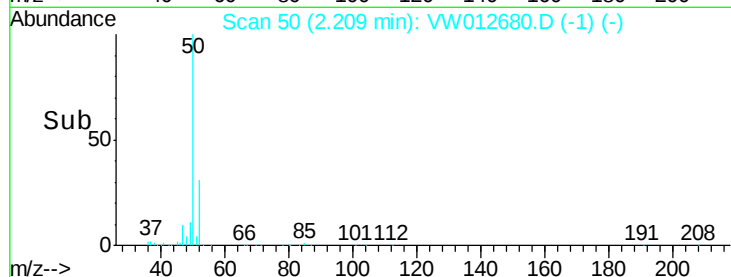
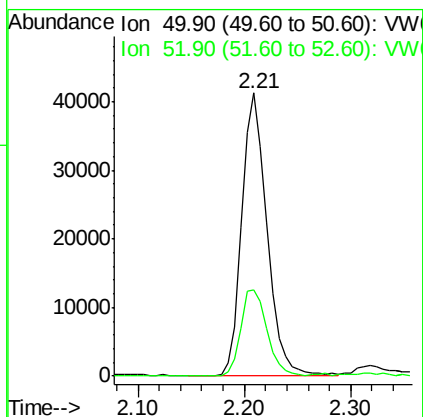
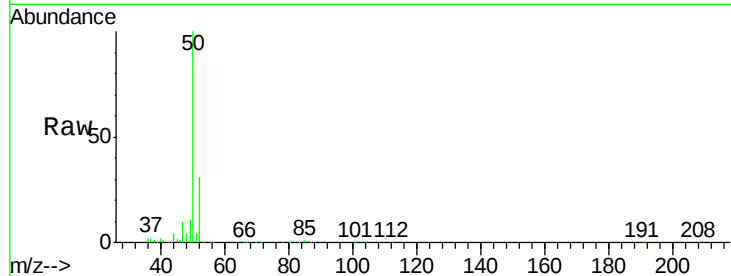
52 30.7 25.5 38.3

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#4

Vinyl Chloride

Concen: 37.493 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012680.D

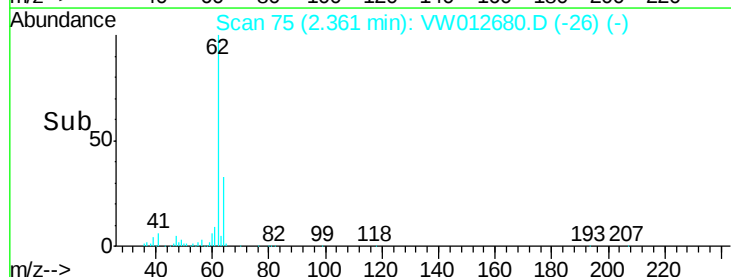
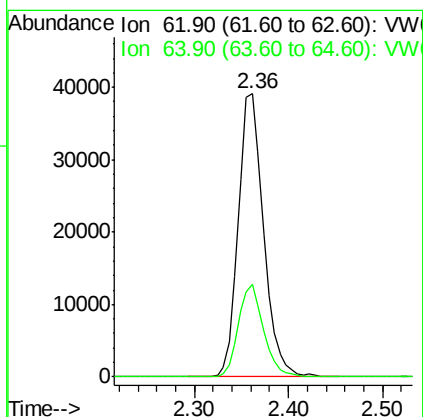
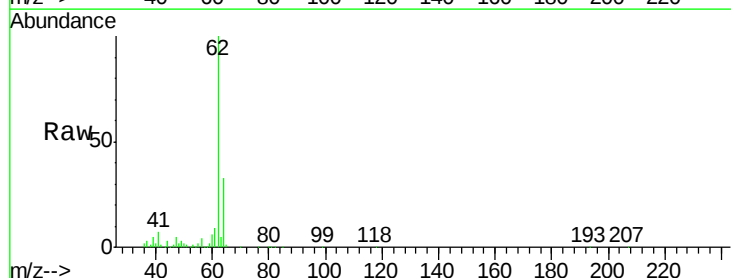
Acq: 06 Sep 2019 09:05

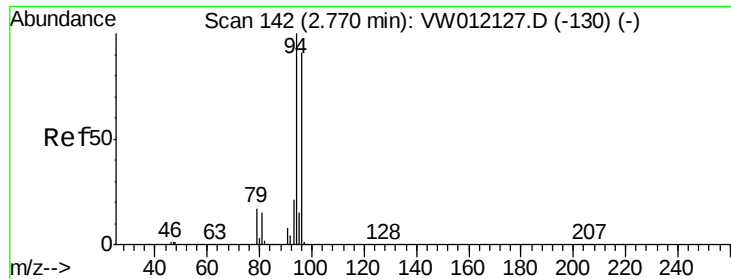
Tgt Ion: 62 Resp: 73545

Ion Ratio Lower Upper

62 100

64 32.5 25.3 37.9





#5

Bromomethane

Concen: 49.293 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 48969

Ion Ratio Lower Upper

94 100

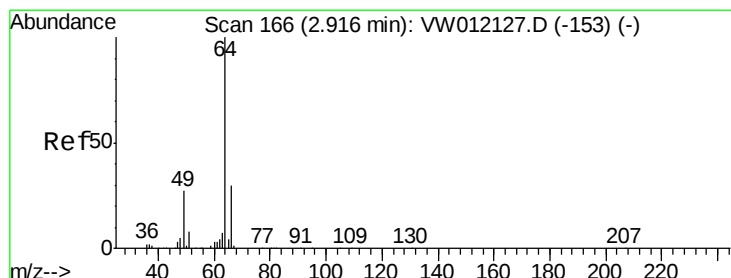
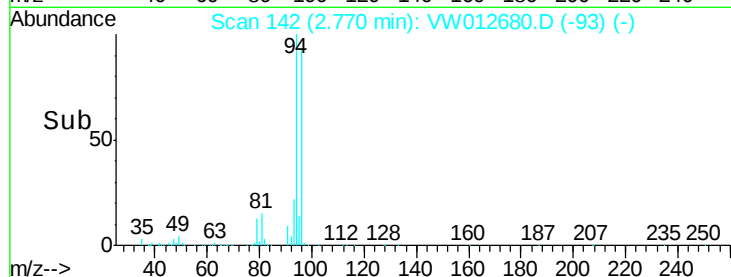
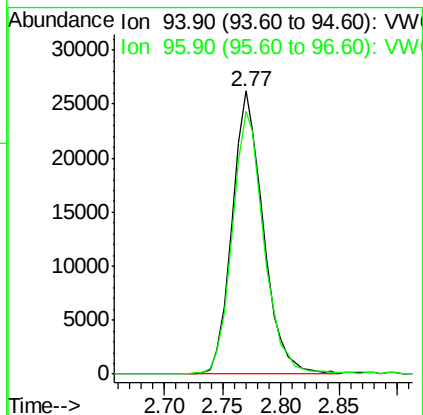
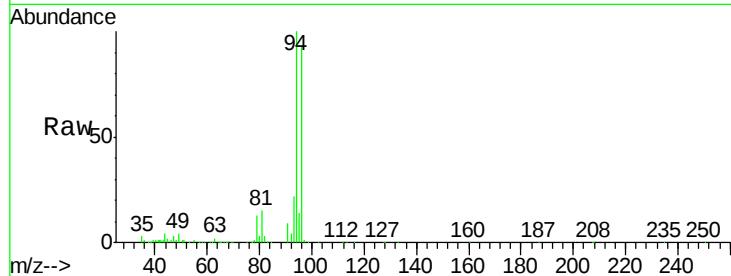
96 92.8 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 45.146 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012680.D

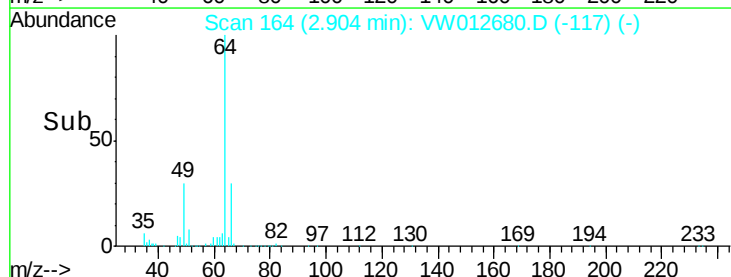
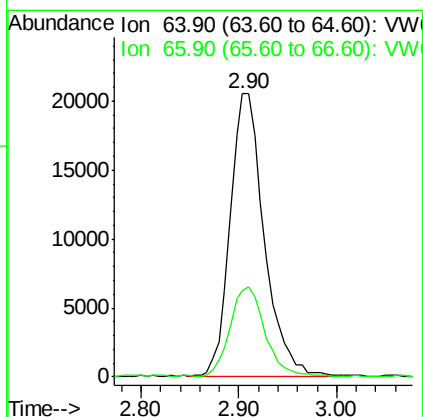
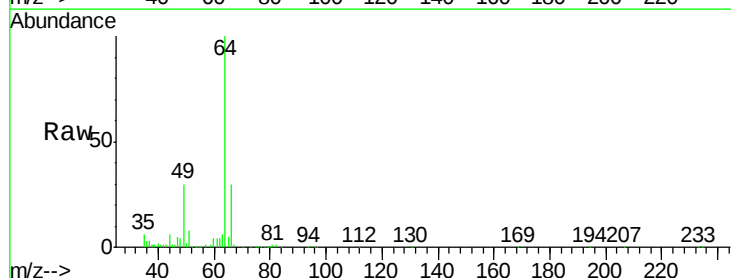
Acq: 06 Sep 2019 09:05

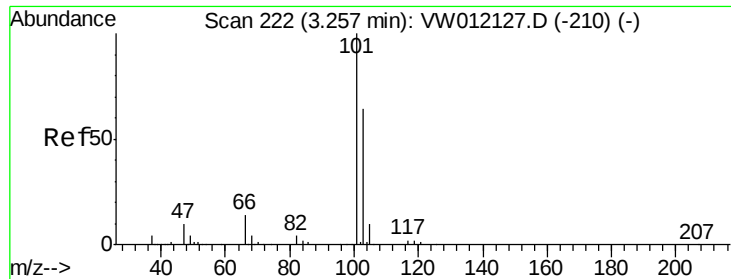
Tgt Ion: 64 Resp: 49957

Ion Ratio Lower Upper

64 100

66 30.4 23.8 35.8





#7

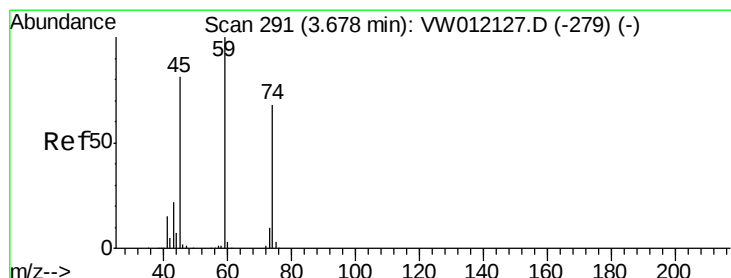
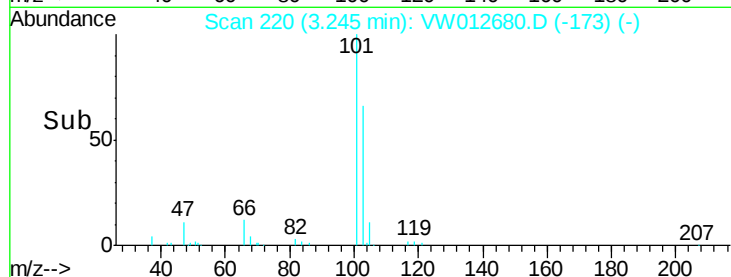
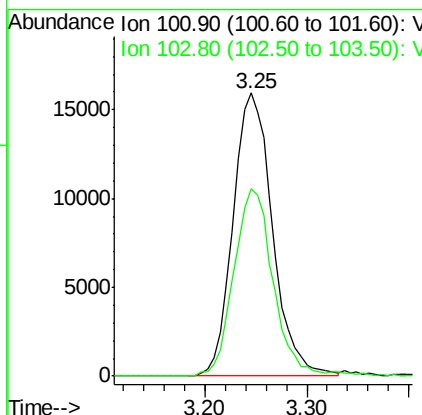
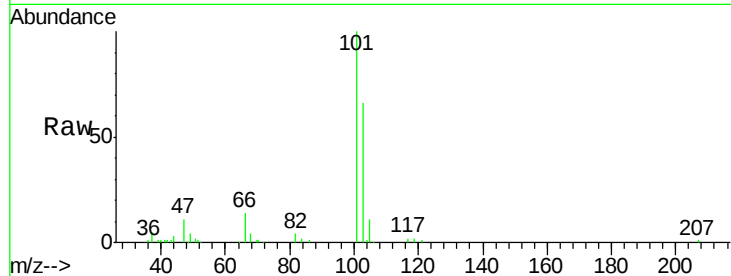
Trichlorofluoromethane
 Concen: 43.345 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012680.D
 Acq: 06 Sep 2019 09:05

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.2	76.8

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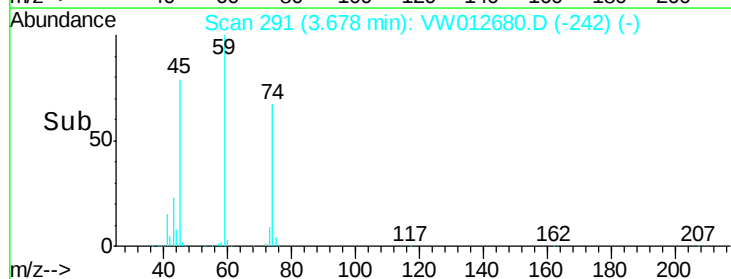
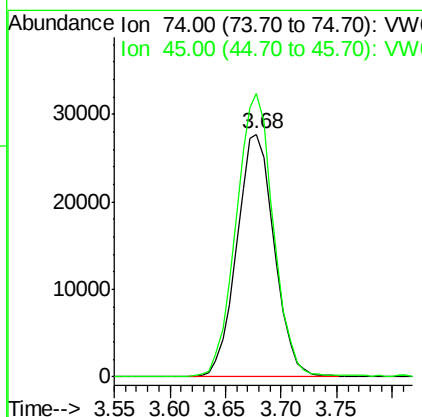
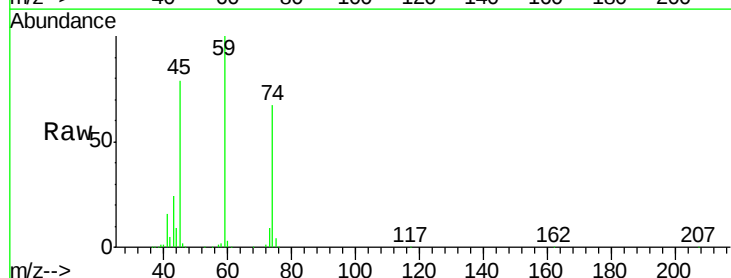
MMDadoda
 9/6/2019 12:30:38 PM

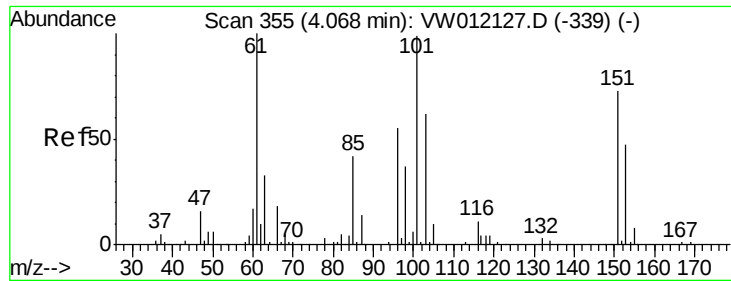


#8

Diethyl Ether
 Concen: 69.218 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012680.D
 Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.7	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.044 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

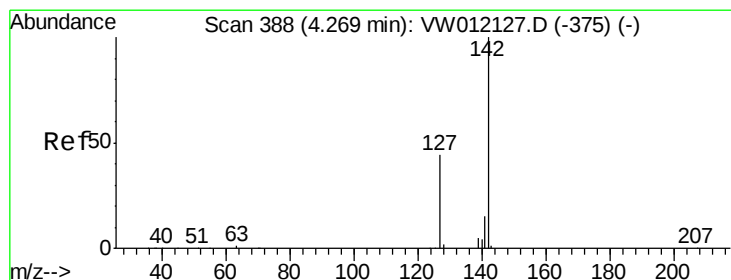
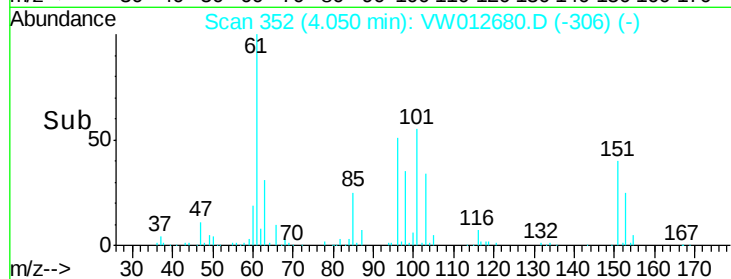
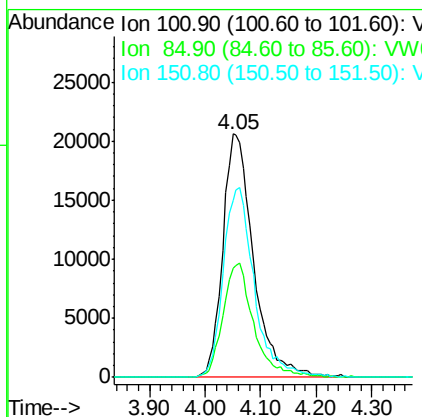
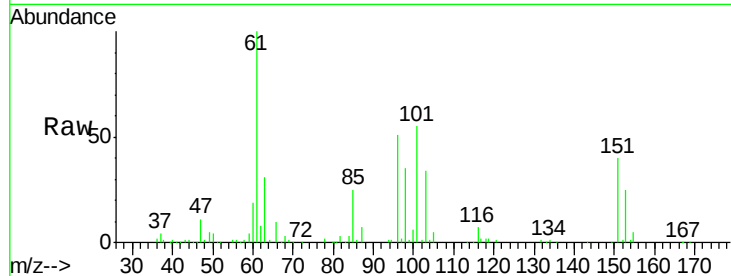
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	78763
Ion Ratio	Lower	Upper	
101	100		
85	46.8	35.8	53.6
151	79.0	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 60.047 ug/l

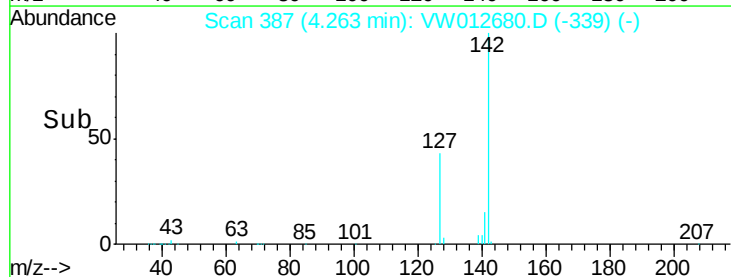
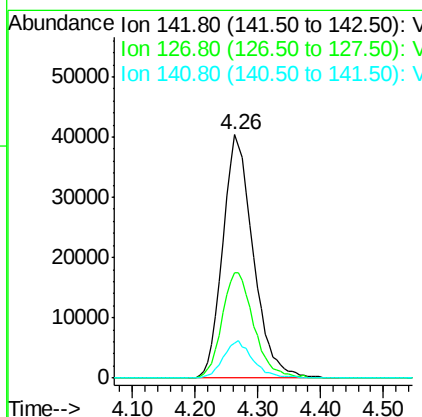
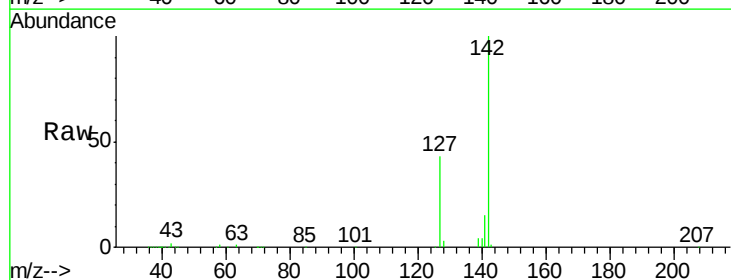
RT: 4.26 min Scan# 387

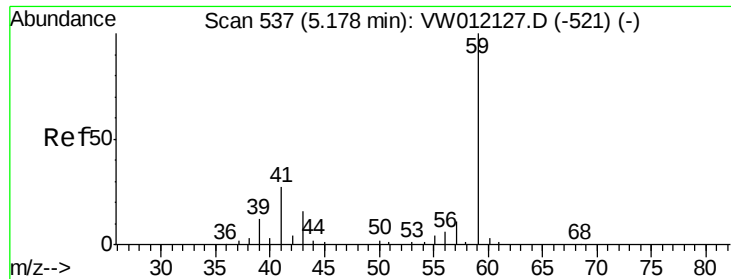
Delta R.T. -0.01 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Tgt Ion:	142	Resp:	136024
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.5	53.3
141	15.0	11.8	17.8





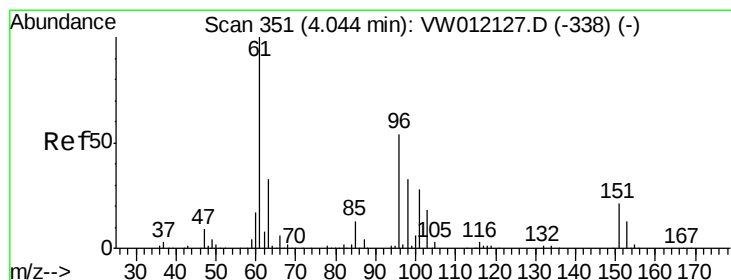
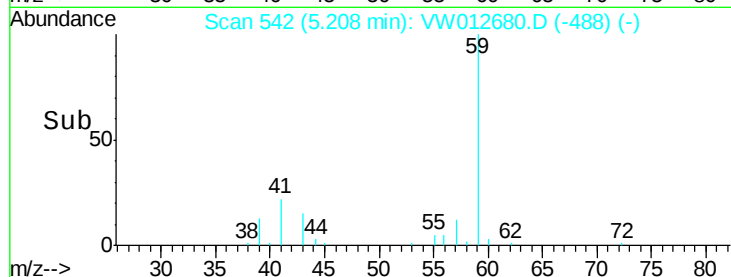
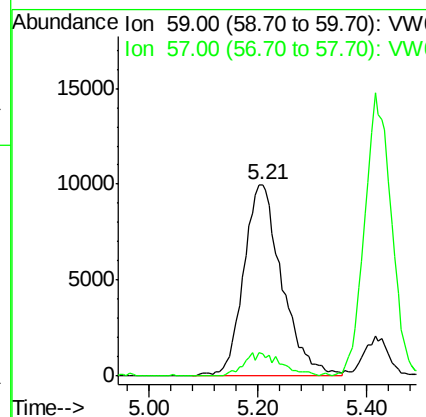
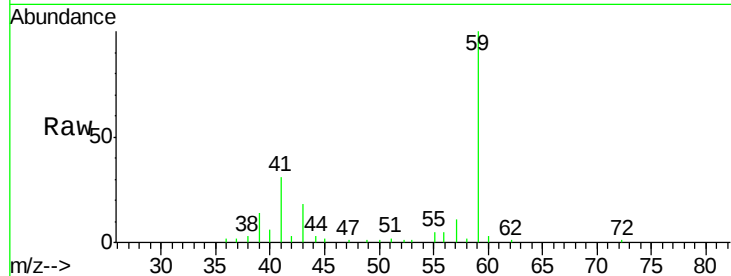
#11
Tert butyl alcohol
Concen: 405.799 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.03 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.2	9.0	13.4#

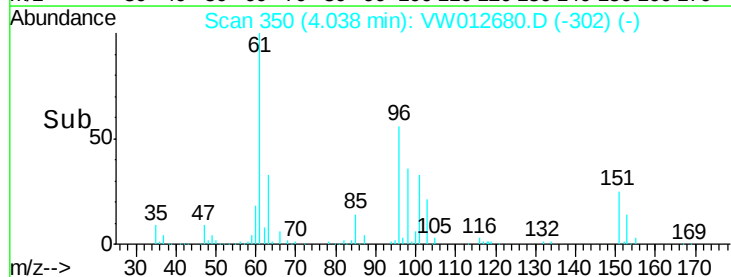
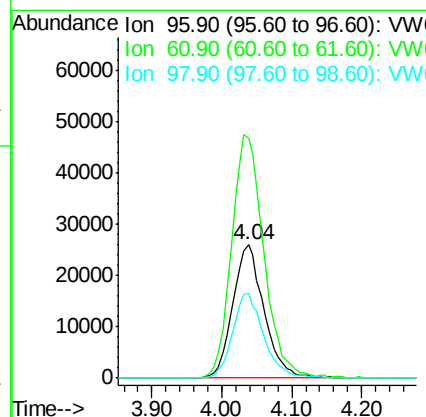
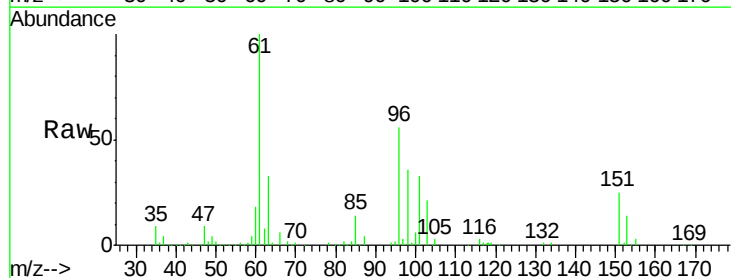
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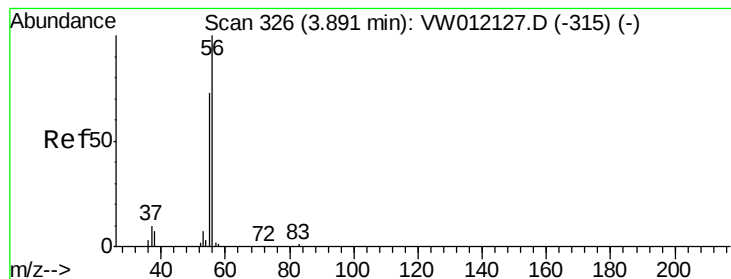
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#12
1,1-Dichloroethene
Concen: 47.800 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.1	149.1	223.7
98	64.0	49.4	74.2





#13

Acrolein

Concen: 167.821 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 18986

Ion Ratio Lower Upper

56 100

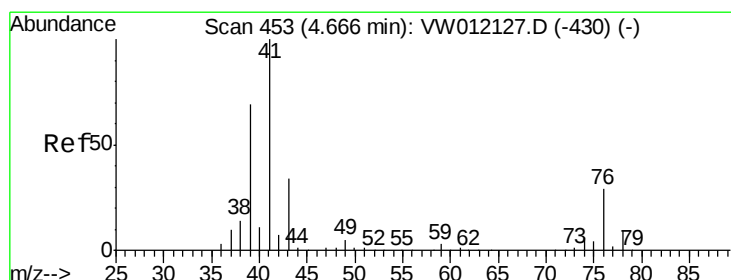
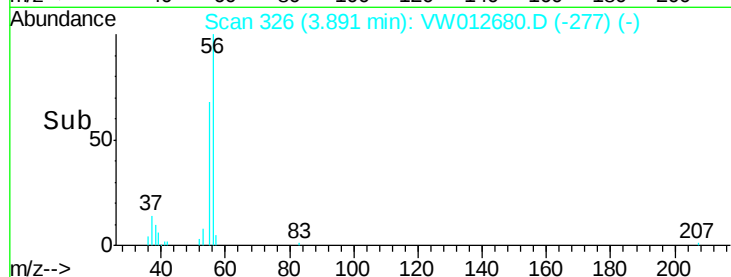
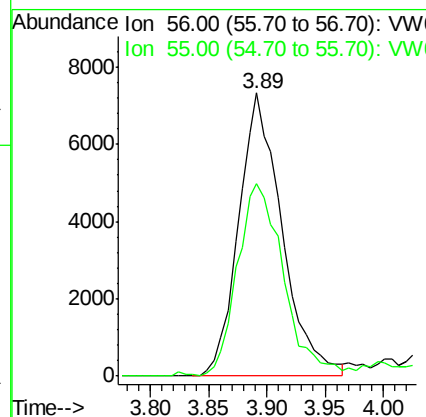
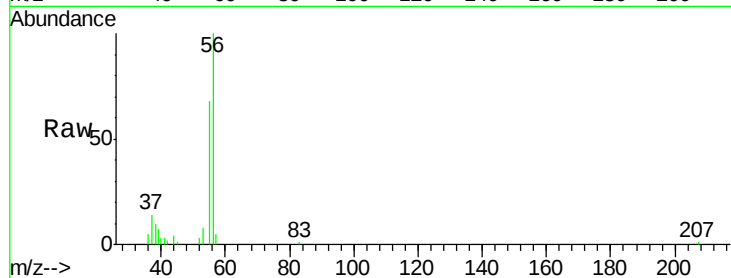
55 73.0 55.8 83.8

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#14

Allyl chloride

Concen: 53.822 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

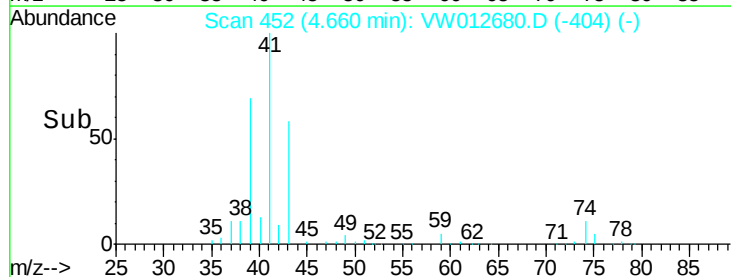
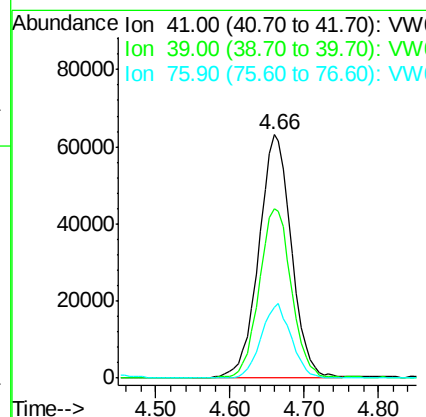
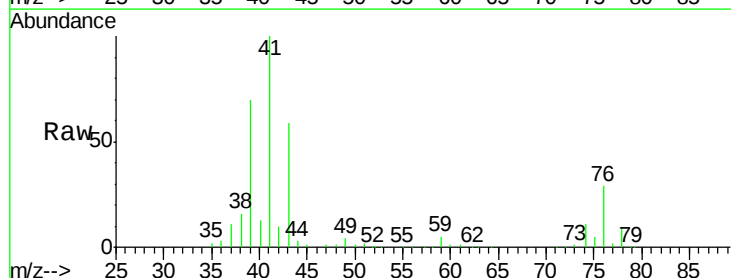
Tgt Ion: 41 Resp: 193894

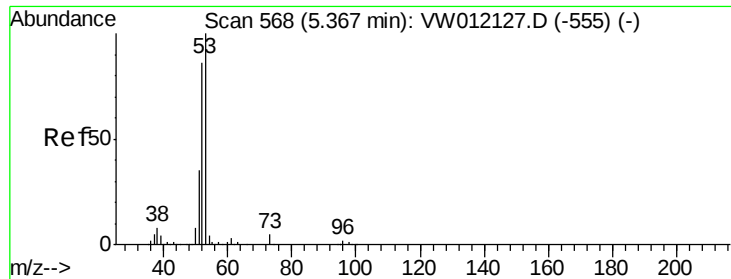
Ion Ratio Lower Upper

41 100

39 68.6 53.4 80.2

76 28.3 22.1 33.1





#15

Acrylonitrile

Concen: 374.416 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

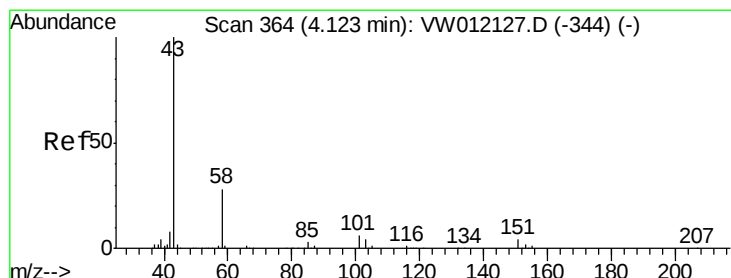
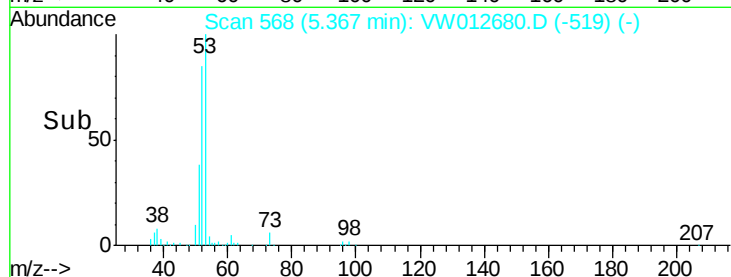
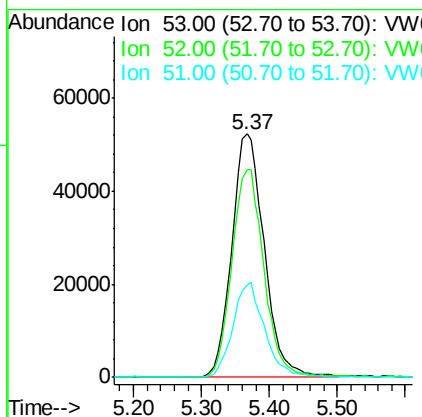
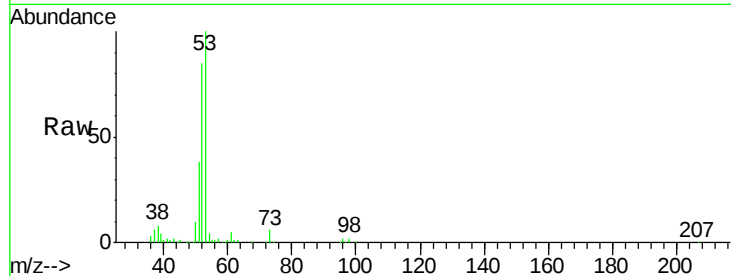
ClientSampled :

VSTDCCC050EC

Tot Ion:	53	Resp:	173505
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.7	100.1
51	38.1	30.1	45.1

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#16

Acetone

Concen: 282.764 ug/l

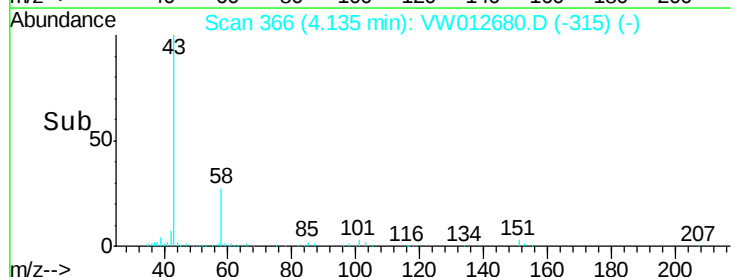
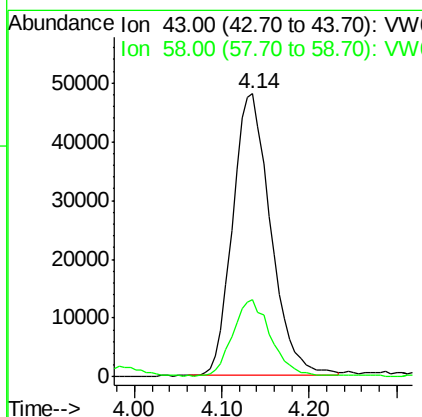
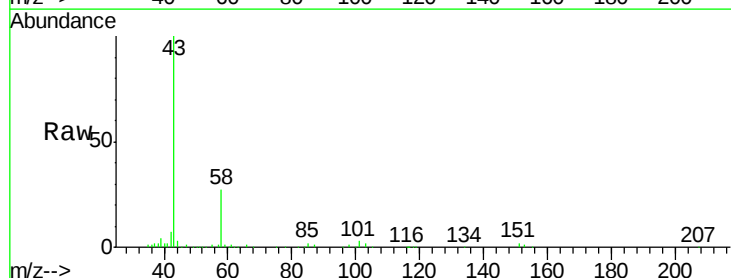
RT: 4.14 min Scan# 366

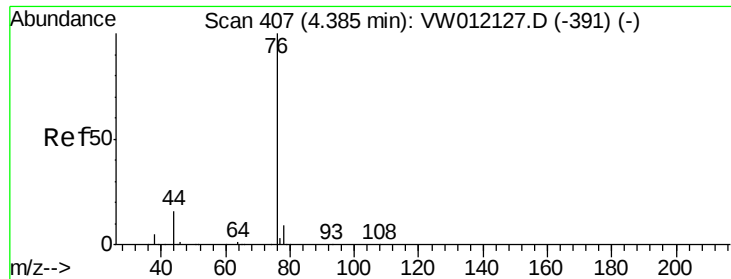
Delta R.T. 0.01 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Tgt Ion:	43	Resp:	144352
Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.4	33.6





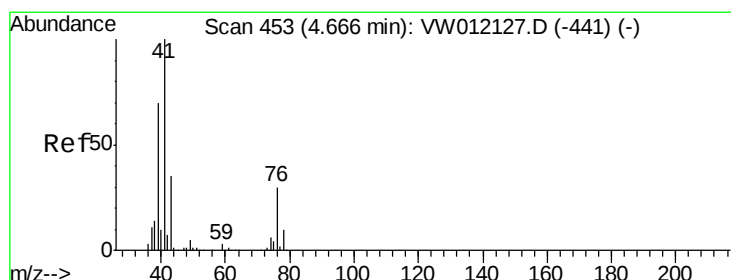
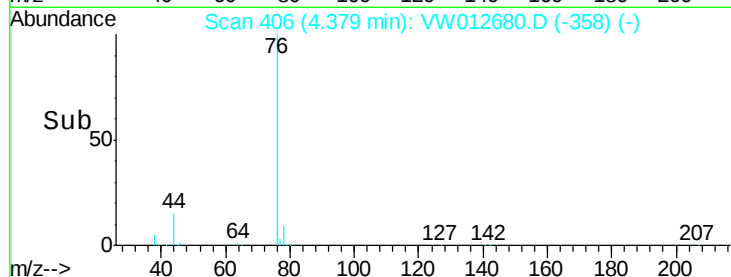
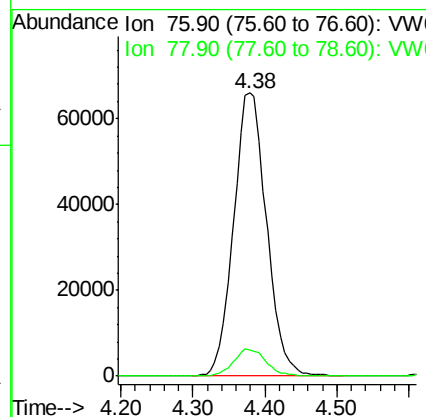
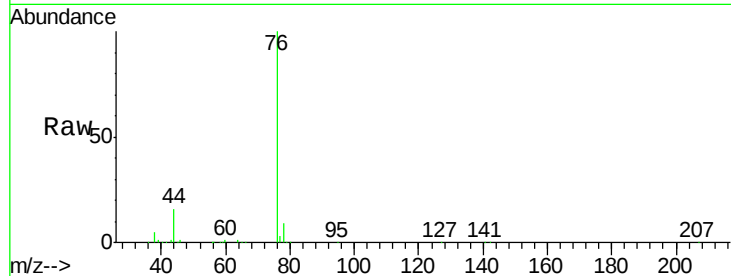
#17
Carbon Disulfide
Concen: 41.143 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

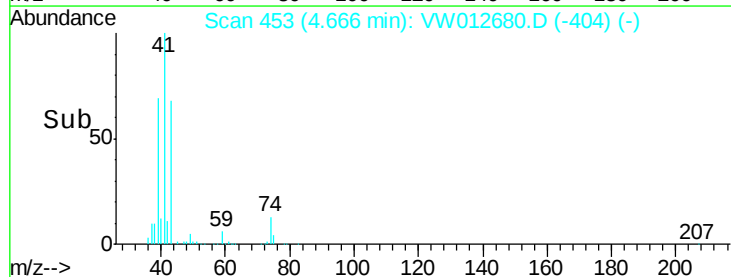
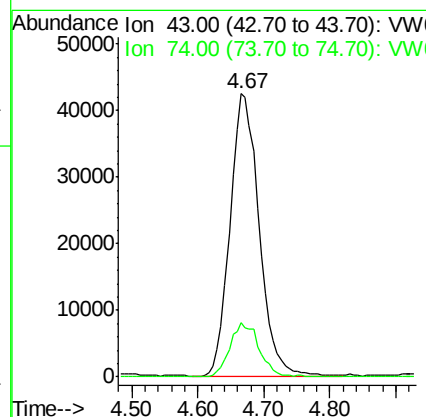
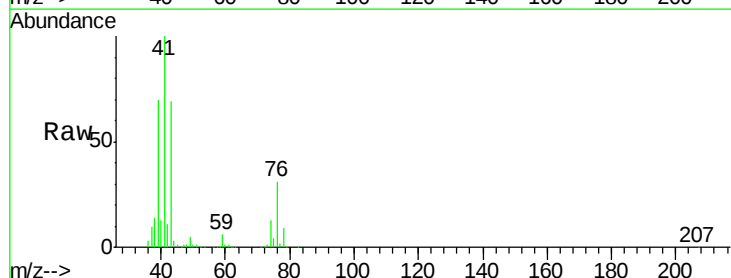
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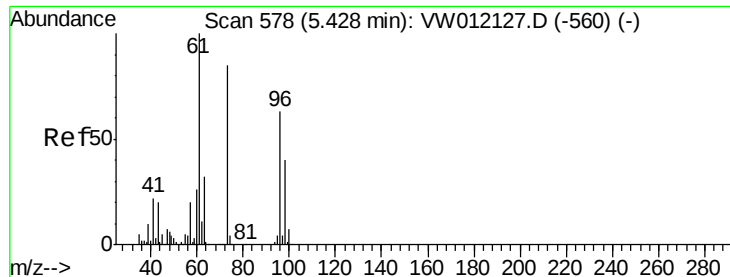
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#18
Methyl Acetate
Concen: 102.693 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	15.7	23.5





#19

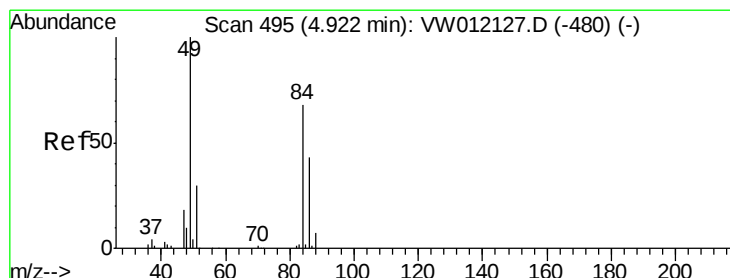
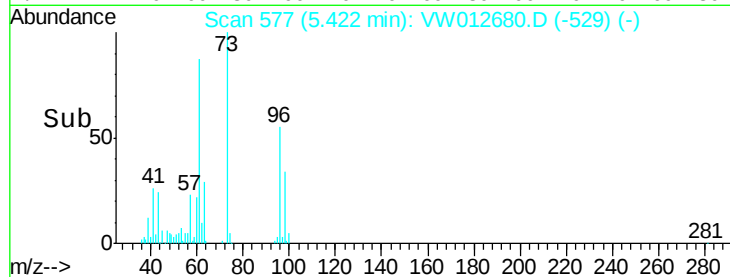
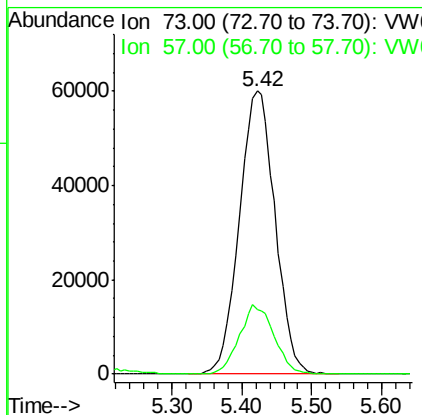
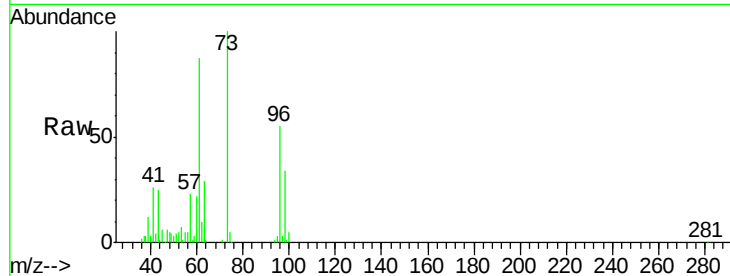
Methyl tert-butyl Ether
 Concen: 78.044 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012680.D
 Acq: 06 Sep 2019 09:05

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.9	28.3

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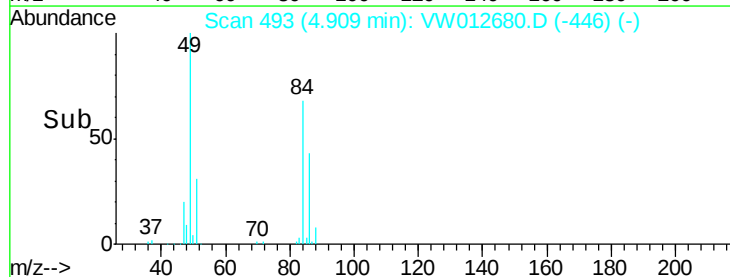
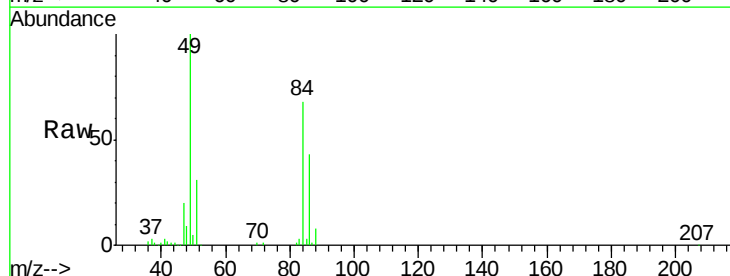
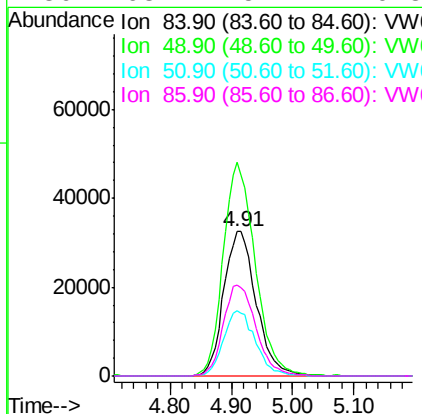
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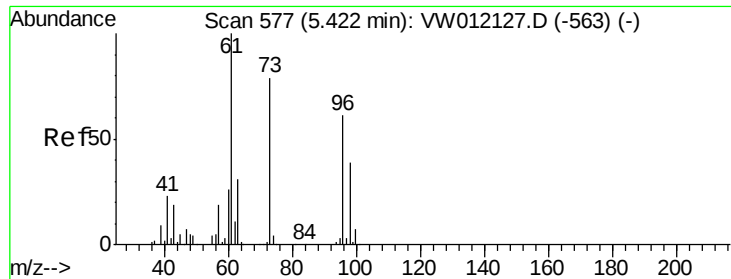


#20

Methylene Chloride
 Concen: 61.859 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012680.D
 Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.9	117.8	176.8
51	45.5	35.6	53.4
86	63.2	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 55.209 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

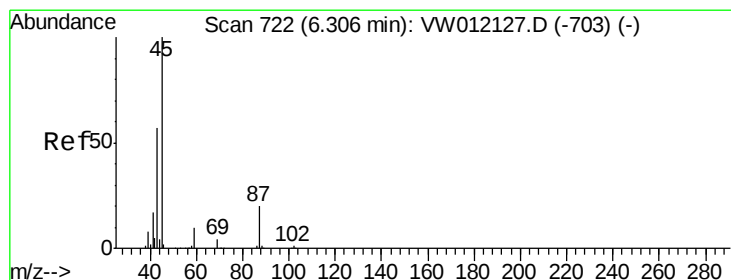
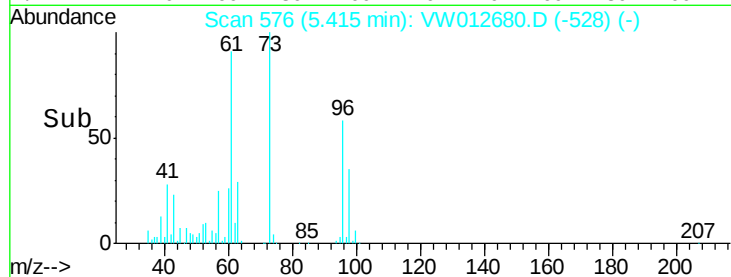
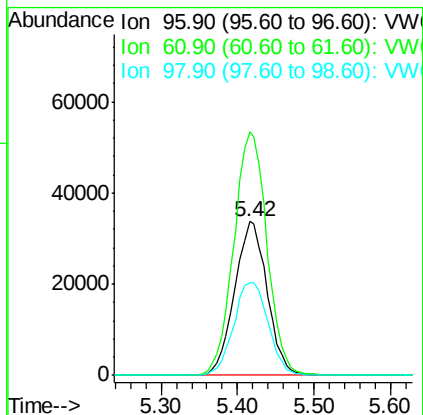
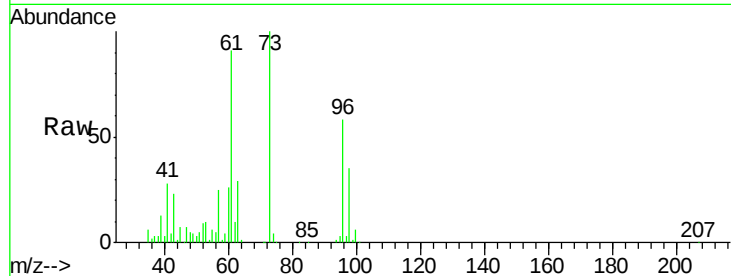
ClientSampled :

VSTDCCC050EC

Tot Ion:	96	Resp:	99765
Ion	Ratio	Lower	Upper
96	100		
61	158.6	131.4	197.0
98	60.6	51.4	77.0

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#22

Diisopropyl ether

Concen: 64.998 ug/l

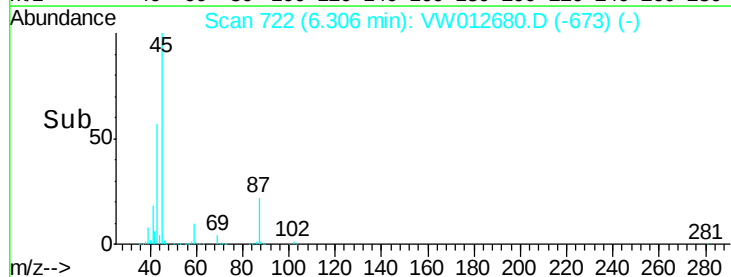
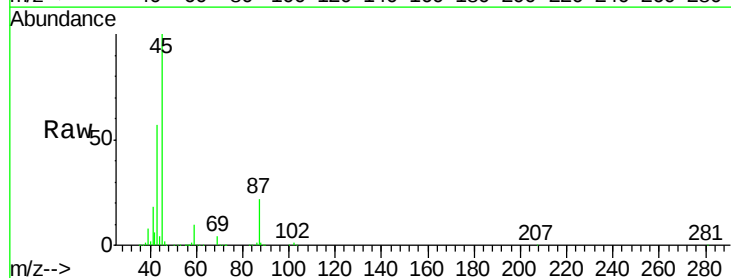
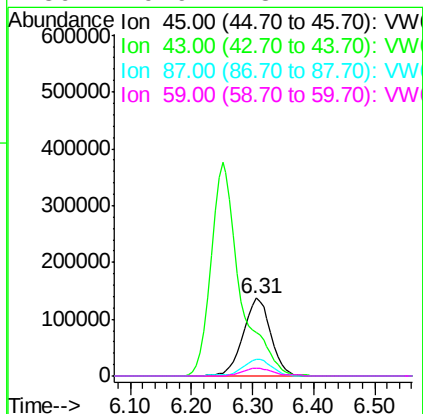
RT: 6.31 min Scan# 722

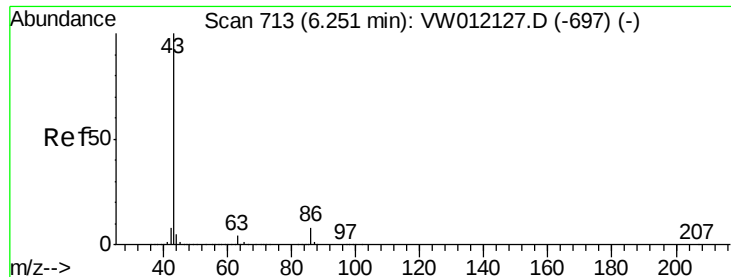
Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Tgt Ion:	45	Resp:	434032
Ion	Ratio	Lower	Upper
45	100		
43	56.4	45.5	68.3
87	21.5	16.1	24.1
59	9.9	8.2	12.2





#23

Vinyl Acetate

Concen: 302.959 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Tot Ion: 43 Resp: 1245015

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

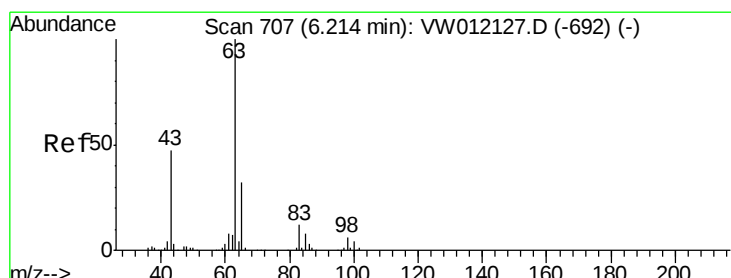
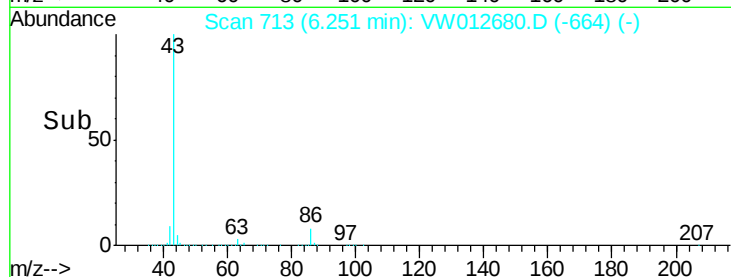
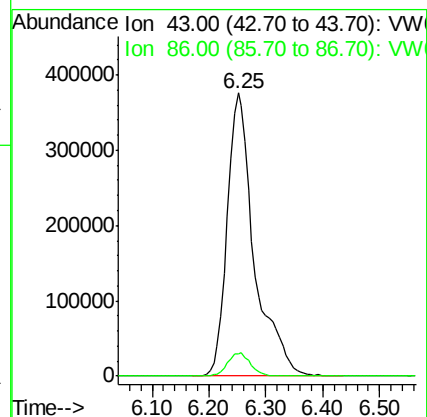
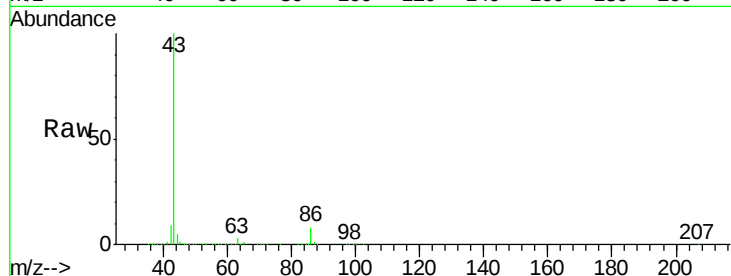
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 59.845 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

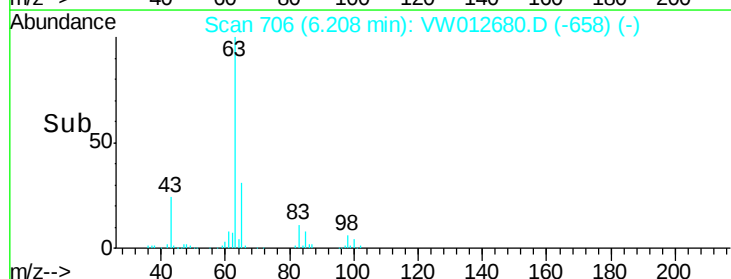
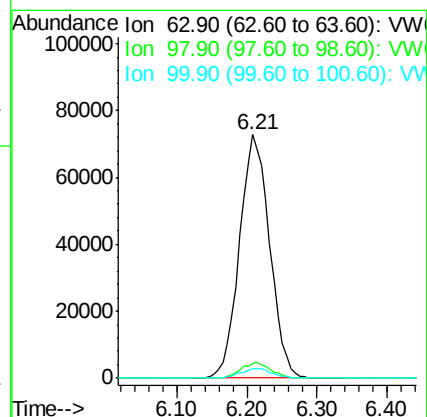
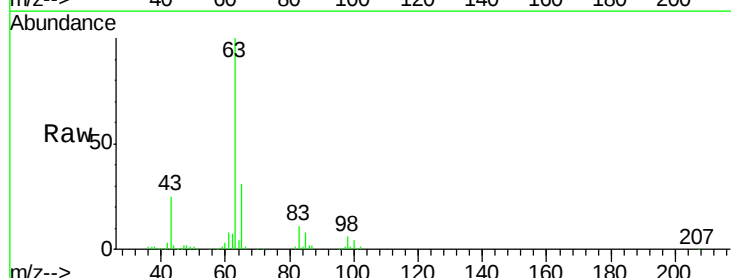
Tgt Ion: 63 Resp: 217588

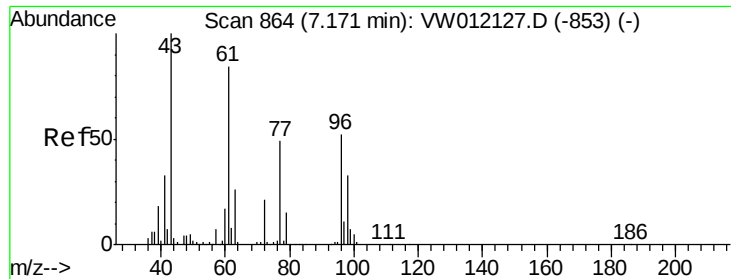
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 4.0 2.0 6.0





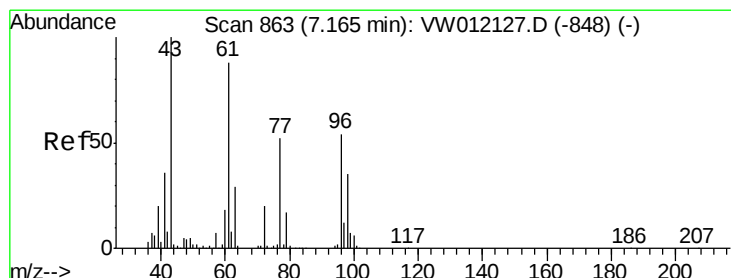
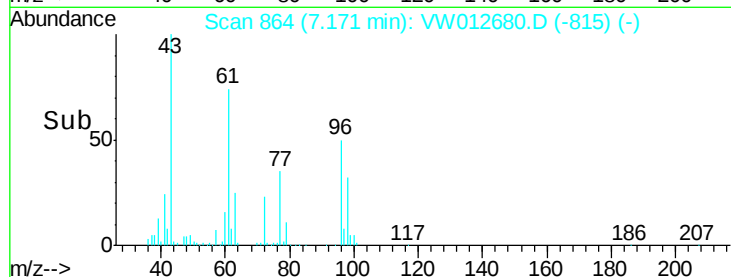
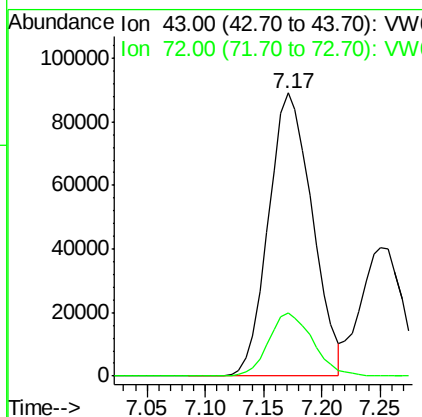
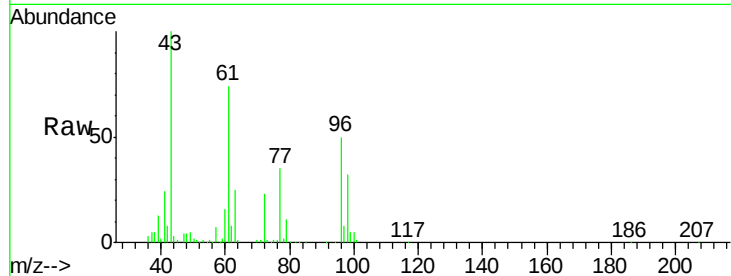
#25
2-Butanone
Concen: 334.319 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 231922
Ion Ratio Lower Upper
43 100
72 22.5 16.6 24.8

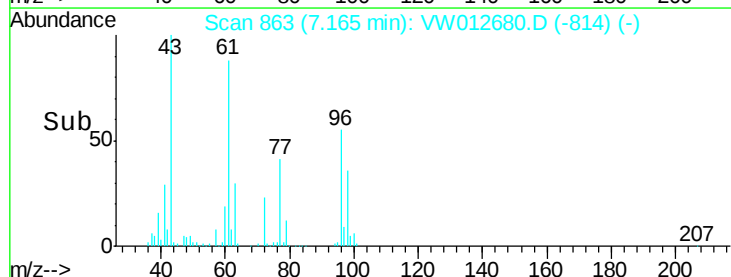
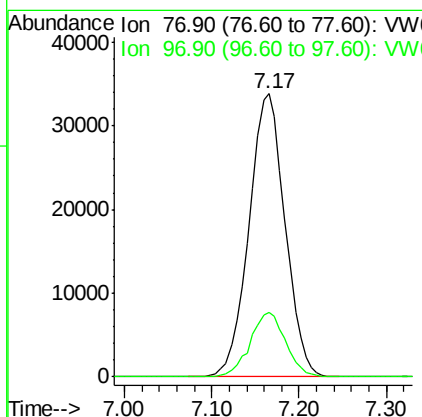
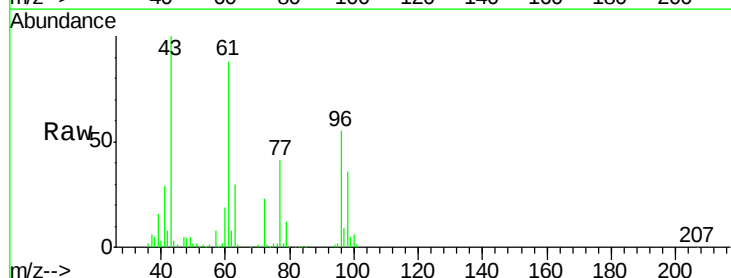
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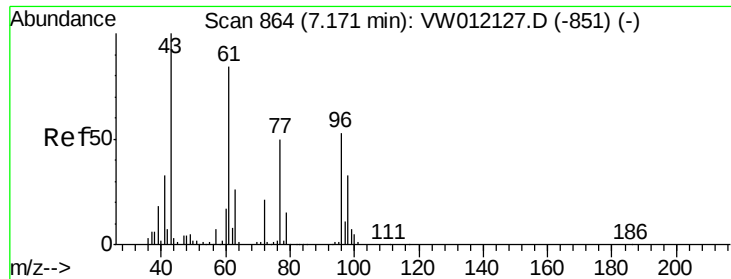
MMDadoda
9/6/2019 12:30:38 PM



#26
2,2-Dichloropropane
Concen: 46.930 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion: 77 Resp: 96579
Ion Ratio Lower Upper
77 100
97 22.5 11.1 33.1





#27

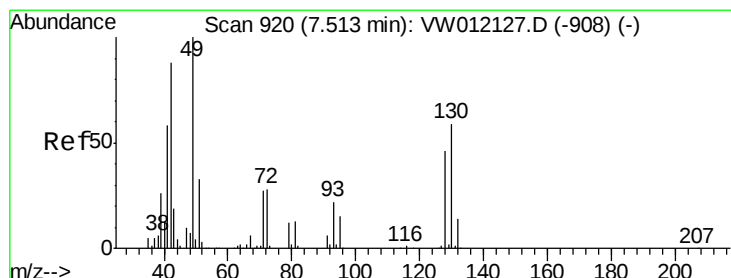
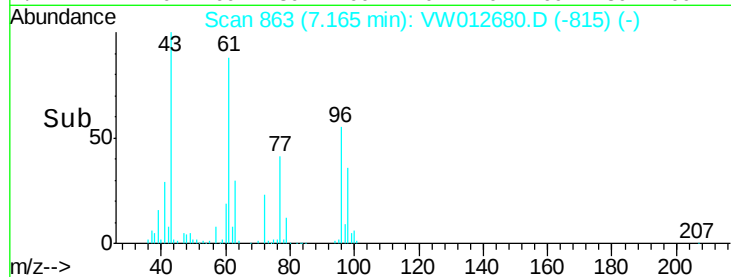
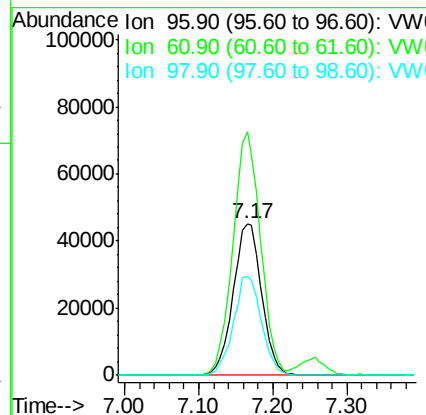
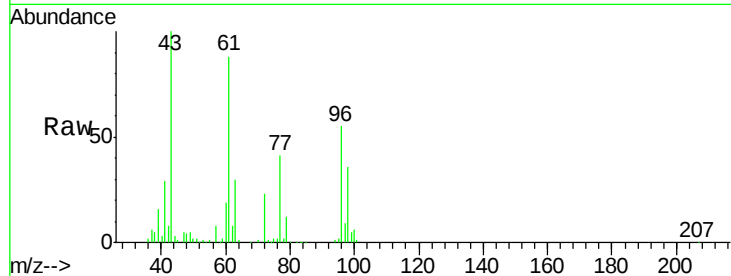
cis-1,2-Dichloroethene
 Concen: 62.390 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012680.D
 Acq: 06 Sep 2019 09:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	120454		
61	156.6		0.0	326.6
98	64.5		0.0	127.4

Manual Integrations
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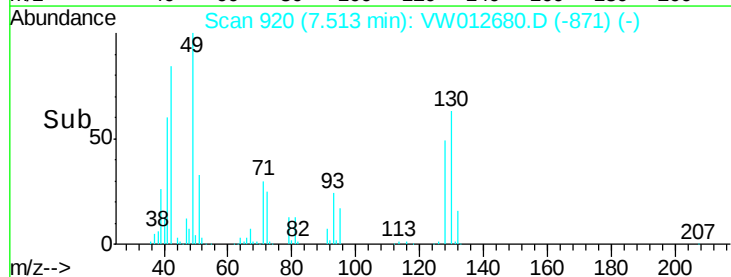
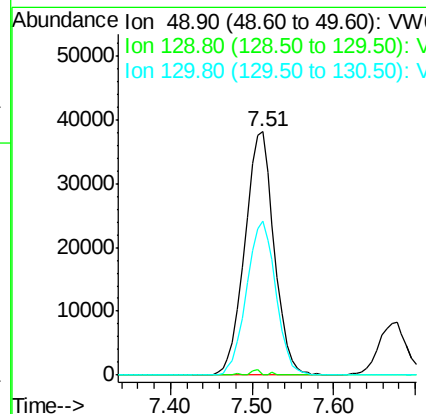
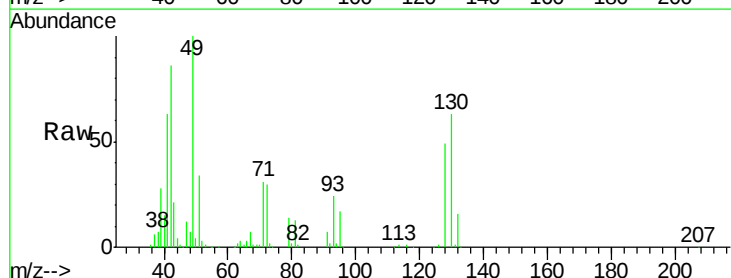
MMDadoda
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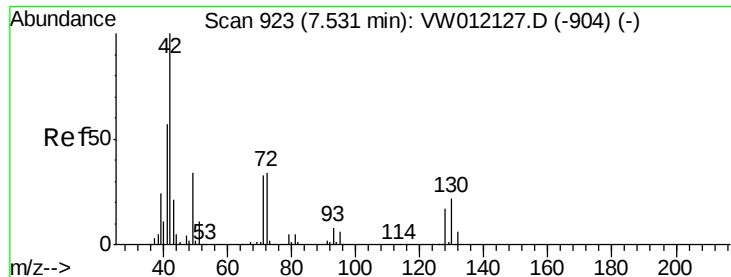


#28

Bromochloromethane
 Concen: 59.947 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012680.D
 Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	94998		
129	0.7		0.0	1.4
130	63.3		45.5	68.3





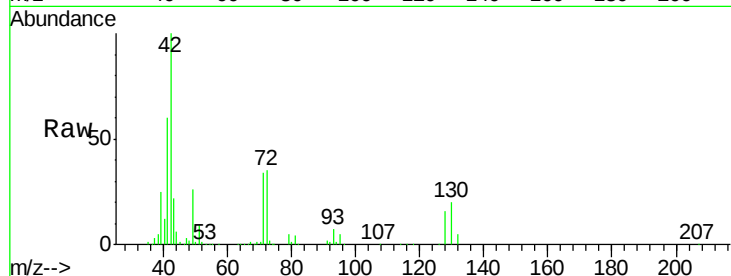
#29
Tetrahydrofuran
Concen: 372.884 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

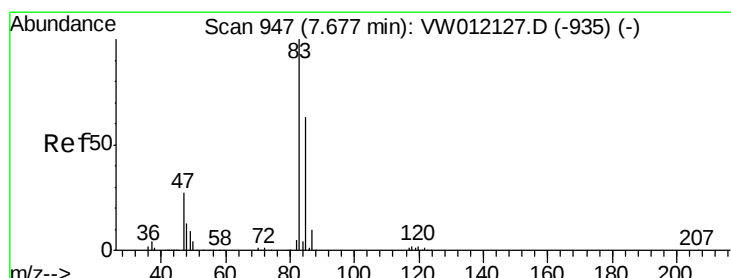
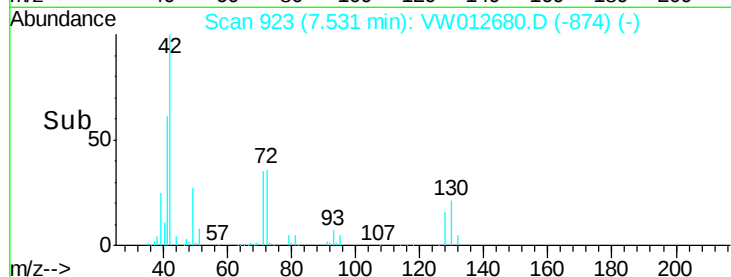
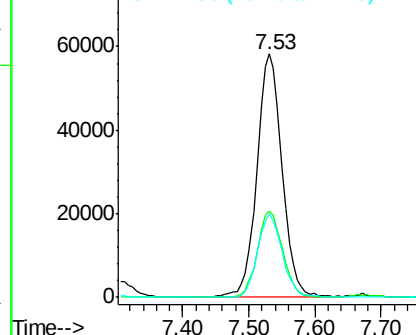
Tot Ion:	42	Resp:	155194
Ion	Ratio	Lower	Upper
42	100		
72	35.5	27.3	40.9
71	33.3	25.5	38.3

Manual Integrations
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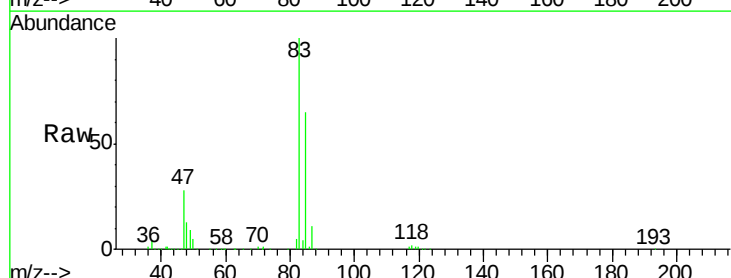


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

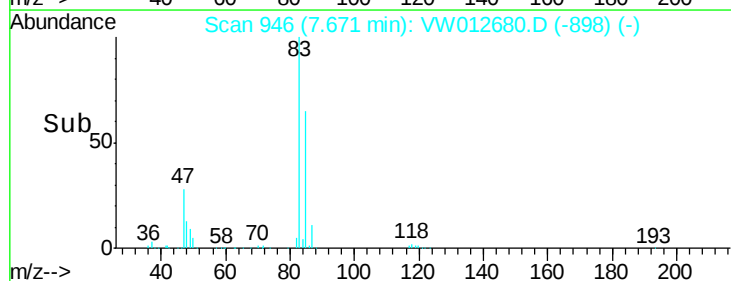
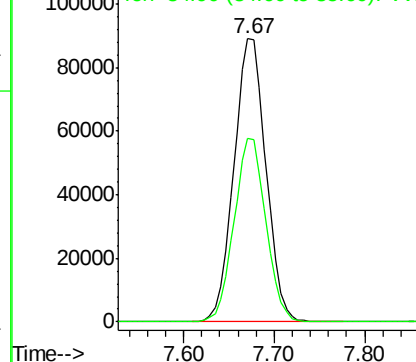


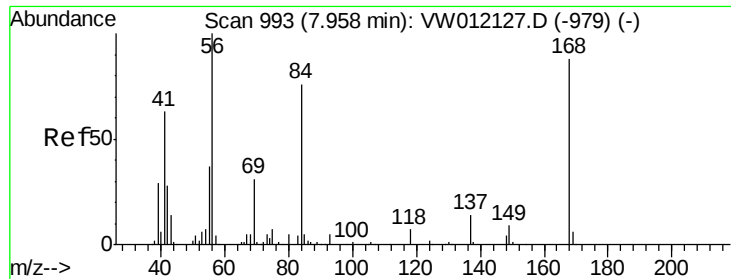
#30
Chloroform
Concen: 65.577 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion:	83	Resp:	218136
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	76.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





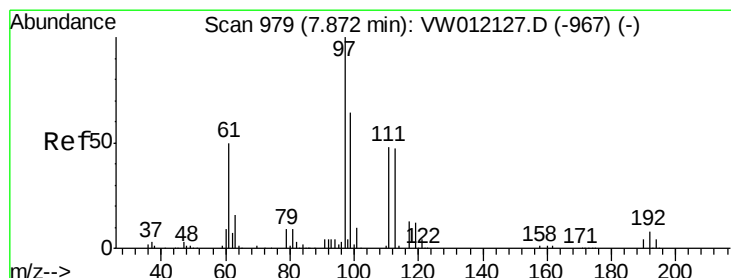
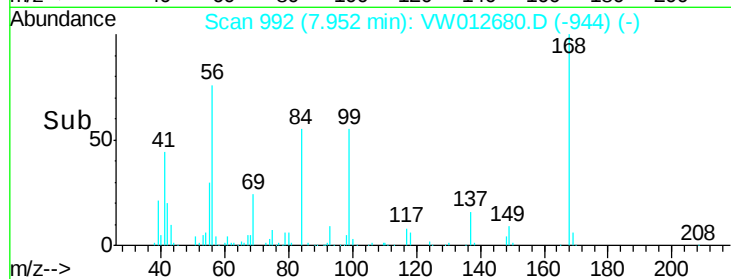
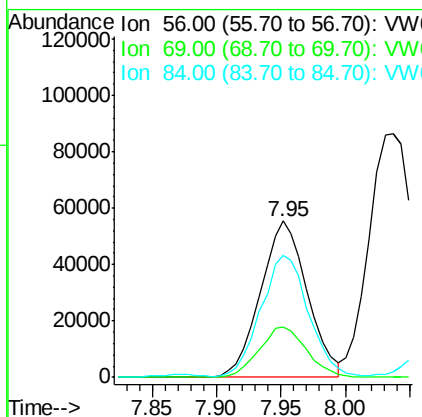
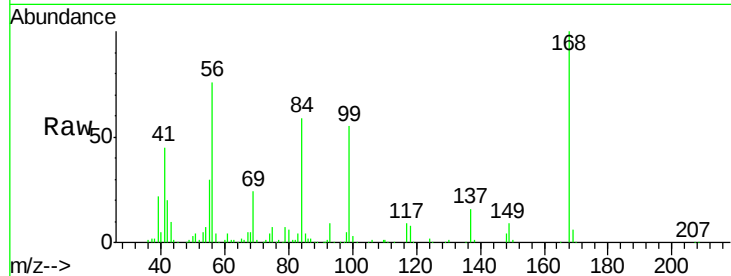
#31
Cyclohexane
Concen: 38.879 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	139856
Ion Ratio	Lower	Upper	
56	100		
69	32.3	24.9	37.3
84	76.2	60.6	90.8

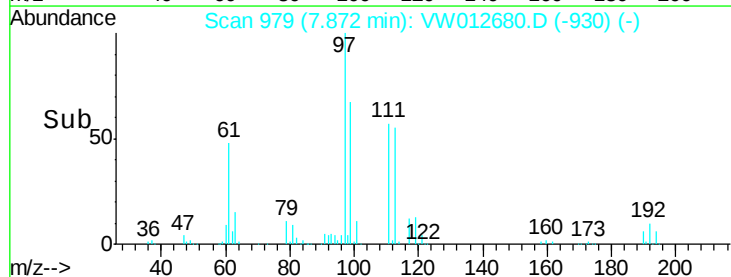
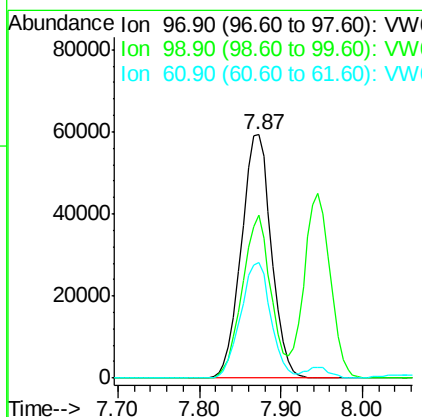
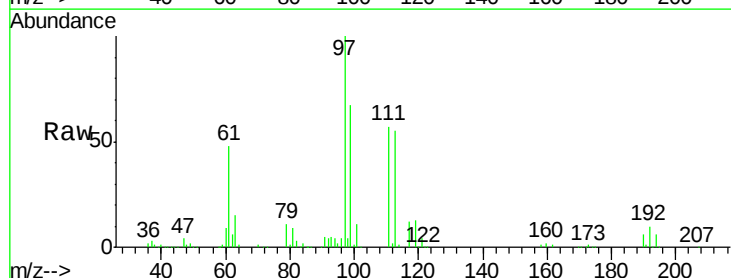
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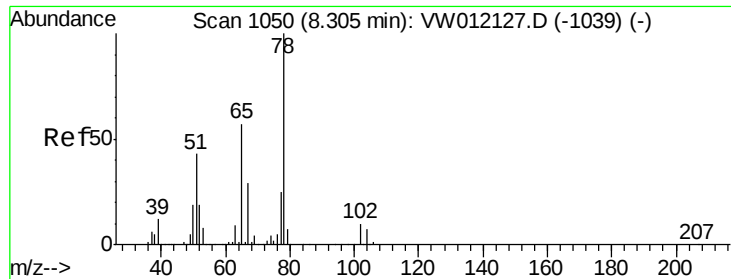
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9/6/2019 12:30:38 PM



#32
1,1,1-Trichloroethane
Concen: 57.865 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	97	Resp	152270
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.4	77.0
61	47.9	39.5	59.3





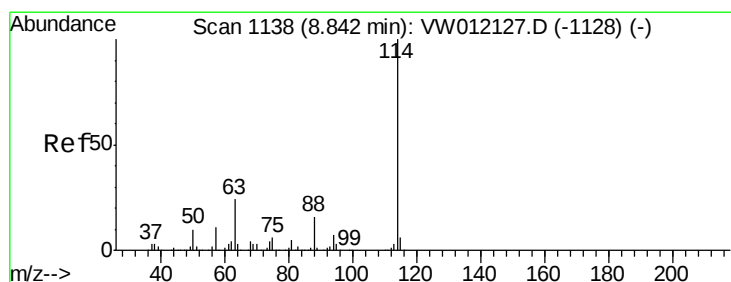
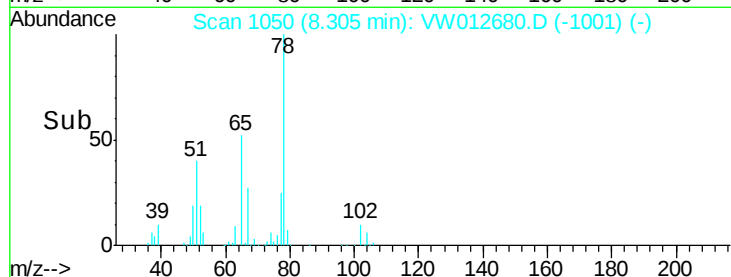
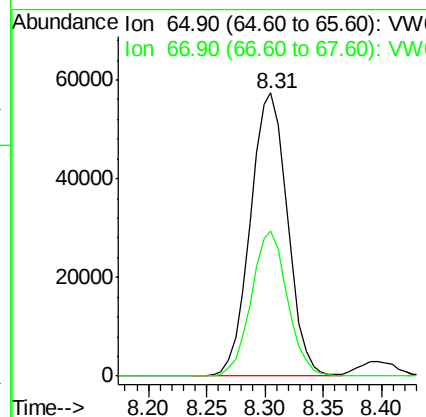
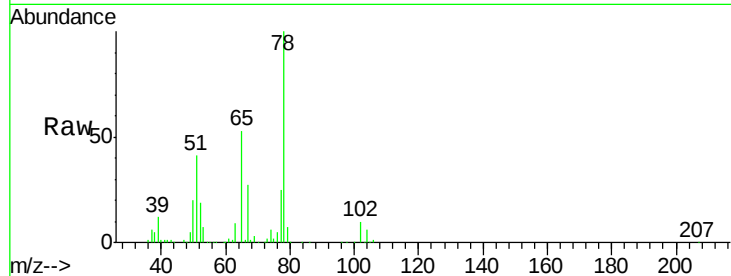
#33
 1,2-Dichloroethane-d4
 Concen: 64.028 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012680.D
 Acq: 06 Sep 2019 09:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127870		
67	49.8	0.0	102.6	

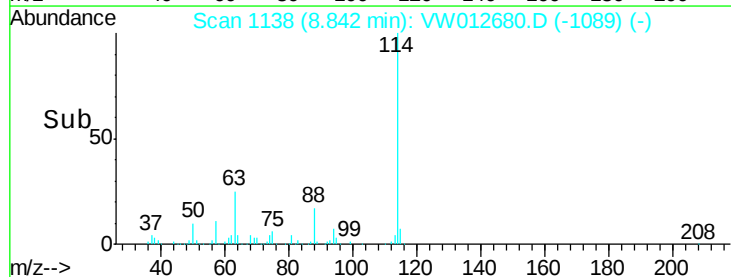
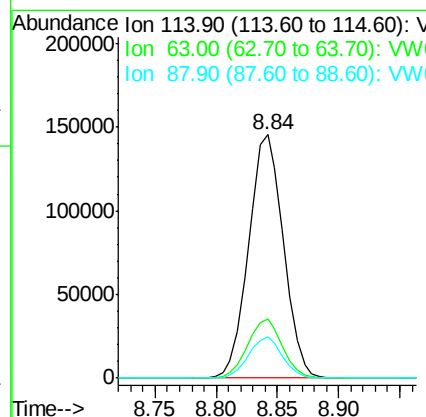
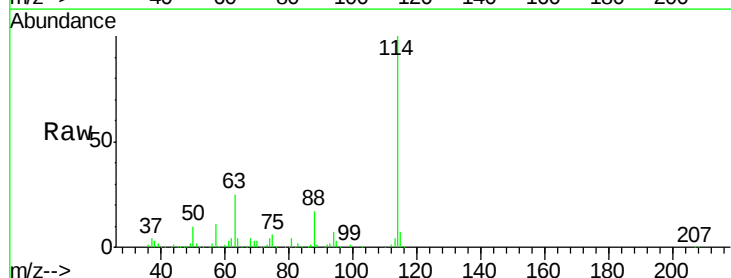
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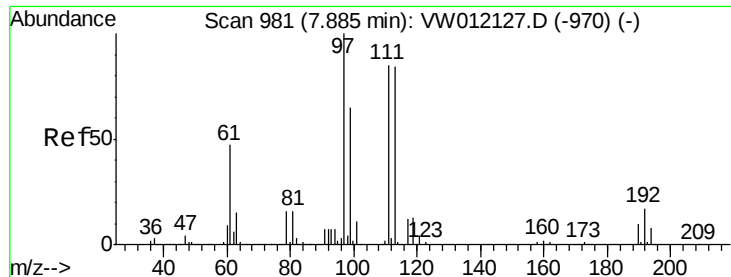
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012680.D
 Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	287825		
63	24.6	0.0	48.6	
88	16.9	0.0	32.2	





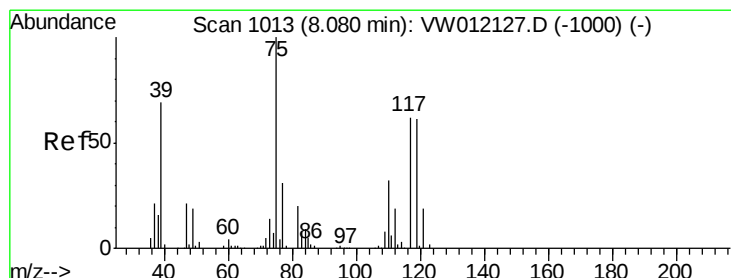
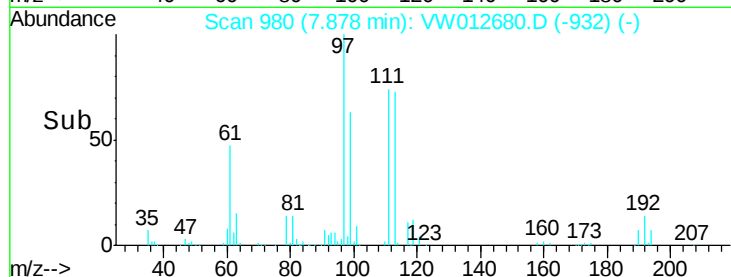
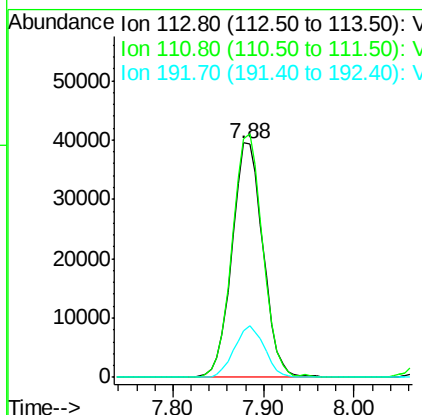
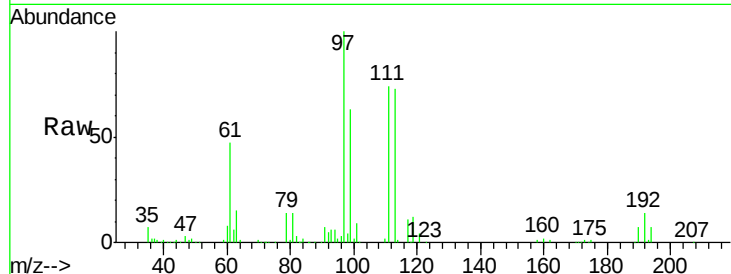
#35
Dibromofluoromethane
Concen: 54.956 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.7	124.1
192	21.2	16.2	24.2

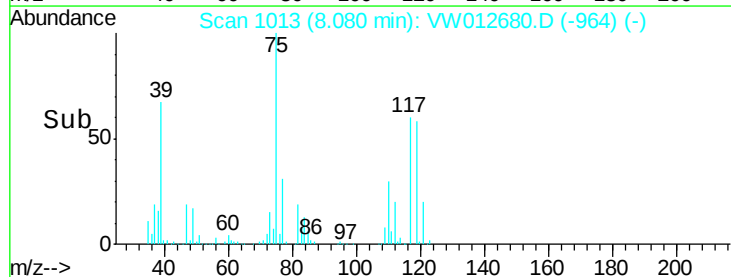
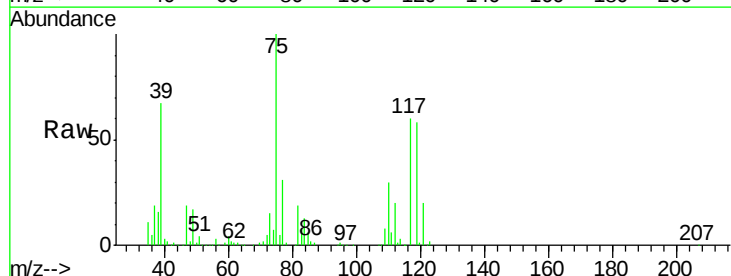
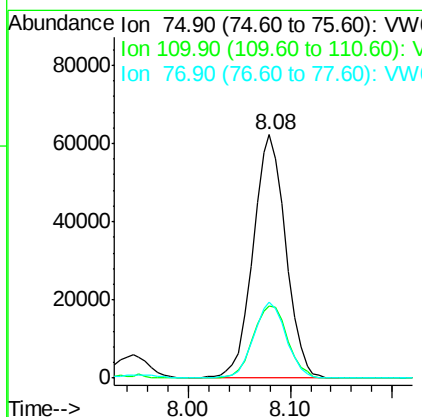
Manual Integrations
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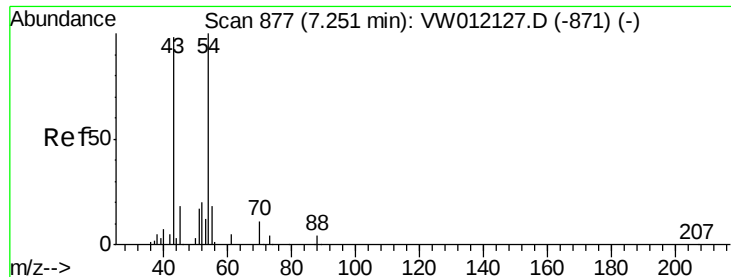
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#36
1,1-Dichloropropene
Concen: 46.707 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.3	15.6	46.8
77	31.2	24.6	36.8





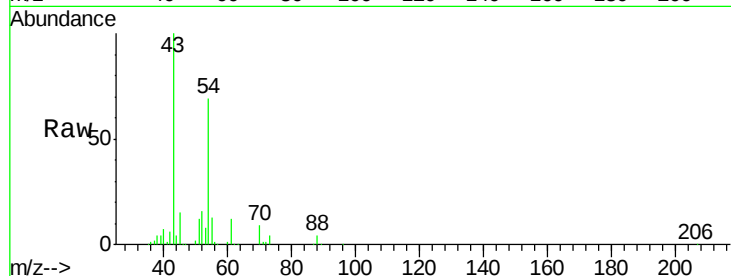
#37
Ethyl Acetate
Concen: 62.743 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	11.5	9.2	13.8	
70	9.3	6.9	10.3	

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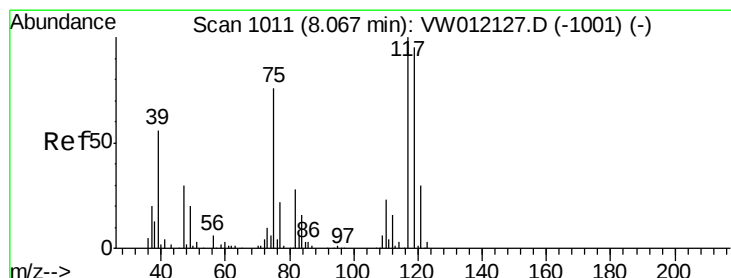
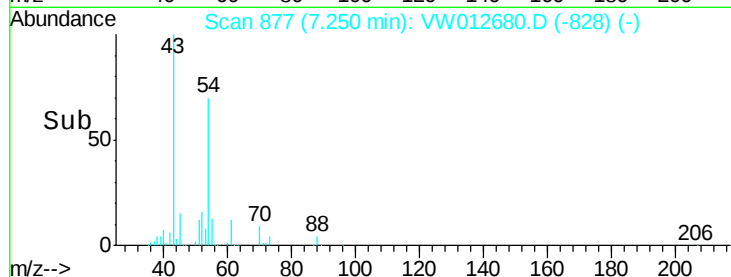
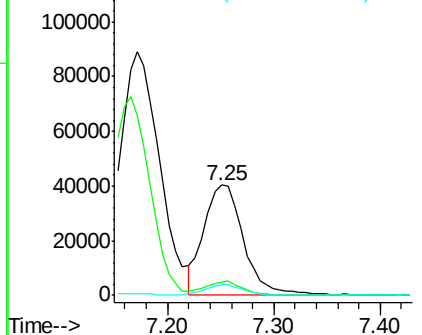


Abundance

Ion 43.00 (42.70 to 43.70): VW

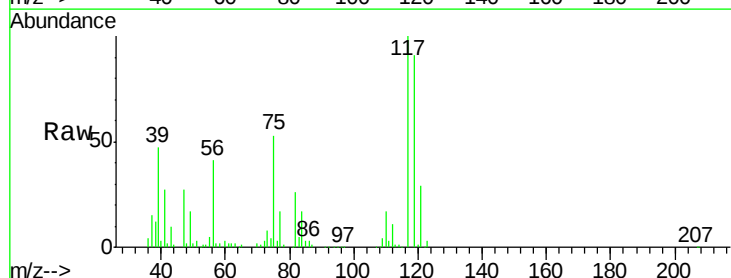
Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38
Carbon Tetrachloride
Concen: 50.544 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	91.2	76.2	114.2	
121	29.5	23.8	35.8	

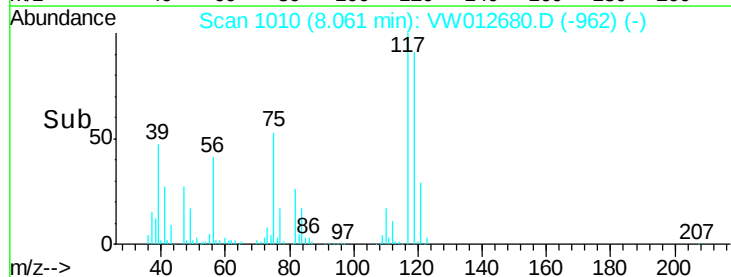
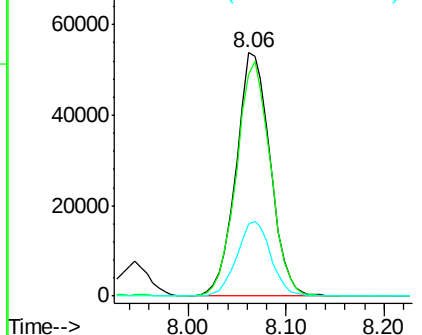


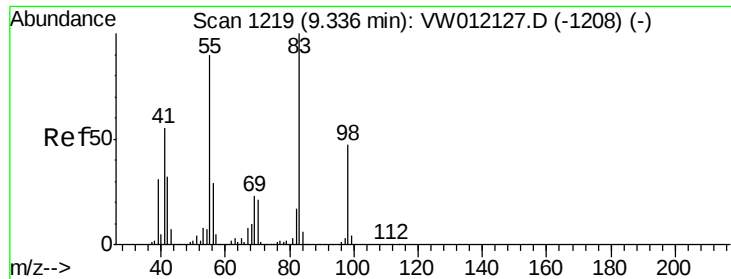
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





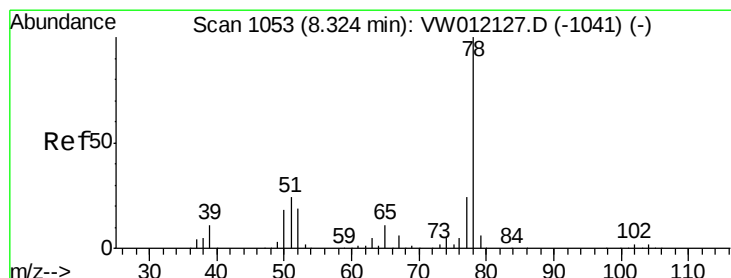
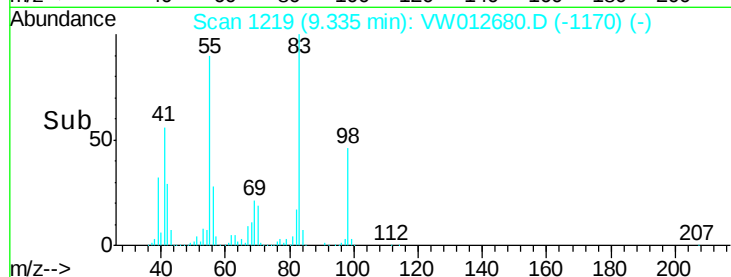
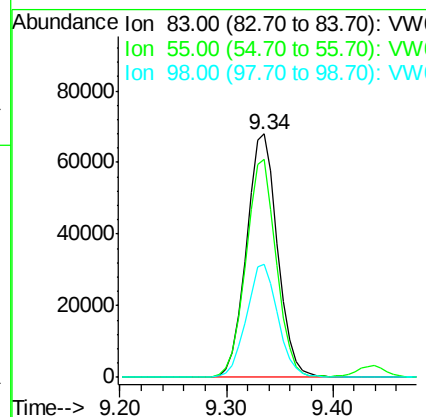
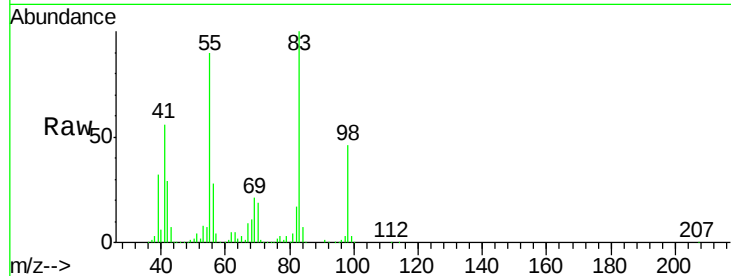
#39
Methvlcvclohexane
Concen: 41.707 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.6	71.8	107.8
98	46.4	37.8	56.8

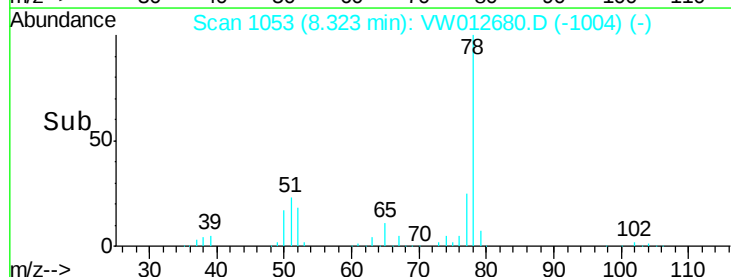
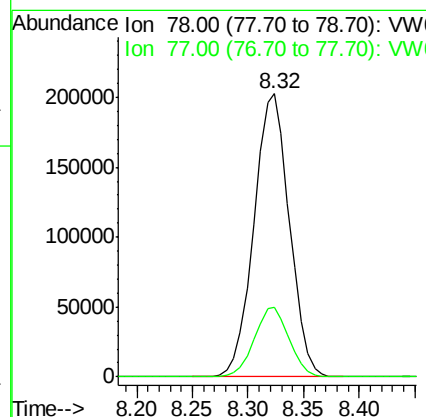
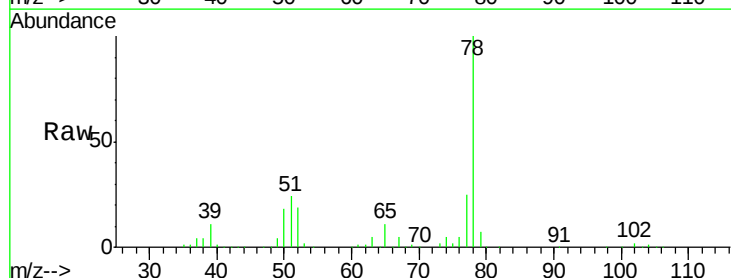
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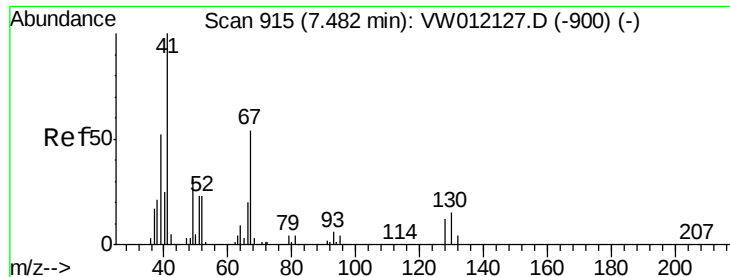
MMDadoda
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#40
Benzene
Concen: 55.235 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.5	29.3





#41

Methacrylonitrile

Concen: 68.453 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

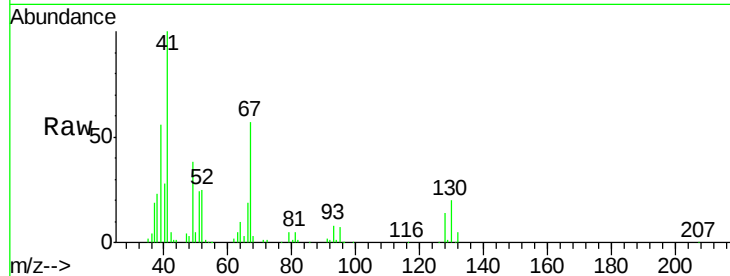
ClientSampleId :

VSTDCCC050EC

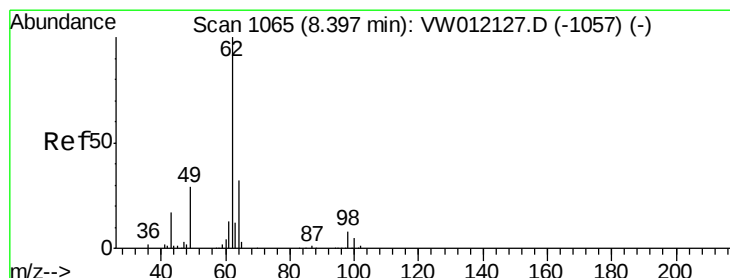
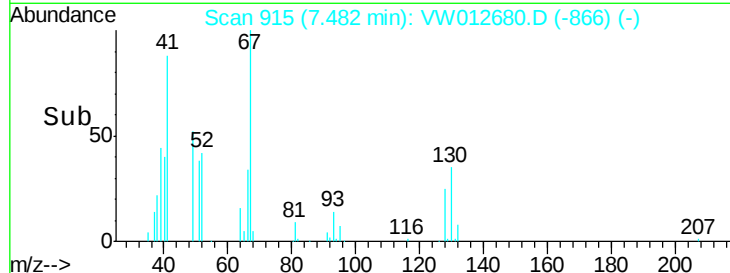
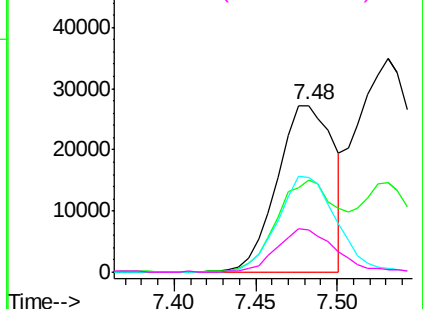
Tot Ion:	41	Resp:	65574
Ion	Ratio	Lower	Upper
41	100		
39	60.7	45.8	68.8
67	59.8	46.2	69.4
52	27.5	21.0	31.6

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 68.448 ug/l

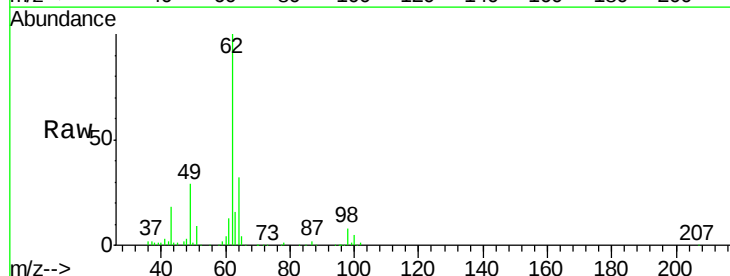
RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

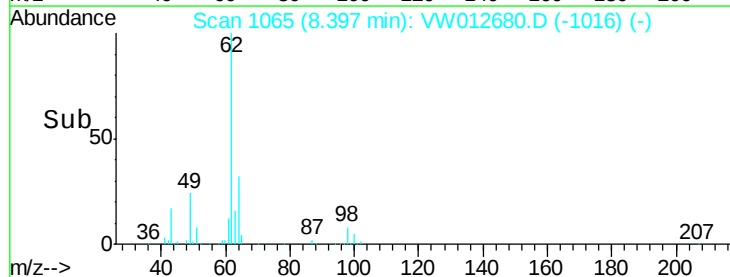
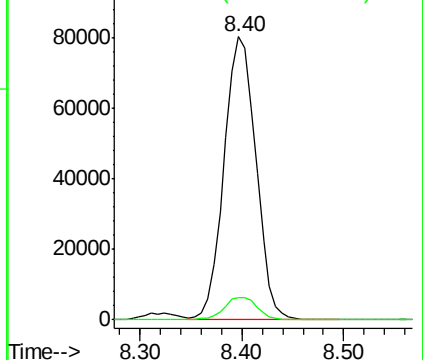
Lab File: VW012680.D

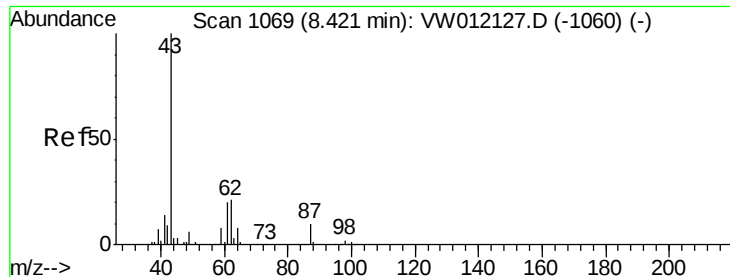
Acq: 06 Sep 2019 09:05

Tgt Ion:	62	Resp:	174227
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 66.048 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

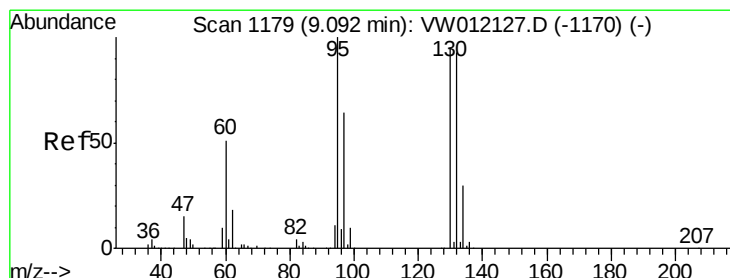
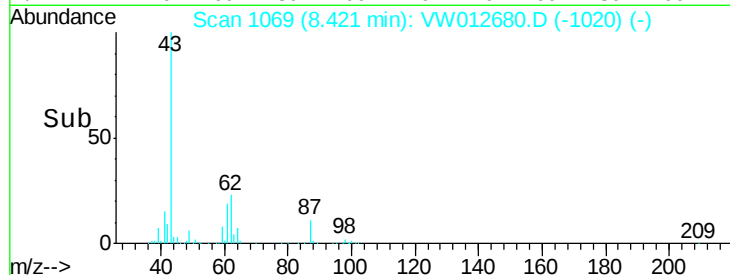
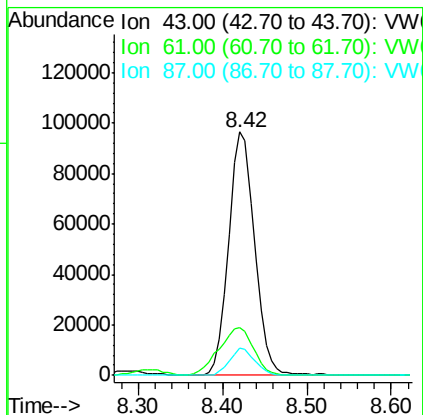
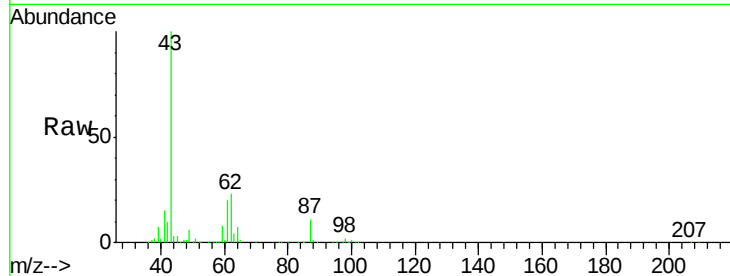
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	199403
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.1	31.7
87	10.7	8.2	12.2

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#44

Trichloroethene

Concen: 55.275 ug/l

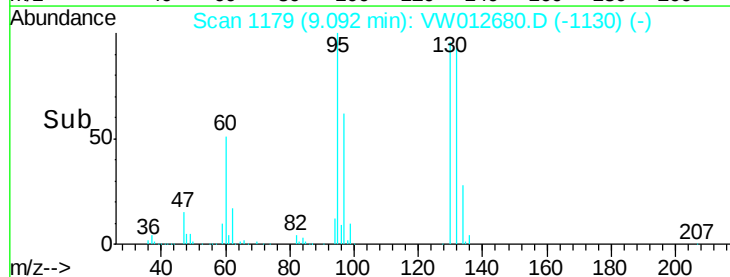
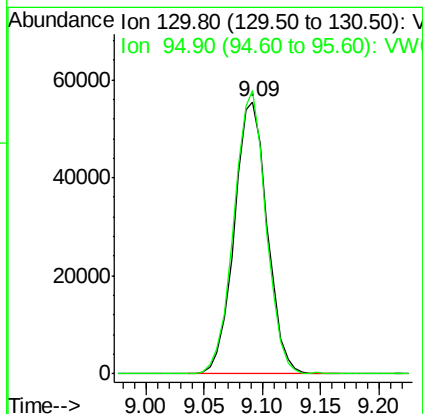
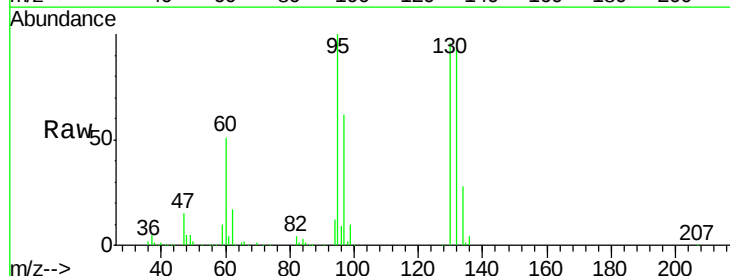
RT: 9.09 min Scan# 1179

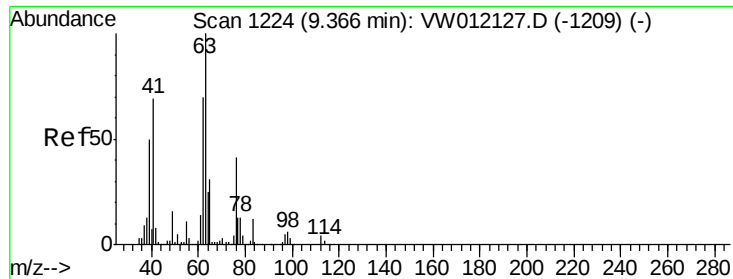
Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Tgt Ion:	130	Resp:	109132
Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	210.6





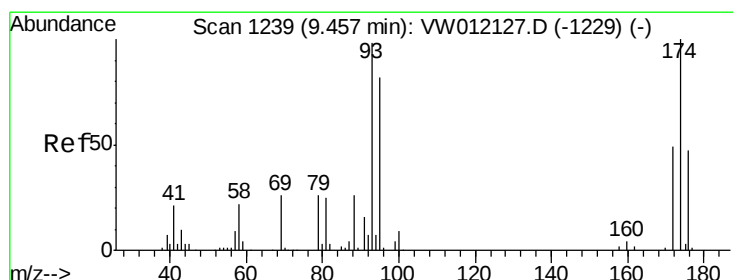
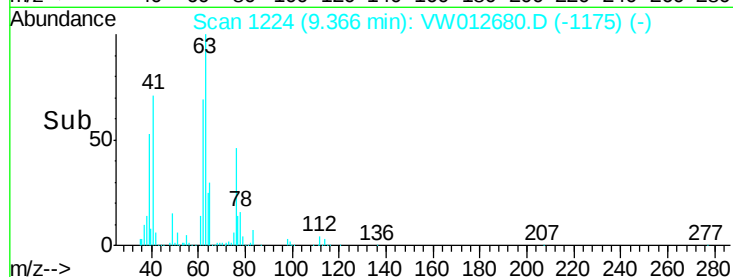
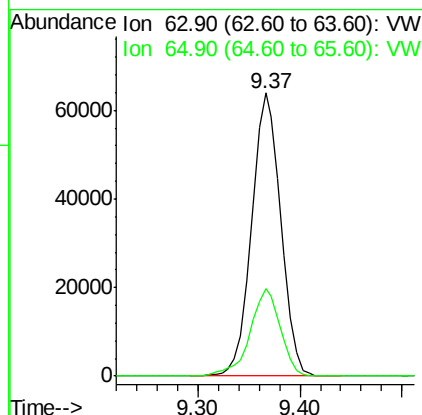
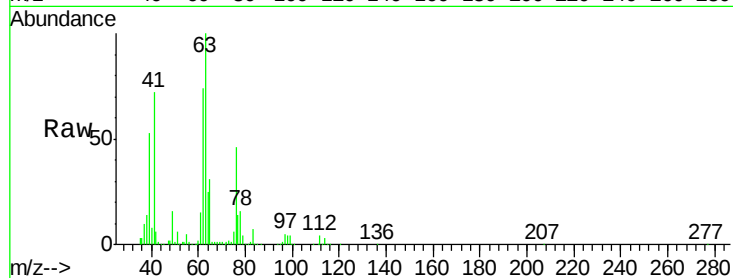
#45
 1,2-Dichloropropane
 Concen: 58.218 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012680.D
 Acq: 06 Sep 2019 09:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.0	37.4

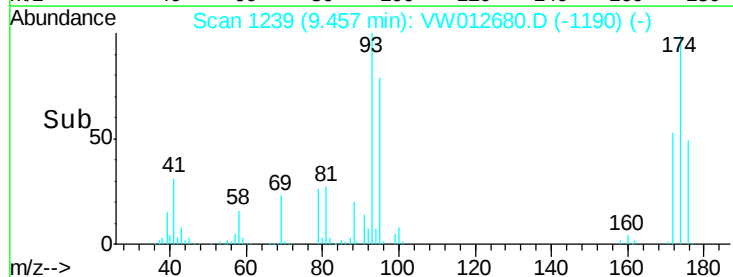
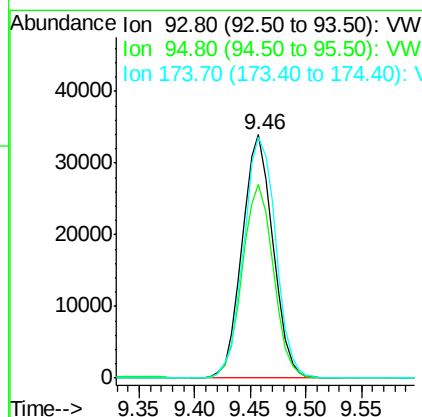
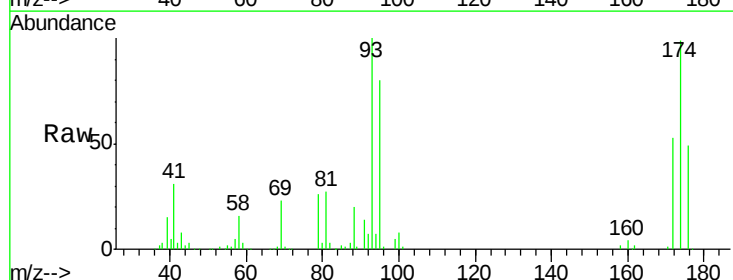
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 9/6/2019 12:30:38 PM



#46
 Dibromomethane
 Concen: 67.198 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012680.D
 Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.7	67.2	100.8
174	103.4	79.0	118.6





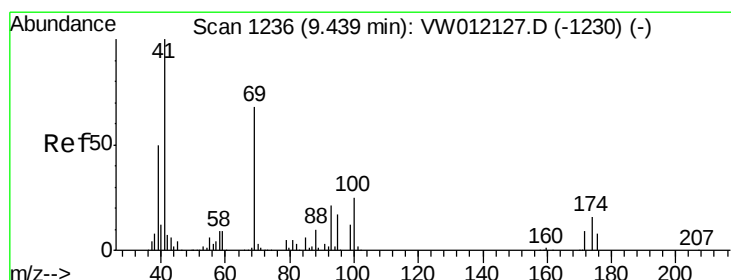
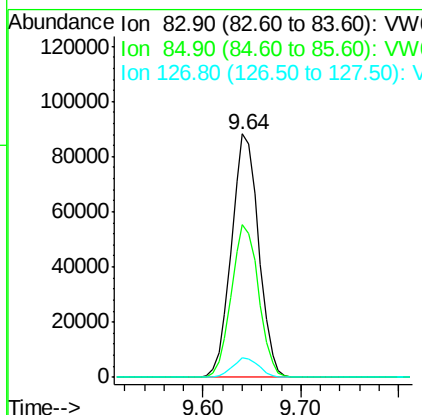
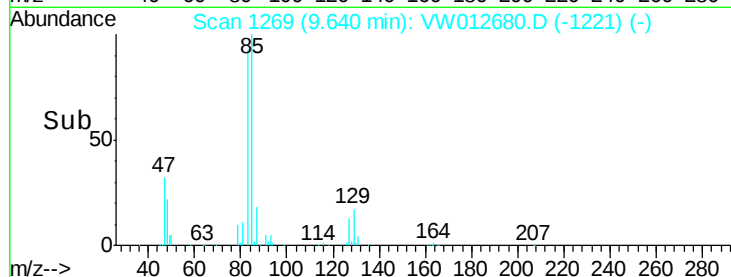
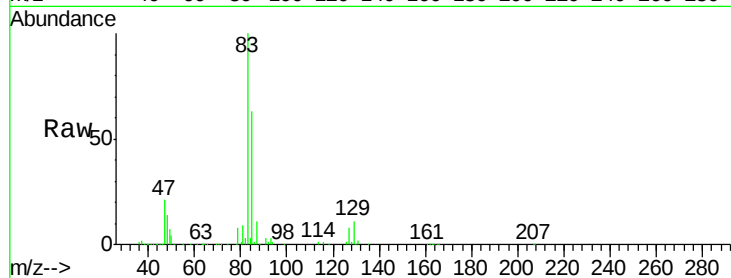
#47
Bromodichloromethane
Concen: 65.535 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.4	74.2
127	8.1	6.1	9.1

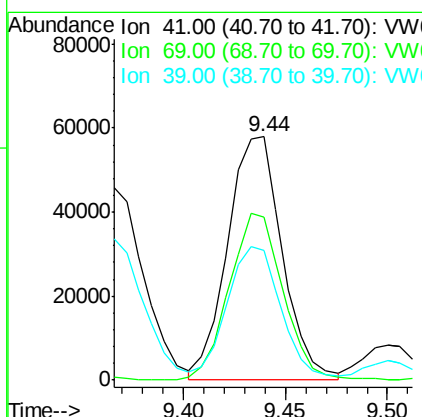
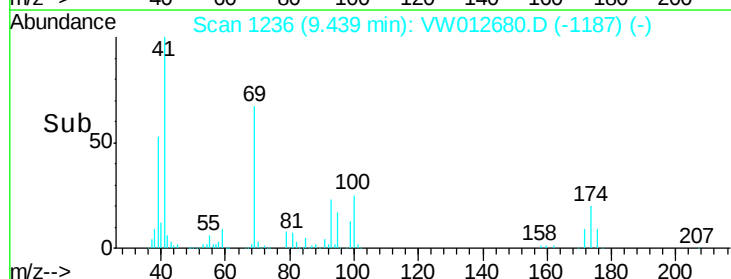
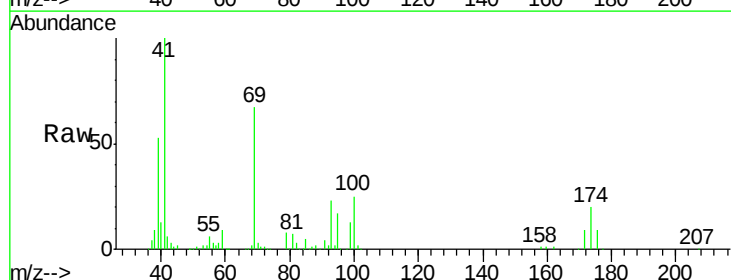
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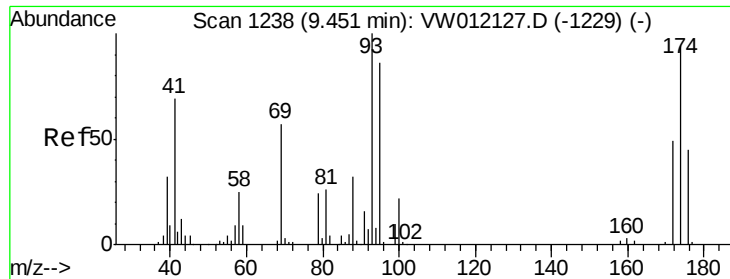
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#48
Methyl methacrylate
Concen: 74.661 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	67.6	56.7	85.1
39	54.7	42.0	63.0





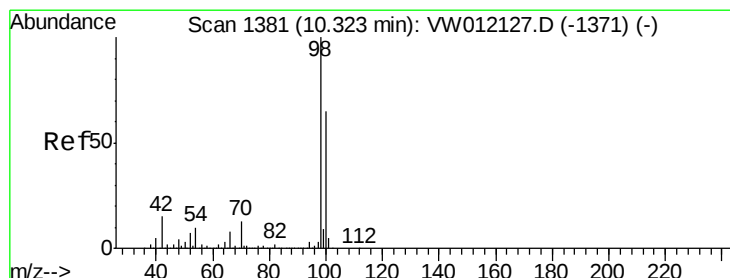
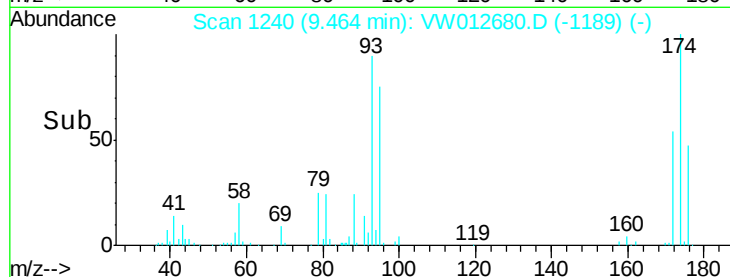
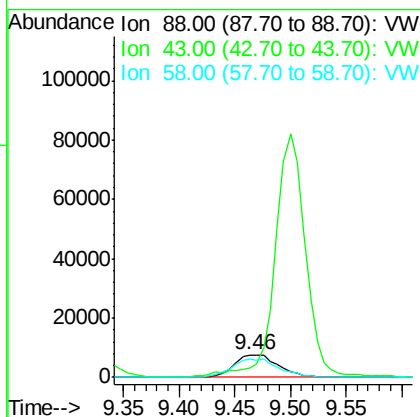
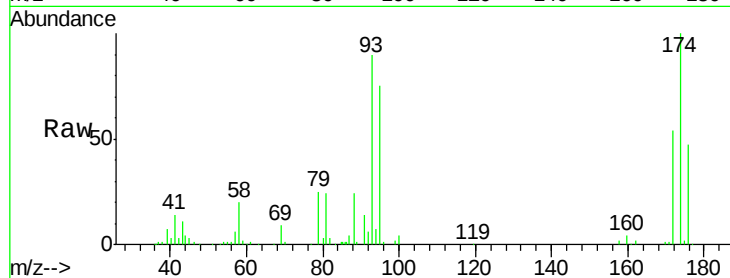
#49
1,4-Dioxane
Concen: 1402.594 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	88.1	71.0	106.4

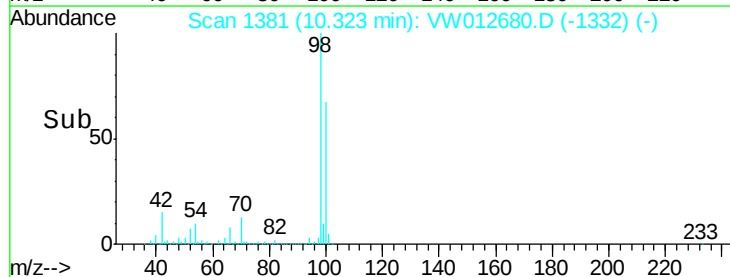
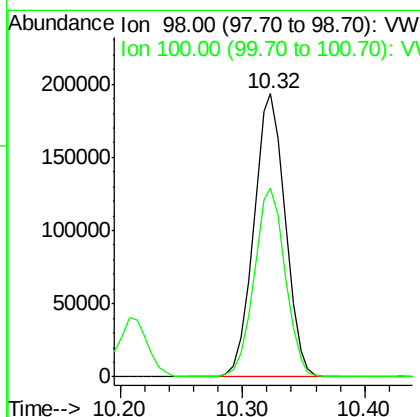
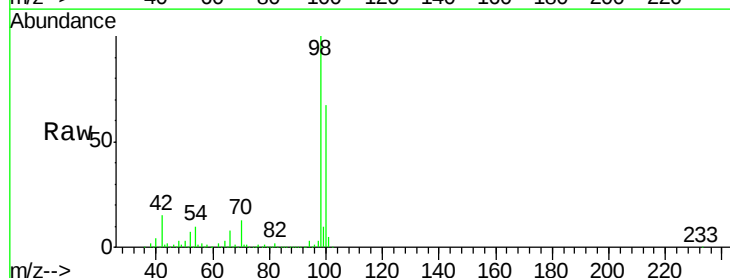
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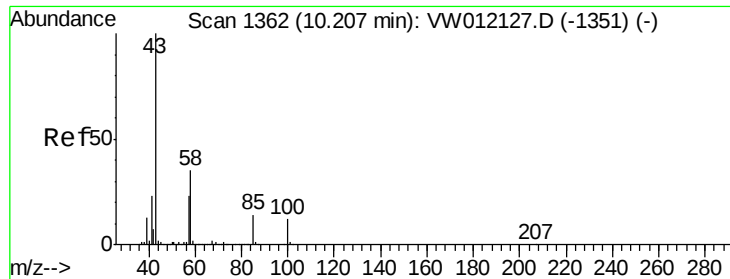
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#50
Toluene-d8
Concen: 49.526 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 357.747 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 549354

Ion Ratio Lower Upper

43 100

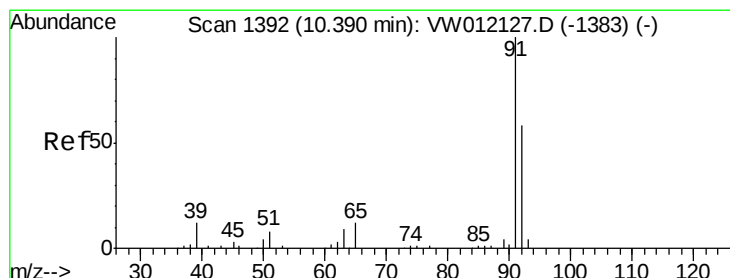
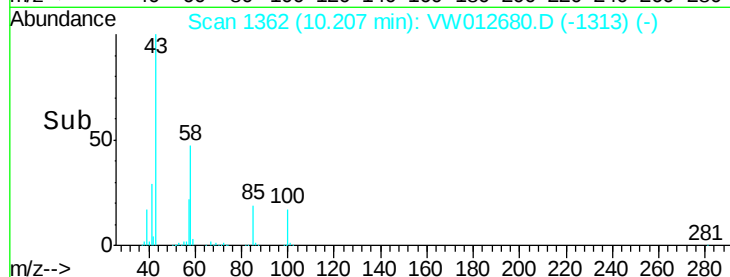
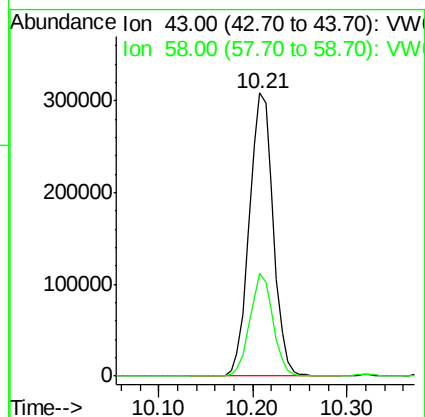
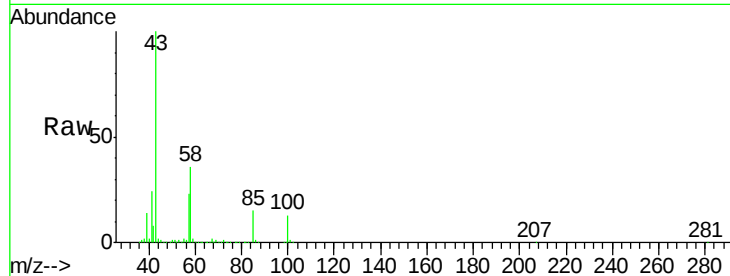
58 34.9 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 56.884 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012680.D

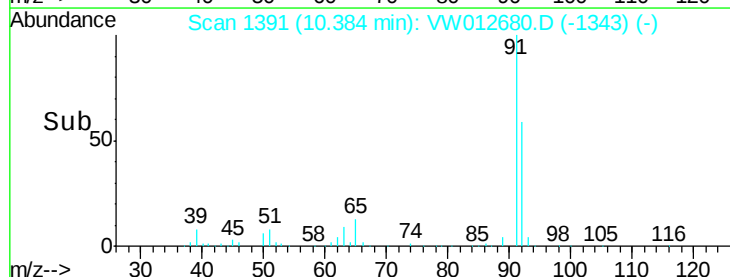
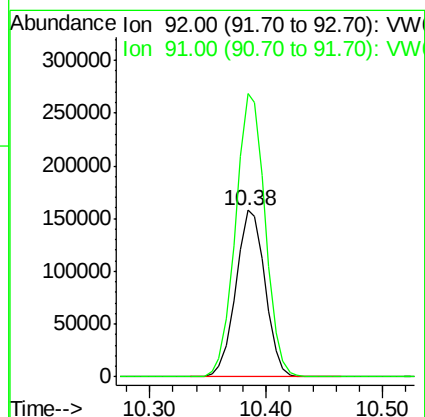
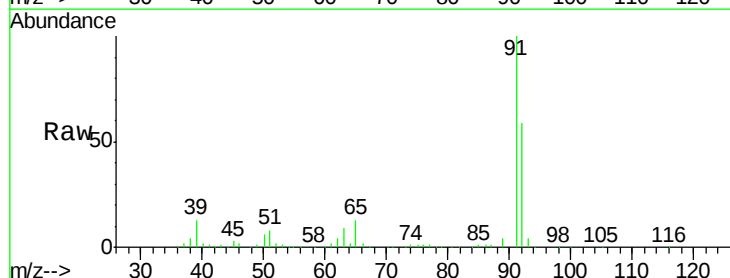
Acq: 06 Sep 2019 09:05

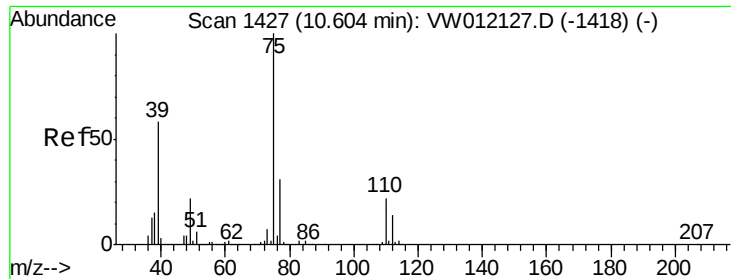
Tgt Ion: 92 Resp: 277540

Ion Ratio Lower Upper

92 100

91 170.9 136.6 204.8





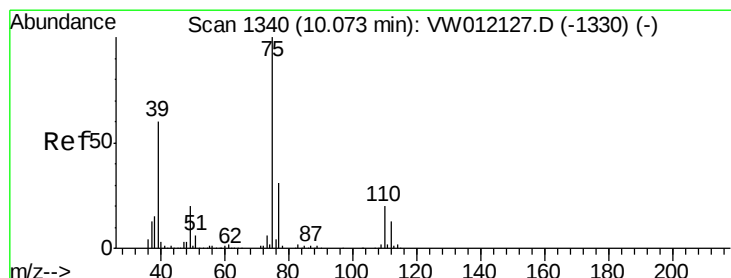
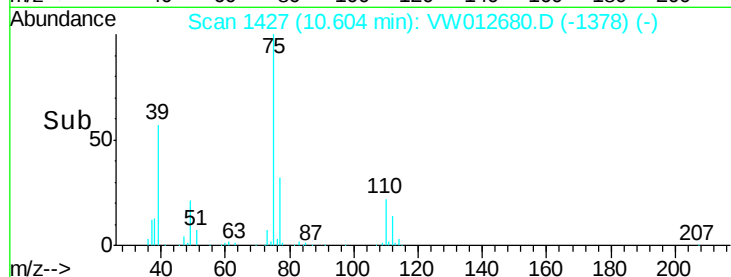
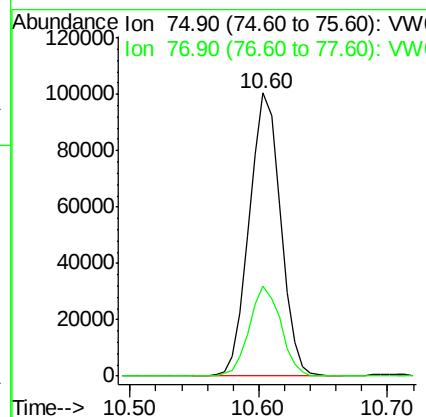
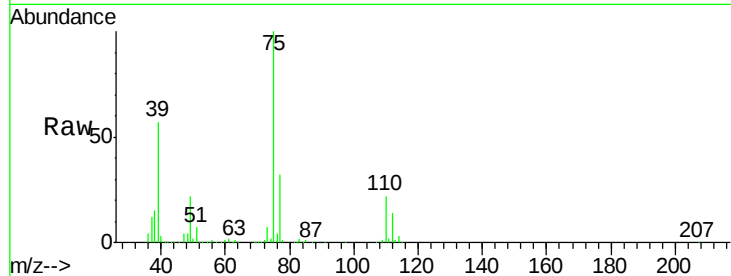
#53
t-1,3-Dichloropropene
Concen: 64.048 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	75	Resp	168862
Ion Ratio	Lower	Upper	
75	100		
77	31.7	25.0	37.4

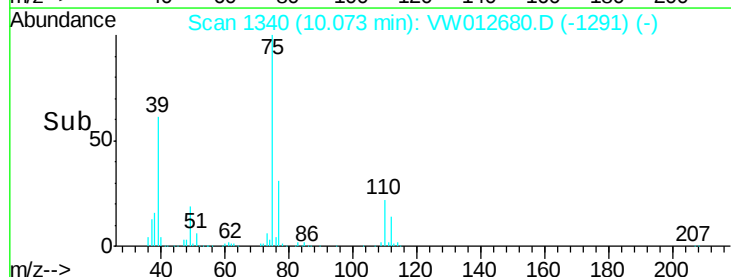
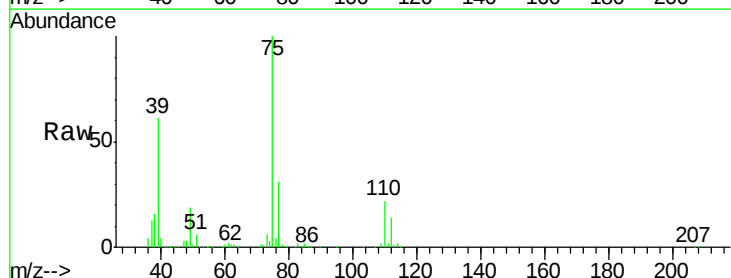
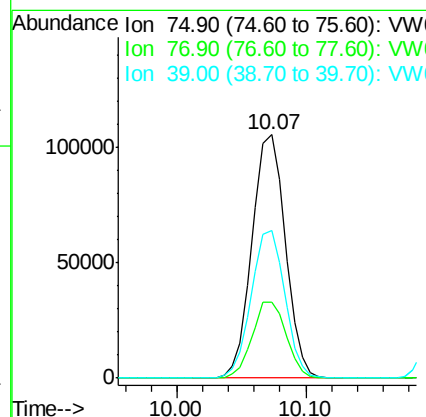
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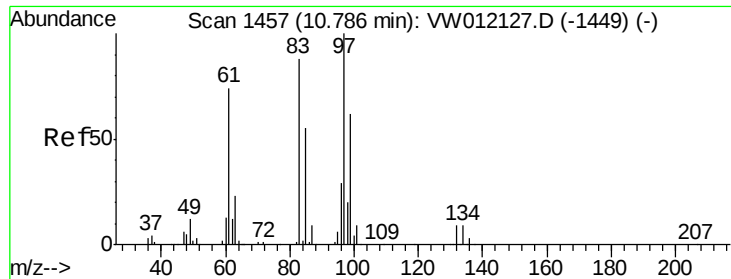
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#54
cis-1,3-Dichloropropene
Concen: 59.354 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	75	Resp	188949
Ion Ratio	Lower	Upper	
75	100		
77	31.4	25.1	37.7
39	60.5	48.3	72.5





#55

1,1,2-Trichloroethane

Concen: 68.137 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

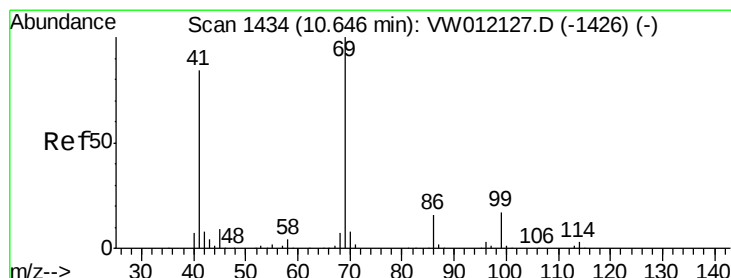
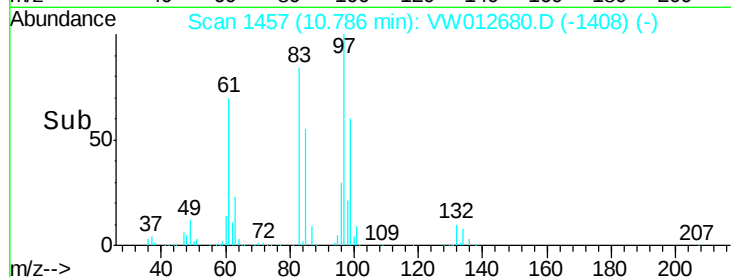
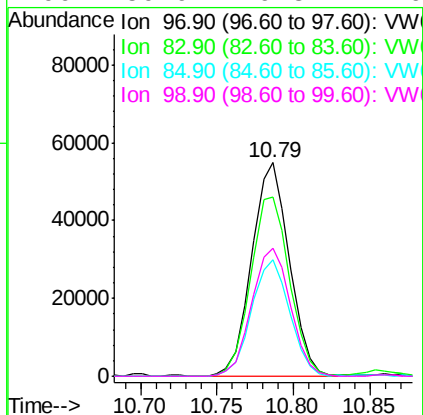
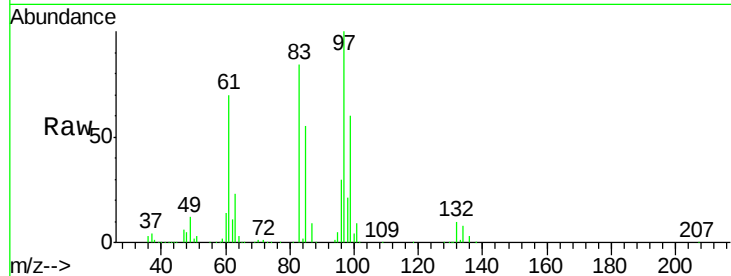
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	93755
Ion	Ratio	Lower	Upper
97	100		
83	83.8	70.8	106.2
85	54.5	43.8	65.8
99	59.9	49.8	74.6

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#56

Ethyl methacrylate

Concen: 71.070 ug/l

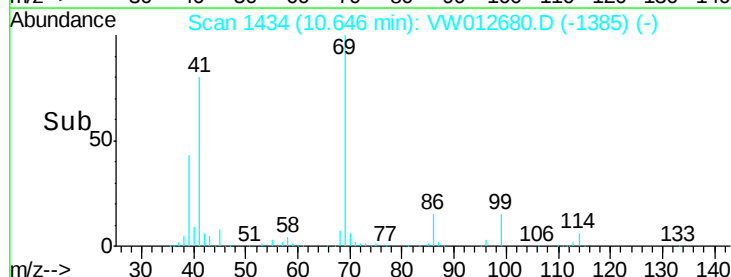
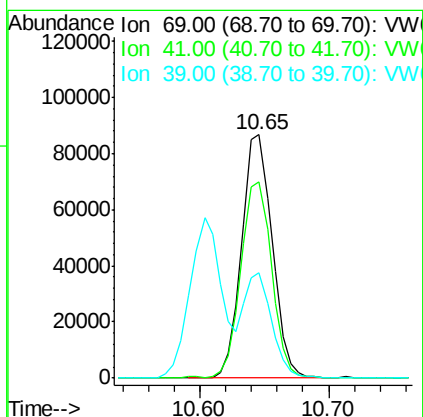
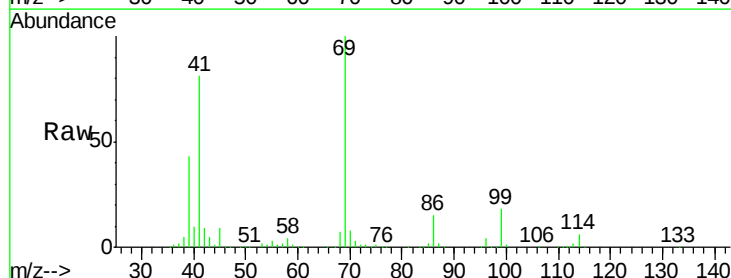
RT: 10.65 min Scan# 1434

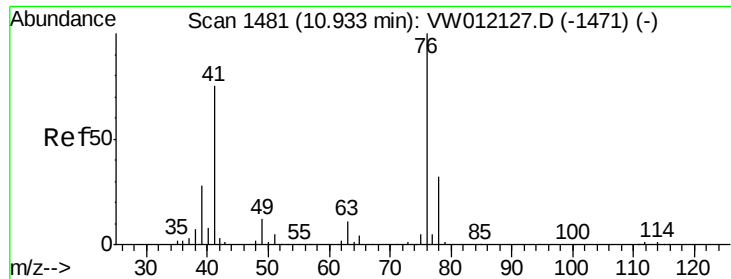
Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Tgt Ion:	69	Resp:	142326
Ion	Ratio	Lower	Upper
69	100		
41	82.0	66.5	99.7
39	38.4	31.0	46.4





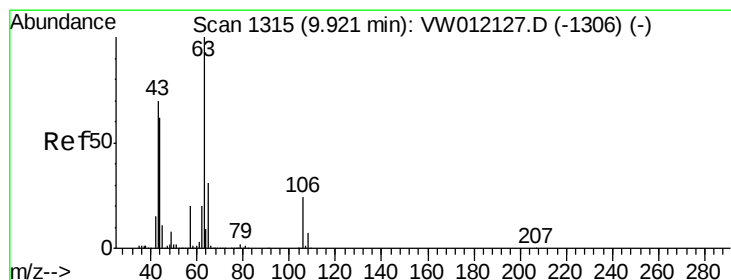
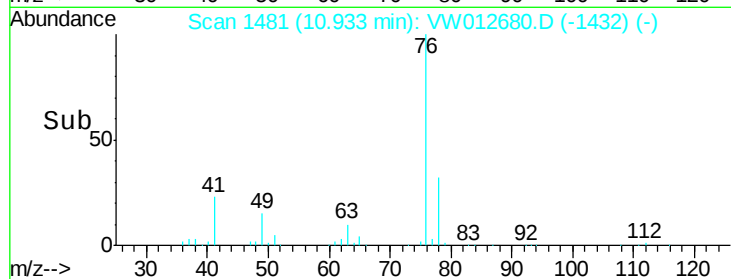
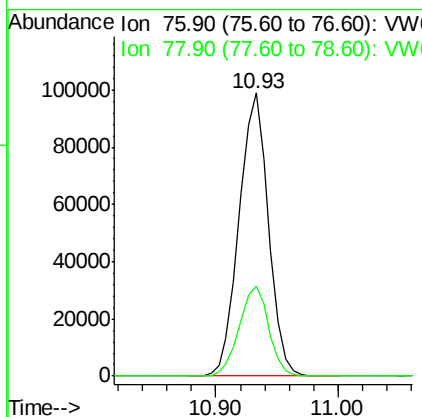
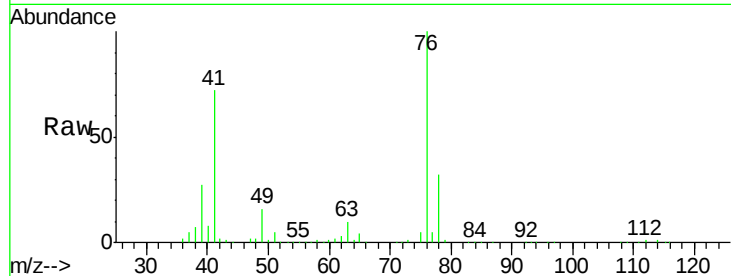
#57
 1,3-Dichloropropane
 Concen: 63.327 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012680.D
 Acq: 06 Sep 2019 09:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

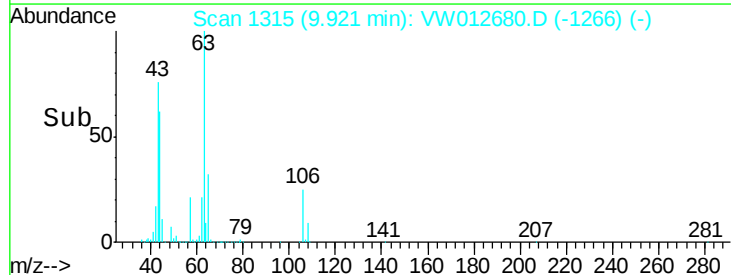
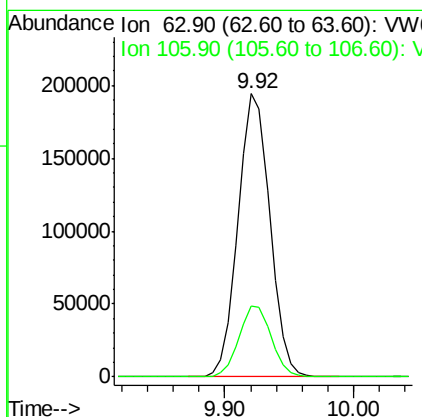
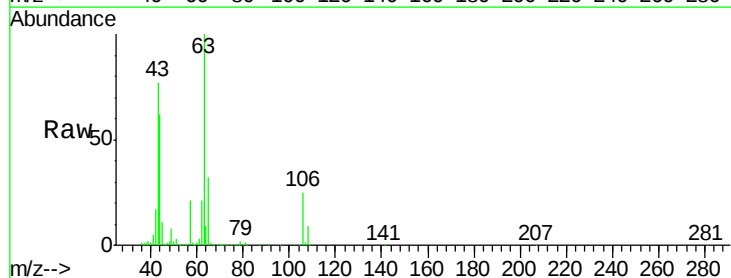
Manual Integrations
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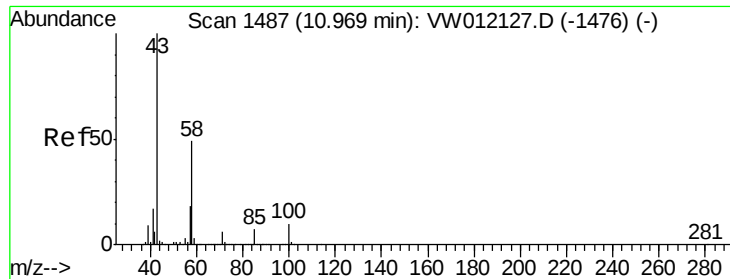
MMDadoda
 9/6/2019 12:30:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 323.576 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012680.D
 Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.4	19.8	29.8





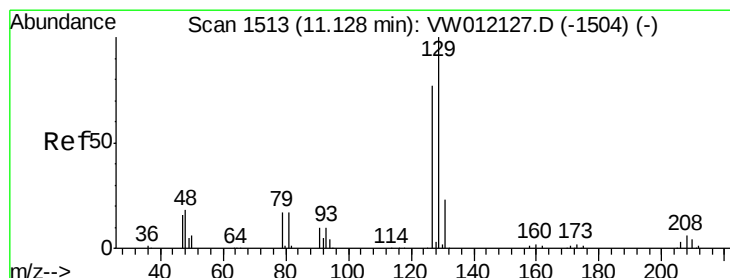
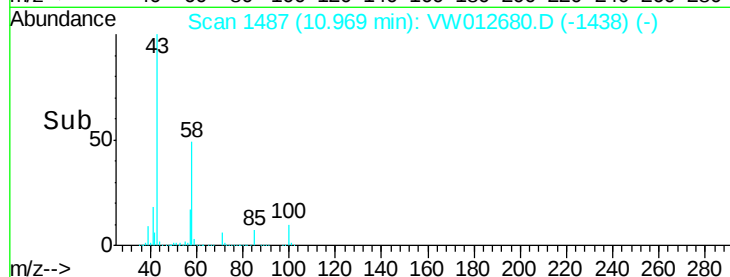
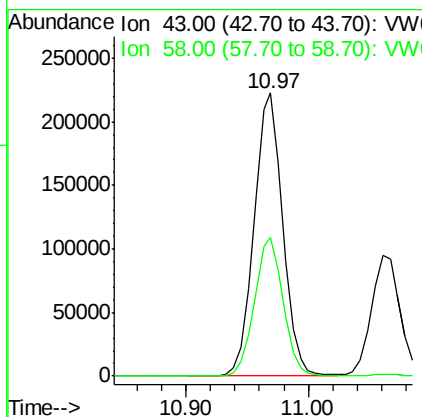
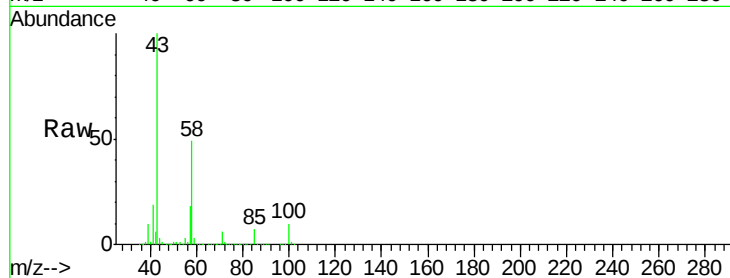
#59
2-Hexanone
Concen: 334.445 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.9	24.3	72.9

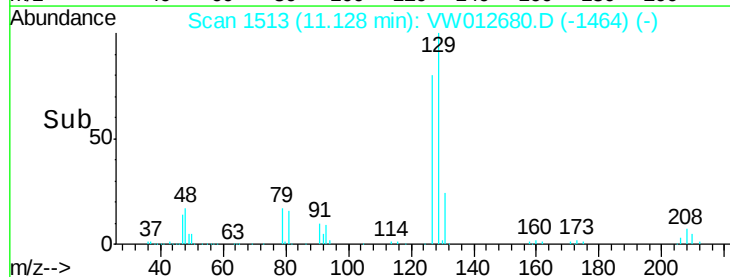
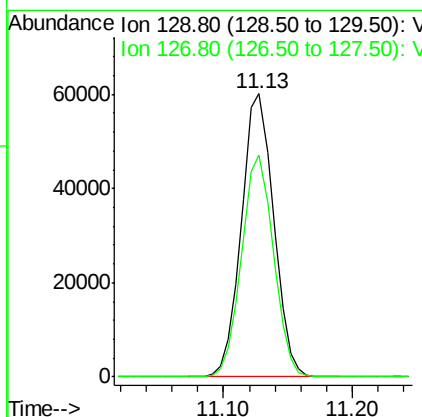
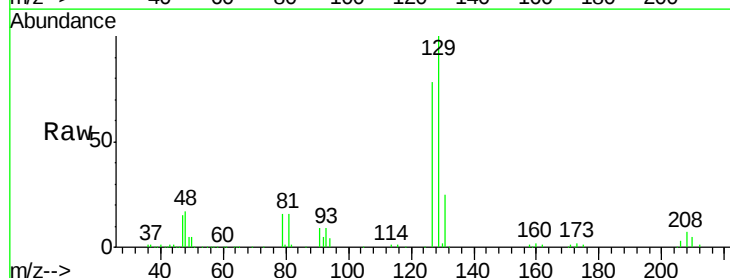
Manual Integrations
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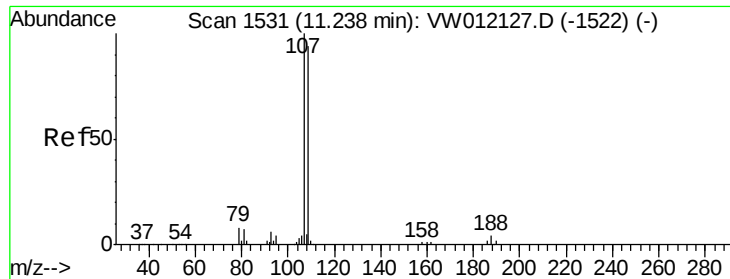
MMDadoda
9/6/2019 12:30:38 PM



#60
Dibromochloromethane
Concen: 67.962 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.6	115.8





#61

1,2-Dibromoethane

Concen: 66.965 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 85843

Ion Ratio Lower Upper

107 100

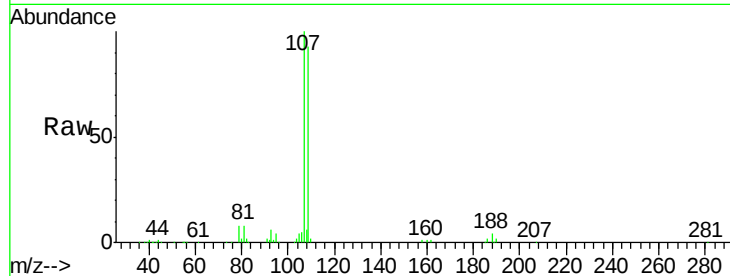
109 93.3 75.4 113.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

50000

40000

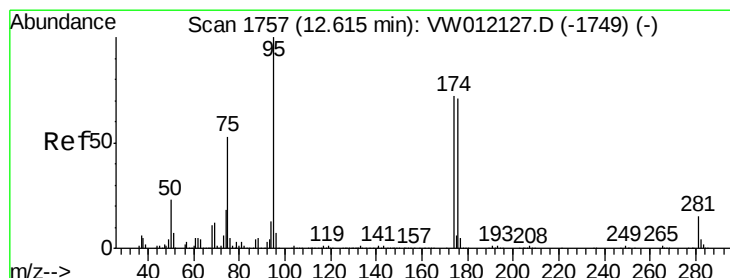
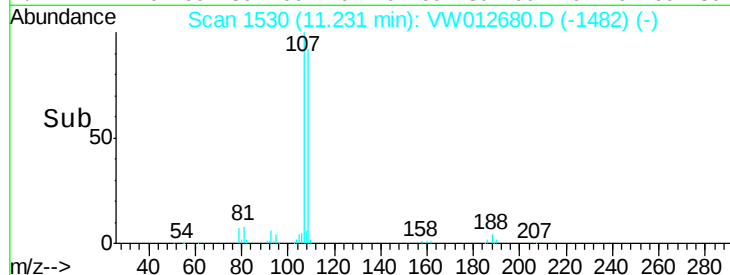
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.265 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

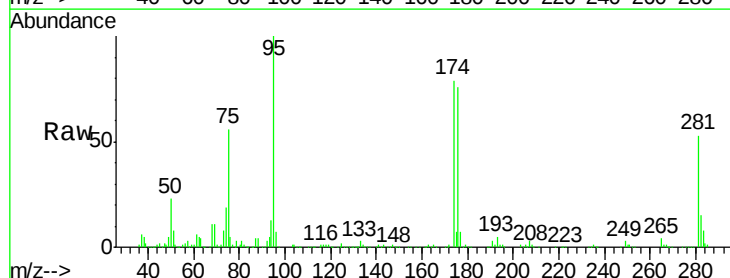
Tgt Ion: 95 Resp: 130796

Ion Ratio Lower Upper

95 100

174 81.9 0.0 150.8

176 77.5 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

100000

80000

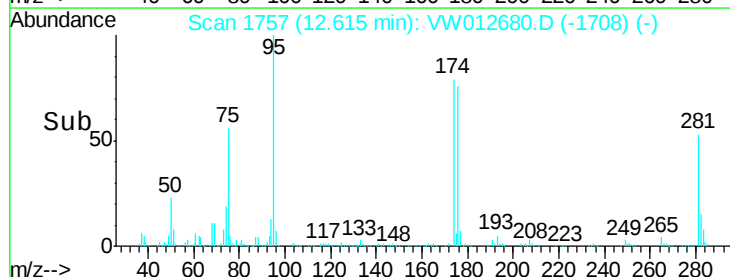
60000

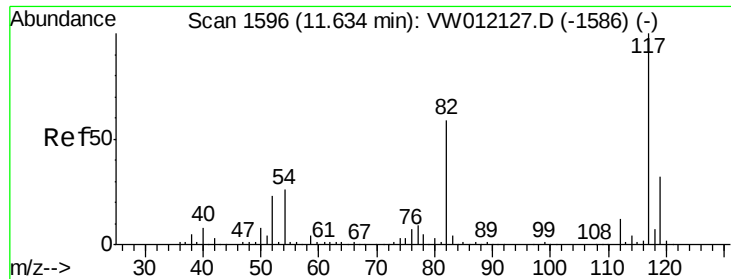
40000

20000

0

Time-->





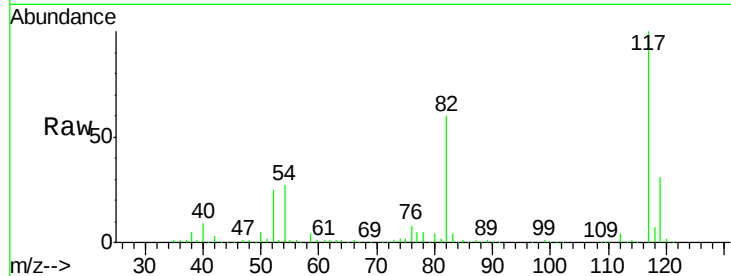
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.4	71.2
119	30.6	25.4	38.2

Manual Integrations
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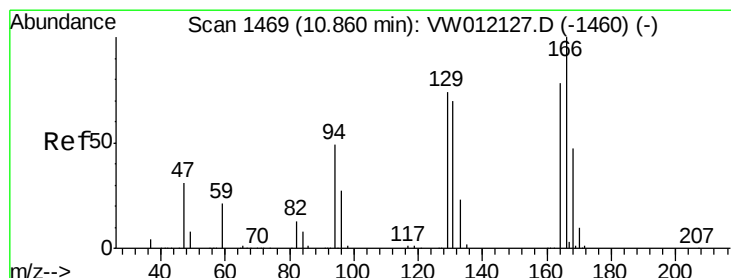
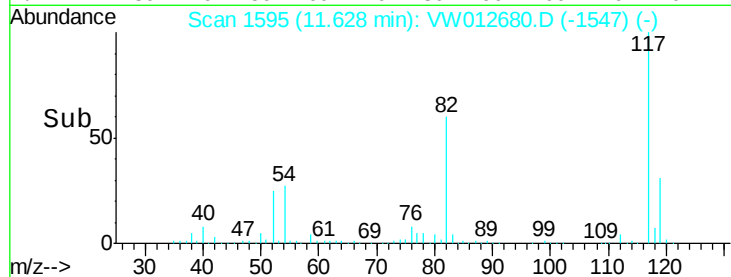
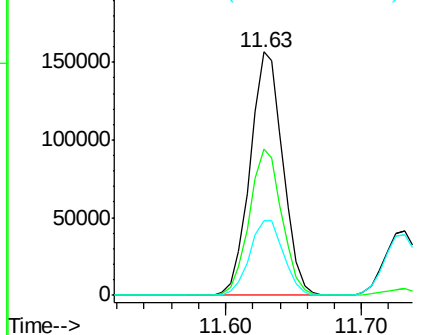


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 59.879 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.4	153.6
129	96.5	75.8	113.6
131	87.4	71.4	107.2

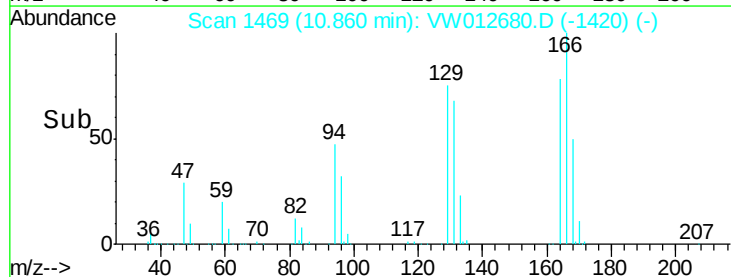
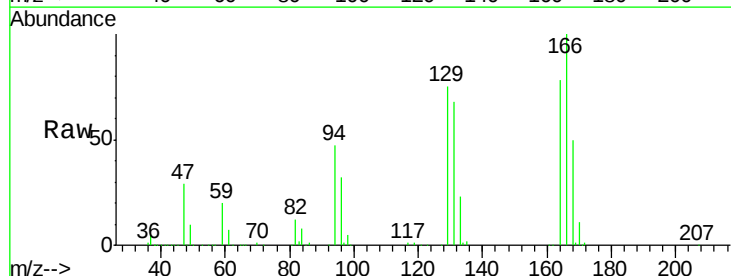
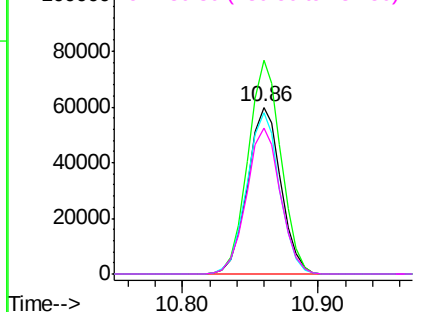
Abundance

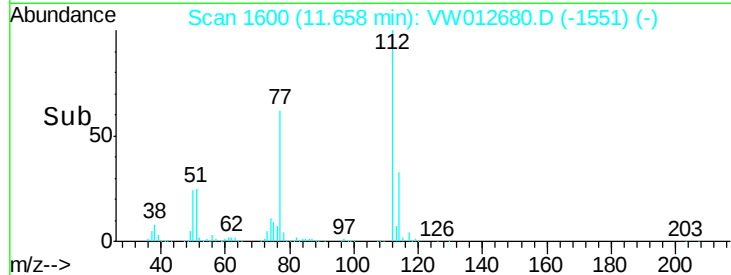
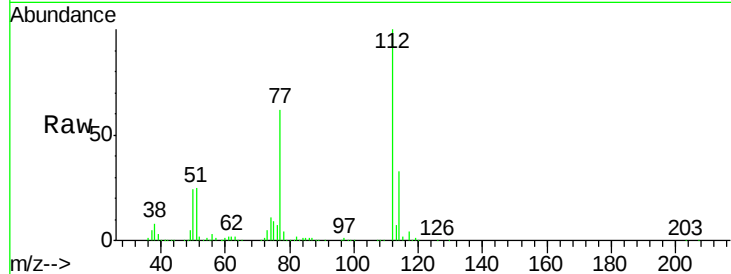
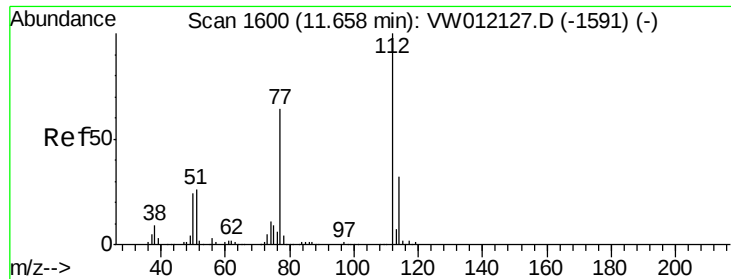
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





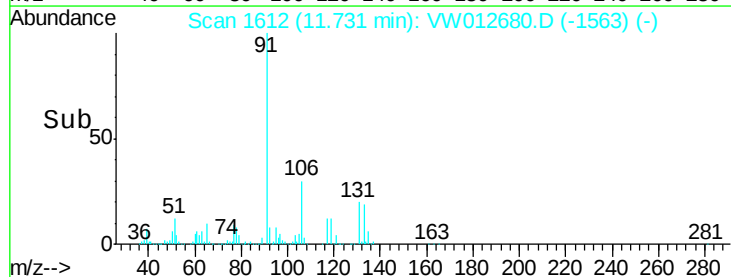
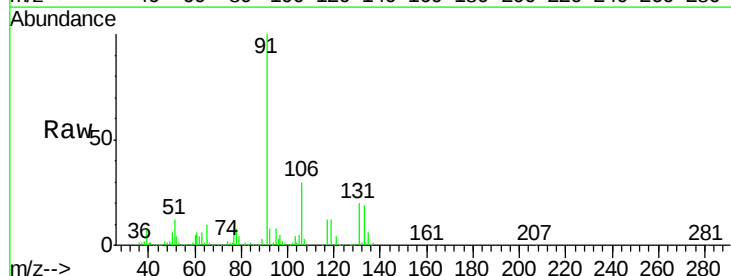
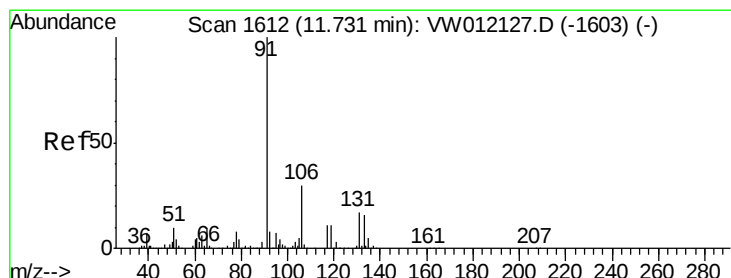
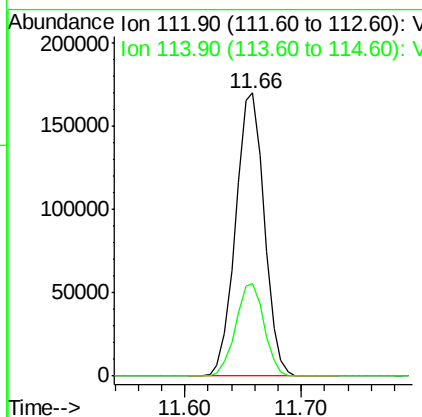
#65
Chlorobenzene
Concen: 56.028 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tot Ion:112 Resp: 291870
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

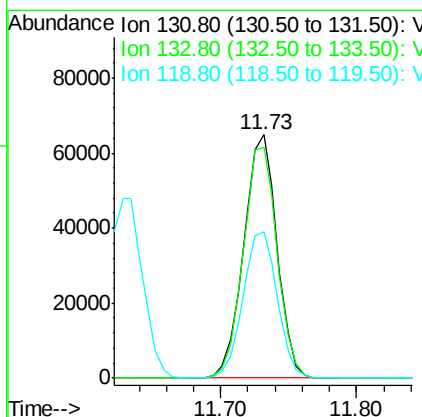
Manual Integrations
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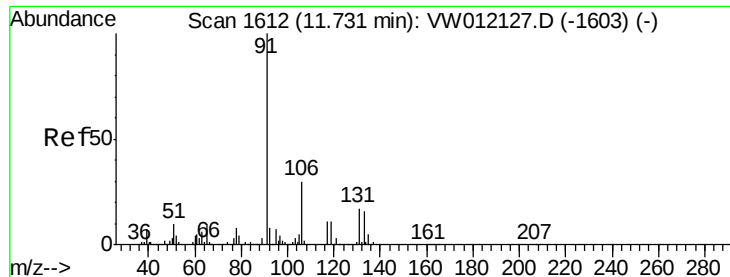
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 60.915 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion:131 Resp: 110703
Ion Ratio Lower Upper
131 100
133 96.8 47.1 141.3
119 61.8 31.8 95.3





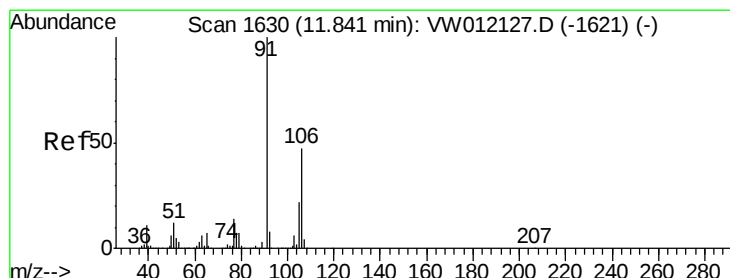
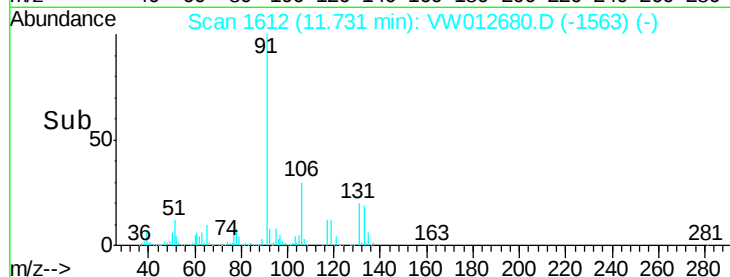
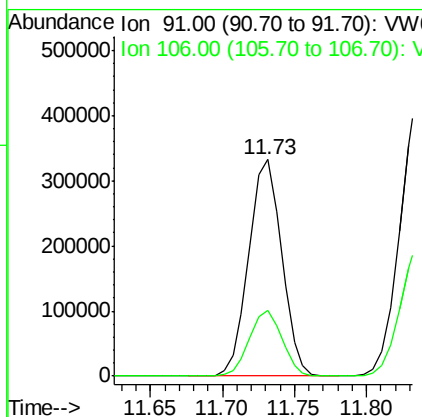
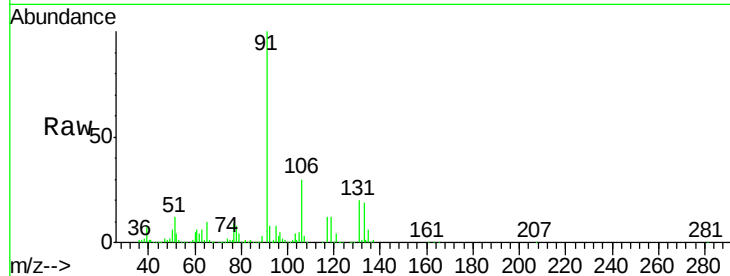
#67
Ethyl Benzene
Concen: 52.647 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.3	36.5

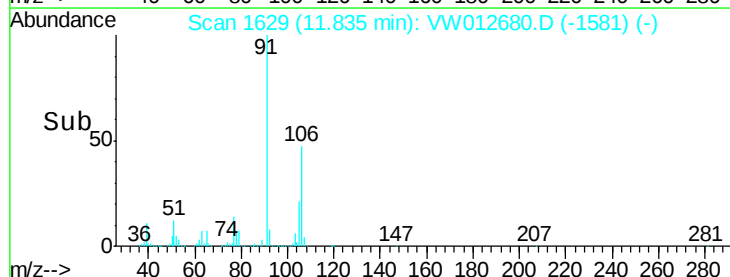
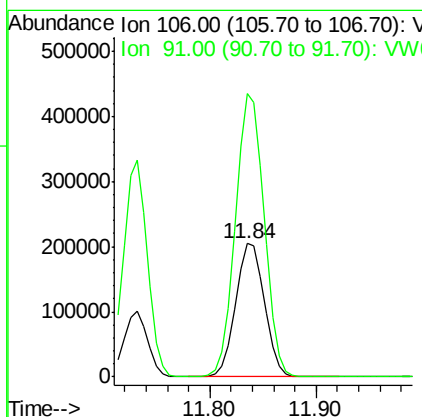
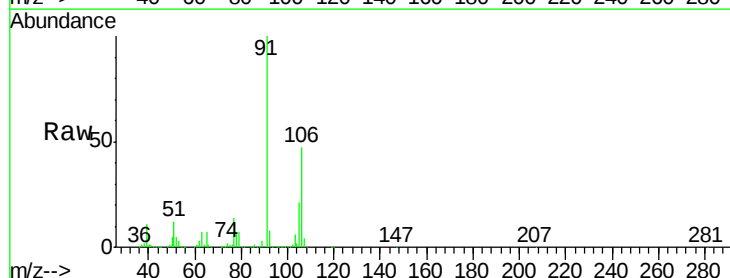
Manual Integrations
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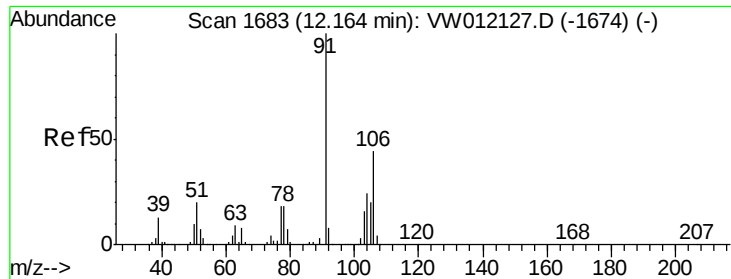
MMDadoda
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#68
m/p-Xylenes
Concen: 107.764 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.5	169.5	254.3





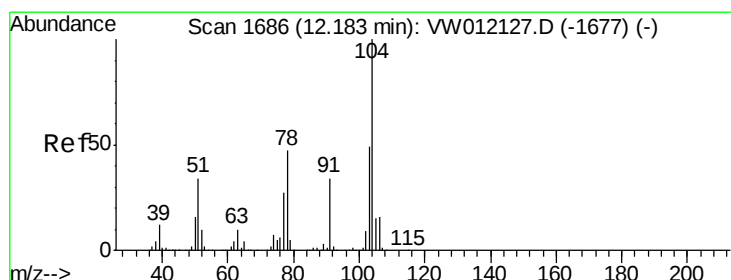
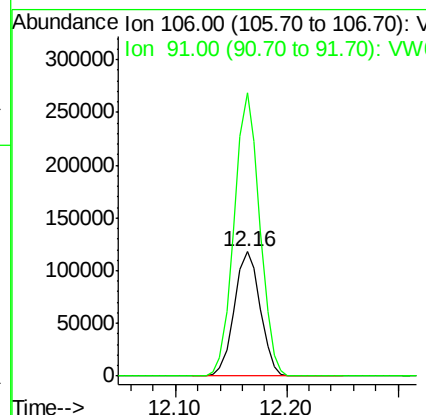
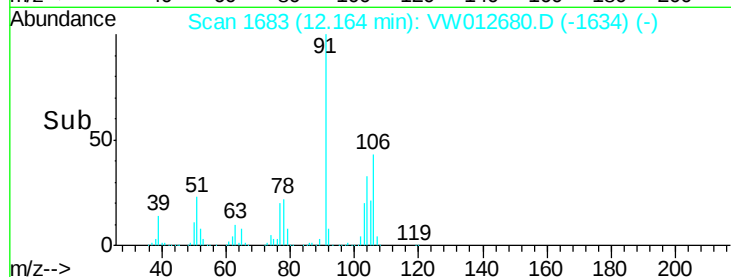
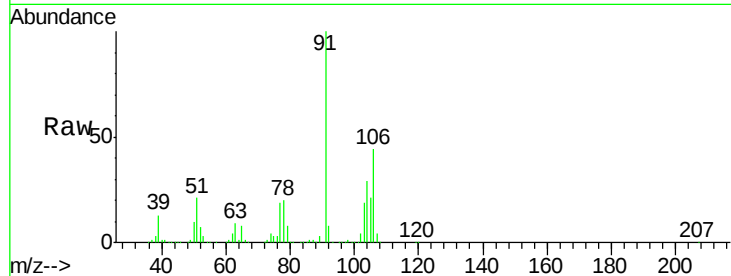
#69
o-Xylene
Concen: 56.968 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 190587
Ion Ratio Lower Upper
106 100
91 223.7 111.6 334.6

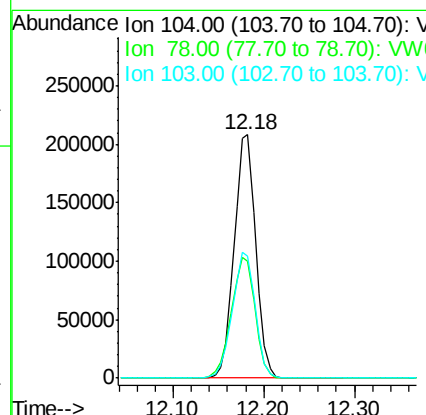
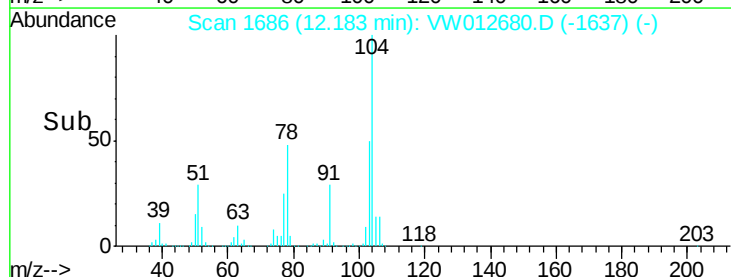
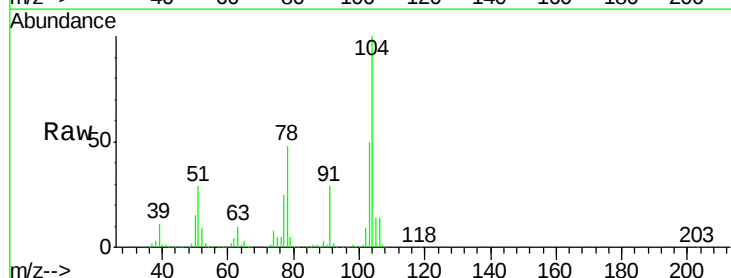
Manual Integrations
APPROVED

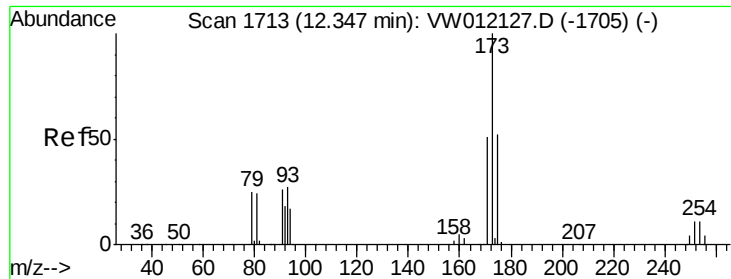
MMDadoda
9/6/2019 12:30:38 PM



#70
Styrene
Concen: 59.115 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion:104 Resp: 342316
Ion Ratio Lower Upper
104 100
78 54.6 43.1 64.7
103 54.9 43.5 65.3





#71

Bromoform

Concen: 69.371 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 62811

Ion Ratio Lower Upper

173 100

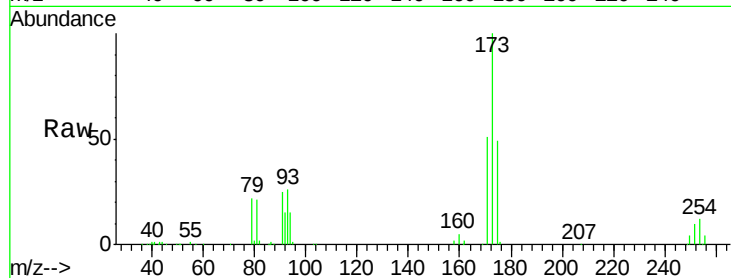
175 49.4 24.6 74.0

254 0.2 0.2 0.2

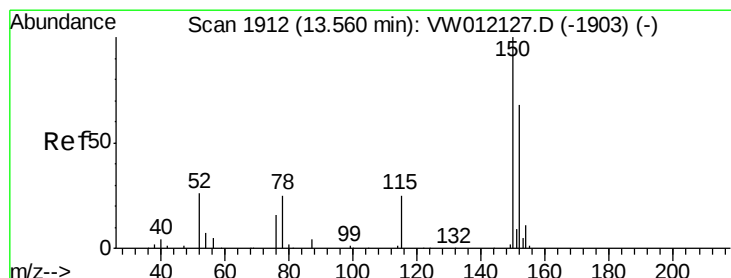
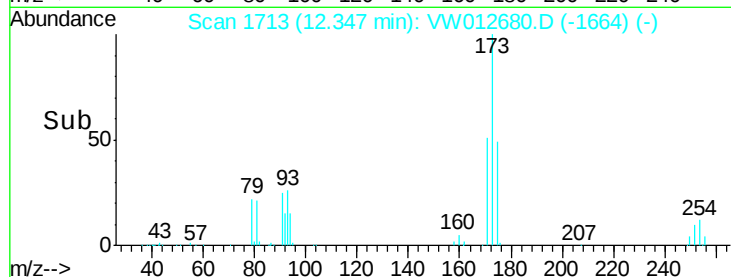
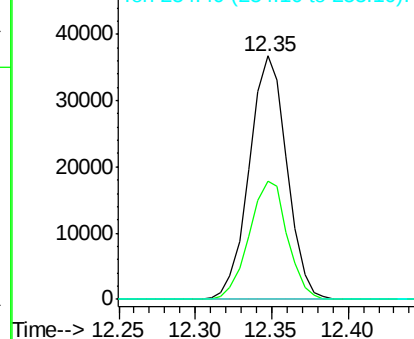
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

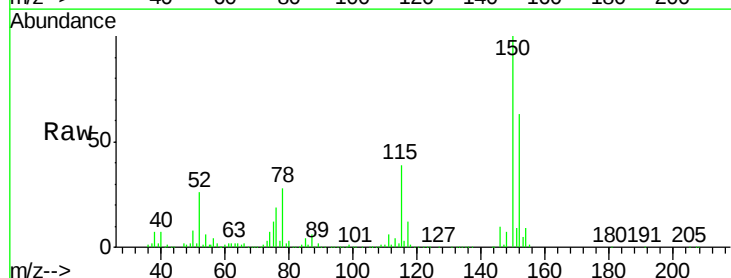
Tgt Ion:152 Resp: 134384

Ion Ratio Lower Upper

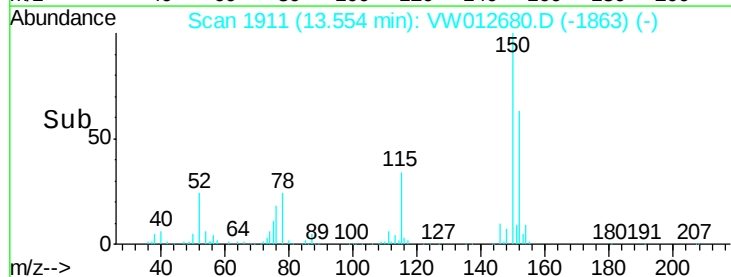
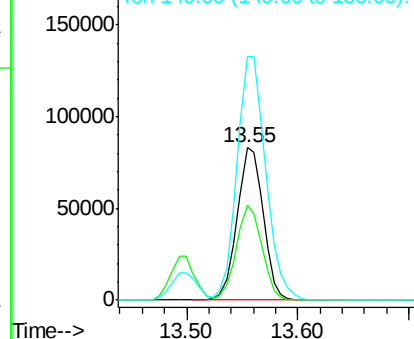
152 100

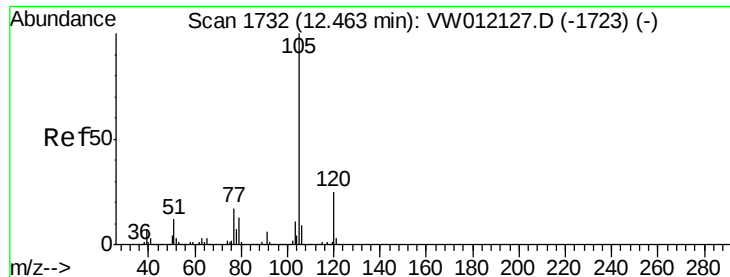
115 61.2 30.1 90.3

150 176.3 0.0 345.8



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





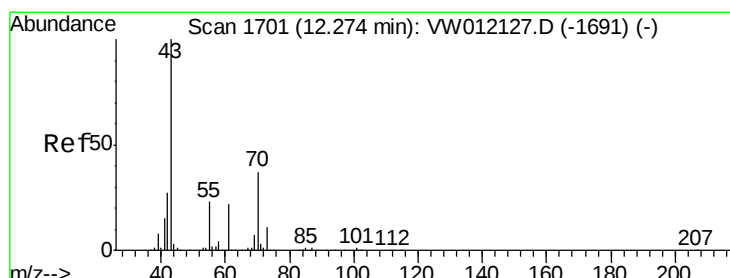
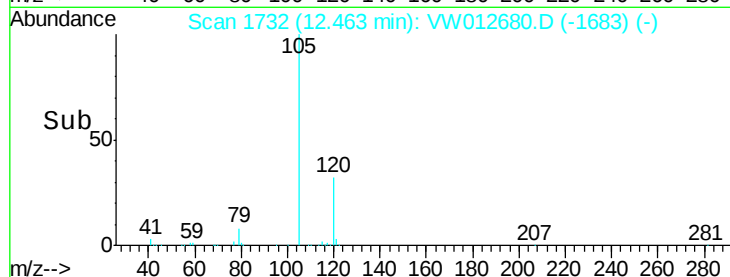
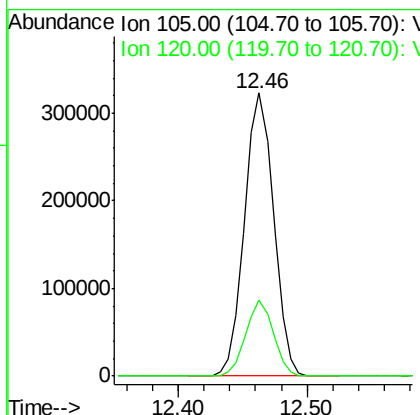
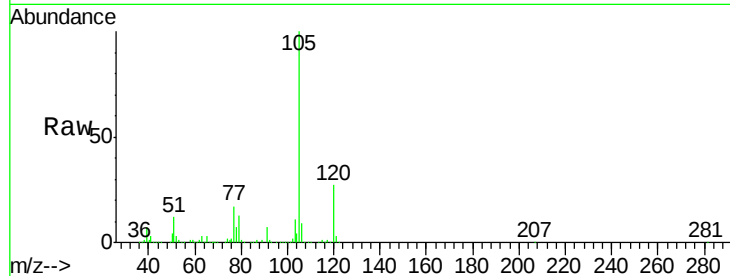
#73
Isopropylbenzene
Concen: 50.076 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.5	37.5

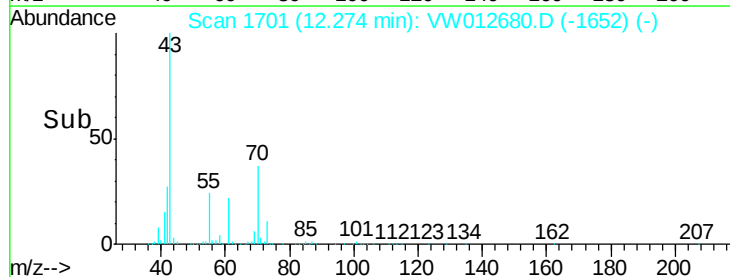
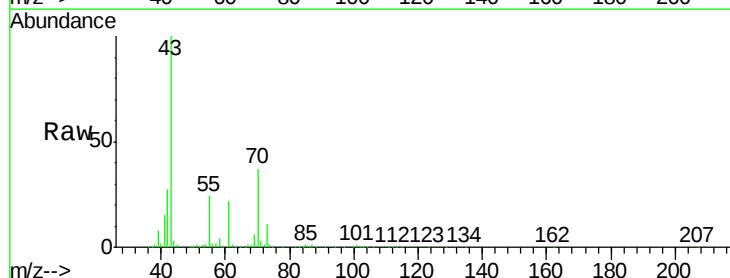
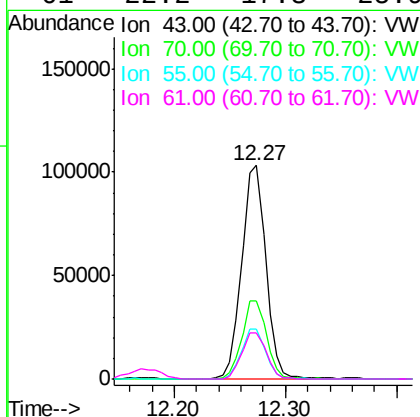
Manual Integrations
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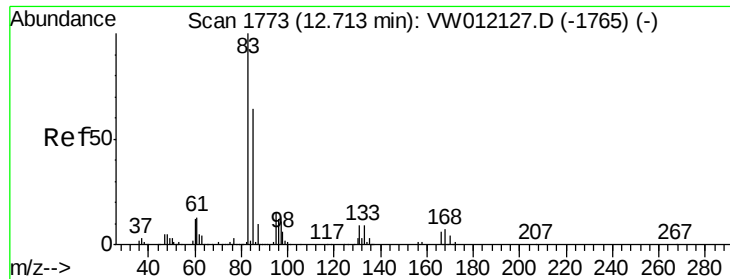
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9/6/2019 12:30:38 PM



#74
N-ethyl acetate
Concen: 51.358 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.6	28.6	43.0
55	23.7	17.8	26.6
61	22.2	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 61.101 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

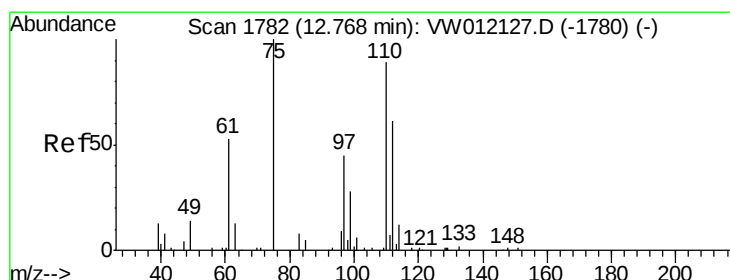
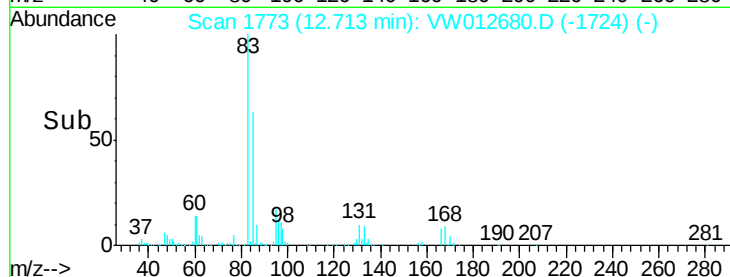
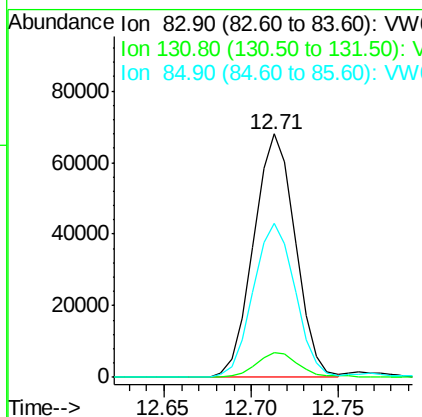
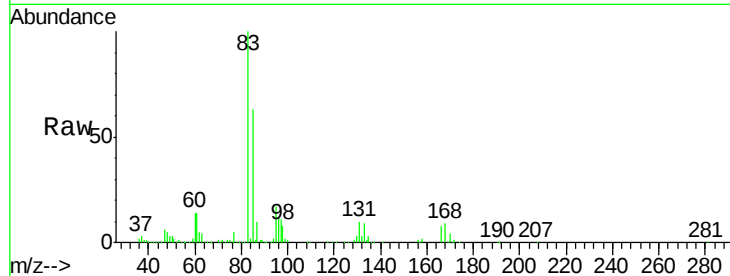
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	112796
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.7
85	63.6	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 71.166 ug/l m

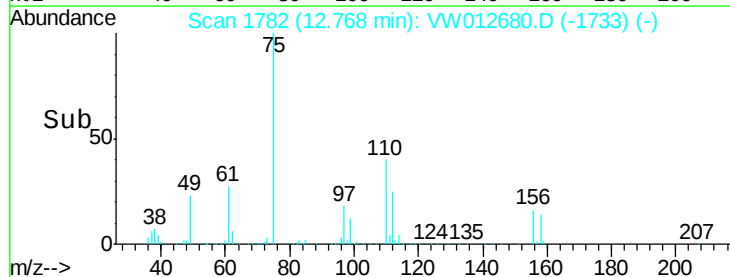
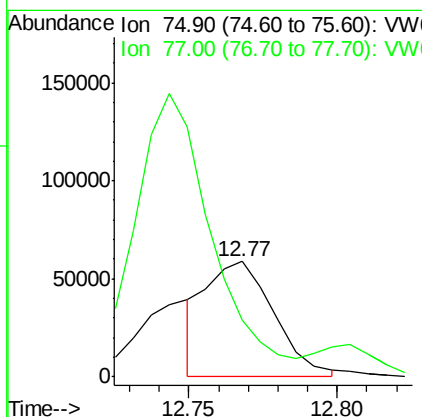
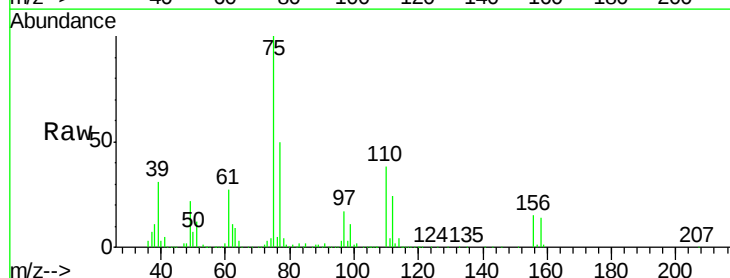
RT: 12.77 min Scan# 1782

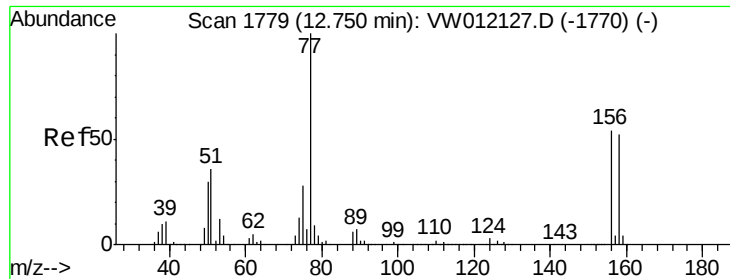
Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Tgt Ion:	75	Resp:	93142
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 59.178 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

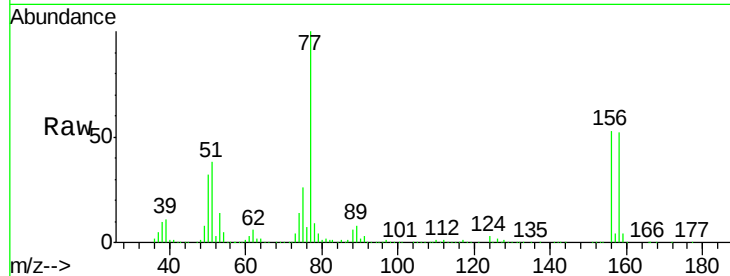
ClientSampleId :

VSTDCCC050EC

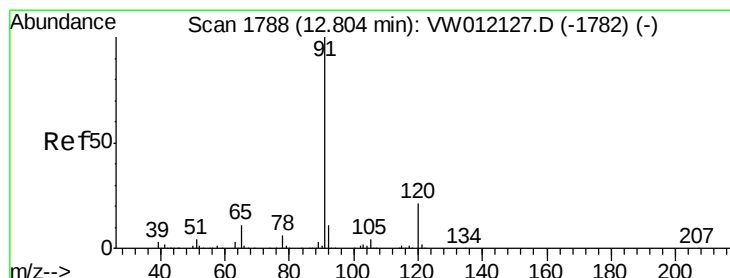
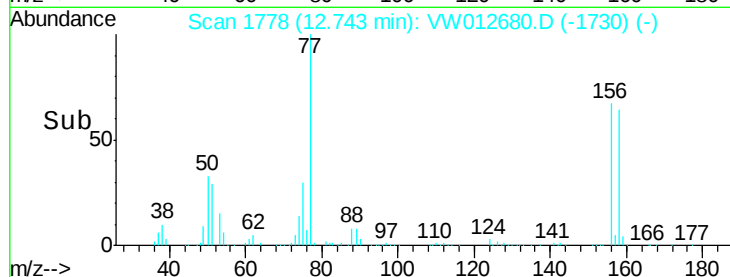
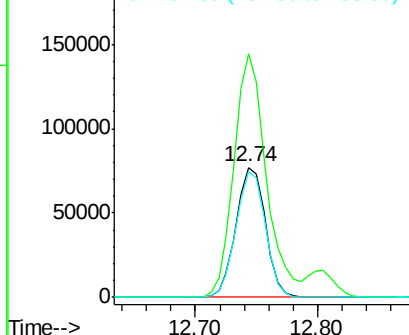
Tot Ion:	156	Resp:	128915
Ion Ratio	Lower	Upper	
156	100		
77	204.4	107.3	321.8
158	96.5	49.0	147.0

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.461 ug/l

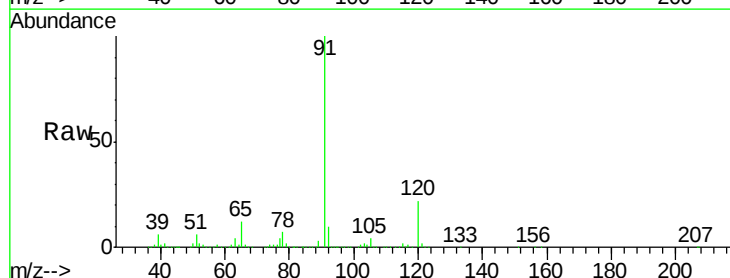
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

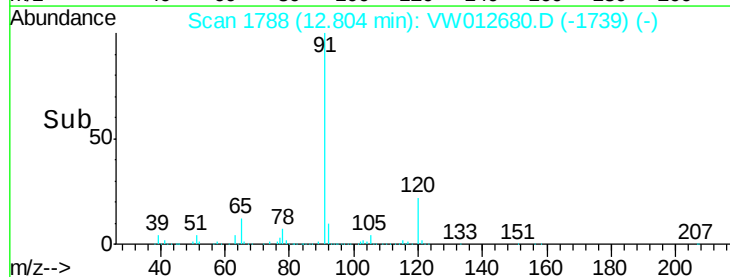
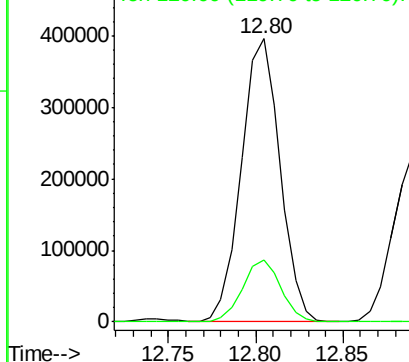
Lab File: VW012680.D

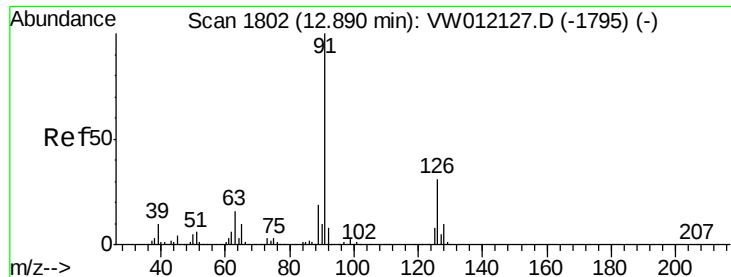
Acq: 06 Sep 2019 09:05

Tgt Ion:	91	Resp:	608025
Ion Ratio	Lower	Upper	
91	100		
120	21.8	10.5	31.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





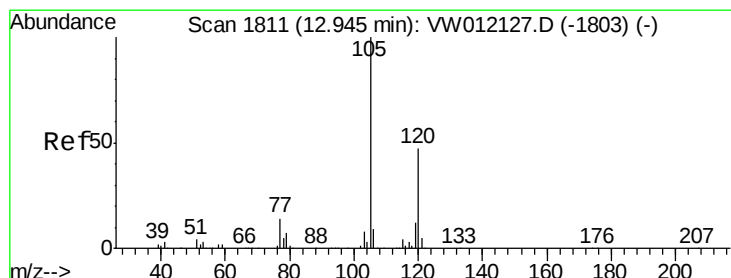
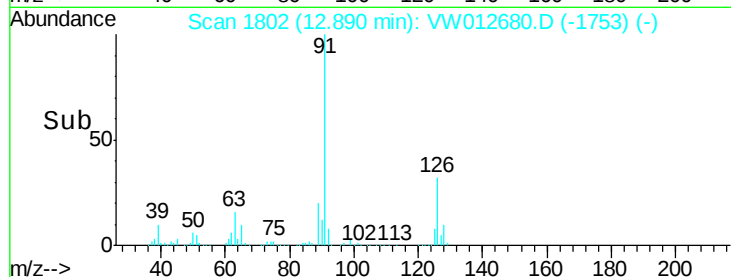
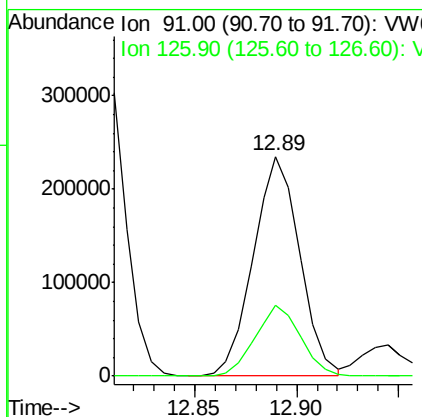
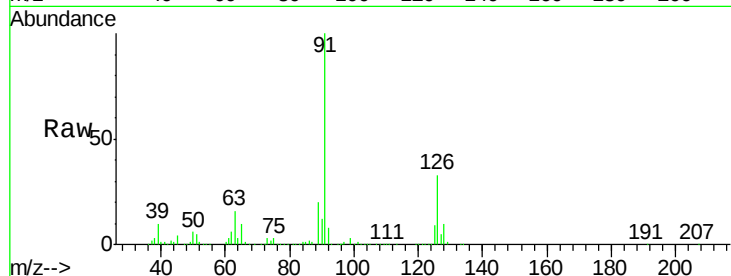
#79
 2-Chlorotoluene
 Concen: 53.329 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012680.D
 Acq: 06 Sep 2019 09:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 372196
 Ion Ratio Lower Upper
 91 100
 126 31.8 15.7 47.0

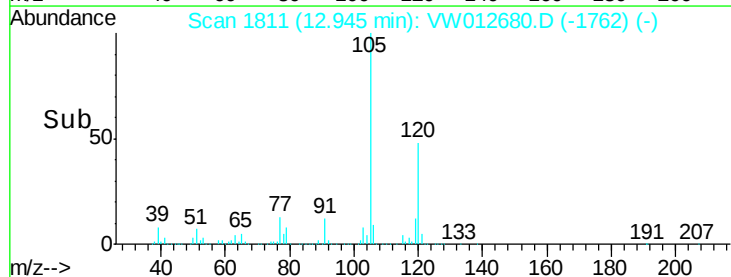
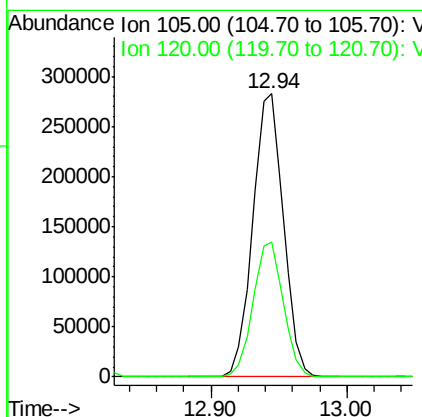
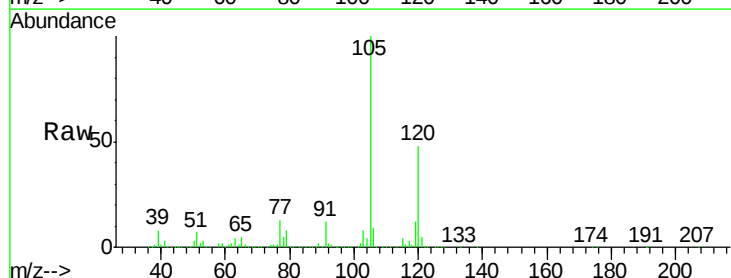
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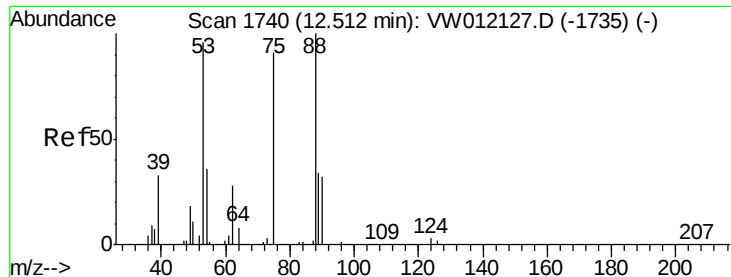
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.976 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012680.D
 Acq: 06 Sep 2019 09:05

Tgt Ion: 105 Resp: 445743
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.765 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

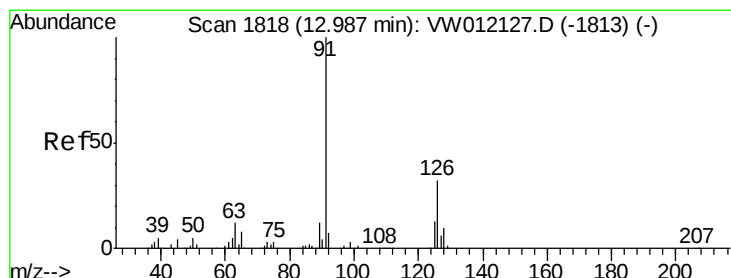
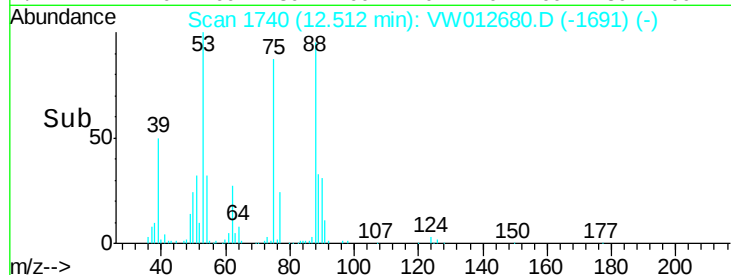
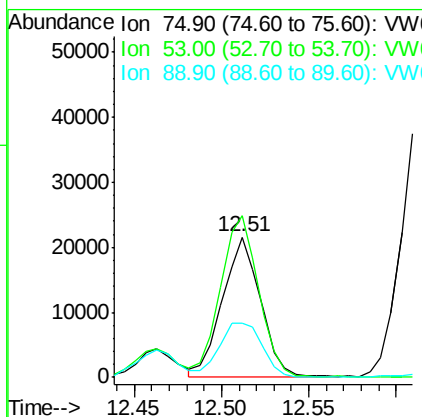
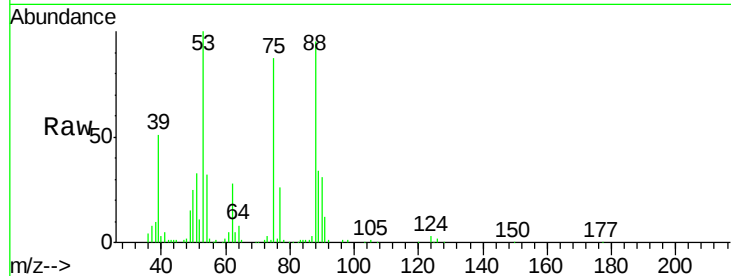
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	32094
Ion	Ratio	Lower	Upper
75	100		
53	117.7	89.4	134.0
89	43.9	34.5	51.7

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#82

4-Chlorotoluene

Concen: 53.429 ug/l

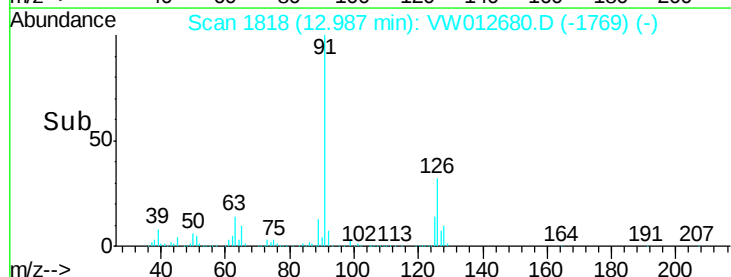
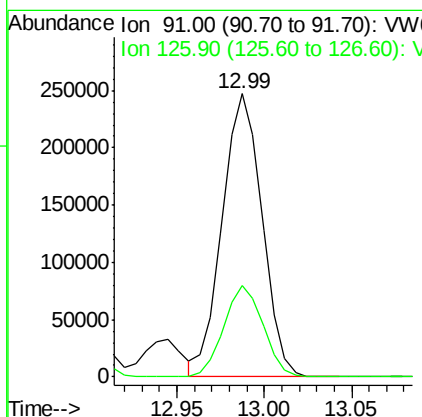
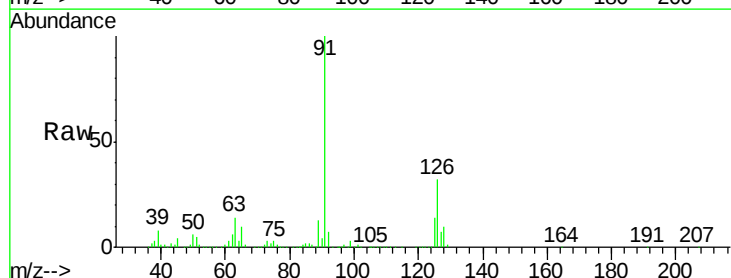
RT: 12.99 min Scan# 1818

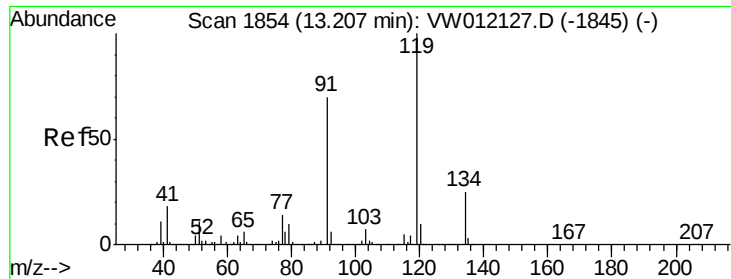
Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Tgt Ion:	91	Resp:	390446
Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.6	46.8





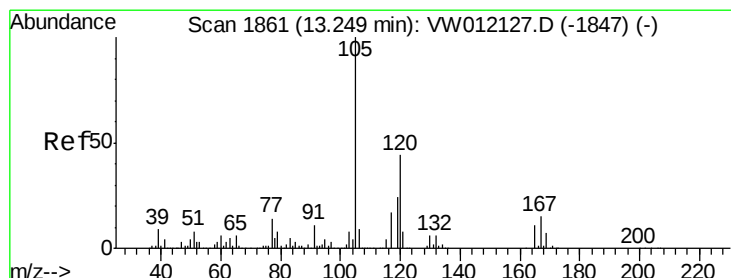
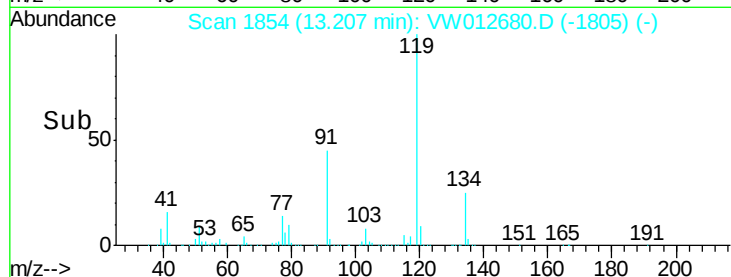
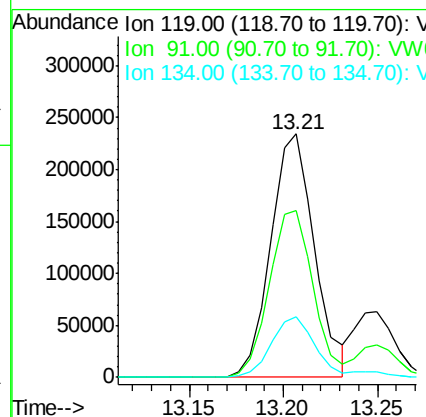
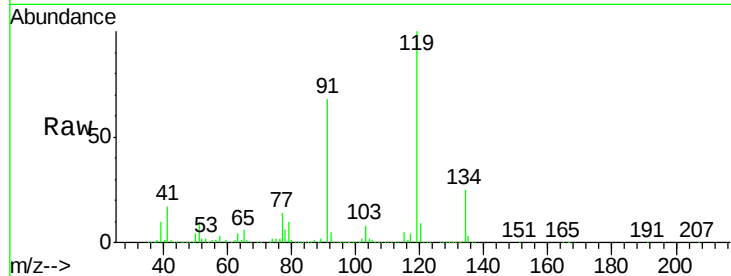
#83
tert-Butylbenzene
Concen: 52.865 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.8	104.3
134	24.9	13.3	39.8

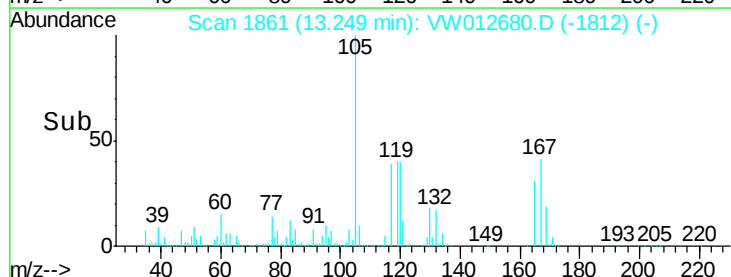
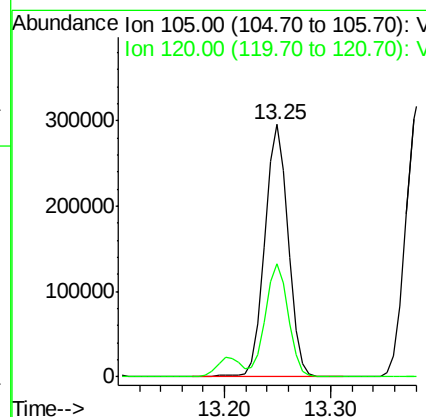
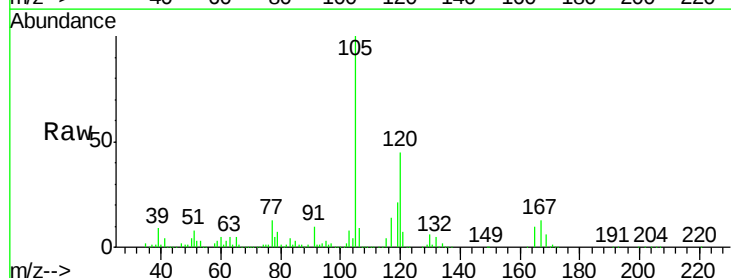
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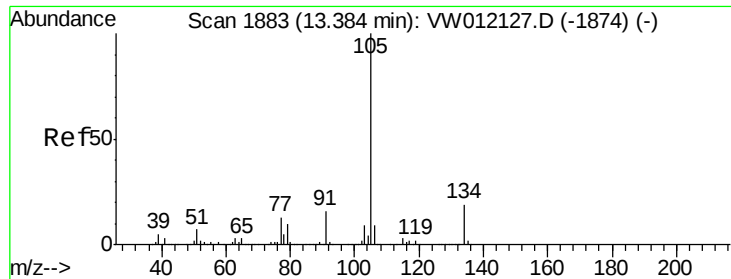
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 54.159 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.9	65.7





#85

sec-Butylbenzene

Concen: 49.400 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 504438

Ion Ratio Lower Upper

105 100

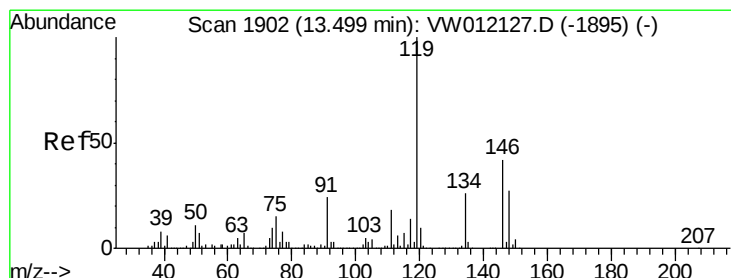
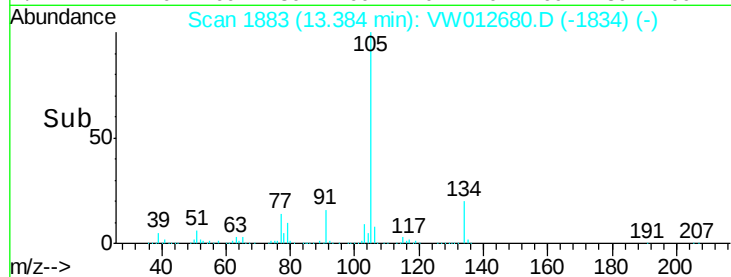
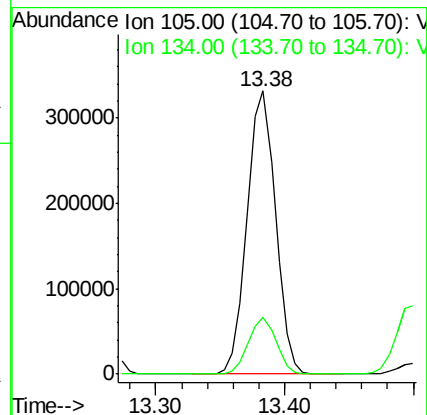
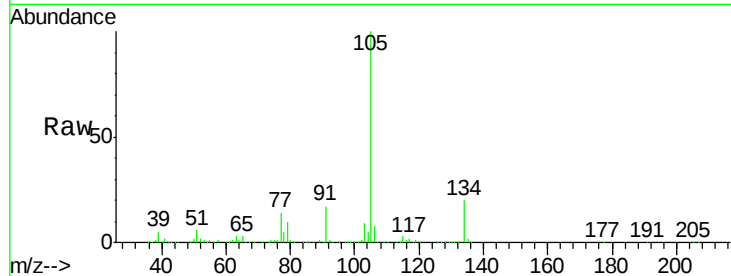
134 19.7 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 51.161 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

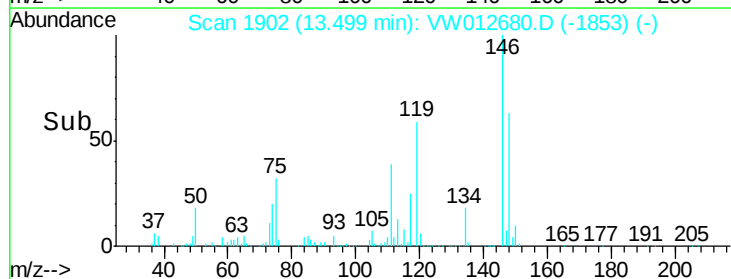
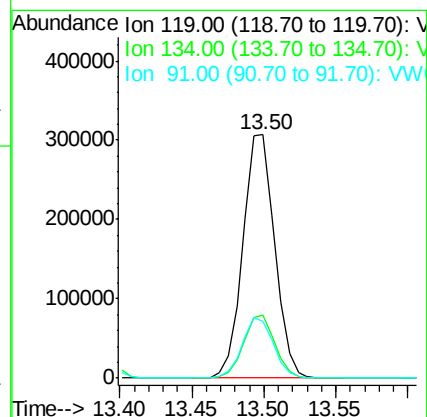
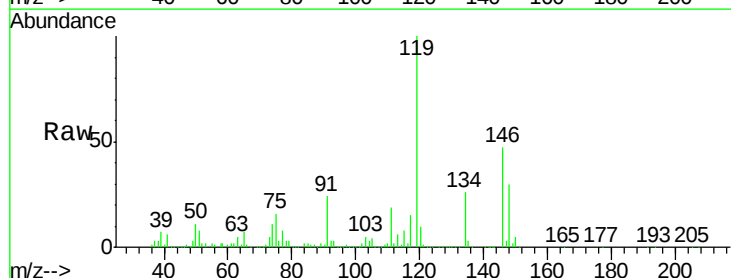
Tgt Ion:119 Resp: 466556

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 24.7 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 55.897 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

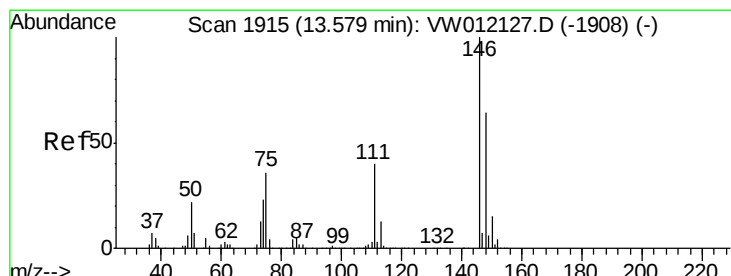
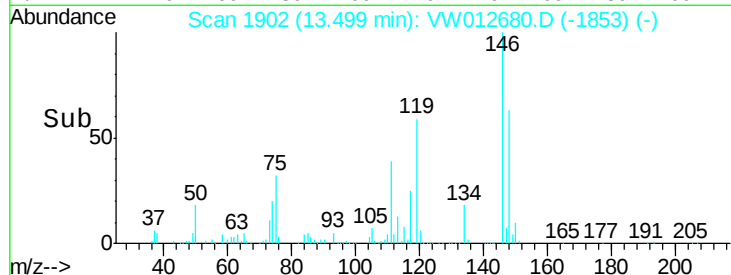
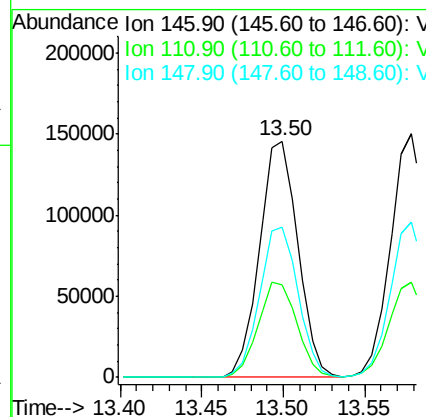
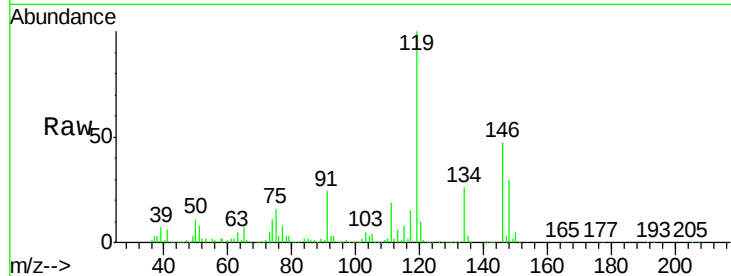
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	238175
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.9	62.7
148	64.0	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 55.893 ug/l

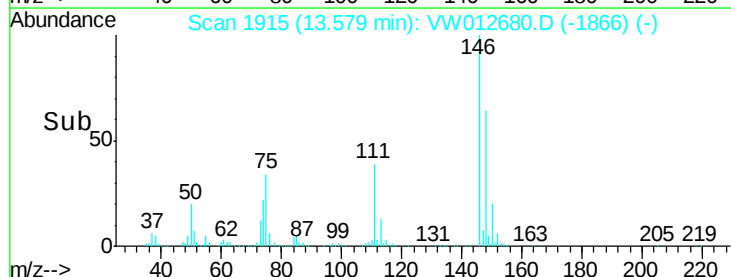
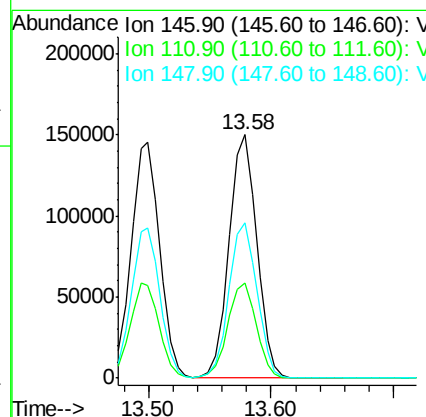
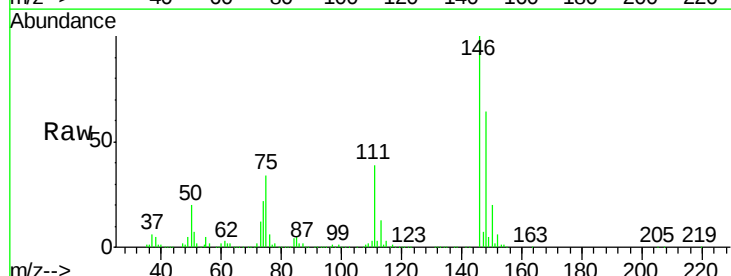
RT: 13.58 min Scan# 1915

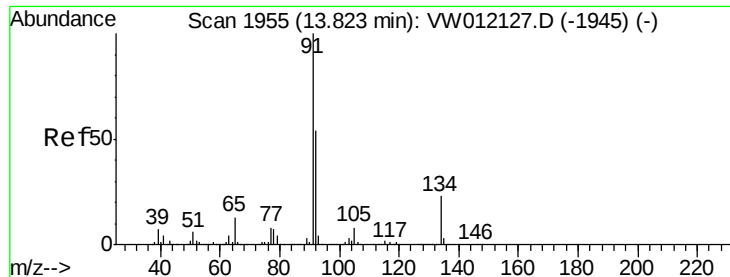
Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Tgt Ion:	146	Resp:	236475
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.0	60.0
148	64.4	32.1	96.3





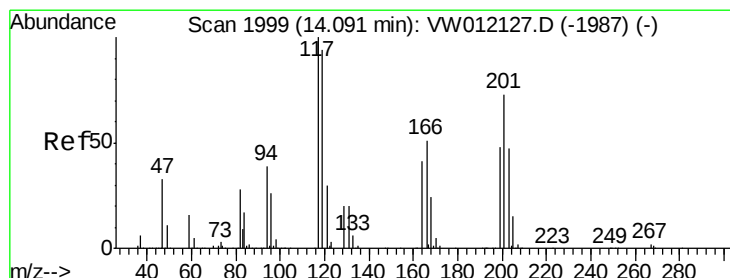
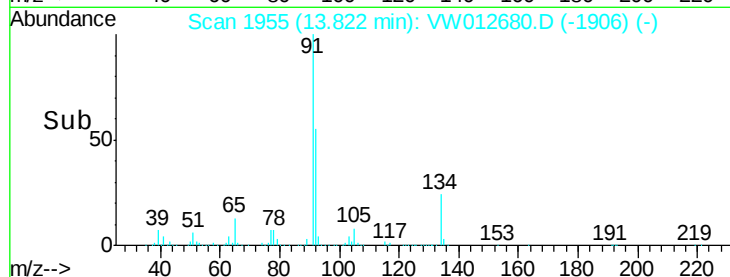
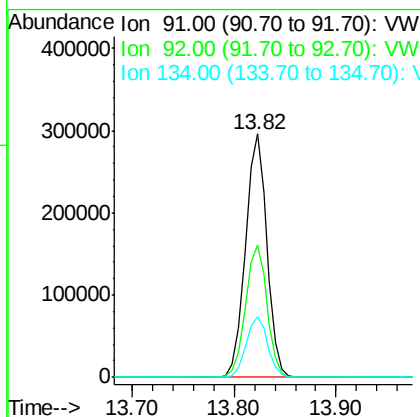
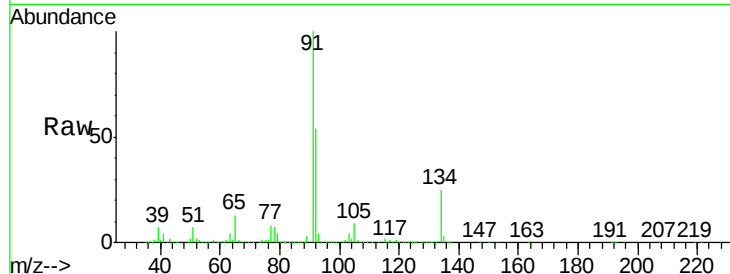
#89
n-Butylbenzene
Concen: 47.413 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.1	81.2
134	25.0	12.2	36.4

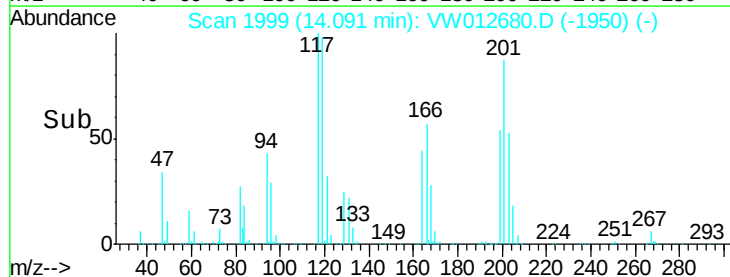
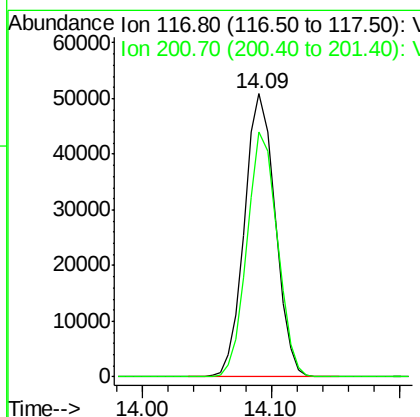
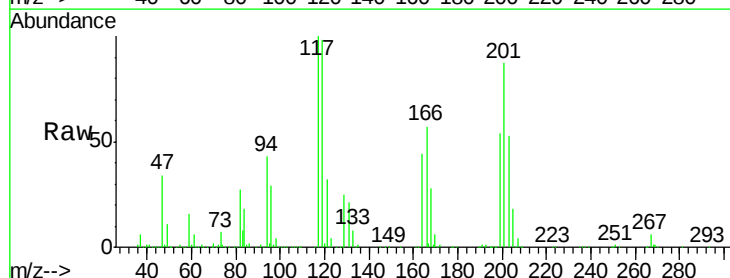
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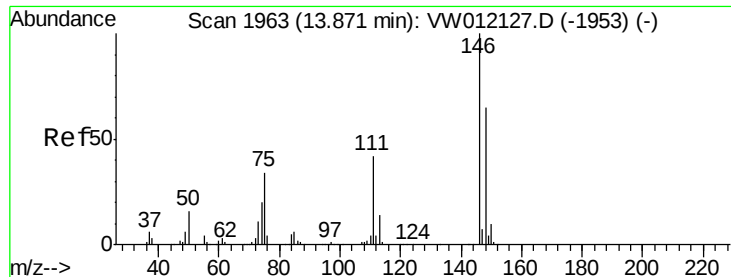
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#90
Hexachloroethane
Concen: 52.218 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	38.6	115.7





#91

1,2-Dichlorobenzene

Concen: 58.807 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

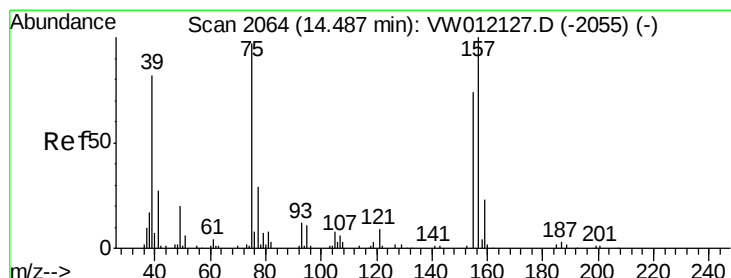
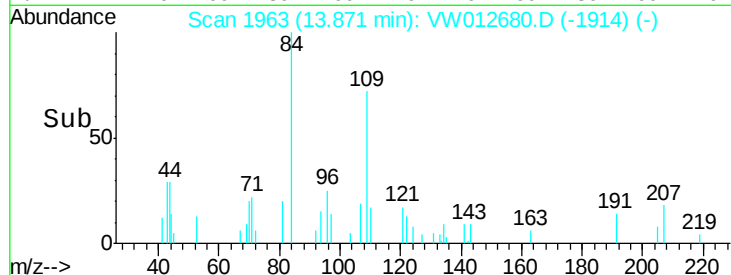
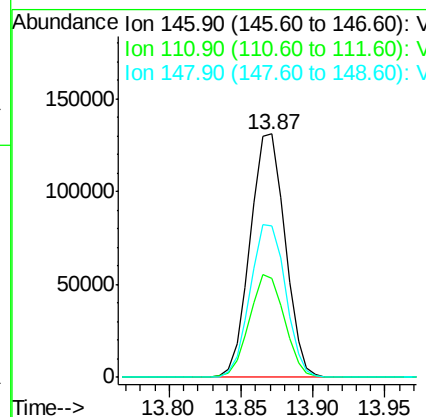
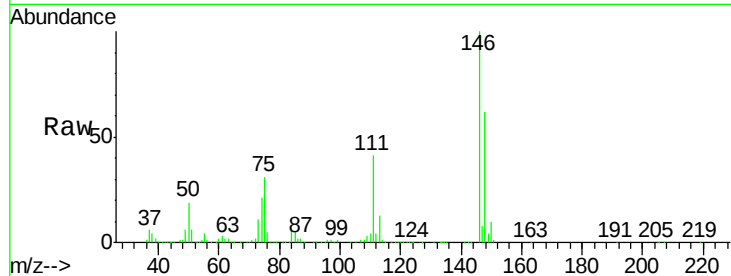
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	219819
Ion Ratio		Lower	Upper
146	100		
111	42.1	21.2	63.6
148	63.7	32.5	97.4

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 64.113 ug/l

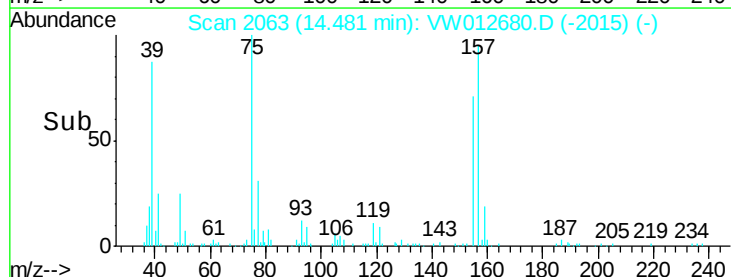
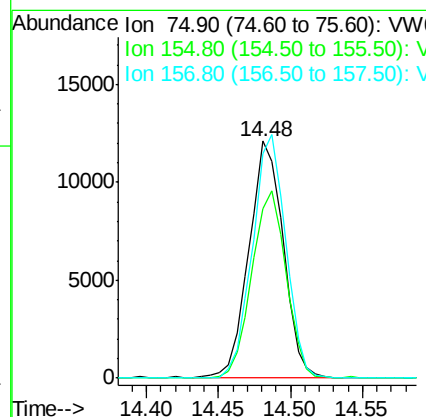
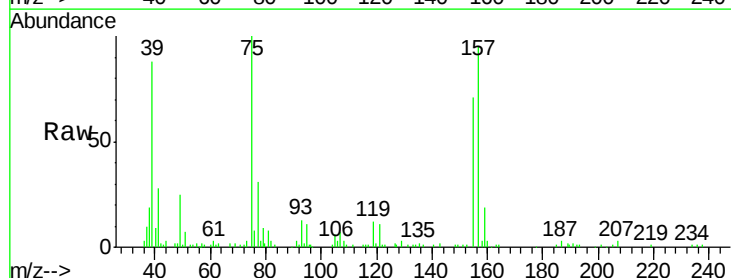
RT: 14.48 min Scan# 2063

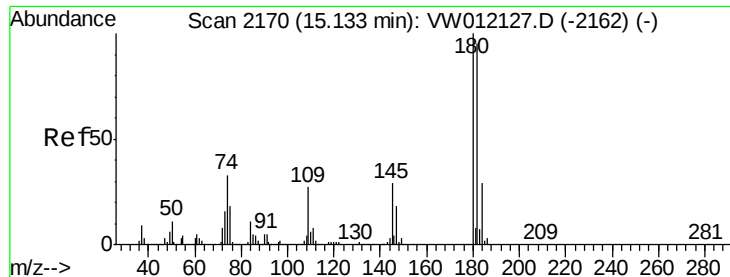
Delta R.T. -0.01 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Tgt Ion:	75	Resp:	19953
Ion Ratio		Lower	Upper
75	100		
155	78.7	37.5	112.3
157	99.5	50.5	151.5





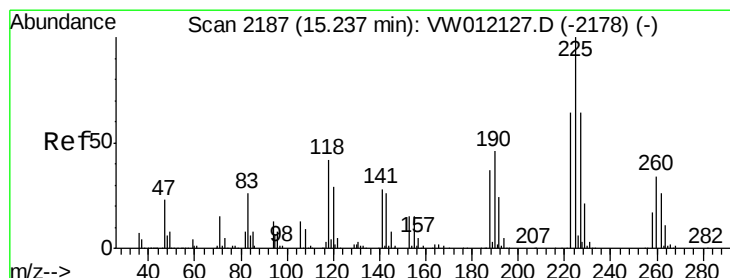
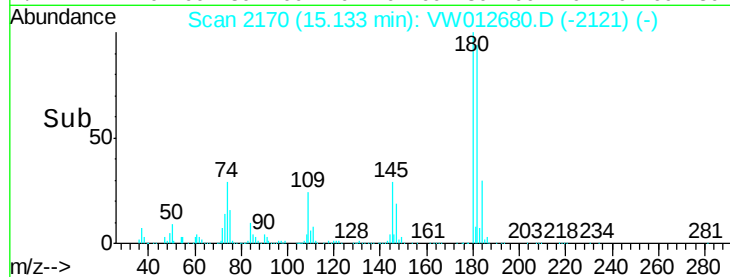
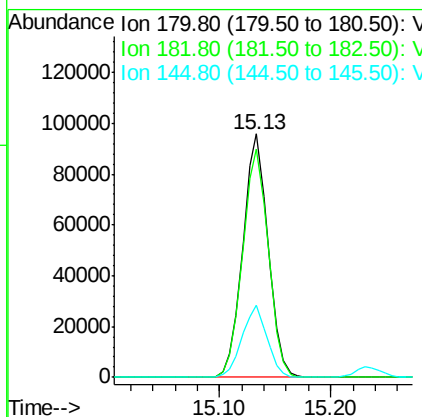
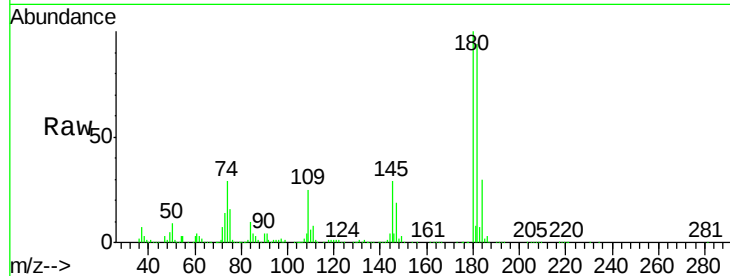
#93
1,2,4-Trichlorobenzene
Concen: 58.358 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	150748		
182	95.2	47.8	143.4	
145	29.5	15.0	45.1	

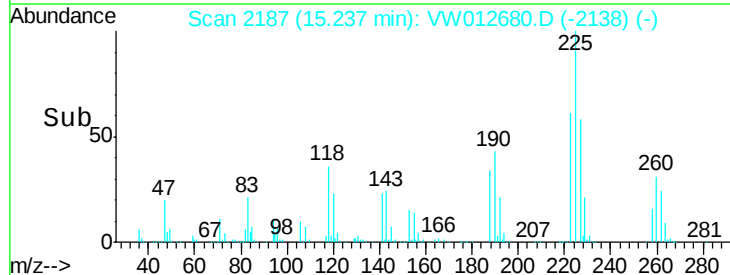
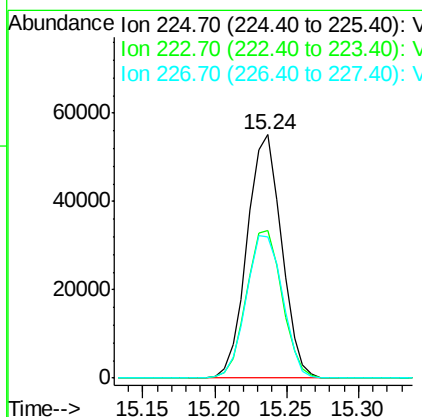
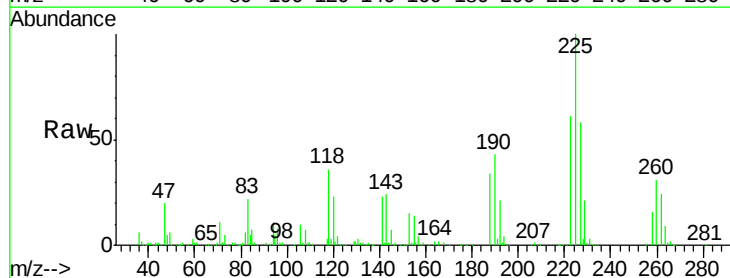
Manual Integrations
APPROVED

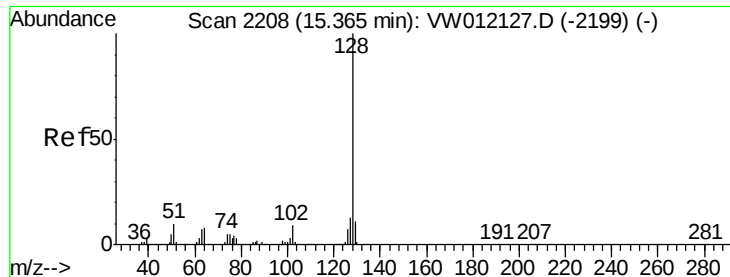
MMDadoda
9/6/2019 12:30:38 PM



#94
Hexachlorobutadiene
Concen: 53.481 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW012680.D
Acq: 06 Sep 2019 09:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91221		
223	62.7	32.3	96.8	
227	62.0	32.9	98.6	





#95

Naphthalene

Concen: 59.046 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 303638

Ion Ratio Lower Upper

128 100

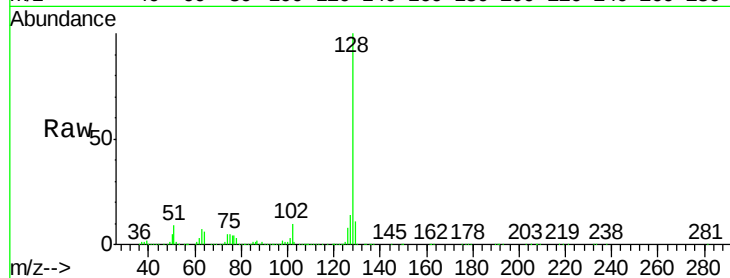
127 13.9 10.7 16.1

129 11.3 8.7 13.1

Manual Integrations
APPROVED

MMDadoda

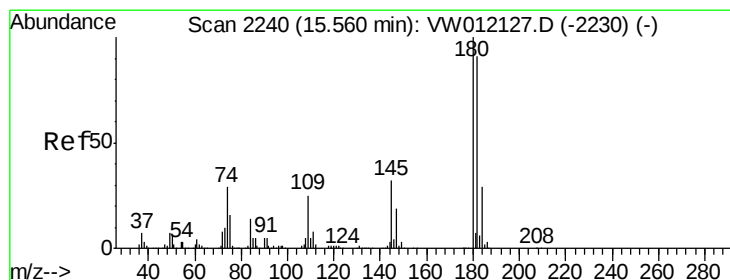
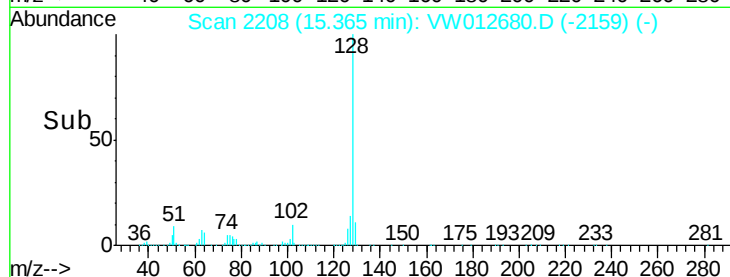
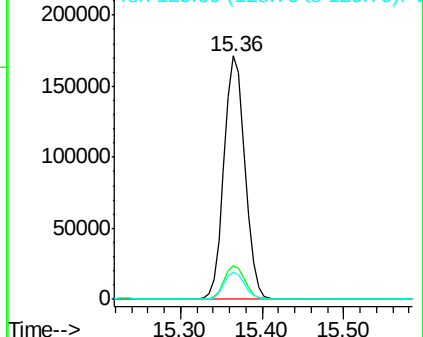
9/6/2019 12:30:38 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 62.536 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012680.D

Acq: 06 Sep 2019 09:05

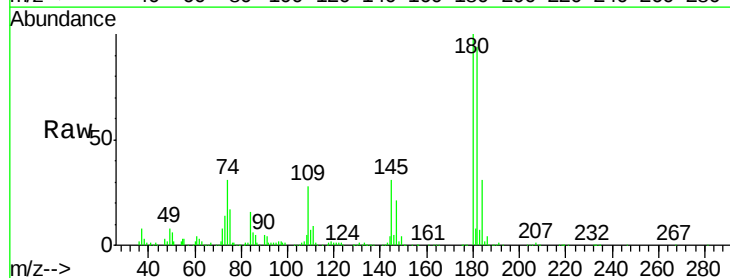
Tgt Ion:180 Resp: 140940

Ion Ratio Lower Upper

180 100

182 94.3 47.1 141.3

145 30.8 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

