

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090119\
 Data File : VW012440.D
 Acq On : 01 Sep 2019 11:47
 Operator : SY/VA
 Sample : VW0901SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:44:20 AM

Quant Time: Sep 02 07:38:10 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	221268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	148639	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132705	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
35) Dibromofluoromethane	7.88	113	106394	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
50) Toluene-d8	10.32	98	428848	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.62	95	151921	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27054	19.857	ug/l	100
3) Chloromethane	2.22	50	44615	21.137	ug/l	98
4) Vinyl Chloride	2.36	62	51991	20.124	ug/l	97
5) Bromomethane	2.72	94	23078m	17.638	ug/l	
6) Chloroethane	2.89	64	30656	21.034	ug/l	97
7) Trichlorofluoromethane	3.24	101	31416	24.217	ug/l	94
8) Diethyl Ether	3.68	74	23198	18.839	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46829	21.237	ug/l	99
10) Methyl Iodide	4.26	142	58019	19.446	ug/l	97
11) Tert butyl alcohol	5.17	59	16903	106.784	ug/l	97
12) 1,1-Dichloroethene	4.03	96	43533	19.615	ug/l	94
13) Acrolein	3.89	56	12084	81.099	ug/l	98
14) Allyl chloride	4.66	41	92941	19.588	ug/l	97
15) Acrylonitrile	5.36	53	62049	101.664	ug/l	99
16) Acetone	4.12	43	69491	103.352	ug/l	99
17) Carbon Disulfide	4.37	76	108941	16.242	ug/l	100
18) Methyl Acetate	4.66	43	35790	21.491	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	77070	21.473	ug/l	96
20) Methylene Chloride	4.91	84	50094	19.708	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	46810	19.668	ug/l	99
22) Diisopropyl ether	6.31	45	184405	20.967	ug/l	98
23) Vinyl Acetate	6.25	43	525600	97.108	ug/l	100
24) 1,1-Dichloroethane	6.21	63	99428	20.763	ug/l	97
25) 2-Butanone	7.17	43	89617	98.084	ug/l	98
26) 2,2-Dichloropropane	7.16	77	60902	22.469	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	51588	20.288	ug/l	97
28) Bromochloromethane	7.51	49	42164	20.202	ug/l	100
29) Tetrahydrofuran	7.52	42	54381	99.206	ug/l	98
30) Chloroform	7.67	83	94919	21.665	ug/l	96
31) Cyclohexane	7.95	56	89678	18.928	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	77676	22.412	ug/l	99
36) 1,1-Dichloropropene	8.08	75	76181	21.761	ug/l	100
37) Ethyl Acetate	7.25	43	37485	19.540	ug/l	98
38) Carbon Tetrachloride	8.07	117	69328	22.880	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78199	19.883	ug/l	98
40) Benzene	8.32	78	204130	21.354	ug/l	99
41) Methacrylonitrile	7.48	41	23890	21.188	ug/l	98
42) 1,2-Dichloroethane	8.40	62	67236	22.442	ug/l	100
43) Isopropyl Acetate	8.42	43	73570	20.703	ug/l	99
44) Trichloroethene	9.09	130	50447	21.709	ug/l	99
45) 1,2-Dichloropropane	9.37	63	54540	21.200	ug/l	98
46) Dibromomethane	9.46	93	24433	21.345	ug/l	98
47) Bromodichloromethane	9.64	83	66848	21.943	ug/l	100
48) Methyl methacrylate	9.43	41	34253	20.253	ug/l	99
49) 1,4-Dioxane	9.45	88	7553	431.019	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	191459	105.929	ug/l	98
52) Toluene	10.38	92	124163	21.621	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	66489	21.426	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	79034	21.093	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	35607	21.986	ug/l	99
56) Ethyl methacrylate	10.65	69	49086	20.825	ug/l	98
57) 1,3-Dichloropropane	10.93	76	65872	21.523	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	120779	99.840	ug/l	99
59) 2-Hexanone	10.97	43	135601	106.032	ug/l	99
60) Dibromochloromethane	11.13	129	38414	21.295	ug/l	99
61) 1,2-Dibromoethane	11.24	107	32065	21.252	ug/l	100
64) Tetrachloroethene	10.86	164	41697	21.830	ug/l	97
65) Chlorobenzene	11.66	112	127331	21.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44869	22.171	ug/l	99
67) Ethyl Benzene	11.73	91	245920	22.006	ug/l	98
68) m/p-Xylenes	11.83	106	177119	44.001	ug/l	99
69) o-Xylene	12.16	106	80847	21.701	ug/l	97
70) Styrene	12.18	104	143429	22.242	ug/l	99
71) Bromoform	12.35	173	21373	21.197	ug/l #	98
73) Isopropylbenzene	12.46	105	236833	21.264	ug/l	100
74) N-amyl acetate	12.27	43	66384	19.728	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	40622	19.894	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	28179m	19.466	ug/l	
77) Bromobenzene	12.74	156	50999	21.166	ug/l	98
78) n-propylbenzene	12.80	91	288056	21.185	ug/l	99
79) 2-Chlorotoluene	12.89	91	164285	21.282	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	201433	21.644	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13153	19.921	ug/l	98
82) 4-Chlorotoluene	12.99	91	171818	21.257	ug/l	100
83) tert-Butylbenzene	13.21	119	171170	21.712	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	201668	21.572	ug/l	100
85) sec-Butylbenzene	13.38	105	244919	21.685	ug/l	99
86) p-Isopropyltoluene	13.50	119	220356	21.846	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	98768	20.957	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	100314	21.436	ug/l	99
89) n-Butylbenzene	13.82	91	219041	21.837	ug/l	100
90) Hexachloroethane	14.09	117	37136	20.985	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	89609	21.674	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7068	20.533	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	61978	21.692	ug/l	99
94) Hexachlorobutadiene	15.24	225	44107	23.379	ug/l	98
95) Naphthalene	15.36	128	97389	20.190	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	53511	21.466	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: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBS01

Tot Ion:168 Resp: 221268

Ion Ratio Lower Upper

168 100

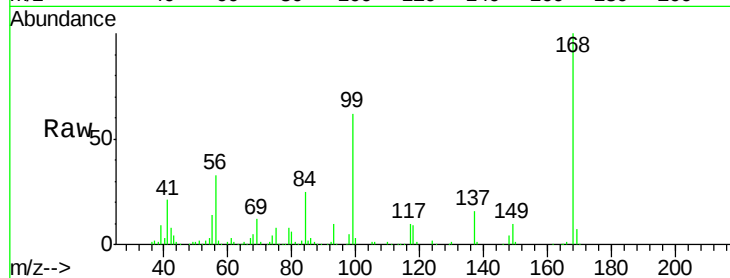
99 62.0 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

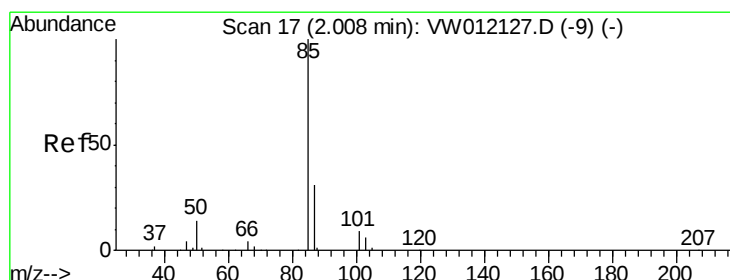
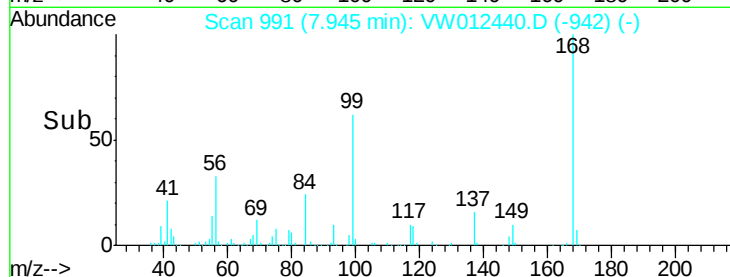
40000

20000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.857 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012440.D

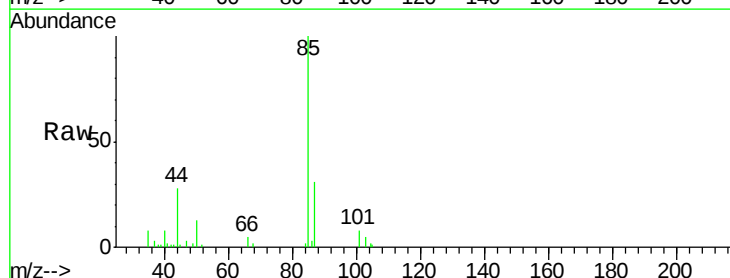
Acq: 01 Sep 2019 11:47

Tgt Ion: 85 Resp: 27054

Ion Ratio Lower Upper

85 100

87 31.2 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

10000

8000

6000

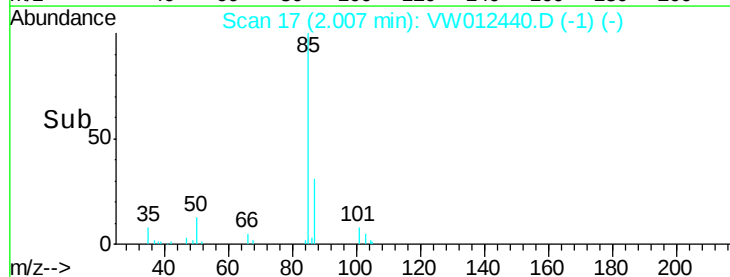
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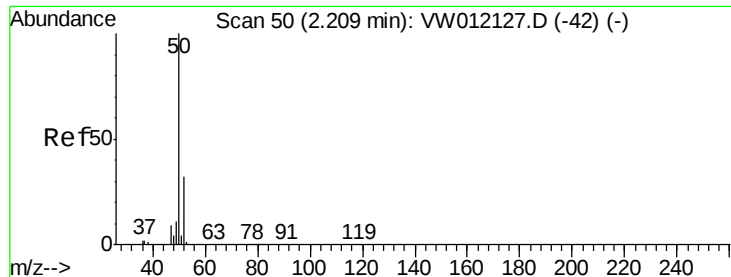
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.137 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBS01

Tot Ion: 50 Resp: 44615

Ion Ratio Lower Upper

50 100

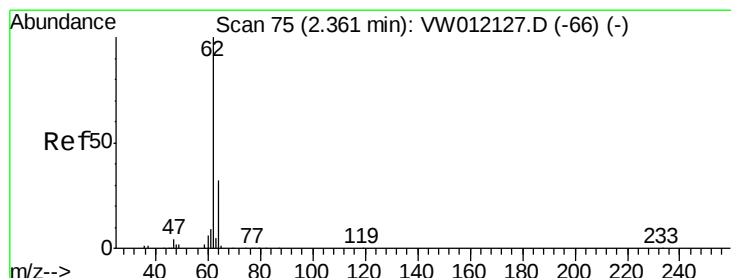
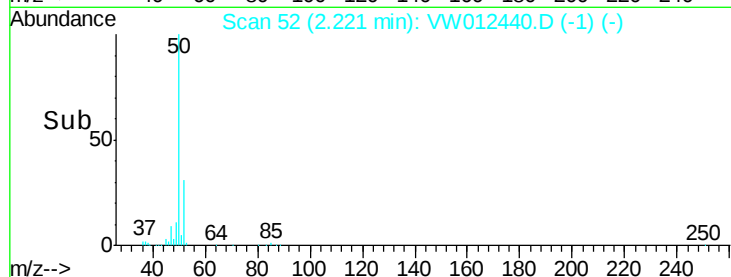
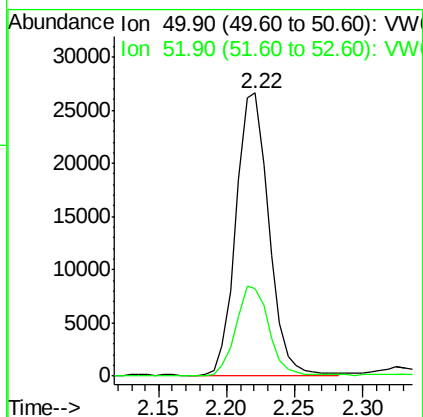
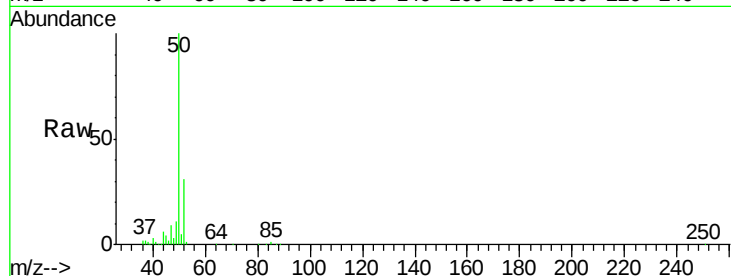
52 31.0 25.5 38.3

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#4

Vinyl Chloride

Concen: 20.124 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012440.D

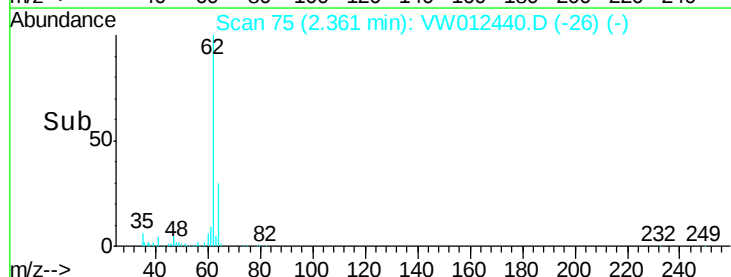
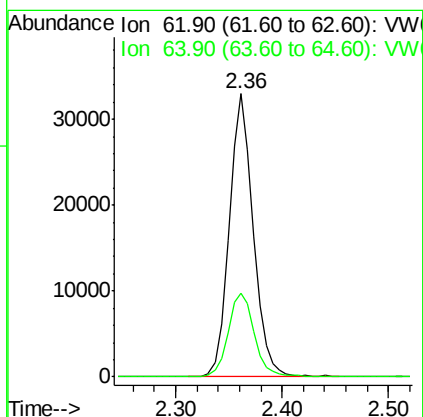
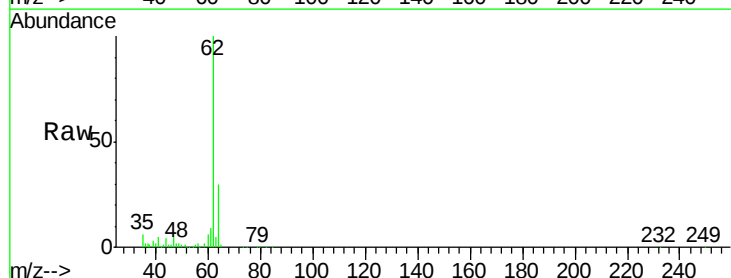
Acq: 01 Sep 2019 11:47

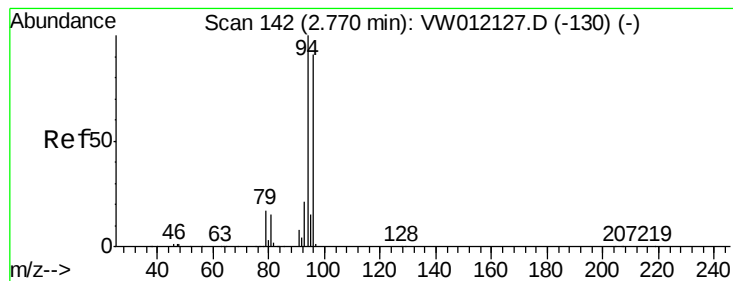
Tgt Ion: 62 Resp: 51991

Ion Ratio Lower Upper

62 100

64 29.8 25.3 37.9





#5

Bromomethane

Concen: 17.638 ug/l m

RT: 2.72 min Scan# 134

Delta R.T. -0.05 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

ClientSampled :

VW0901SBS01

Tot Ion: 94 Resp: 23078

Ion Ratio Lower Upper

94 100

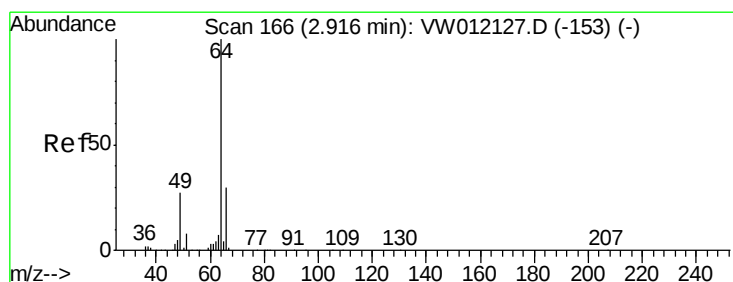
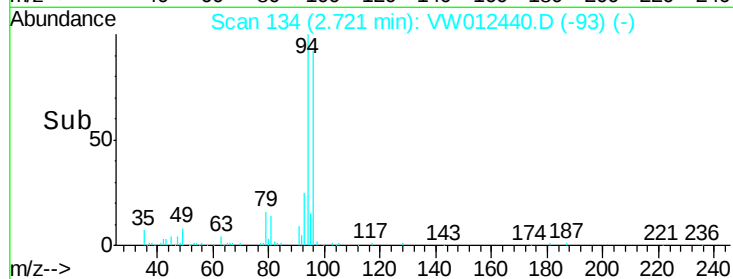
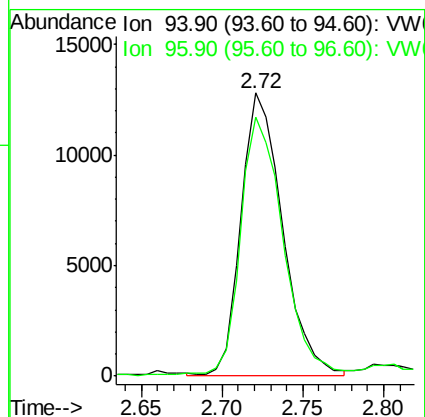
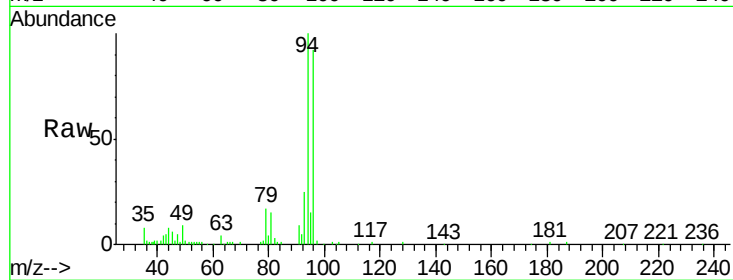
96 91.6 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 21.034 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.02 min

Lab File: VW012440.D

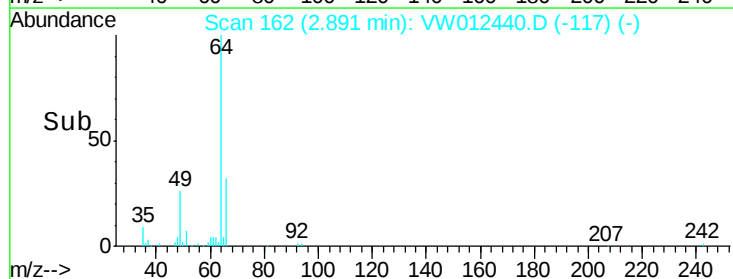
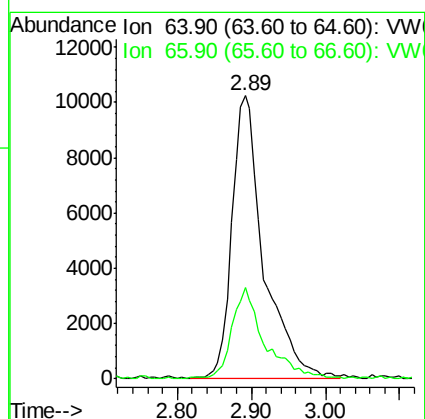
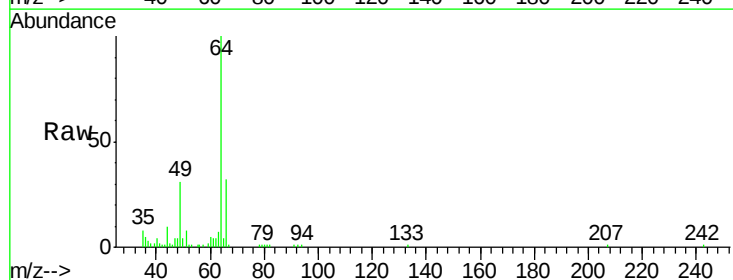
Acq: 01 Sep 2019 11:47

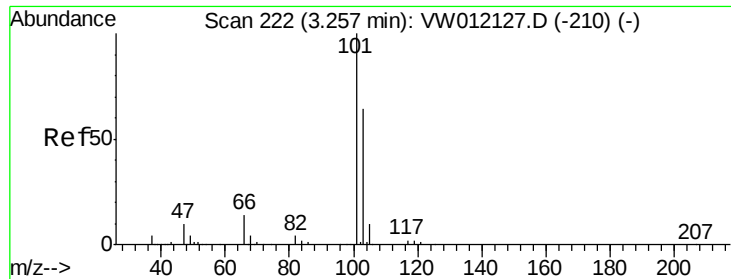
Tgt Ion: 64 Resp: 30656

Ion Ratio Lower Upper

64 100

66 31.6 23.8 35.8





#7

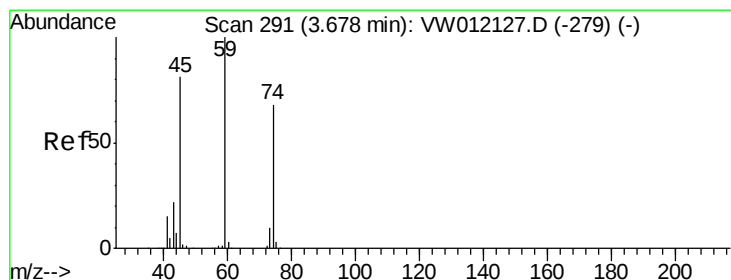
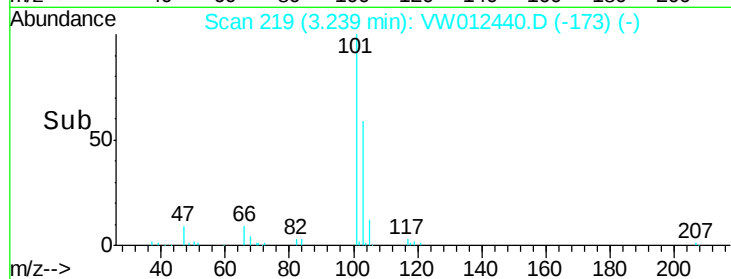
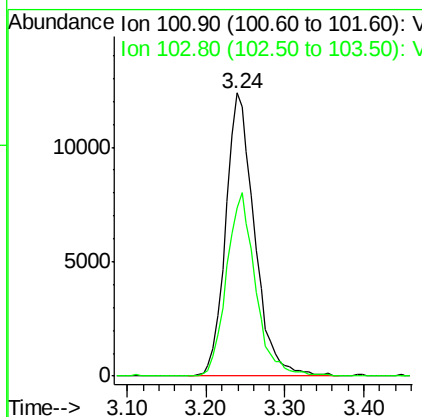
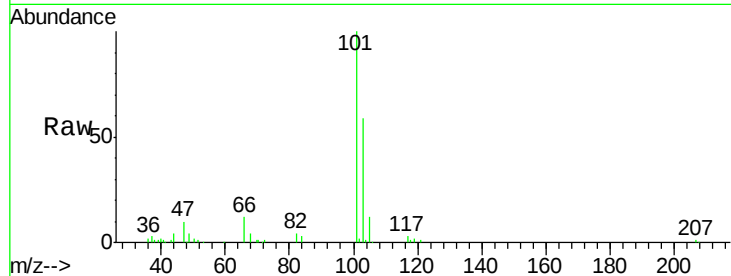
Trichlorofluoromethane
 Concen: 24.217 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Instrument :
 MSVOA_W
 ClientSampled :
 VW0901SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.3	51.2	76.8

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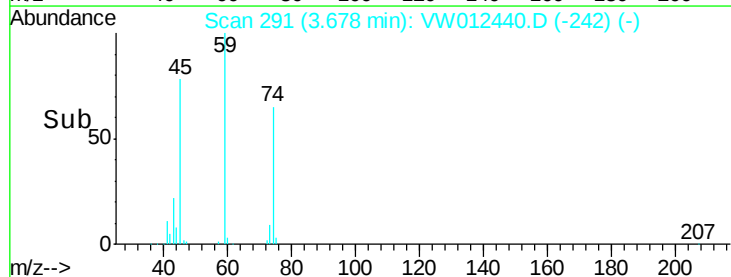
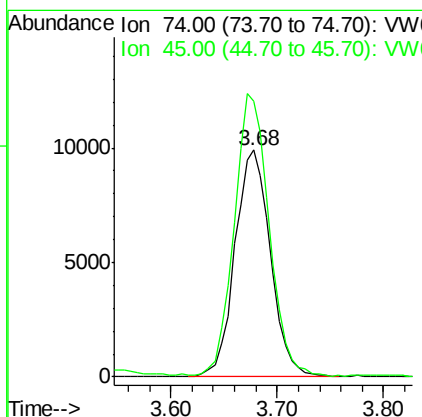
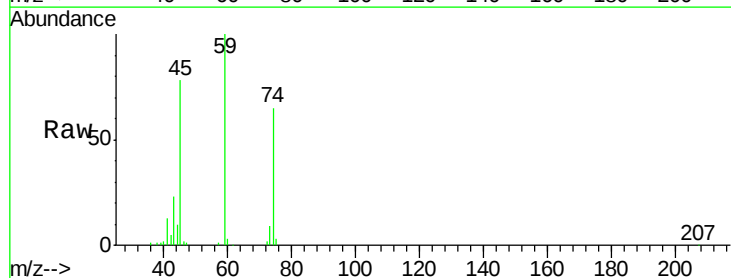
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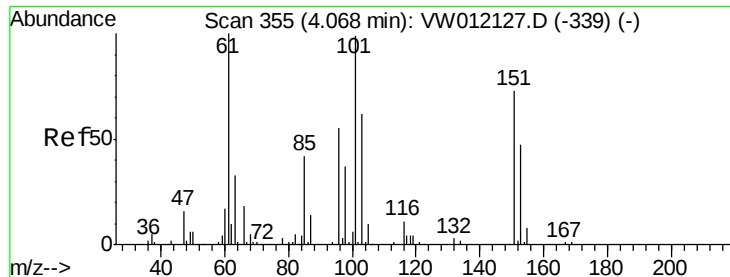


#8

Diethyl Ether
 Concen: 18.839 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.3	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.237 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

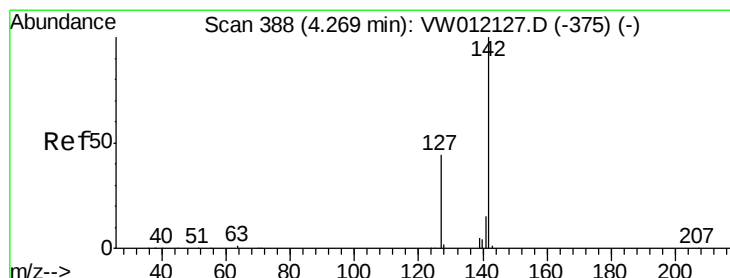
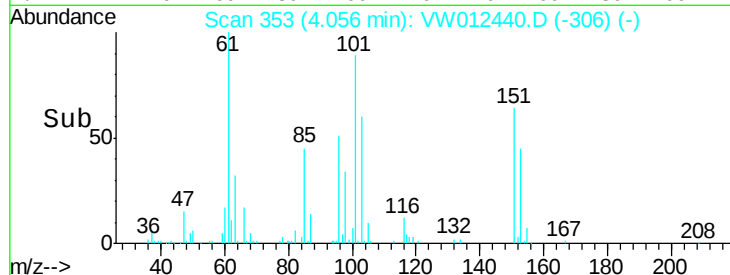
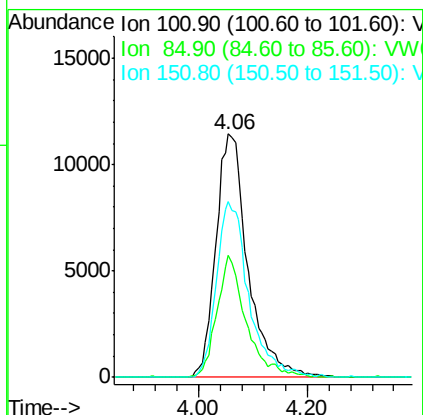
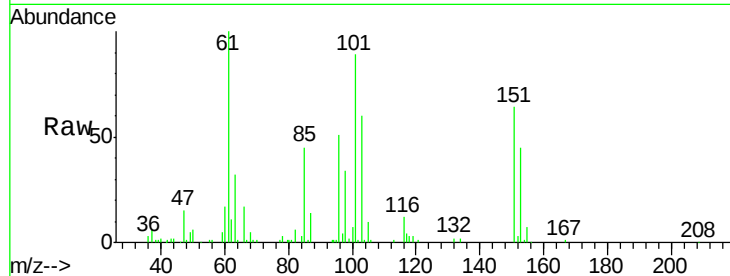
ClientSampleId :

VW0901SBS01

Tot Ion:	101	Resp:	46829
Ion Ratio	Lower	Upper	
101	100		
85	45.9	35.8	53.6
151	72.6	58.6	87.8

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#10

Methyl Iodide

Concen: 19.446 ug/l

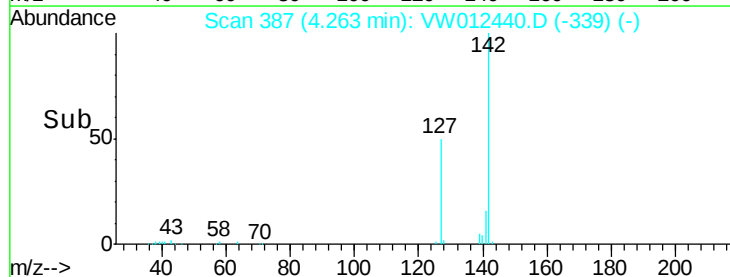
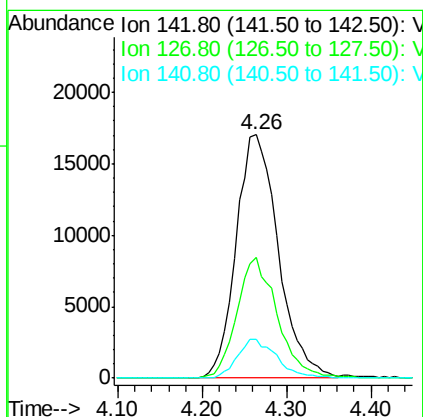
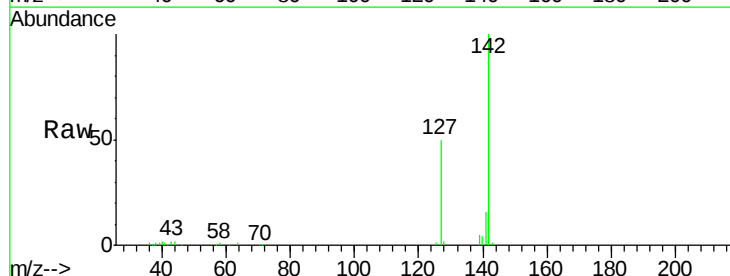
RT: 4.26 min Scan# 387

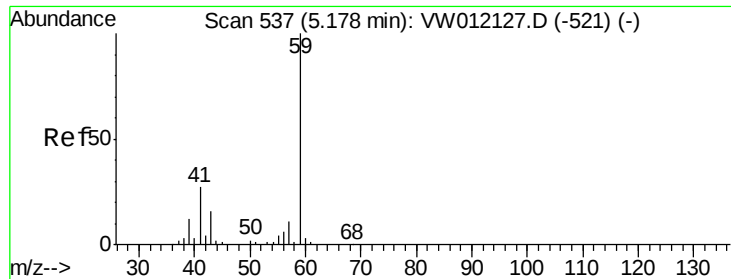
Delta R.T. -0.01 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Tgt Ion:	142	Resp:	58019
Ion Ratio	Lower	Upper	
142	100		
127	47.4	35.5	53.3
141	14.9	11.8	17.8





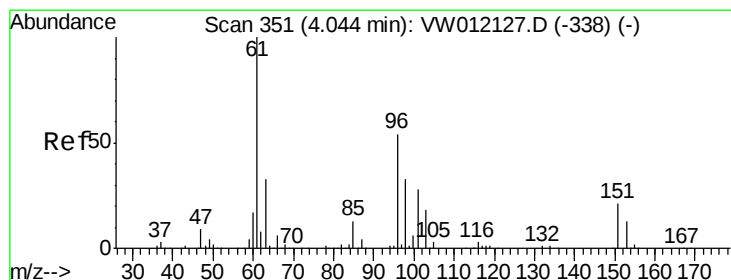
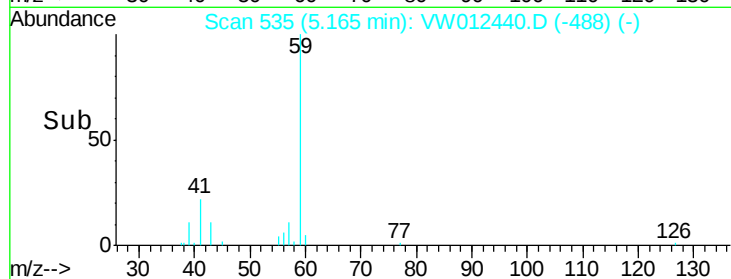
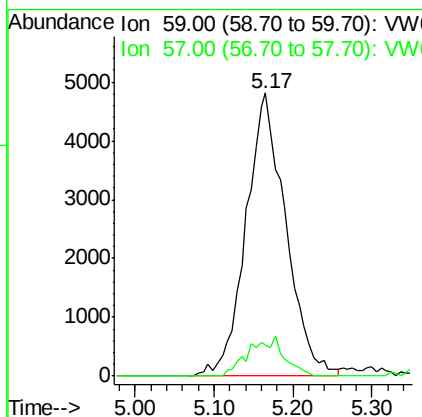
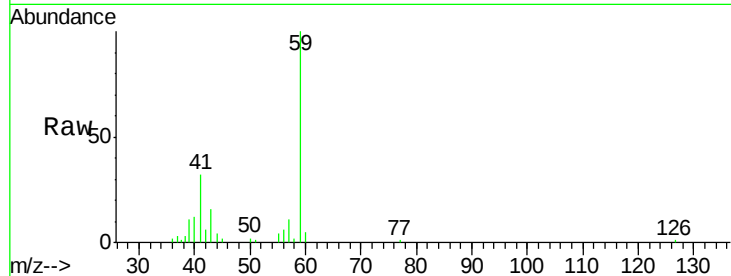
#11
Tert butyl alcohol
Concen: 106.784 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampled :
VW0901SBS01

Tot Ion: 59 Resp: 16903
Ion Ratio Lower Upper
59 100
57 12.3 9.0 13.4

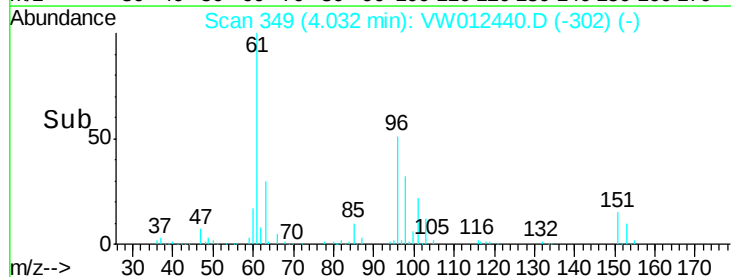
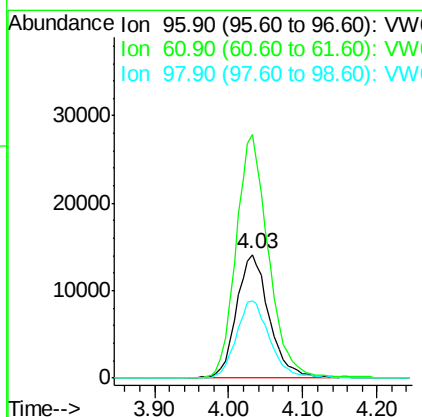
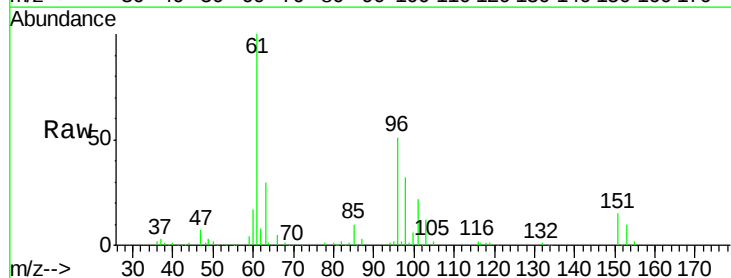
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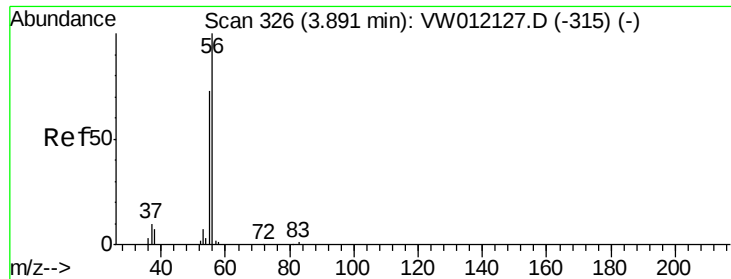
MMDadoda
9/3/2019 10:44:20 AM



#12
1,1-Dichloroethene
Concen: 19.615 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion: 96 Resp: 43533
Ion Ratio Lower Upper
96 100
61 197.4 149.1 223.7
98 62.9 49.4 74.2





#13

Acrolein

Concen: 81.099 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBS01

Tot Ion: 56 Resp: 12084

Ion Ratio Lower Upper

56 100

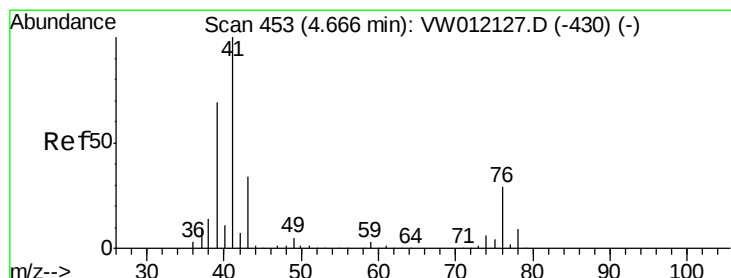
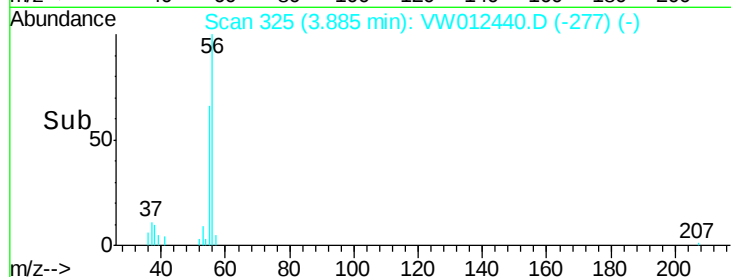
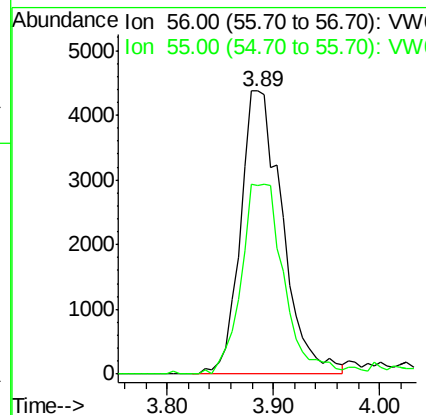
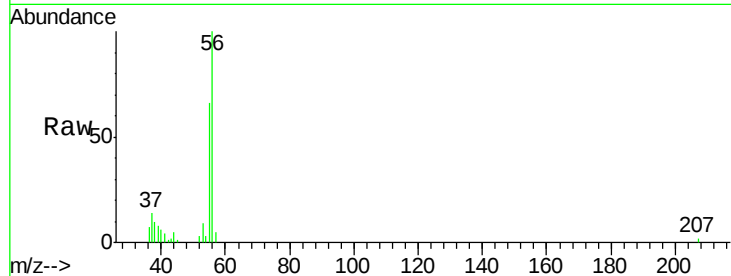
55 67.9 55.8 83.8

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#14

Allyl chloride

Concen: 19.588 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

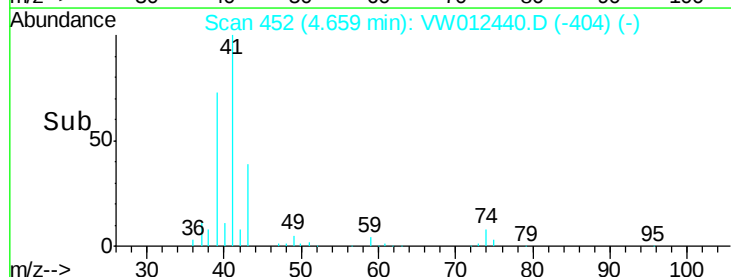
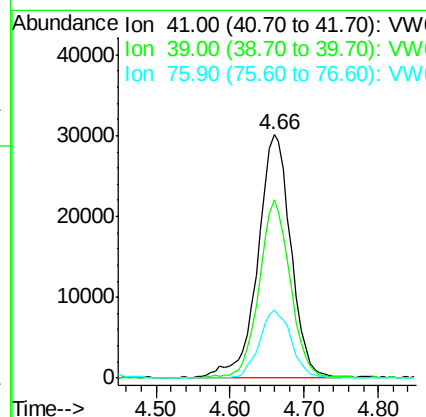
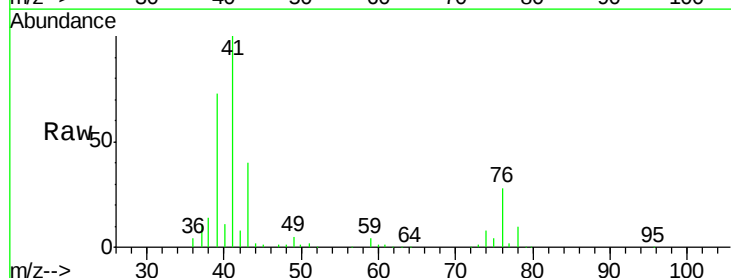
Tgt Ion: 41 Resp: 92941

Ion Ratio Lower Upper

41 100

39 70.1 53.4 80.2

76 27.2 22.1 33.1





#15

Acrylonitrile

Concen: 101.664 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

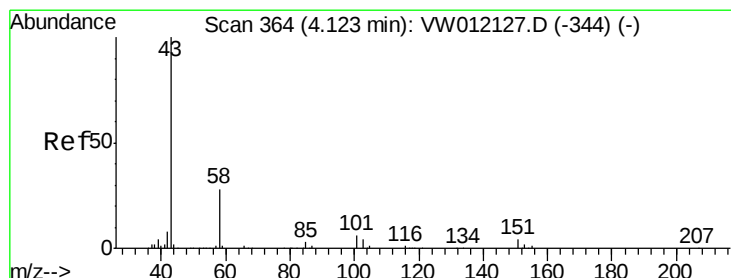
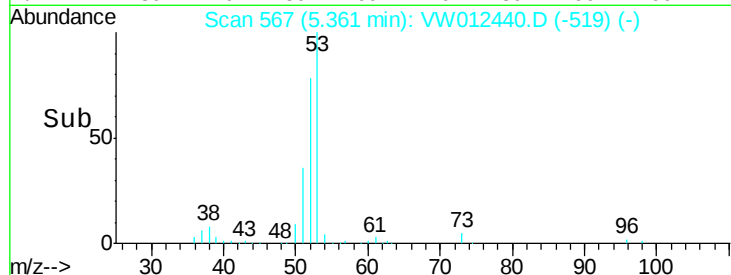
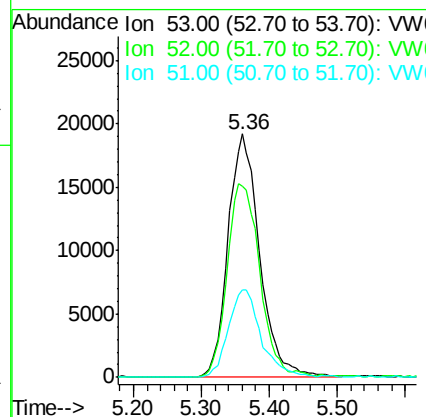
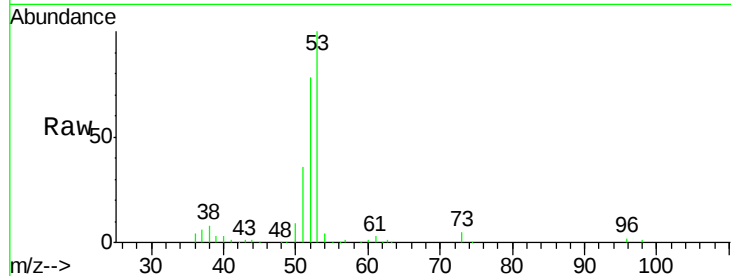
ClientSampleId :

VW0901SBS01

Tot Ion:	53	Resp:	62049
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.7	100.1
51	37.2	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 103.352 ug/l

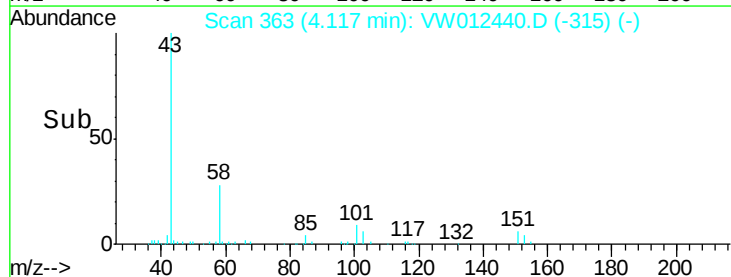
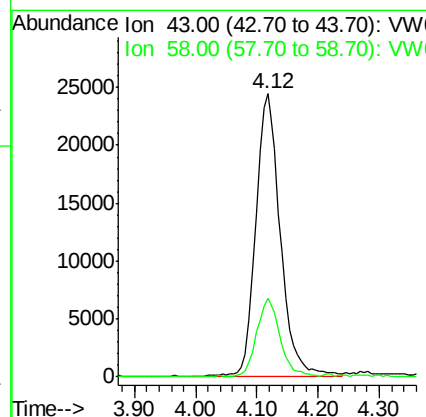
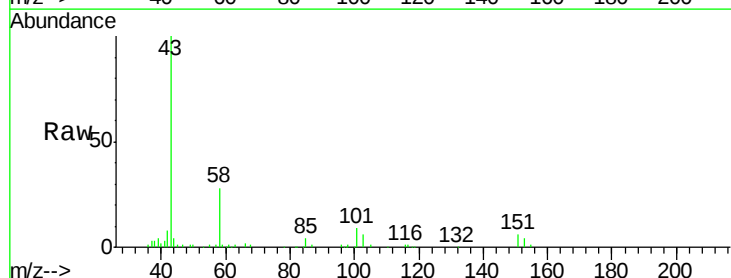
RT: 4.12 min Scan# 363

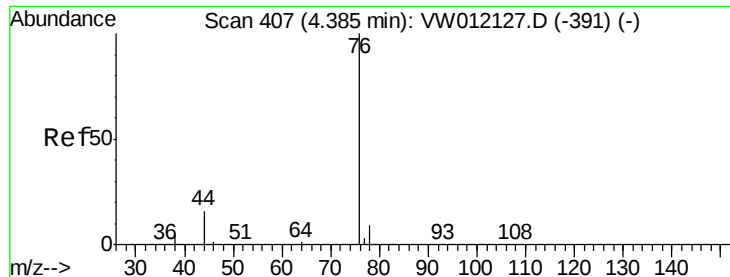
Delta R.T. -0.01 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Tgt Ion:	43	Resp:	69491
Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.4	33.6





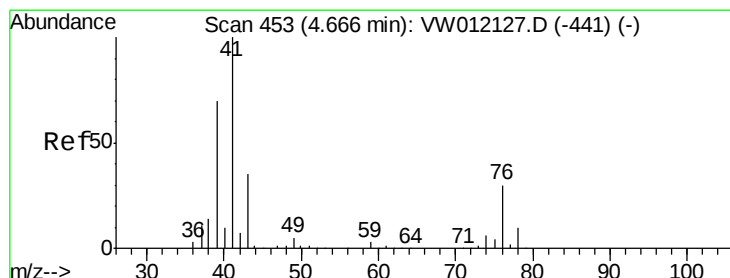
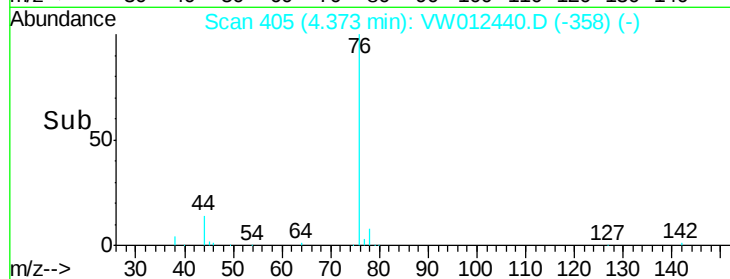
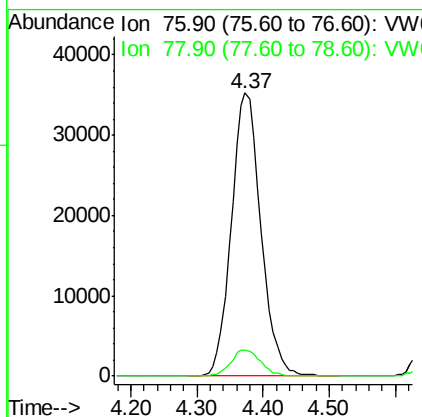
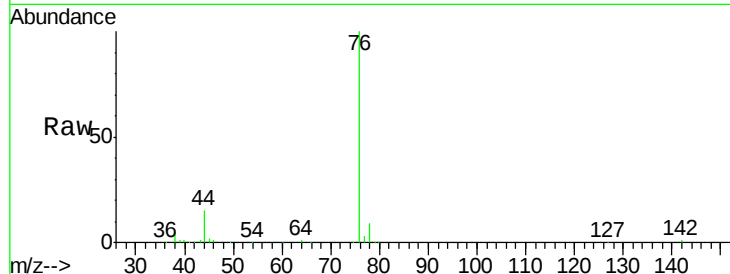
#17
Carbon Disulfide
Concen: 16.242 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

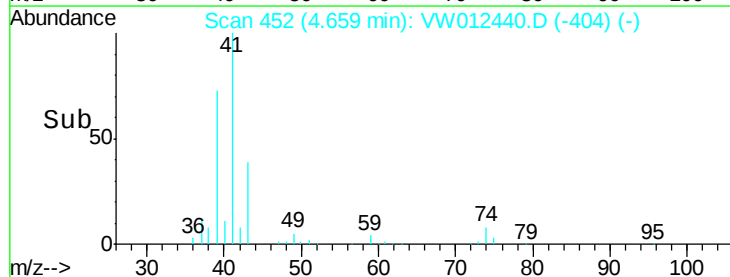
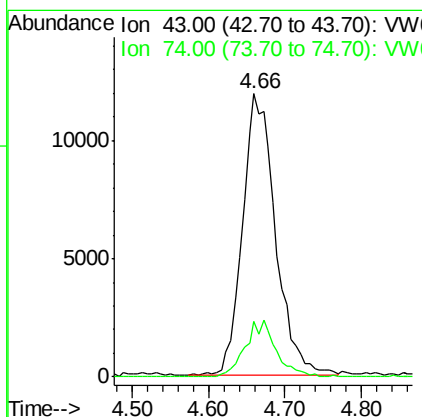
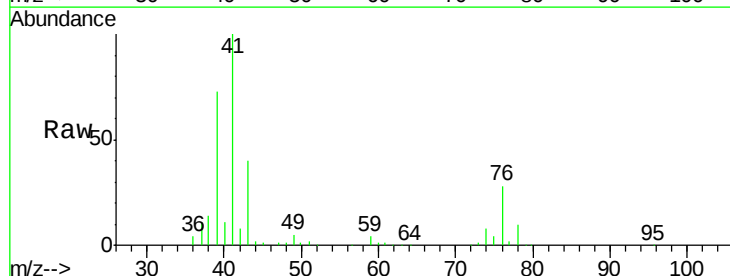
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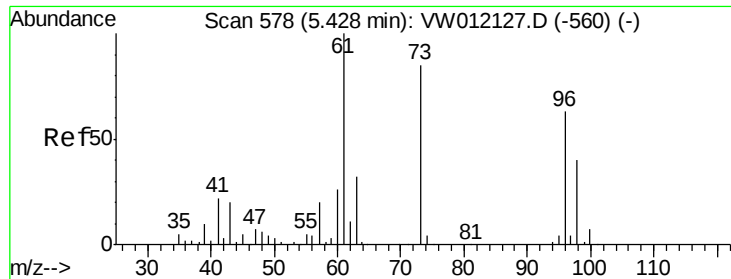
MMDadoda
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#18
Methyl Acetate
Concen: 21.491 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	15.7	23.5





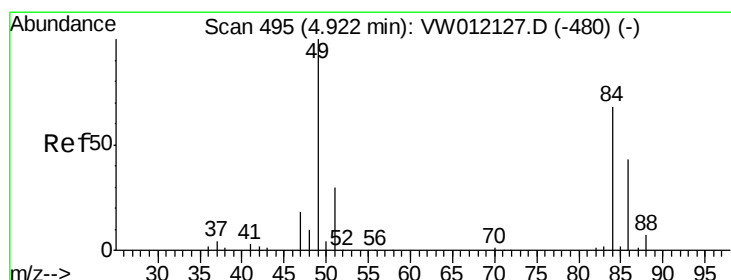
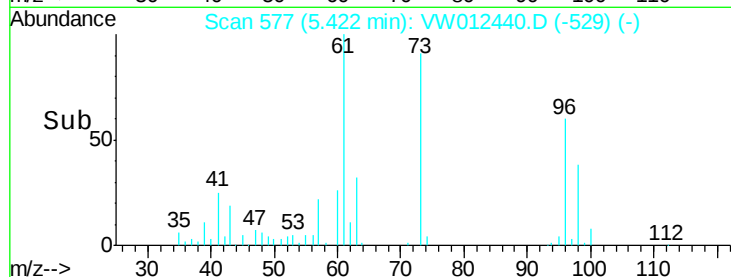
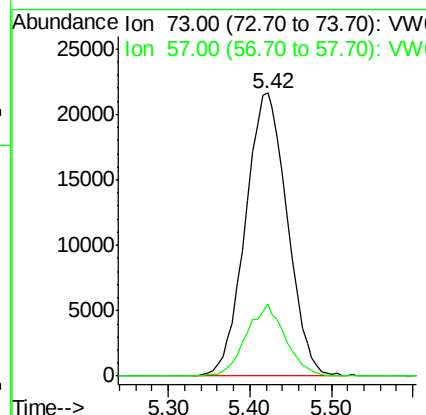
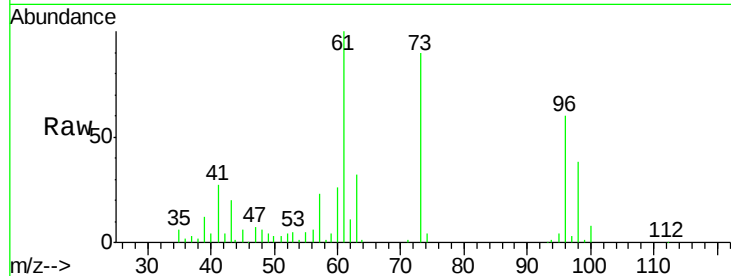
#19
Methyl tert-butyl Ether
Concen: 21.473 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion: 73 Resp: 77070
Ion Ratio Lower Upper
73 100
57 25.5 18.9 28.3

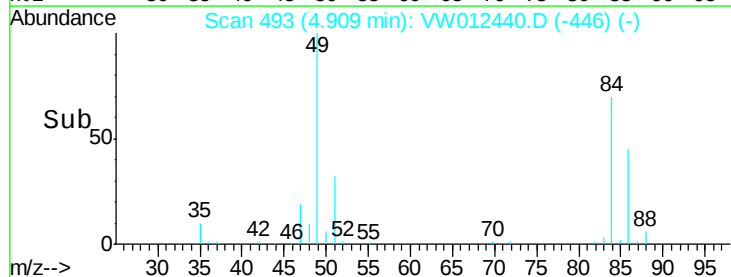
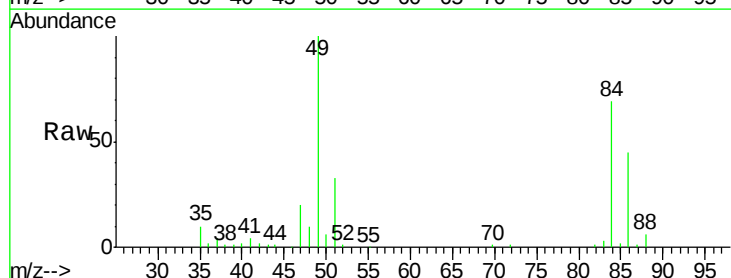
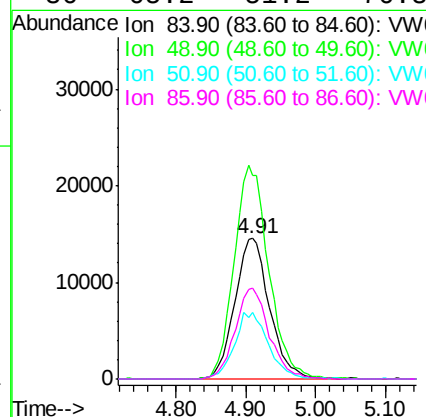
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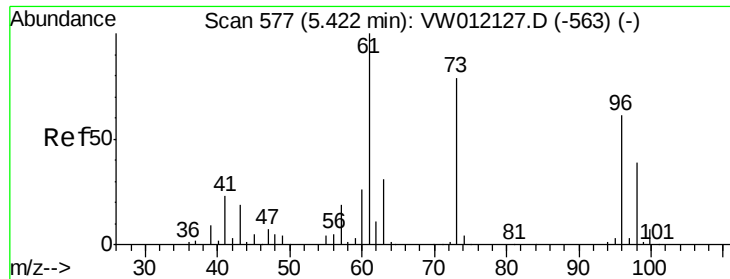
MMDadoda
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#20
Methylene Chloride
Concen: 19.708 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion: 84 Resp: 50094
Ion Ratio Lower Upper
84 100
49 145.5 117.8 176.8
51 47.6 35.6 53.4
86 65.2 51.2 76.8





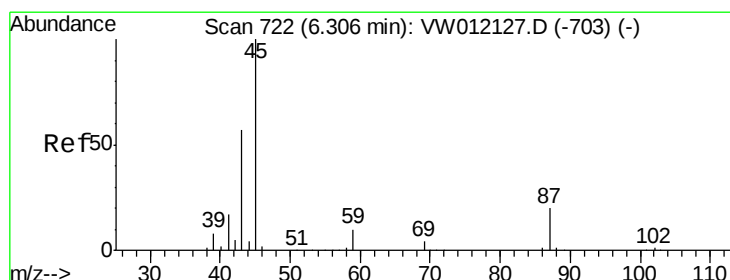
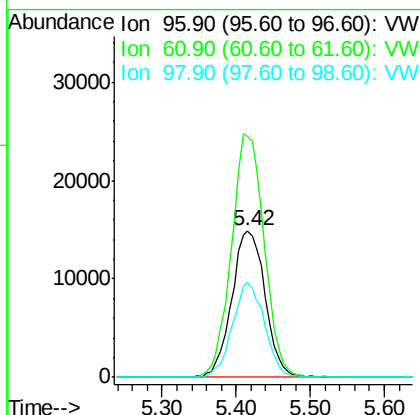
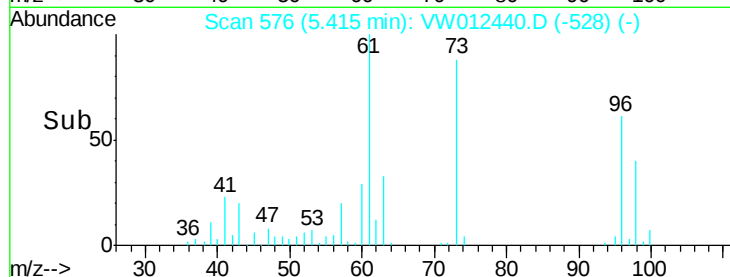
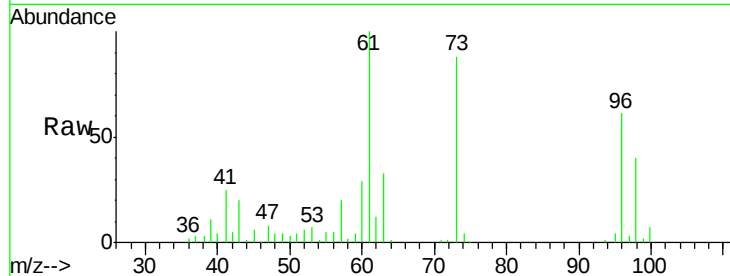
#21
trans-1,2-Dichloroethene
Concen: 19.668 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		46810		
61	164.6		131.4	197.0	
98	65.3		51.4	77.0	

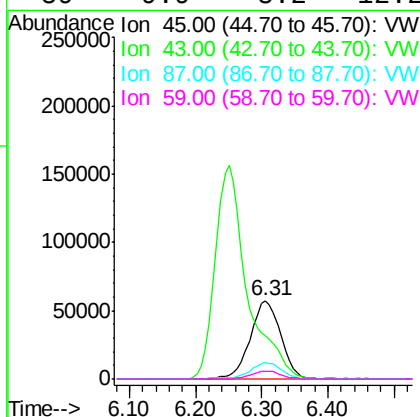
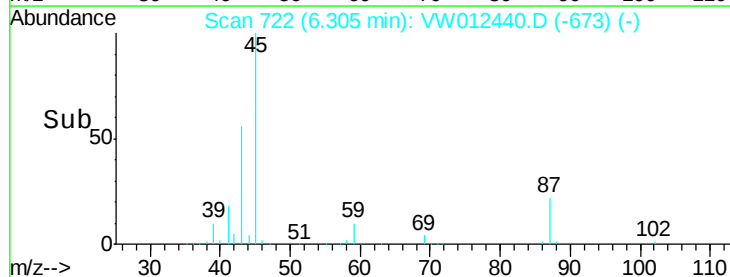
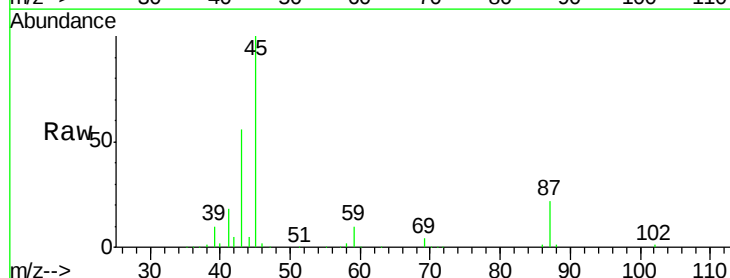
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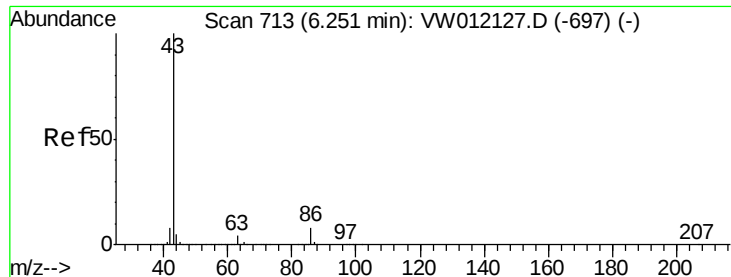
MMDadoda
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#22
Diisopropyl ether
Concen: 20.967 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		184405		
43	55.1		45.5	68.3	
87	21.5		16.1	24.1	
59	9.9		8.2	12.2	





#23

Vinyl Acetate

Concen: 97.108 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBS01

Tot Ion: 43 Resp: 525600

Ion Ratio Lower Upper

43 100

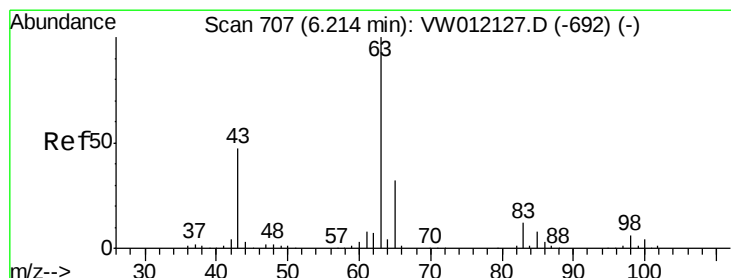
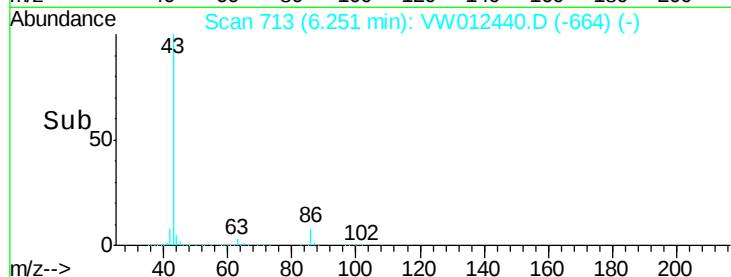
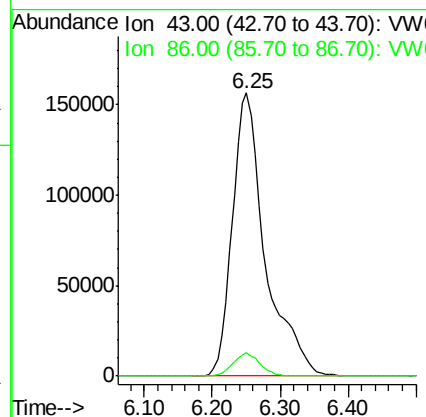
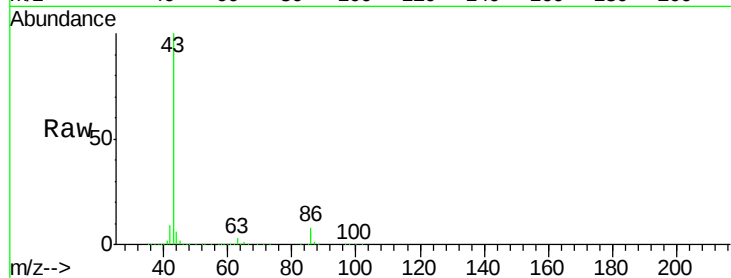
86 8.2 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.763 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

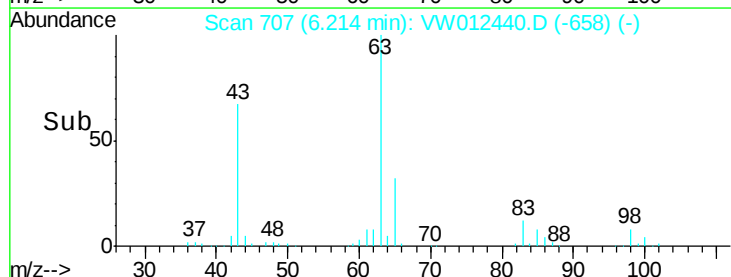
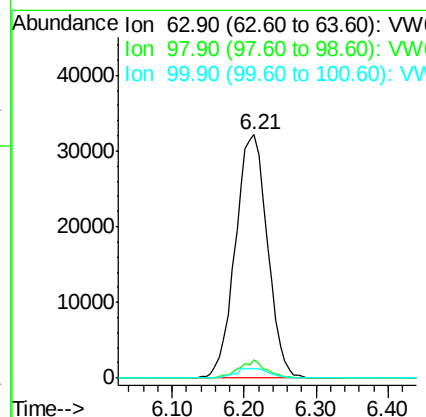
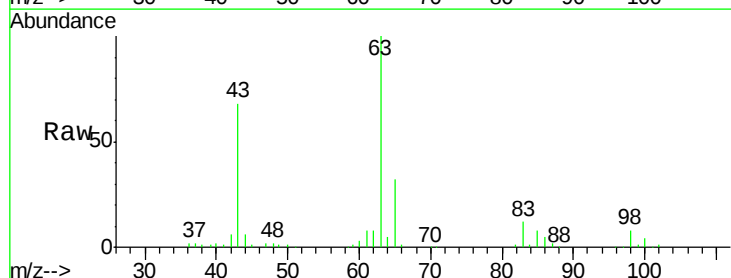
Tgt Ion: 63 Resp: 99428

Ion Ratio Lower Upper

63 100

98 7.5 3.0 9.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 98.084 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

ClientSampled :

VW0901SBS01

Tot Ion: 43 Resp: 89617

Ion Ratio Lower Upper

43 100

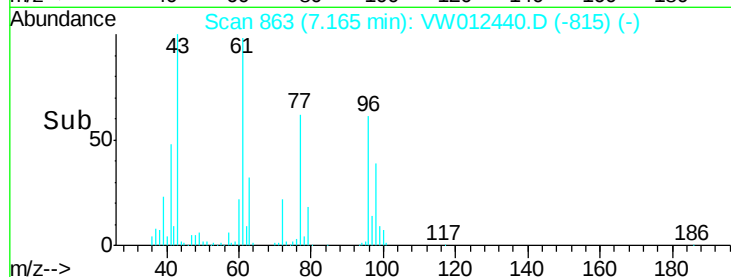
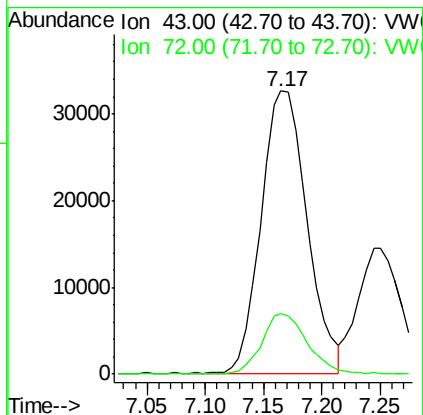
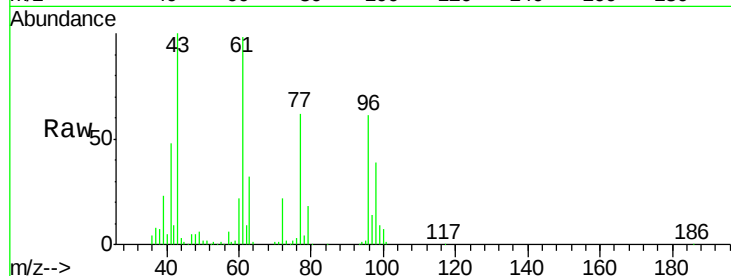
72 21.6 16.6 24.8

Manual Integrations

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MMDadoda

9/3/2019 10:44:20 AM



#26

2,2-Dichloropropane

Concen: 22.469 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012440.D

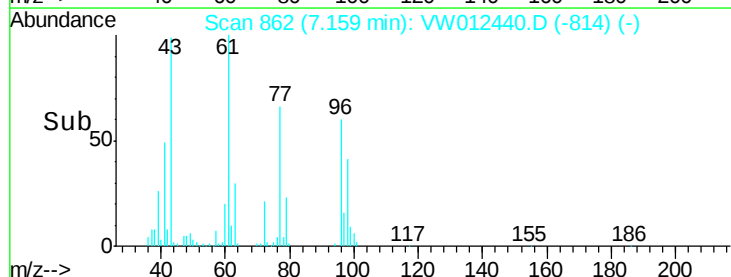
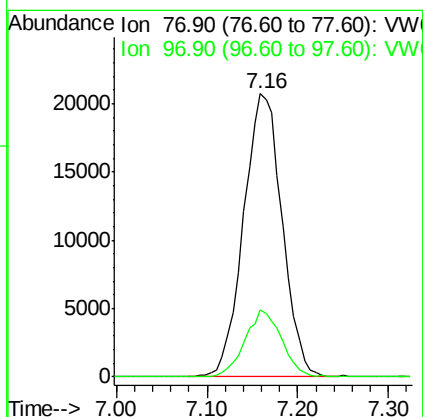
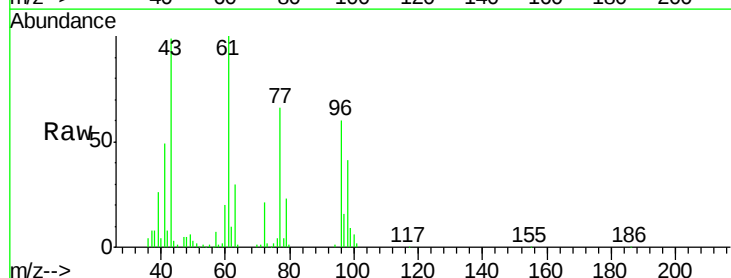
Acq: 01 Sep 2019 11:47

Tgt Ion: 77 Resp: 60902

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.1





#27

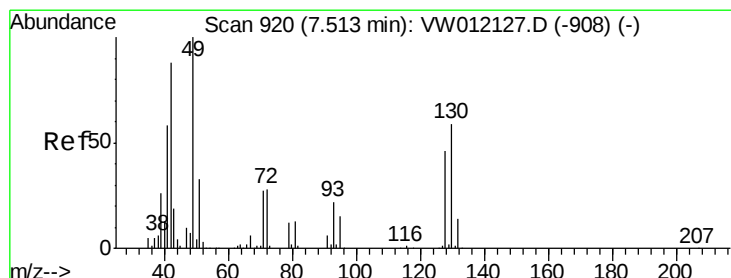
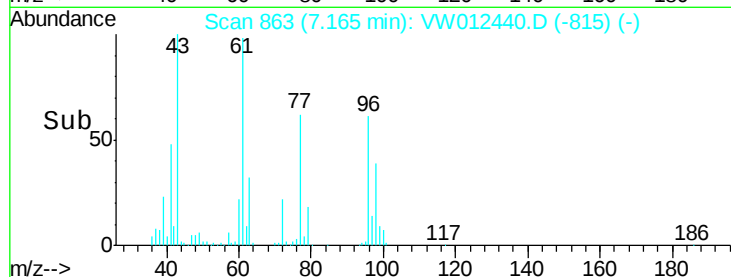
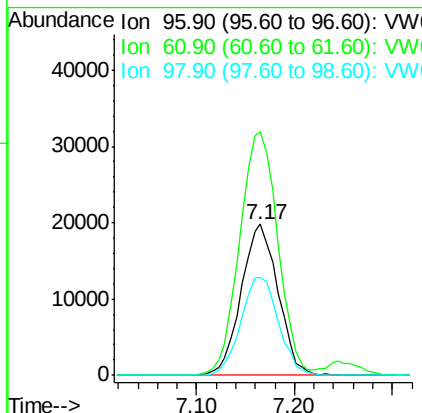
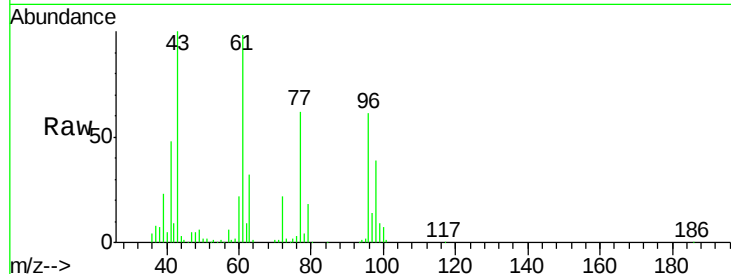
cis-1,2-Dichloroethene
Concen: 20.288 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.6	0.0	326.6
98	66.7	0.0	127.4

Manual Integrations
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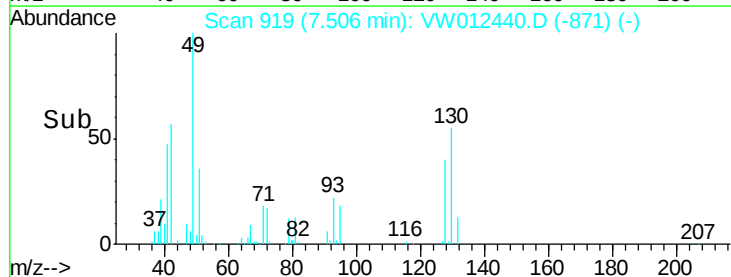
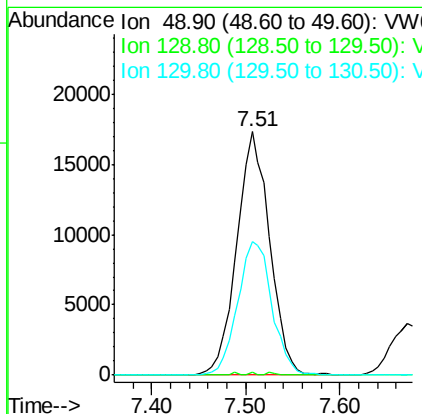
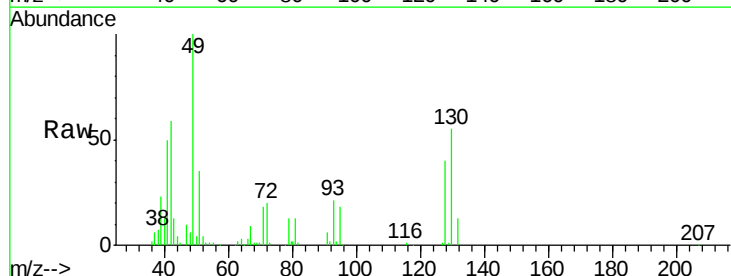
MMDadoda
9/3/2019 10:44:20 AM

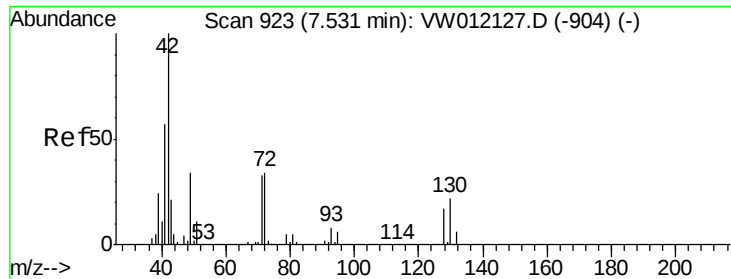


#28

Bromochloromethane
Concen: 20.202 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	1.4
130	57.3	45.5	68.3





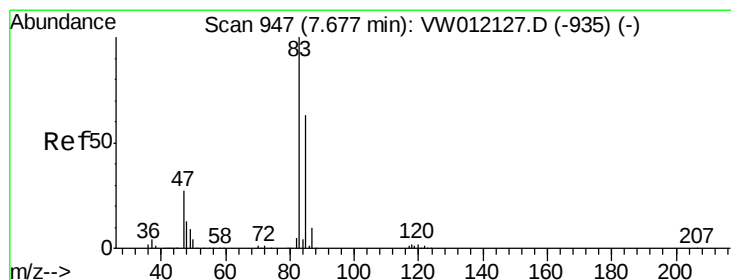
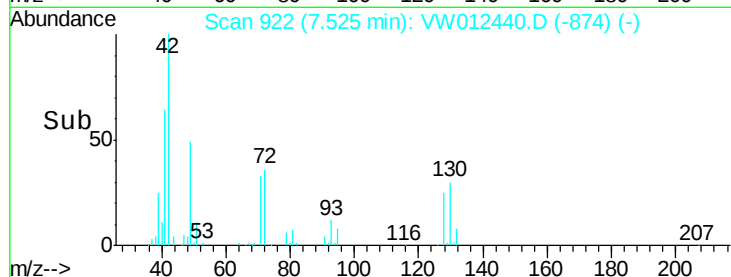
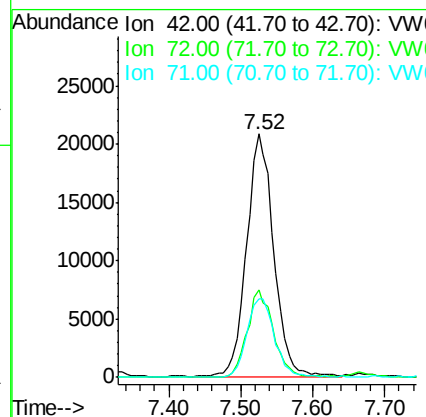
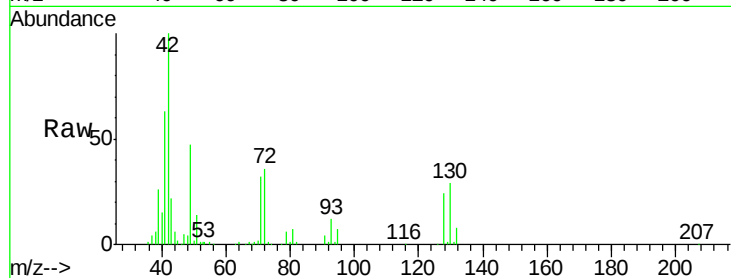
#29
Tetrahydrofuran
Concen: 99.206 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion:	42	Resp:	54381
Ion	Ratio	Lower	Upper
42	100		
72	34.8	27.3	40.9
71	33.2	25.5	38.3

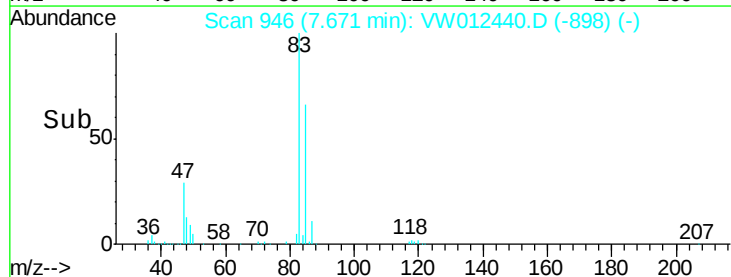
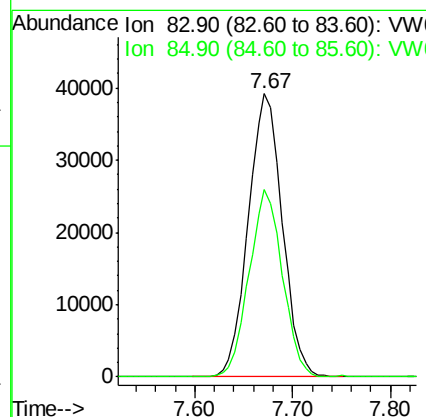
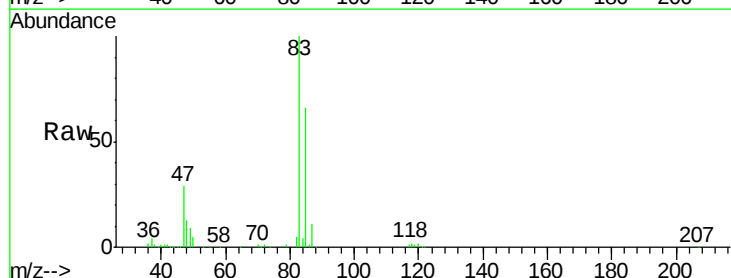
Manual Integrations
APPROVED

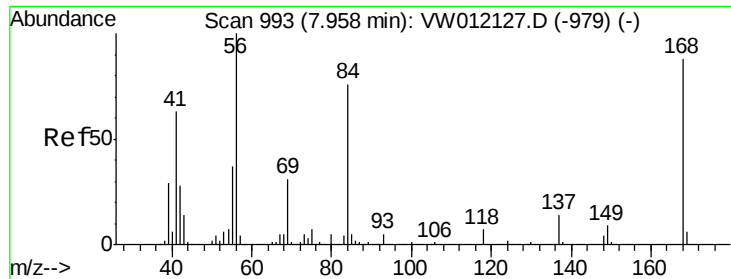
MMDadoda
9/3/2019 10:44:20 AM



#30
Chloroform
Concen: 21.665 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion:	83	Resp:	94919
Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.6	76.0





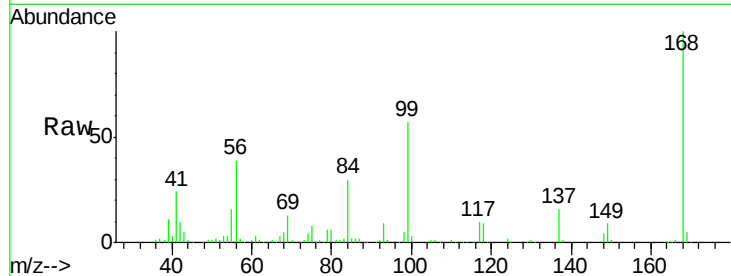
#31
Cyclohexane
Concen: 18.928 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	24.9	37.3
84	75.5	60.6	90.8

Manual Integrations
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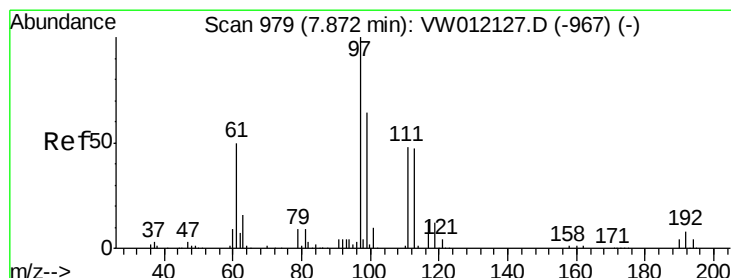
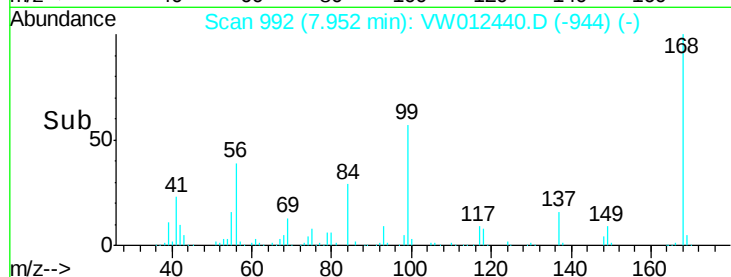
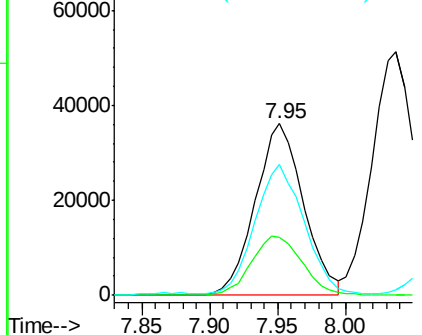


Abundance

Ion 56.00 (55.70 to 56.70): VW

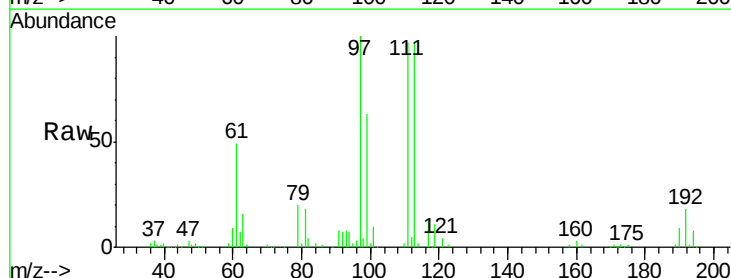
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32
1,1,1-Trichloroethane
Concen: 22.412 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.0
61	49.6	39.5	59.3

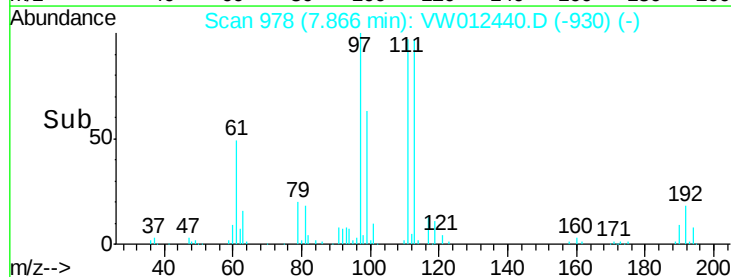
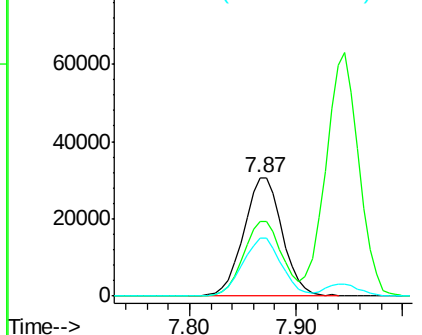


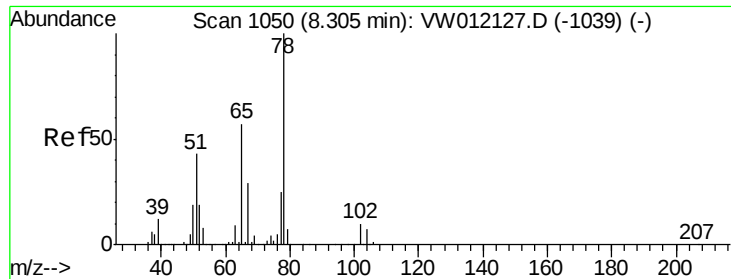
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 50.452 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBS01

Tot Ion: 65 Resp: 132705

Ion Ratio Lower Upper

65 100

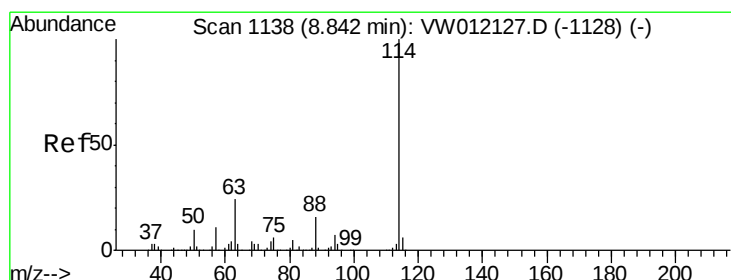
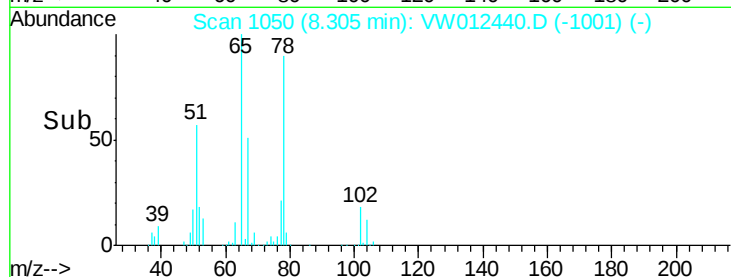
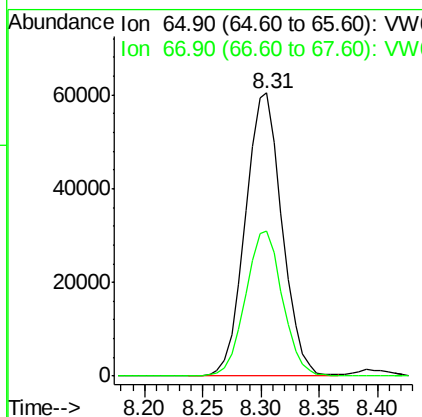
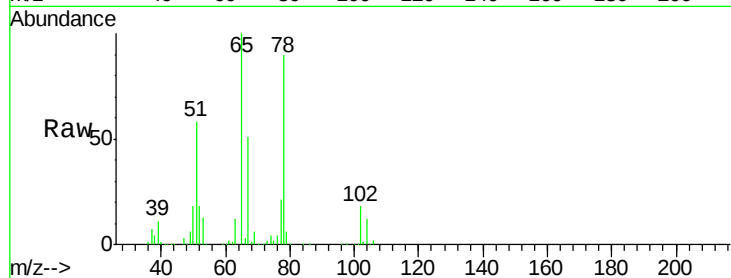
67 51.4 0.0 102.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

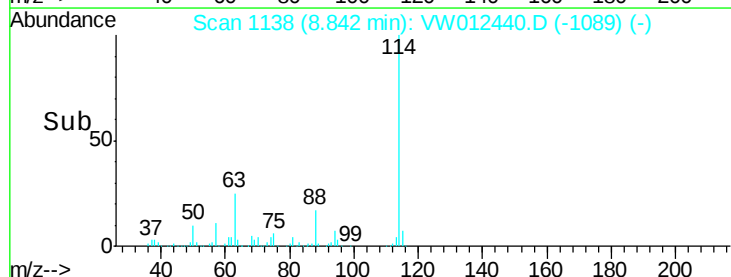
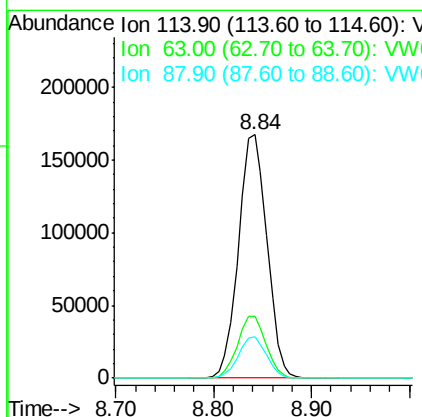
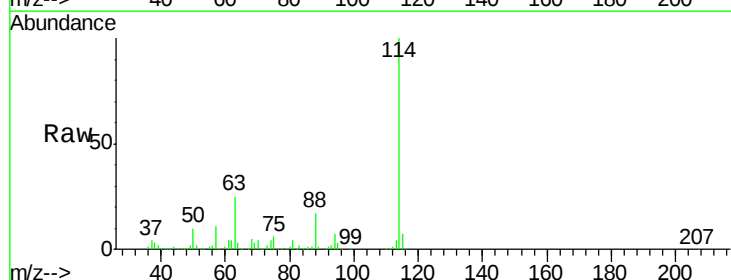
Tgt Ion: 114 Resp: 338775

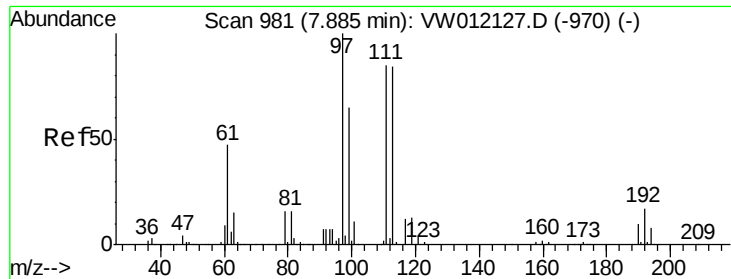
Ion Ratio Lower Upper

114 100

63 25.5 0.0 48.6

88 17.1 0.0 32.2





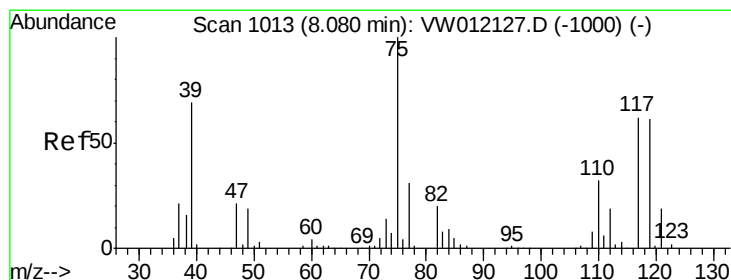
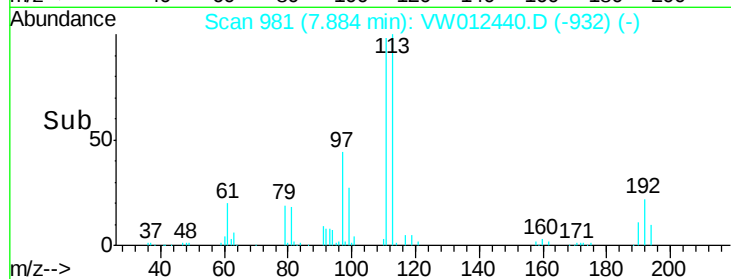
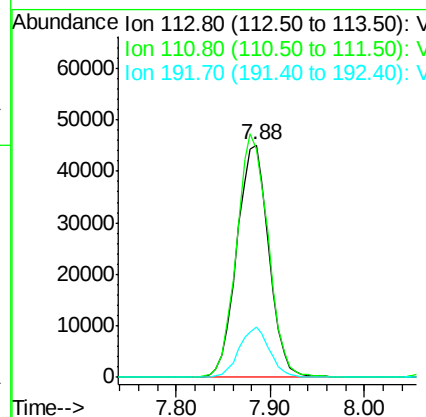
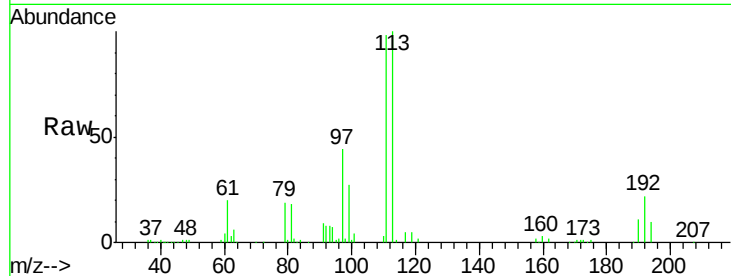
#35
 Dibromofluoromethane
 Concen: 52.614 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	106394		
111	104.1	82.7	124.1	
192	20.5	16.2	24.2	

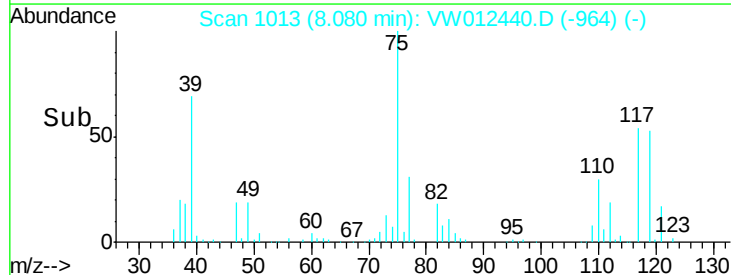
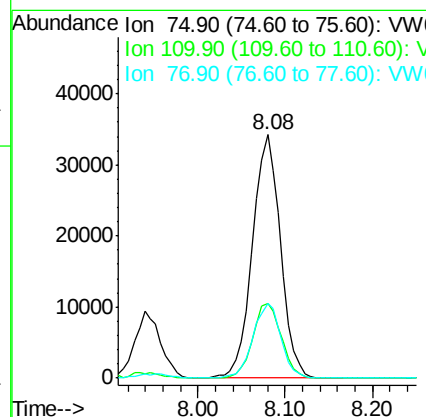
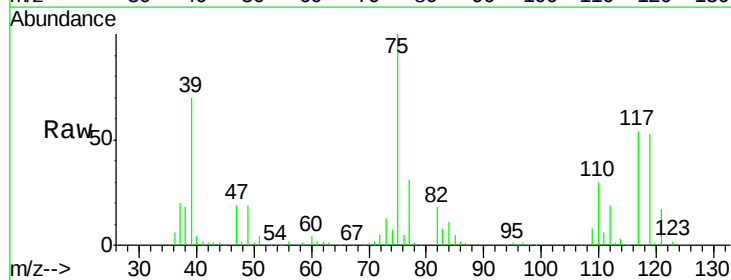
Manual Integrations
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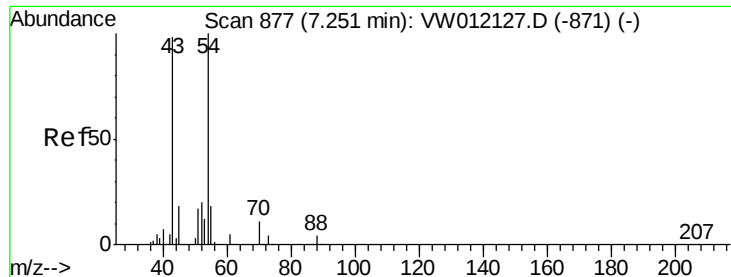
MMDadoda
 9/3/2019 10:44:20 AM



#36
 1,1-Dichloropropene
 Concen: 21.761 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76181		
110	31.1	15.6	46.8	
77	30.7	24.6	36.8	





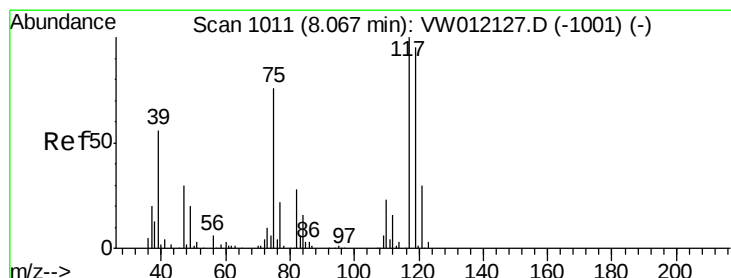
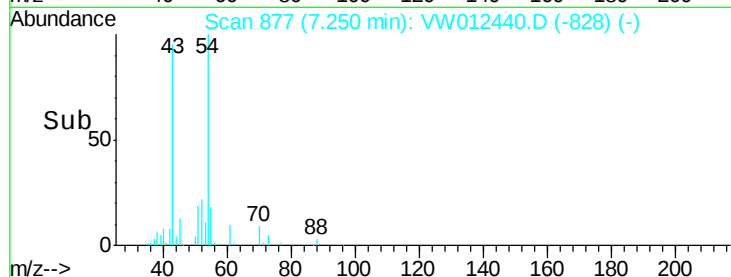
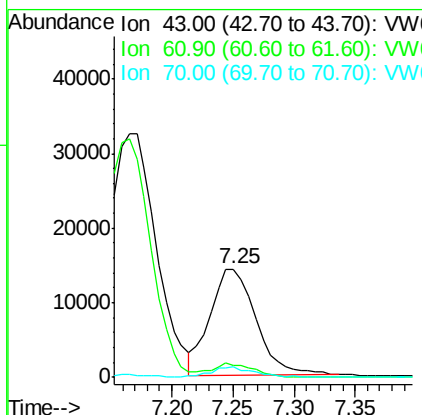
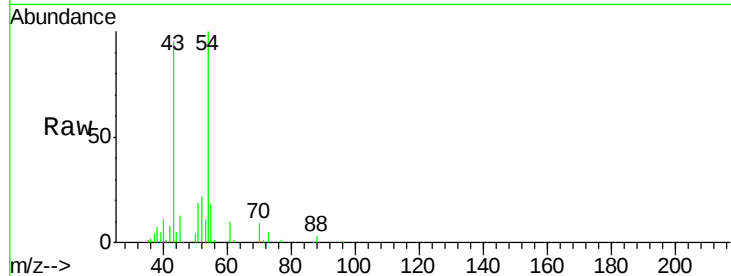
#37
Ethyl Acetate
Concen: 19.540 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.2	13.8
70	9.3	6.9	10.3

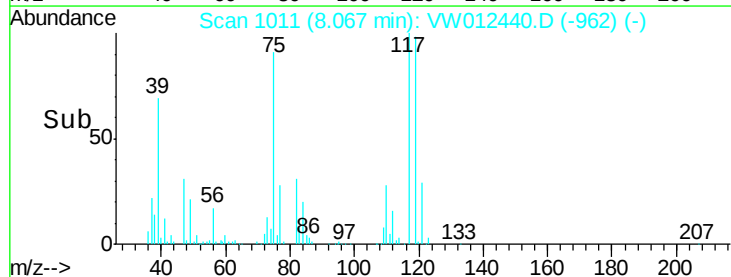
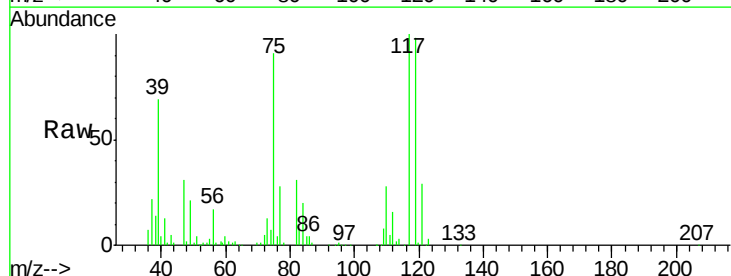
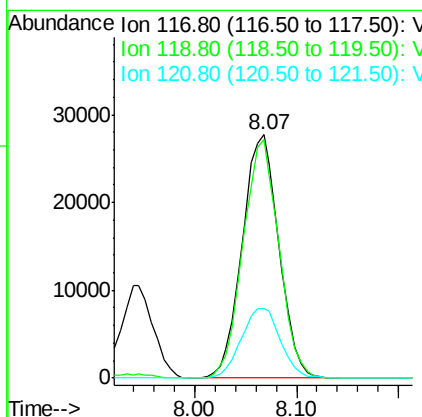
Manual Integrations
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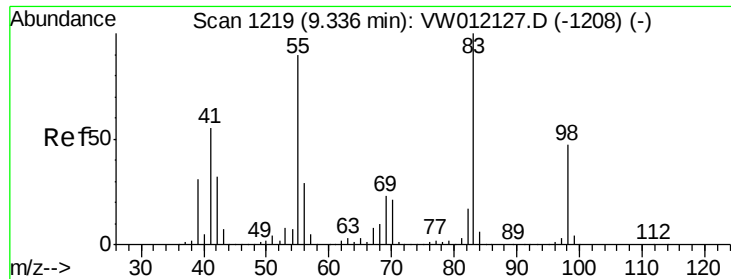
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.880 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.2	114.2
121	28.7	23.8	35.8





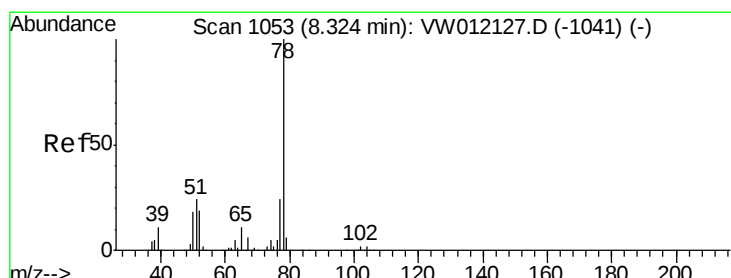
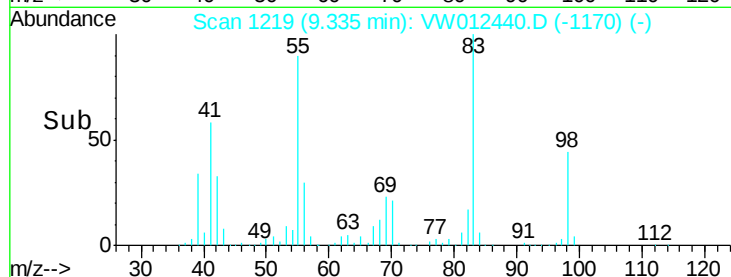
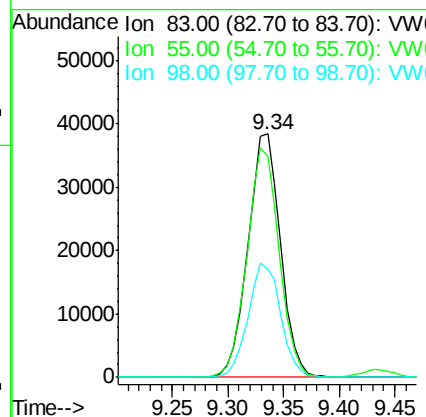
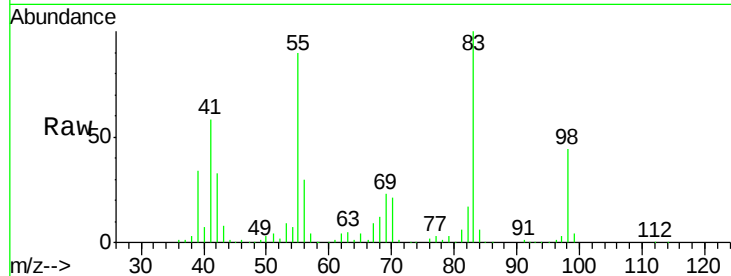
#39
Methvlcvclohexane
Concen: 19.883 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.4	71.8	107.8
98	44.1	37.8	56.8

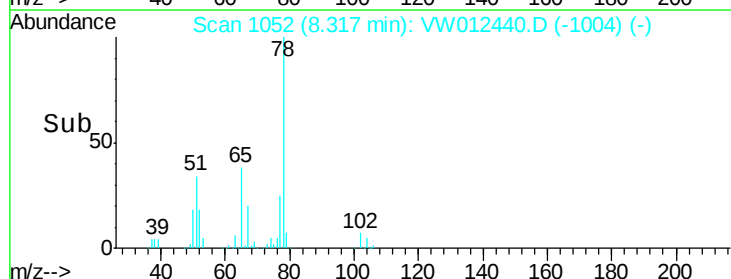
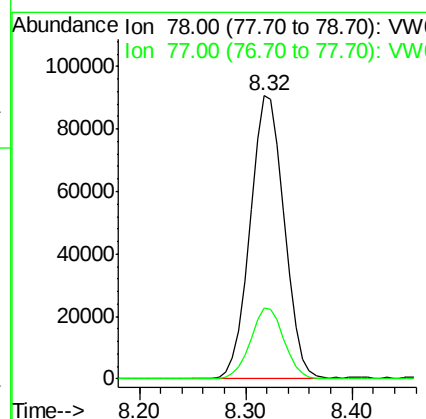
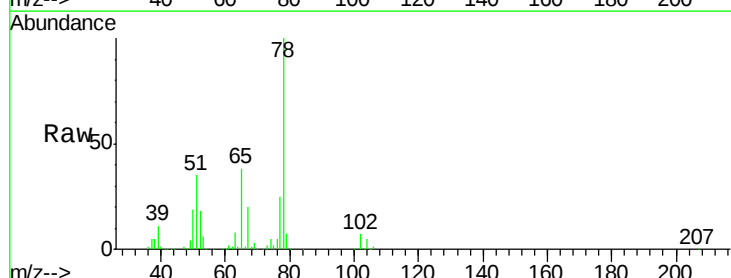
Manual Integrations
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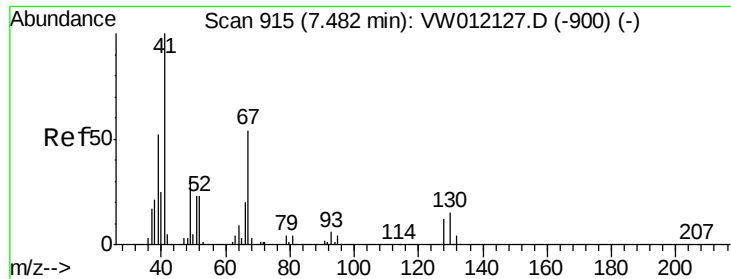
MMDadoda
9/3/2019 10:44:20 AM



#40
Benzene
Concen: 21.354 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.5	29.3





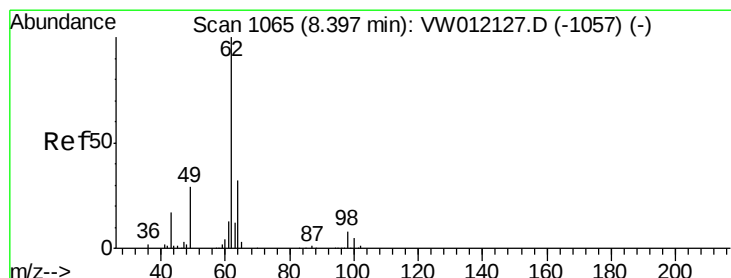
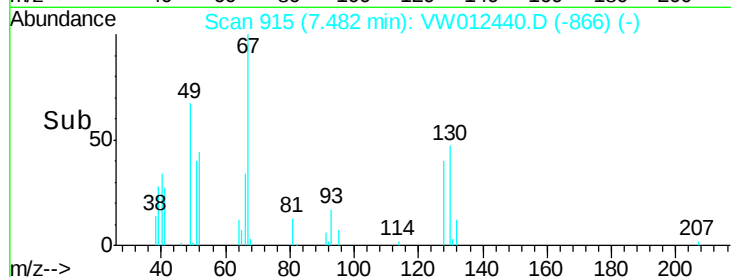
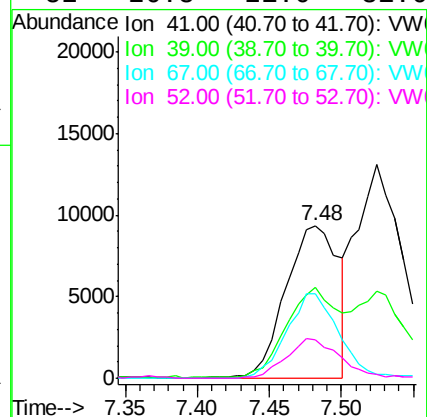
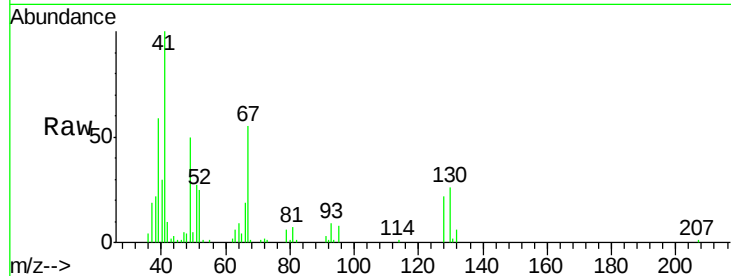
#41
Methacrylonitrile
Concen: 21.188 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		23890		
39	56.2	45.8	68.8		
67	55.2	46.2	69.4		
52	26.8	21.0	31.6		

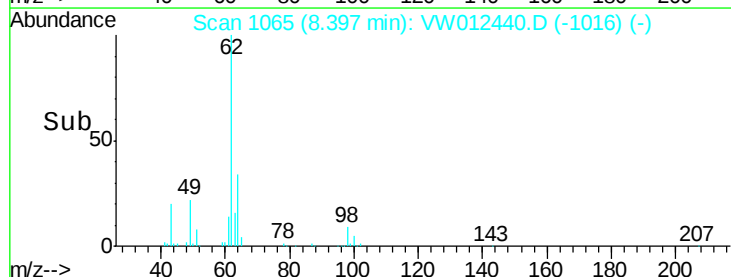
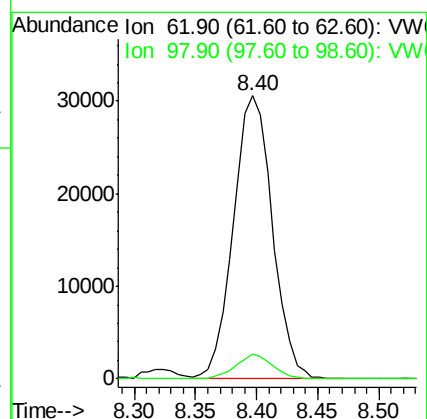
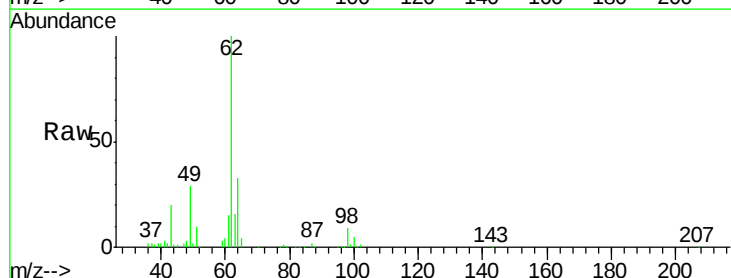
Manual Integrations
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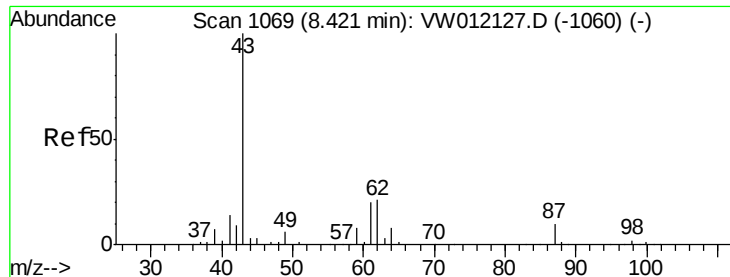
MMDadoda
9/3/2019 10:44:20 AM



#42
1,2-Dichloroethane
Concen: 22.442 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		67236		
98	8.2	0.0	16.6		





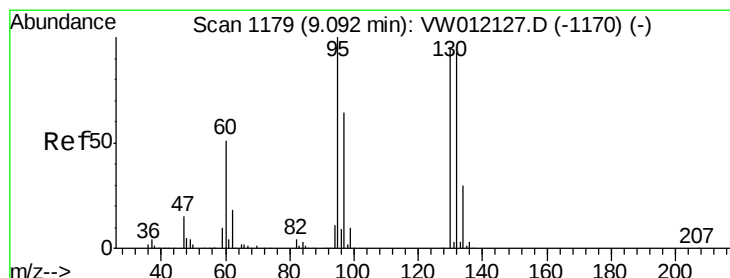
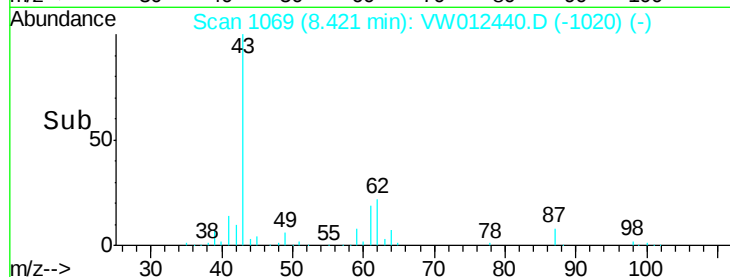
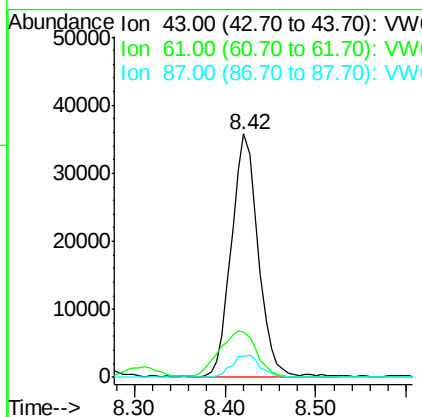
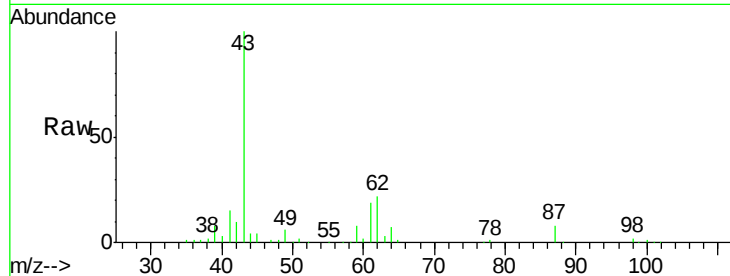
#43
Isopropyl Acetate
Concen: 20.703 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	21.1	31.7
87	9.8	8.2	12.2

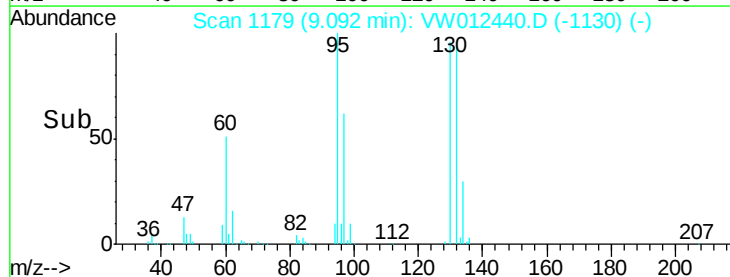
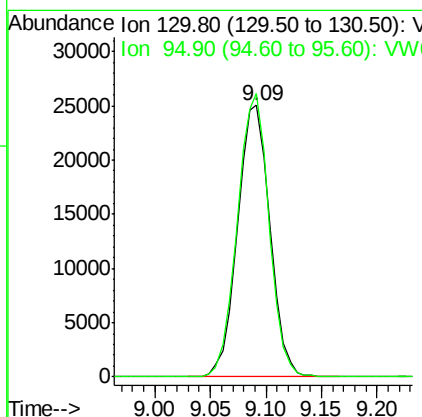
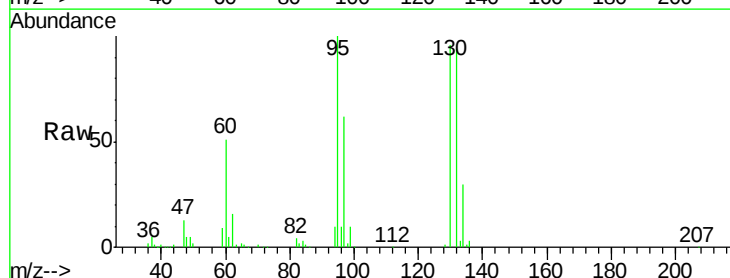
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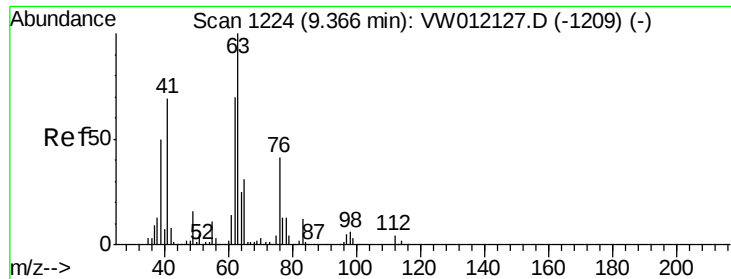
MMDadoda
9/3/2019 10:44:20 AM



#44
Trichloroethene
Concen: 21.709 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	210.6





#45

1,2-Dichloropropane

Concen: 21.200 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

ClientSampled :

VW0901SBS01

Tot Ion: 63 Resp: 54540

Ion Ratio Lower Upper

63 100

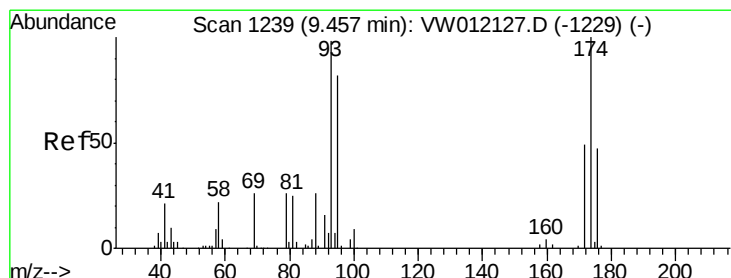
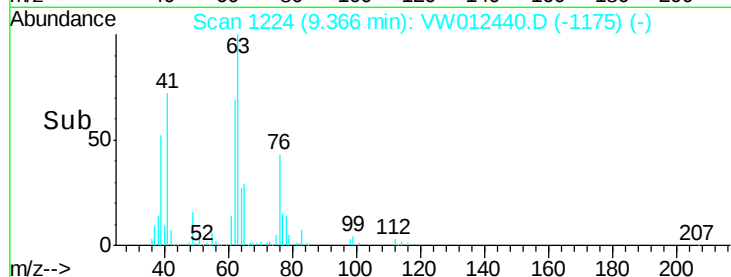
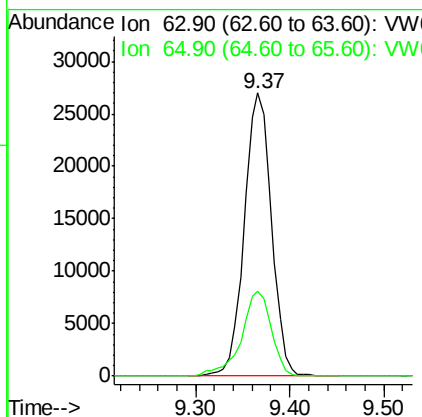
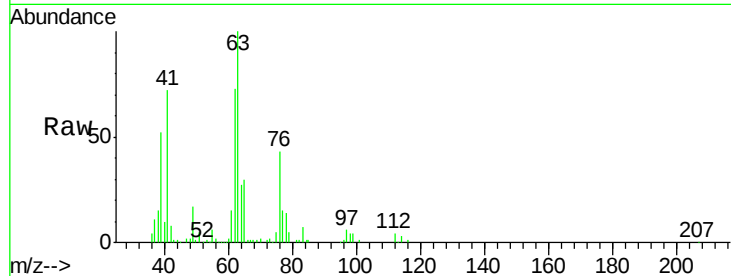
65 30.0 25.0 37.4

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#46

Dibromomethane

Concen: 21.345 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

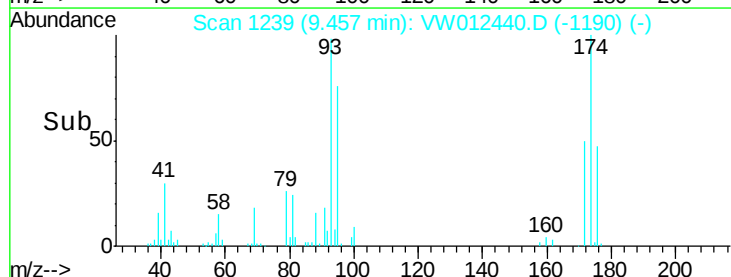
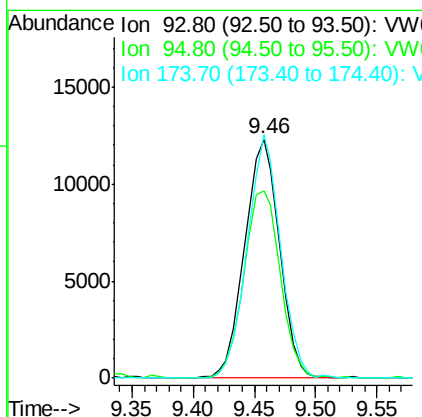
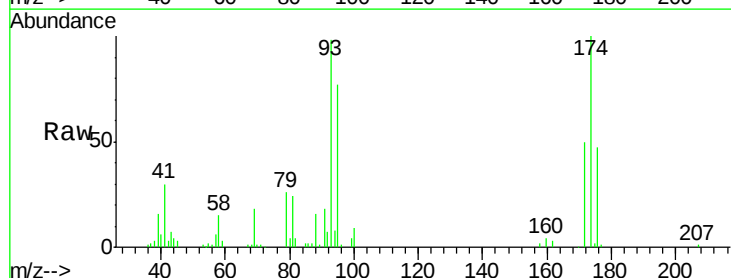
Tgt Ion: 93 Resp: 24433

Ion Ratio Lower Upper

93 100

95 82.4 67.2 100.8

174 97.3 79.0 118.6





#47

Bromodichloromethane

Concen: 21.943 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

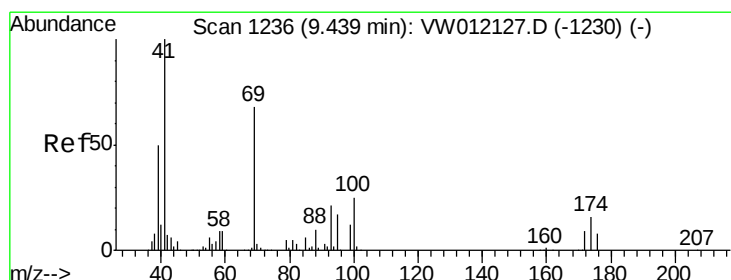
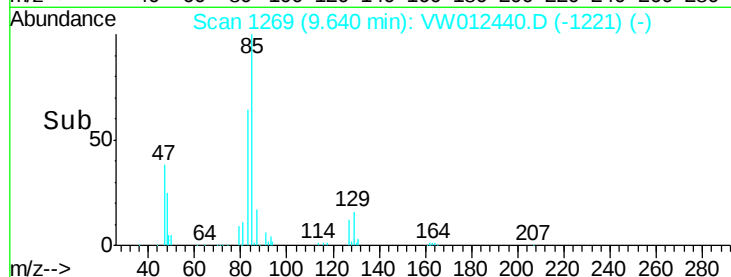
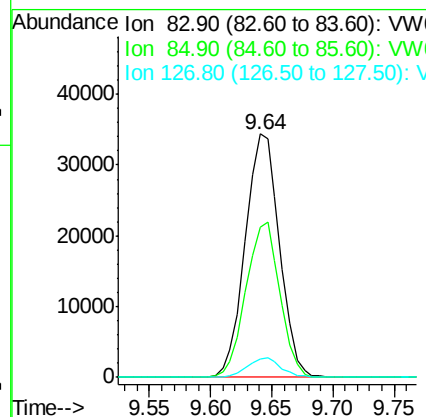
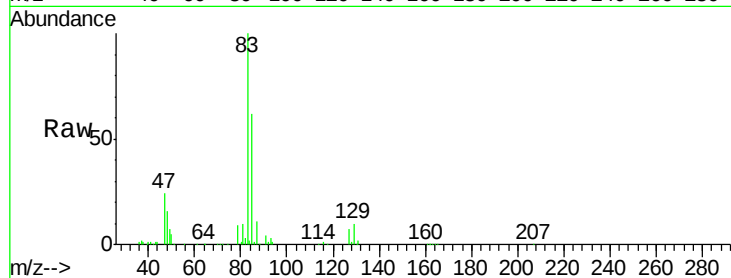
ClientSampleId :

VW0901SBS01

Tot Ion:	83	Resp:	66848
Ion	Ratio	Lower	Upper
83	100		
85	61.8	49.4	74.2
127	7.3	6.1	9.1

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#48

Methyl methacrylate

Concen: 20.253 ug/l

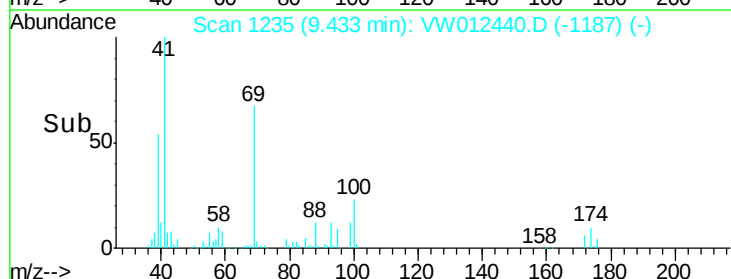
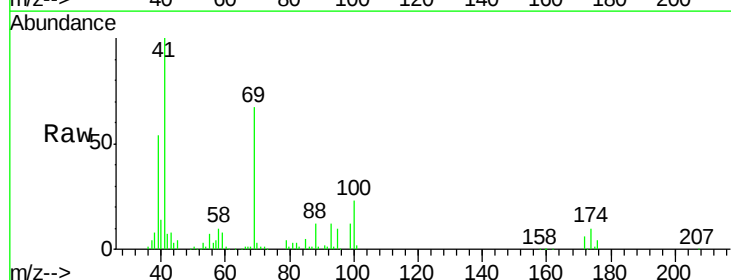
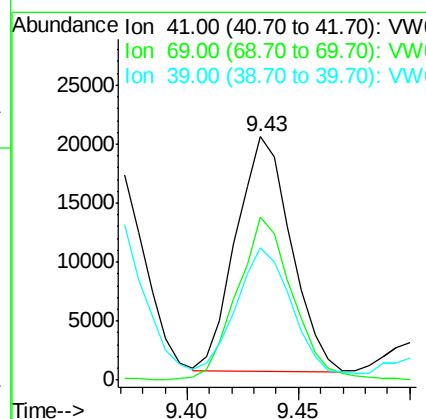
RT: 9.43 min Scan# 1235

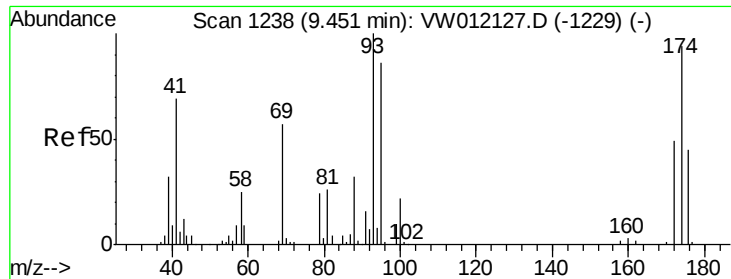
Delta R.T. -0.01 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Tgt Ion:	41	Resp:	34253
Ion	Ratio	Lower	Upper
41	100		
69	70.5	56.7	85.1
39	52.9	42.0	63.0





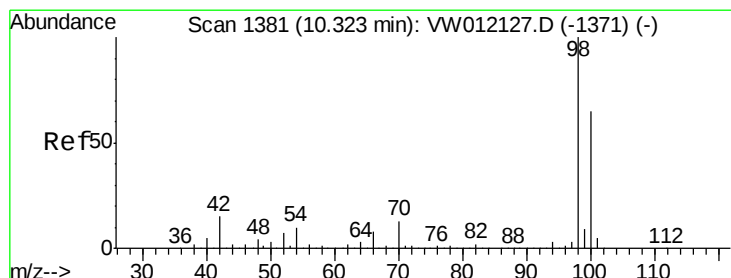
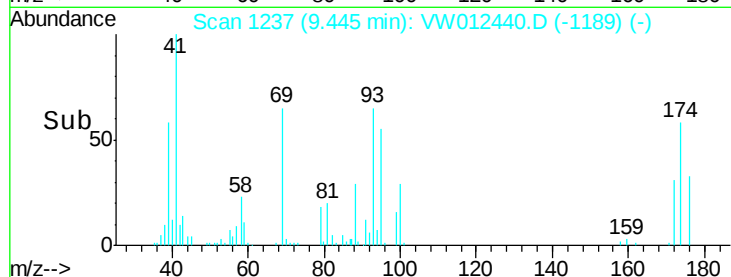
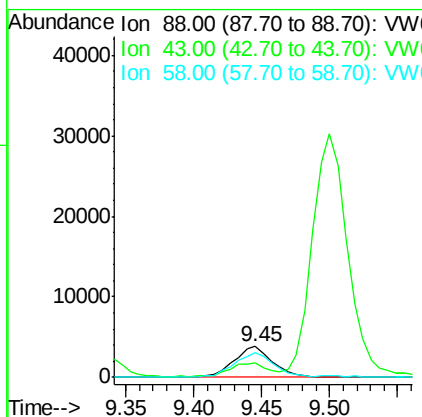
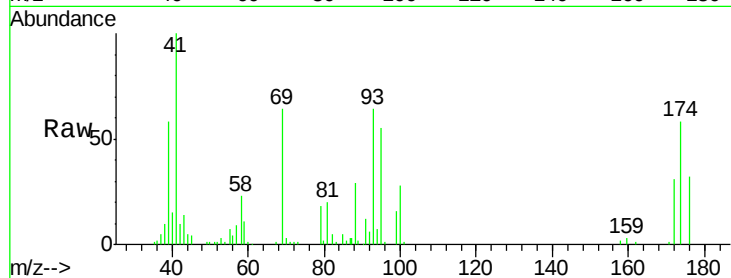
#49
 1,4-Dioxane
 Concen: 431.019 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBS01

Tot Ion	88	Resp	7553
Ion	Ratio	Lower	Upper
88	100		
43	46.7	32.9	49.3
58	83.0	71.0	106.4

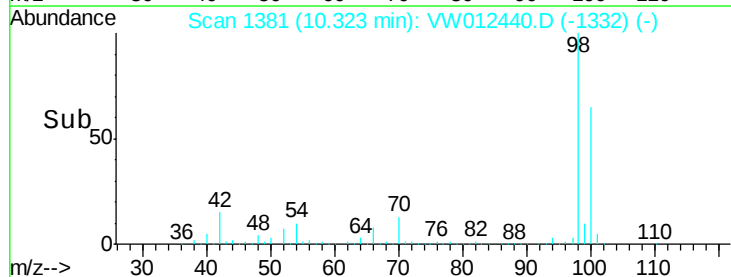
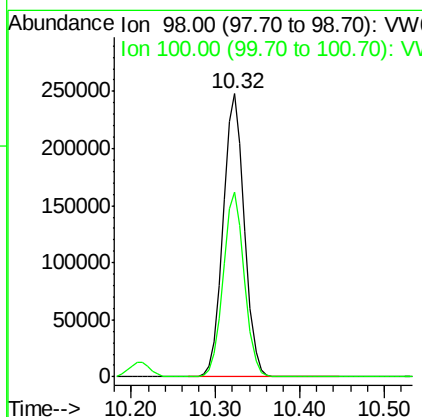
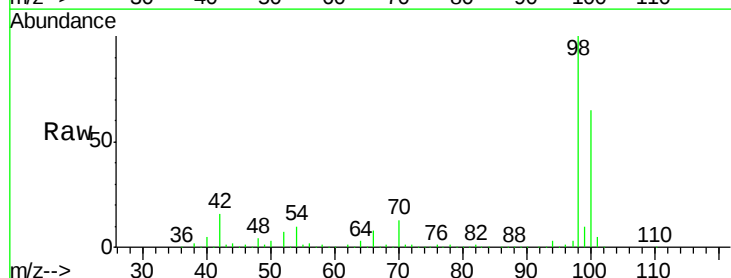
Manual Integrations
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#50
 Toluene-d8
 Concen: 52.303 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Tgt Ion	98	Resp	428848
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 105.929 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

ClientSampled :

VW0901SBS01

Tot Ion: 43 Resp: 191459

Ion Ratio Lower Upper

43 100

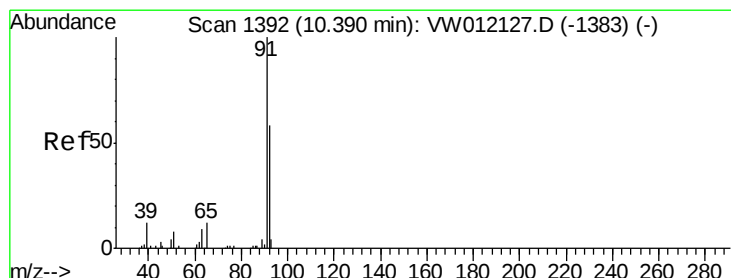
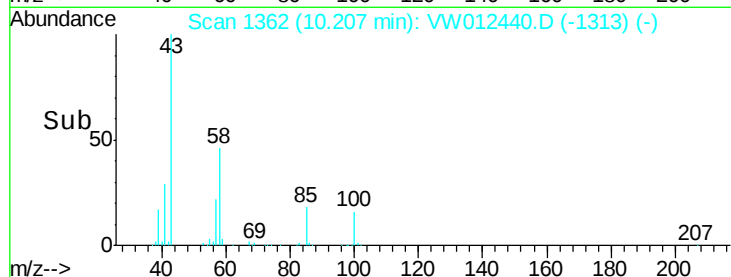
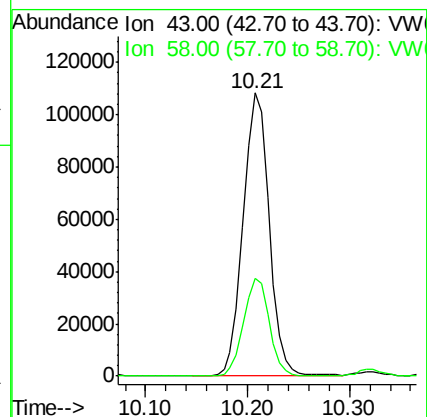
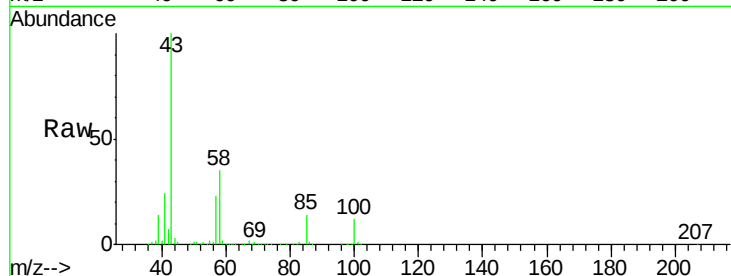
58 34.2 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 21.621 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012440.D

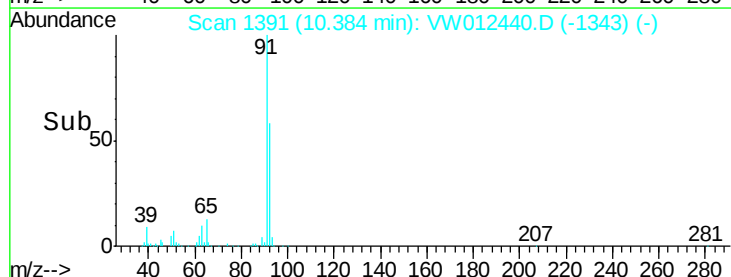
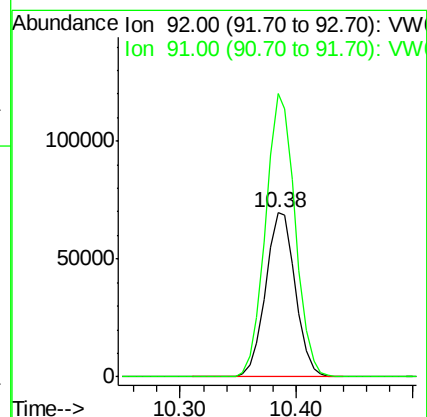
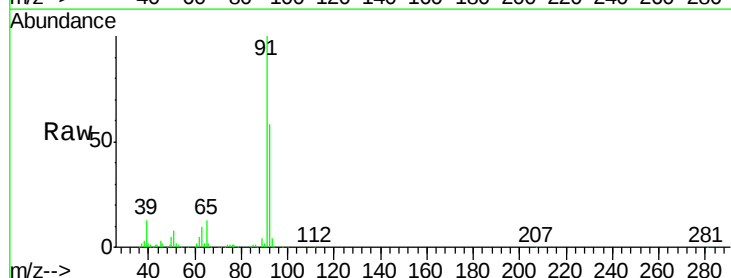
Acq: 01 Sep 2019 11:47

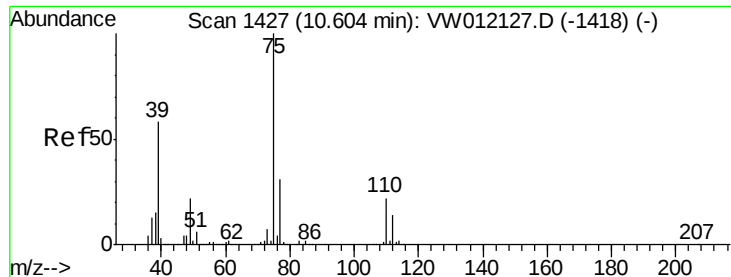
Tgt Ion: 92 Resp: 124163

Ion Ratio Lower Upper

92 100

91 171.3 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 21.426 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBS01

Tot Ion: 75 Resp: 66489

Ion Ratio Lower Upper

75 100

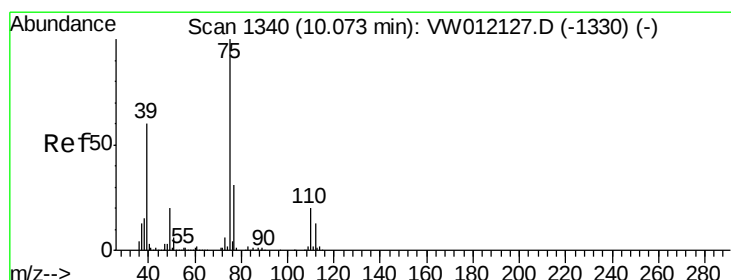
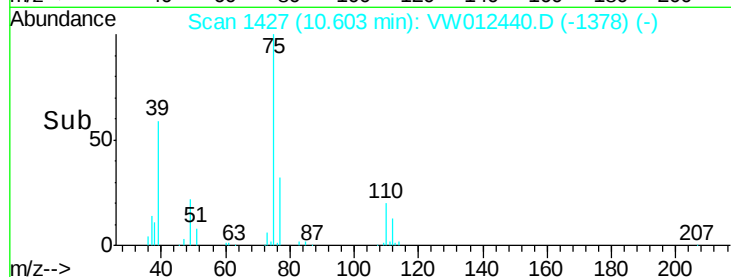
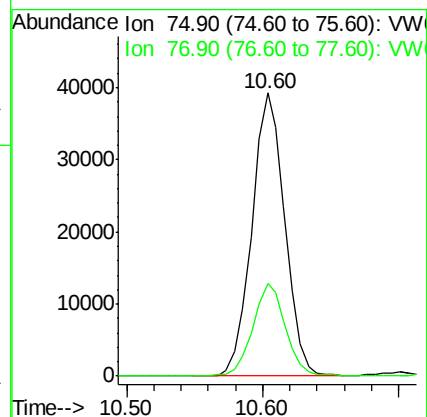
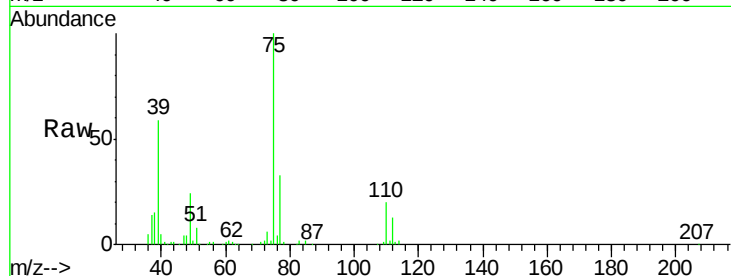
77 32.5 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 21.093 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

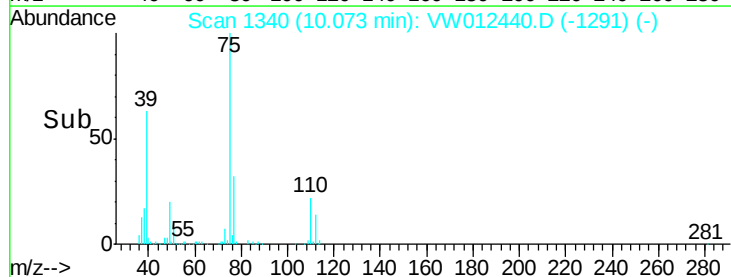
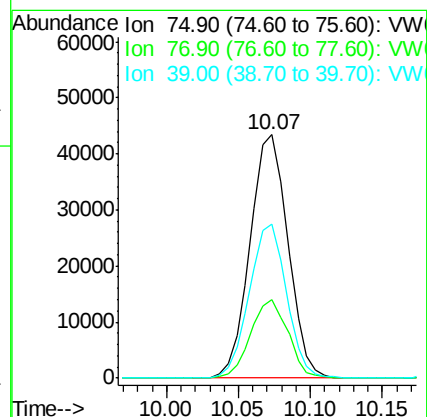
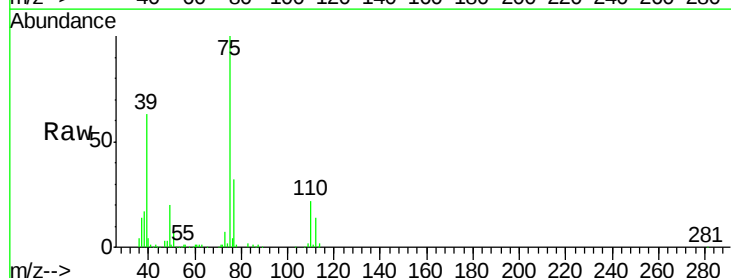
Tgt Ion: 75 Resp: 79034

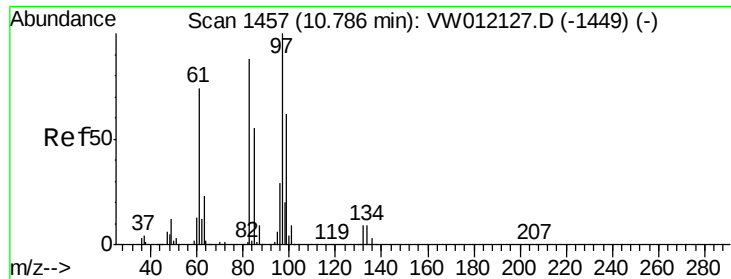
Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7

39 63.1 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 21.986 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

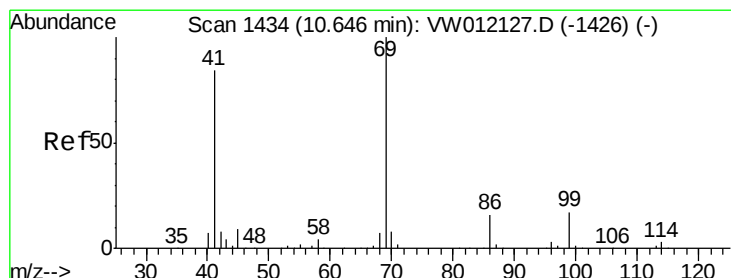
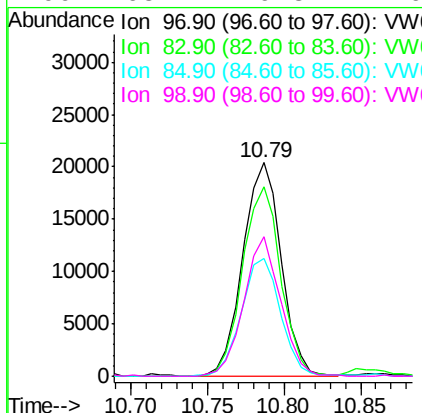
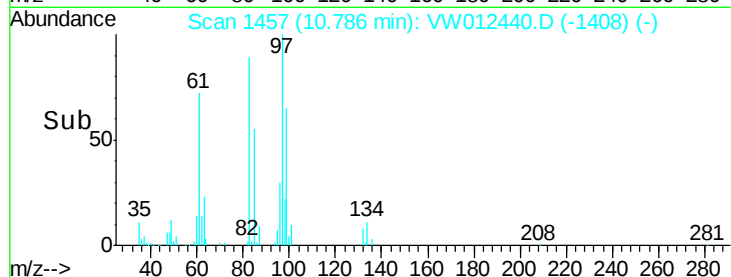
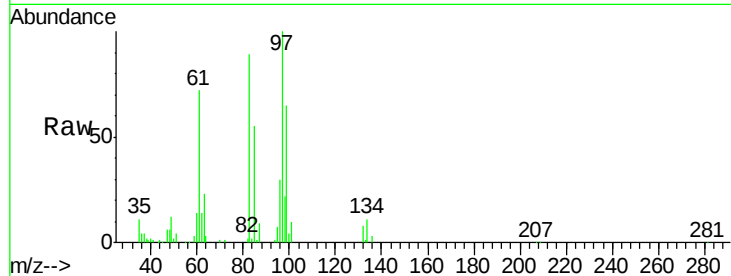
ClientSampleId :

VW0901SBS01

Tot Ion:	97	Resp:	35607
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.8	106.2
85	54.9	43.8	65.8
99	65.2	49.8	74.6

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#56

Ethyl methacrylate

Concen: 20.825 ug/l

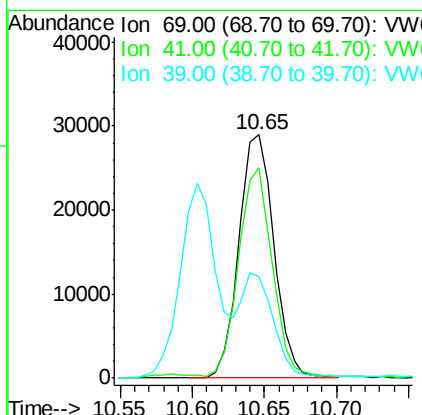
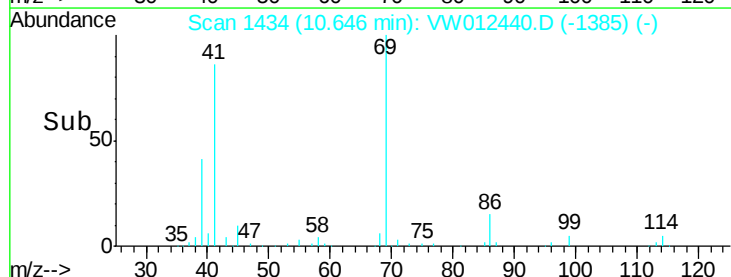
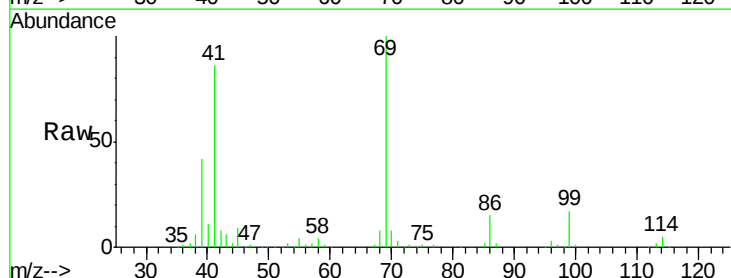
RT: 10.65 min Scan# 1434

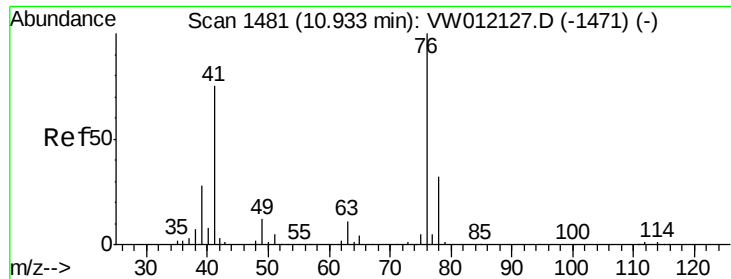
Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Tgt Ion:	69	Resp:	49086
Ion	Ratio	Lower	Upper
69	100		
41	81.0	66.5	99.7
39	38.4	31.0	46.4





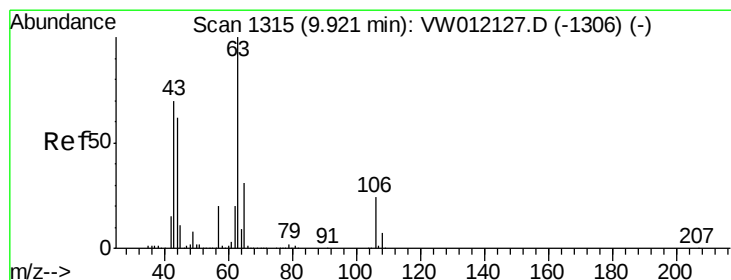
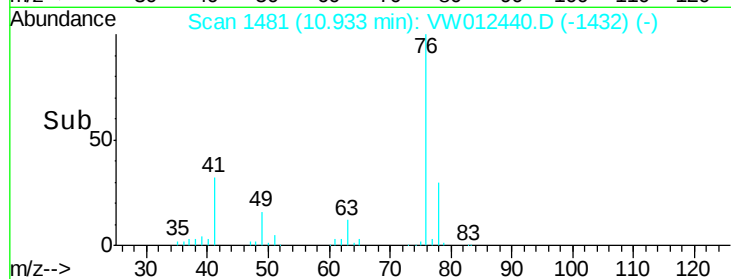
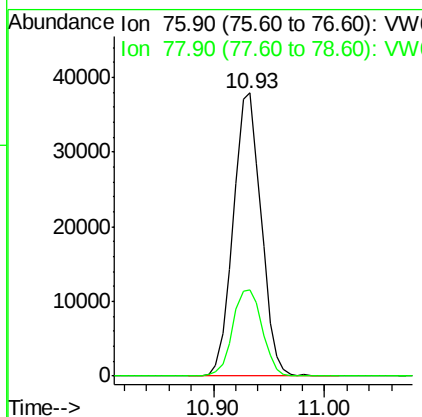
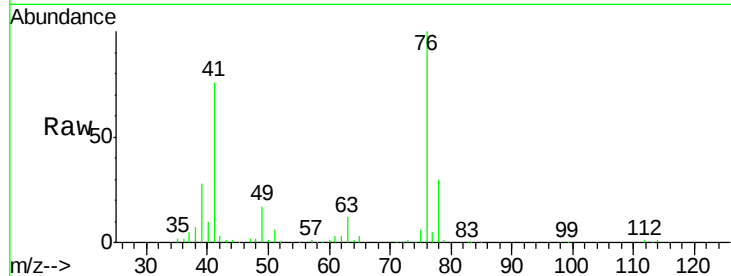
#57
 1,3-Dichloropropane
 Concen: 21.523 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBS01

Tot Ion: 76 Resp: 65872
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

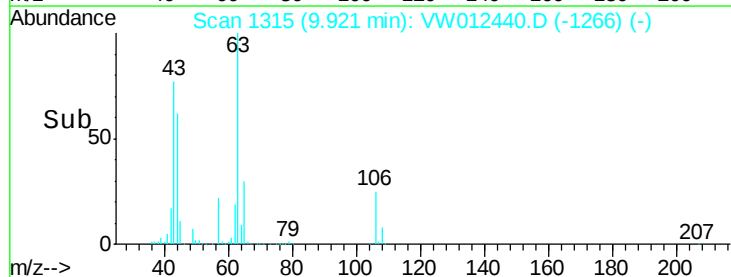
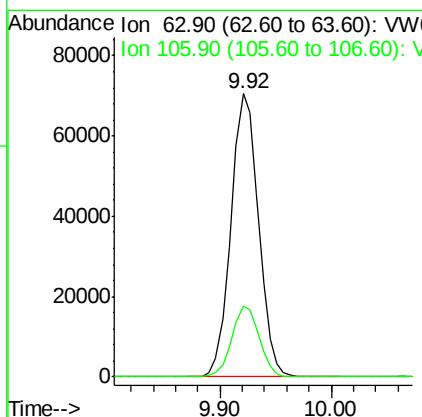
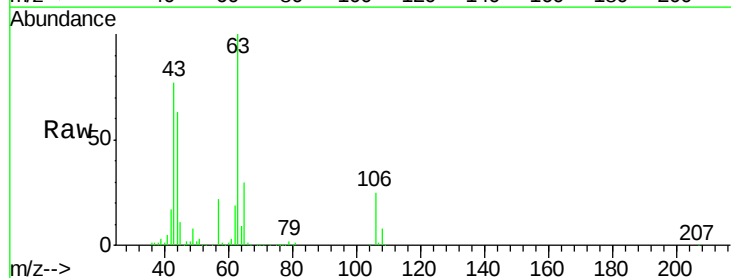
Manual Integrations
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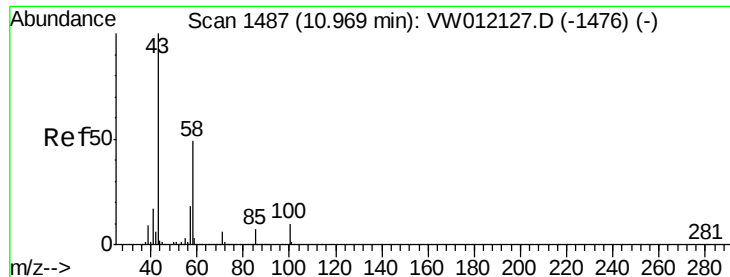
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 99.840 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Tgt Ion: 63 Resp: 120779
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.8 29.8





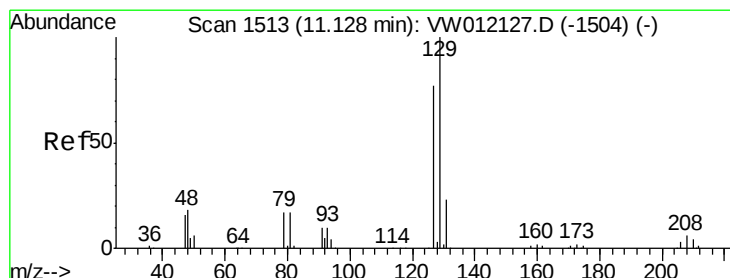
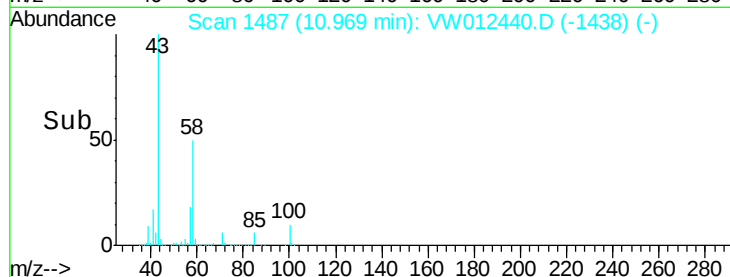
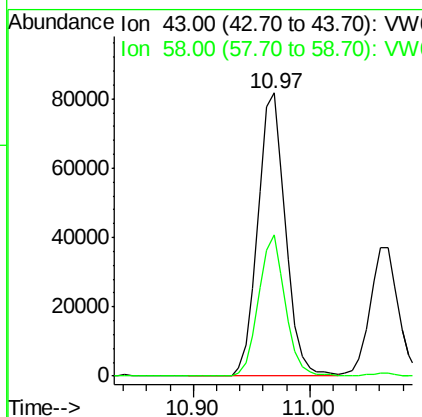
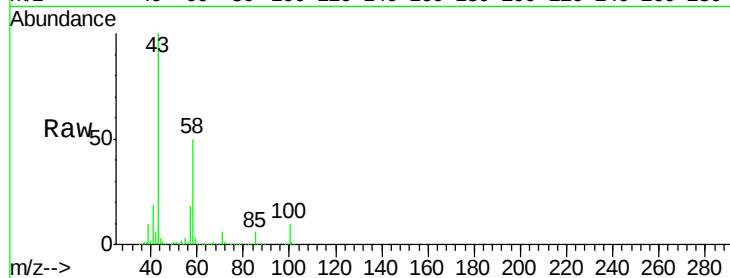
#59
2-Hexanone
Concen: 106.032 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion: 43 Resp: 135601
Ion Ratio Lower Upper
43 100
58 48.2 24.3 72.9

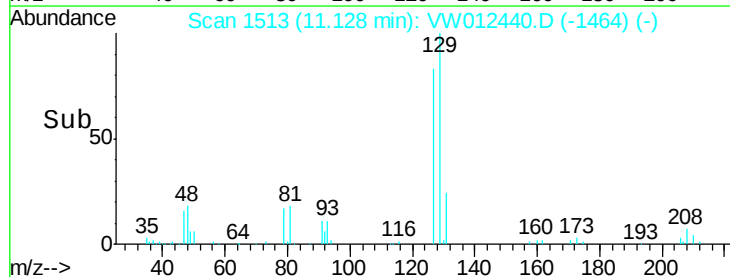
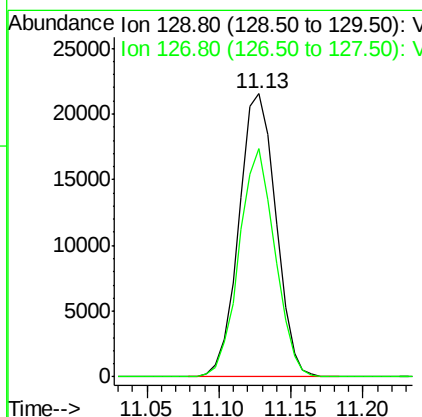
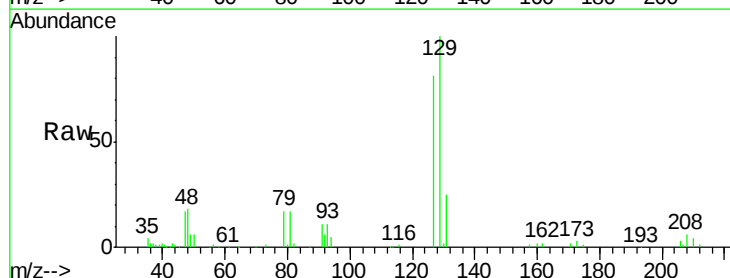
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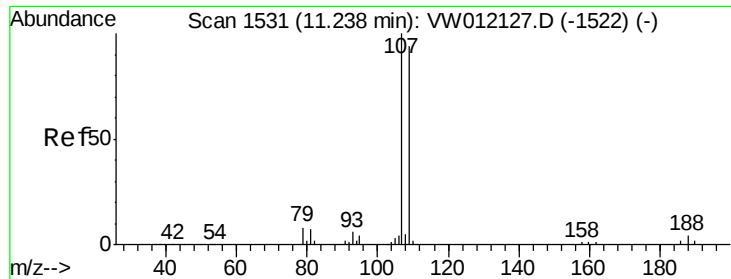
MMDadoda
9/3/2019 10:44:20 AM



#60
Dibromochloromethane
Concen: 21.295 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion: 129 Resp: 38414
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





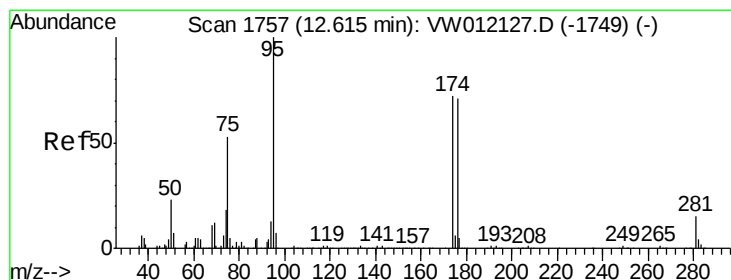
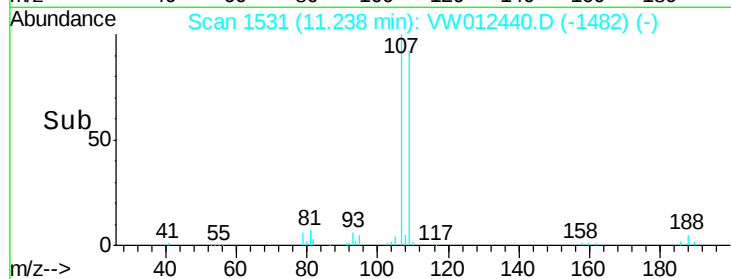
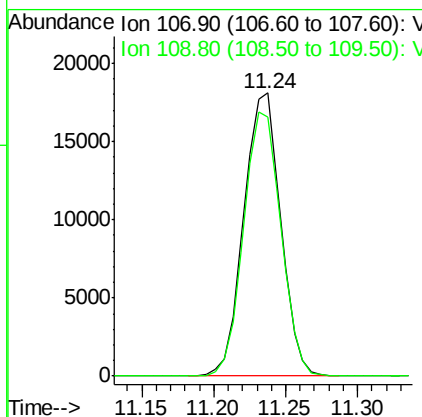
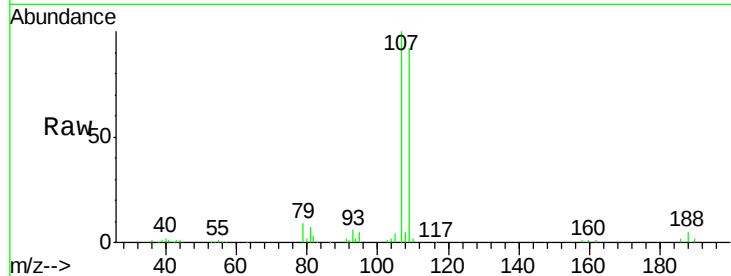
#61
 1,2-Dibromoethane
 Concen: 21.252 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.2

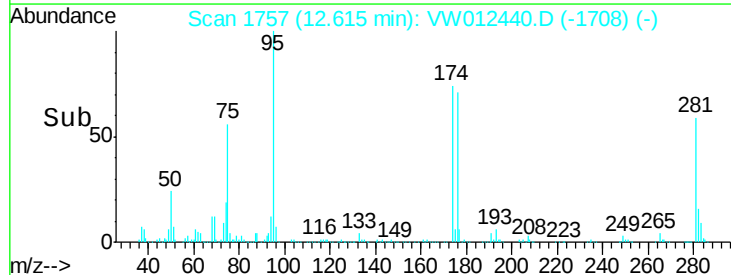
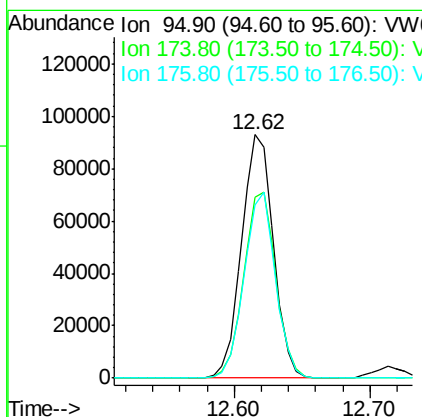
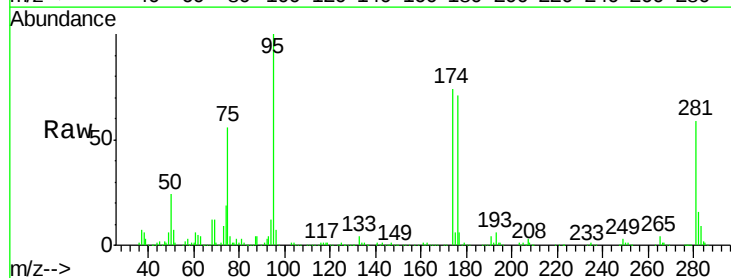
Manual Integrations
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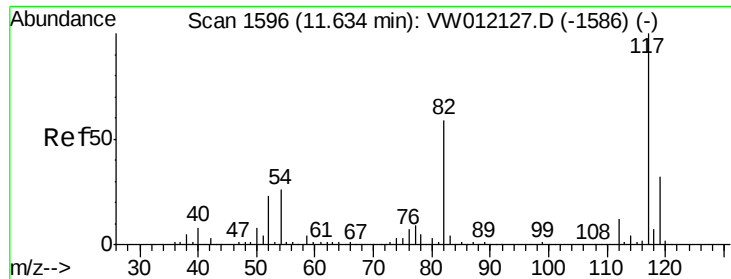
MMDadoda
 9/3/2019 10:44:20 AM



#62
 4-Bromofluorobenzene
 Concen: 52.564 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	150.8
176	75.0	0.0	148.6





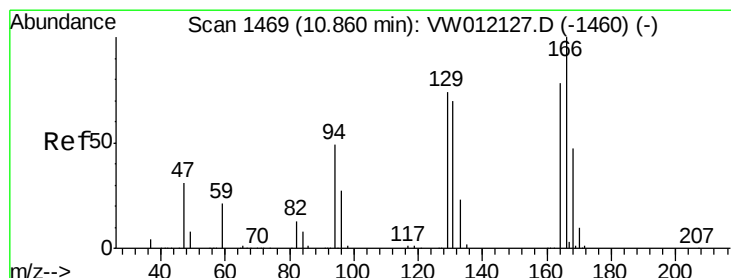
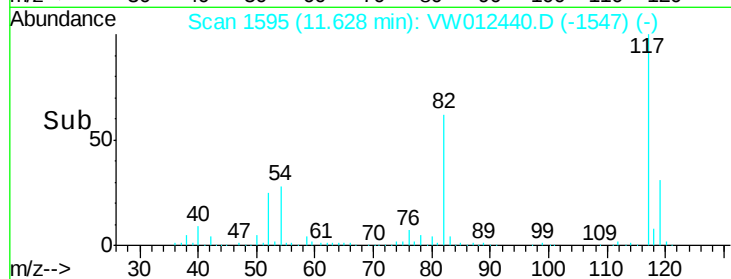
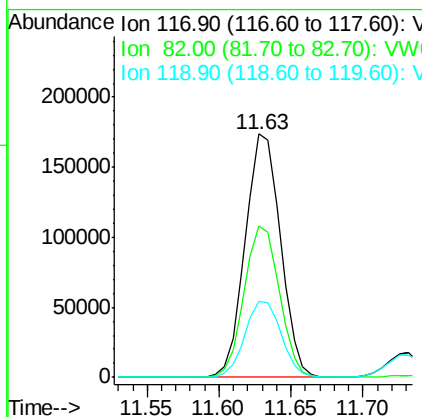
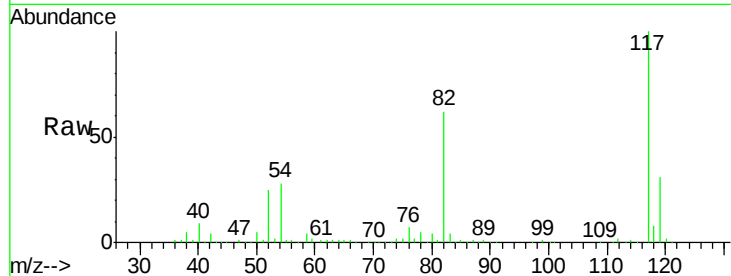
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	294611		
82	62.0	47.4	71.2	
119	31.4	25.4	38.2	

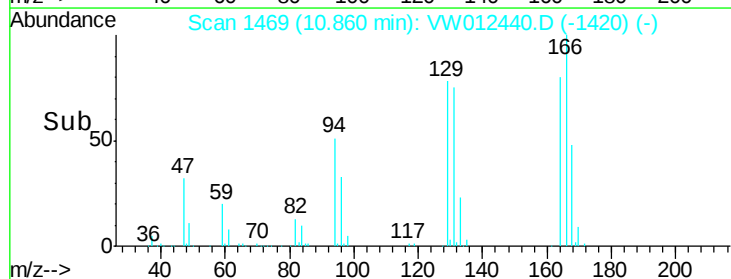
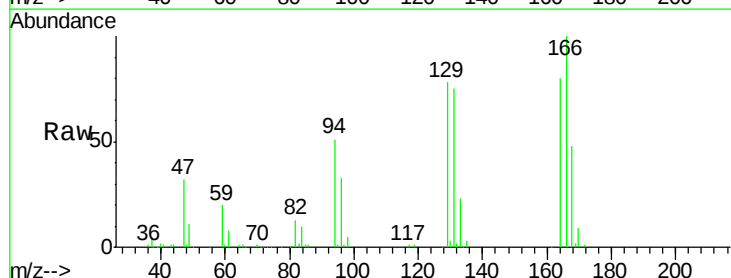
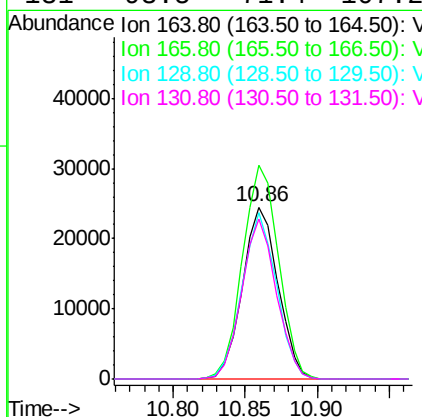
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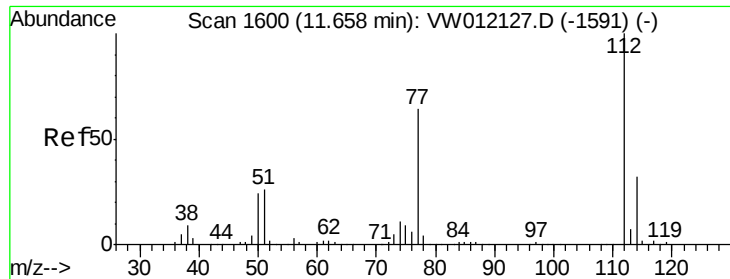
MMDadoda
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#64
Tetrachloroethene
Concen: 21.830 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41697		
166	124.3	102.4	153.6	
129	96.9	75.8	113.6	
131	93.5	71.4	107.2	





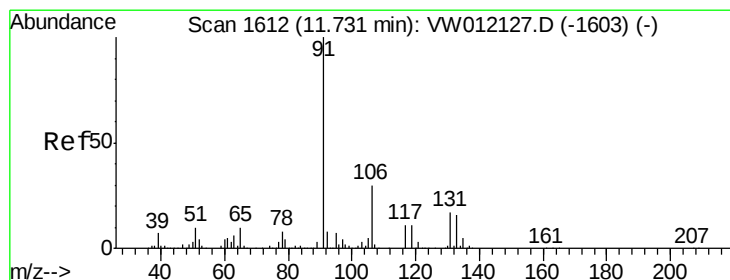
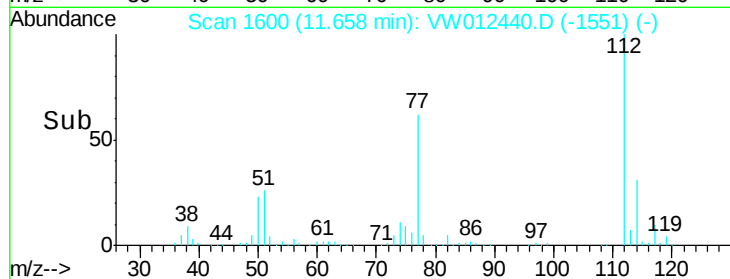
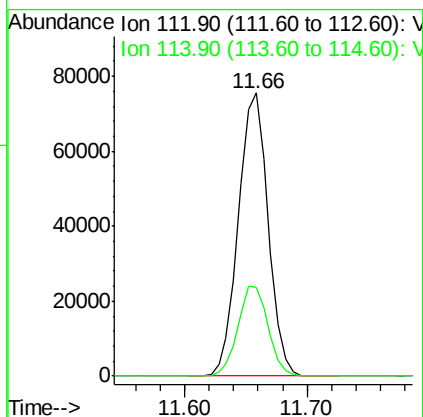
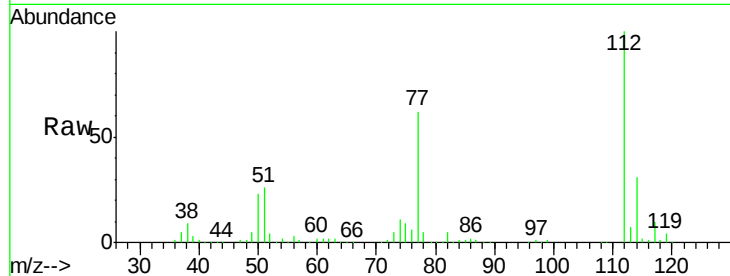
#65
Chlorobenzene
Concen: 21.949 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion:112 Resp: 127331
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6

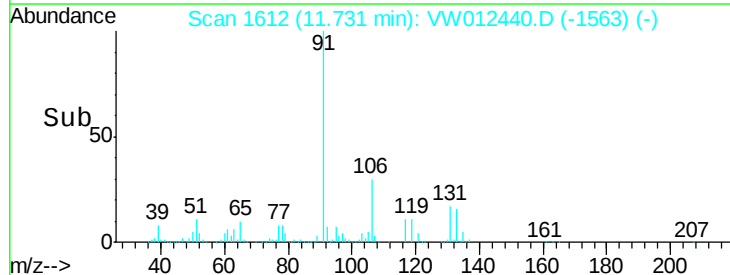
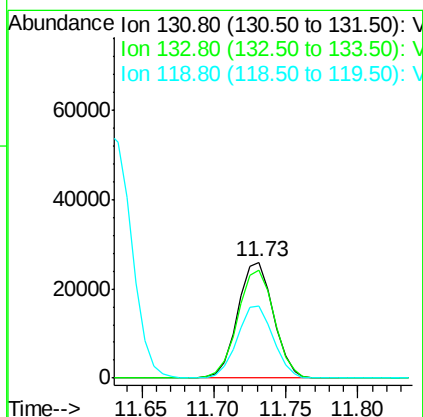
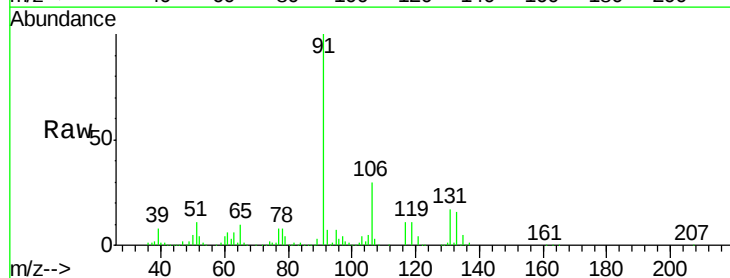
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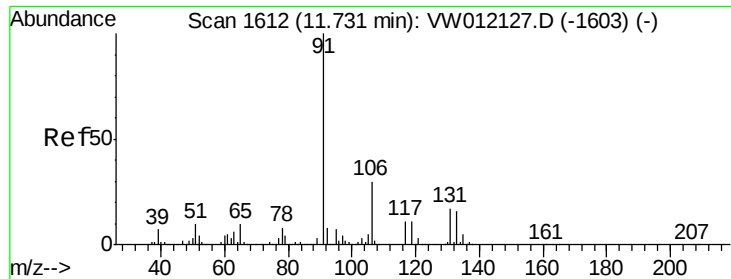
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.171 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion:131 Resp: 44869
Ion Ratio Lower Upper
131 100
133 95.2 47.1 141.3
119 62.9 31.8 95.3





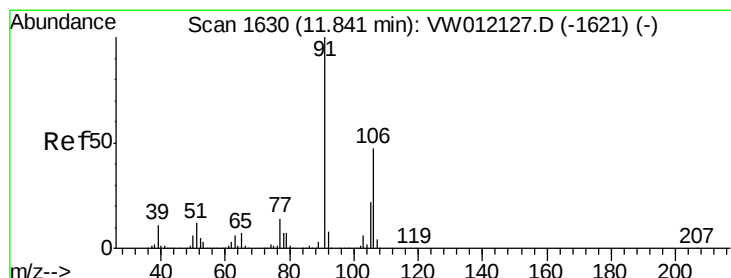
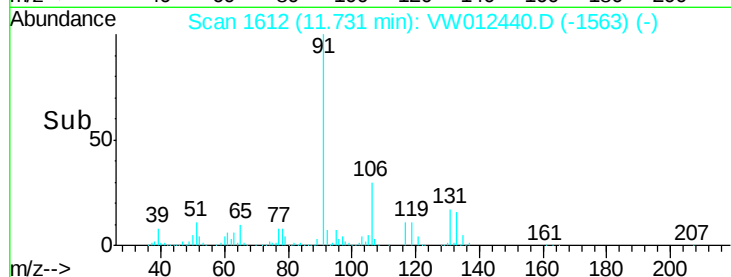
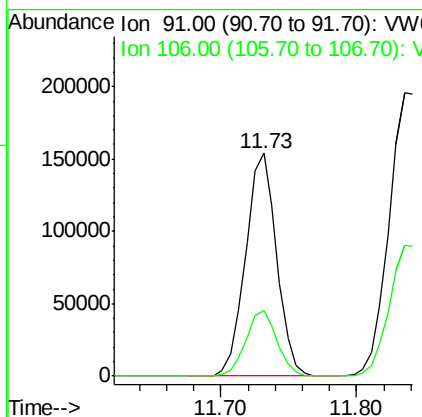
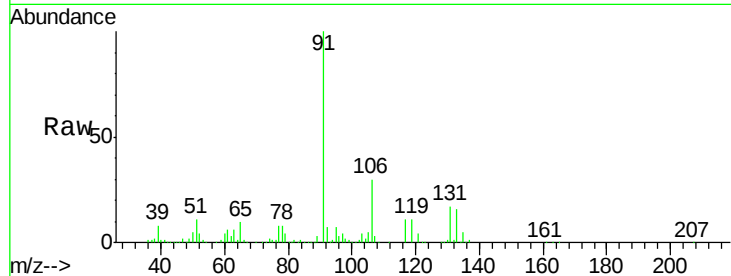
#67
Ethyl Benzene
Concen: 22.006 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion: 91 Resp: 245920
Ion Ratio Lower Upper
91 100
106 29.6 24.3 36.5

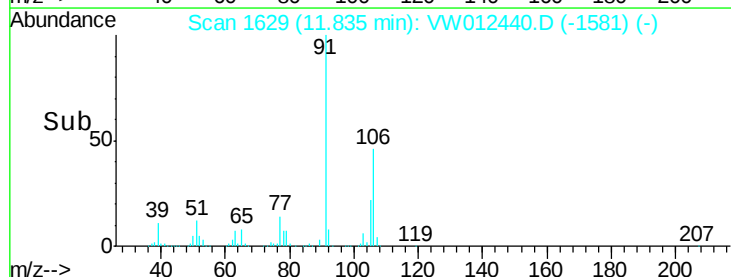
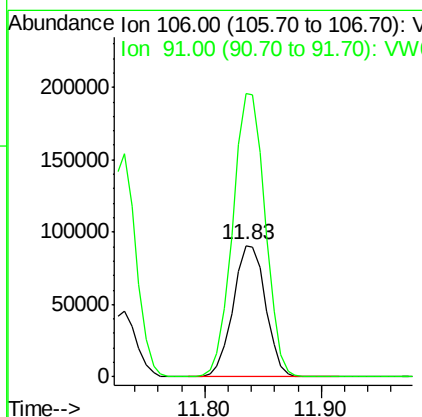
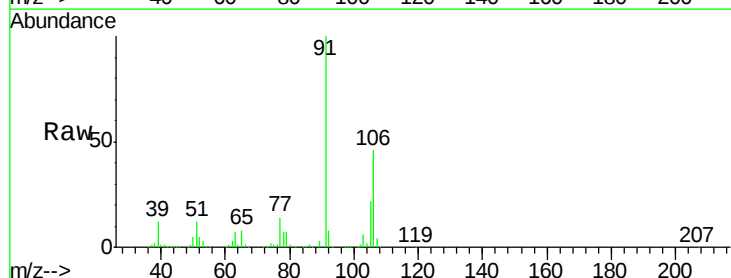
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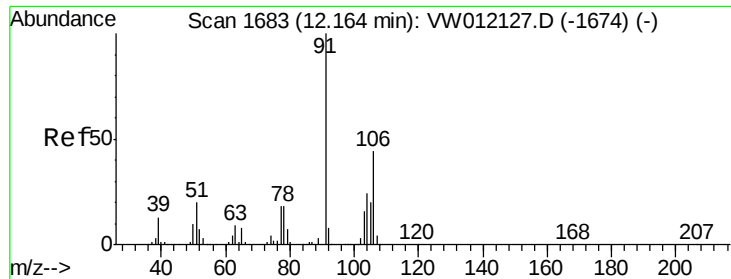
MMDadoda
9/3/2019 10:44:20 AM



#68
m/p-Xylenes
Concen: 44.001 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion: 106 Resp: 177119
Ion Ratio Lower Upper
106 100
91 214.0 169.5 254.3





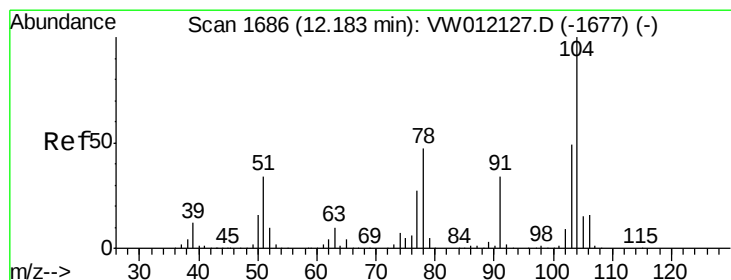
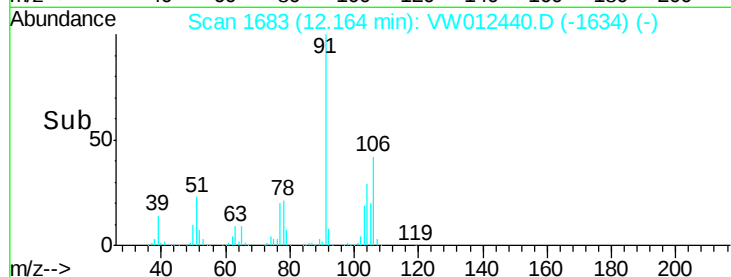
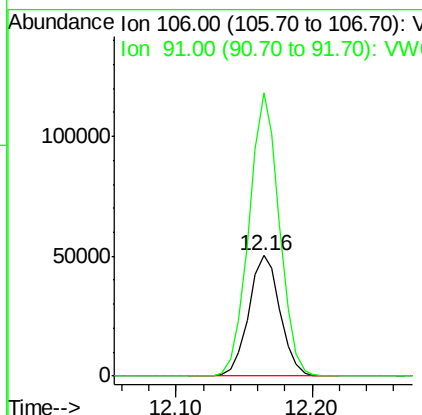
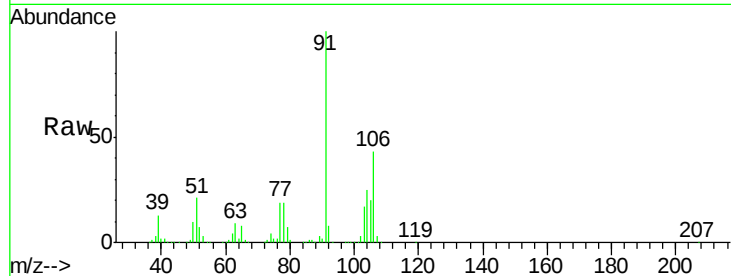
#69
o-Xylene
Concen: 21.701 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampled :
VW0901SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	228.3	111.6	334.6

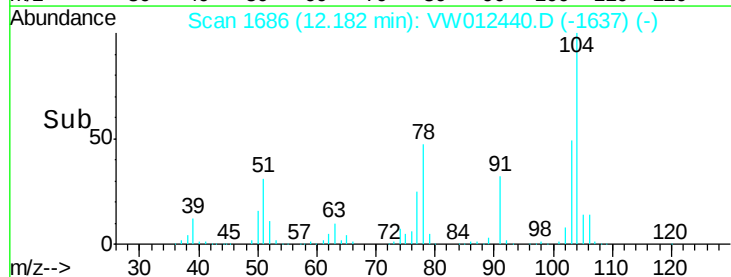
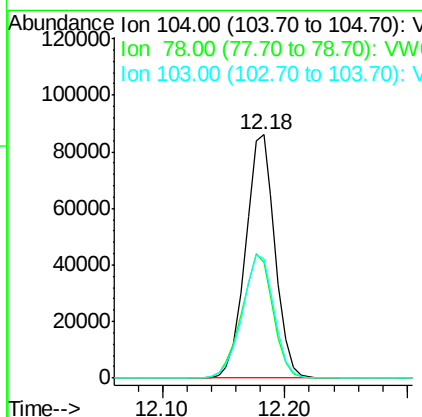
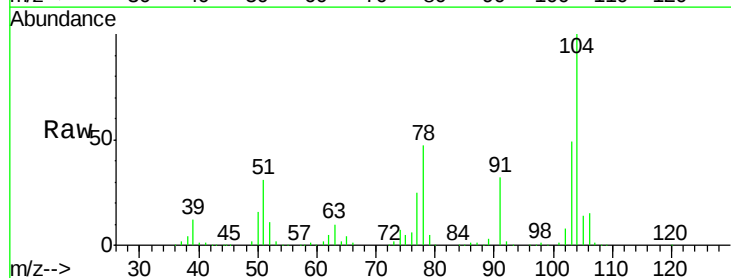
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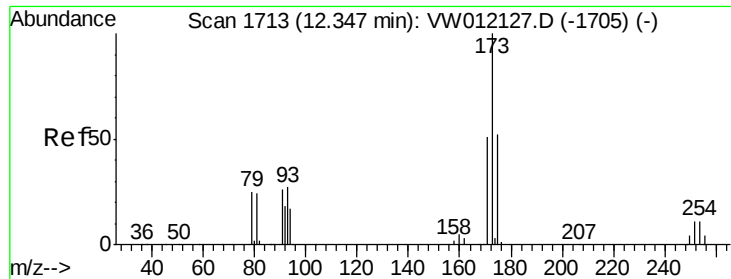
MMDadoda
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#70
Styrene
Concen: 22.242 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.5	43.1	64.7
103	54.7	43.5	65.3





#71

Bromoform

Concen: 21.197 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBS01

Tot Ion:173 Resp: 21373

Ion Ratio Lower Upper

173 100

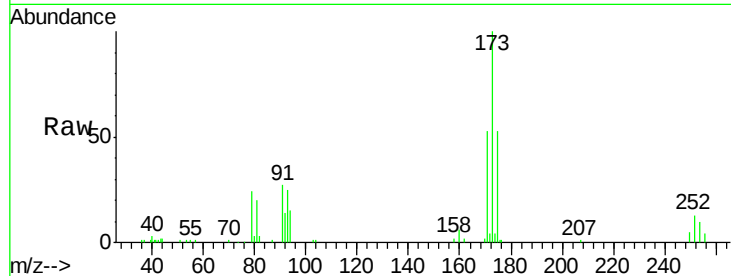
175 50.6 24.6 74.0

254 0.0 0.2 0.2#

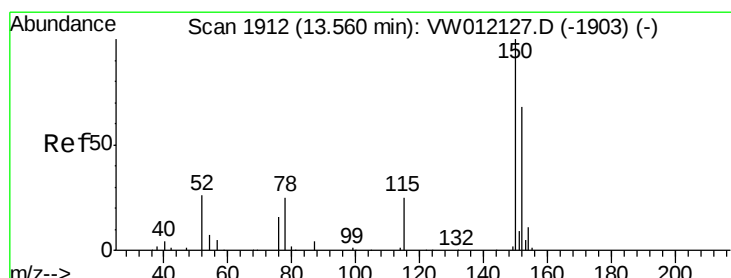
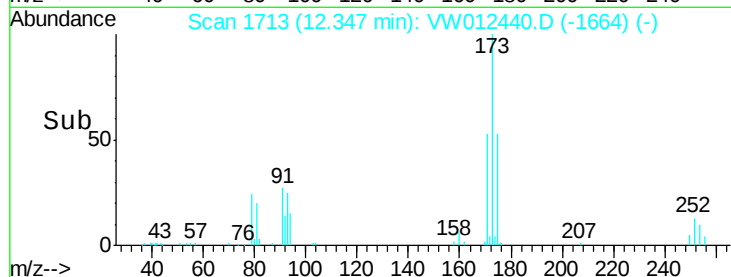
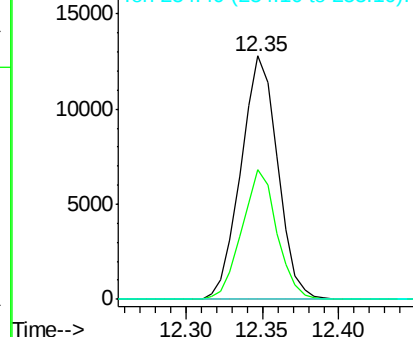
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

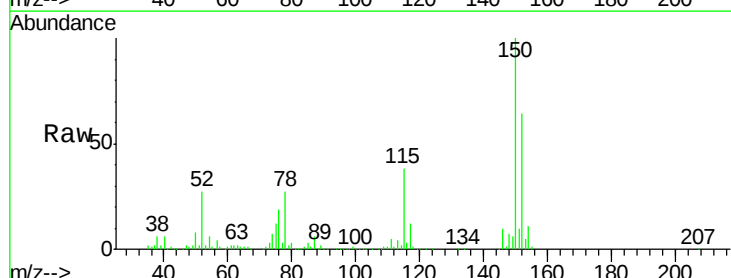
Tgt Ion:152 Resp: 148639

Ion Ratio Lower Upper

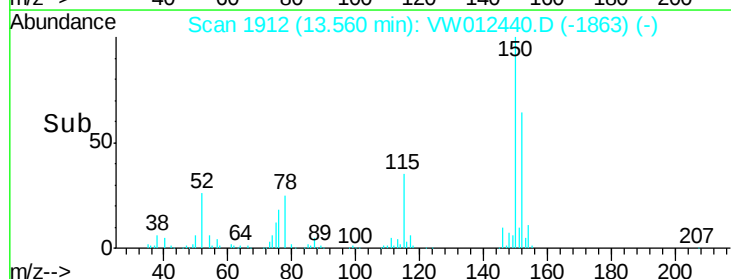
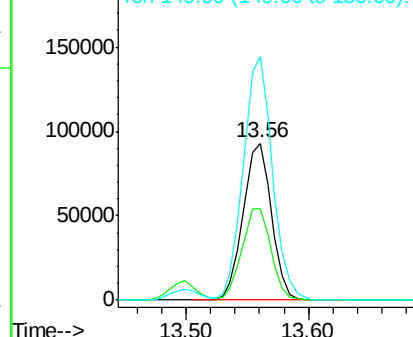
152 100

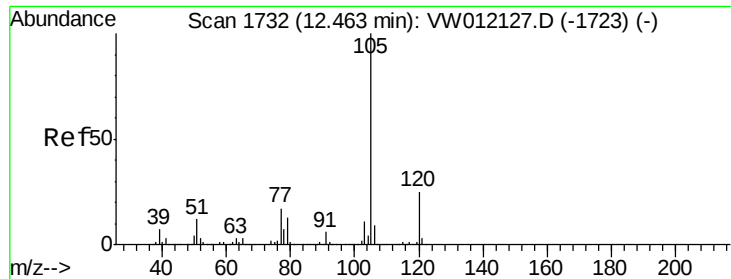
115 59.9 30.1 90.3

150 160.0 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





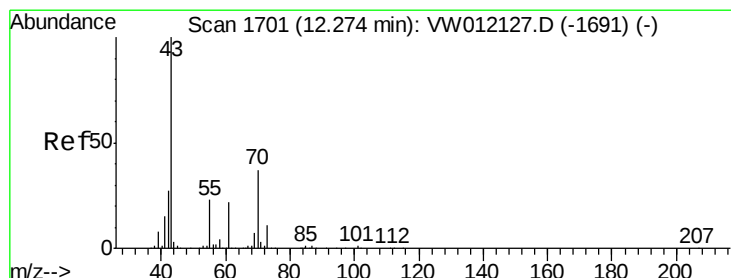
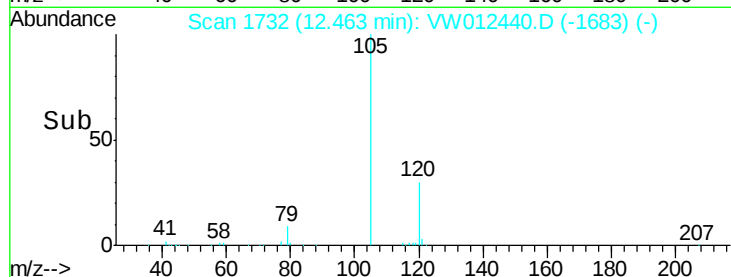
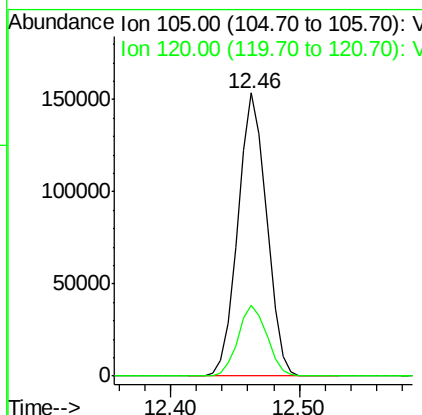
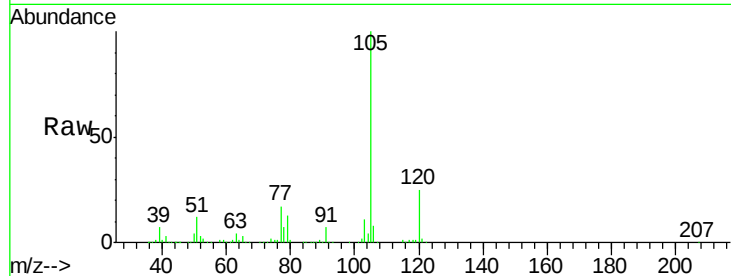
#73
Isopropylbenzene
Concen: 21.264 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	236833		
120	25.1		12.5	37.5

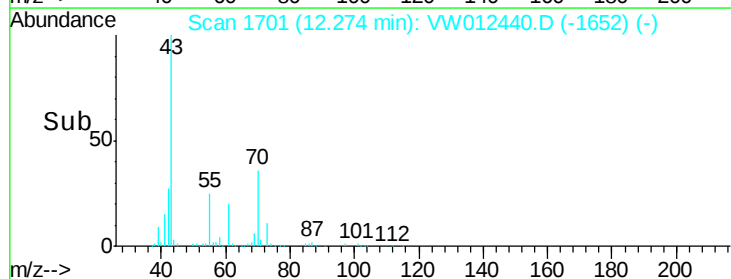
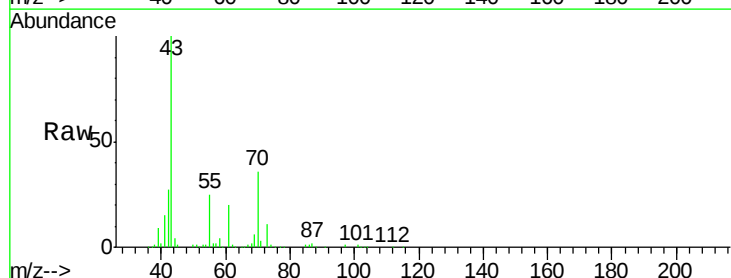
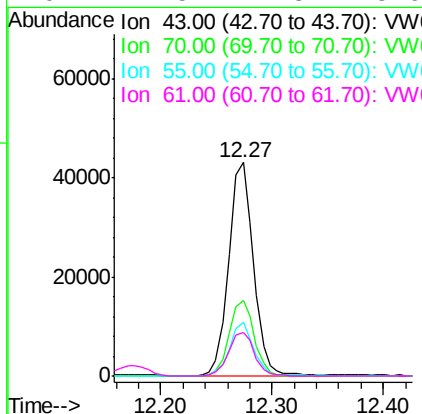
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#74
N-ethyl acetate
Concen: 19.728 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	66384		
70	36.1		28.6	43.0
55	24.4		17.8	26.6
61	21.5		17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.894 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

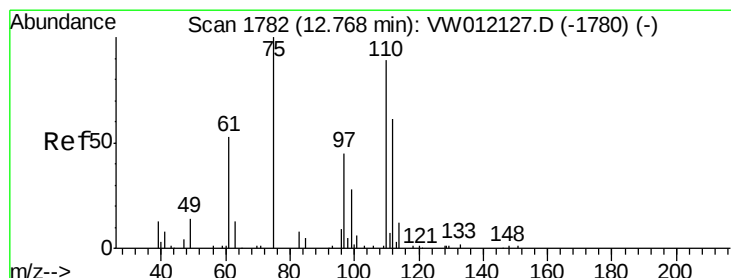
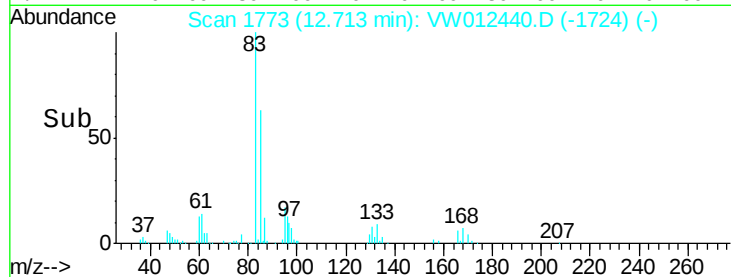
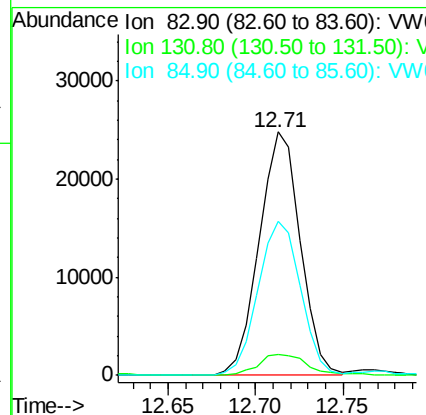
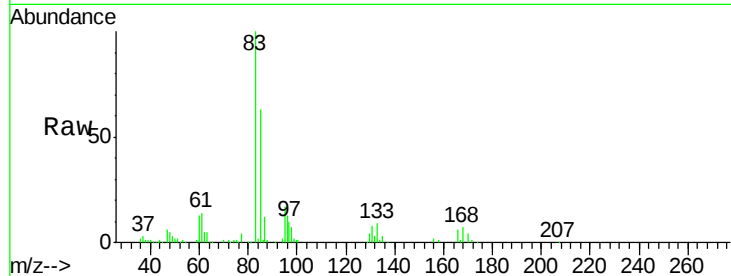
ClientSampleId :

VW0901SBS01

Tot Ion:	83	Resp:	40622
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.7
85	65.1	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 19.466 ug/l m

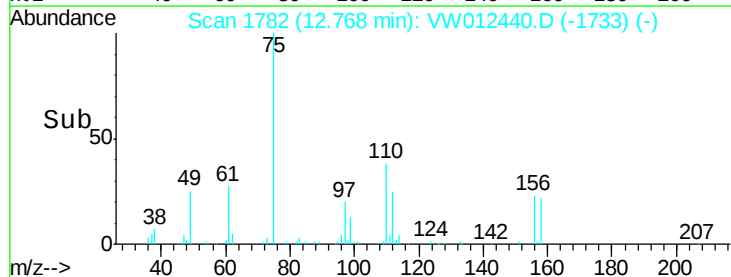
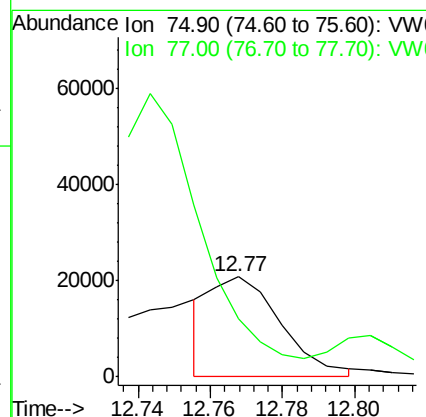
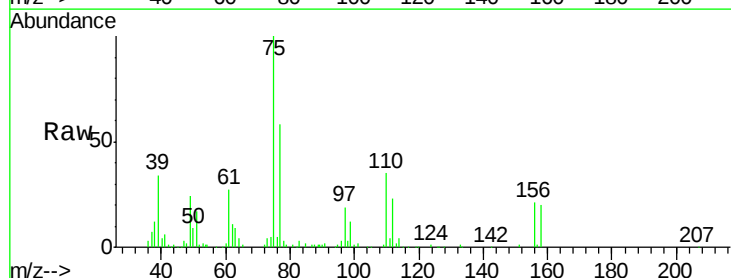
RT: 12.77 min Scan# 1782

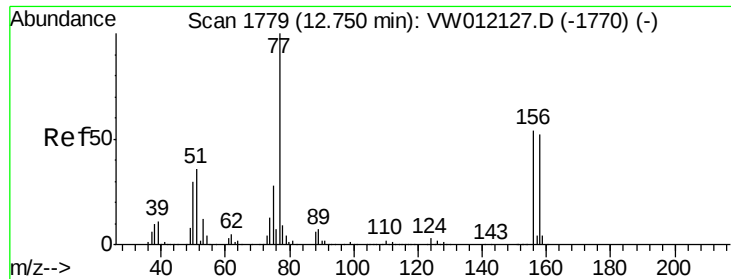
Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Tgt Ion:	75	Resp:	28179
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.166 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBS01

Tot Ion:156 Resp: 50999

Ion Ratio Lower Upper

156 100

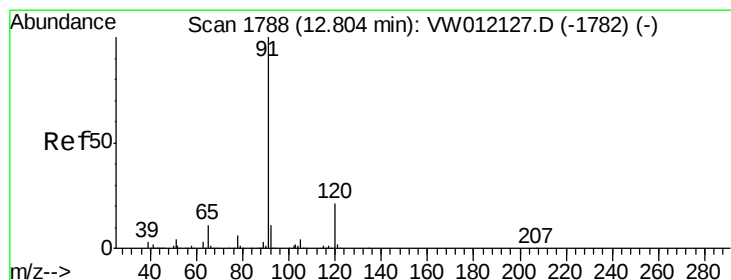
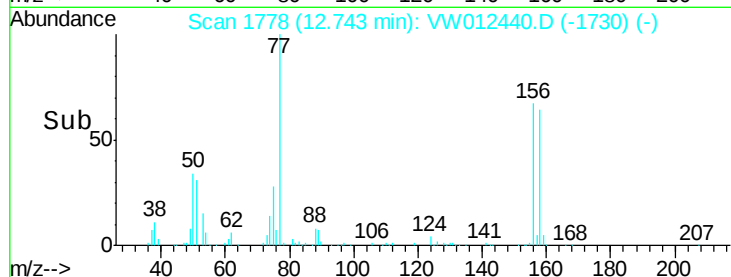
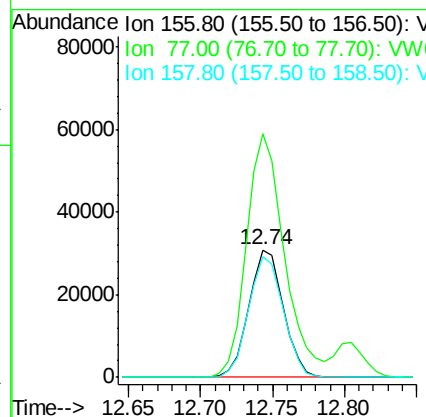
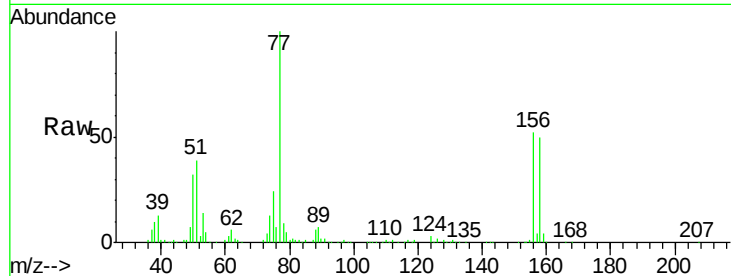
77 210.4 107.3 321.8

158 96.1 49.0 147.0

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#78

n-propylbenzene

Concen: 21.185 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012440.D

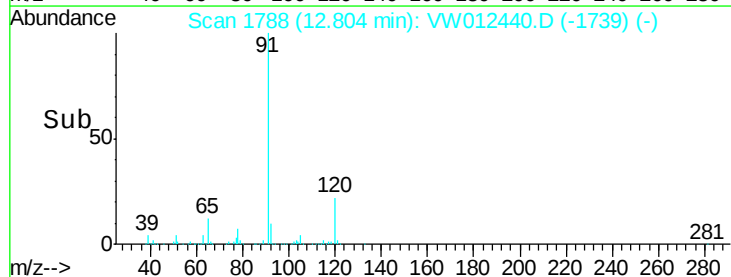
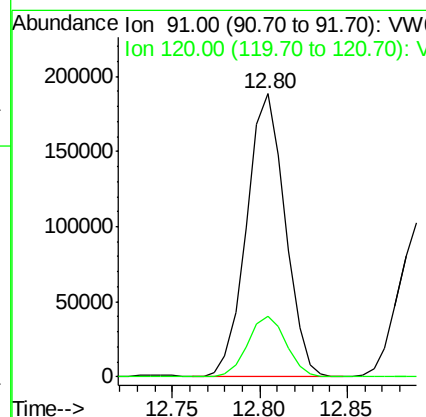
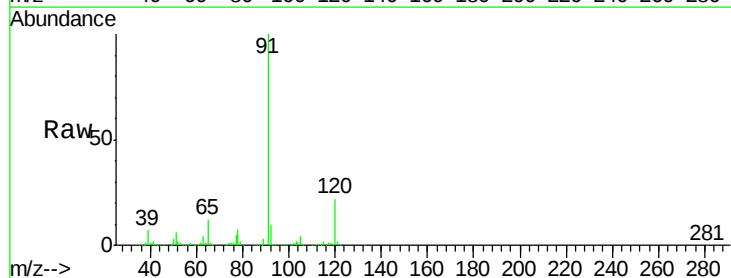
Acq: 01 Sep 2019 11:47

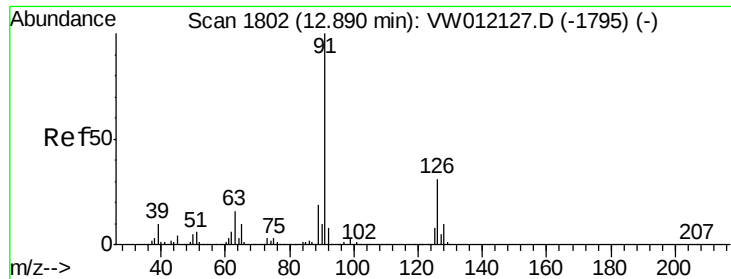
Tgt Ion: 91 Resp: 288056

Ion Ratio Lower Upper

91 100

120 21.6 10.5 31.6





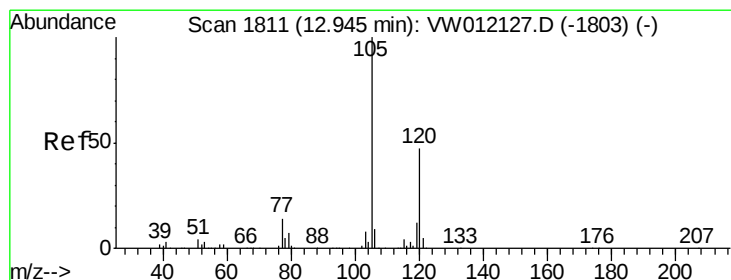
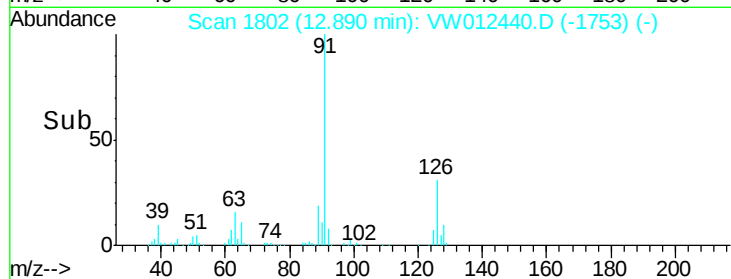
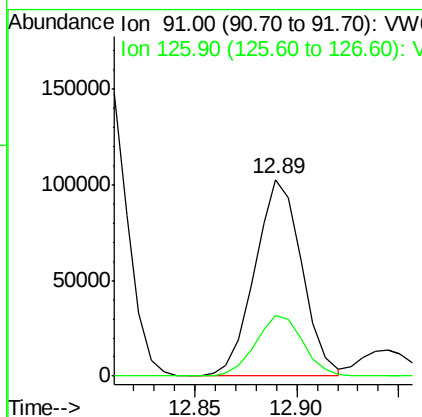
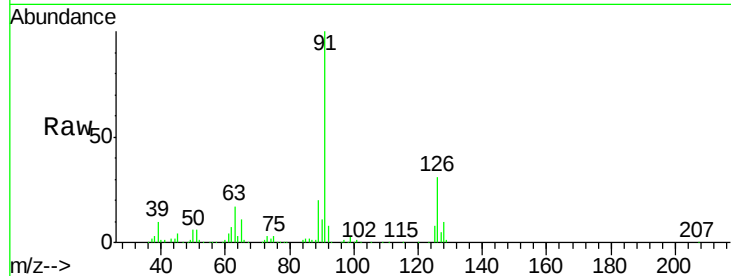
#79
2-Chlorotoluene
Concen: 21.282 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion: 91 Resp: 164285
Ion Ratio Lower Upper
91 100
126 31.4 15.7 47.0

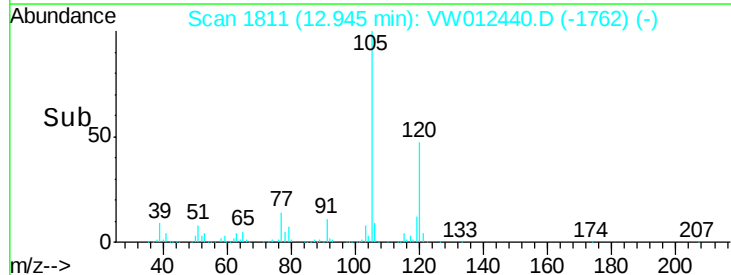
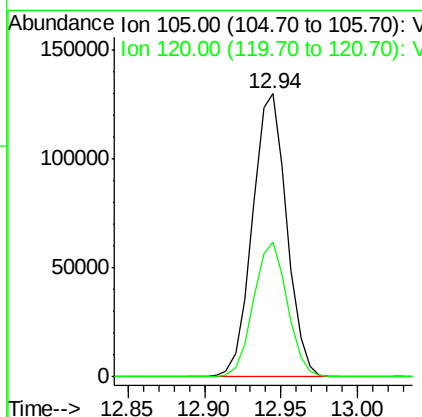
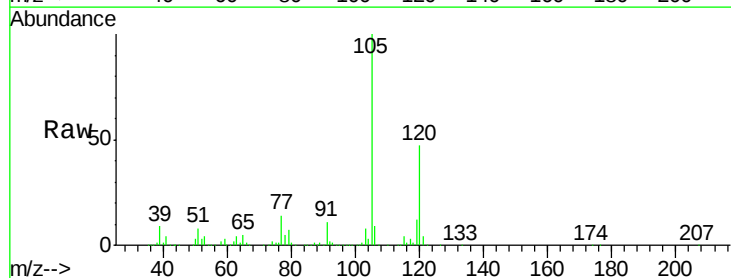
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#80
1,3,5-Trimethylbenzene
Concen: 21.644 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion:105 Resp: 201433
Ion Ratio Lower Upper
105 100
120 47.3 24.0 72.0





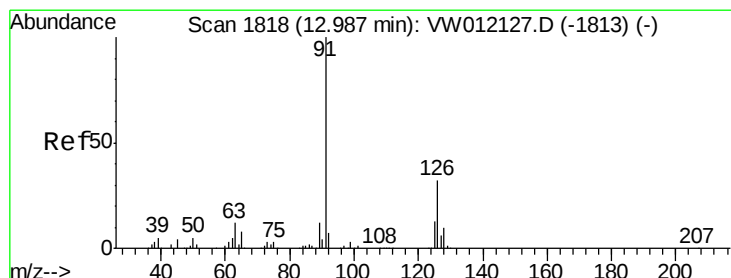
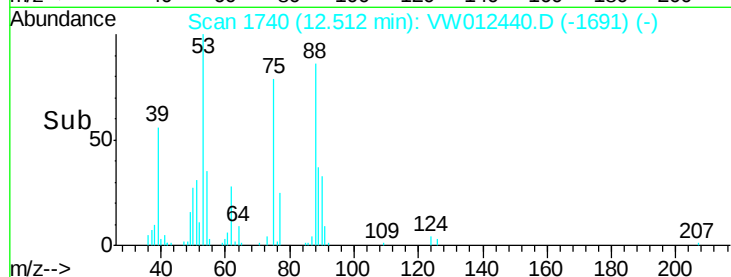
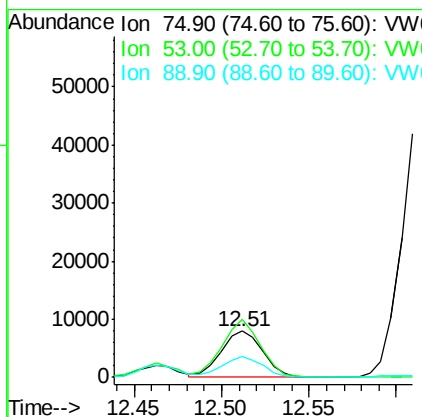
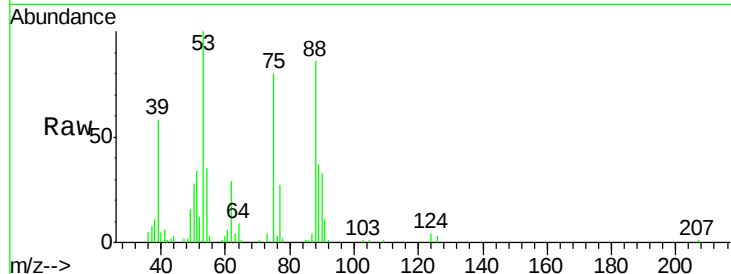
#81
trans-1,4-Dichloro-2-butene
Concen: 19.921 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.0	89.4	134.0
89	43.0	34.5	51.7

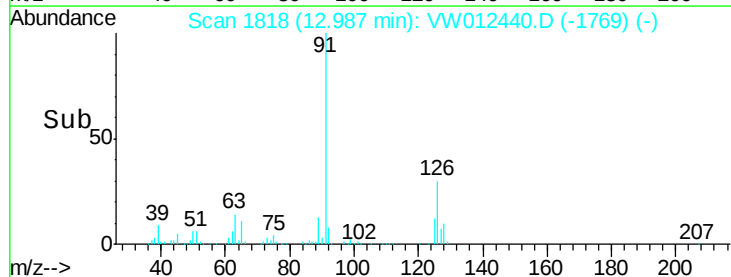
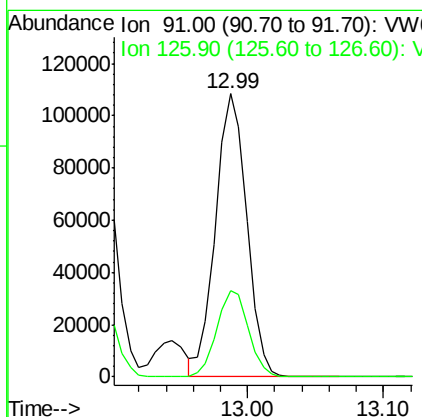
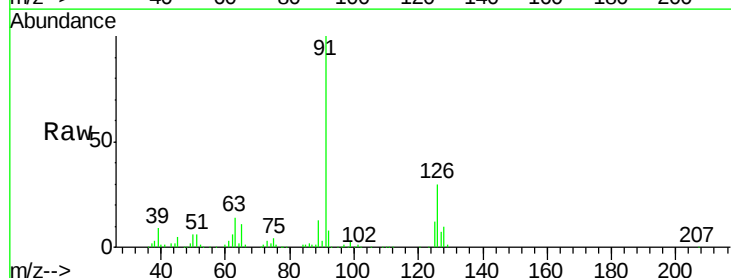
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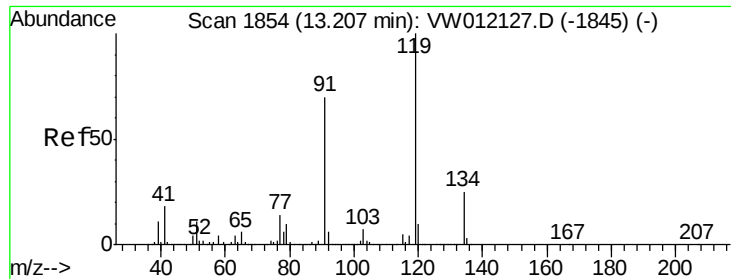
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#82
4-Chlorotoluene
Concen: 21.257 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





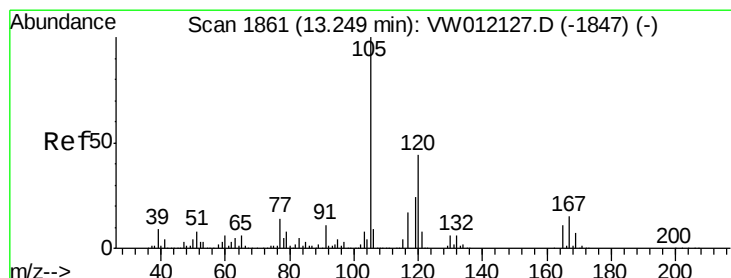
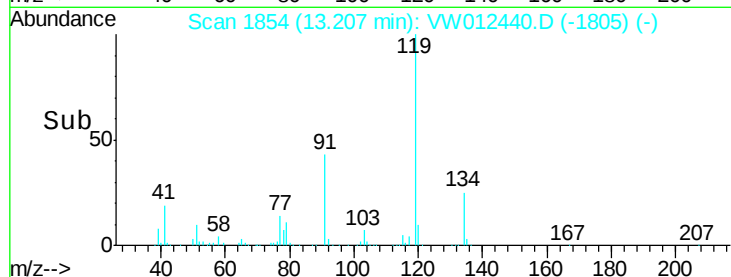
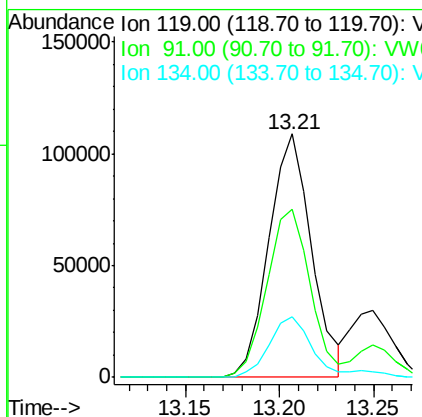
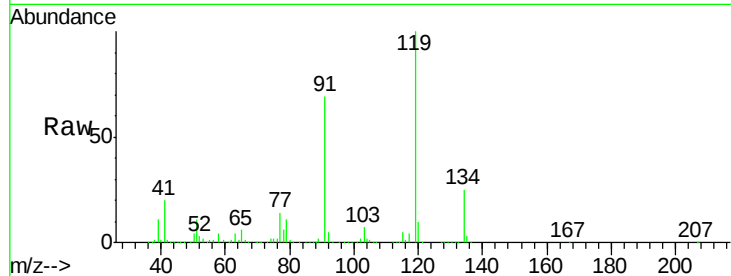
#83
tert-Butylbenzene
Concen: 21.712 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampled :
VW0901SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	171170		
91	70.1	34.8	104.3	
134	24.7	13.3	39.8	

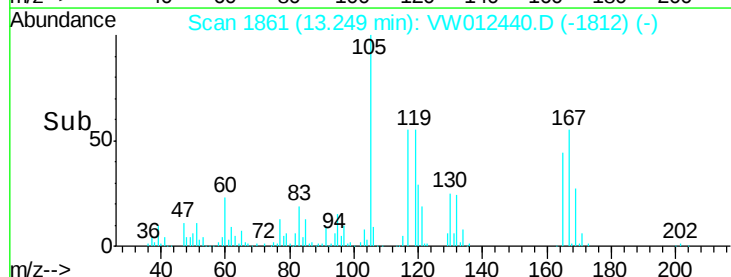
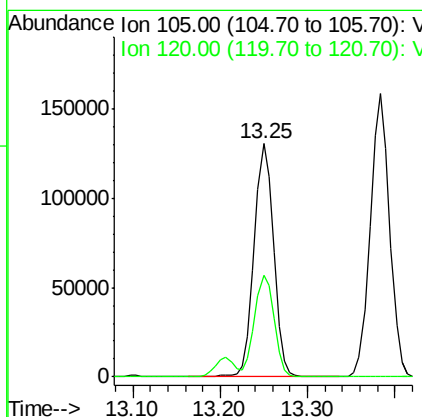
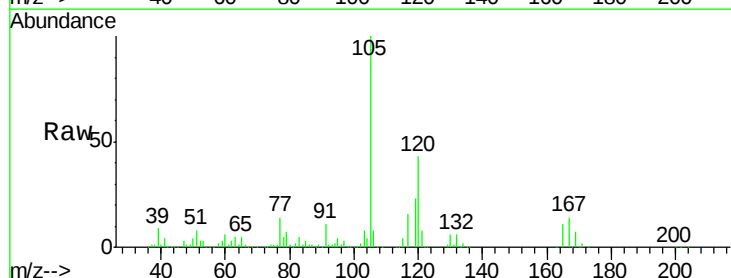
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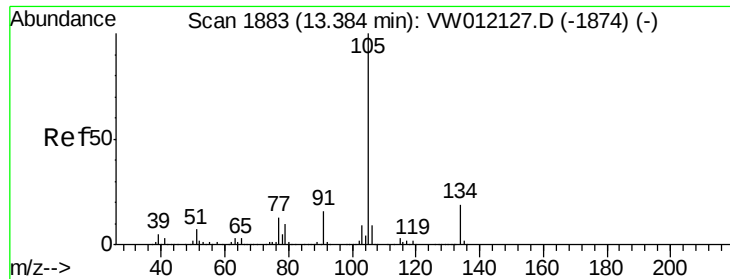
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#84
1,2,4-Trimethylbenzene
Concen: 21.572 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	201668		
120	43.5	21.9	65.7	





#85

sec-Butylbenzene

Concen: 21.685 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBS01

Tot Ion:105 Resp: 244919

Ion Ratio Lower Upper

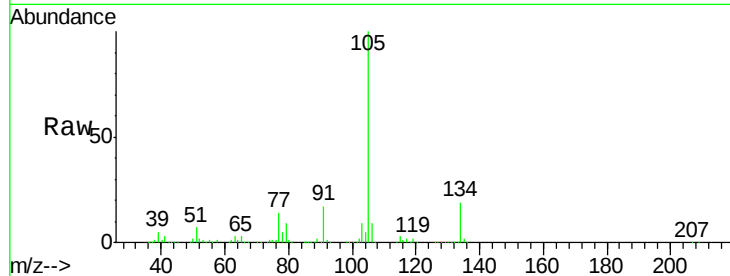
105 100

134 19.1 9.8 29.4

Manual Integrations
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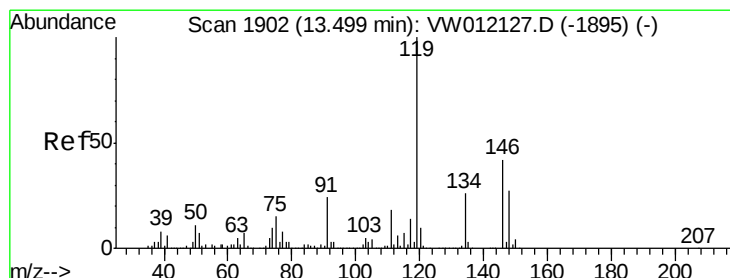
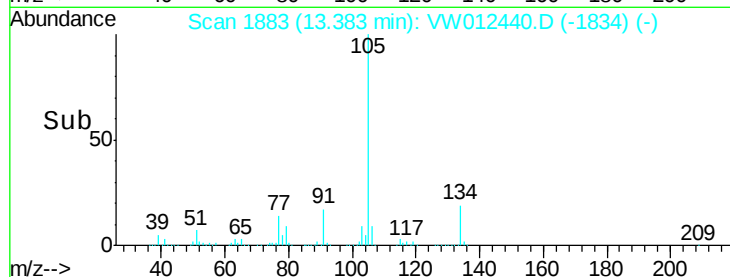
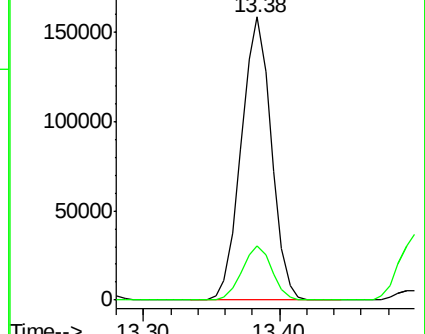
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.846 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012440.D

Acq: 01 Sep 2019 11:47

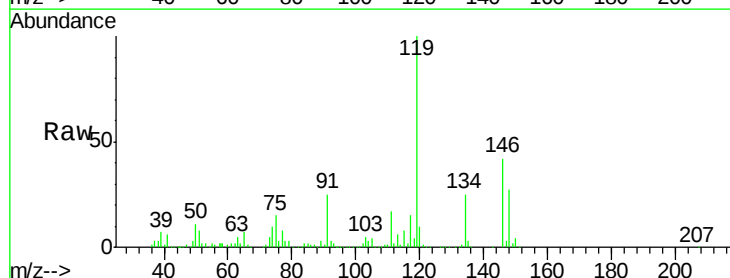
Tgt Ion:119 Resp: 220356

Ion Ratio Lower Upper

119 100

134 24.9 12.8 38.3

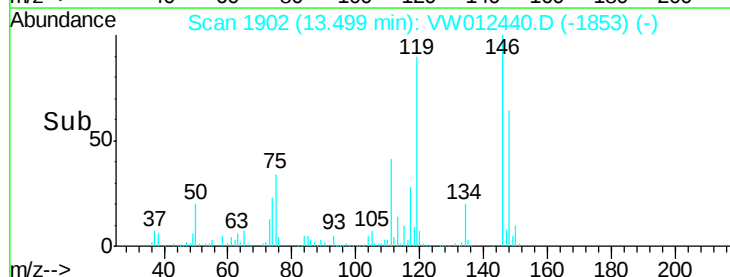
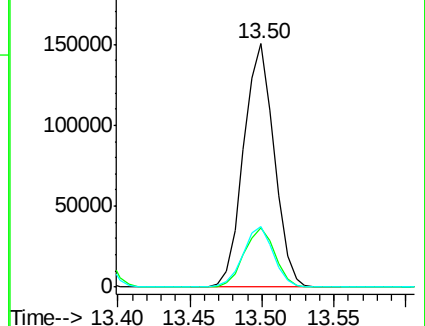
91 24.6 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





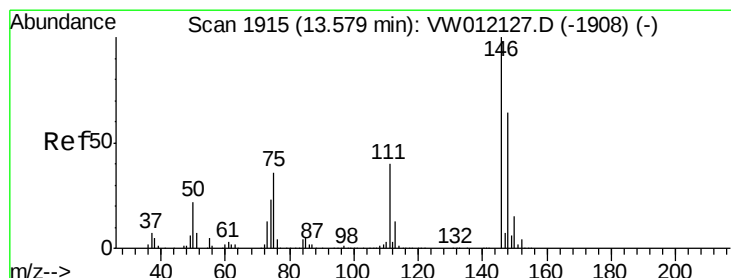
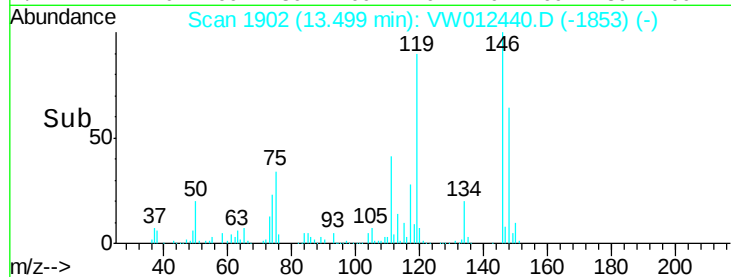
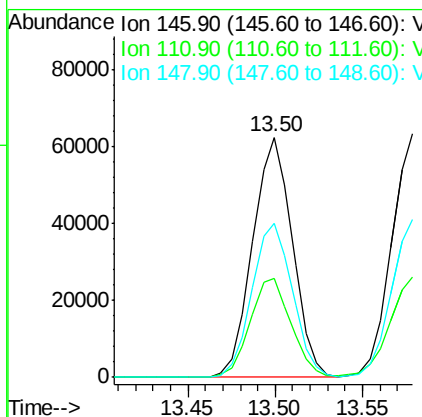
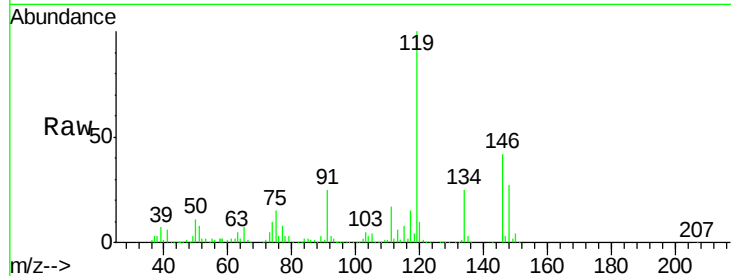
#87
 1,3-Dichlorobenzene
 Concen: 20.957 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.9	62.7
148	65.2	32.2	96.6

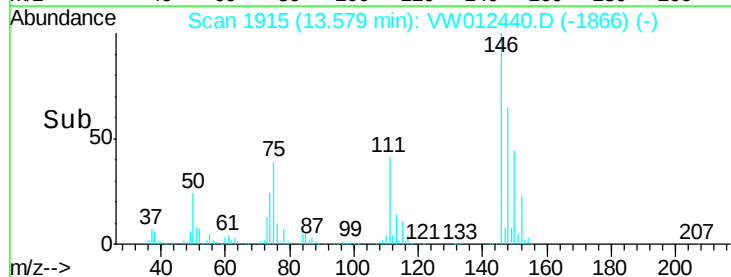
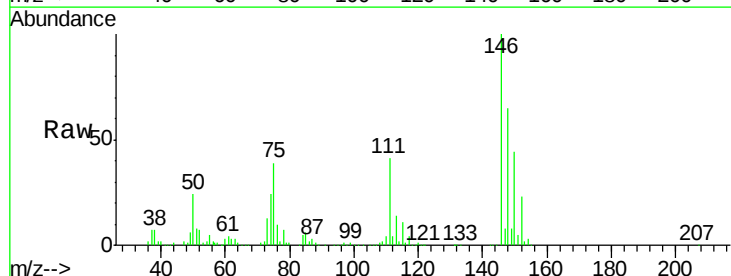
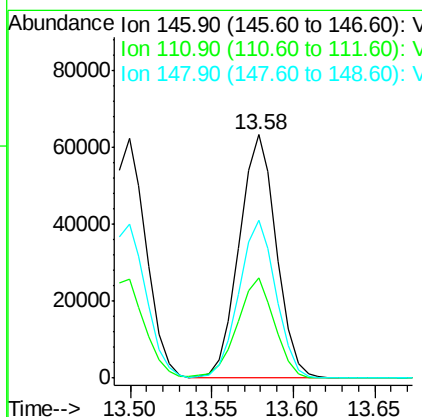
Manual Integrations
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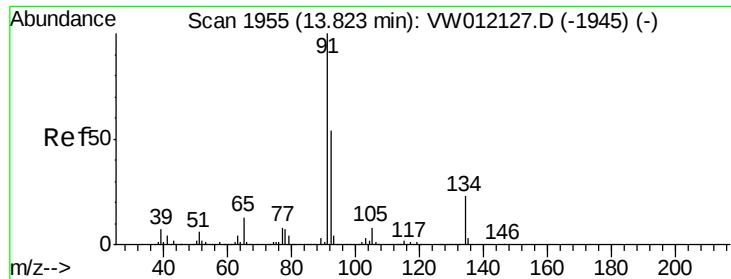
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#88
 1,4-Dichlorobenzene
 Concen: 21.436 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.0	60.0
148	64.7	32.1	96.3





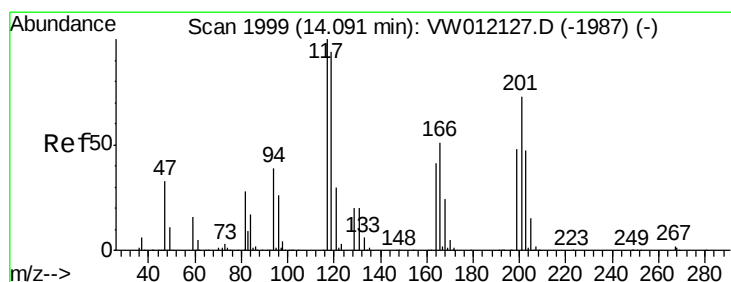
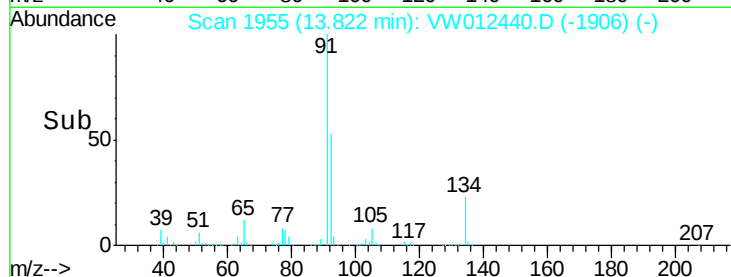
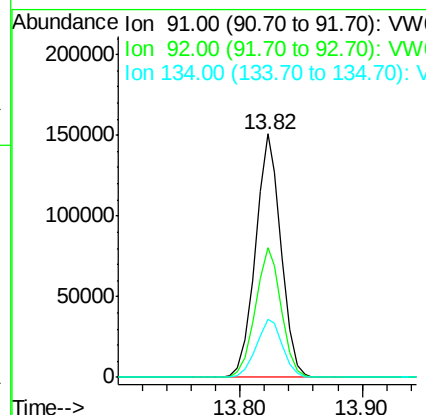
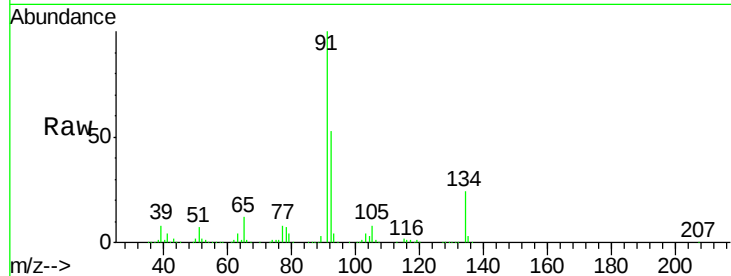
#89
n-Butylbenzene
Concen: 21.837 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	219041		
92	53.8	27.1	81.2	
134	24.5	12.2	36.4	

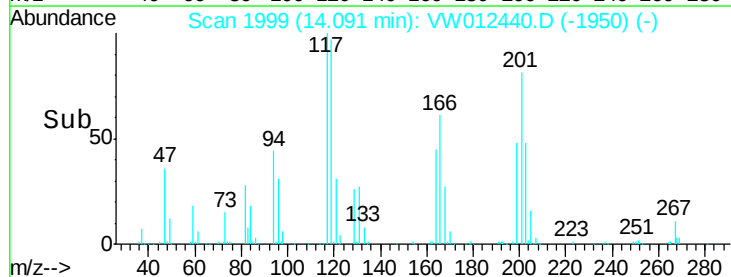
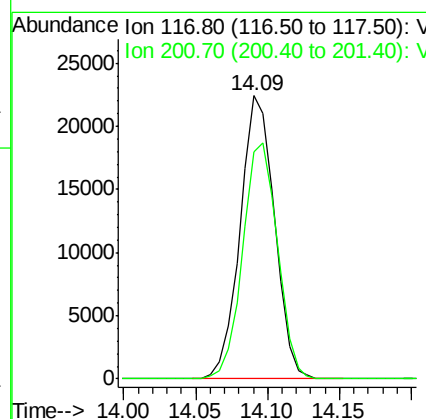
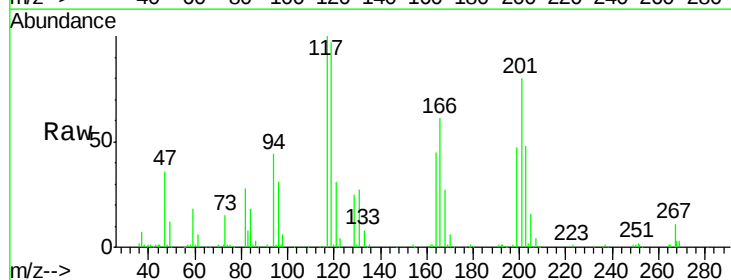
Manual Integrations
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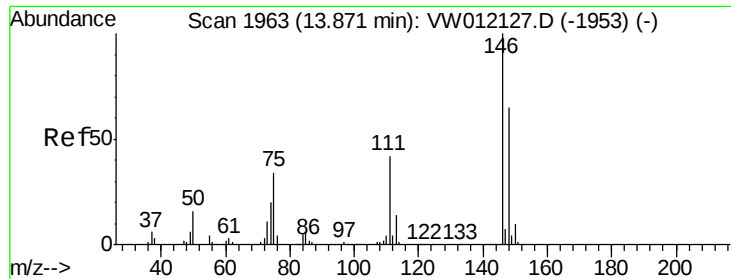
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#90
Hexachloroethane
Concen: 20.985 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37136		
201	84.1	38.6	115.7	





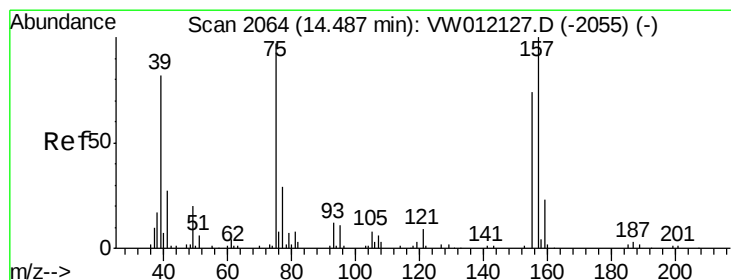
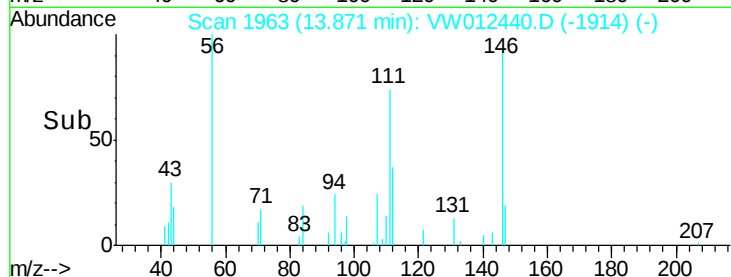
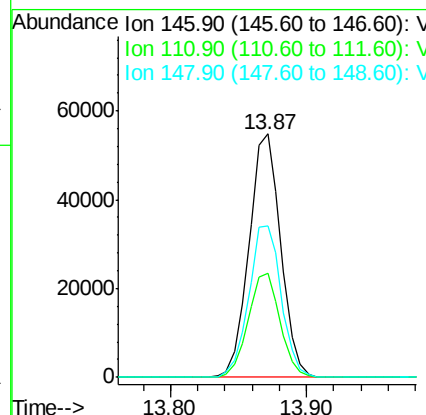
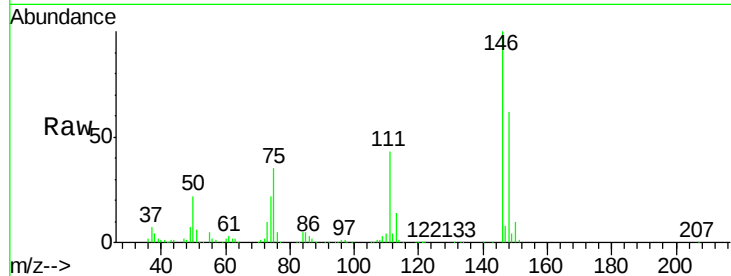
#91
 1,2-Dichlorobenzene
 Concen: 21.674 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.2	63.6
148	63.8	32.5	97.4

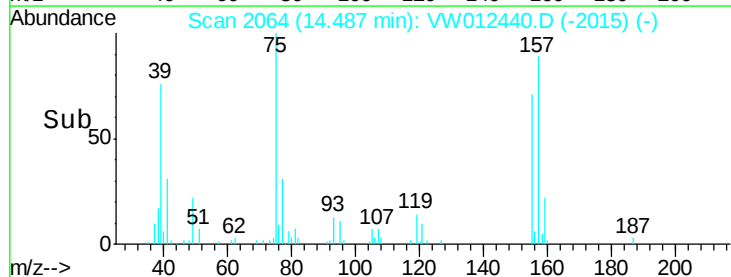
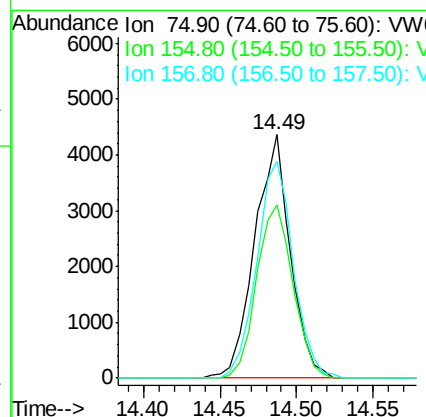
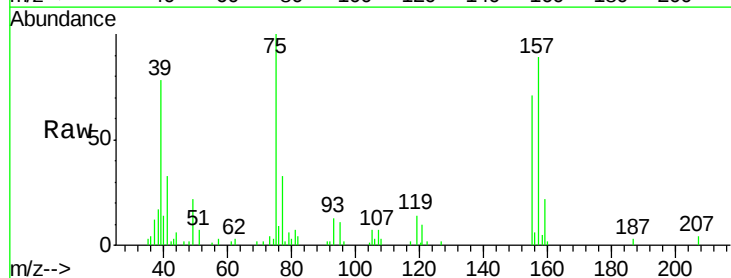
Manual Integrations
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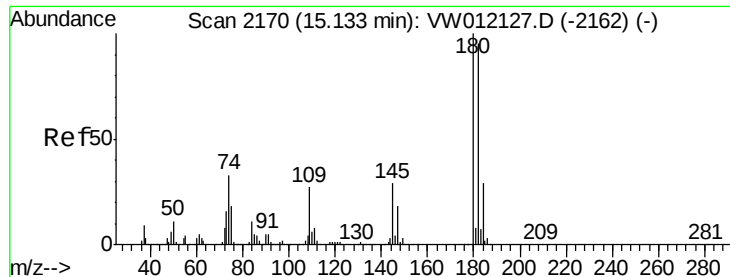
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.533 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.2	37.5	112.3
157	91.3	50.5	151.5





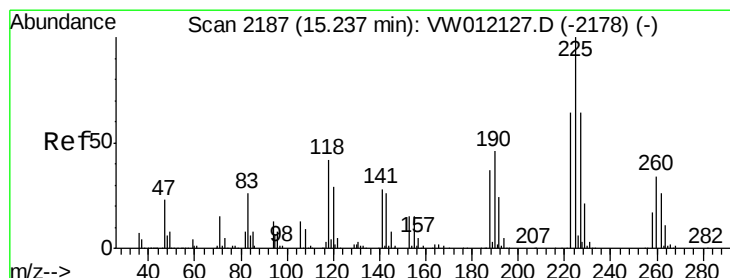
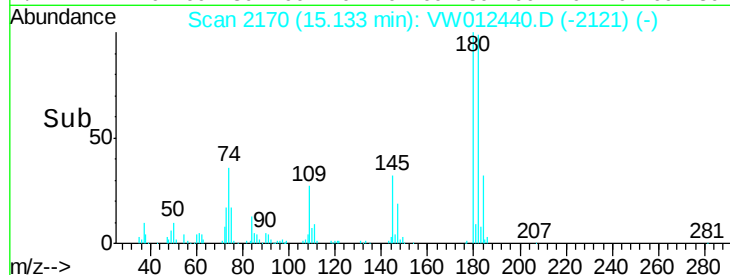
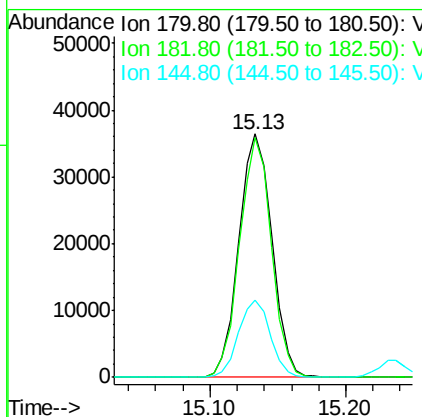
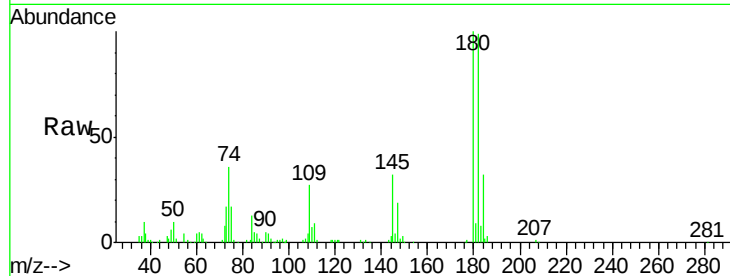
#93
 1,2,4-Trichlorobenzene
 Concen: 21.692 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	61978		
182	94.5	47.8	143.4	
145	30.6	15.0	45.1	

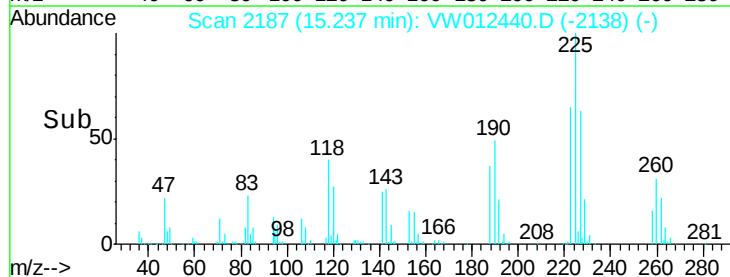
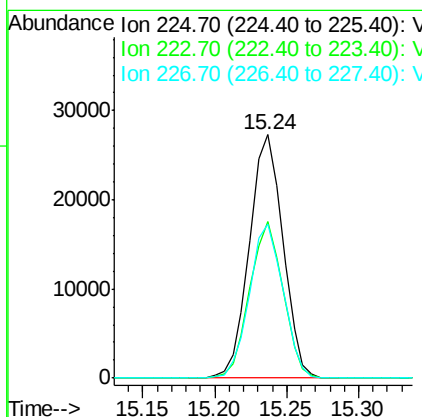
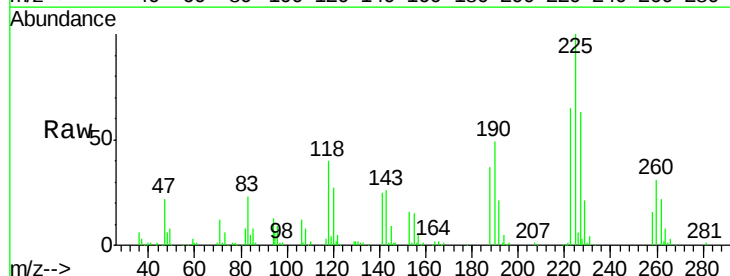
Manual Integrations
 APPROVED

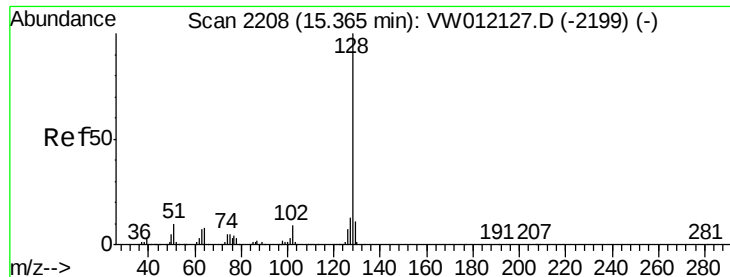
MMDadoda
 9/3/2019 10:44:20 AM



#94
 Hexachlorobutadiene
 Concen: 23.379 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012440.D
 Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44107		
223	63.6	32.3	96.8	
227	63.4	32.9	98.6	





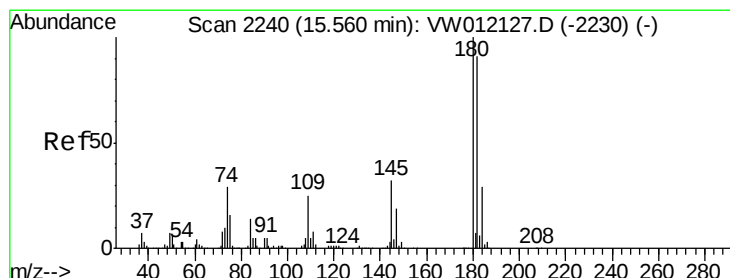
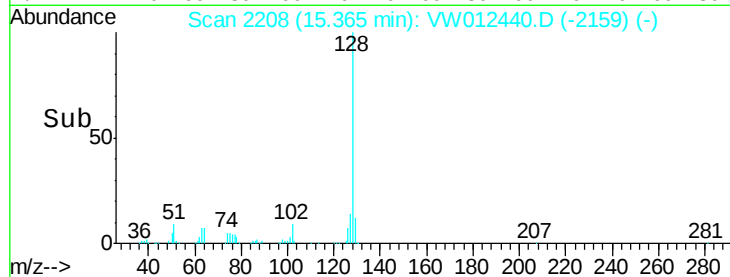
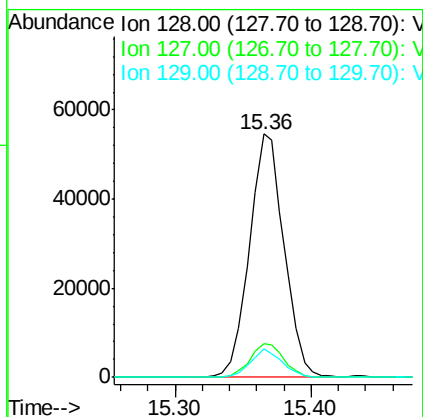
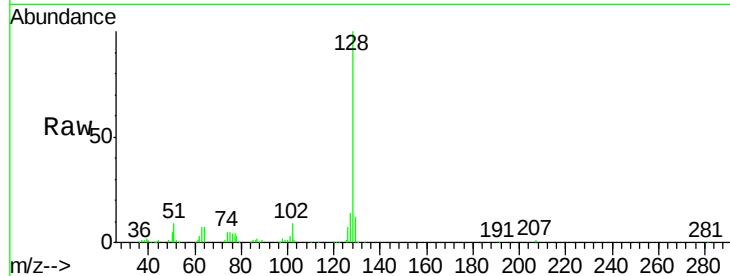
#95
Naphthalene
Concen: 20.190 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

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9/3/2019 10:44:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.466 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012440.D
Acq: 01 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.1	141.3
145	31.7	16.2	48.5

