

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\
 Data File : VW012635.D
 Acq On : 05 Sep 2019 12:40
 Operator : SY/VA
 Sample : VW0905SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:29:21 PM

Quant Time: Sep 05 16:48:39 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	237348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	369231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168396	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	139572	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	7.88	113	112716	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	10.32	98	450500	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.62	95	216603	68.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25200	17.243	ug/l	99
3) Chloromethane	2.21	50	39180	17.304	ug/l	98
4) Vinyl Chloride	2.36	62	46292	16.704	ug/l	95
5) Bromomethane	2.73	94	24564m	17.502	ug/l	
6) Chloroethane	2.90	64	26758	17.116	ug/l	98
7) Trichlorofluoromethane	3.24	101	28839	20.724	ug/l	91
8) Diethyl Ether	3.68	74	22516	17.047	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44353	18.751	ug/l	94
10) Methyl Iodide	4.27	142	58326	18.225	ug/l	98
11) Tert butyl alcohol	5.17	59	17472	102.900	ug/l	99
12) 1,1-Dichloroethene	4.03	96	42133	17.698	ug/l	98
13) Acrolein	3.89	56	9430	58.999	ug/l	96
14) Allyl chloride	4.67	41	88746	17.437	ug/l	97
15) Acrylonitrile	5.36	53	63966	97.705	ug/l	98
16) Acetone	4.12	43	64868	89.941	ug/l	99
17) Carbon Disulfide	4.38	76	100145	13.919	ug/l	98
18) Methyl Acetate	4.67	43	34395	19.254	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	82201	21.351	ug/l	96
20) Methylene Chloride	4.91	84	51942	19.050	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	46912	18.376	ug/l	95
22) Diisopropyl ether	6.31	45	194897	20.659	ug/l	95
23) Vinyl Acetate	6.25	43	571488	98.433	ug/l	100
24) 1,1-Dichloroethane	6.21	63	106059	20.647	ug/l	99
25) 2-Butanone	7.17	43	98020	100.013	ug/l	99
26) 2,2-Dichloropropane	7.16	77	65953	22.684	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	56660	20.773	ug/l	98
28) Bromochloromethane	7.51	49	44822	20.020	ug/l	97
29) Tetrahydrofuran	7.52	42	59883	101.842	ug/l	99
30) Chloroform	7.68	83	103266	21.974	ug/l	99
31) Cyclohexane	7.95	56	93920	18.481	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	86074	23.152	ug/l	96
36) 1,1-Dichloropropene	8.08	75	81106	21.257	ug/l	99
37) Ethyl Acetate	7.25	43	40797	19.512	ug/l	96
38) Carbon Tetrachloride	8.06	117	75969	23.004	ug/l	95

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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Manual Integrations
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 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)
39) Methylcyclohexane	9.34	83	89619	20.907	ug/l	98
40) Benzene	8.32	78	216079	20.740	ug/l	95
41) Methacrylonitrile	7.48	41	26116	21.252	ug/l	96
42) 1,2-Dichloroethane	8.40	62	73430	22.488	ug/l	98
43) Isopropyl Acetate	8.42	43	81972	21.165	ug/l	99
44) Trichloroethene	9.09	130	55468	21.900	ug/l	95
45) 1,2-Dichloropropane	9.37	63	58041	20.699	ug/l	98
46) Dibromomethane	9.46	93	27444	21.998	ug/l	96
47) Bromodichloromethane	9.64	83	73829	22.235	ug/l	98
48) Methyl methacrylate	9.43	41	40204	21.810	ug/l	97
49) 1,4-Dioxane	9.45	88	8265	432.746	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	210634	106.926	ug/l	99
52) Toluene	10.38	92	134397	21.473	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73336	21.683	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	85354	20.901	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39994	22.658	ug/l	98
56) Ethyl methacrylate	10.65	69	58159	22.638	ug/l	97
57) 1,3-Dichloropropane	10.93	76	72663	21.784	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	143206	108.614	ug/l	98
59) 2-Hexanone	10.97	43	151514	108.703	ug/l	99
60) Dibromochloromethane	11.13	129	44505	22.636	ug/l	98
61) 1,2-Dibromoethane	11.24	107	37191	22.616	ug/l	91
64) Tetrachloroethene	10.87	164	45883	22.413	ug/l	95
65) Chlorobenzene	11.66	112	137543	22.121	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	50254	23.168	ug/l	98
67) Ethyl Benzene	11.73	91	272851	22.781	ug/l	97
68) m/p-Xylenes	11.84	106	192434	44.603	ug/l	99
69) o-Xylene	12.16	106	91044	22.800	ug/l	98
70) Styrene	12.18	104	160496	23.221	ug/l	99
71) Bromoform	12.35	173	26024	24.081	ug/l #	96
73) Isopropylbenzene	12.46	105	261102	20.693	ug/l	98
74) N-amyl acetate	12.27	43	79434	20.836	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	67944	29.371	ug/l	75
76) 1,2,3-Trichloropropane	12.77	75	38110m	23.237	ug/l	
77) Bromobenzene	12.75	156	55828	20.451	ug/l	90
78) n-propylbenzene	12.80	91	315815	20.502	ug/l	99
79) 2-Chlorotoluene	12.89	91	180247	20.610	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	223855	21.231	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13667	18.271	ug/l	94
82) 4-Chlorotoluene	12.99	91	187154	20.438	ug/l	100
83) tert-Butylbenzene	13.21	119	193696	21.687	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	218840	20.662	ug/l	99
85) sec-Butylbenzene	13.38	105	276344	21.596	ug/l	97
86) p-Isopropyltoluene	13.50	119	250333	21.906	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	110800	20.751	ug/l	95
88) 1,4-Dichlorobenzene	13.58	146	113935m	21.491	ug/l	
89) n-Butylbenzene	13.82	91	251585	22.139	ug/l	99
90) Hexachloroethane	14.09	117	37119	18.514	ug/l	81
91) 1,2-Dichlorobenzene	13.87	146	98219	20.969	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7882	20.211	ug/l #	60

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ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId :
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Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	15.13	180	73420	22.682	ug/l	99
94) Hexachlorobutadiene	15.24	225	51728	24.202	ug/l	99
95) Naphthalene	15.36	128	132541	23.384	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	63091	22.340	ug/l	94

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

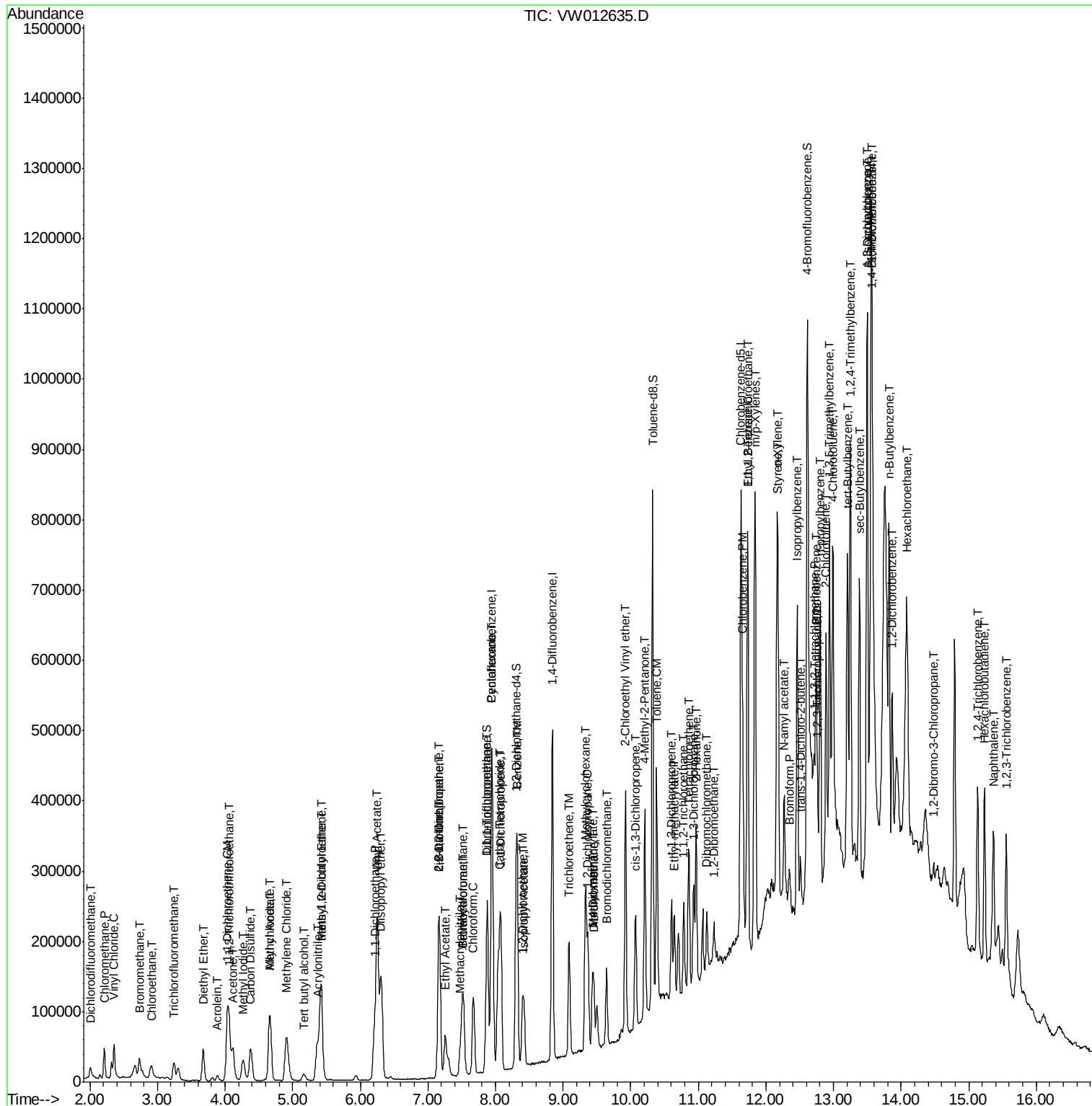
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090519\
 Data File : VW012635.D
 Acq On : 05 Sep 2019 12:40
 Operator : SY/VA
 Sample : VW0905SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

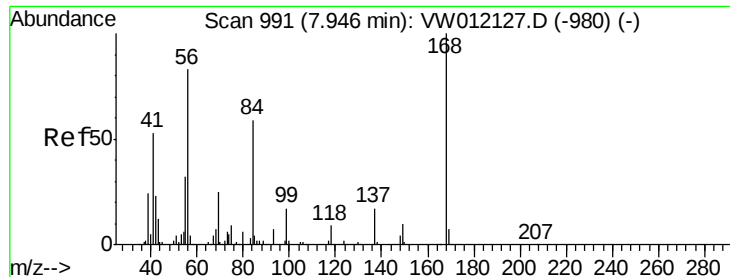
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS02

Manual Integrations
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS02

Tot Ion:168 Resp: 237348

Ion Ratio Lower Upper

168 100

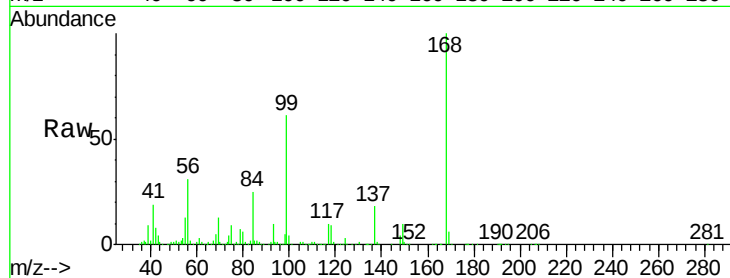
99 61.1 49.2 73.8

Manual Integrations

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9/6/2019 12:29:21 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

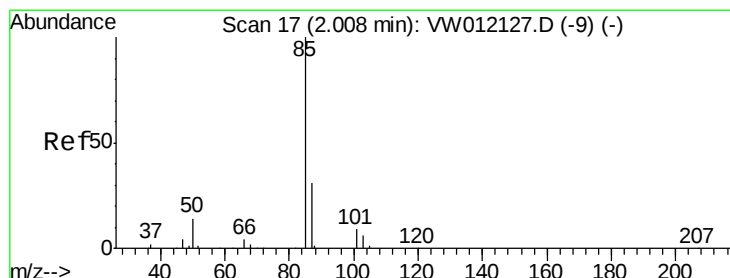
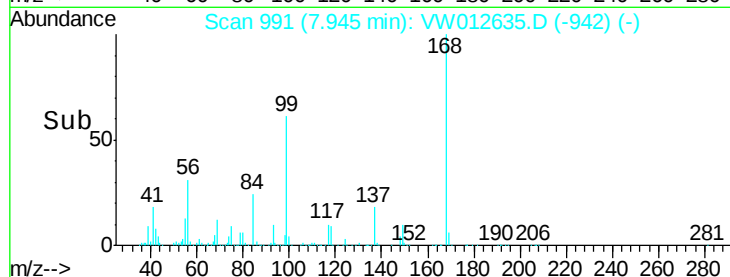
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 17.243 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012635.D

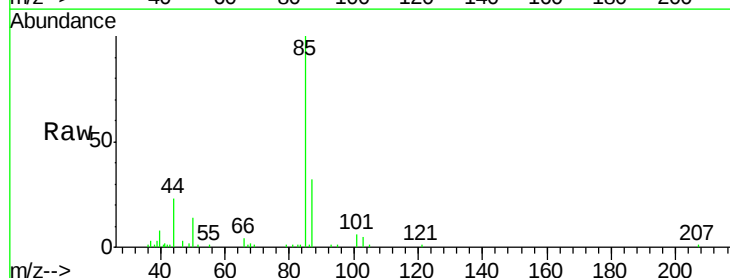
Acq: 05 Sep 2019 12:40

Tgt Ion: 85 Resp: 25200

Ion Ratio Lower Upper

85 100

87 31.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

4000

2000

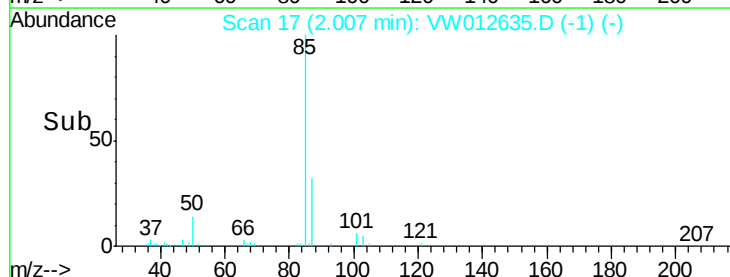
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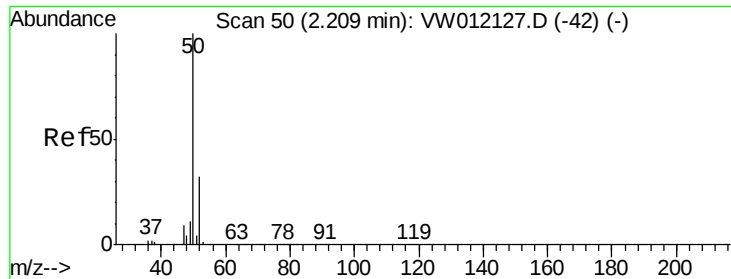
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 17.304 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS02

Tot Ion: 50 Resp: 39180

Ion Ratio Lower Upper

50 100

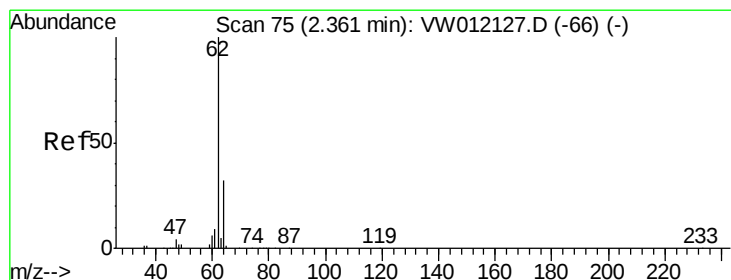
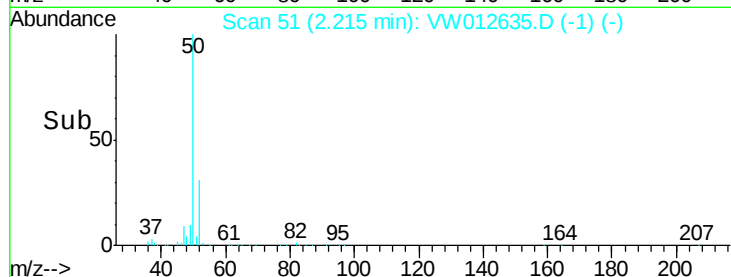
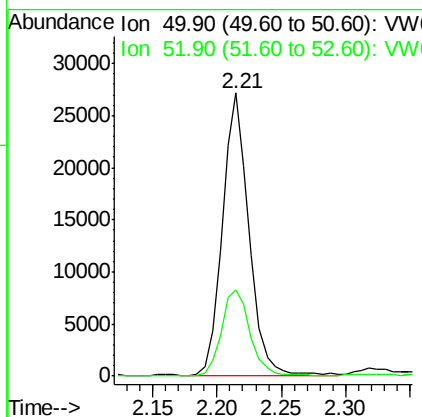
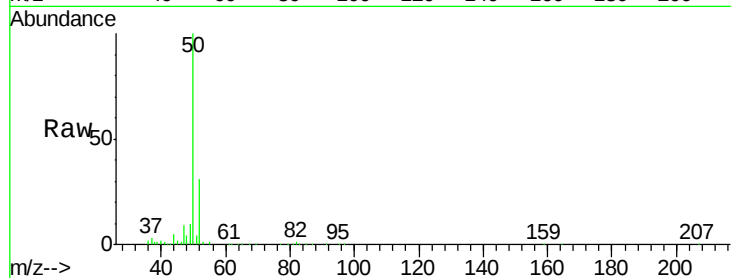
52 30.6 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.704 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012635.D

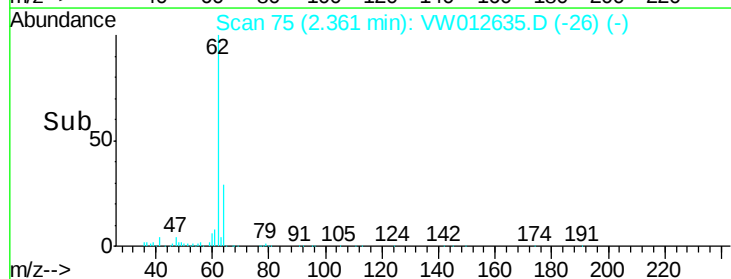
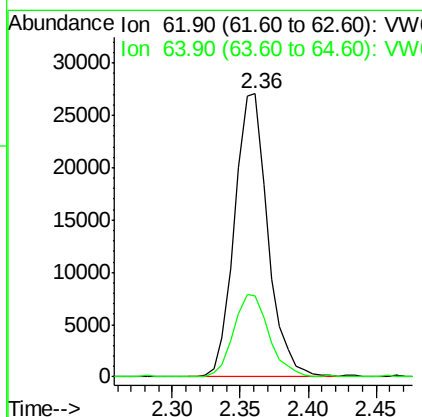
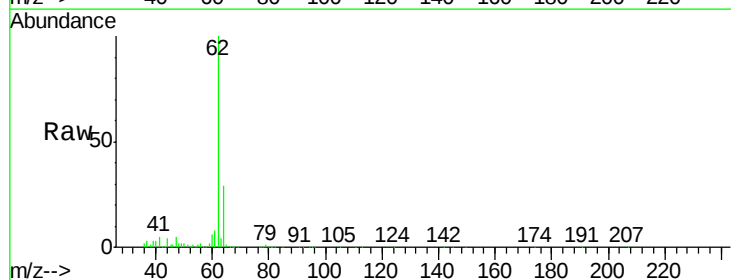
Acq: 05 Sep 2019 12:40

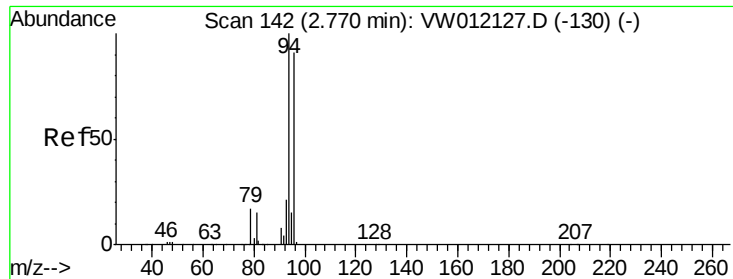
Tgt Ion: 62 Resp: 46292

Ion Ratio Lower Upper

62 100

64 28.6 25.3 37.9





#5

Bromomethane

Concen: 17.502 ug/l m

RT: 2.73 min Scan# 136

Delta R.T. -0.04 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS02

Tot Ion: 94 Resp: 24564

Ion Ratio Lower Upper

94 100

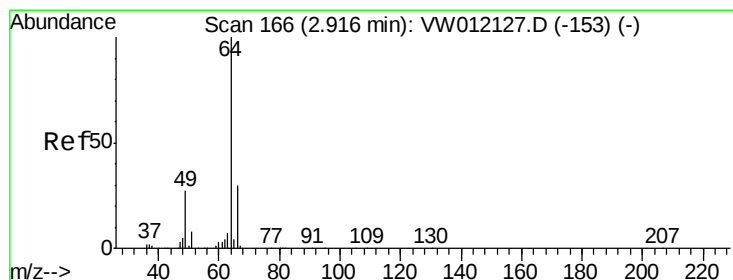
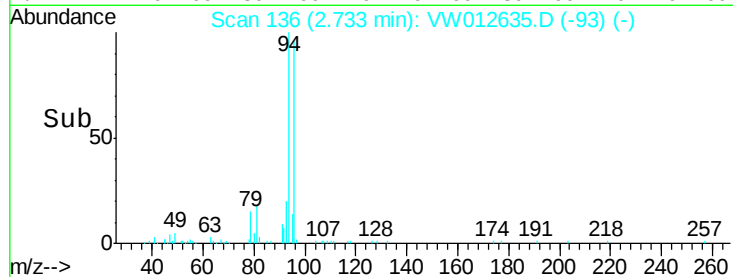
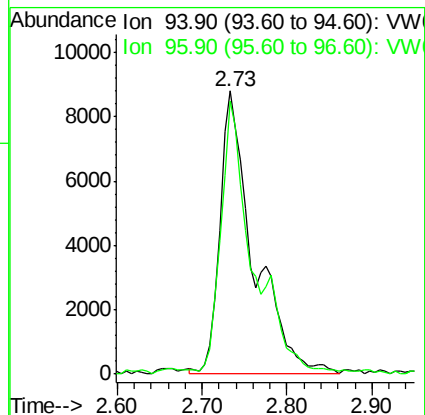
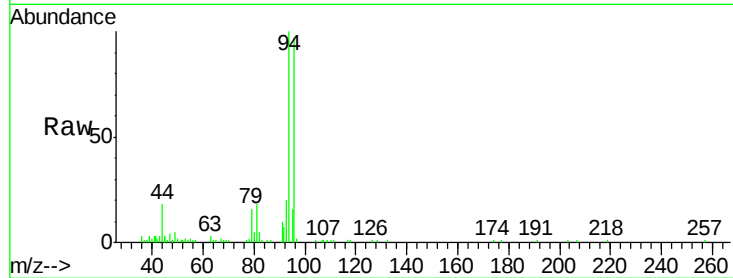
96 96.5 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 17.116 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012635.D

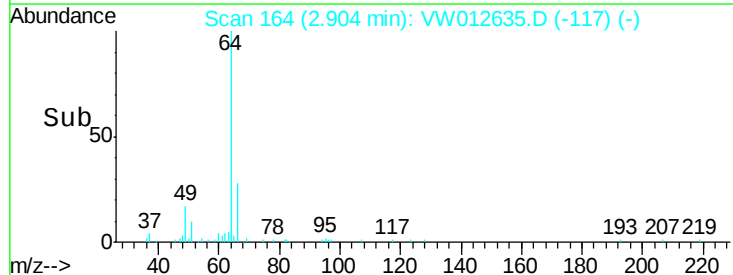
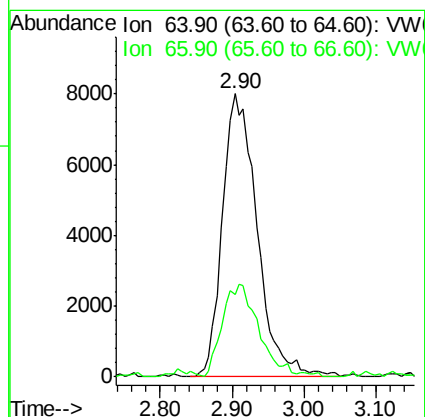
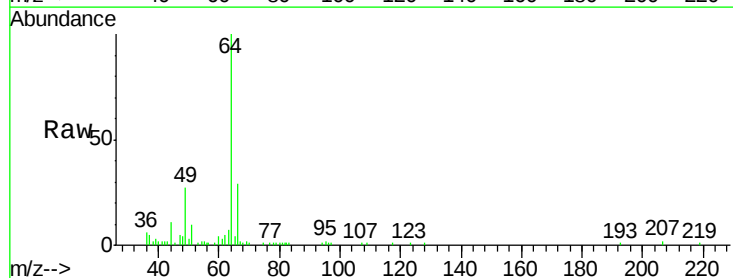
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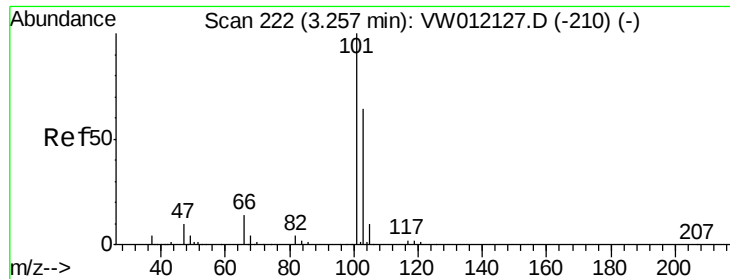
Tgt Ion: 64 Resp: 26758

Ion Ratio Lower Upper

64 100

66 28.9 23.8 35.8





#7

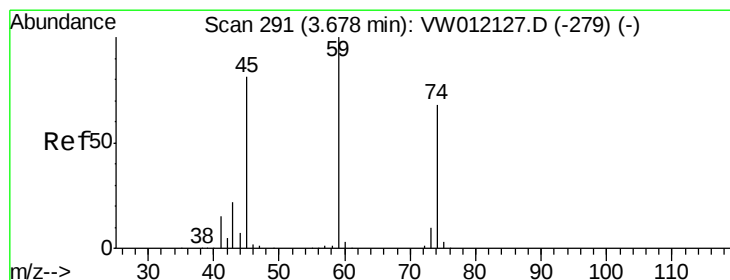
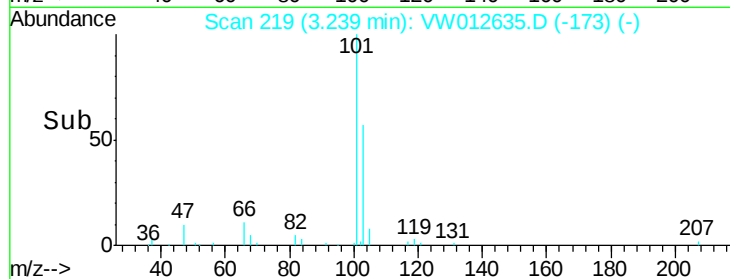
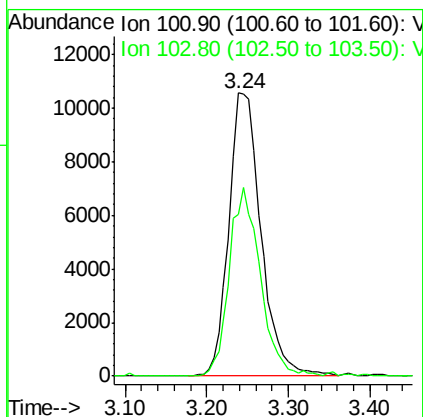
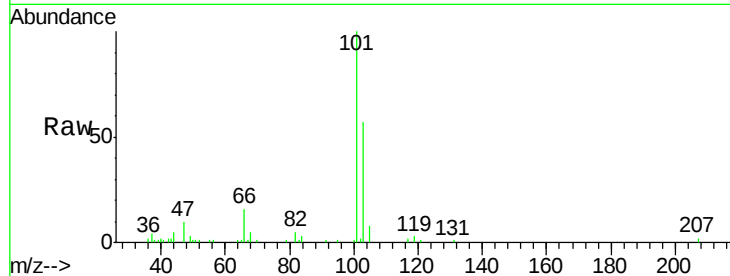
Trichlorofluoromethane
 Concen: 20.724 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.0	51.2	76.8

Manual Integrations
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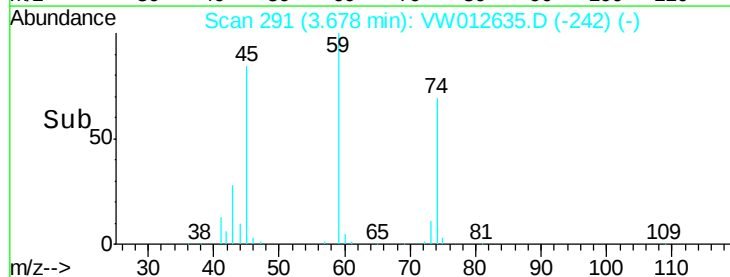
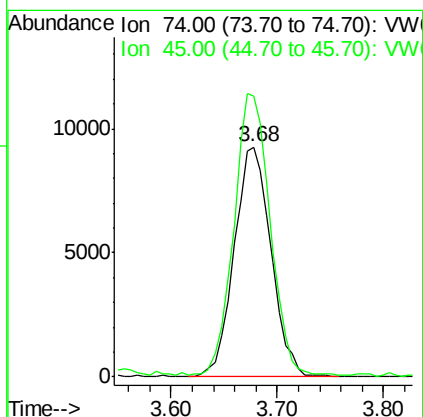
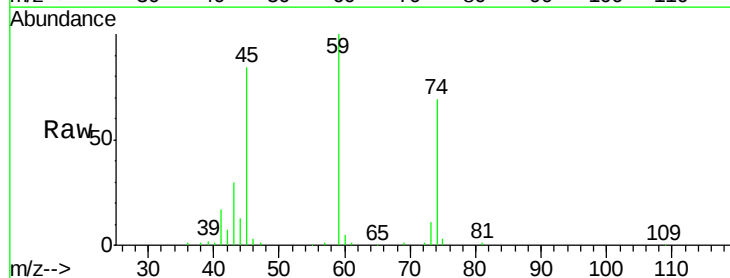
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 9/6/2019 12:29:21 PM

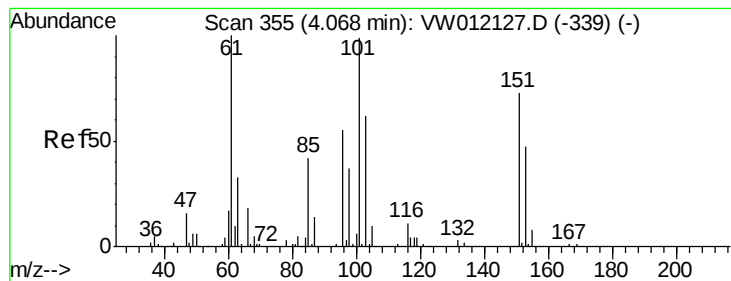


#8

Diethyl Ether
 Concen: 17.047 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.9	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.751 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

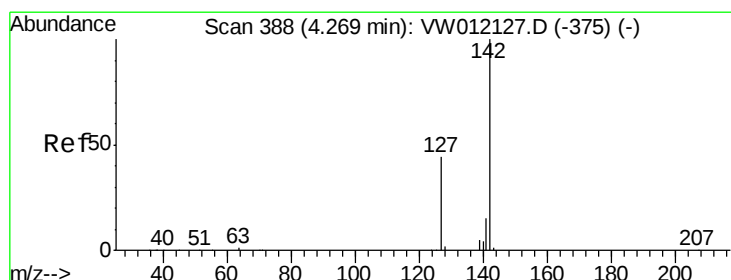
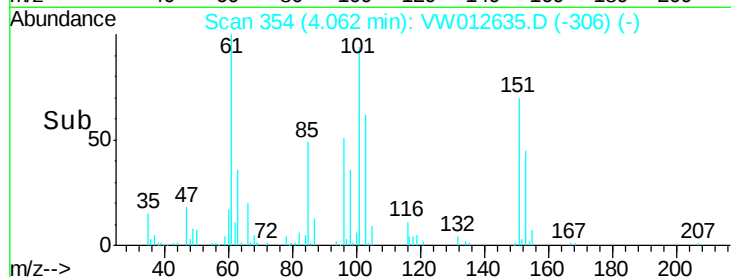
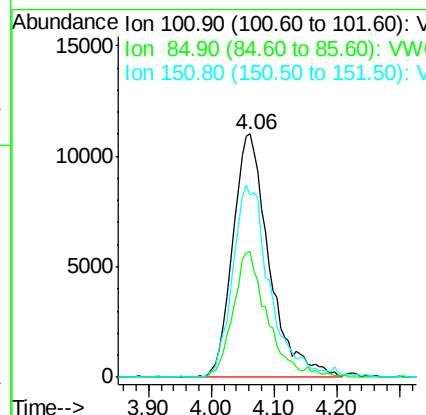
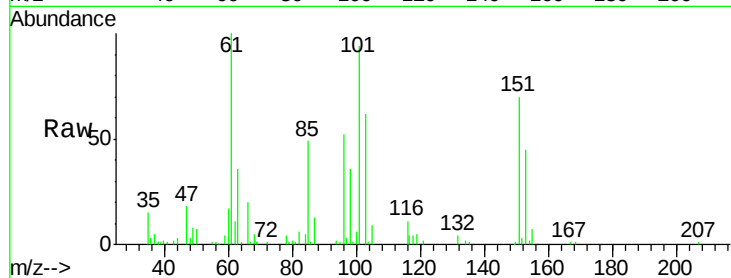
ClientSampleId :

VW0905SBS02

Tot Ion:	101	Resp:	44353
Ion Ratio	Lower	Upper	
101	100		
85	46.8	35.8	53.6
151	79.6	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.225 ug/l

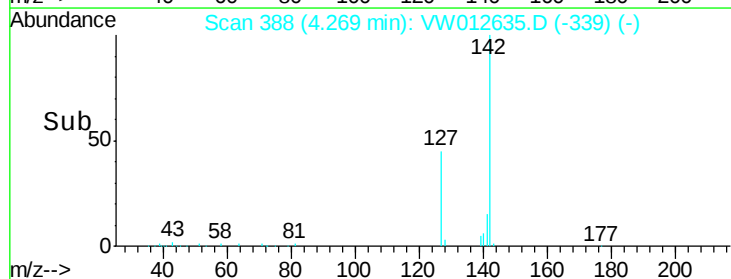
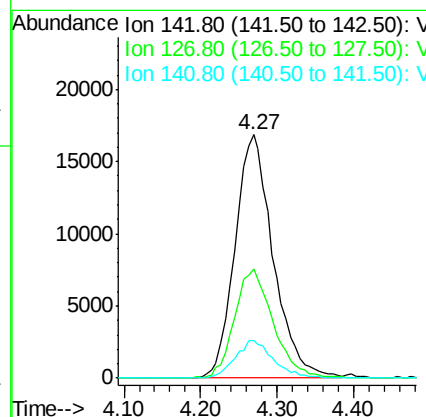
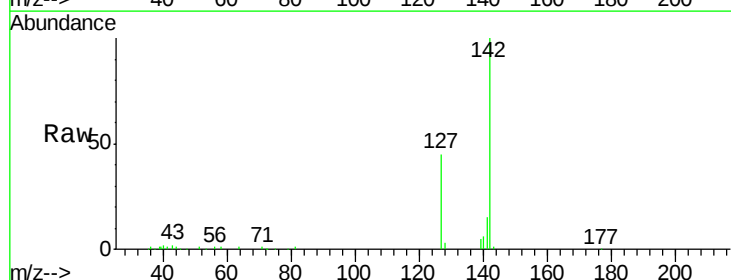
RT: 4.27 min Scan# 388

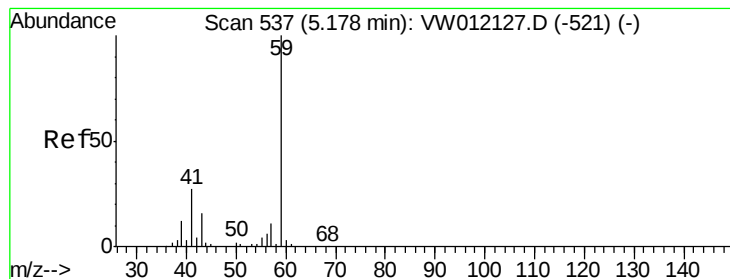
Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Tgt Ion:	142	Resp:	58326
Ion Ratio	Lower	Upper	
142	100		
127	45.6	35.5	53.3
141	15.3	11.8	17.8





#11

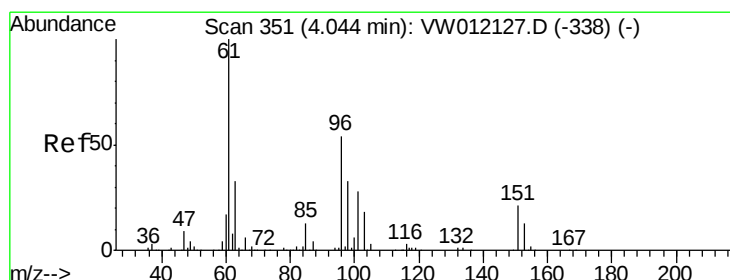
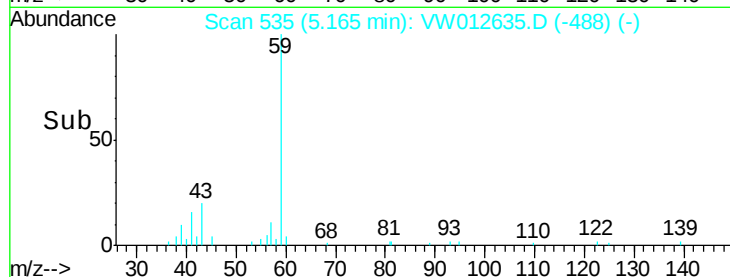
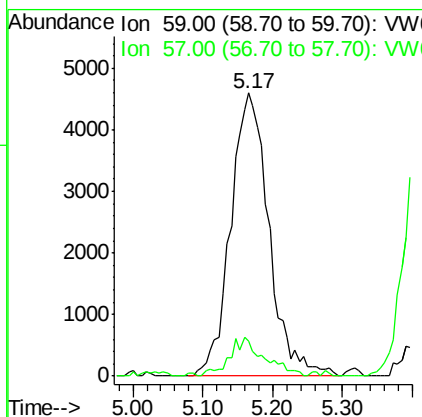
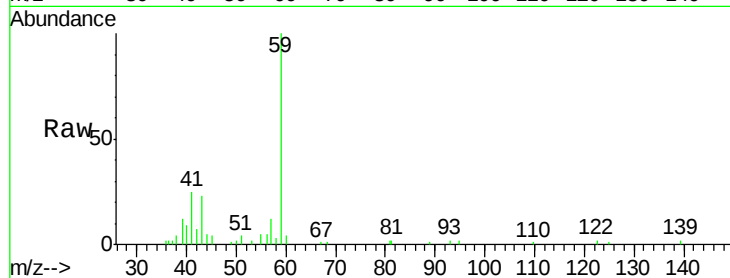
Tert butyl alcohol
 Concen: 102.900 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Instrument :
 MSVOA_W
 ClientSampled :
 VW0905SBS02

Tot Ion	59	Resp	17472
Ion Ratio	Lower	Upper	
59	100		
57	11.7	9.0	13.4

Manual Integrations
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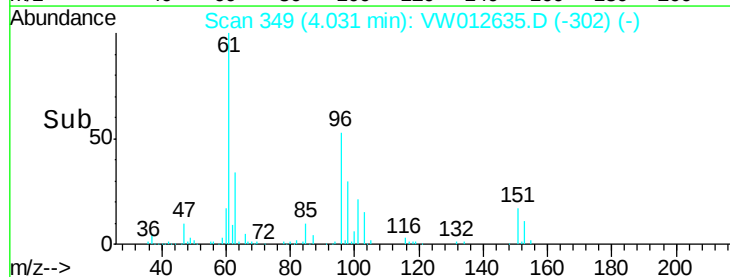
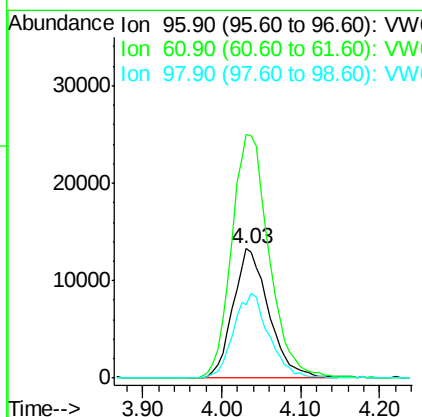
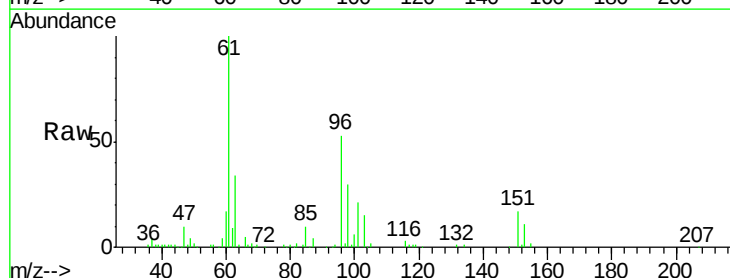
MMDadoda
 9/6/2019 12:29:21 PM

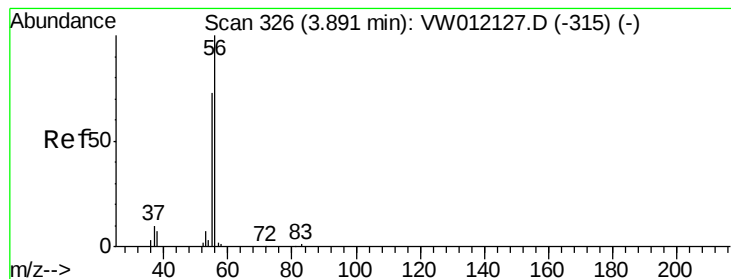


#12

1,1-Dichloroethene
 Concen: 17.698 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Tgt Ion	96	Resp	42133
Ion Ratio	Lower	Upper	
96	100		
61	187.9	149.1	223.7
98	57.1	49.4	74.2





#13

Acrolein

Concen: 58.999 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS02

Tot Ion: 56 Resp: 9430

Ion Ratio Lower Upper

56 100

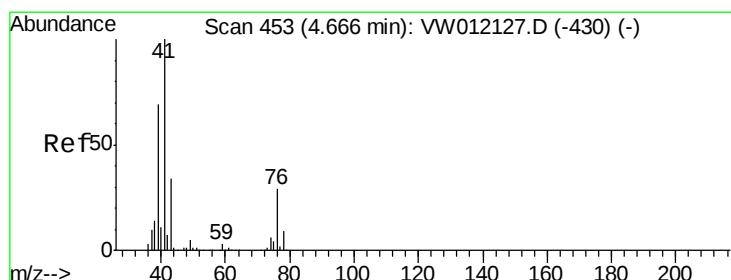
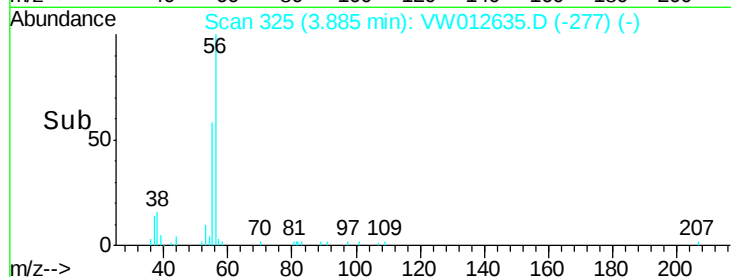
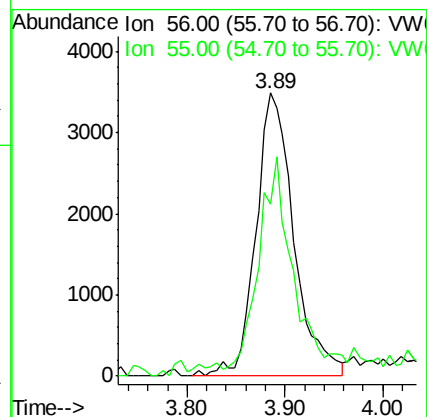
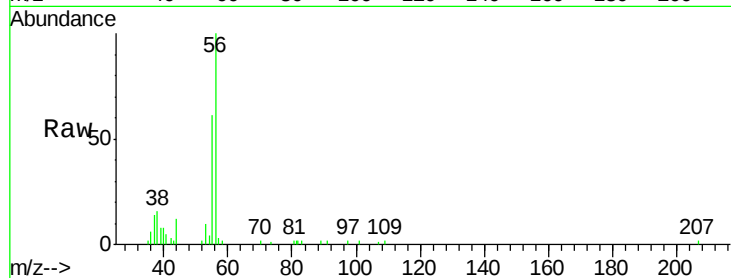
55 66.4 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 17.437 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

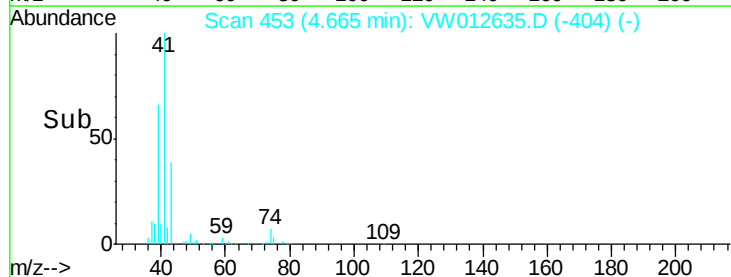
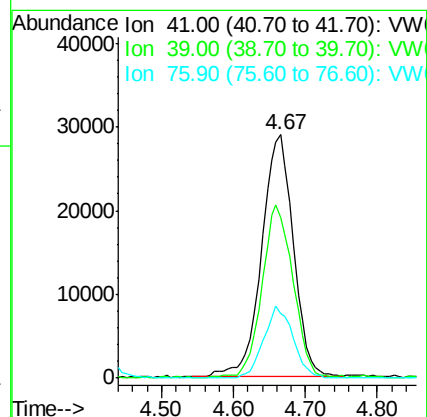
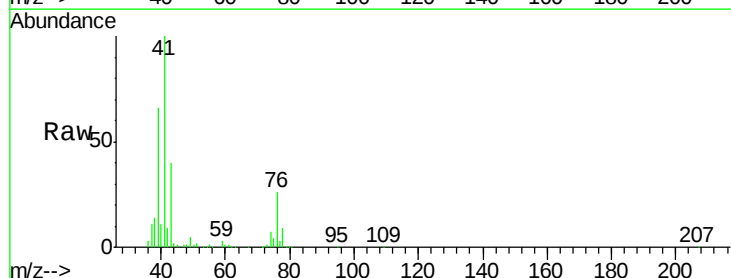
Tgt Ion: 41 Resp: 88746

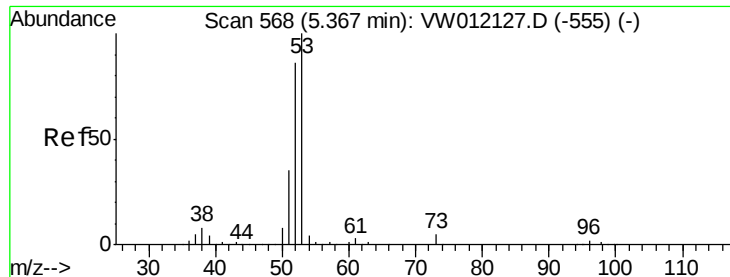
Ion Ratio Lower Upper

41 100

39 69.7 53.4 80.2

76 27.5 22.1 33.1





#15

Acrylonitrile

Concen: 97.705 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

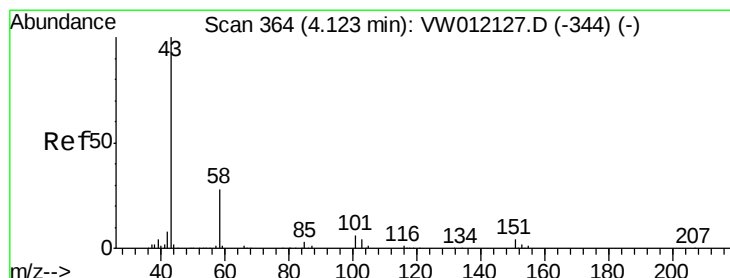
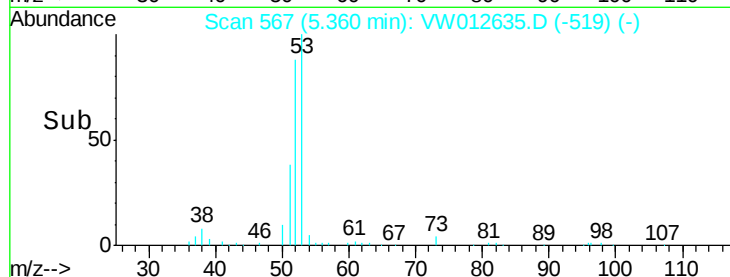
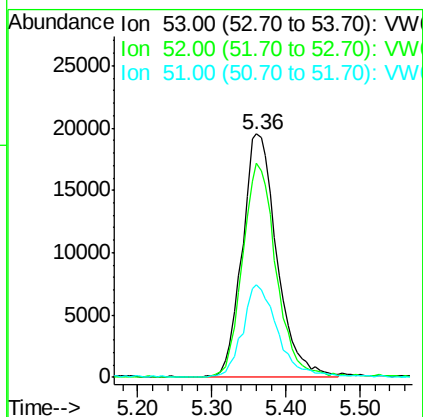
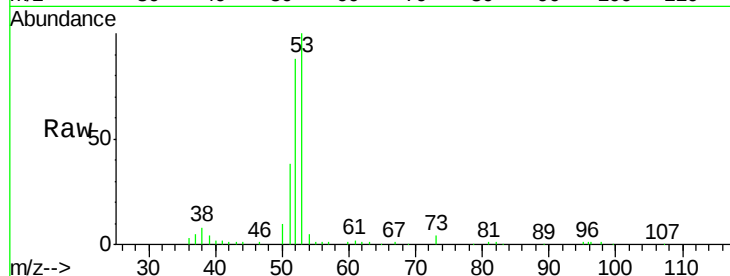
ClientSampleId :

VW0905SBS02

Tot Ion:	53	Resp:	63966
Ion	Ratio	Lower	Upper
53	100		
52	85.2	66.7	100.1
51	38.6	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 89.941 ug/l

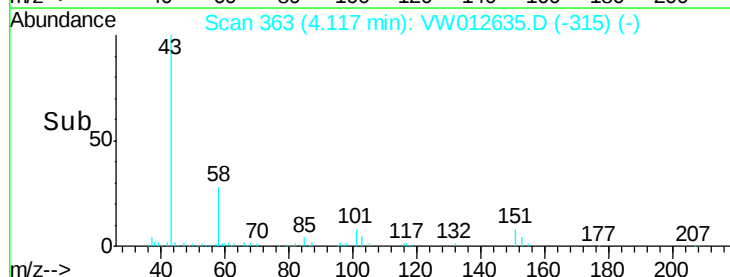
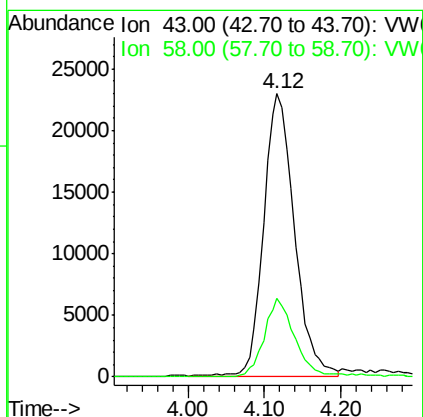
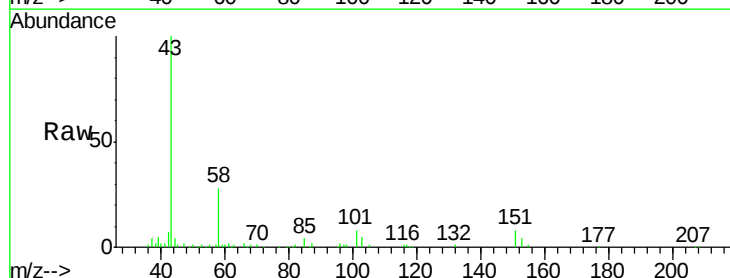
RT: 4.12 min Scan# 363

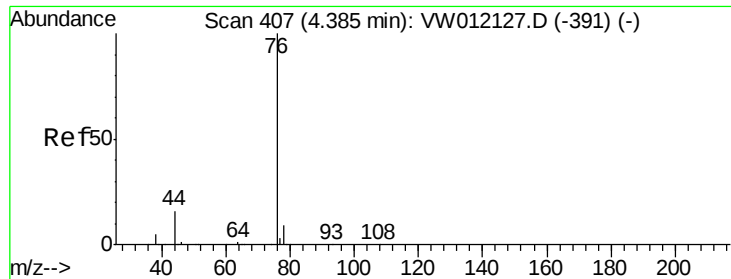
Delta R.T. -0.01 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Tgt Ion:	43	Resp:	64868
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.4	33.6





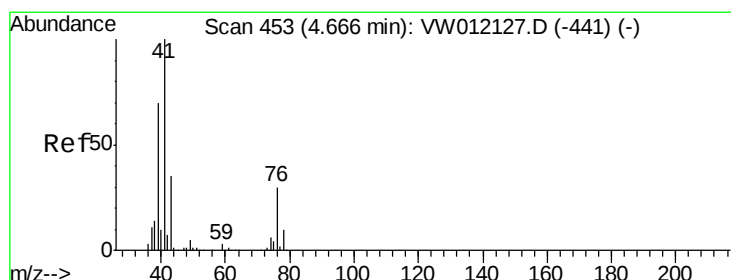
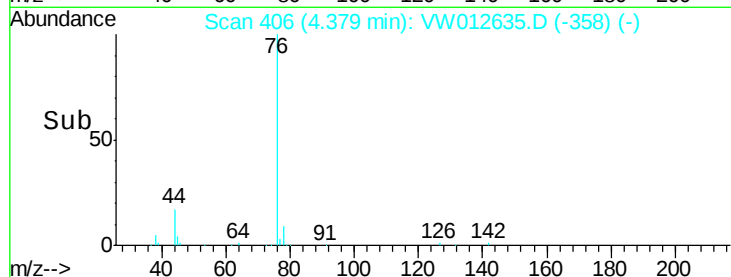
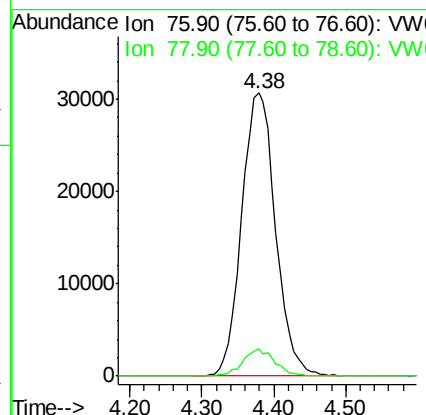
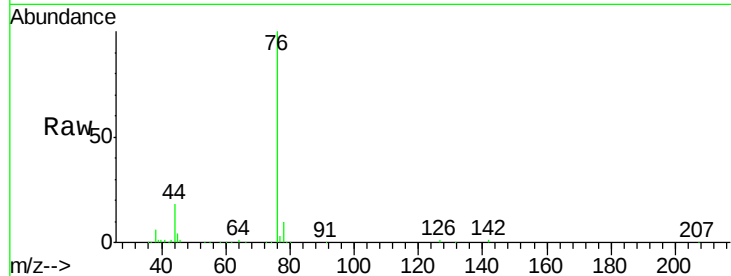
#17
Carbon Disulfide
Concen: 13.919 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.3	10.9

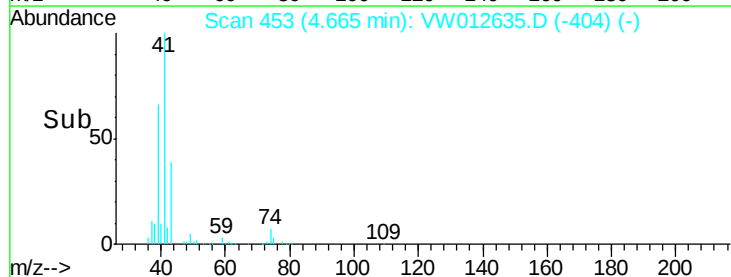
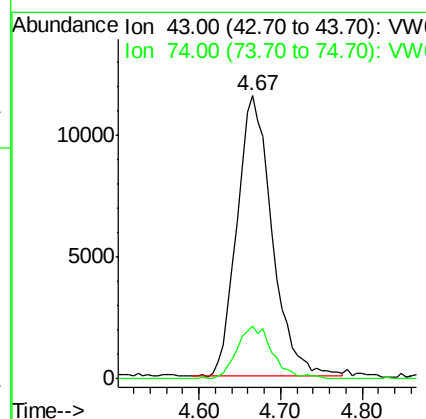
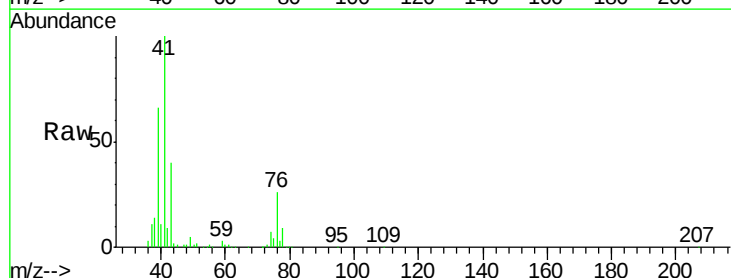
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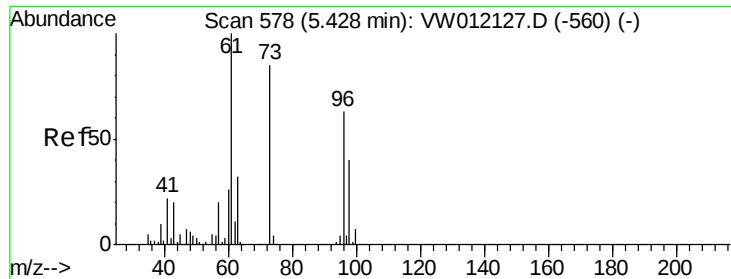
MMDadoda
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#18
Methyl Acetate
Concen: 19.254 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.6	15.7	23.5





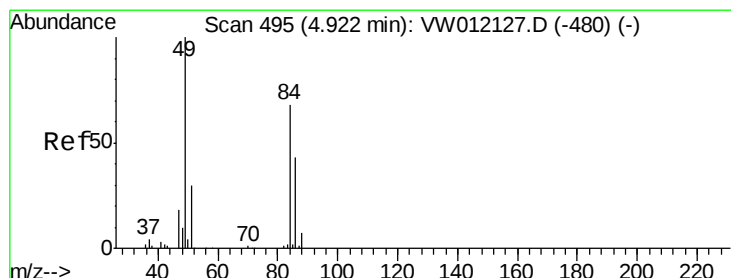
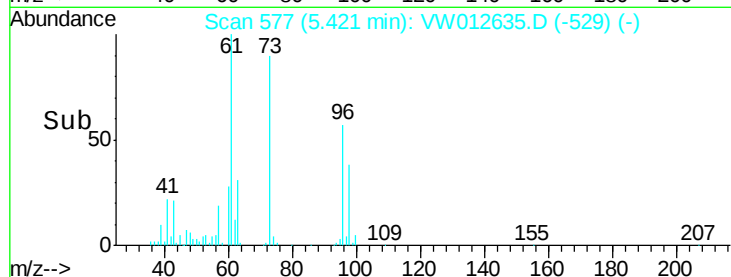
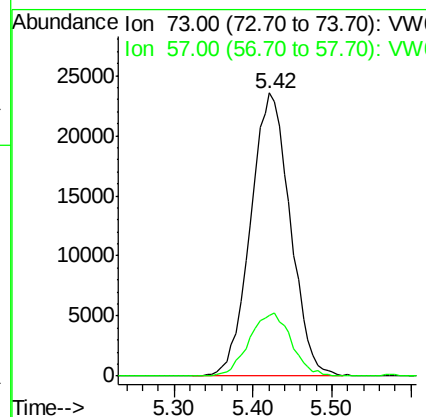
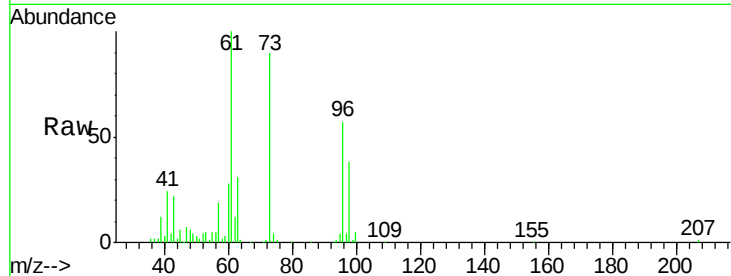
#19
Methvl tert-butvl Ether
Concen: 21.351 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS02

Tot Ion: 73 Resp: 82201
Ion Ratio Lower Upper
73 100
57 21.6 18.9 28.3

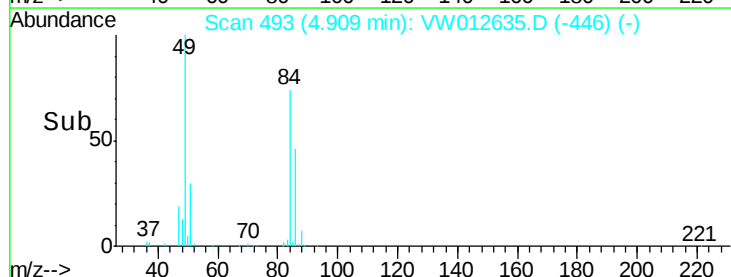
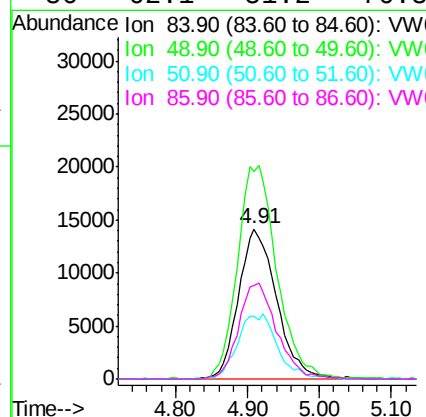
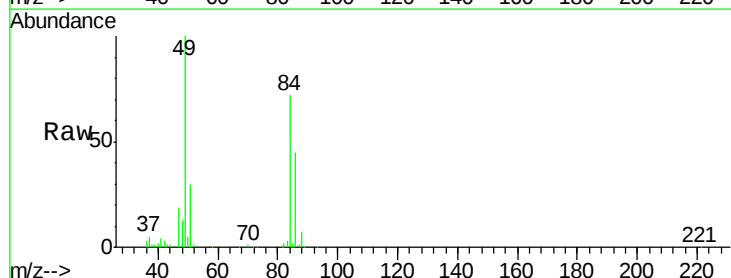
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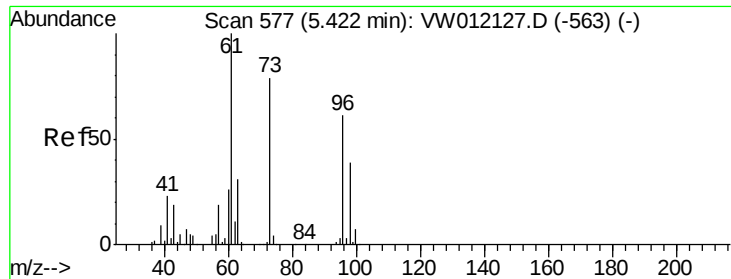
MMDadoda
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#20
Methylene Chloride
Concen: 19.050 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Tgt Ion: 84 Resp: 51942
Ion Ratio Lower Upper
84 100
49 138.2 117.8 176.8
51 41.6 35.6 53.4
86 62.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.376 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

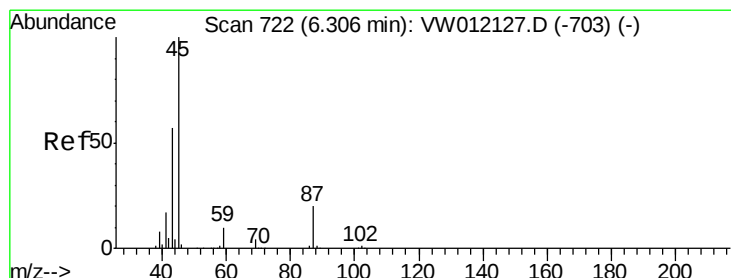
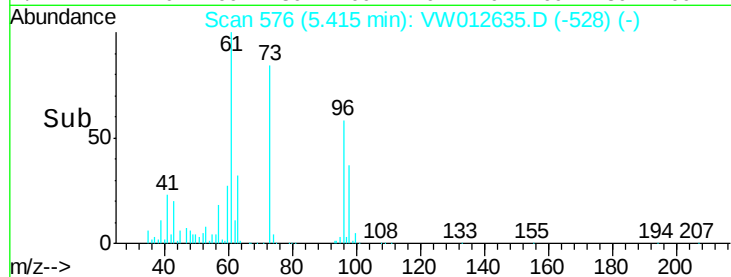
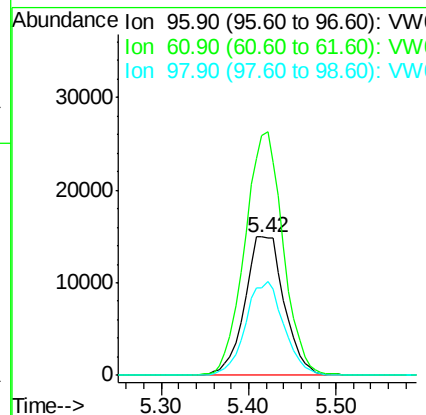
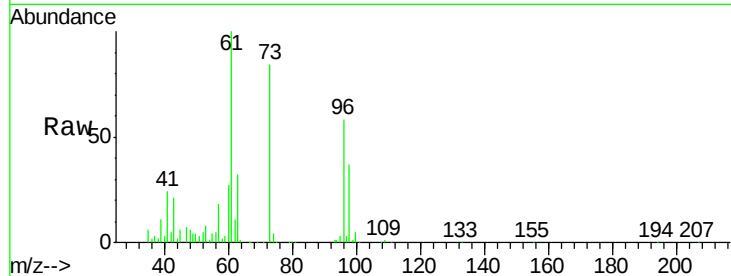
ClientSampleId :

VW0905SBS02

Tot Ion:	96	Resp:	46912
Ion	Ratio	Lower	Upper
96	100		
61	173.5	131.4	197.0
98	63.3	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.659 ug/l

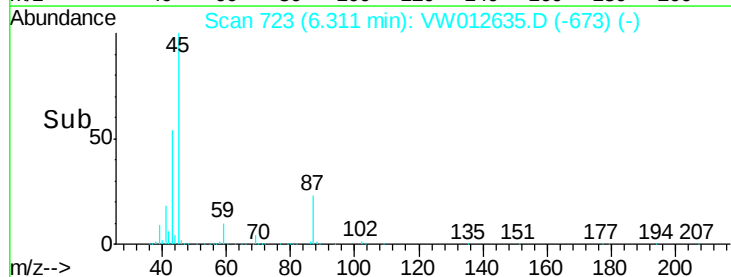
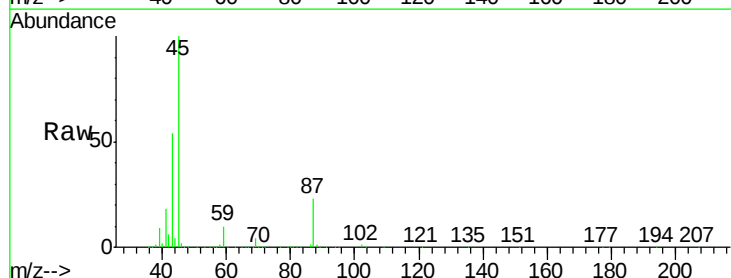
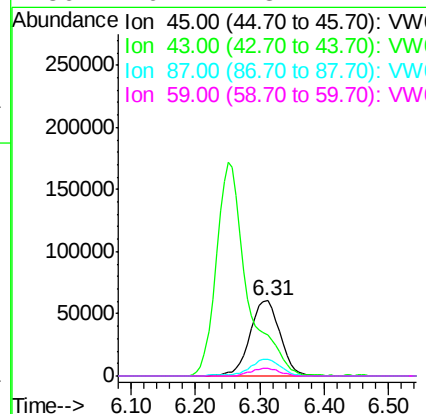
RT: 6.31 min Scan# 723

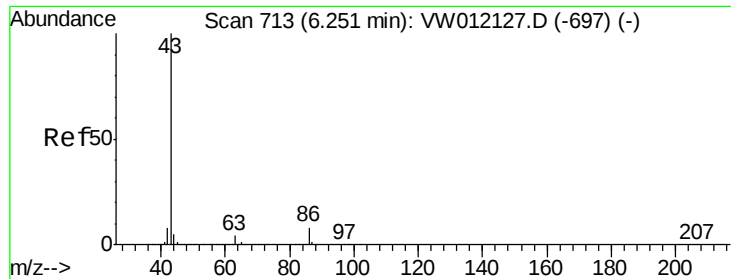
Delta R.T. 0.01 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Tgt Ion:	45	Resp:	194897
Ion	Ratio	Lower	Upper
45	100		
43	53.2	45.5	68.3
87	22.7	16.1	24.1
59	10.1	8.2	12.2





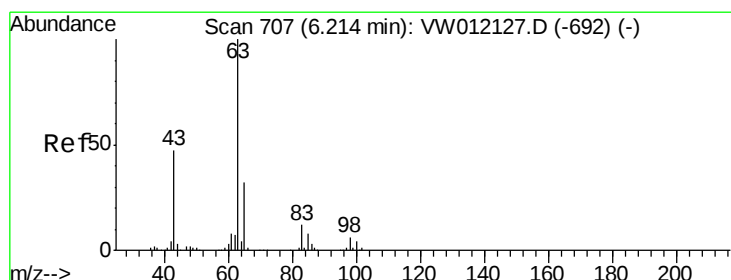
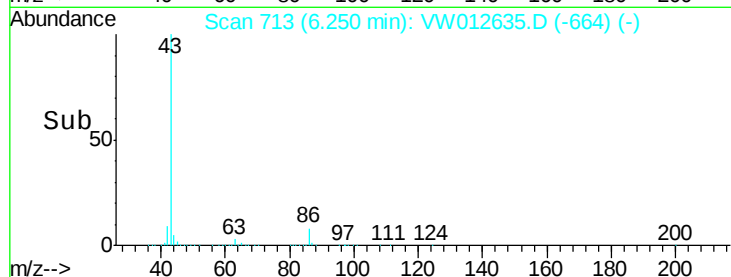
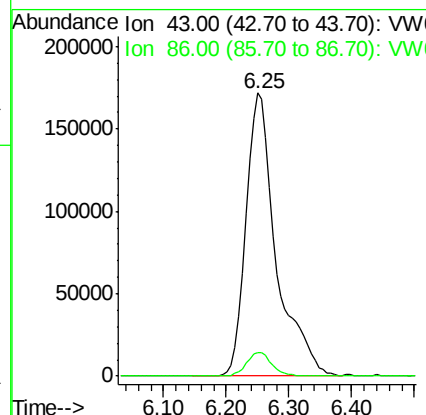
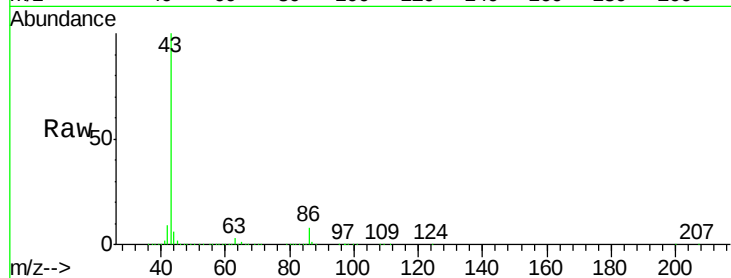
#23
 Vinyl Acetate
 Concen: 98.433 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS02

Tot Ion	Ratio	Resp	Lower	Upper
43	100	571488		
86	8.2		6.5	9.7

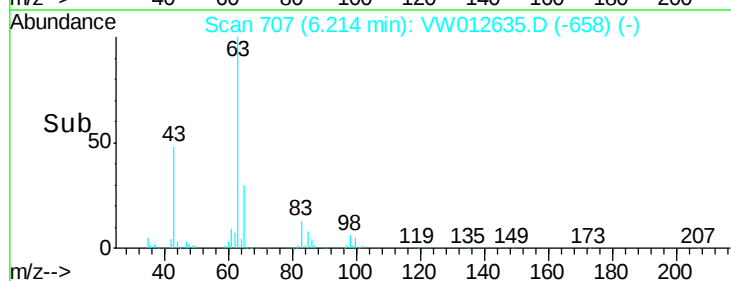
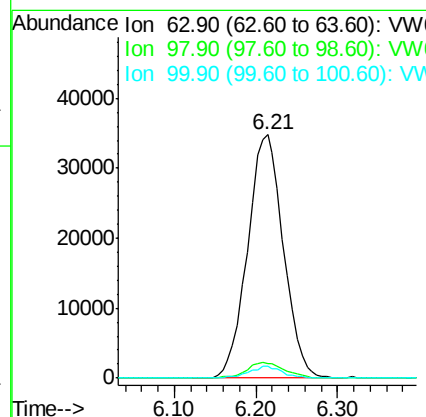
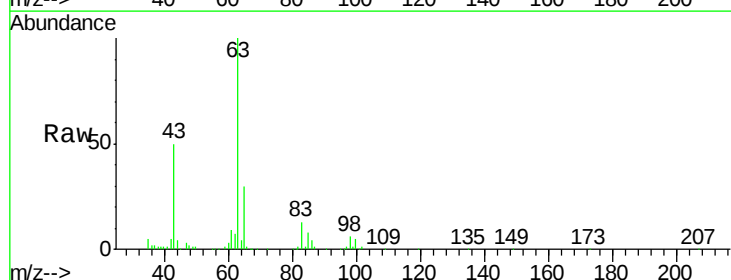
Manual Integrations
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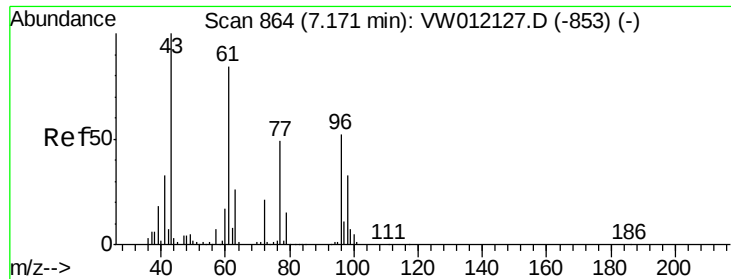
MMDadoda
 9/6/2019 12:29:21 PM



#24
 1,1-Dichloroethane
 Concen: 20.647 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	106059		
98	6.1		3.0	9.2
100	4.9		2.0	6.0





#25

2-Butanone

Concen: 100.013 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS02

Tot Ion: 43 Resp: 98020

Ion Ratio Lower Upper

43 100

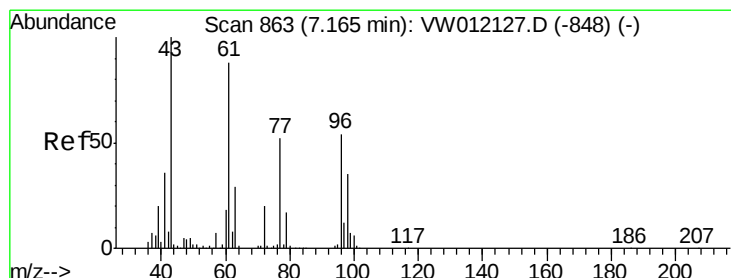
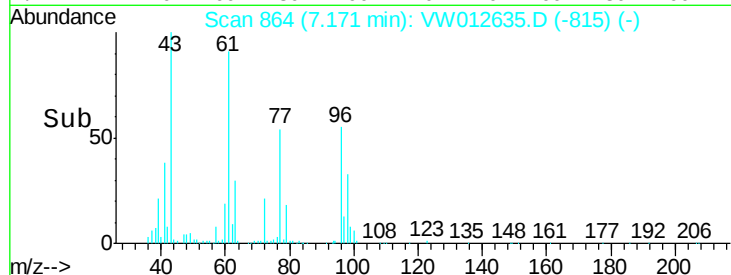
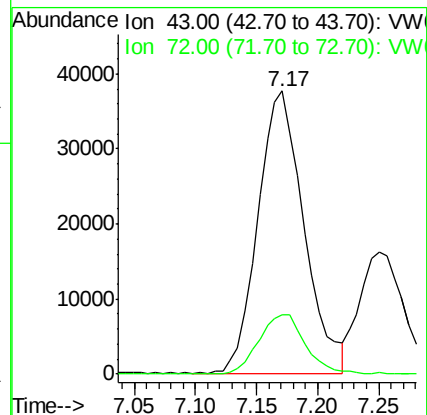
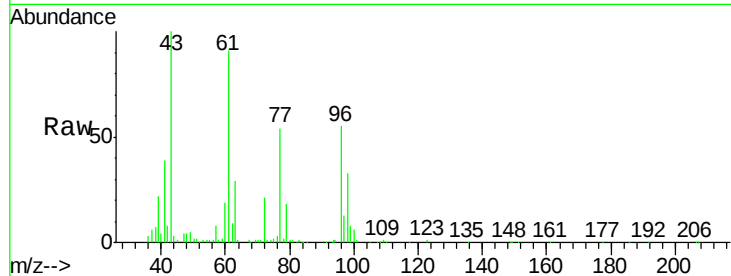
72 21.0 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.684 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012635.D

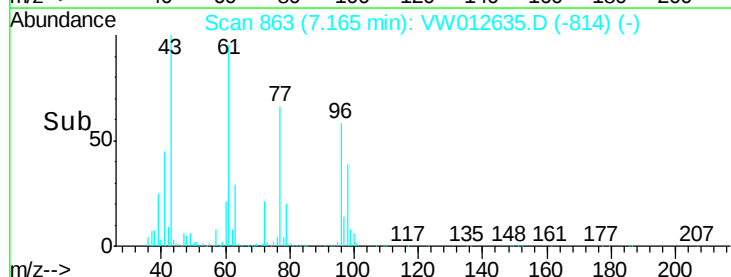
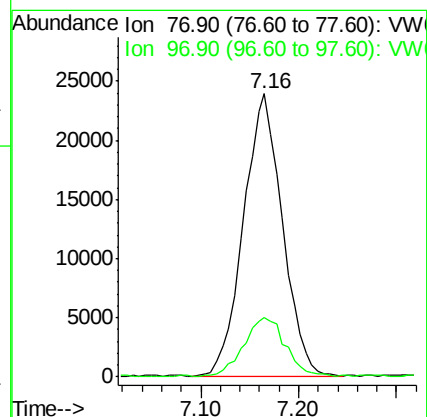
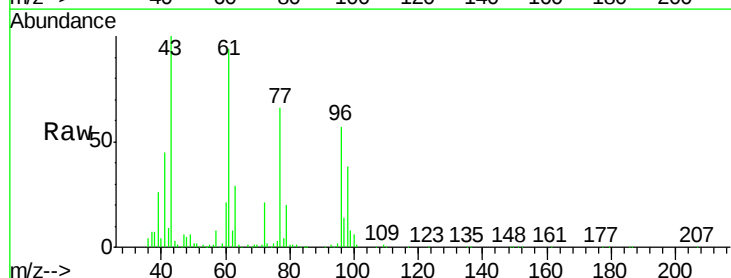
Acq: 05 Sep 2019 12:40

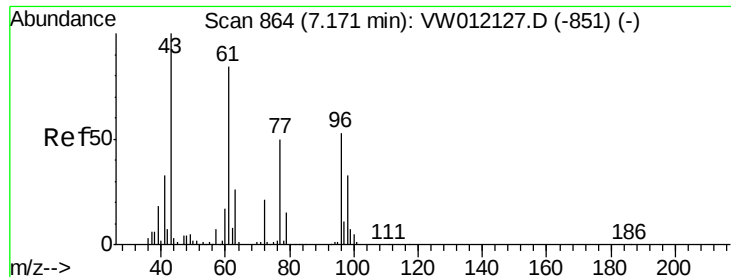
Tgt Ion: 77 Resp: 65953

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1





#27

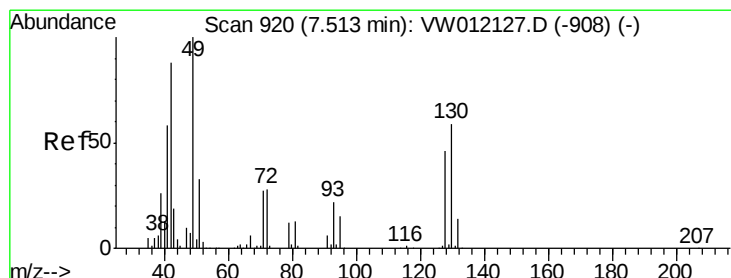
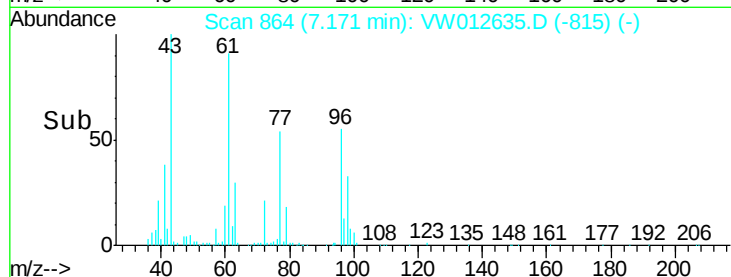
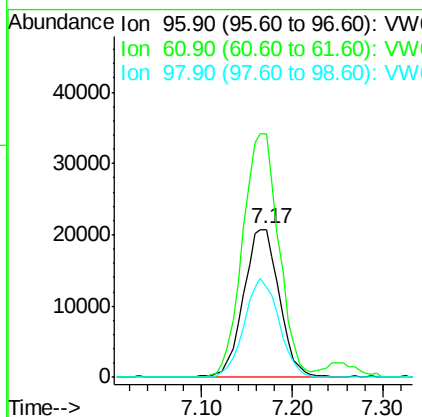
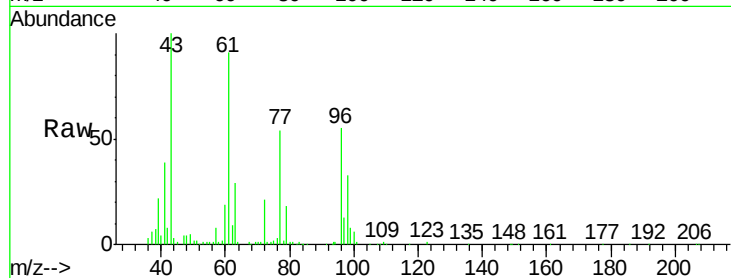
cis-1,2-Dichloroethene
Concen: 20.773 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.3	0.0	326.6
98	64.9	0.0	127.4

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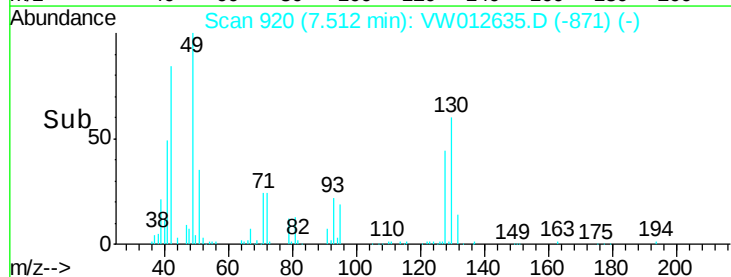
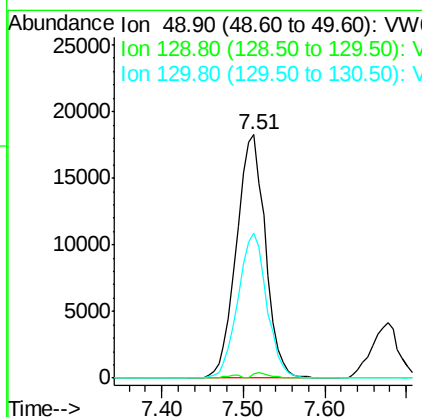
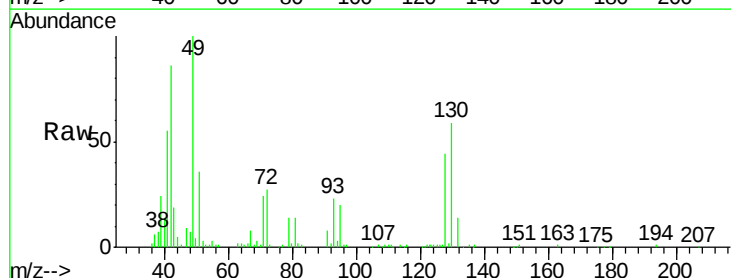
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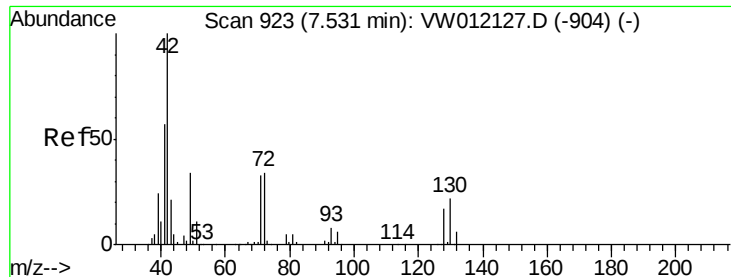


#28

Bromochloromethane
Concen: 20.020 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	1.4
130	59.0	45.5	68.3





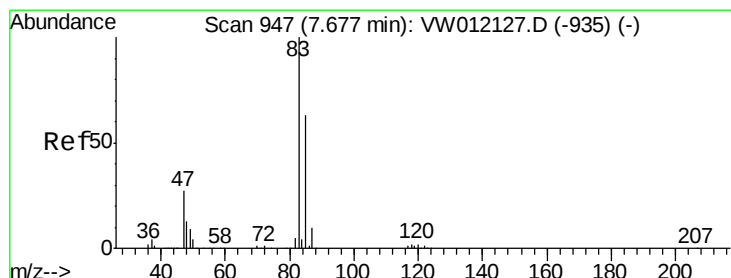
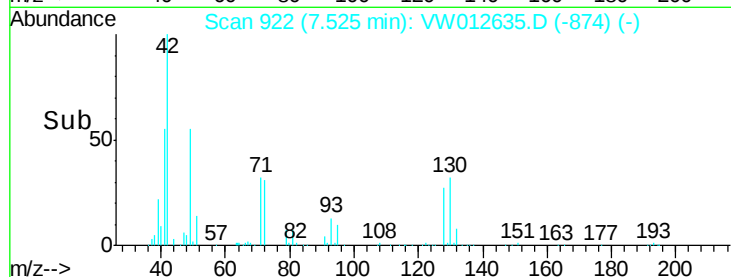
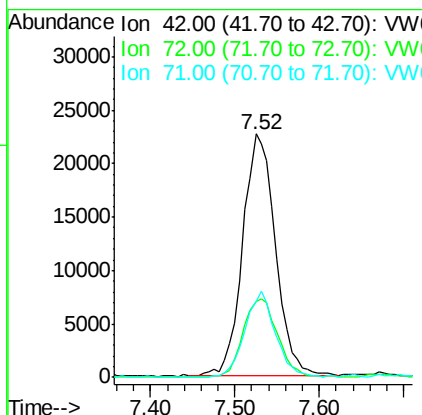
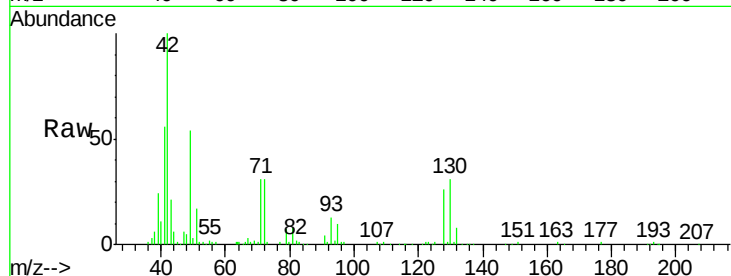
#29
Tetrahydrofuran
Concen: 101.842 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS02

Tot Ion:	42	Resp:	59883
Ion	Ratio	Lower	Upper
42	100		
72	34.1	27.3	40.9
71	33.1	25.5	38.3

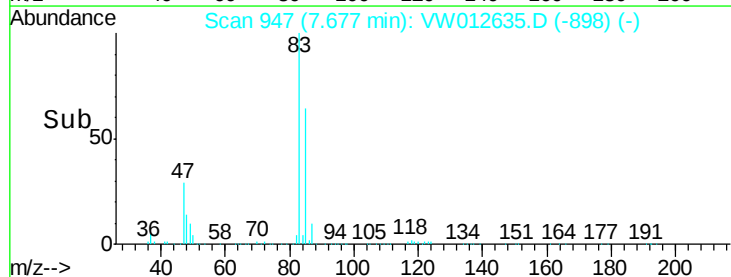
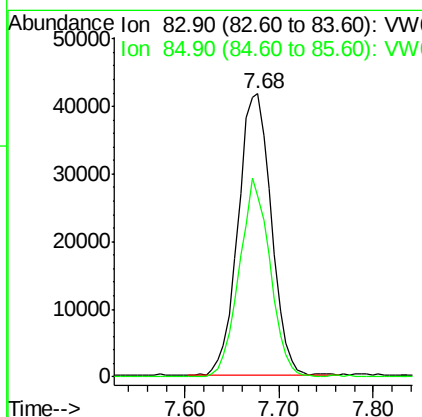
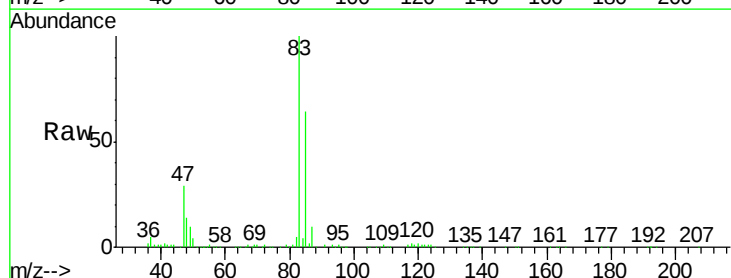
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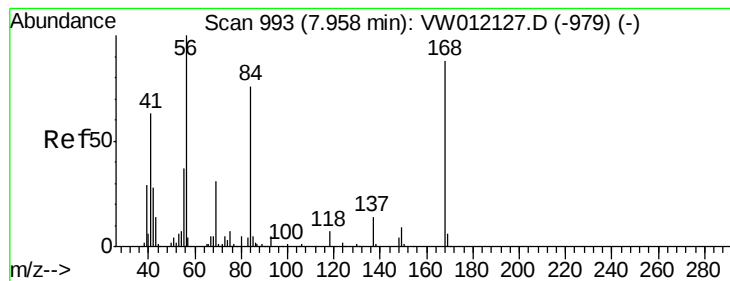
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#30
Chloroform
Concen: 21.974 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Tgt Ion:	83	Resp:	103266
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.6	76.0





#31

Cyclohexane

Concen: 18.481 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

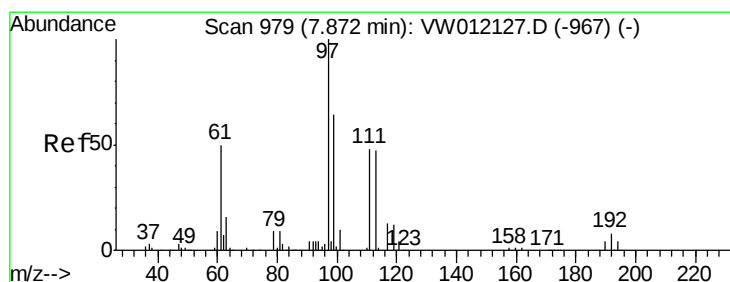
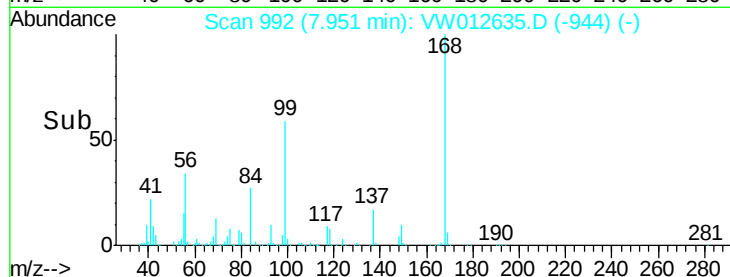
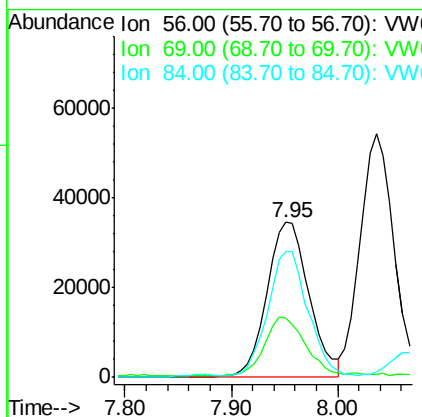
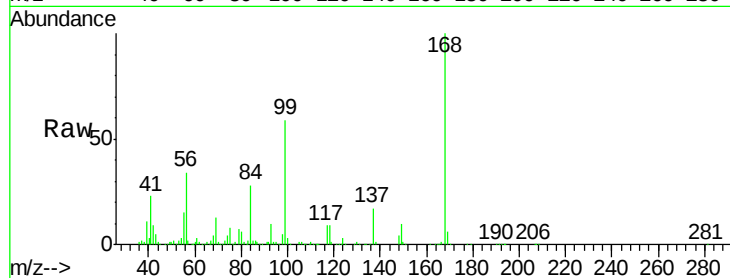
ClientSampled :

VW0905SBS02

Tot Ion:	56	Resp:	93920
Ion Ratio	Lower	Upper	
56	100		
69	37.4	24.9	37.3#
84	80.4	60.6	90.8

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#32

1,1,1-Trichloroethane

Concen: 23.152 ug/l

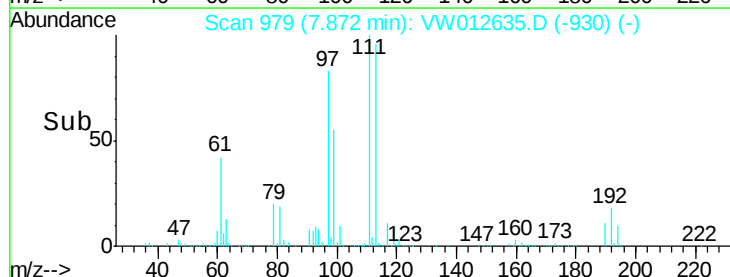
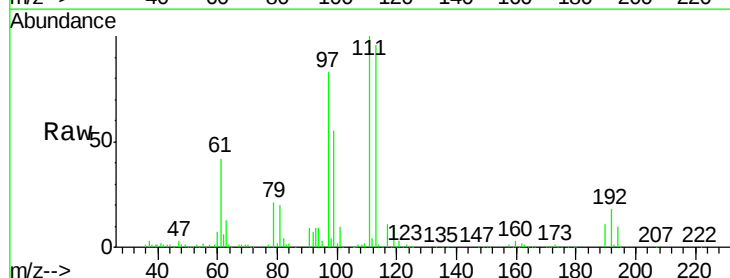
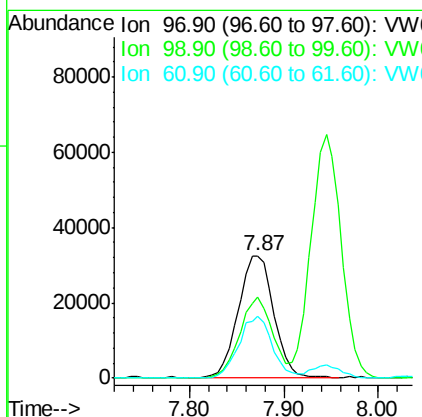
RT: 7.87 min Scan# 979

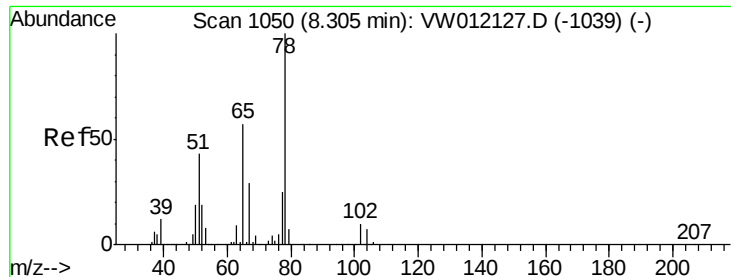
Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Tgt Ion:	97	Resp:	86074
Ion Ratio	Lower	Upper	
97	100		
99	60.8	51.4	77.0
61	47.7	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 49.468 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS02

Tot Ion: 65 Resp: 139572

Ion Ratio Lower Upper

65 100

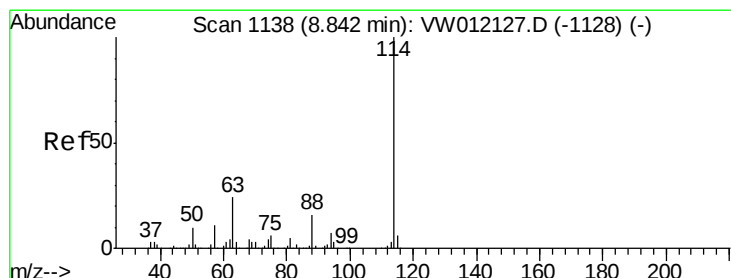
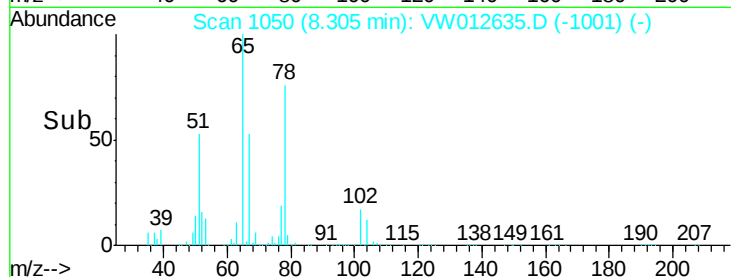
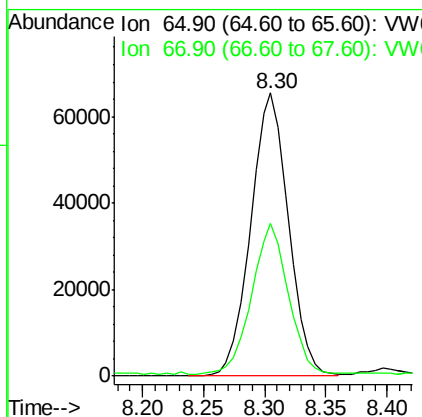
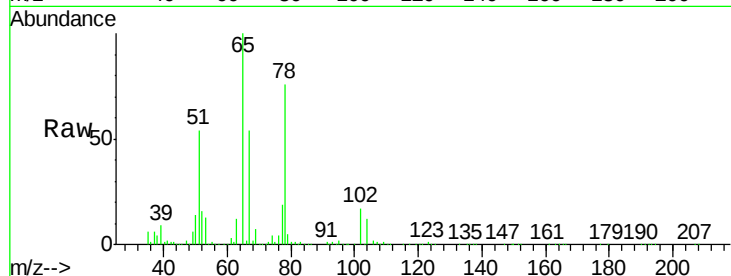
67 51.6 0.0 102.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

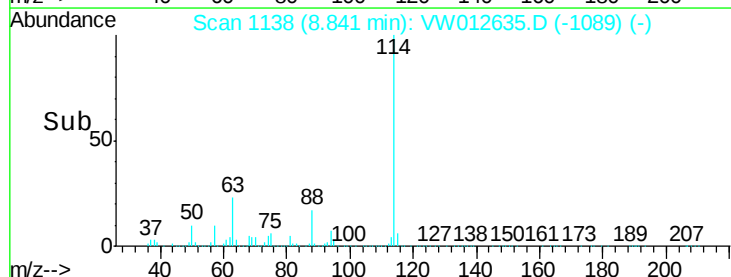
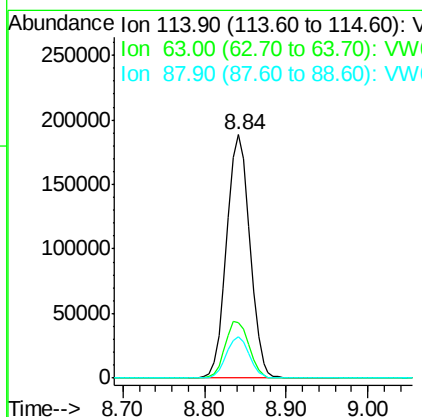
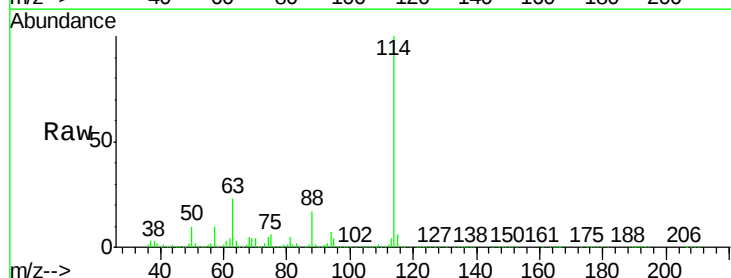
Tgt Ion: 114 Resp: 369231

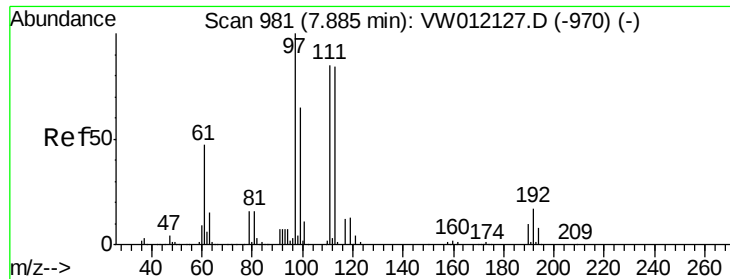
Ion Ratio Lower Upper

114 100

63 23.0 0.0 48.6

88 17.0 0.0 32.2





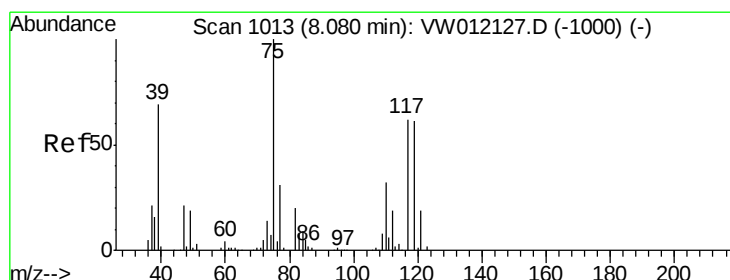
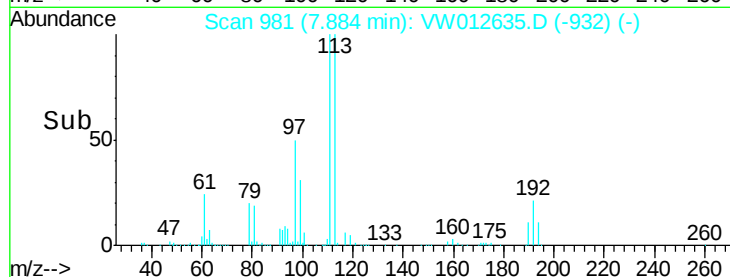
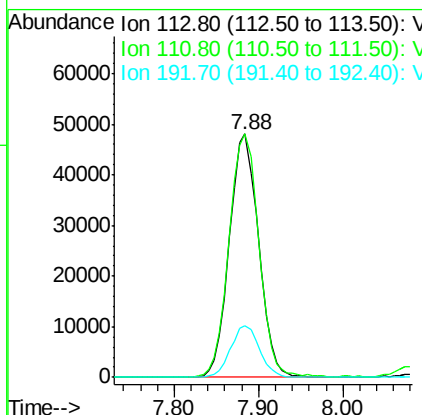
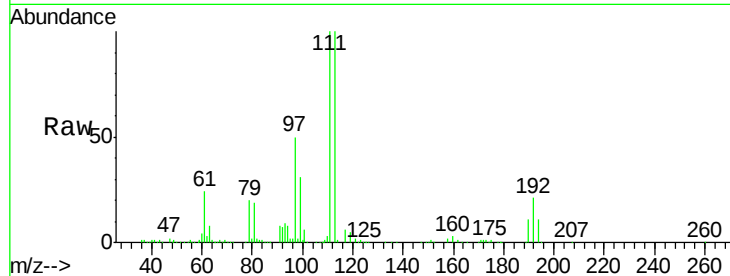
#35
 Dibromofluoromethane
 Concen: 51.143 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112716		
111	101.6	82.7	124.1	
192	21.1	16.2	24.2	

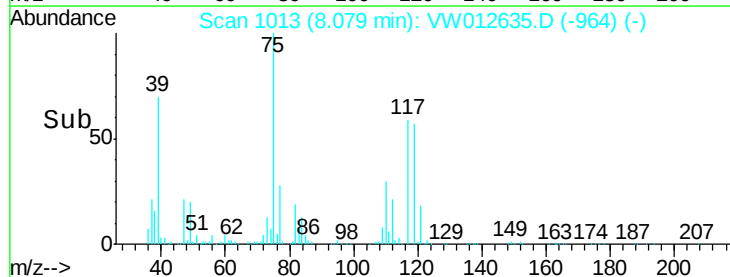
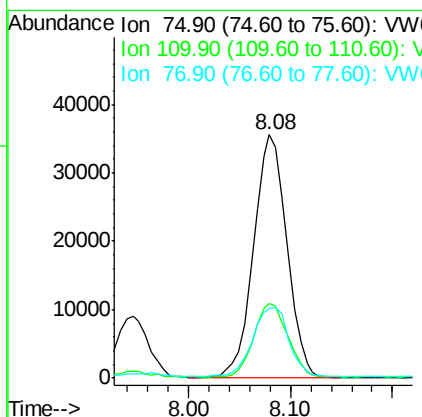
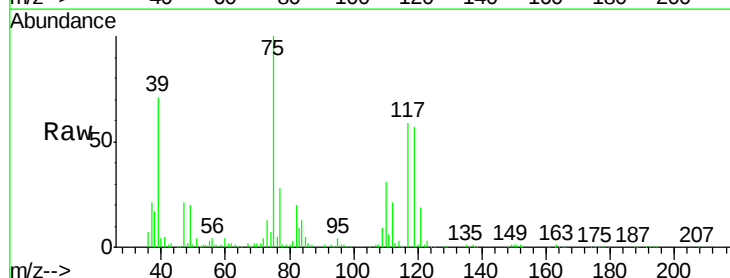
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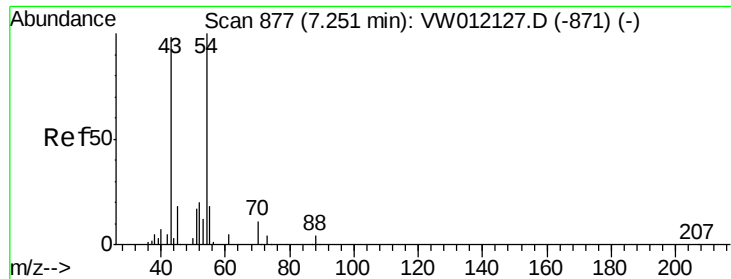
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#36
 1,1-Dichloropropene
 Concen: 21.257 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81106		
110	31.5	15.6	46.8	
77	31.1	24.6	36.8	





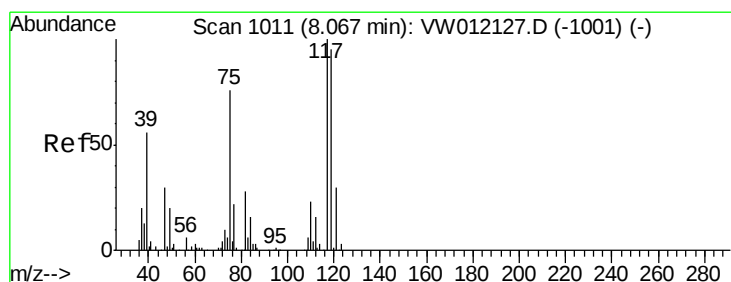
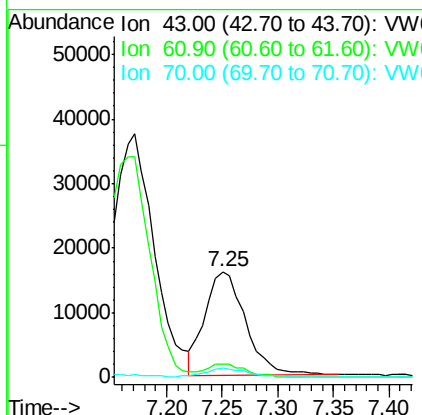
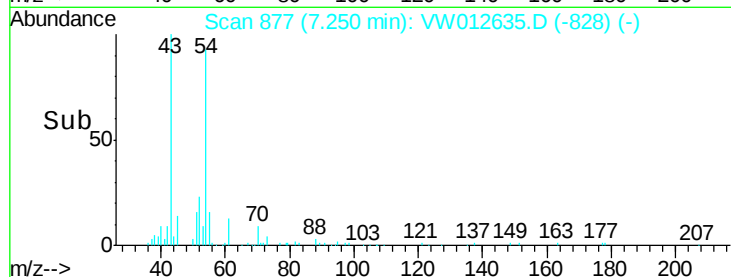
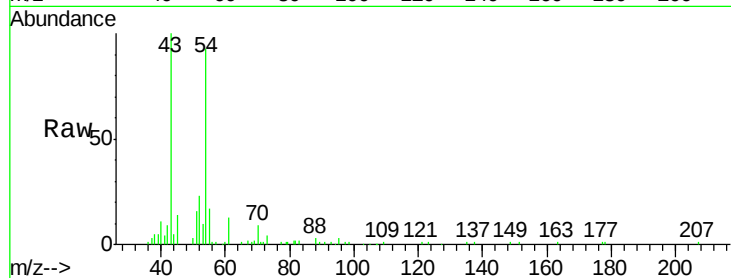
#37
Ethyl Acetate
Concen: 19.512 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.2	13.8
70	8.1	6.9	10.3

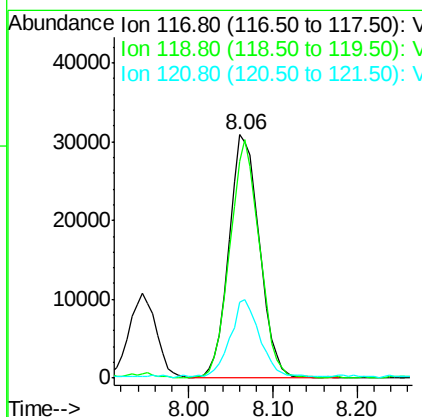
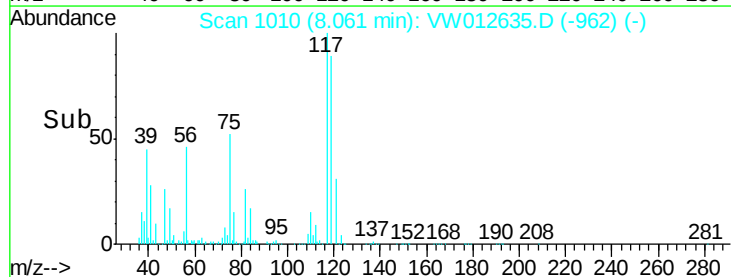
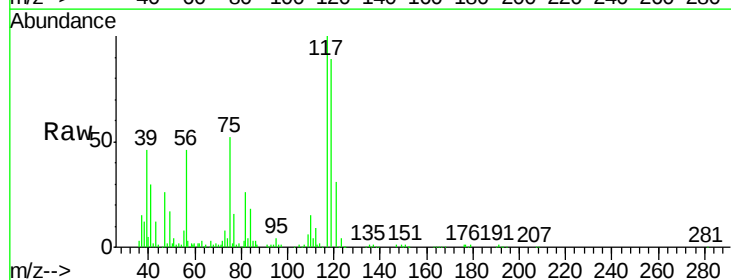
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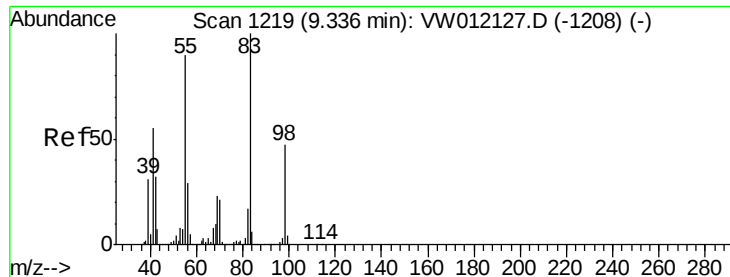
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#38
Carbon Tetrachloride
Concen: 23.004 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.8	76.2	114.2
121	30.7	23.8	35.8





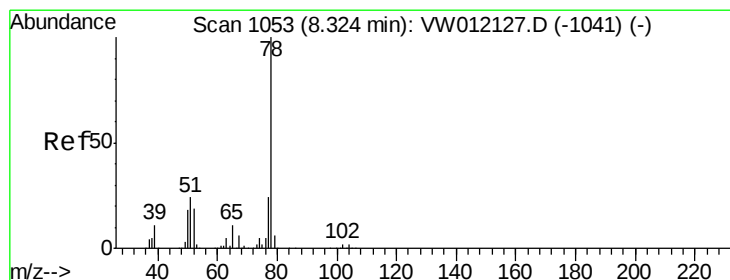
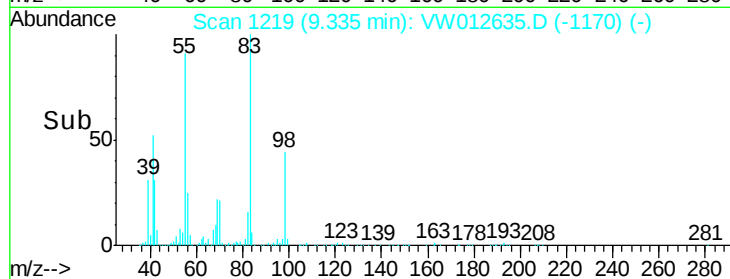
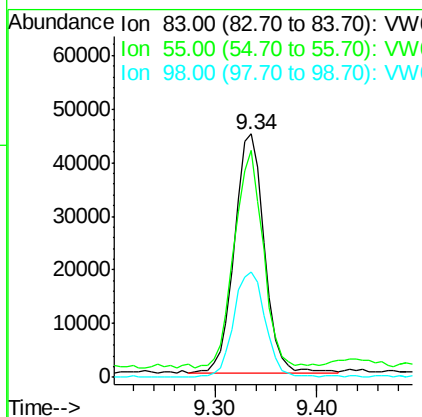
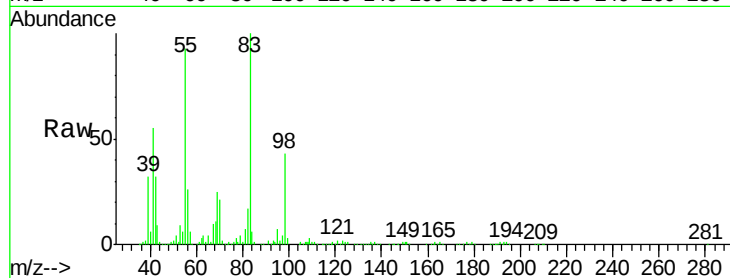
#39
Methvlcvclohexane
Concen: 20.907 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.7	71.8	107.8
98	43.7	37.8	56.8

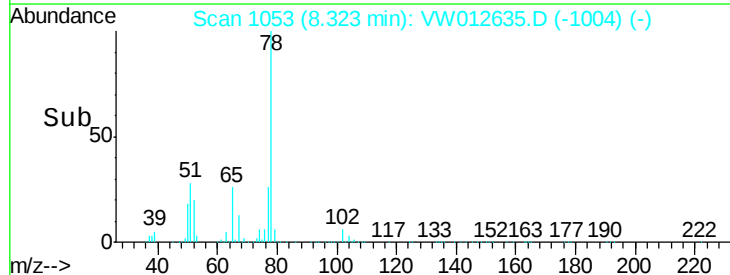
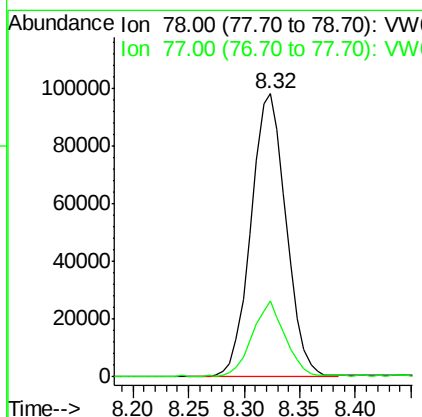
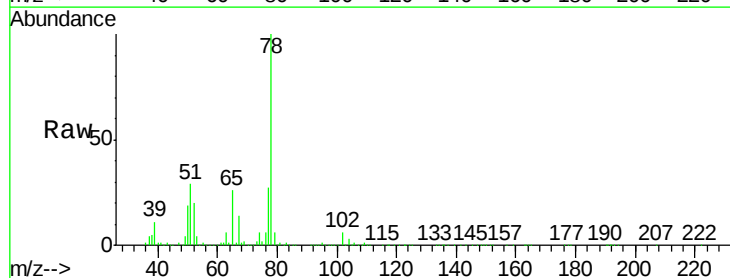
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#40
Benzene
Concen: 20.740 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.7	19.5	29.3





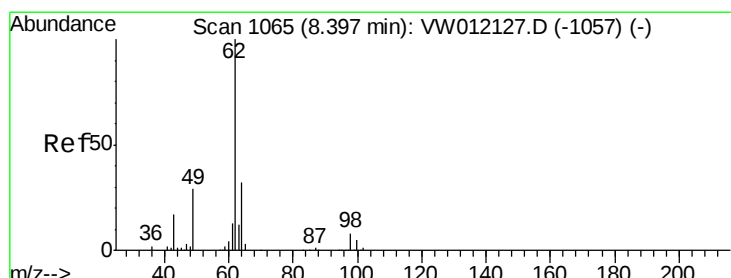
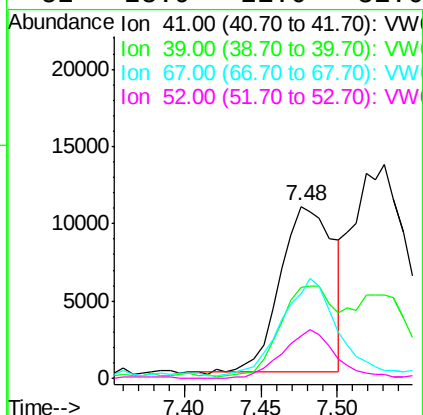
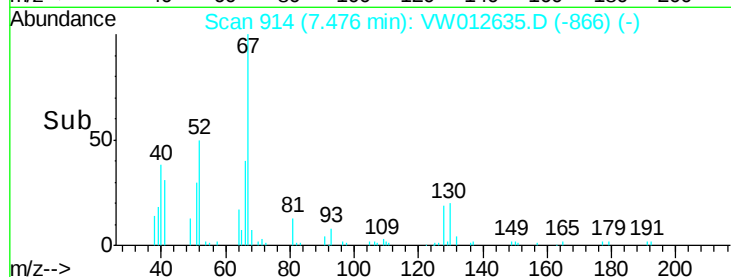
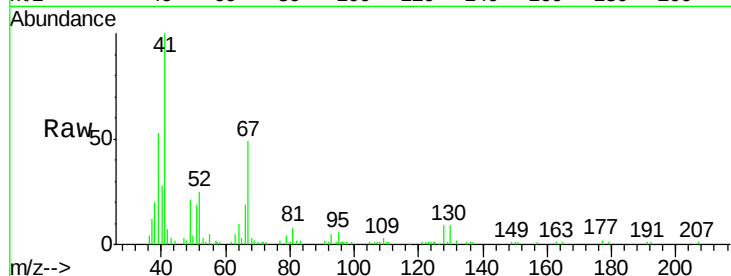
#41
Methacrylonitrile
Concen: 21.252 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		26116		
39	54.4	45.8	68.8		
67	60.9	46.2	69.4		
52	28.9	21.0	31.6		

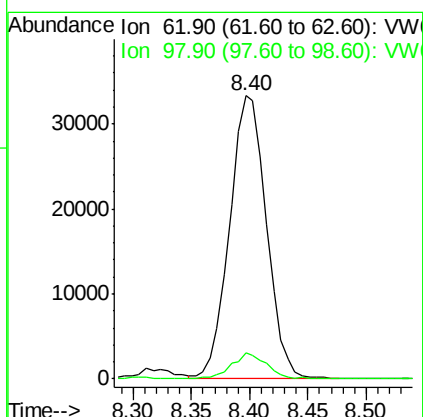
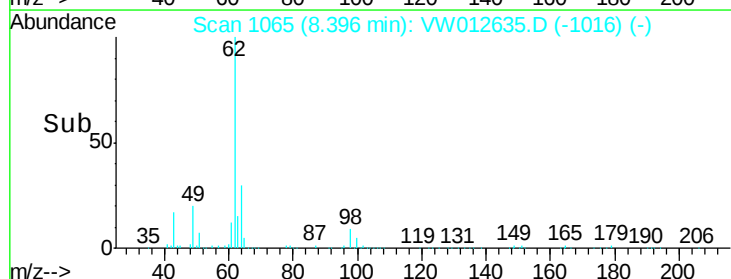
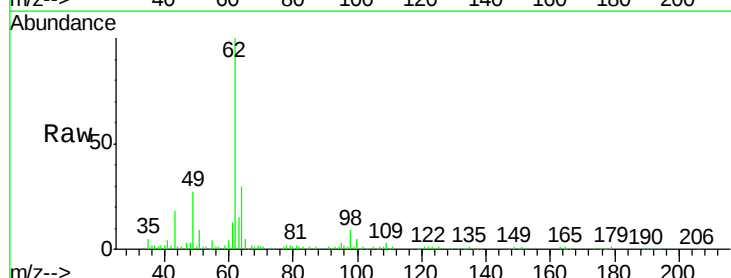
Manual Integrations
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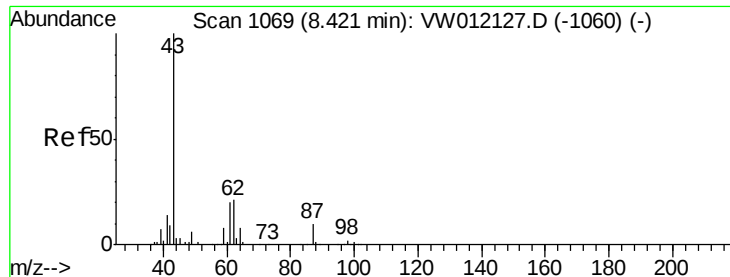
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#42
1,2-Dichloroethane
Concen: 22.488 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		73430		
98	8.9	0.0	16.6		





#43

Isopropyl Acetate

Concen: 21.165 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

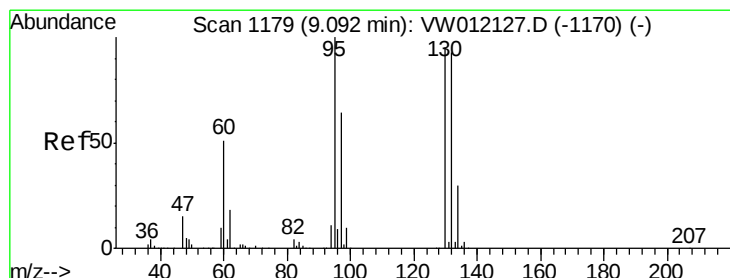
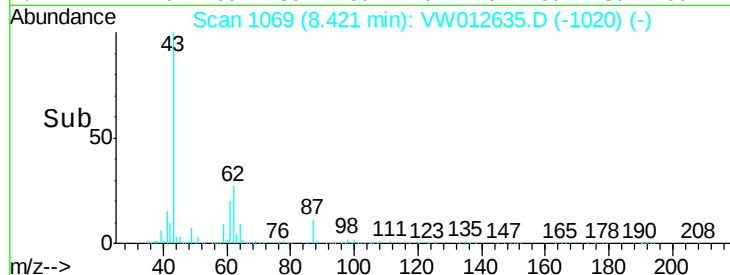
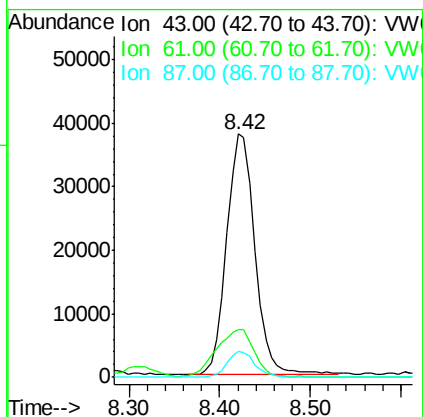
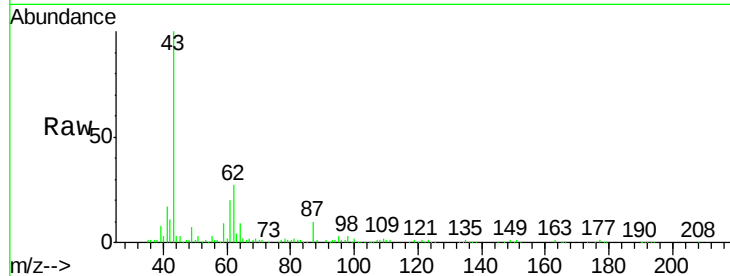
ClientSampleId :

VW0905SBS02

Tot Ion:	43	Resp:	81972
Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.1	31.7
87	10.6	8.2	12.2

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#44

Trichloroethene

Concen: 21.900 ug/l

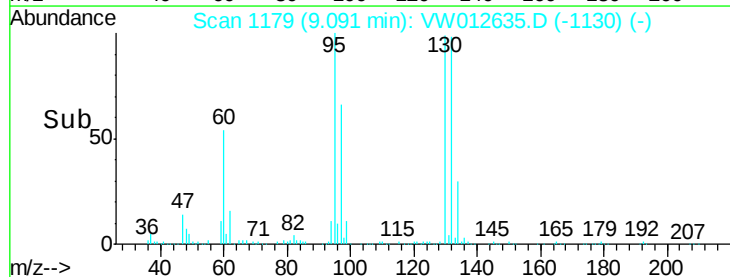
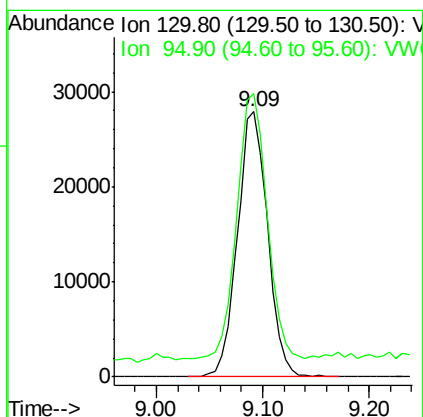
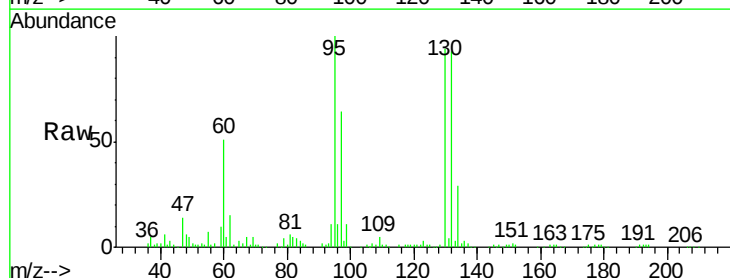
RT: 9.09 min Scan# 1179

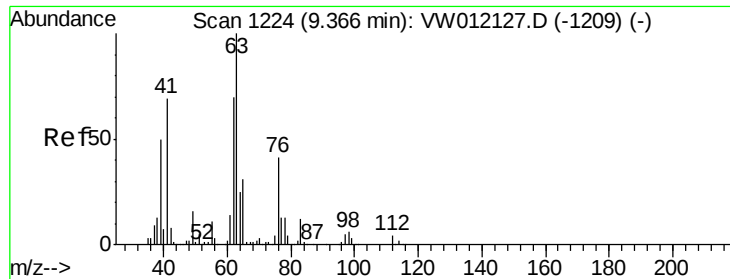
Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Tgt Ion:	130	Resp:	55468
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	210.6





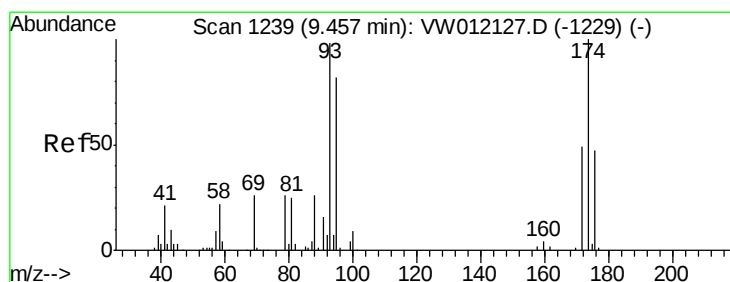
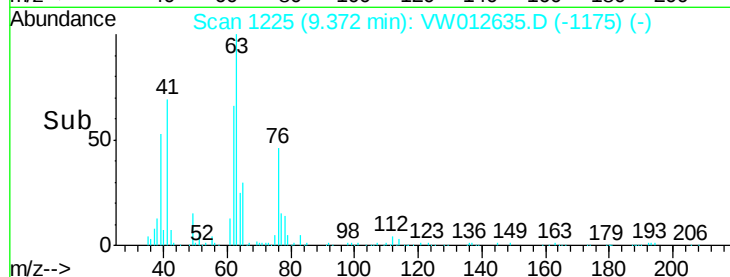
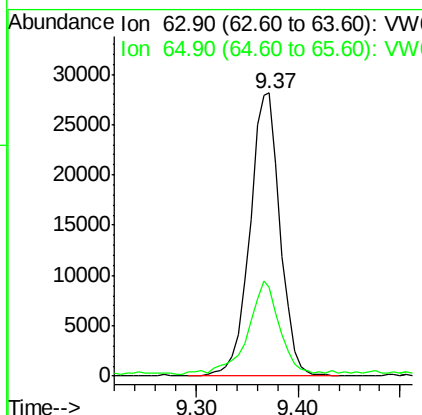
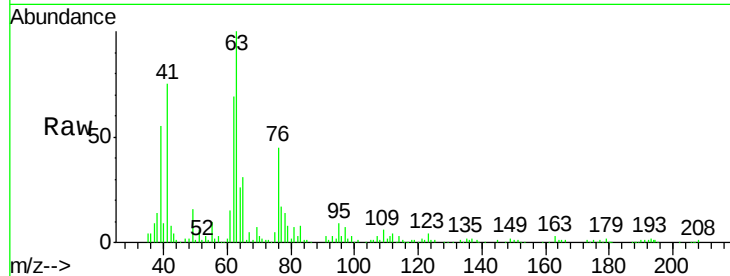
#45
 1,2-Dichloropropane
 Concen: 20.699 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Instrument :
 MSVOA_W
 ClientSampled :
 VW0905SBS02

Tot Ion: 63 Resp: 58041
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.4

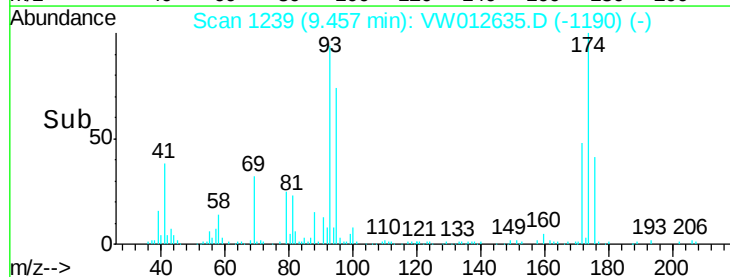
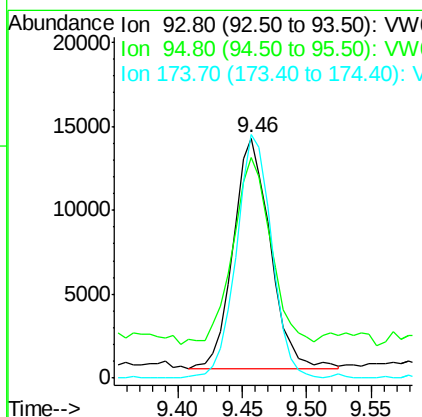
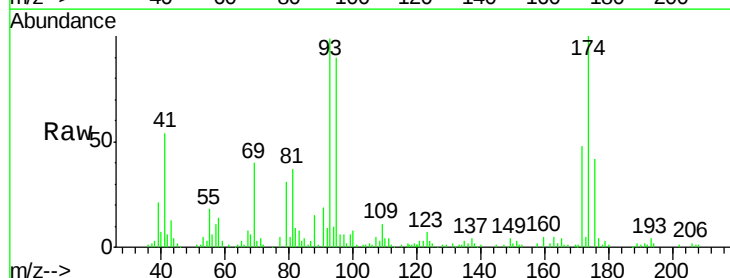
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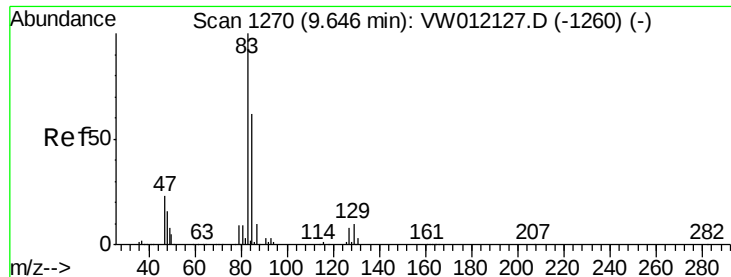
MMDadoda
 9/6/2019 12:29:21 PM



#46
 Dibromomethane
 Concen: 21.998 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Tgt Ion: 93 Resp: 27444
 Ion Ratio Lower Upper
 93 100
 95 78.8 67.2 100.8
 174 100.7 79.0 118.6





#47

Bromodichloromethane

Concen: 22.235 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

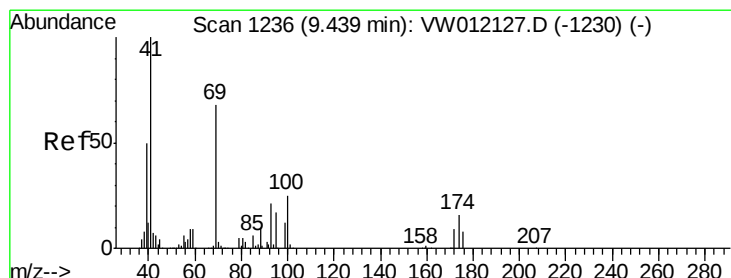
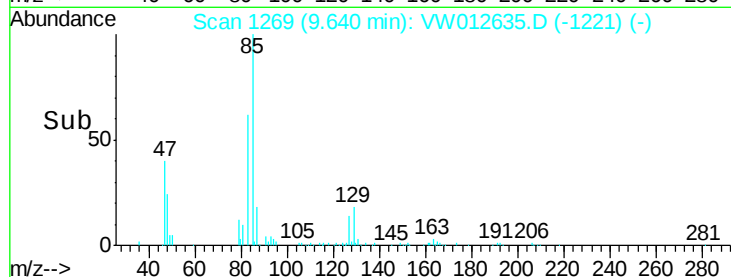
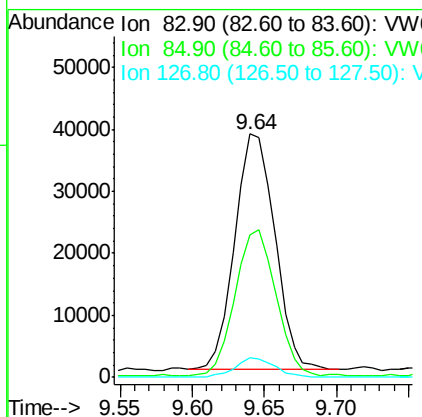
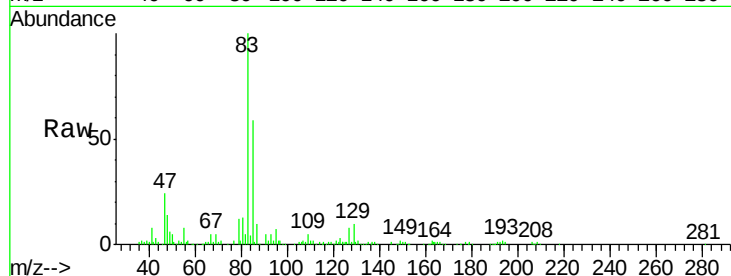
ClientSampled :

VW0905SBS02

Tot Ion:	83	Resp:	73829
Ion Ratio	Lower	Upper	
83	100		
85	59.9	49.4	74.2
127	8.5	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.810 ug/l

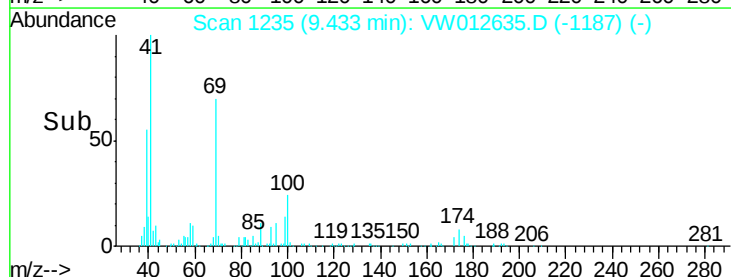
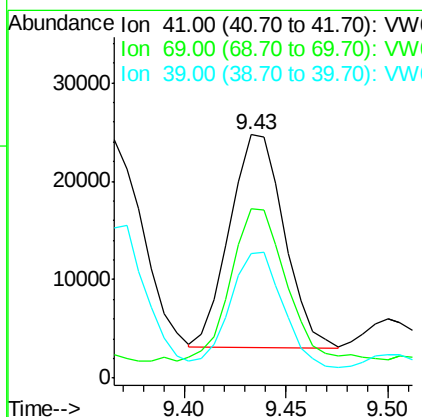
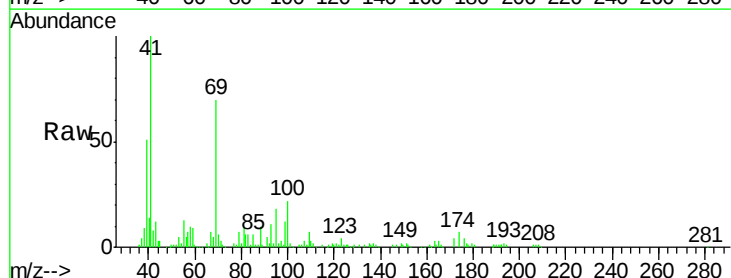
RT: 9.43 min Scan# 1235

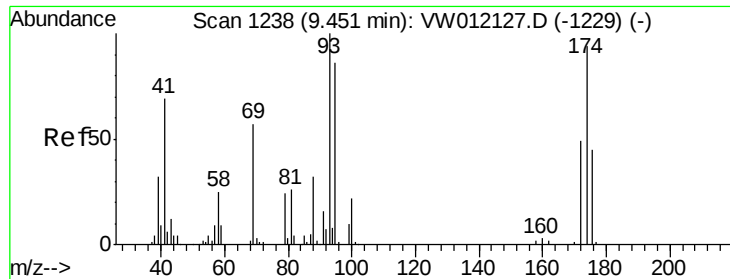
Delta R.T. -0.01 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Tgt Ion:	41	Resp:	40204
Ion Ratio	Lower	Upper	
41	100		
69	74.5	56.7	85.1
39	52.8	42.0	63.0





#49

1,4-Dioxane

Concen: 432.746 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS02

Tot Ion: 88 Resp: 8265

Ion Ratio Lower Upper

88 100

43 53.9 32.9 49.3#

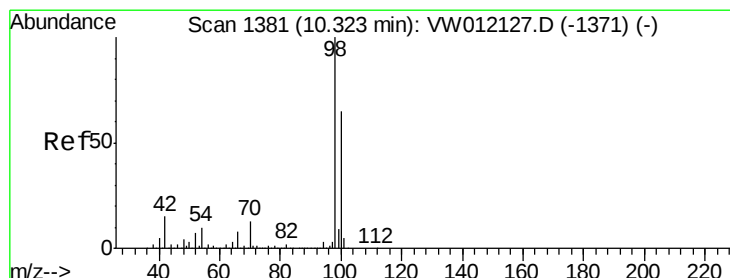
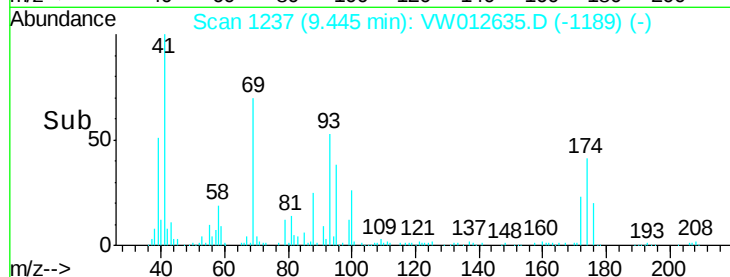
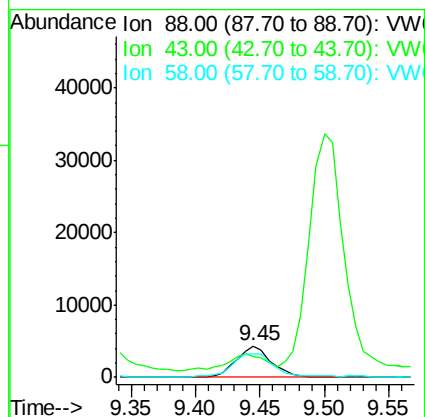
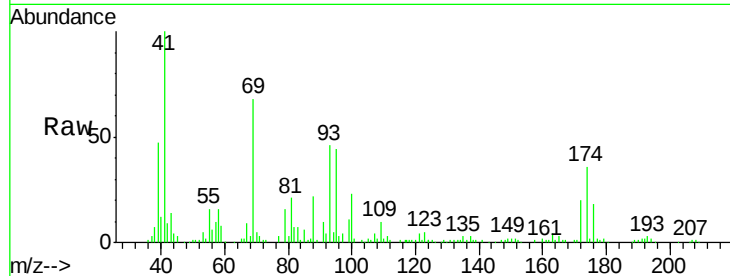
58 89.8 71.0 106.4

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#50

Toluene-d8

Concen: 50.412 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012635.D

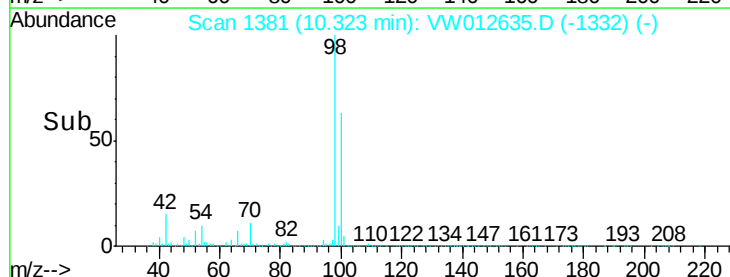
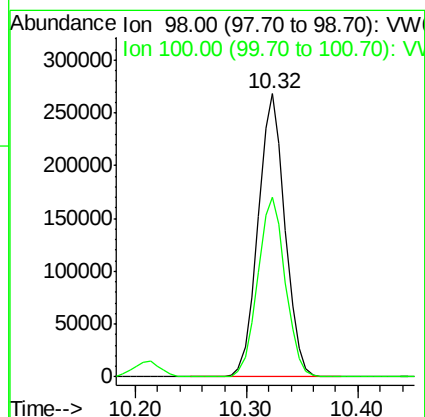
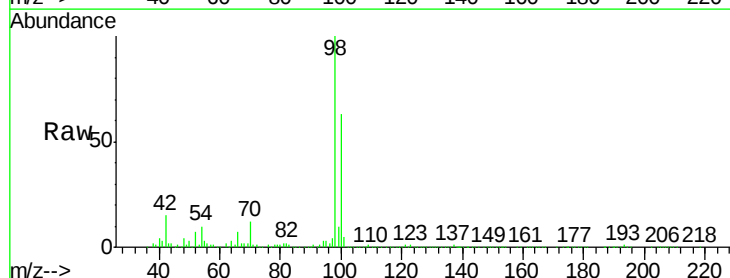
Acq: 05 Sep 2019 12:40

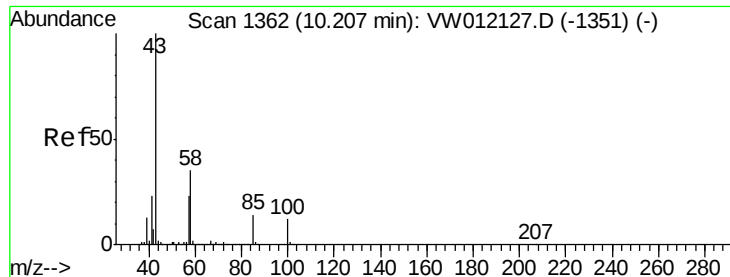
Tgt Ion: 98 Resp: 450500

Ion Ratio Lower Upper

98 100

100 65.0 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 106.926 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

ClientSampled :

VW0905SBS02

Tot Ion: 43 Resp: 210634

Ion Ratio Lower Upper

43 100

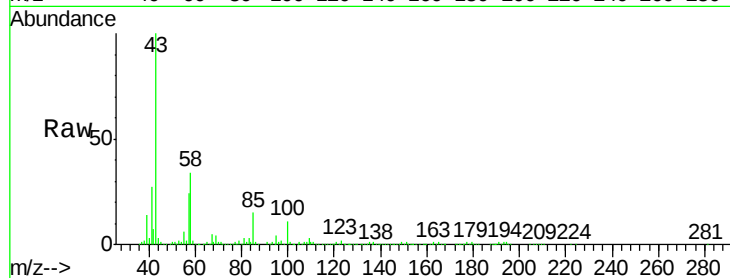
58 34.8 28.2 42.2

Manual Integrations

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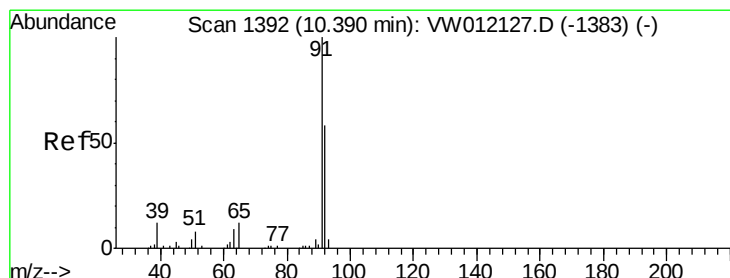
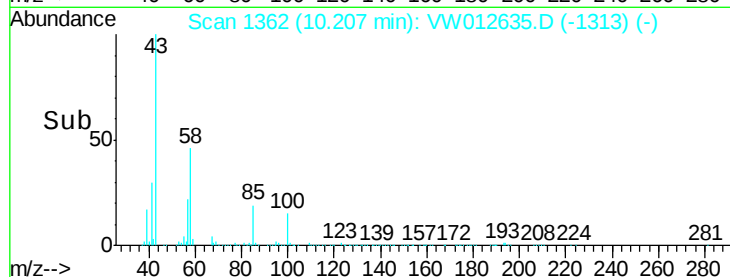
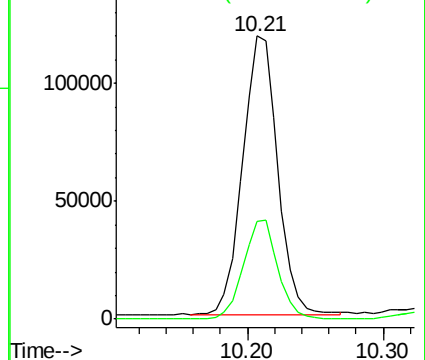
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.473 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012635.D

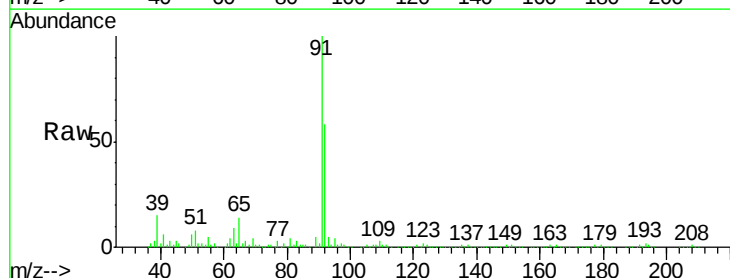
Acq: 05 Sep 2019 12:40

Tgt Ion: 92 Resp: 134397

Ion Ratio Lower Upper

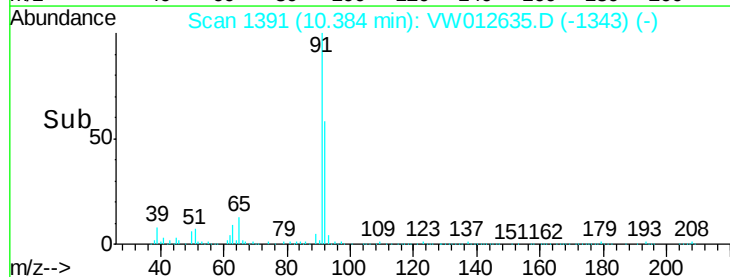
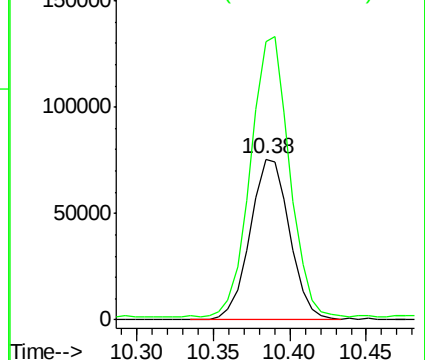
92 100

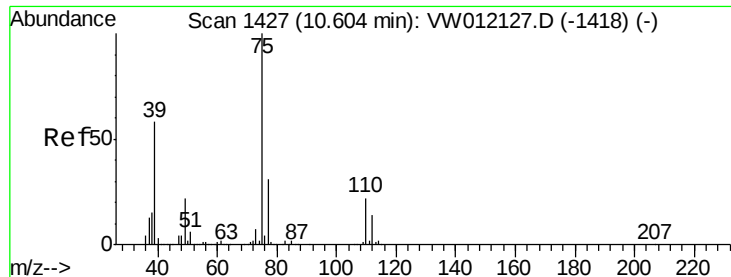
91 172.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





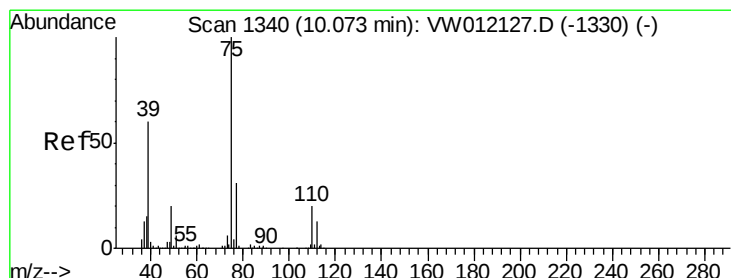
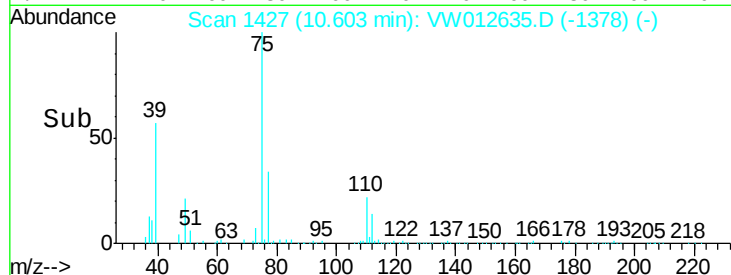
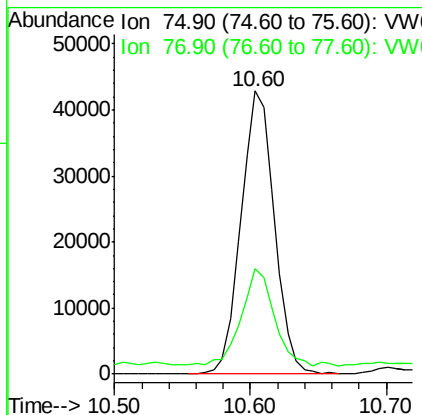
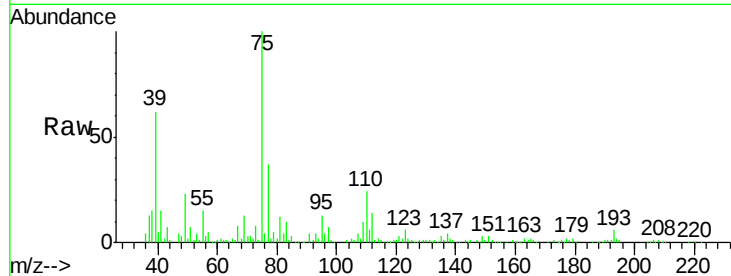
#53
t-1,3-Dichloropropene
Concen: 21.683 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS02

Tot Ion: 75 Resp: 73336
Ion Ratio Lower Upper
75 100
77 34.1 25.0 37.4

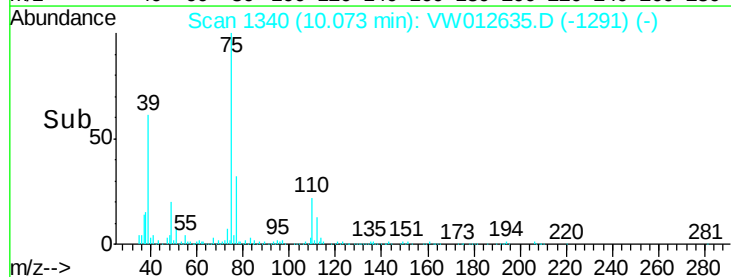
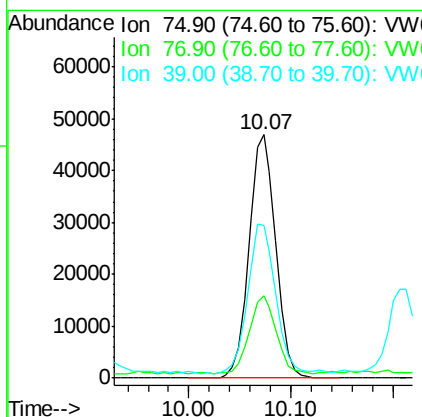
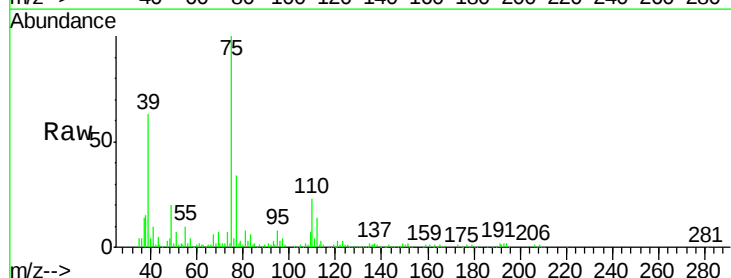
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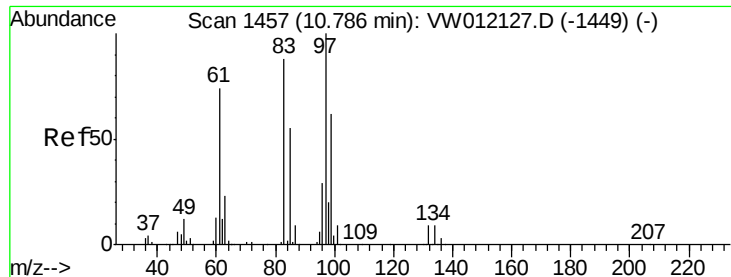
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#54
cis-1,3-Dichloropropene
Concen: 20.901 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Tgt Ion: 75 Resp: 85354
Ion Ratio Lower Upper
75 100
77 32.0 25.1 37.7
39 60.1 48.3 72.5





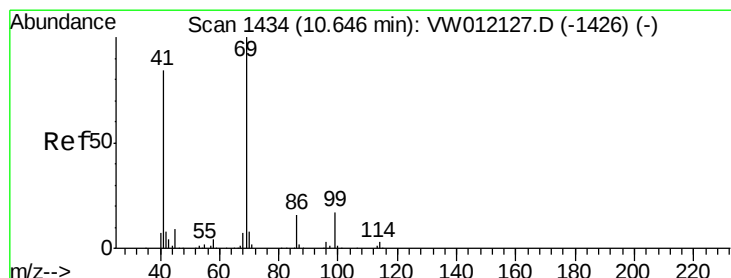
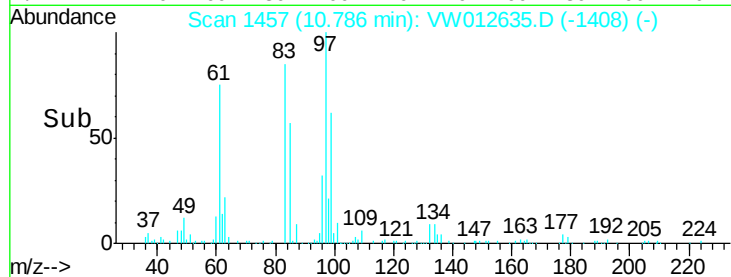
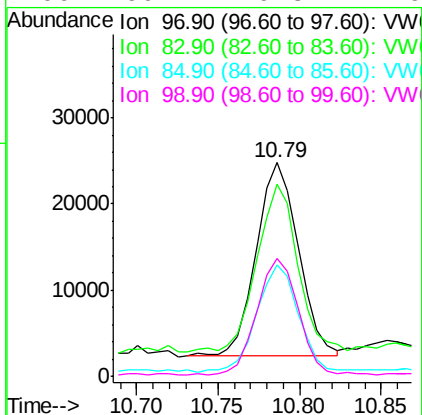
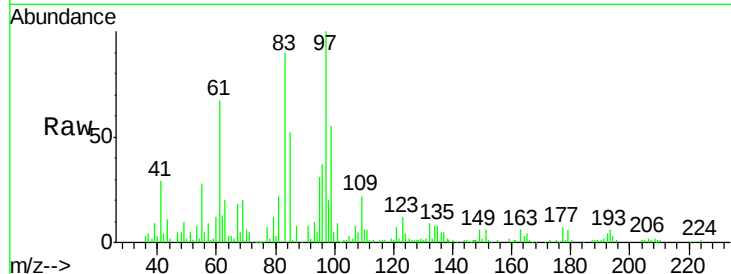
#55
 1,1,2-Trichloroethane
 Concen: 22.658 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS02

Tot Ion:	97	Resp:	39994
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.8	106.2
85	54.3	43.8	65.8
99	60.1	49.8	74.6

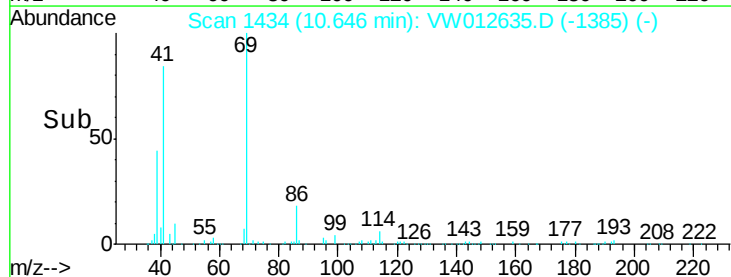
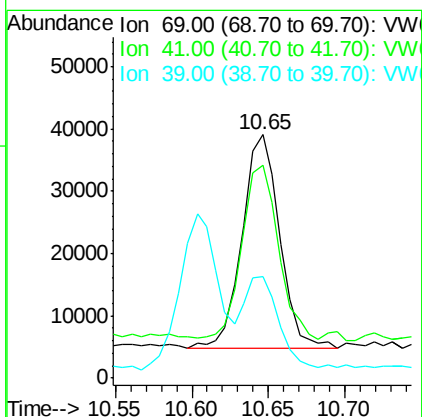
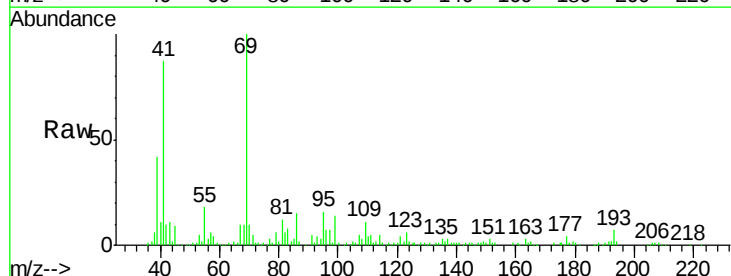
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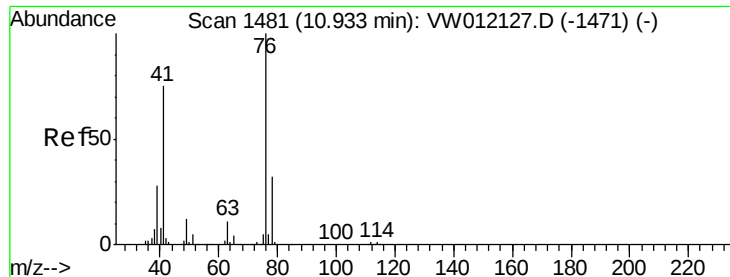
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#56
 Ethyl methacrylate
 Concen: 22.638 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Tgt Ion:	69	Resp:	58159
Ion	Ratio	Lower	Upper
69	100		
41	79.2	66.5	99.7
39	38.7	31.0	46.4





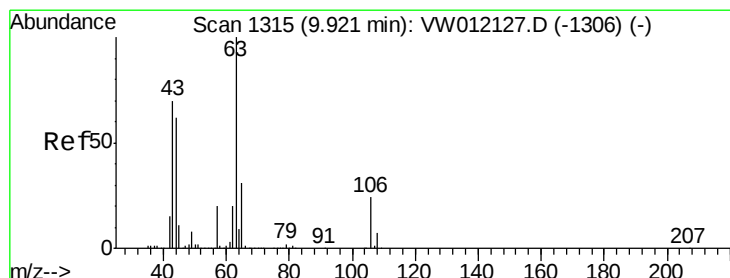
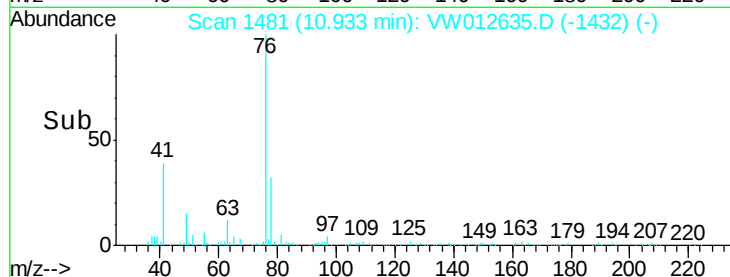
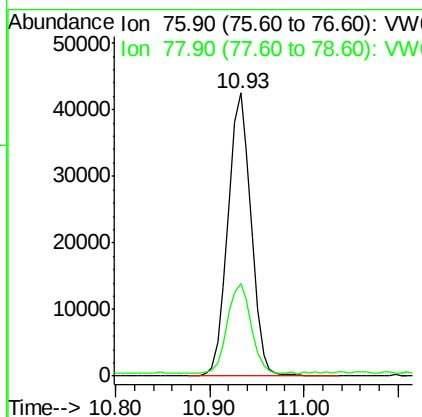
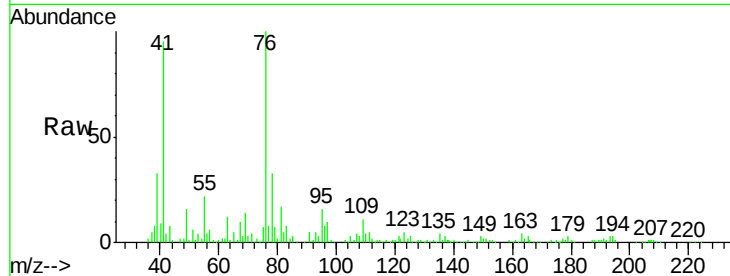
#57
 1,3-Dichloropropane
 Concen: 21.784 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS02

Tot Ion: 76 Resp: 72663
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8

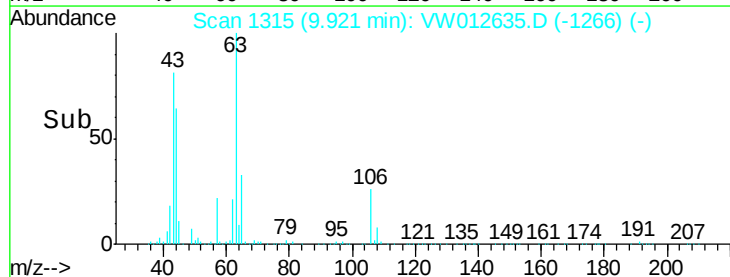
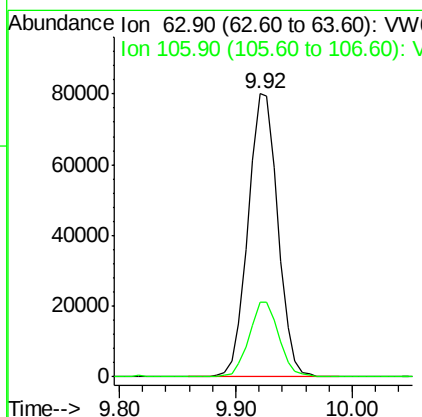
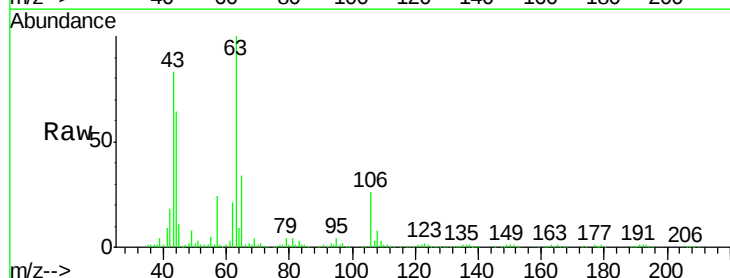
Manual Integrations
 APPROVED

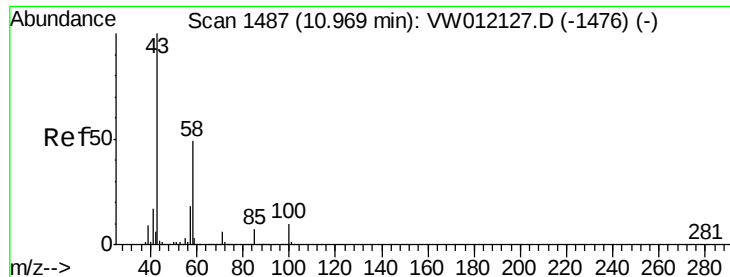
MMDadoda
 9/6/2019 12:29:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.614 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Tgt Ion: 63 Resp: 143206
 Ion Ratio Lower Upper
 63 100
 106 25.9 19.8 29.8





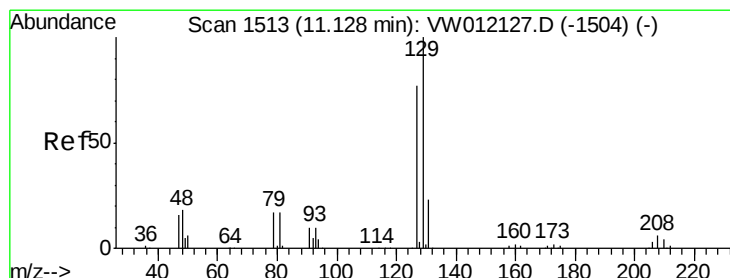
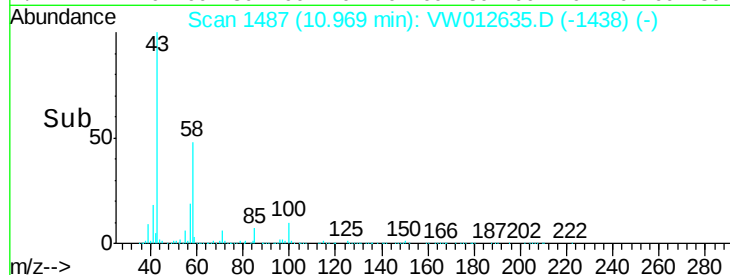
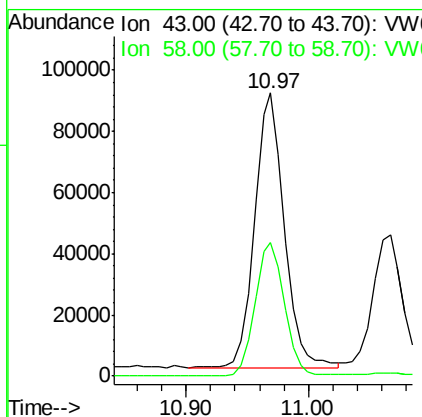
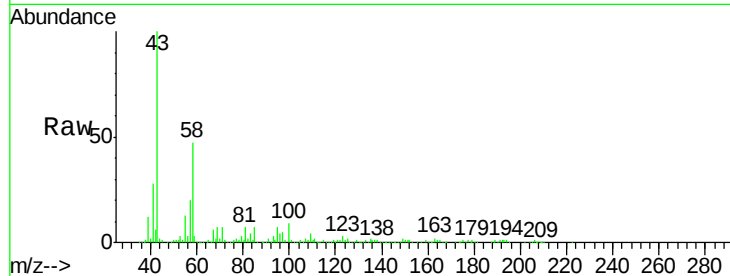
#59
2-Hexanone
Concen: 108.703 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.0	24.3	72.9

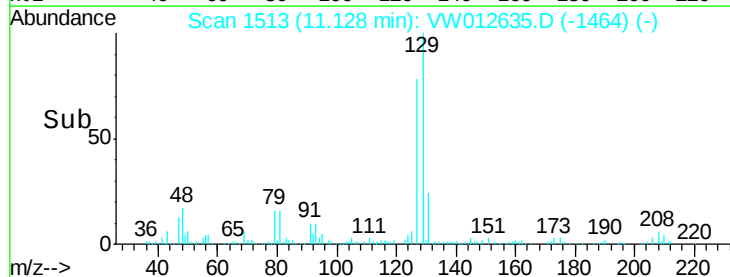
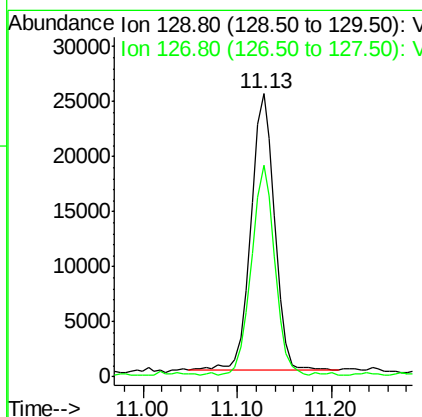
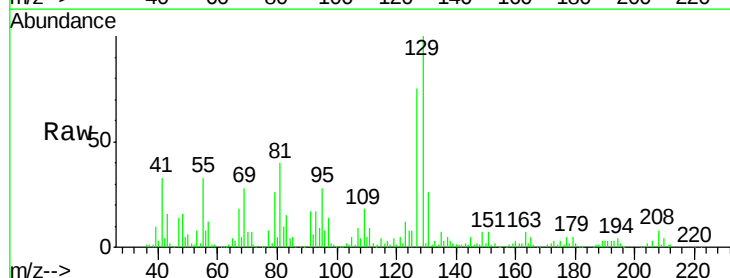
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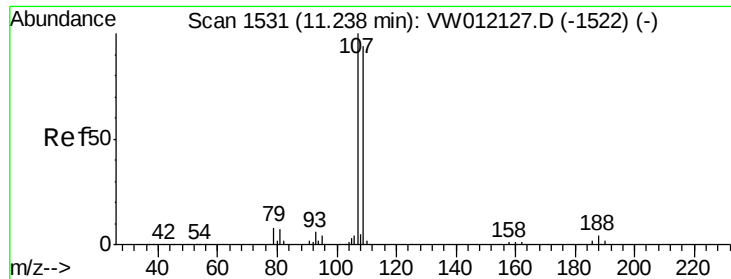
MMDadoda
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#60
Dibromochloromethane
Concen: 22.636 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.6	115.8





#61

1,2-Dibromoethane

Concen: 22.616 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS02

Tot Ion:107 Resp: 37191

Ion Ratio Lower Upper

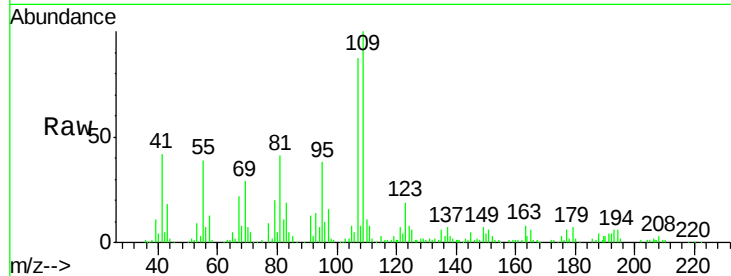
107 100

109 102.6 75.4 113.2

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APPROVED

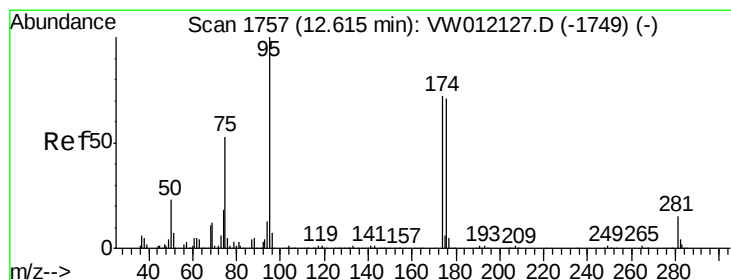
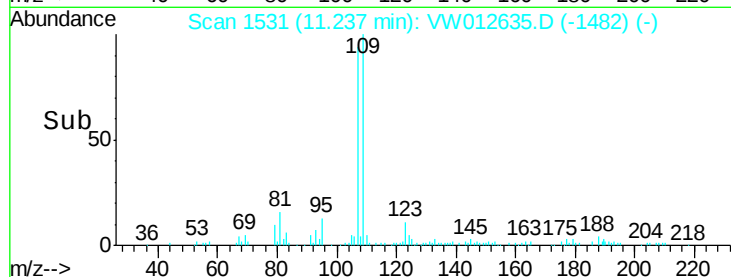
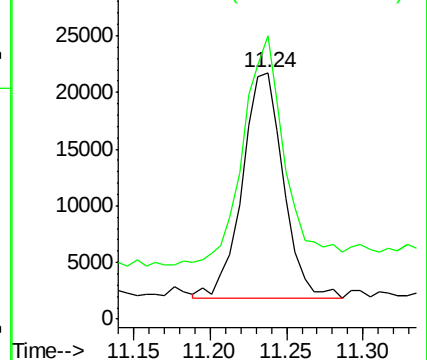
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 68.761 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

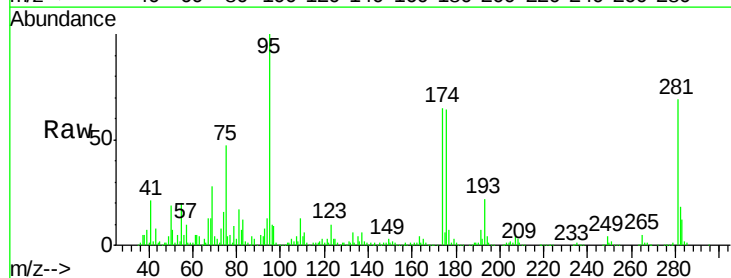
Tgt Ion: 95 Resp: 216603

Ion Ratio Lower Upper

95 100

174 58.3 0.0 150.8

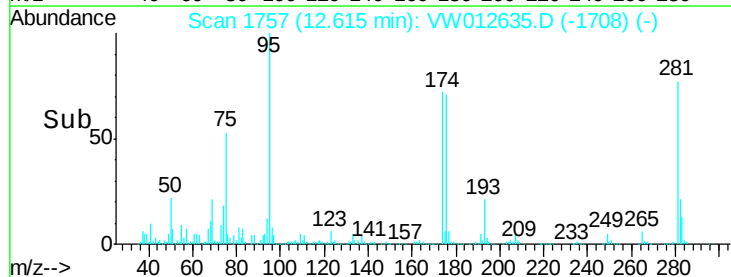
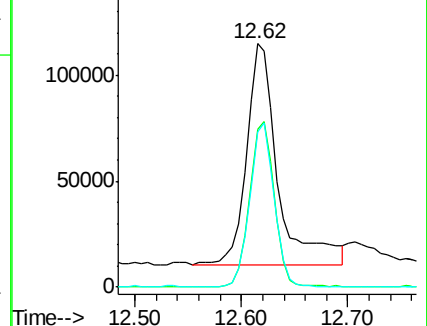
176 57.4 0.0 148.6

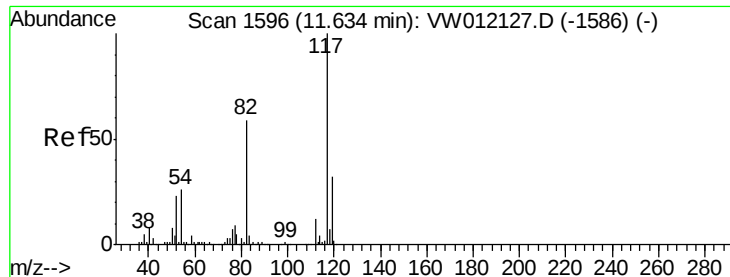


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





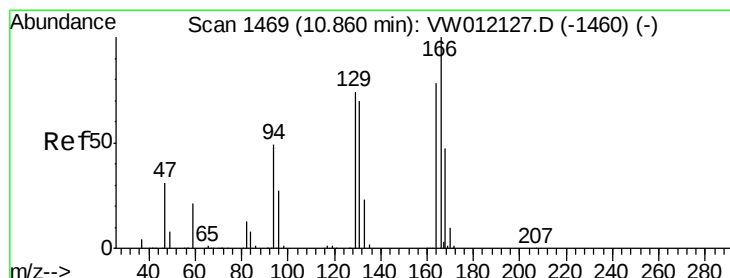
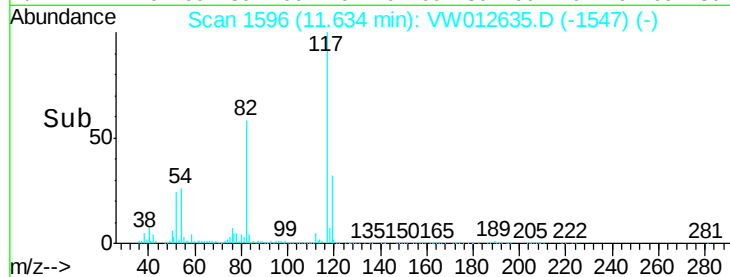
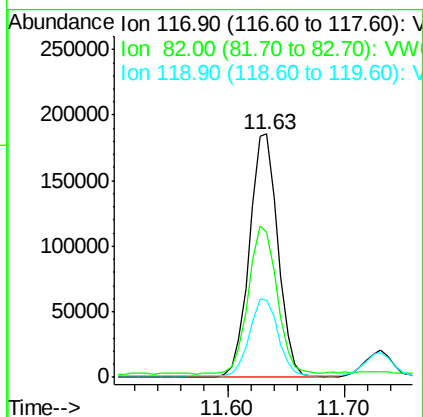
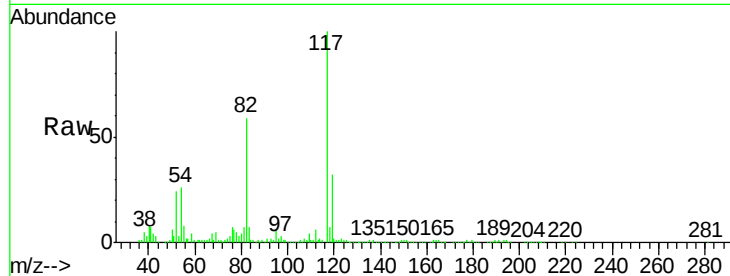
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	315764		
82	58.0		47.4	71.2
119	31.5		25.4	38.2

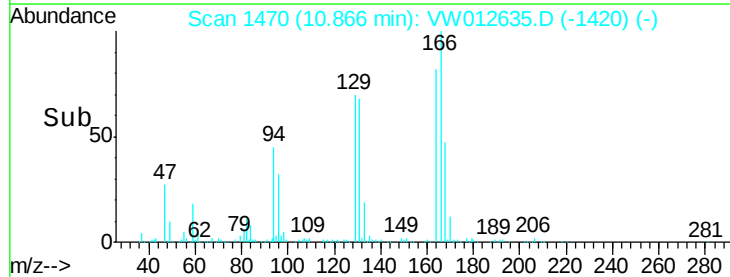
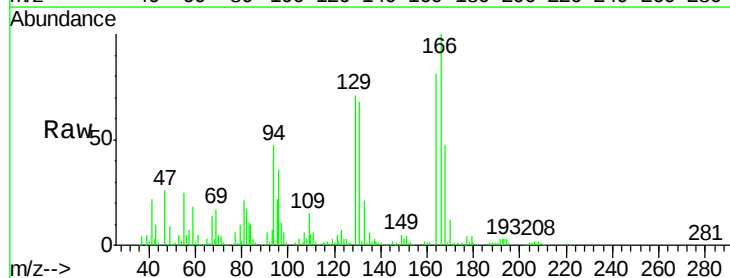
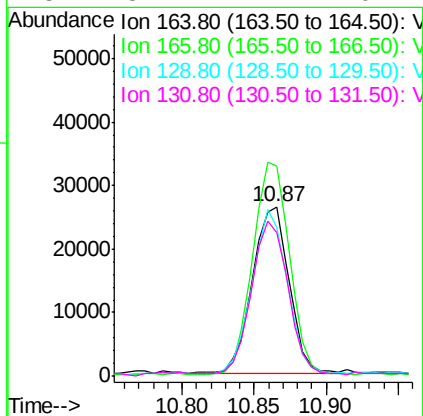
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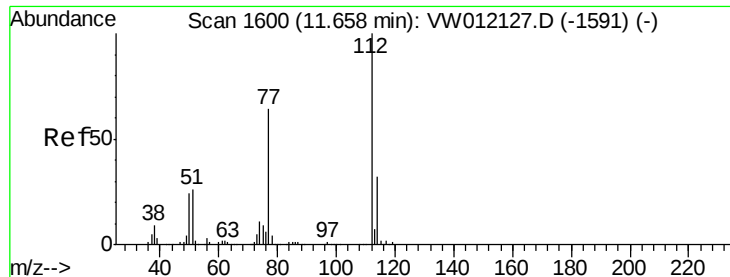
MMDadoda
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#64
Tetrachloroethene
Concen: 22.413 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45883		
166	125.3		102.4	153.6
129	87.7		75.8	113.6
131	84.7		71.4	107.2





#65

Chlorobenzene

Concen: 22.121 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS02

Tot Ion:112 Resp: 137543

Ion Ratio Lower Upper

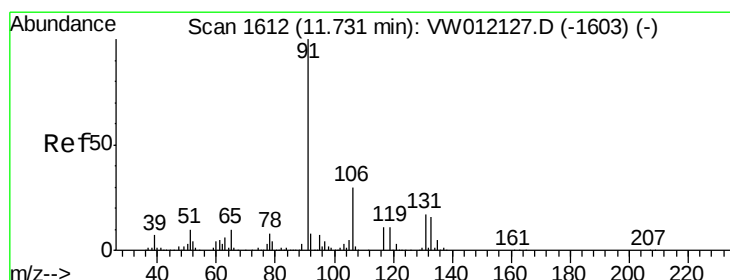
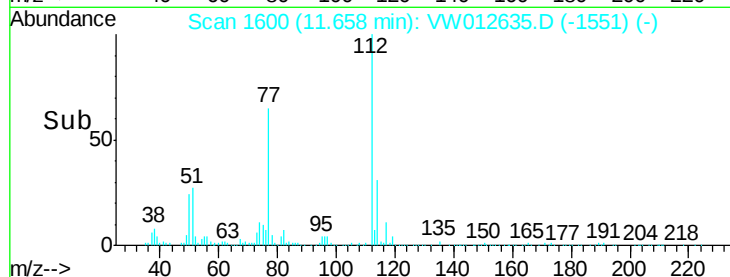
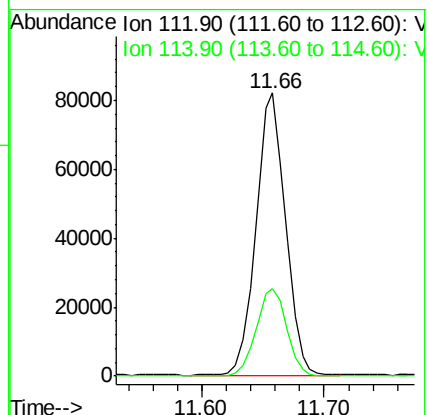
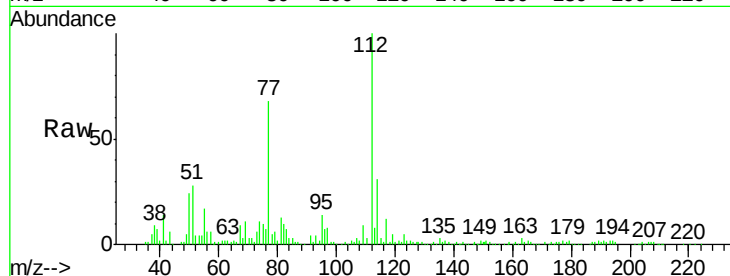
112 100

114 31.0 25.8 38.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 23.168 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

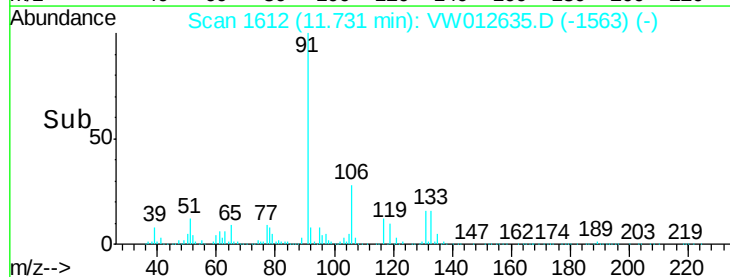
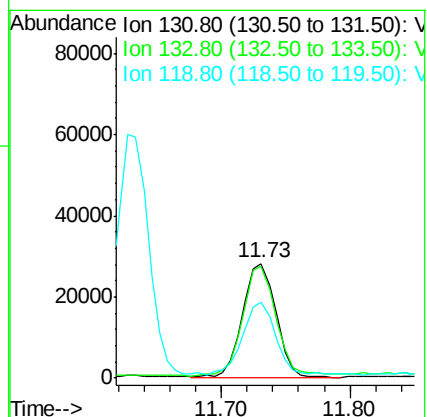
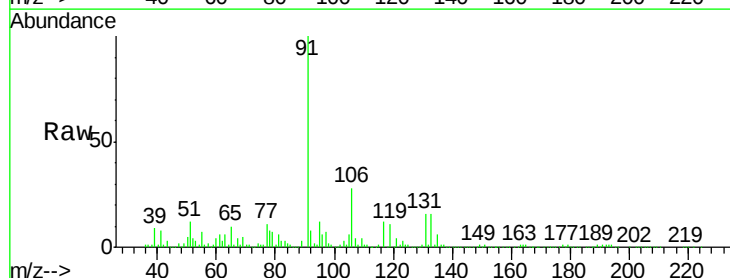
Tgt Ion:131 Resp: 50254

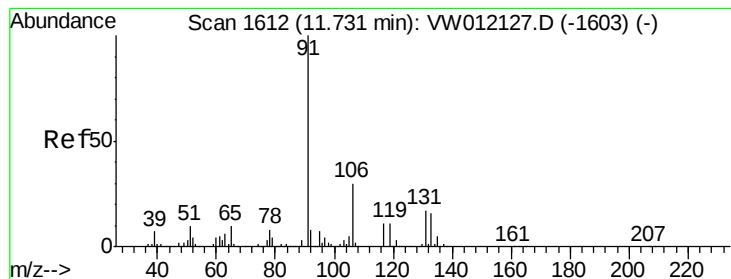
Ion Ratio Lower Upper

131 100

133 96.4 47.1 141.3

119 62.0 31.8 95.3





#67

Ethyl Benzene

Concen: 22.781 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS02

Tot Ion: 91 Resp: 272851

Ion Ratio Lower Upper

91 100

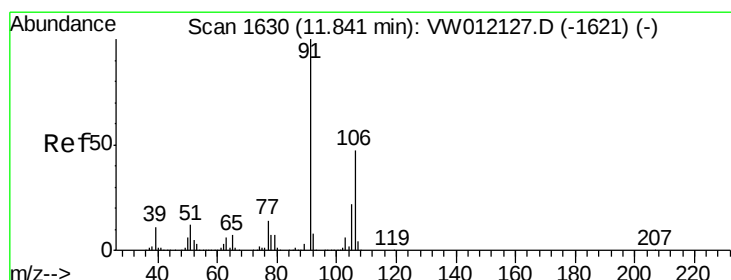
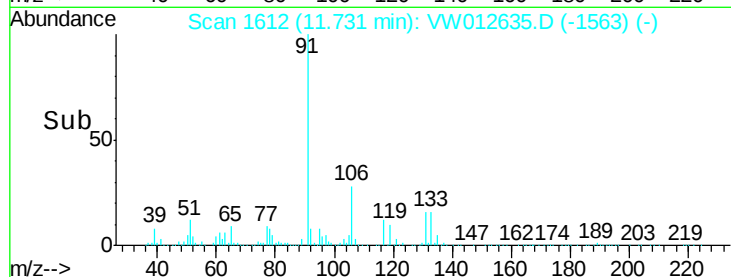
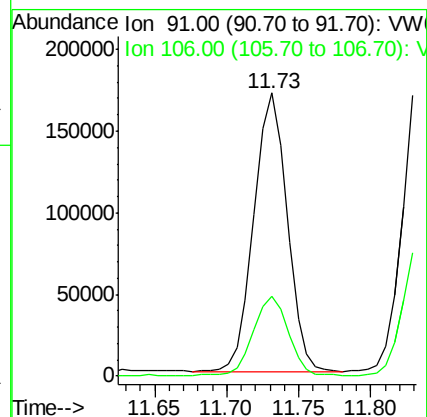
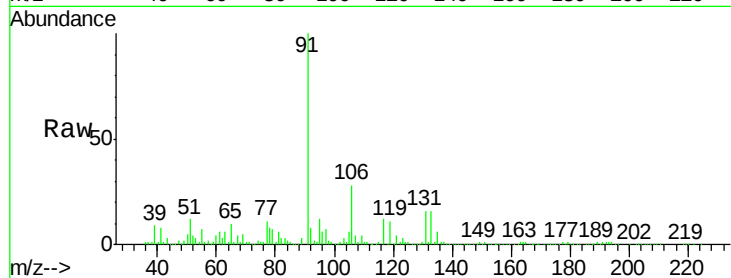
106 28.5 24.3 36.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 44.603 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012635.D

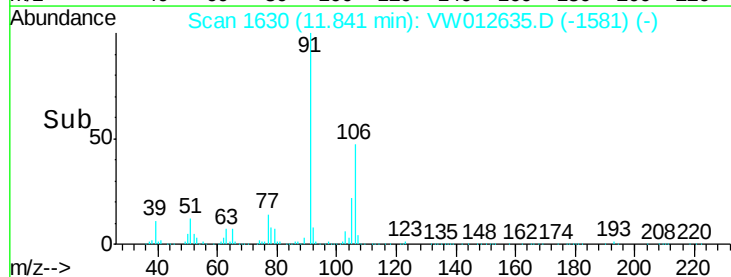
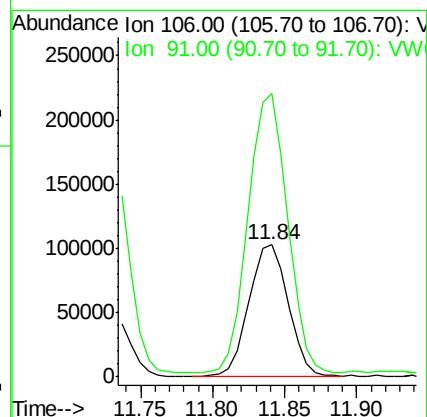
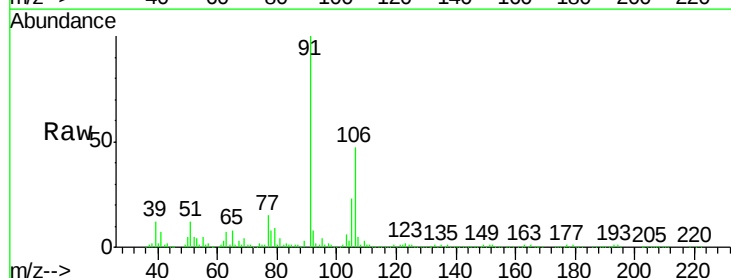
Acq: 05 Sep 2019 12:40

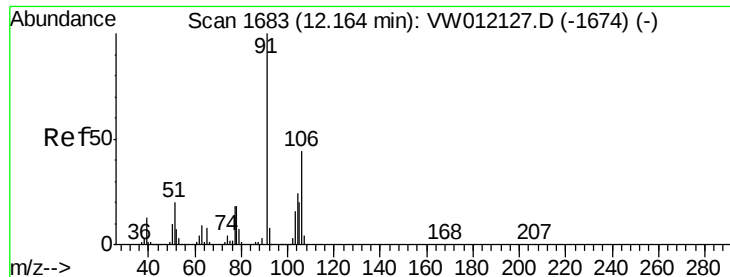
Tgt Ion: 106 Resp: 192434

Ion Ratio Lower Upper

106 100

91 213.5 169.5 254.3





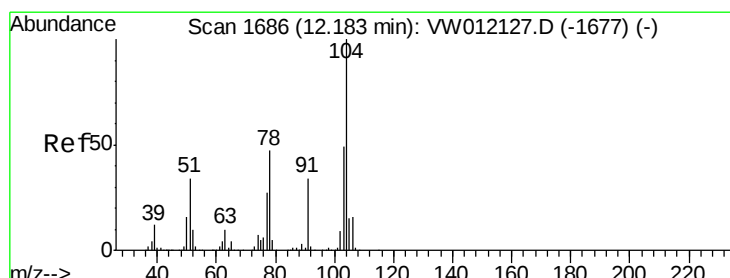
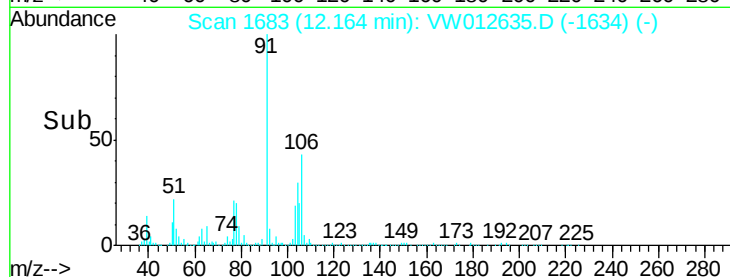
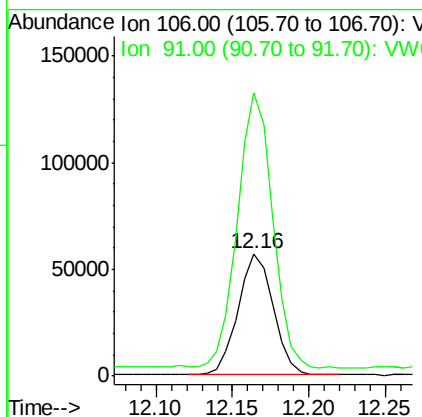
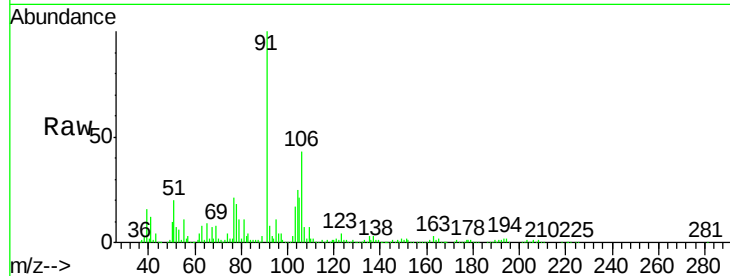
#69
o-Xylene
Concen: 22.800 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Instrument :
MSVOA_W
ClientSampled :
VW0905SBS02

Tot Ion:106 Resp: 91044
Ion Ratio Lower Upper
106 100
91 226.0 111.6 334.6

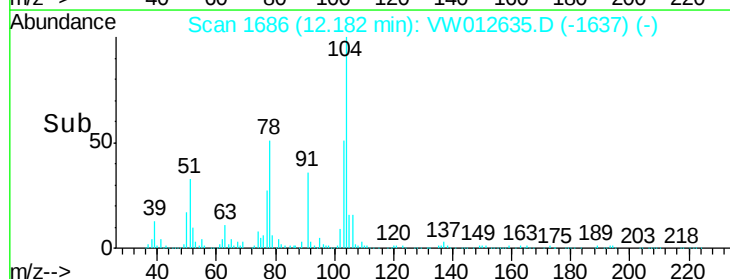
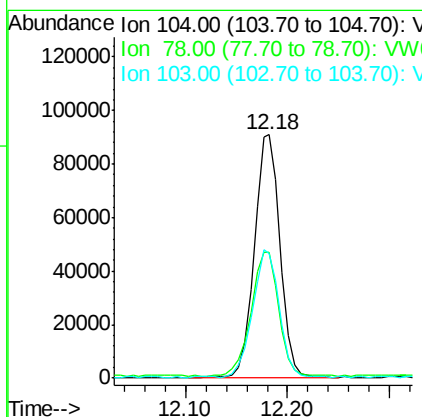
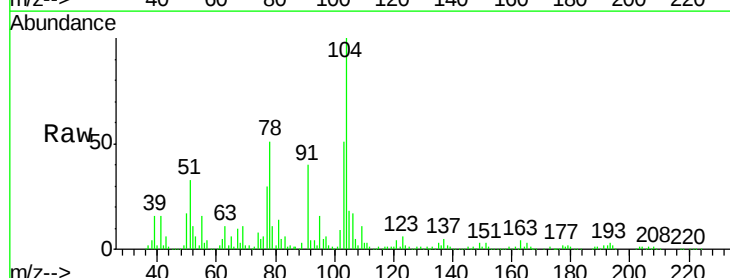
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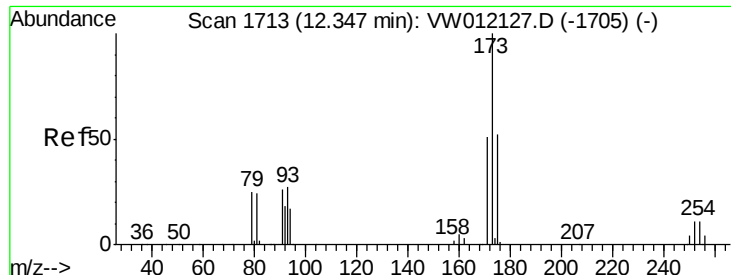
MMDadoda
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#70
Styrene
Concen: 23.221 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Tgt Ion:104 Resp: 160496
Ion Ratio Lower Upper
104 100
78 54.7 43.1 64.7
103 53.8 43.5 65.3





#71

Bromoform

Concen: 24.081 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS02

Tot Ion:173 Resp: 26024

Ion Ratio Lower Upper

173 100

175 46.4 24.6 74.0

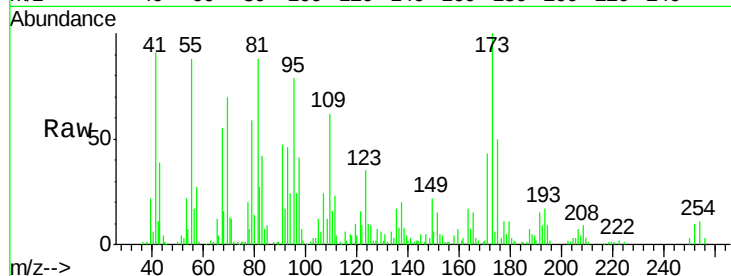
254 0.0 0.2 0.2#

Manual Integrations

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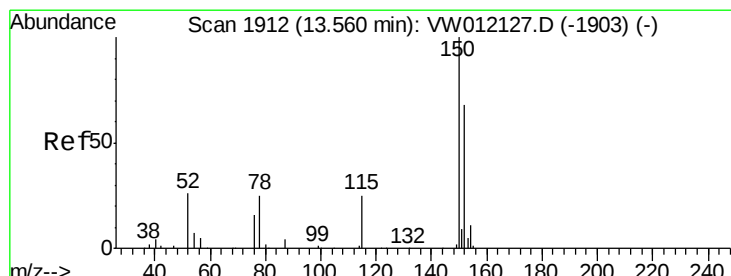
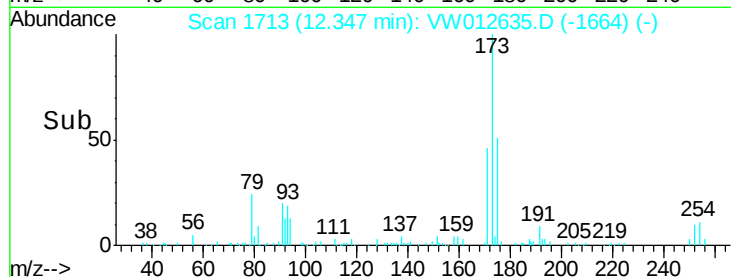
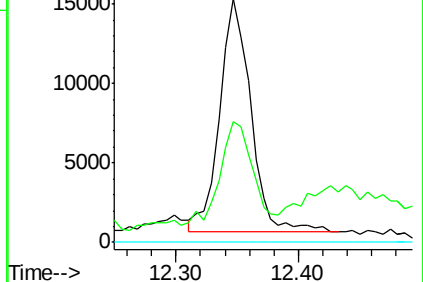
9/6/2019 12:29:21 PM



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: VW012635.D

Acq: 05 Sep 2019 12:40

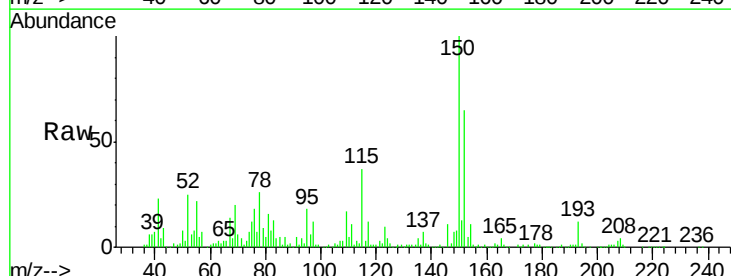
Tgt Ion:152 Resp: 168396

Ion Ratio Lower Upper

152 100

115 54.8 30.1 90.3

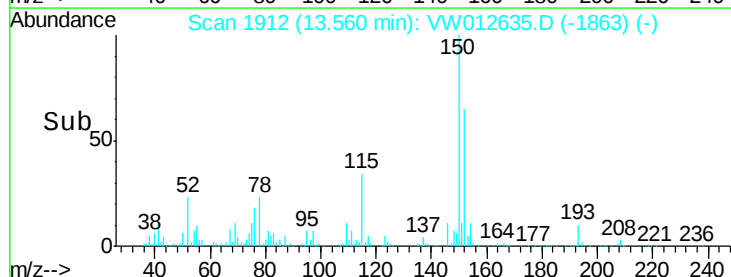
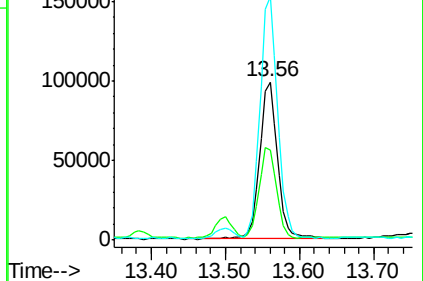
150 149.4 0.0 345.8

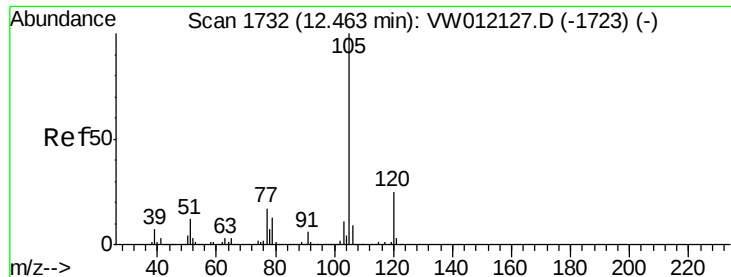


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





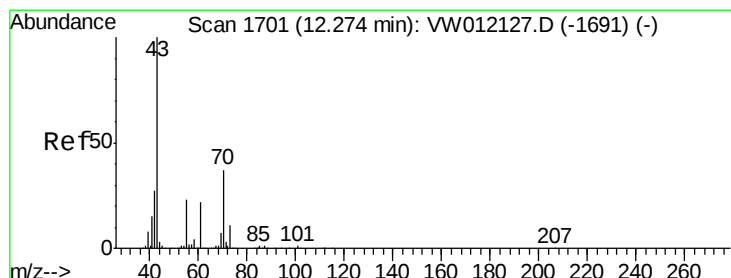
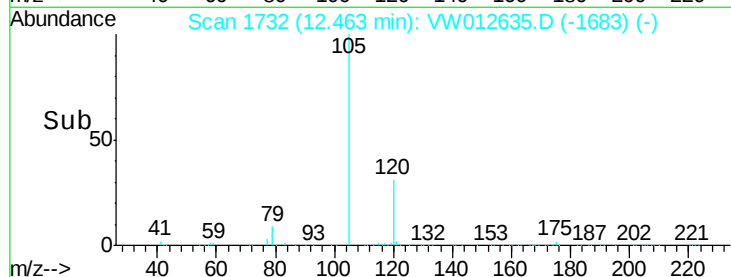
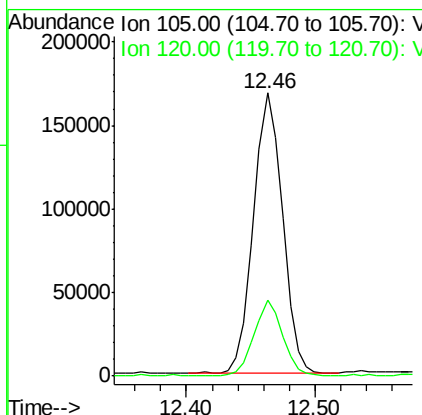
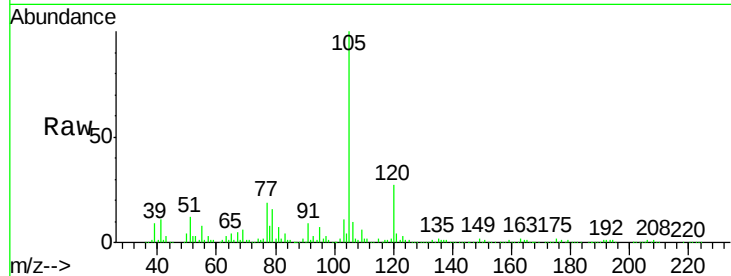
#73
Isopropylbenzene
Concen: 20.693 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.5	37.5

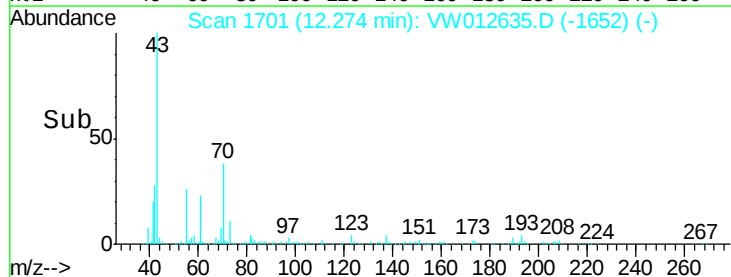
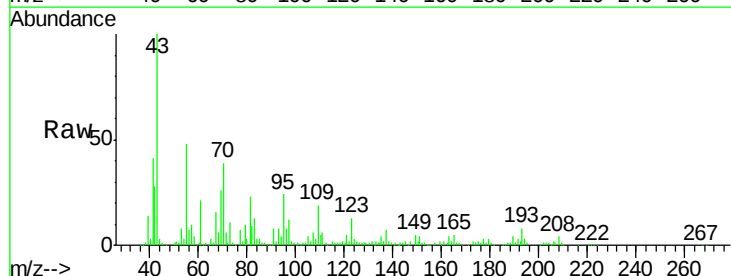
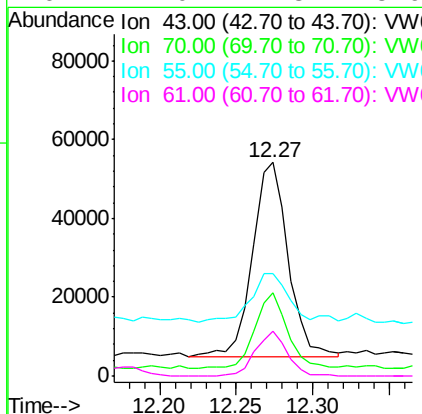
Manual Integrations
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#74
N-ethyl acetate
Concen: 20.836 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.4	28.6	43.0
55	25.9	17.8	26.6
61	21.0	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 29.371 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

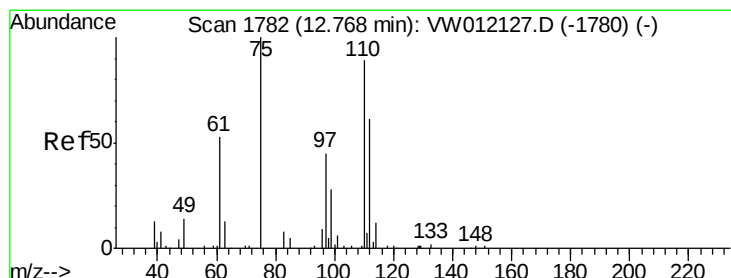
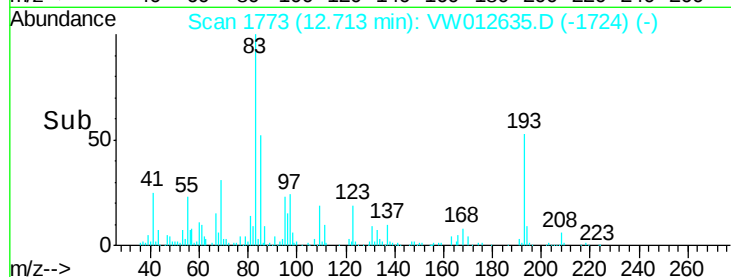
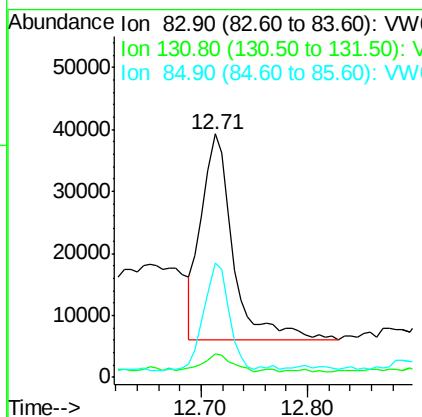
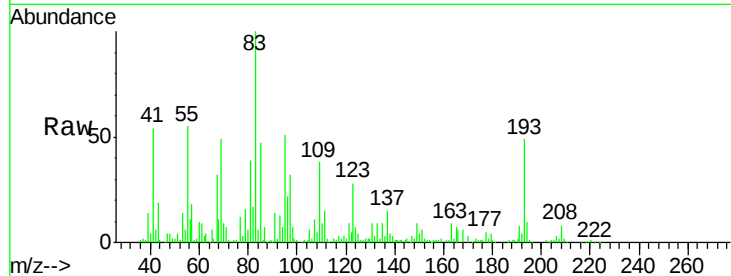
ClientSampled :

VW0905SBS02

Tot Ion:	83	Resp:	67944
Ion Ratio	Lower	Upper	
83	100		
131	7.7	4.9	14.7
85	42.0	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.237 ug/l m

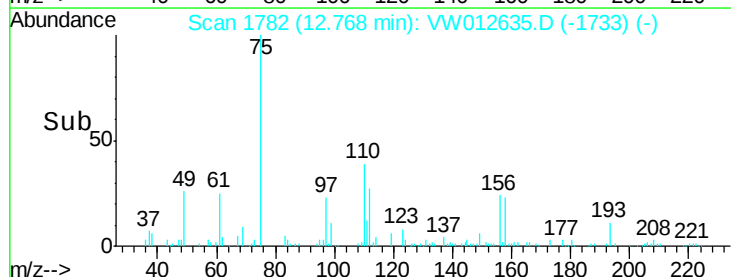
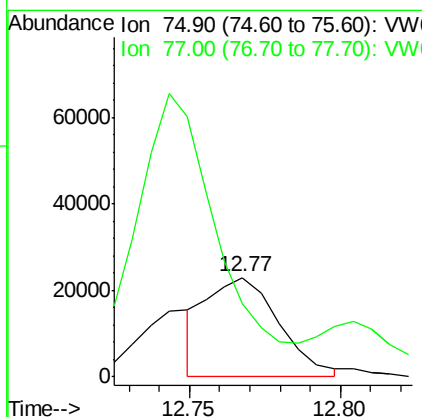
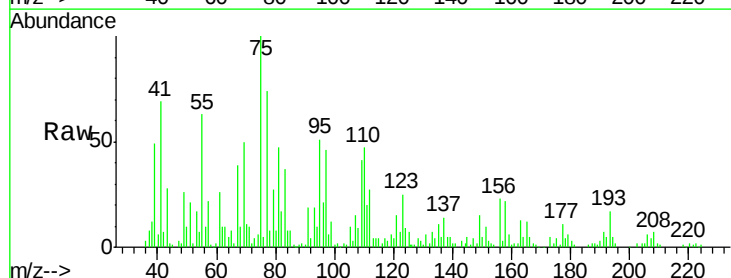
RT: 12.77 min Scan# 1782

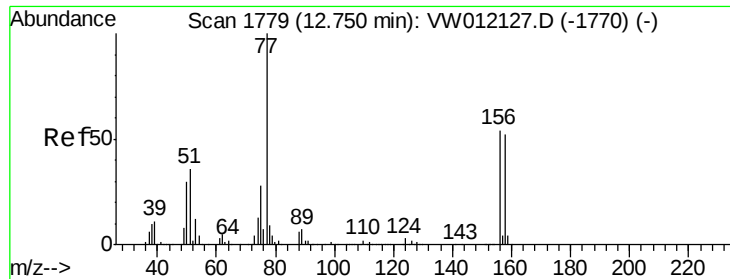
Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Tgt Ion:	75	Resp:	38110
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.451 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS02

Tot Ion:156 Resp: 55828

Ion Ratio Lower Upper

156 100

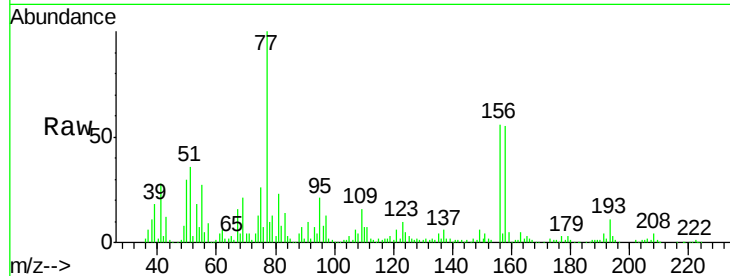
77 191.8 107.3 321.8

158 99.4 49.0 147.0

Manual Integrations
APPROVED

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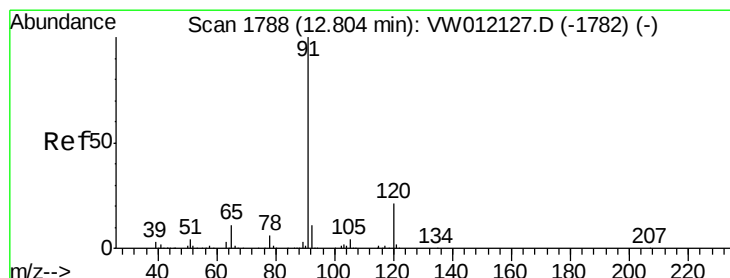
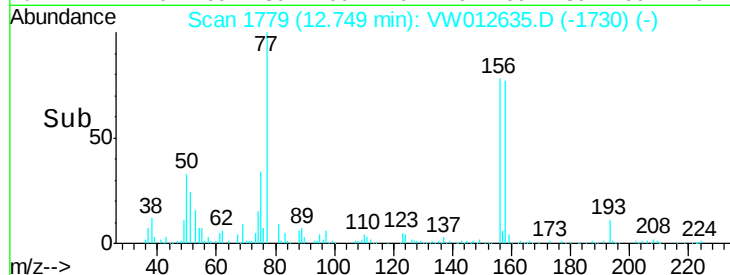
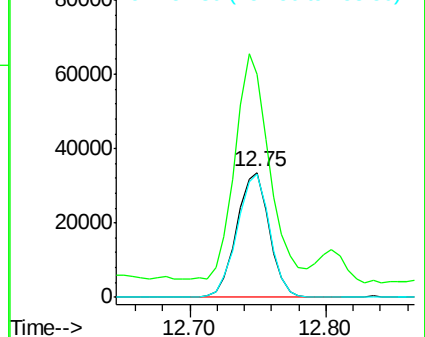
9/6/2019 12:29:21 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.502 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012635.D

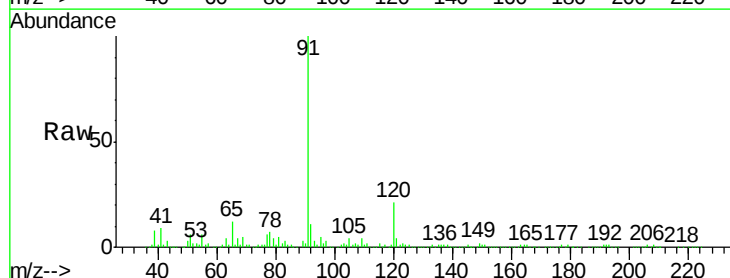
Acq: 05 Sep 2019 12:40

Tgt Ion: 91 Resp: 315815

Ion Ratio Lower Upper

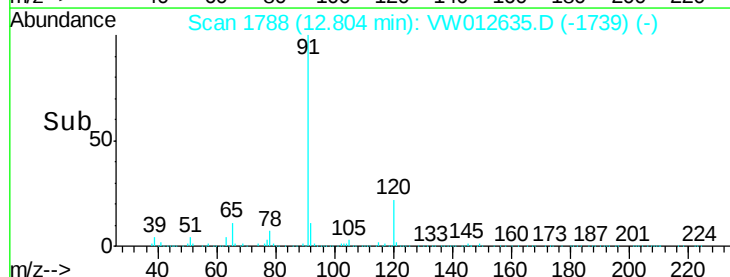
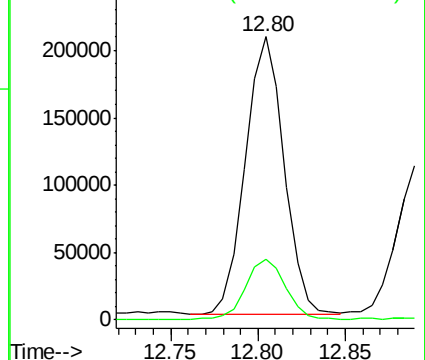
91 100

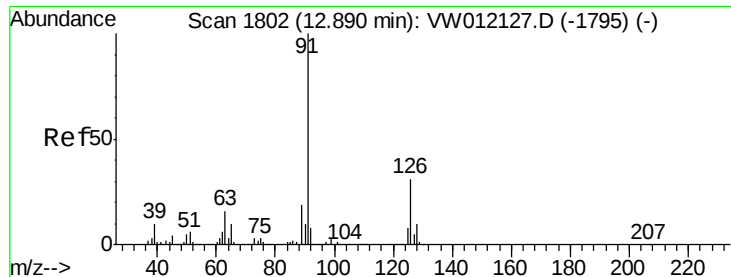
120 21.8 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.610 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

ClientSampled :

VW0905SBS02

Tot Ion: 91 Resp: 180247

Ion Ratio Lower Upper

91 100

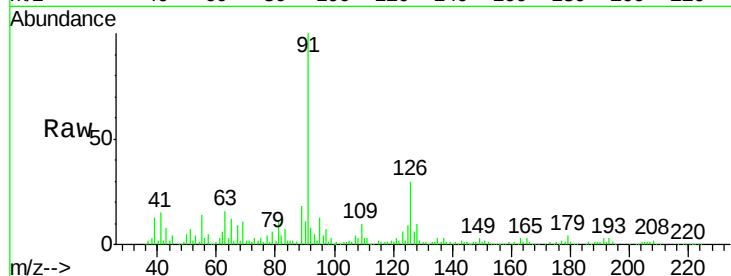
126 31.1 15.7 47.0

Manual Integrations

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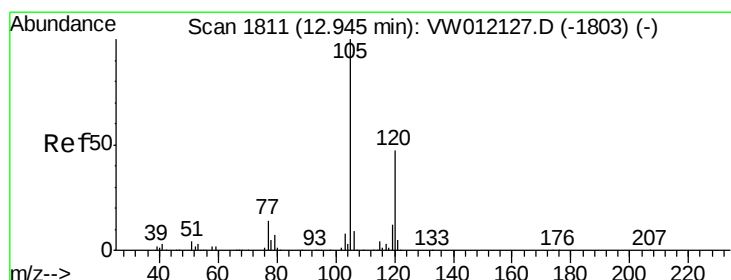
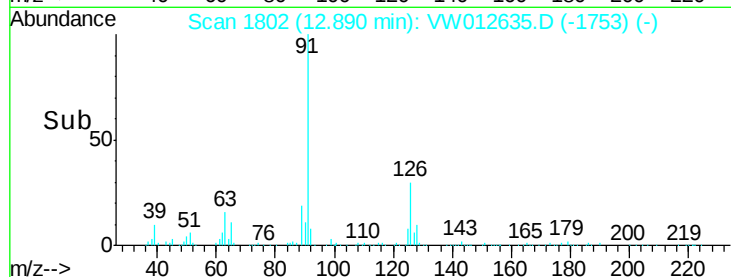
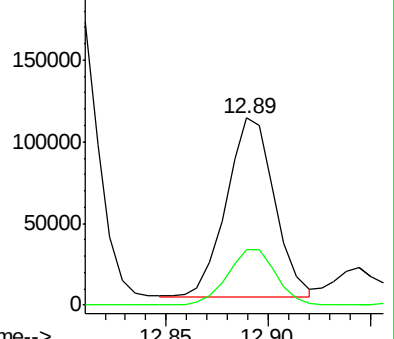
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.231 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012635.D

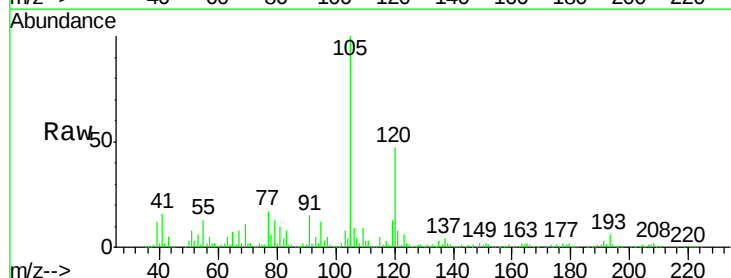
Acq: 05 Sep 2019 12:40

Tgt Ion: 105 Resp: 223855

Ion Ratio Lower Upper

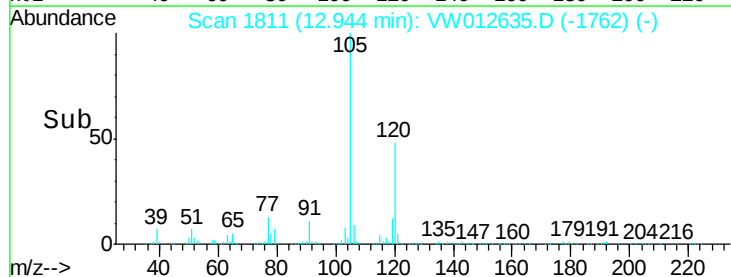
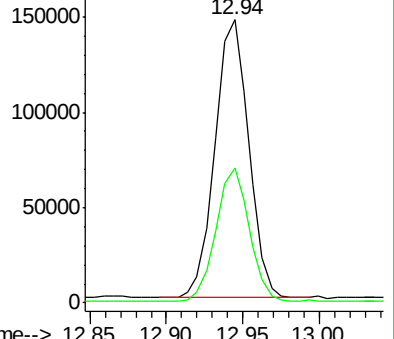
105 100

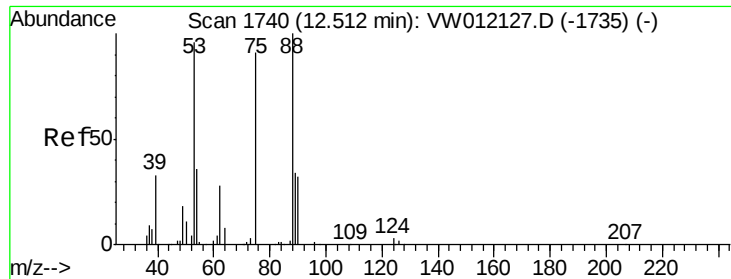
120 47.3 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





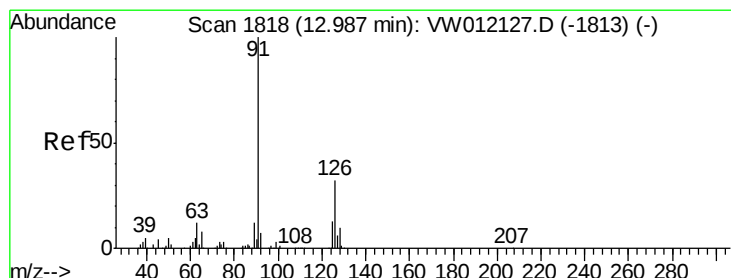
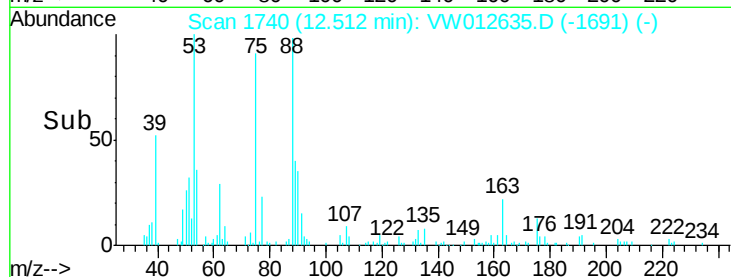
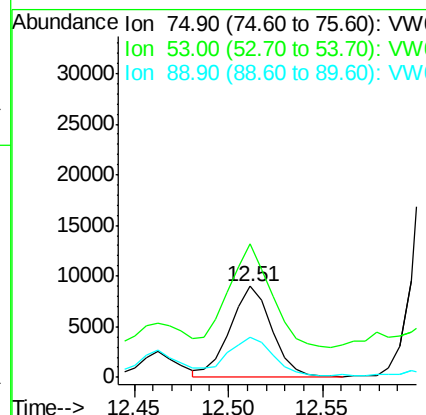
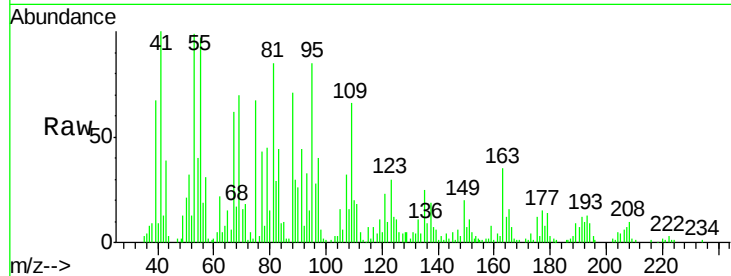
#81
trans-1,4-Dichloro-2-butene
Concen: 18.271 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.0	89.4	134.0
89	45.9	34.5	51.7

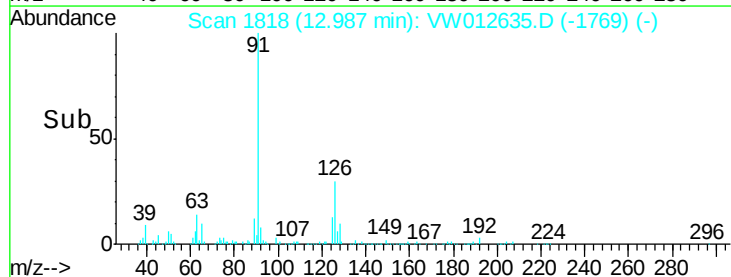
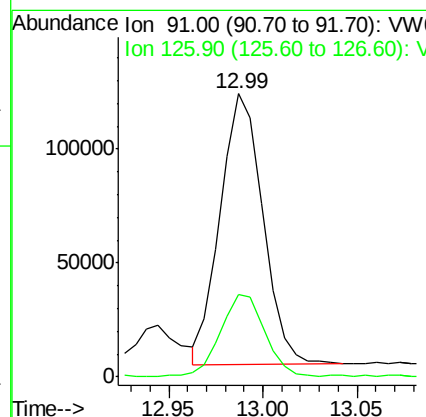
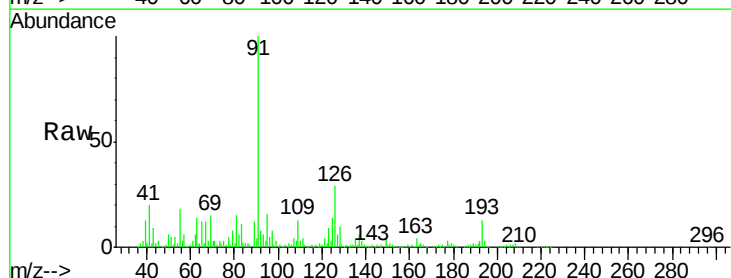
Manual Integrations
APPROVED

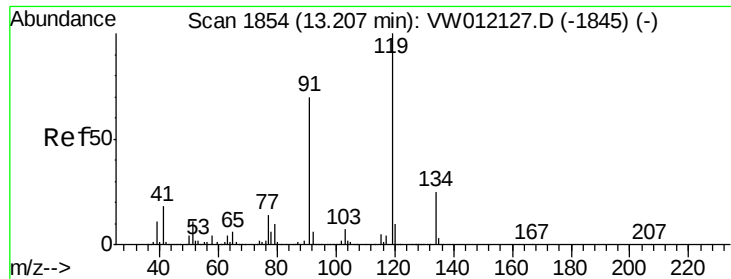
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#82
4-Chlorotoluene
Concen: 20.438 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.8





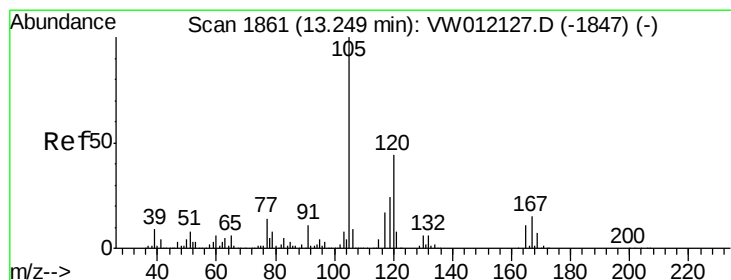
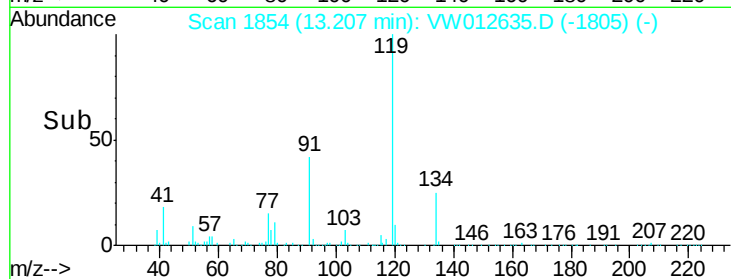
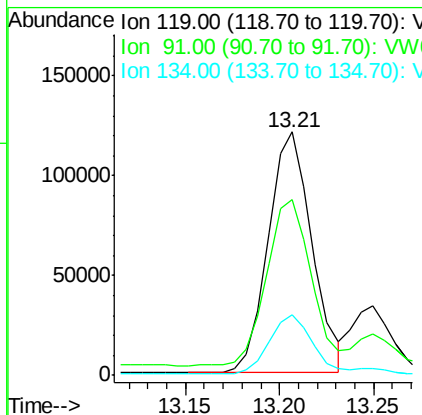
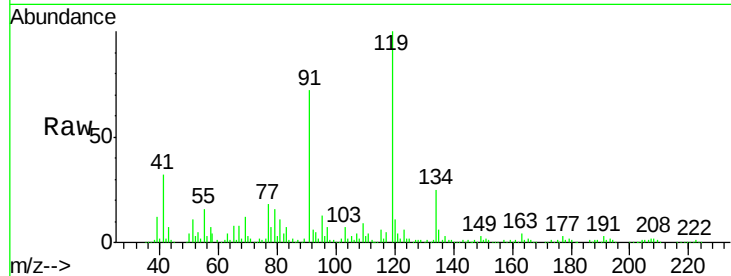
#83
tert-Butylbenzene
Concen: 21.687 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.5	34.8	104.3
134	24.3	13.3	39.8

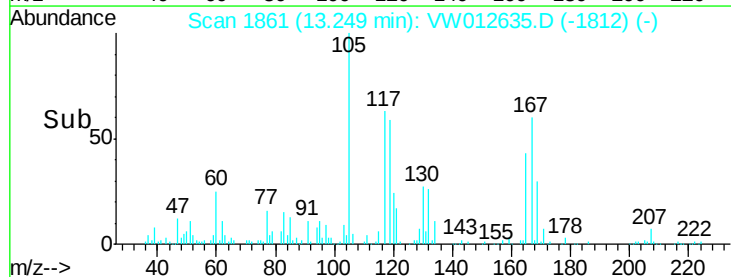
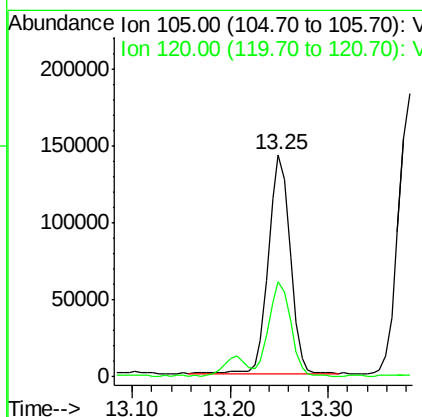
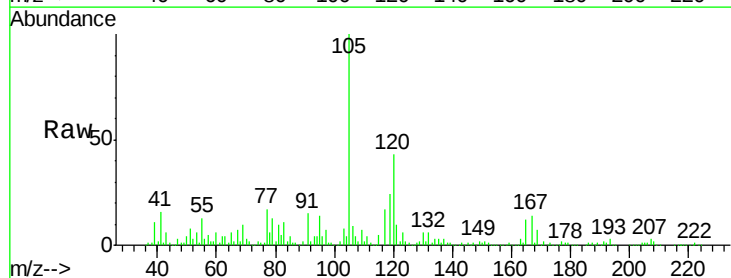
Manual Integrations
APPROVED

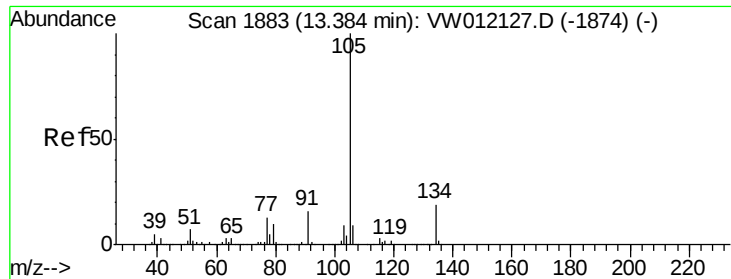
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.662 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.9	65.7





#85

sec-Butylbenzene

Concen: 21.596 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS02

Tot Ion:105 Resp: 276344

Ion Ratio Lower Upper

105 100

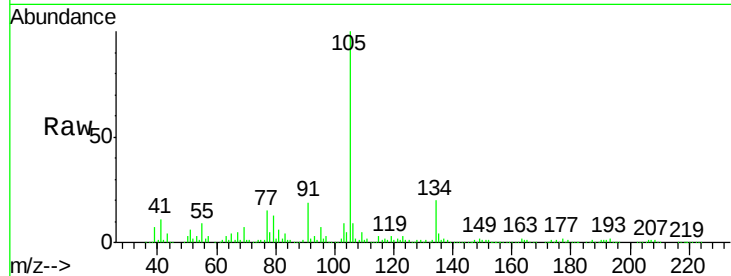
134 20.8 9.8 29.4

Manual Integrations

APPROVED

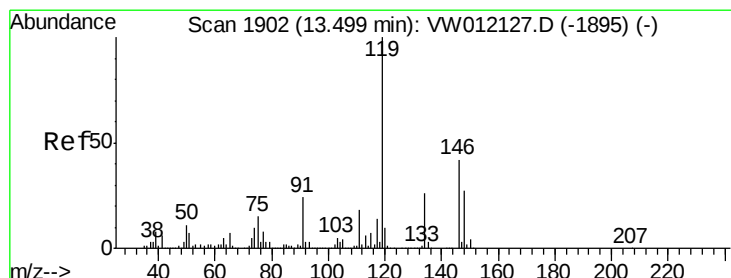
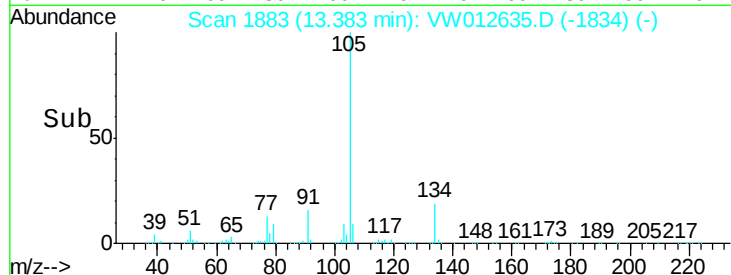
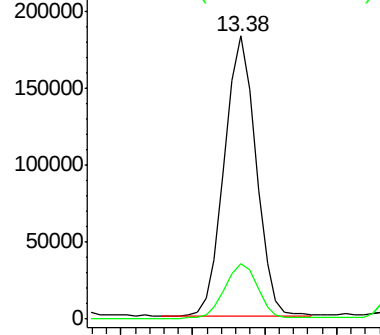
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.906 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

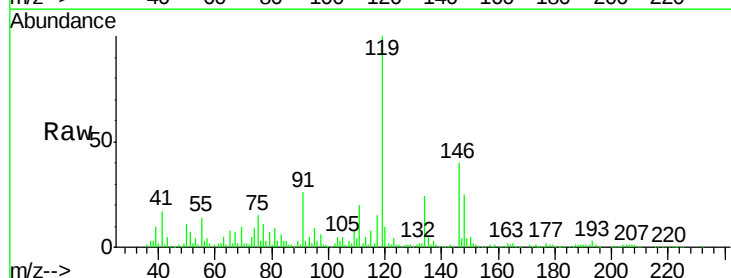
Tgt Ion:119 Resp: 250333

Ion Ratio Lower Upper

119 100

134 24.8 12.8 38.3

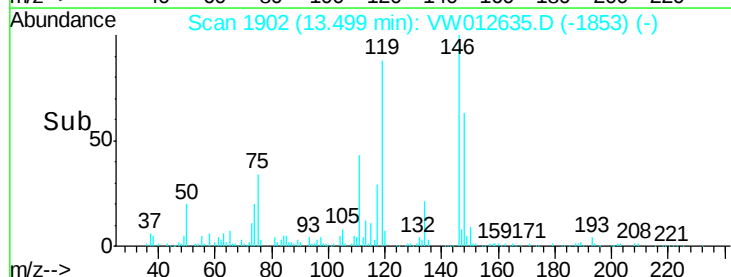
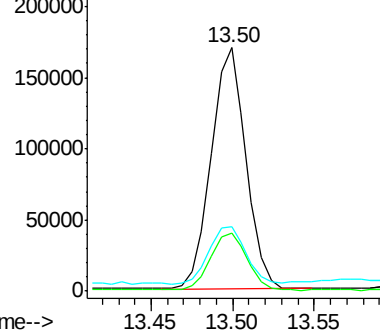
91 25.0 12.3 36.9

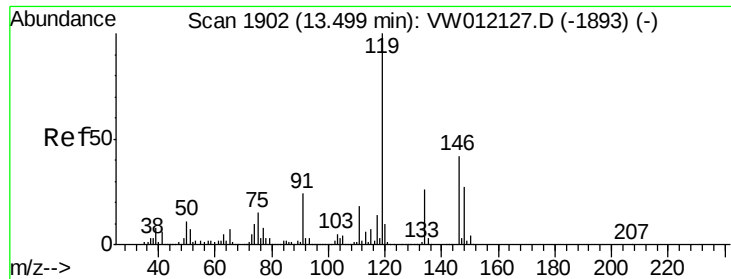


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.751 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

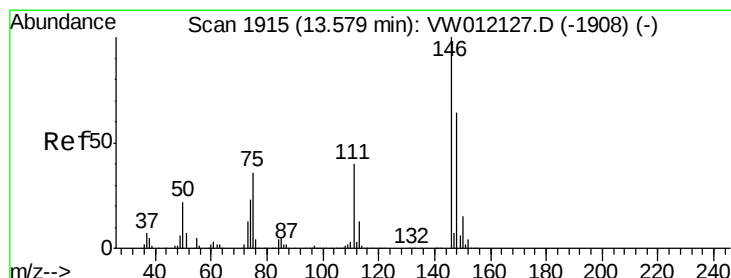
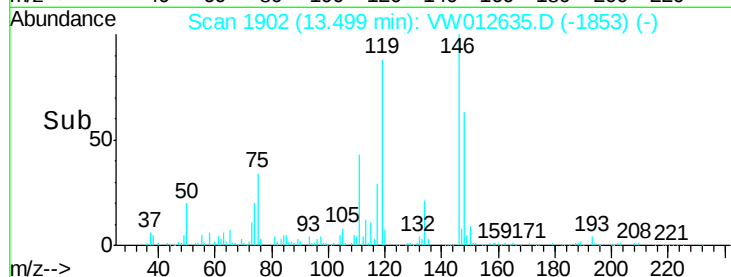
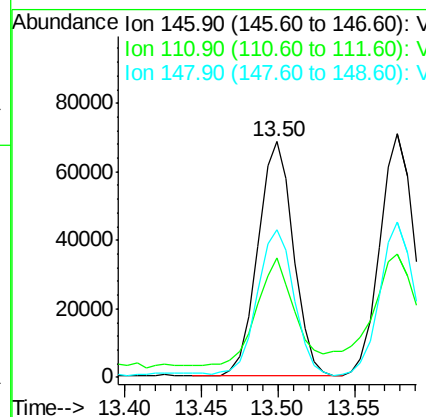
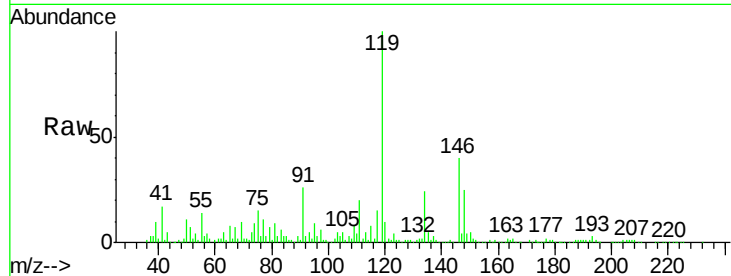
ClientSampleId :

VW0905SBS02

Tot Ion:	146	Resp:	110800
Ion Ratio	Lower	Upper	
146	100		
111	48.7	20.9	62.7
148	64.1	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.491 ug/l m

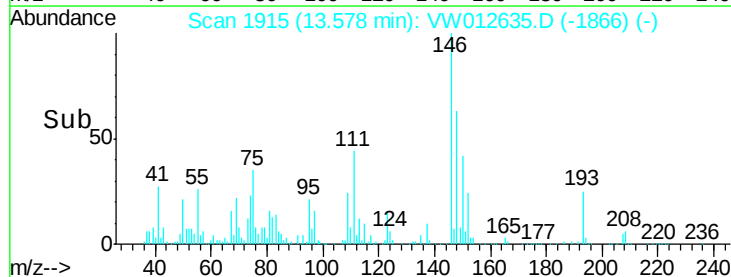
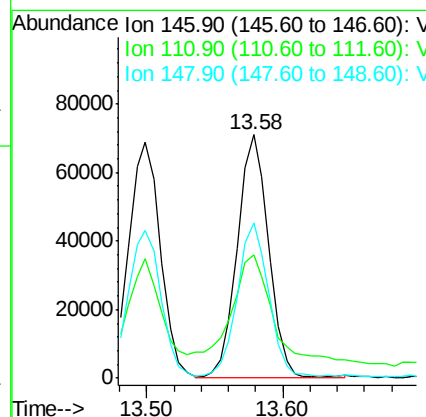
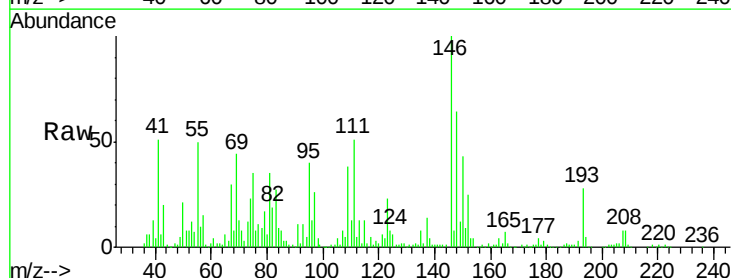
RT: 13.58 min Scan# 1915

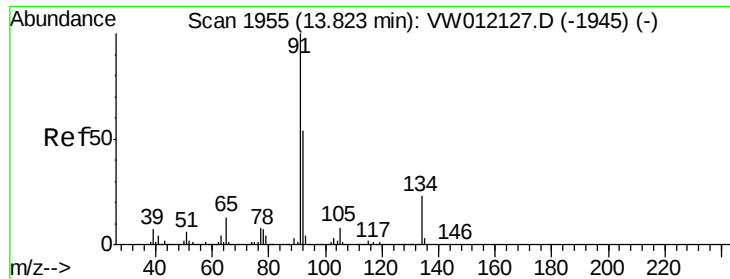
Delta R.T. -0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Tgt Ion:	146	Resp:	113935
Ion Ratio	Lower	Upper	
146	100		
111	47.4	20.0	60.0
148	62.3	32.1	96.3





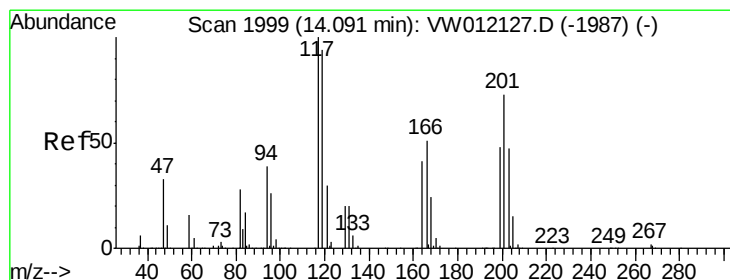
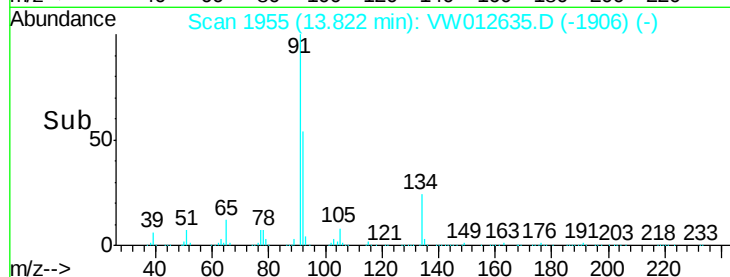
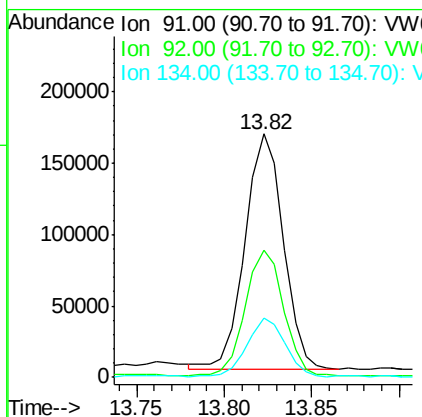
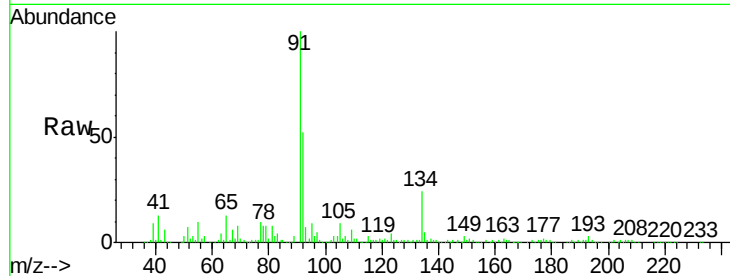
#89
n-Butylbenzene
Concen: 22.139 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.1	81.2
134	24.4	12.2	36.4

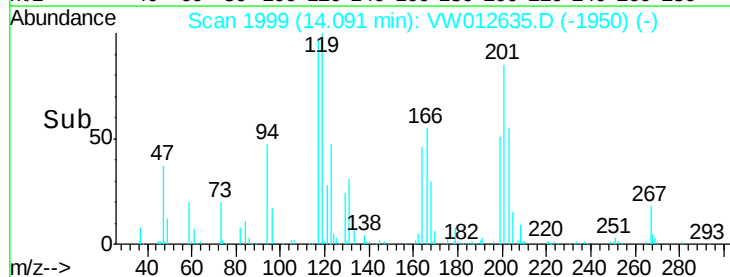
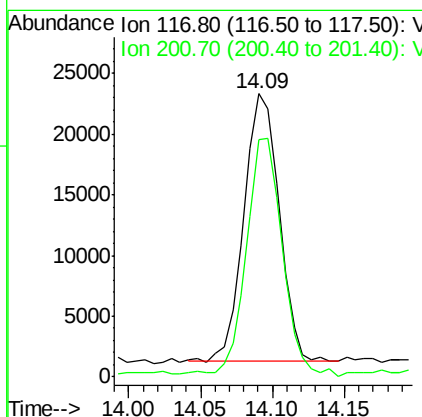
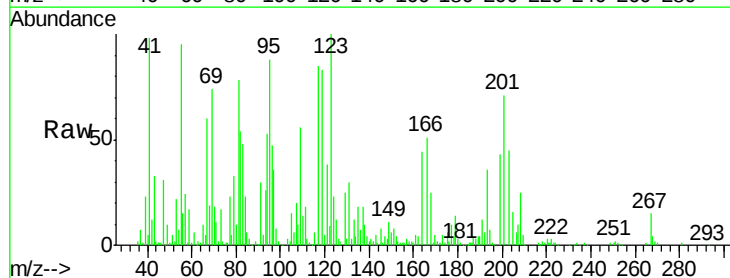
Manual Integrations
APPROVED

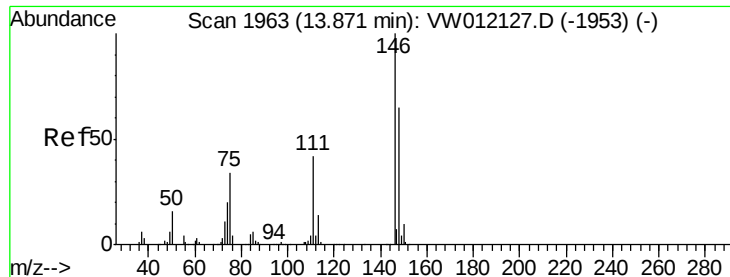
MMDadoda
9/6/2019 12:29:21 PM



#90
Hexachloroethane
Concen: 18.514 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012635.D
Acq: 05 Sep 2019 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.3	38.6	115.7





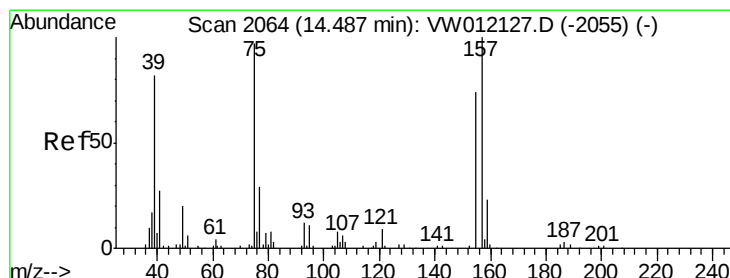
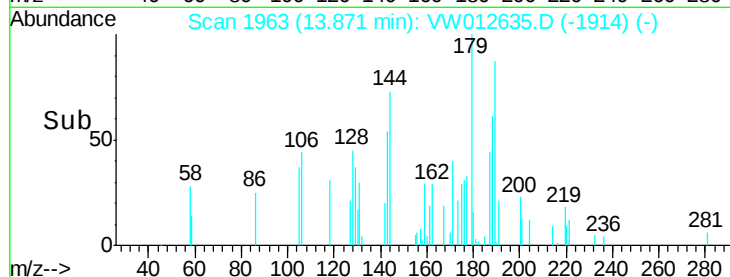
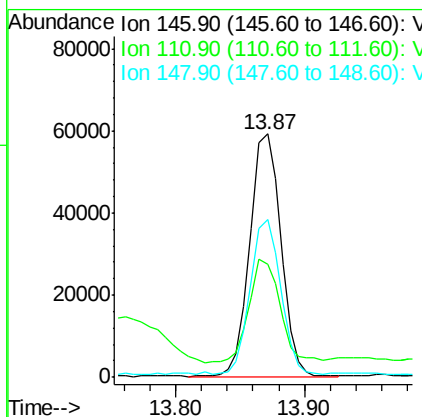
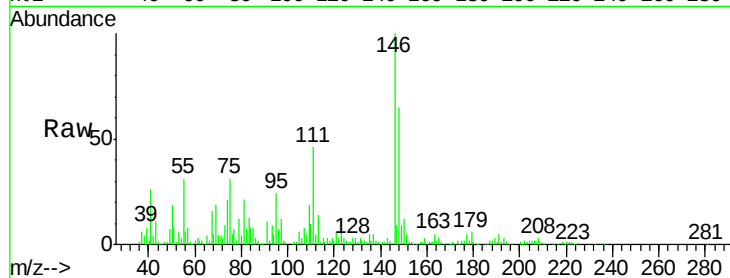
#91
 1,2-Dichlorobenzene
 Concen: 20.969 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.2	63.6
148	62.5	32.5	97.4

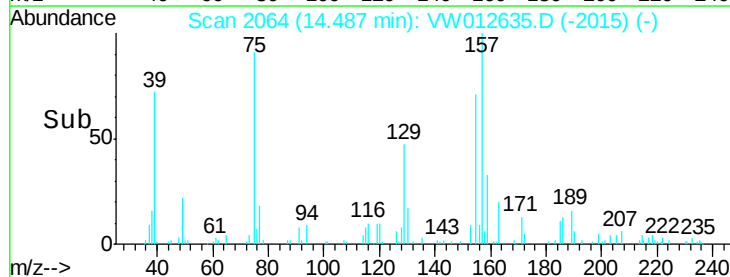
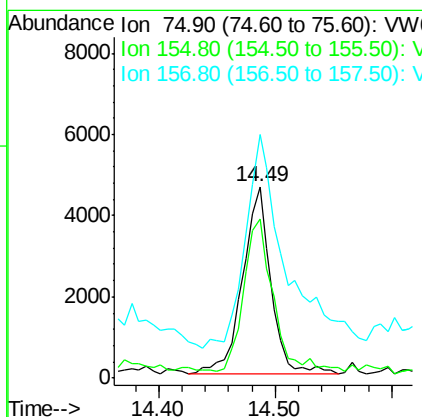
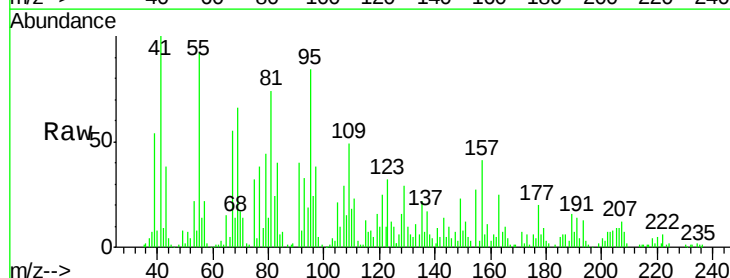
Manual Integrations
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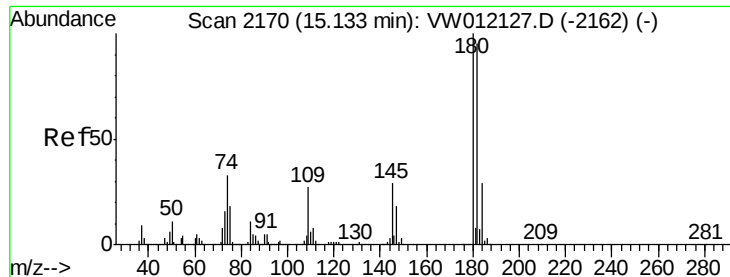
MMDadoda
 9/6/2019 12:29:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.211 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	37.5	112.3
157	162.9	50.5	151.5#





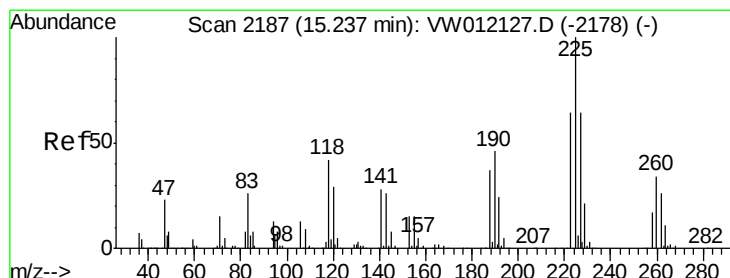
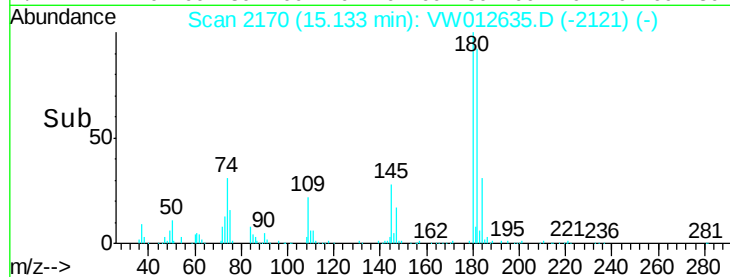
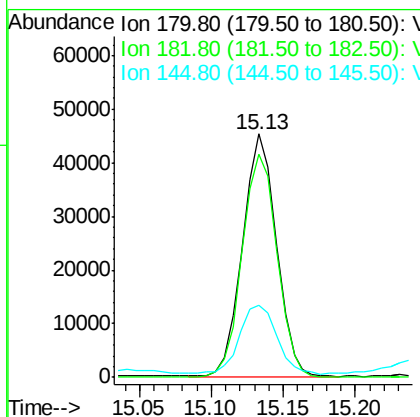
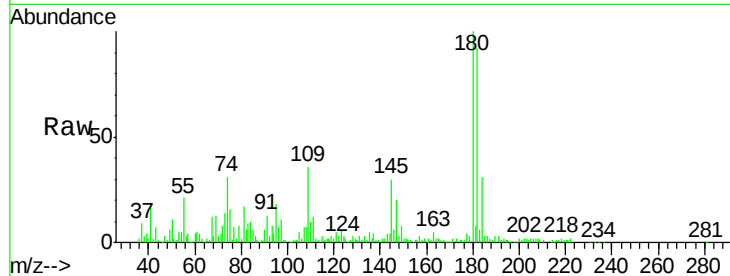
#93
 1,2,4-Trichlorobenzene
 Concen: 22.682 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	73420		
182	95.4	47.8	143.4	
145	31.5	15.0	45.1	

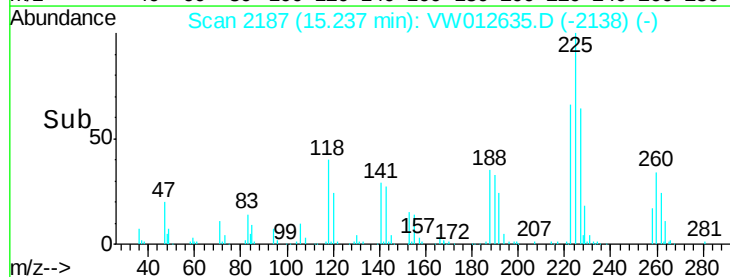
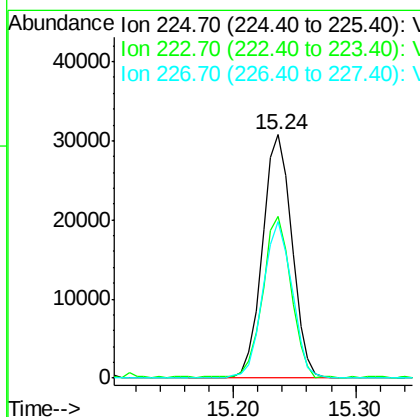
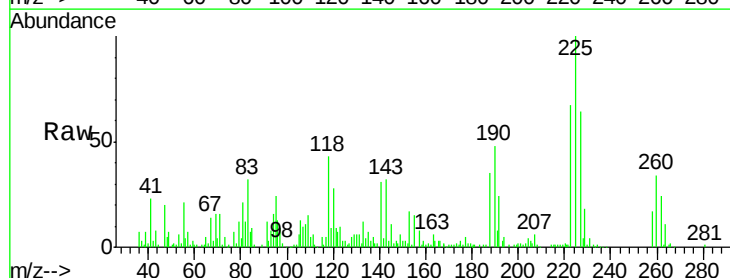
Manual Integrations
 APPROVED

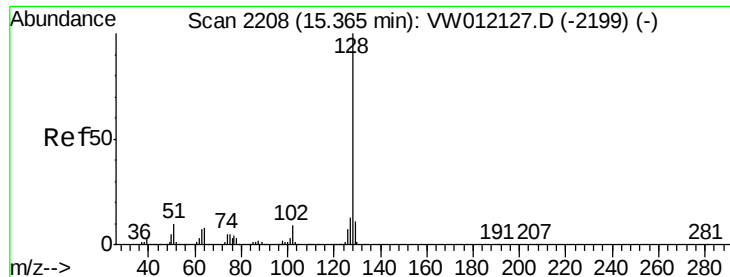
MMDadoda
 9/6/2019 12:29:21 PM



#94
 Hexachlorobutadiene
 Concen: 24.202 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012635.D
 Acq: 05 Sep 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51728		
223	64.7	32.3	96.8	
227	63.6	32.9	98.6	





#95

Naphthalene

Concen: 23.384 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Instrument :

MSVOA_W

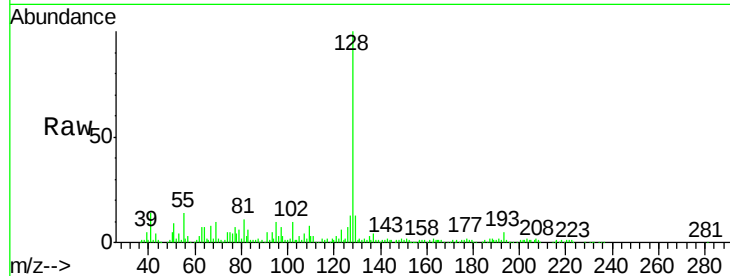
ClientSampleId :

VW0905SBS02

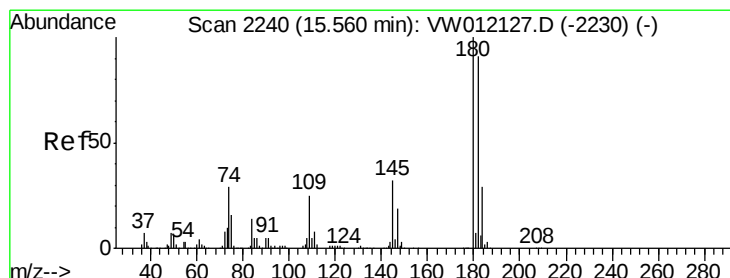
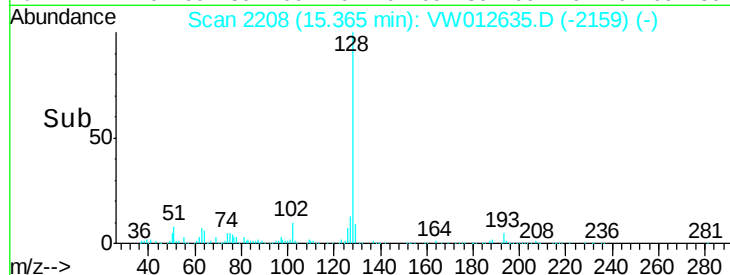
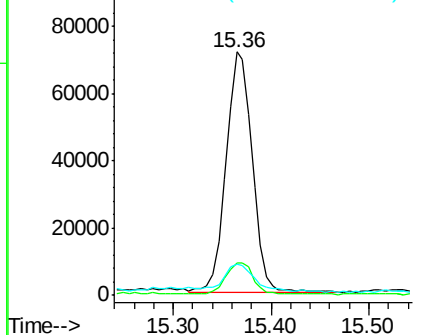
Tot Ion:	128	Resp:	132541
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.7	16.1
129	12.5	8.7	13.1

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.340 ug/l

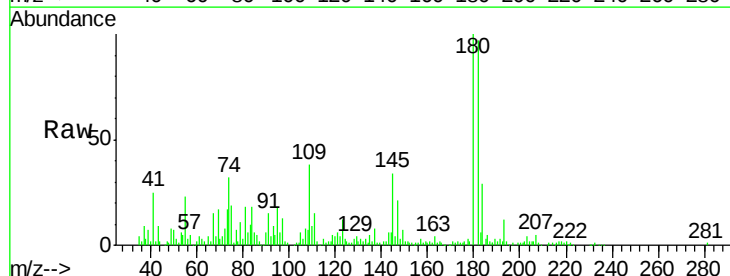
RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012635.D

Acq: 05 Sep 2019 12:40

Tgt Ion:	180	Resp:	63091
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.1	141.3
145	42.0	16.2	48.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

