

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012270.D
 Acq On : 28 Aug 2019 23:52
 Operator : SY/VA
 Sample : VW0828SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 9:41:34 AM

Quant Time: Aug 29 07:12:19 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	234951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	387186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	146464	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
35) Dibromofluoromethane	7.88	113	116187	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.32	98	463524	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.62	95	167015	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23298	16.104	ug/l	99
3) Chloromethane	2.20	50	39003	17.402	ug/l	99
4) Vinyl Chloride	2.36	62	45619	16.629	ug/l	96
5) Bromomethane	2.76	94	21950	15.799	ug/l	98
6) Chloroethane	2.90	64	26352	17.028	ug/l	92
7) Trichlorofluoromethane	3.25	101	21843	15.857	ug/l	100
8) Diethyl Ether	3.68	74	27388	20.947	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41911	17.900	ug/l	98
10) Methyl Iodide	4.26	142	56710	17.901	ug/l	99
11) Tert butyl alcohol	5.18	59	20125	119.734	ug/l	99
12) 1,1-Dichloroethene	4.03	96	40820	17.321	ug/l	99
13) Acrolein	3.89	56	14690	92.847	ug/l	98
14) Allyl chloride	4.66	41	94911	18.838	ug/l	99
15) Acrylonitrile	5.36	53	72674	112.138	ug/l	99
16) Acetone	4.12	43	62106	86.990	ug/l	100
17) Carbon Disulfide	4.38	76	104215	14.632	ug/l	100
18) Methyl Acetate	4.67	43	44888	25.385	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	83619	21.941	ug/l	98
20) Methylene Chloride	4.91	84	54186	20.076	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	47985	18.988	ug/l	94
22) Diisopropyl ether	6.31	45	199978	21.414	ug/l	97
23) Vinyl Acetate	6.25	43	600048	104.406	ug/l	99
24) 1,1-Dichloroethane	6.21	63	101178	19.898	ug/l	100
25) 2-Butanone	7.17	43	100119	103.197	ug/l	99
26) 2,2-Dichloropropane	7.16	77	52167	18.126	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	54925	20.342	ug/l	99
28) Bromochloromethane	7.51	49	49180	22.191	ug/l	97
29) Tetrahydrofuran	7.53	42	68157	117.096	ug/l	99
30) Chloroform	7.67	83	95219	20.468	ug/l	97
31) Cyclohexane	7.95	56	86576	17.209	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	70474	19.150	ug/l	100
36) 1,1-Dichloropropene	8.08	75	72276	18.064	ug/l	99
37) Ethyl Acetate	7.25	43	47393	21.615	ug/l	99
38) Carbon Tetrachloride	8.06	117	62543	18.060	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	77429	17.226	ug/l	99
40) Benzene	8.32	78	210307	19.249	ug/l	99
41) Methacrylonitrile	7.49	41	30891	23.972	ug/l	94
42) 1,2-Dichloroethane	8.40	62	70102	20.473	ug/l	100
43) Isopropyl Acetate	8.42	43	87065	21.438	ug/l	100
44) Trichloroethene	9.09	130	51032	19.215	ug/l	95
45) 1,2-Dichloropropane	9.37	63	58827	20.007	ug/l	98
46) Dibromomethane	9.46	93	27178	20.774	ug/l	99
47) Bromodichloromethane	9.64	83	69268	19.894	ug/l	99
48) Methyl methacrylate	9.43	41	40957	21.189	ug/l	97
49) 1,4-Dioxane	9.46	88	8817	440.240	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	232085	112.352	ug/l	99
52) Toluene	10.38	92	127814	19.474	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	70648	19.920	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	82890	19.356	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38269	20.675	ug/l	97
56) Ethyl methacrylate	10.65	69	57388	21.302	ug/l	98
57) 1,3-Dichloropropane	10.93	76	73273	20.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	150705	109.001	ug/l	100
59) 2-Hexanone	10.97	43	154488	105.697	ug/l	100
60) Dibromochloromethane	11.13	129	42059	20.400	ug/l	99
61) 1,2-Dibromoethane	11.23	107	36206	20.996	ug/l	99
64) Tetrachloroethene	10.86	164	42051	19.133	ug/l	99
65) Chlorobenzene	11.66	112	131611	19.717	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	46395	19.923	ug/l	98
67) Ethyl Benzene	11.73	91	247622	19.258	ug/l	99
68) m/p-Xylenes	11.84	106	178326	38.501	ug/l	100
69) o-Xylene	12.16	106	84357	19.678	ug/l	100
70) Styrene	12.18	104	147371	19.861	ug/l	100
71) Bromoform	12.35	173	23793	20.508	ug/l #	99
73) Isopropylbenzene	12.46	105	235224	19.094	ug/l	99
74) N-amyl acetate	12.27	43	79797	21.439	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47611	21.080	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	39433m	24.626	ug/l	
77) Bromobenzene	12.74	156	52959	19.871	ug/l	100
78) n-propylbenzene	12.80	91	285734	18.999	ug/l	99
79) 2-Chlorotoluene	12.89	91	164943	19.317	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	199251	19.356	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14149	19.374	ug/l	99
82) 4-Chlorotoluene	12.99	91	175016	19.575	ug/l	99
83) tert-Butylbenzene	13.21	119	169739	19.465	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	199831	19.325	ug/l	100
85) sec-Butylbenzene	13.38	105	240794	19.274	ug/l	100
86) p-Isopropyltoluene	13.50	119	214959	19.267	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102279	19.620	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	102787	19.858	ug/l	98
89) n-Butylbenzene	13.82	91	210135	18.940	ug/l	100
90) Hexachloroethane	14.09	117	36347	18.569	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	92321	20.187	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7769	20.404	ug/l	99

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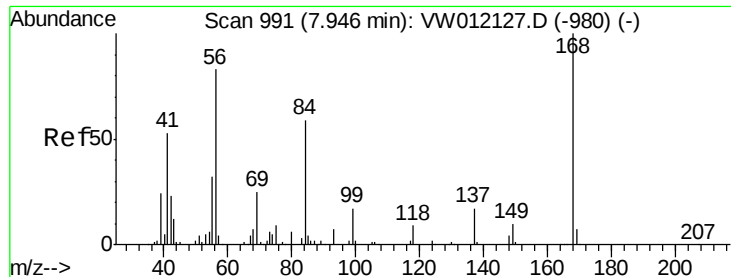
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62661	19.827	ug/l	99
94) Hexachlorobutadiene	15.24	225	40824	19.563	ug/l	98
95) Naphthalene	15.36	128	116957	21.551	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	55093	19.981	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

Tot Ion:168 Resp: 234951

Ion Ratio Lower Upper

168 100

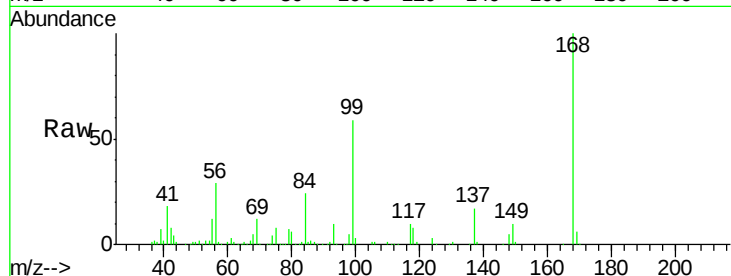
99 59.0 49.2 73.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

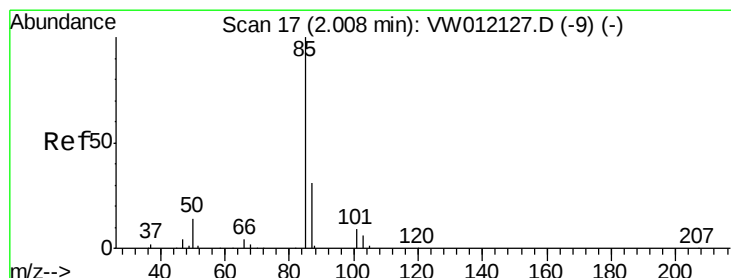
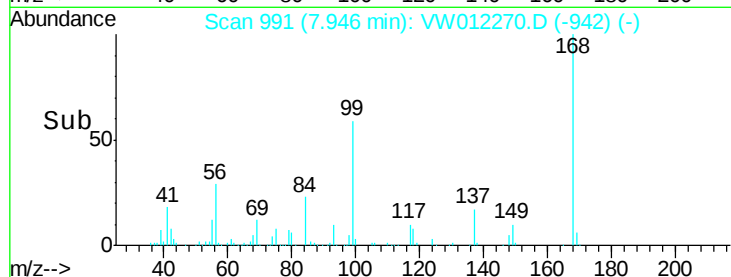
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 16.104 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012270.D

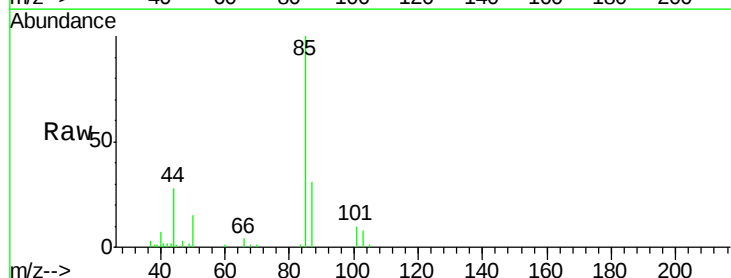
Acq: 28 Aug 2019 23:52

Tgt Ion: 85 Resp: 23298

Ion Ratio Lower Upper

85 100

87 30.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

10000

8000

6000

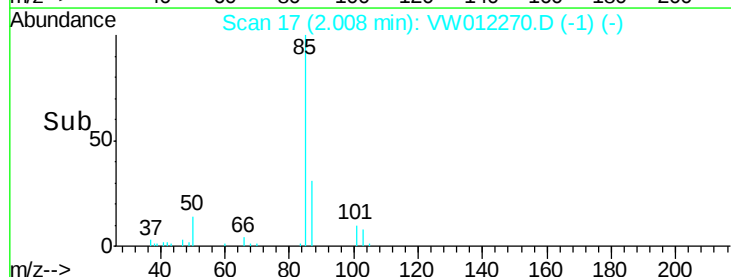
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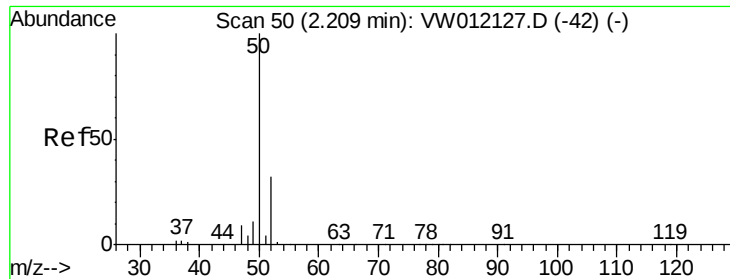
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 17.402 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

Tot Ion: 50 Resp: 39003

Ion Ratio Lower Upper

50 100

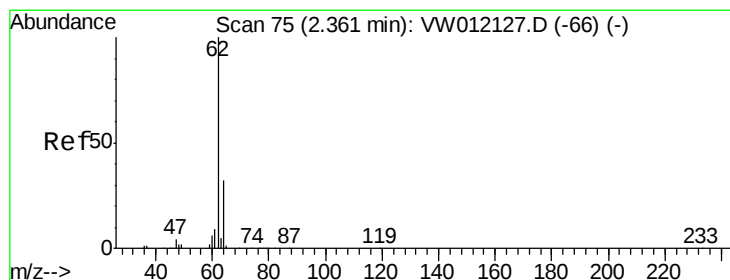
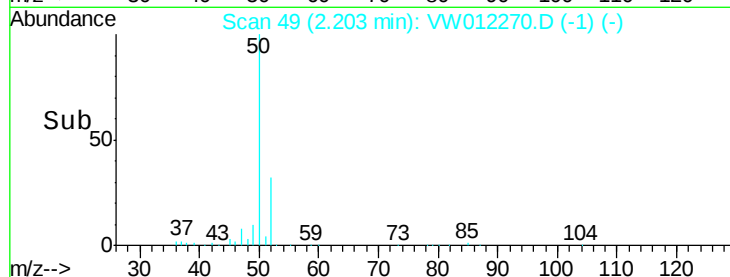
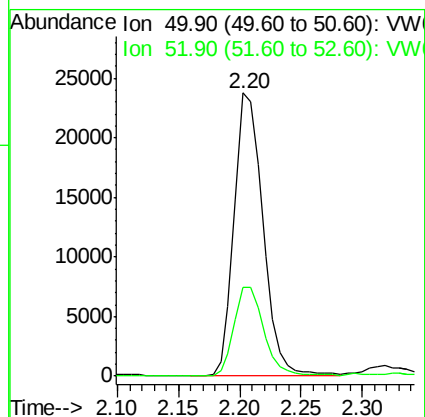
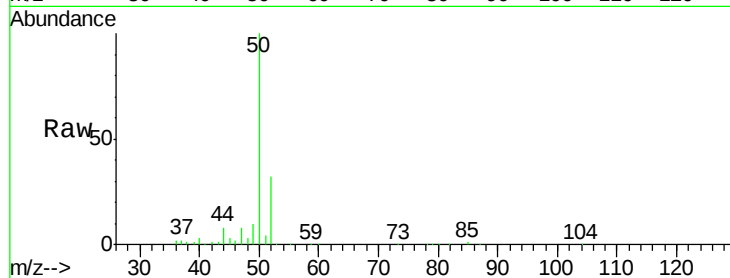
52 31.6 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.629 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012270.D

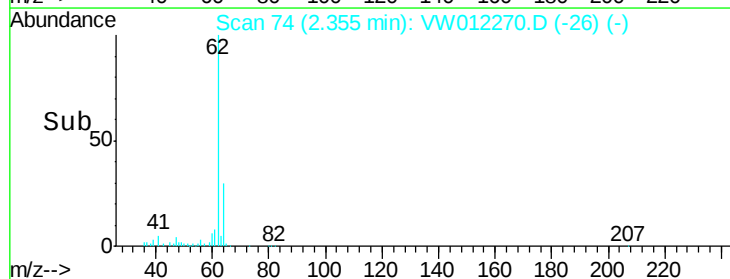
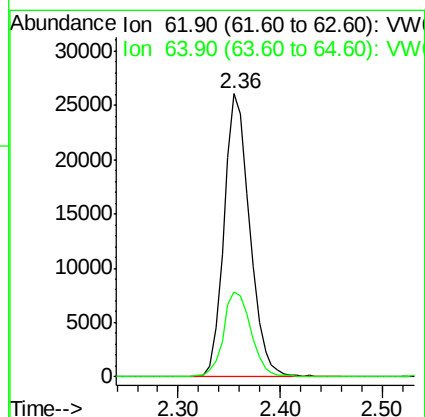
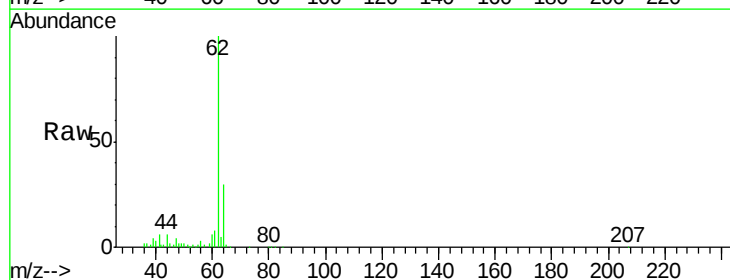
Acq: 28 Aug 2019 23:52

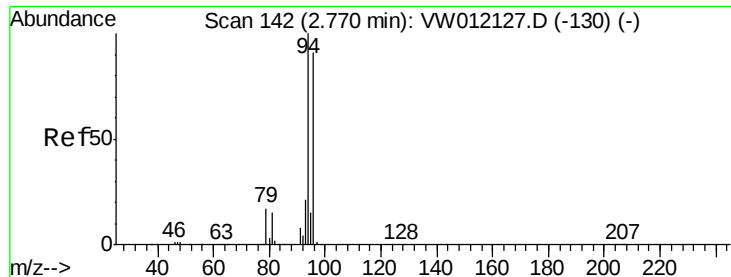
Tgt Ion: 62 Resp: 45619

Ion Ratio Lower Upper

62 100

64 29.5 25.3 37.9





#5

Bromomethane

Concen: 15.799 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

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ClientSampleId :

VW0828SBS02

Tot Ion: 94 Resp: 21950

Ion Ratio Lower Upper

94 100

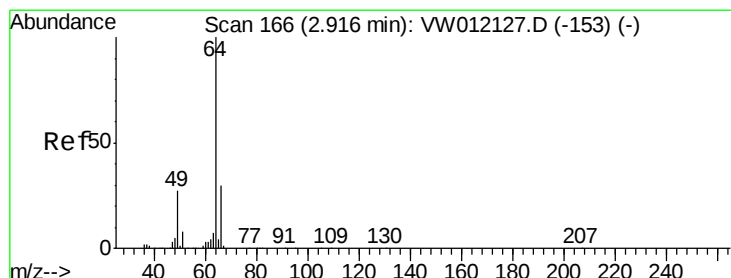
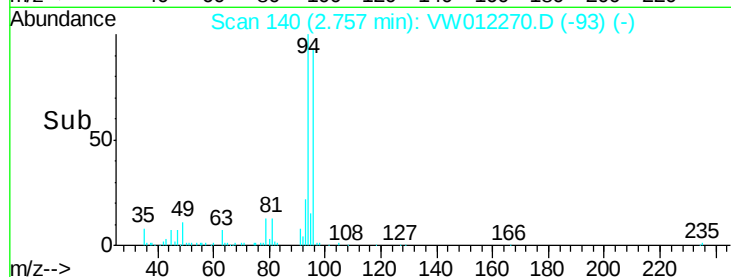
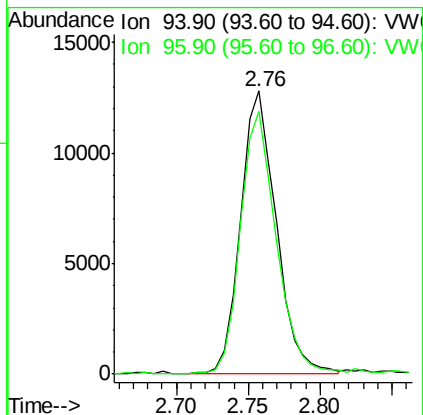
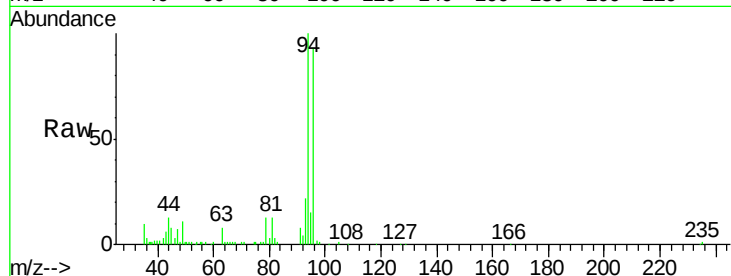
96 92.9 72.9 109.3

Manual Integrations

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8/29/2019 9:41:34 AM



#6

Chloroethane

Concen: 17.028 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW012270.D

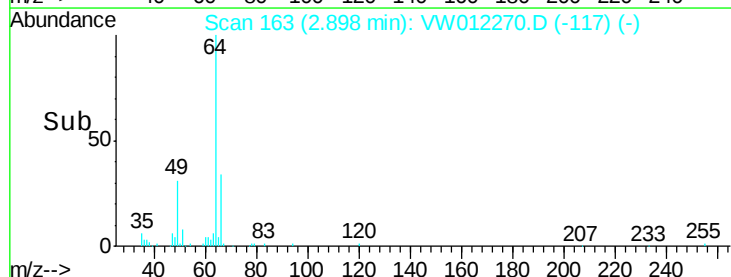
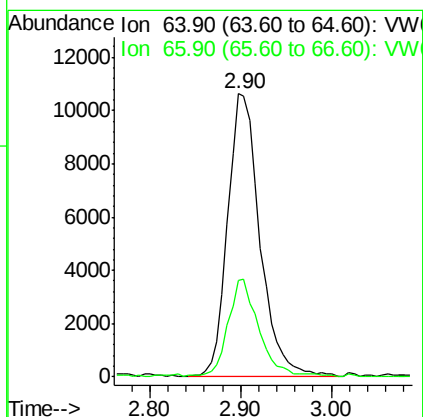
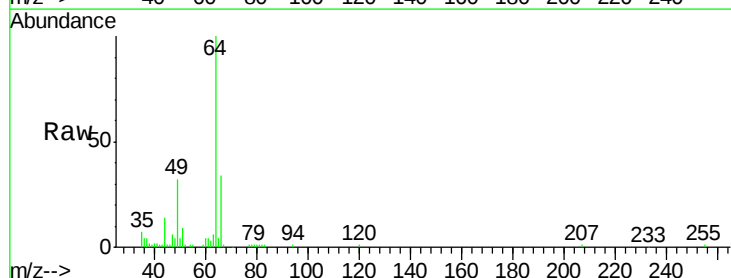
Acq: 28 Aug 2019 23:52

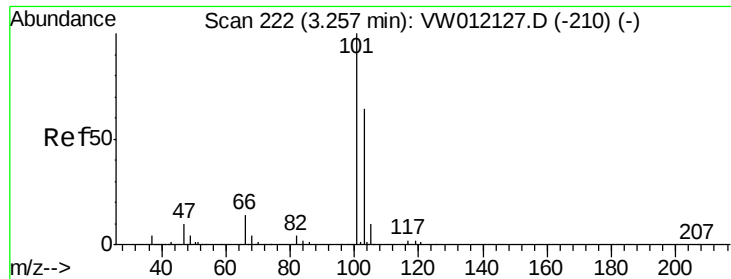
Tgt Ion: 64 Resp: 26352

Ion Ratio Lower Upper

64 100

66 34.1 23.8 35.8





#7

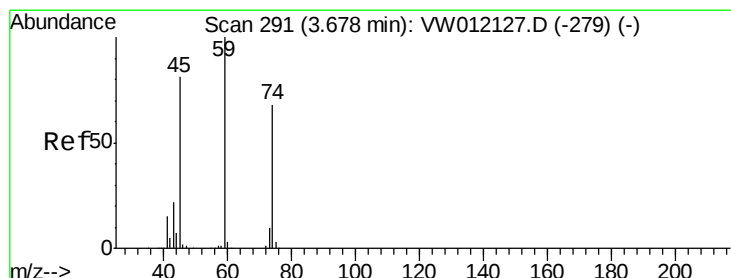
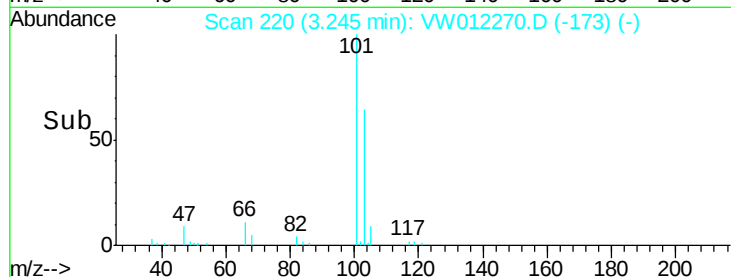
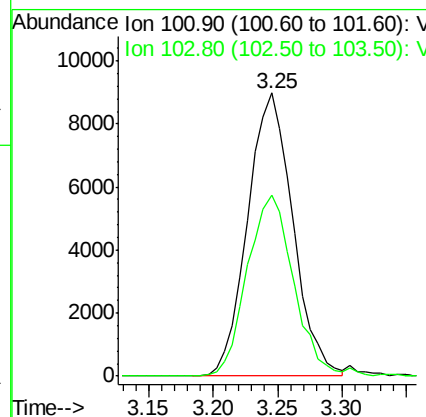
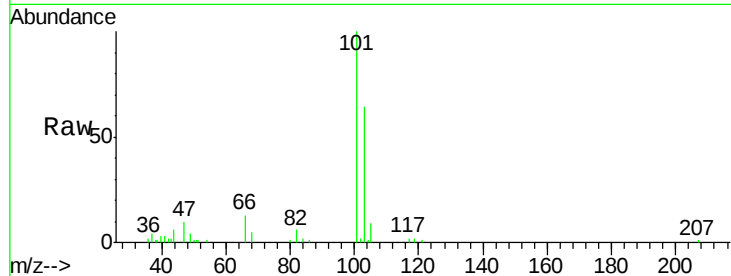
Trichlorofluoromethane
 Concen: 15.857 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.2	76.8

Manual Integrations
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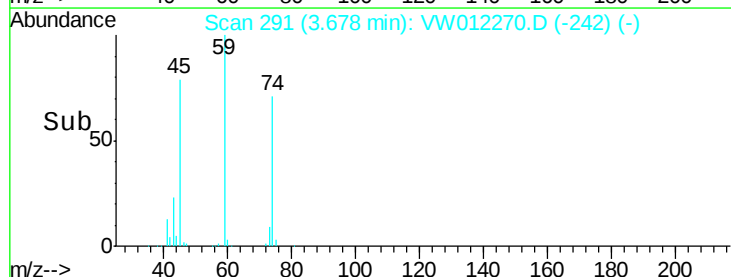
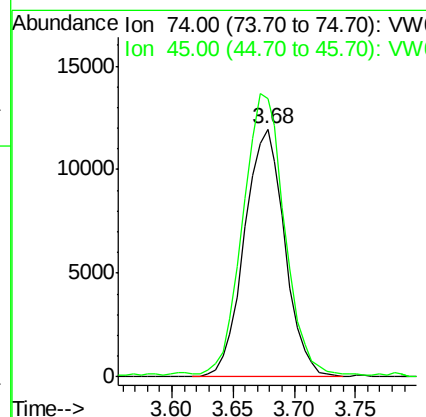
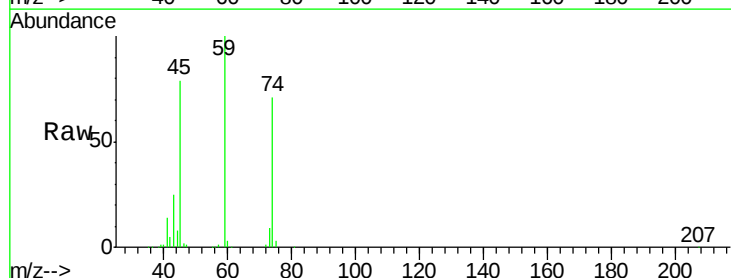
MMDadoda
 8/29/2019 9:41:34 AM

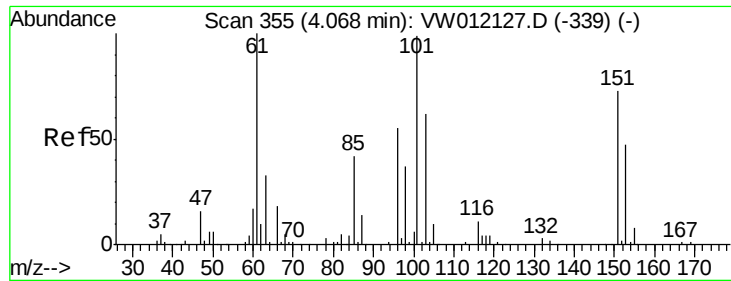


#8

Diethyl Ether
 Concen: 20.947 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.0	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.900 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

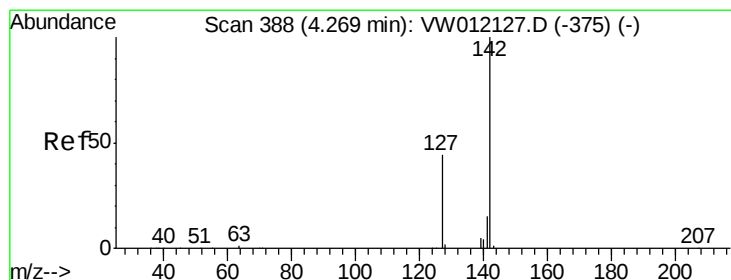
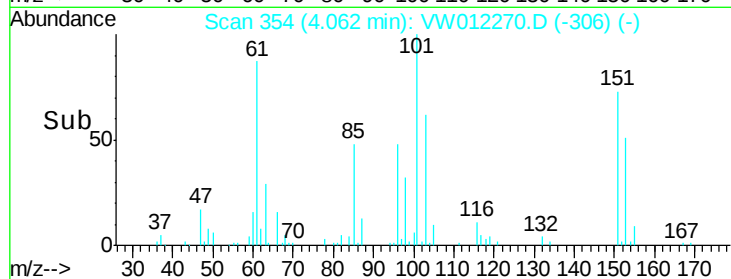
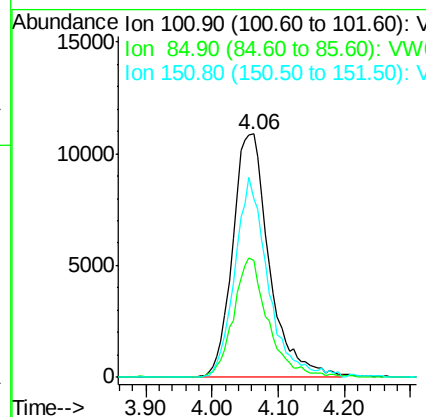
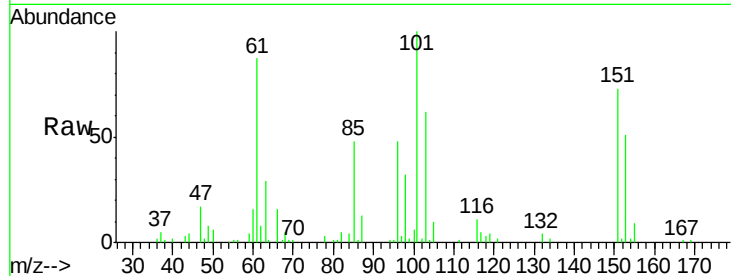
ClientSampleId :

VW0828SBS02

Tot Ion:	101	Resp:	41911
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.8	53.6
151	74.5	58.6	87.8

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#10

Methyl Iodide

Concen: 17.901 ug/l

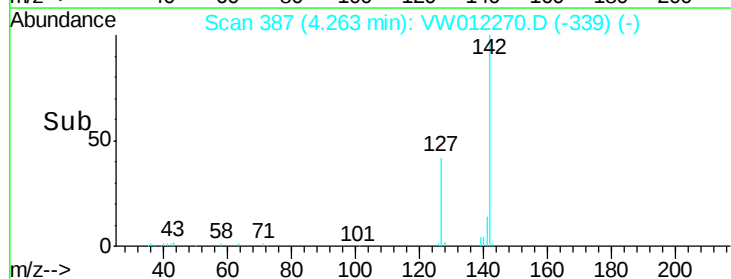
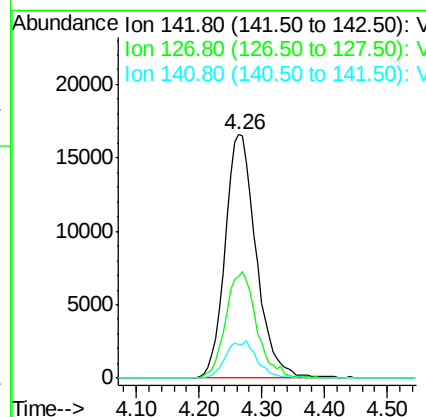
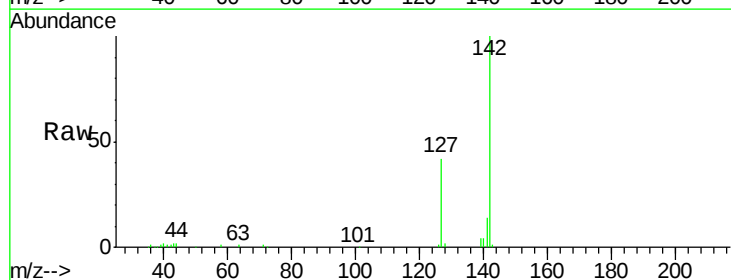
RT: 4.26 min Scan# 387

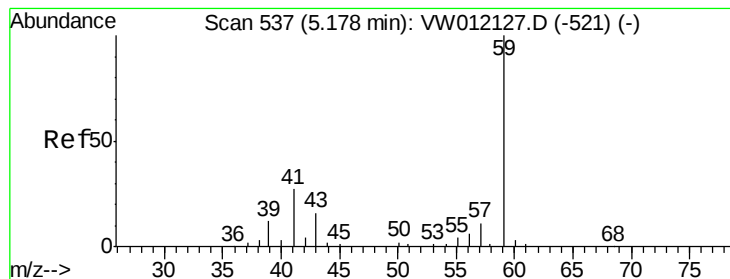
Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Tgt Ion:	142	Resp:	56710
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.5	53.3
141	15.5	11.8	17.8





#11

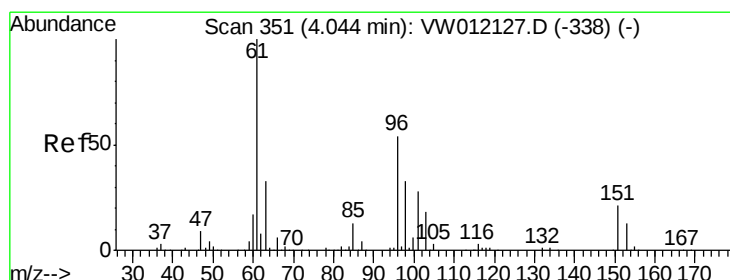
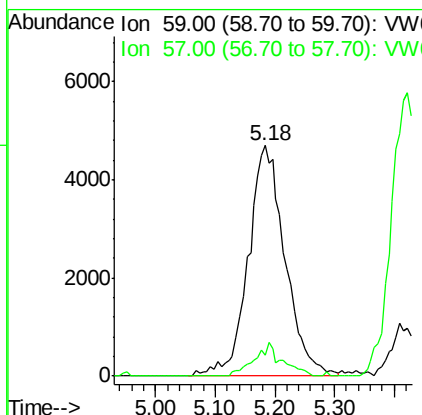
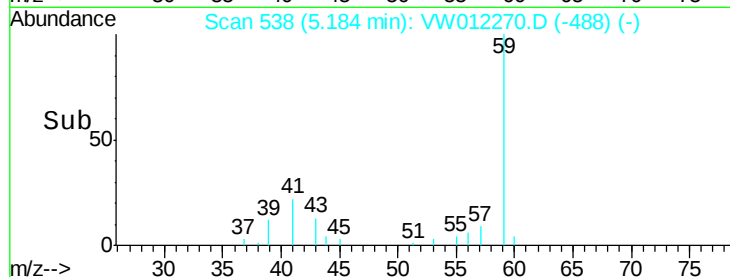
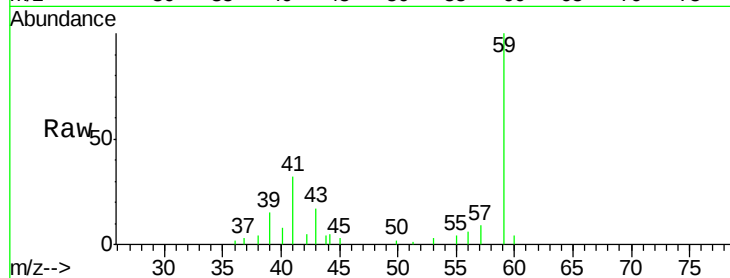
Tert butyl alcohol
Concen: 119.734 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.0	13.4

Manual Integrations
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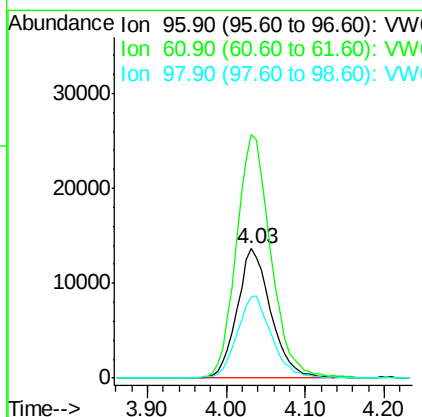
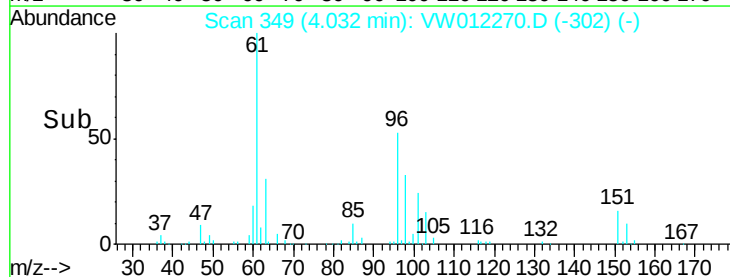
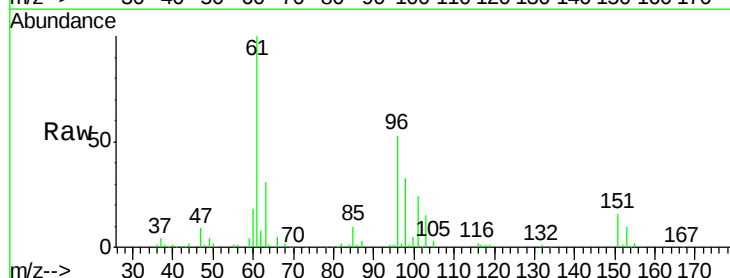
MMDadoda
8/29/2019 9:41:34 AM

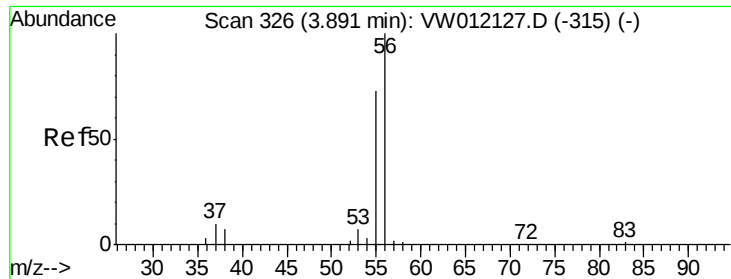


#12

1,1-Dichloroethene
Concen: 17.321 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.5	149.1	223.7
98	62.3	49.4	74.2





#13

Acrolein

Concen: 92.847 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

Tot Ion: 56 Resp: 14690

Ion Ratio Lower Upper

56 100

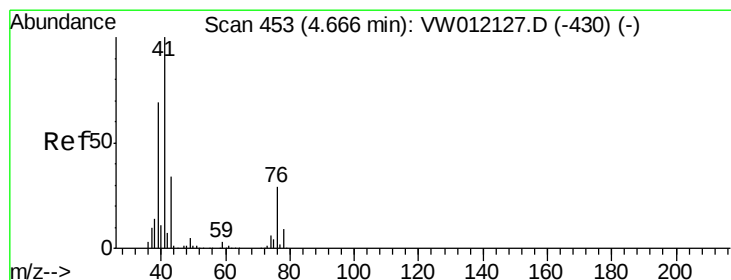
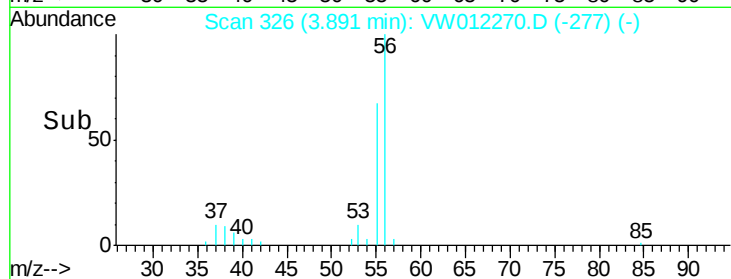
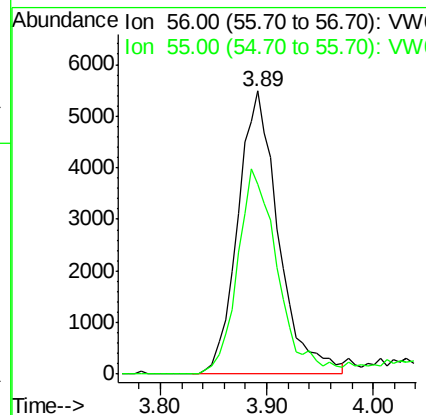
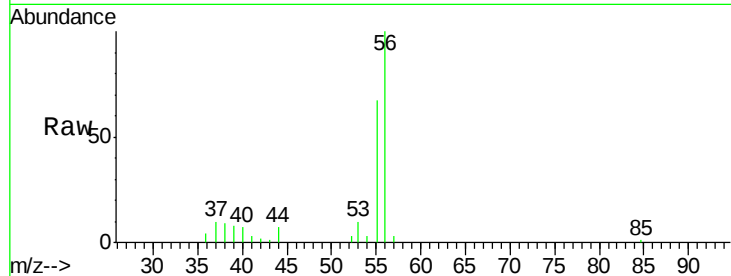
55 71.6 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 18.838 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

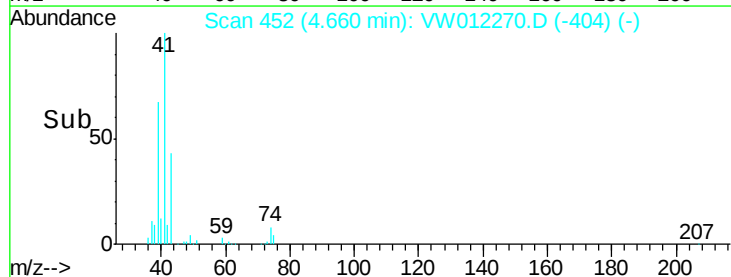
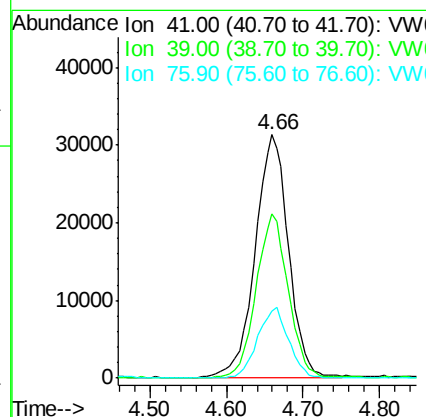
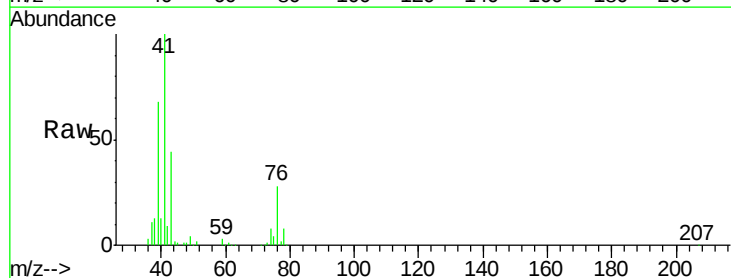
Tgt Ion: 41 Resp: 94911

Ion Ratio Lower Upper

41 100

39 65.6 53.4 80.2

76 27.0 22.1 33.1





#15

Acrylonitrile

Concen: 112.138 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

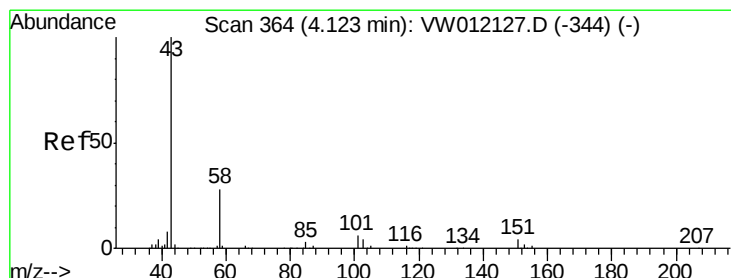
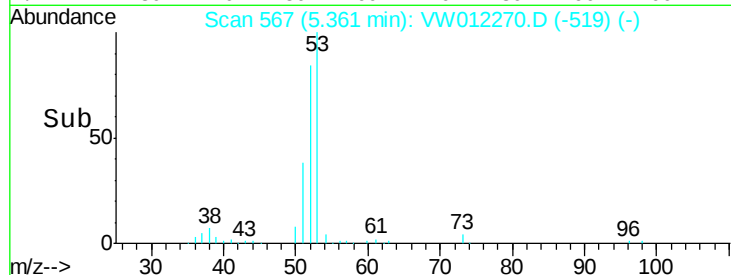
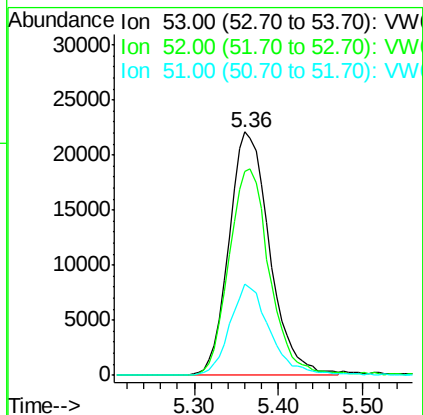
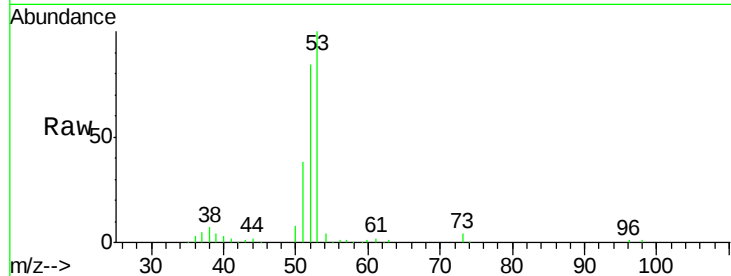
ClientSampleId :

VW0828SBS02

Tot Ion:	53	Resp:	72674
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.7	100.1
51	36.7	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 86.990 ug/l

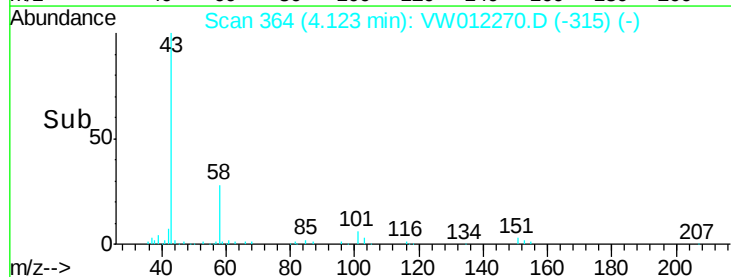
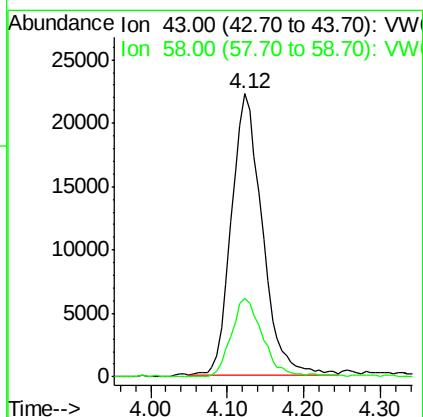
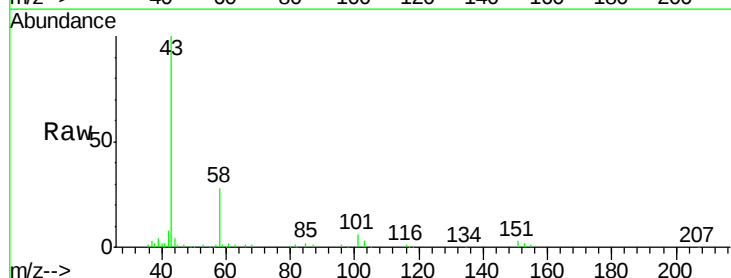
RT: 4.12 min Scan# 364

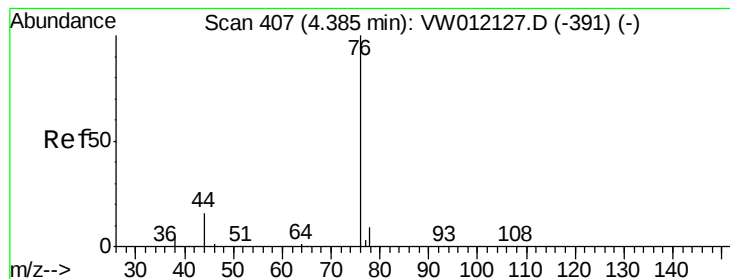
Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Tgt Ion:	43	Resp:	62106
Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.4	33.6





#17

Carbon Disulfide

Concen: 14.632 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

Tot Ion: 76 Resp: 104215

Ion Ratio Lower Upper

76 100

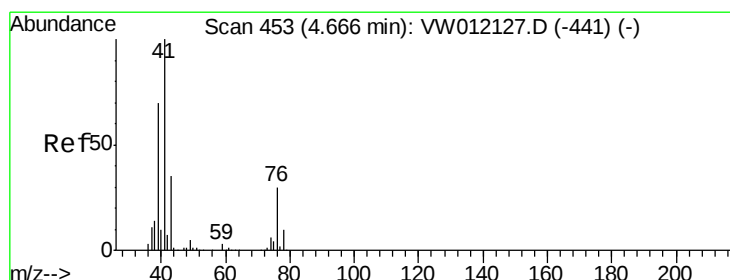
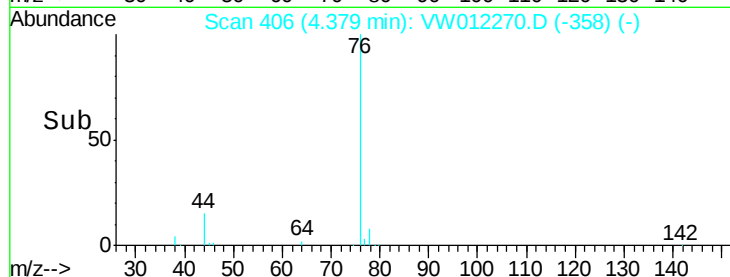
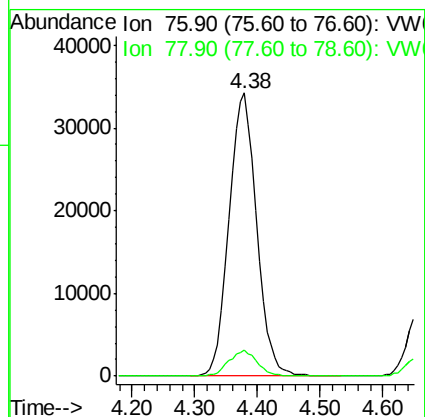
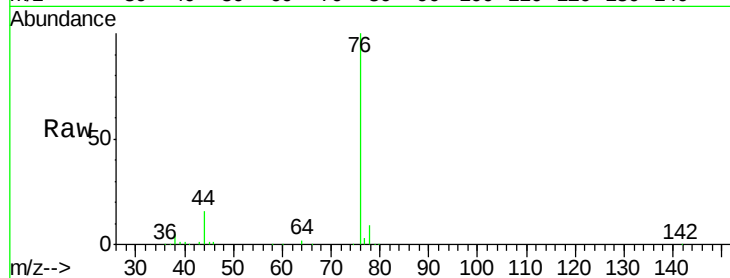
78 9.0 7.3 10.9

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#18

Methyl Acetate

Concen: 25.385 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012270.D

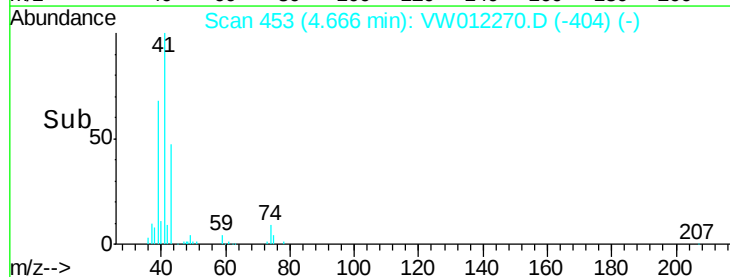
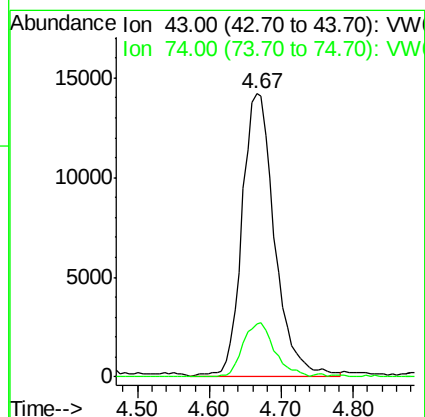
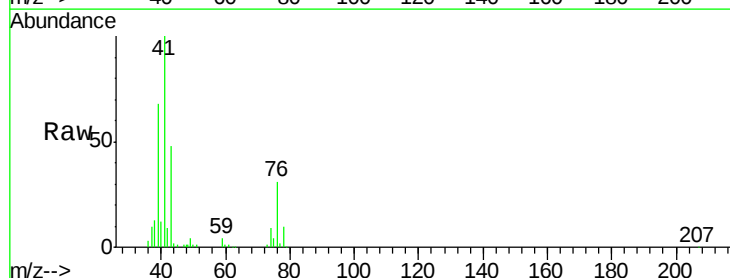
Acq: 28 Aug 2019 23:52

Tgt Ion: 43 Resp: 44888

Ion Ratio Lower Upper

43 100

74 18.5 15.7 23.5





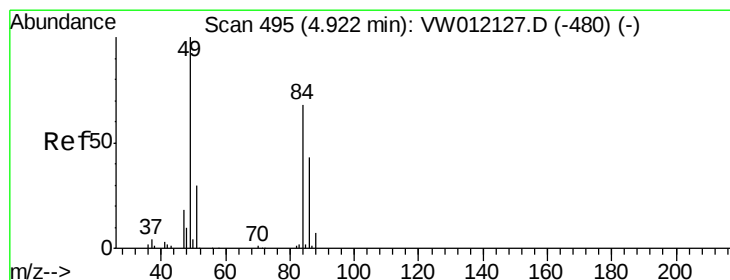
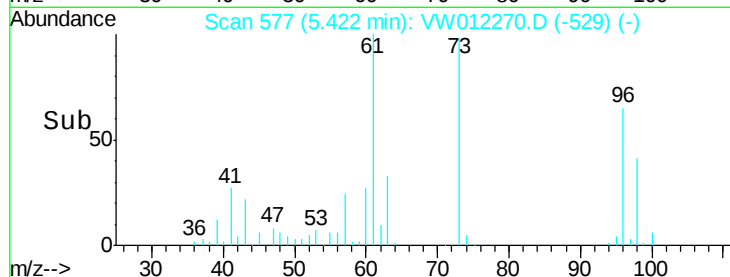
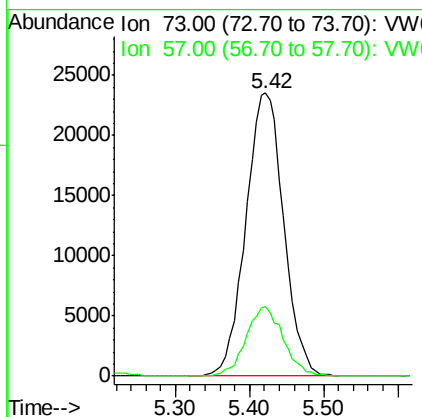
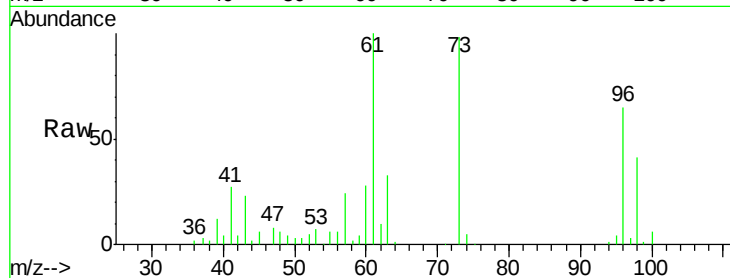
#19
Methyl tert-butyl Ether
Concen: 21.941 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tot Ion: 73 Resp: 83619
Ion Ratio Lower Upper
73 100
57 24.5 18.9 28.3

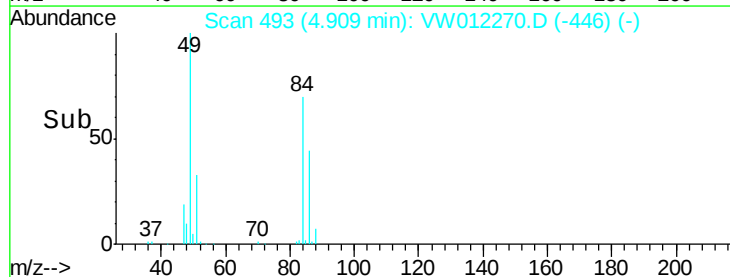
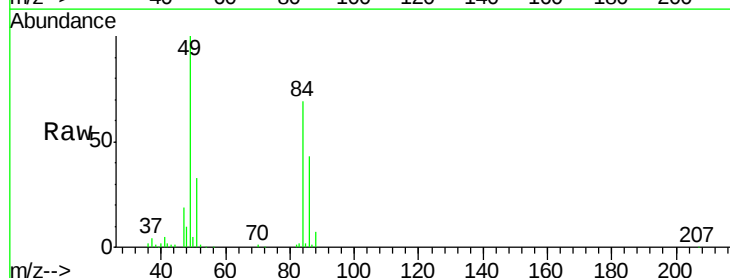
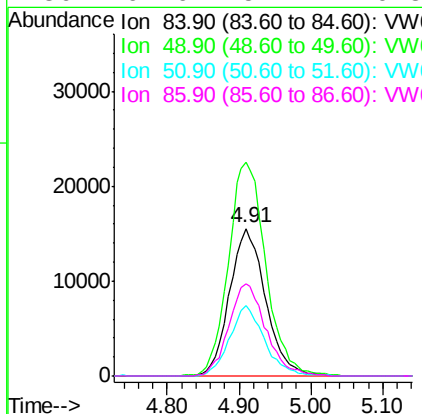
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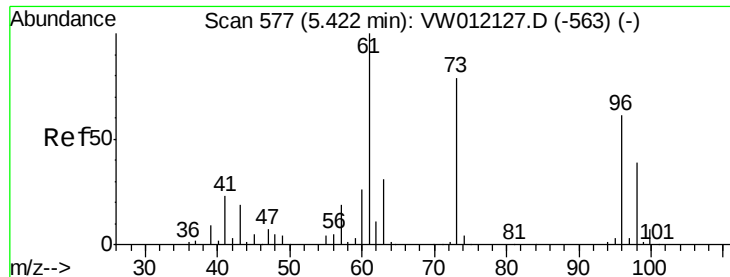
MMDadoda
8/29/2019 9:41:34 AM



#20
Methylene Chloride
Concen: 20.076 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion: 84 Resp: 54186
Ion Ratio Lower Upper
84 100
49 144.0 117.8 176.8
51 48.0 35.6 53.4
86 62.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.988 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

Tot Ion: 96 Resp: 47985

Ion Ratio Lower Upper

96 100

61 153.5 131.4 197.0

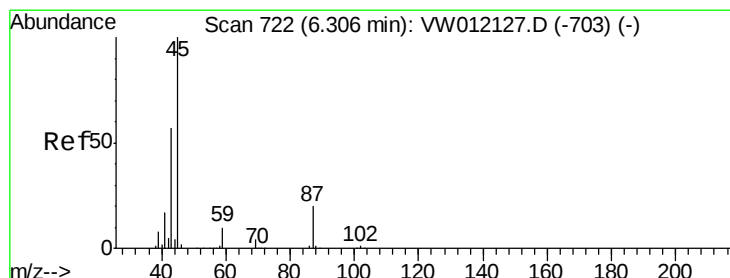
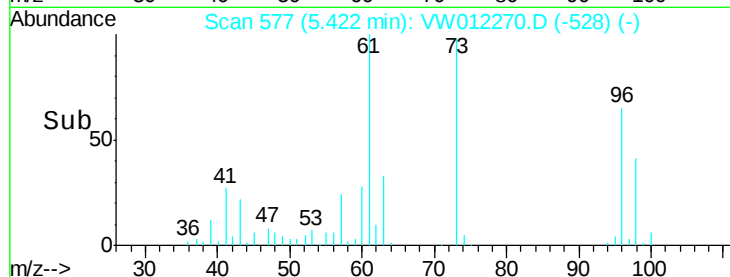
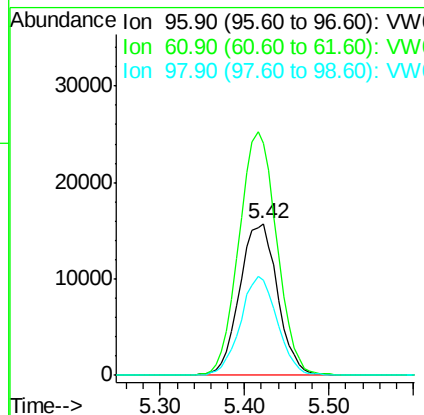
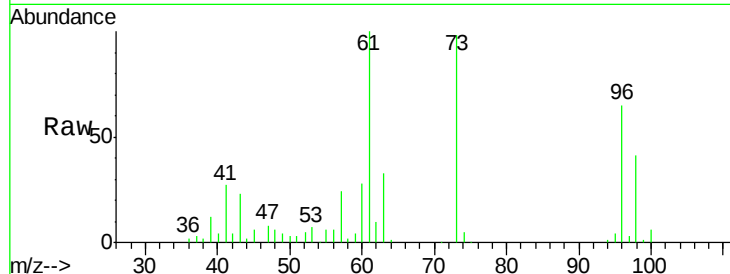
98 63.0 51.4 77.0

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#22

Diisopropyl ether

Concen: 21.414 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Tgt Ion: 45 Resp: 199978

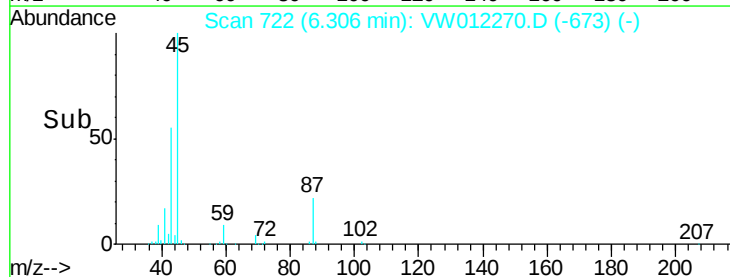
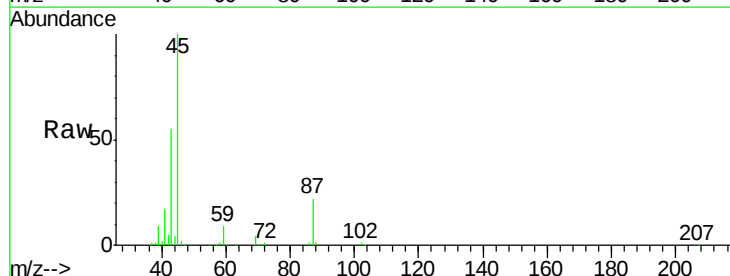
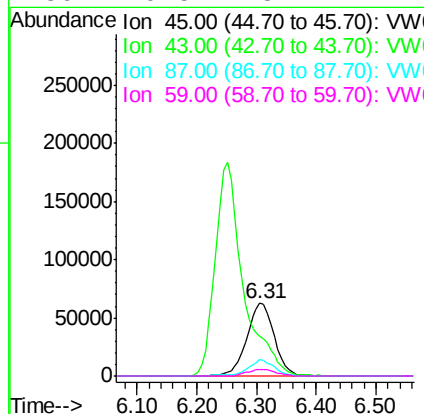
Ion Ratio Lower Upper

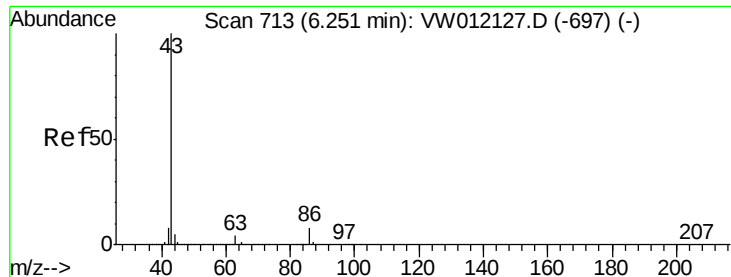
45 100

43 54.5 45.5 68.3

87 22.1 16.1 24.1

59 9.5 8.2 12.2





#23

Vinyl Acetate

Concen: 104.406 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

Tot Ion: 43 Resp: 600048

Ion Ratio Lower Upper

43 100

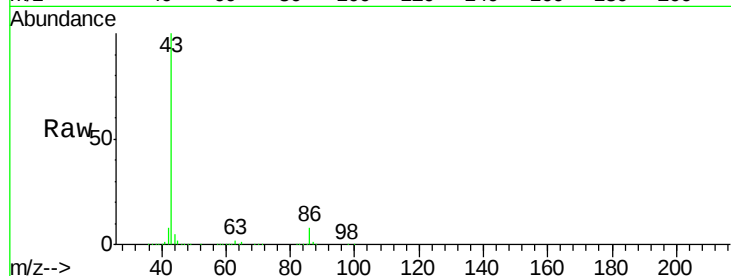
86 7.8 6.5 9.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

150000

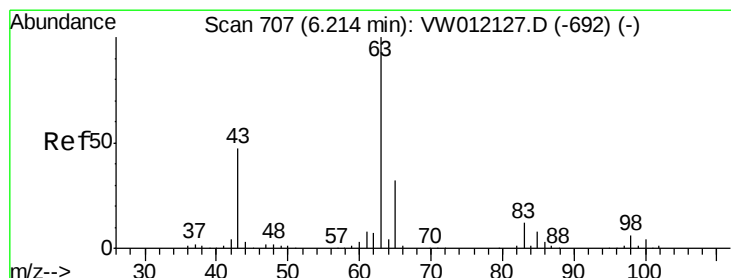
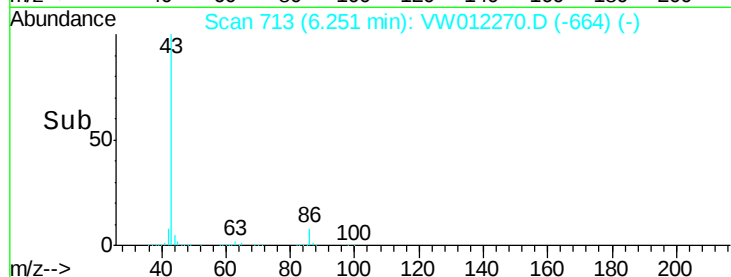
100000

50000

0

6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 19.898 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

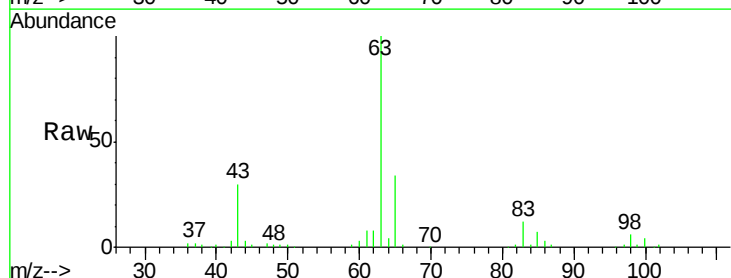
Tgt Ion: 63 Resp: 101178

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

40000

30000

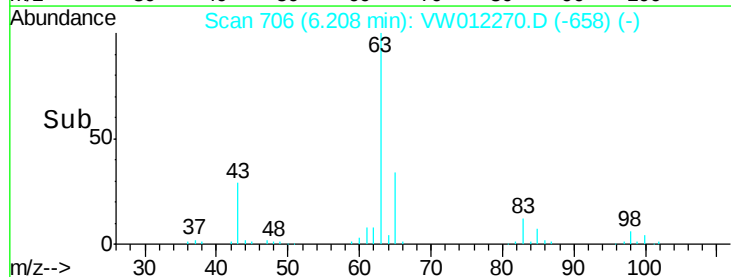
20000

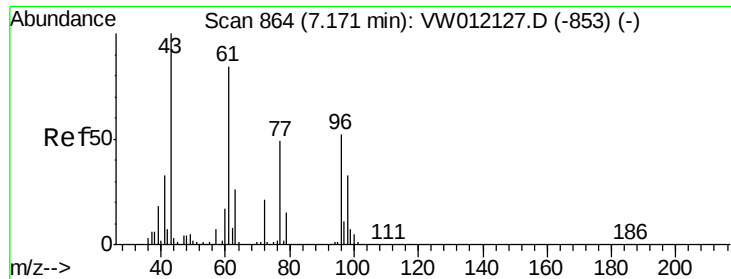
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 103.197 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

Tot Ion: 43 Resp: 100119

Ion Ratio Lower Upper

43 100

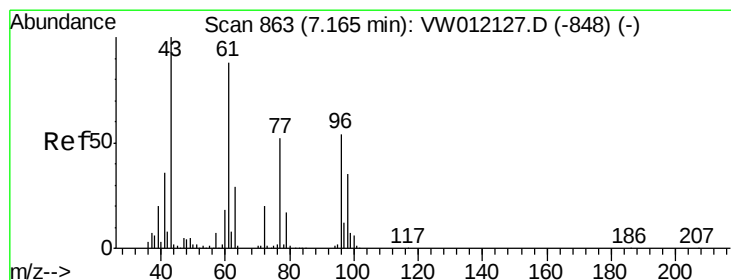
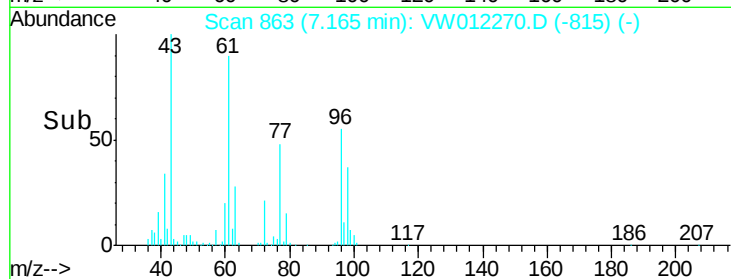
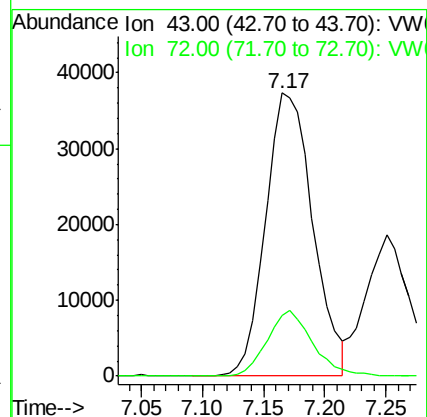
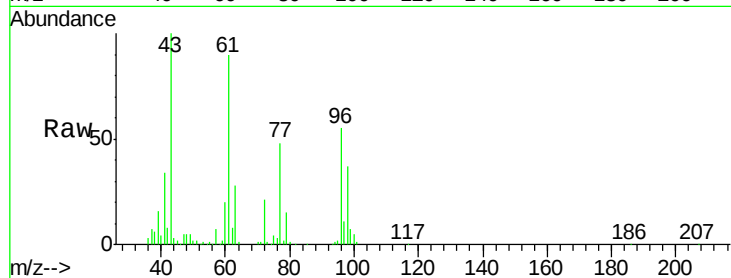
72 21.4 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

8/29/2019 9:41:34 AM



#26

2,2-Dichloropropane

Concen: 18.126 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012270.D

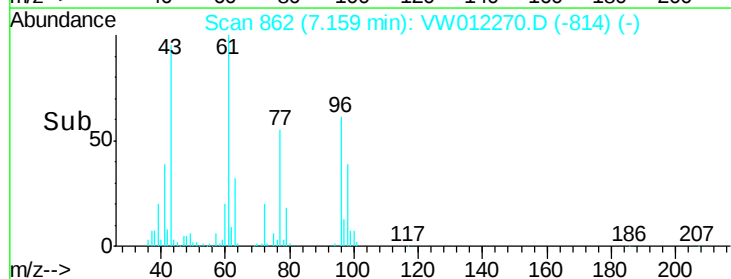
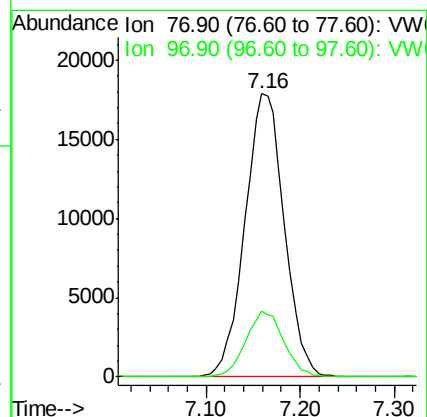
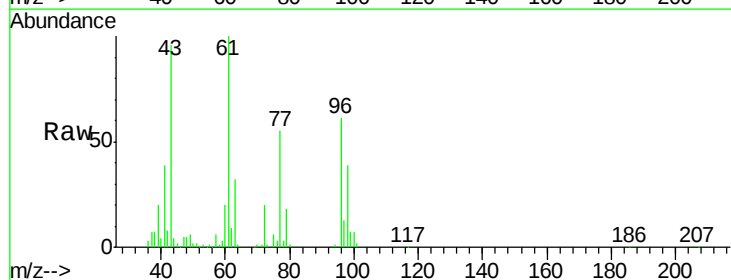
Acq: 28 Aug 2019 23:52

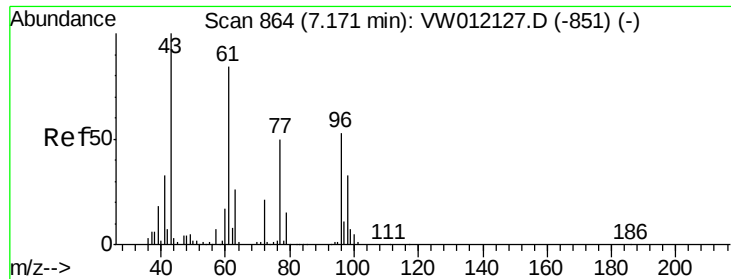
Tgt Ion: 77 Resp: 52167

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.1





#27

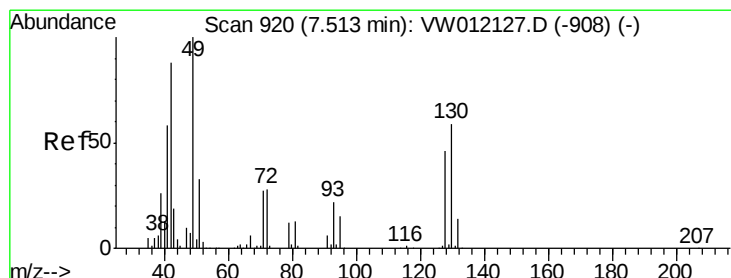
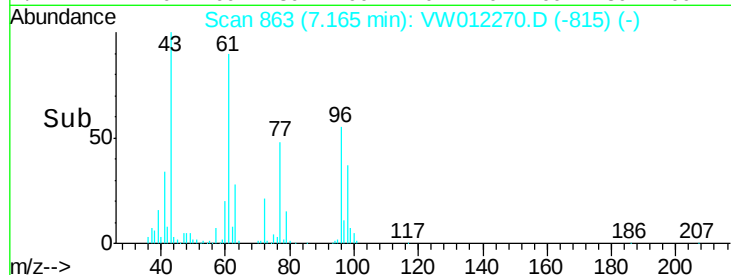
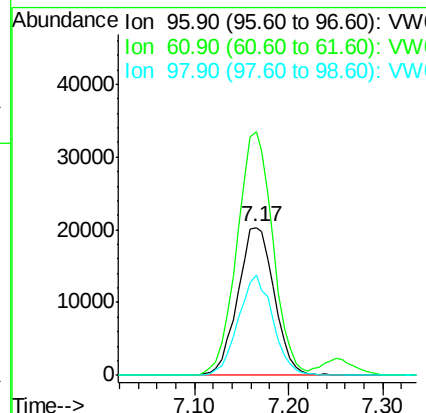
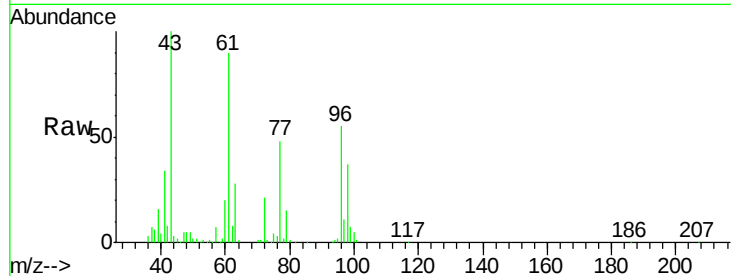
cis-1,2-Dichloroethene
Concen: 20.342 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.5	0.0	326.6	
98	64.3	0.0	127.4	

Manual Integrations
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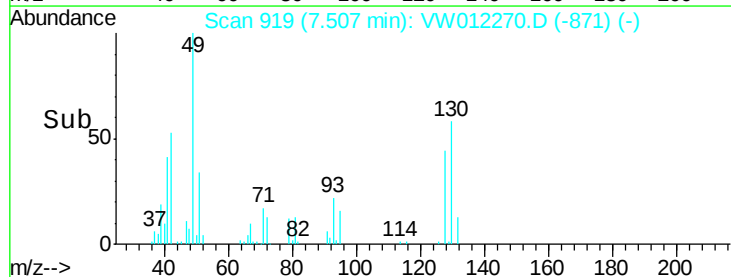
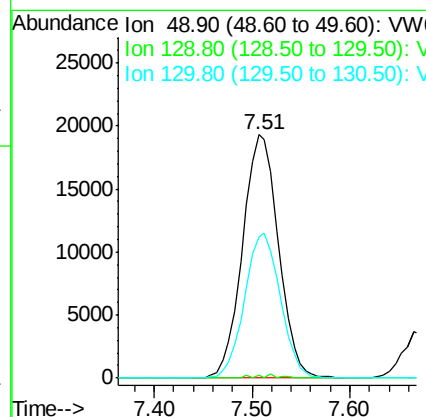
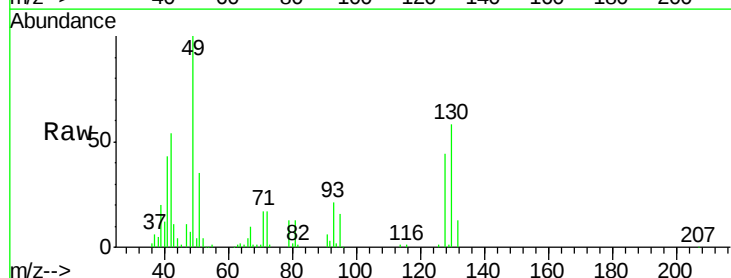
MMDadoda
8/29/2019 9:41:34 AM

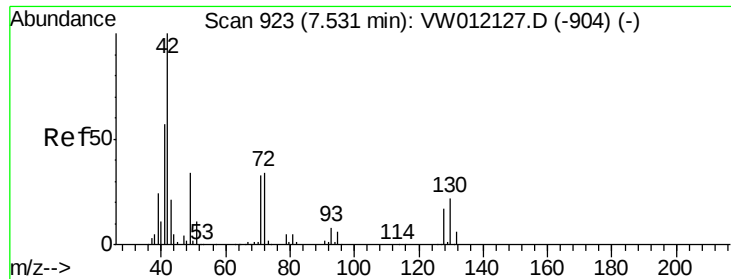


#28

Bromochloromethane
Concen: 22.191 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.2	0.0	1.4	
130	59.3	45.5	68.3	





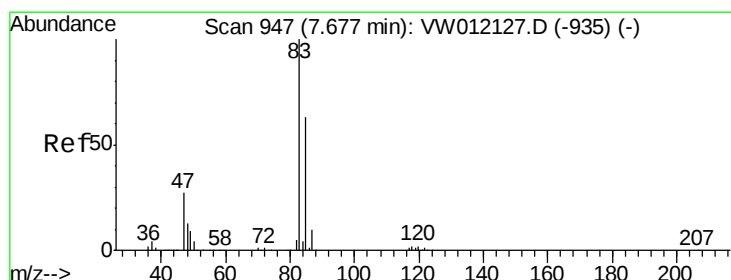
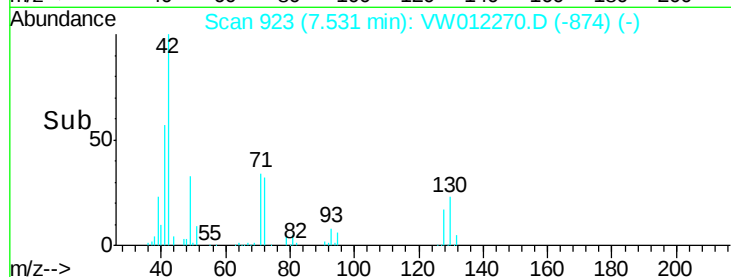
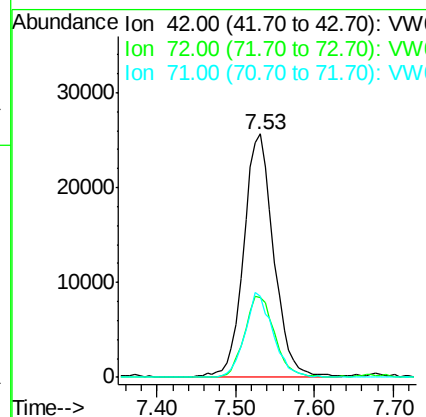
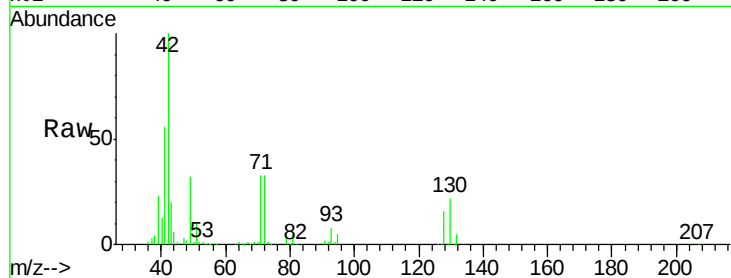
#29
Tetrahydrofuran
Concen: 117.096 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.5	27.3	40.9
71	32.3	25.5	38.3

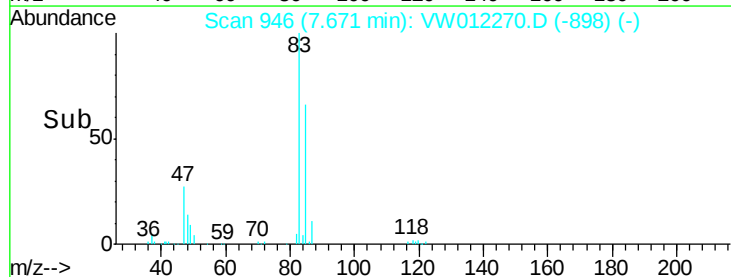
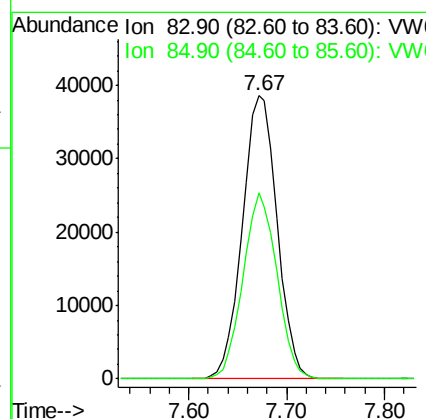
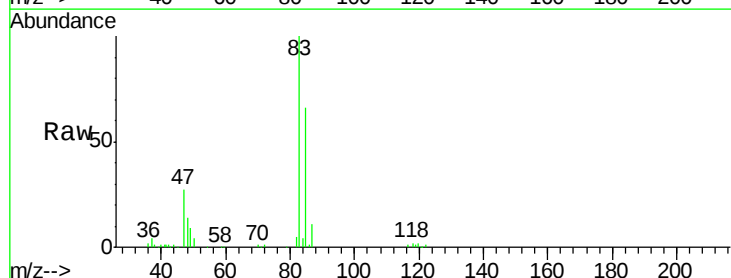
Manual Integrations
APPROVED

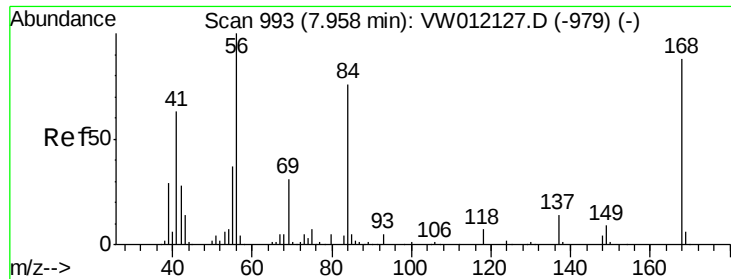
MMDadoda
8/29/2019 9:41:34 AM



#30
Chloroform
Concen: 20.468 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.6	76.0





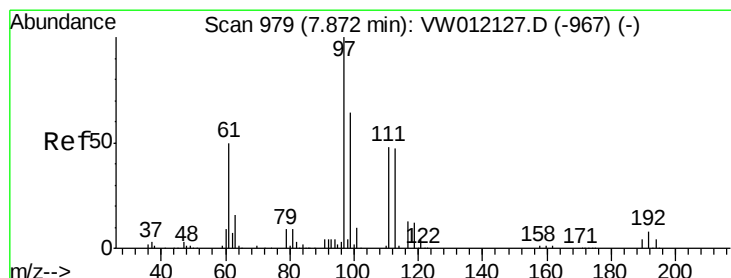
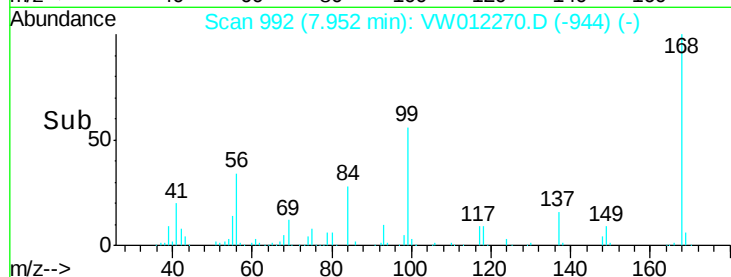
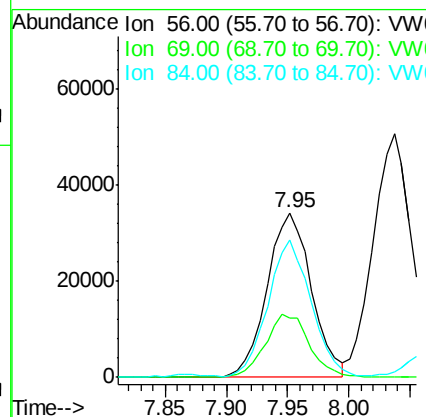
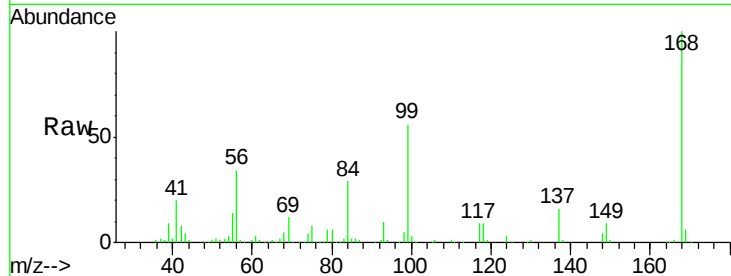
#31
Cyclohexane
Concen: 17.209 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	24.9	37.3
84	82.0	60.6	90.8

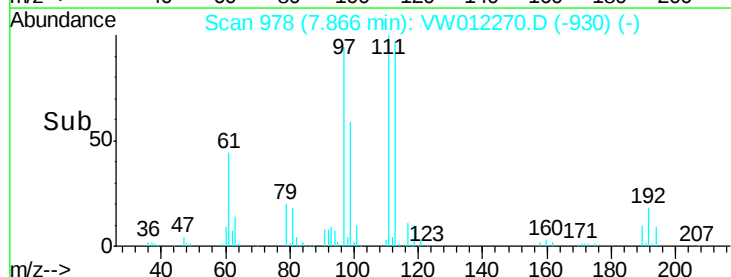
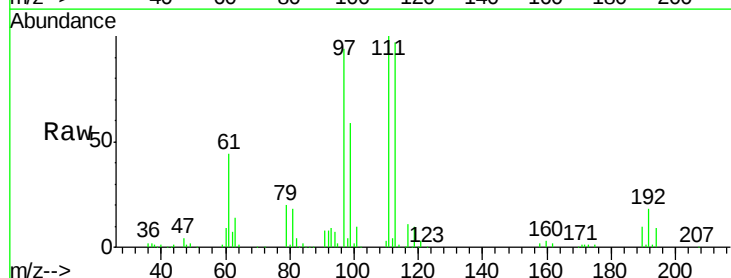
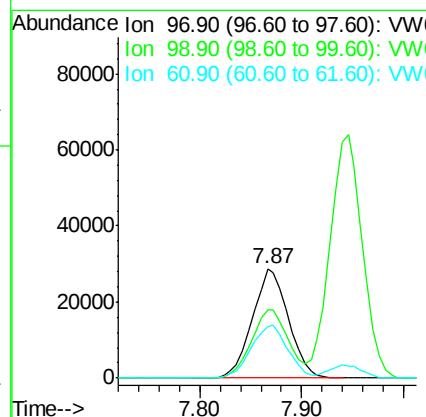
Manual Integrations
APPROVED

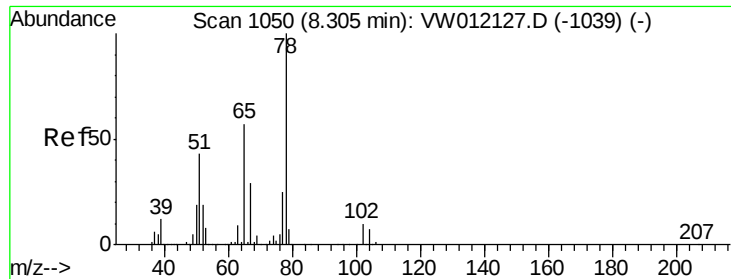
MMDadoda
8/29/2019 9:41:34 AM



#32
1,1,1-Trichloroethane
Concen: 19.150 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	49.4	39.5	59.3





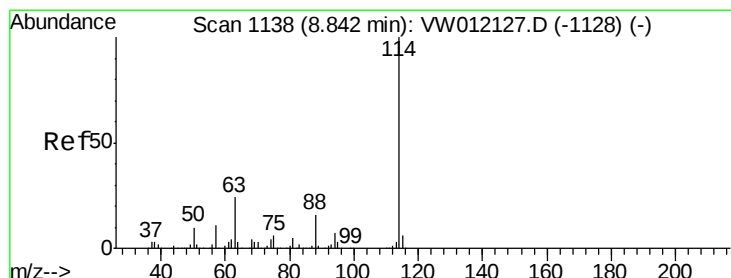
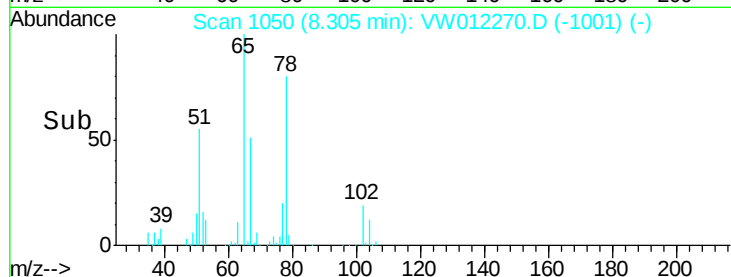
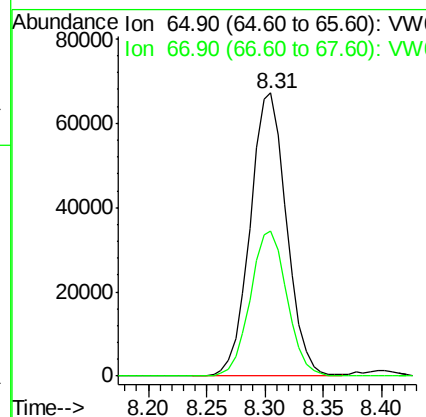
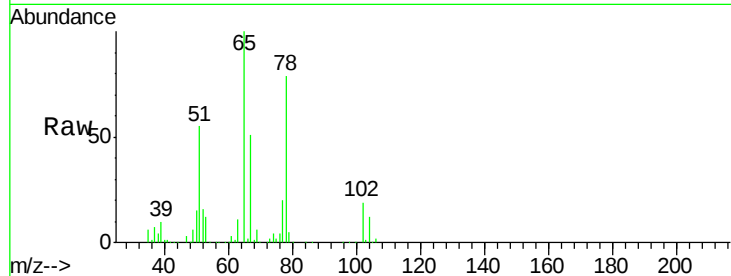
#33
 1,2-Dichloroethane-d4
 Concen: 52.440 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	146464		
67	51.8	0.0	102.6	

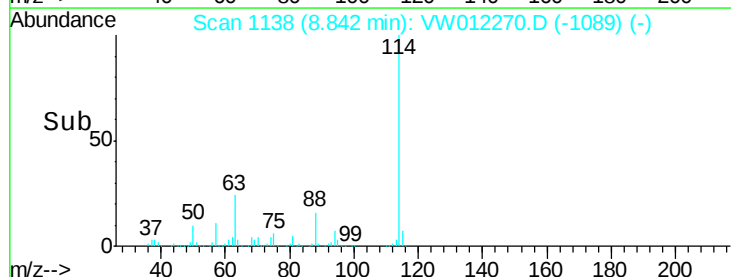
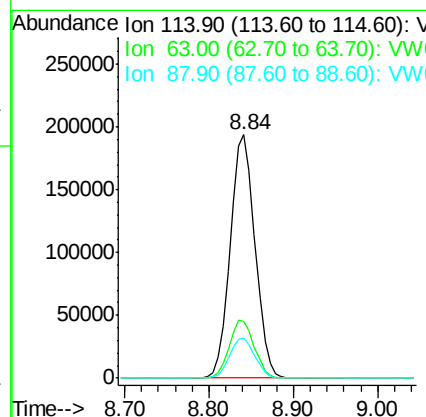
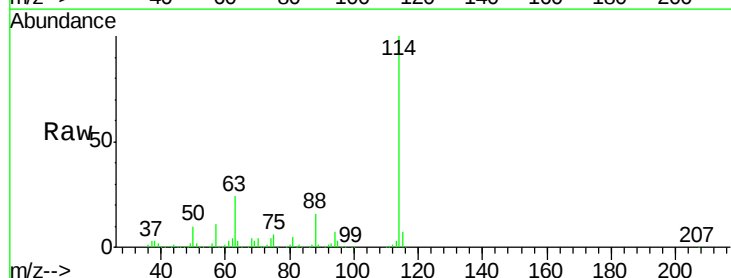
Manual Integrations
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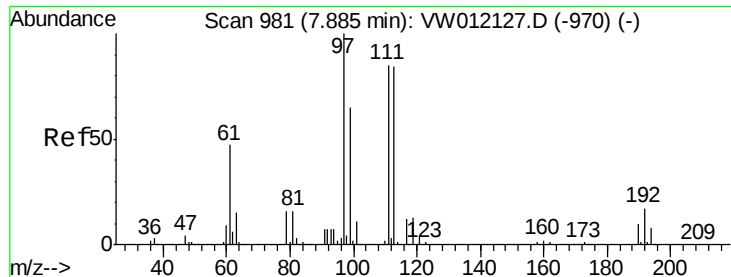
MMDadoda
 8/29/2019 9:41:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	387186		
63	23.5	0.0	48.6	
88	16.4	0.0	32.2	





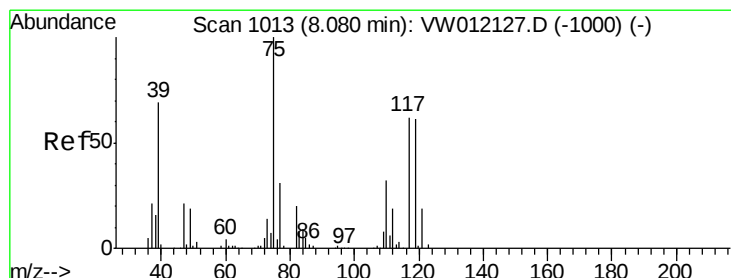
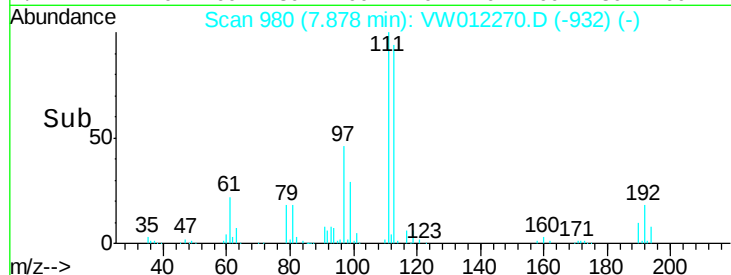
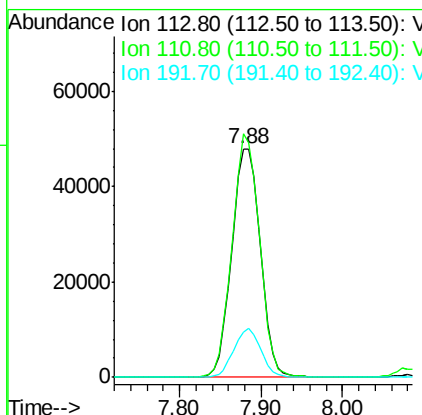
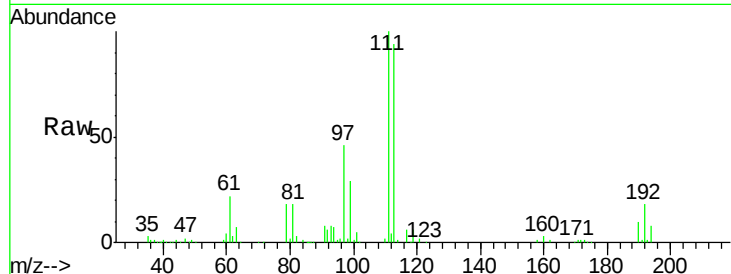
#35
 Dibromofluoromethane
 Concen: 50.273 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	116187		
111	102.1	82.7	124.1	
192	20.2	16.2	24.2	

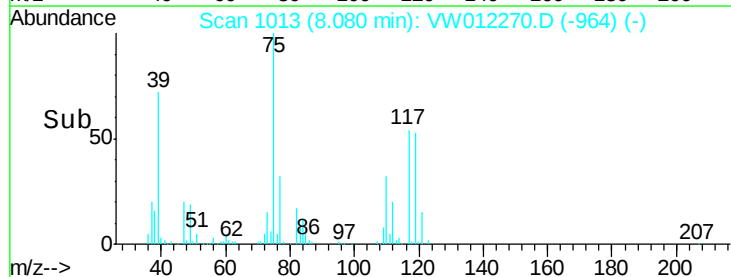
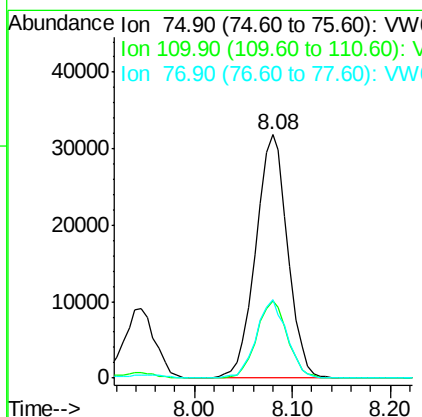
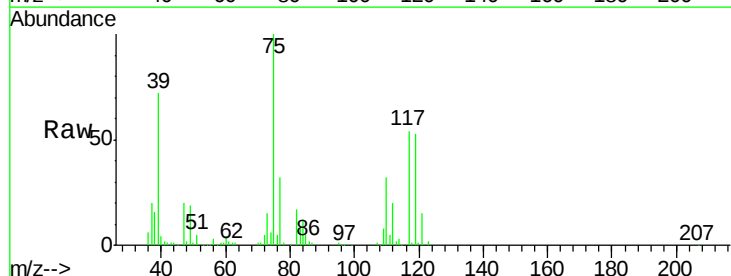
Manual Integrations
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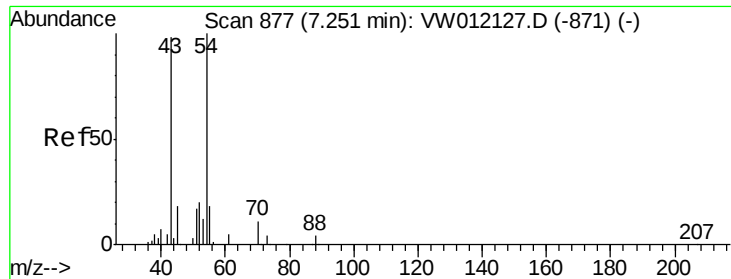
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 8/29/2019 9:41:34 AM



#36
 1,1-Dichloropropene
 Concen: 18.064 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	72276		
110	30.9	15.6	46.8	
77	31.4	24.6	36.8	





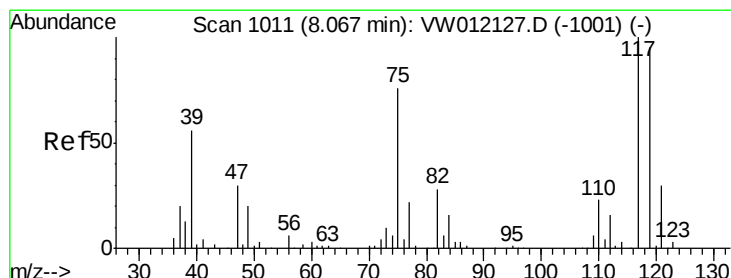
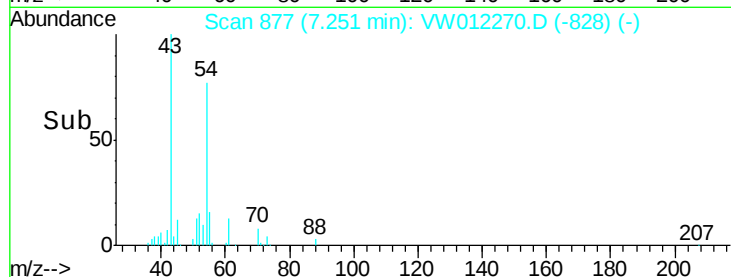
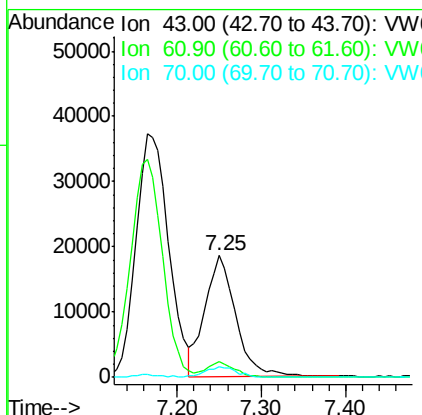
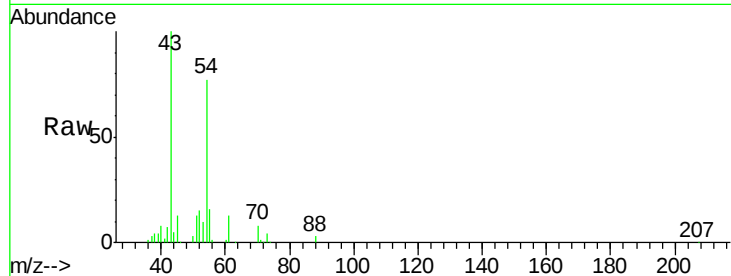
#37
Ethyl Acetate
Concen: 21.615 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tot Ion	Ratio	Resp	Lower	Upper
43	100	47393		
61	11.9		9.2	13.8
70	8.8		6.9	10.3

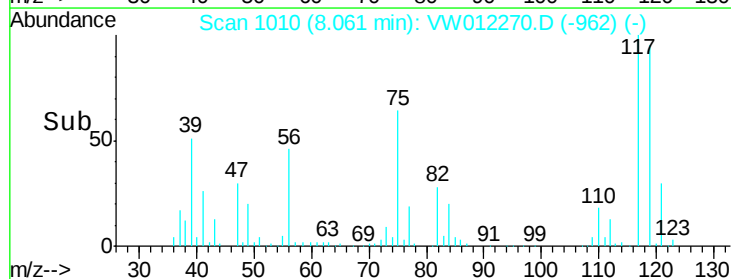
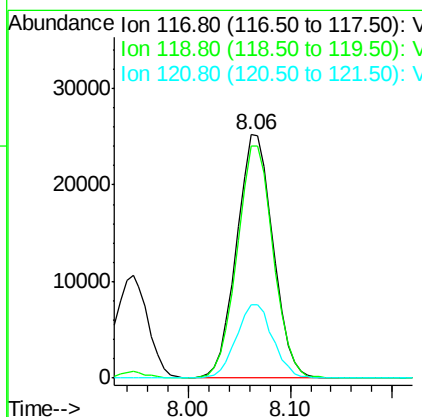
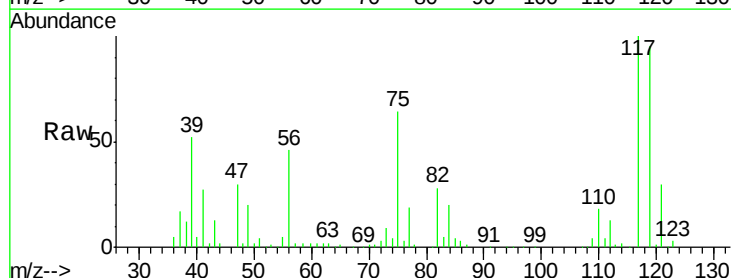
Manual Integrations
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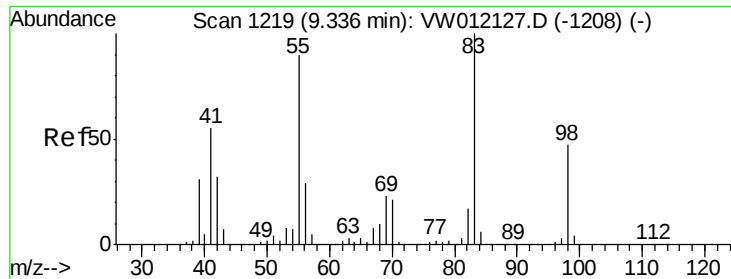
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8/29/2019 9:41:34 AM



#38
Carbon Tetrachloride
Concen: 18.060 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	62543		
119	95.5		76.2	114.2
121	30.1		23.8	35.8





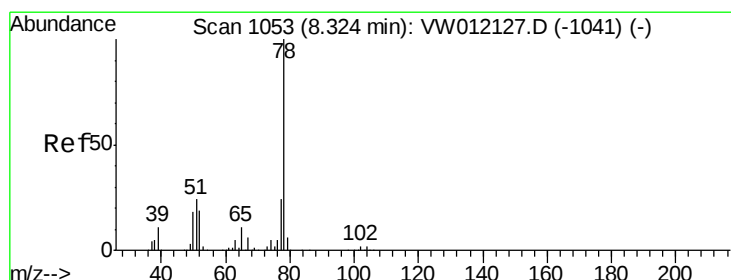
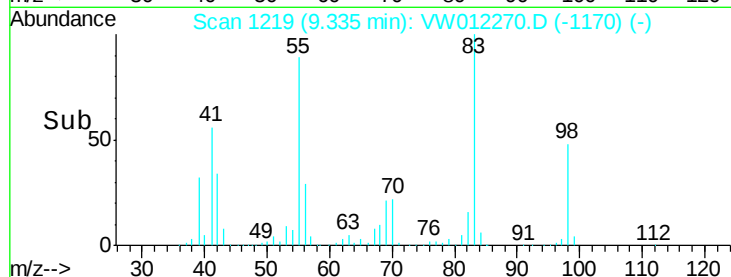
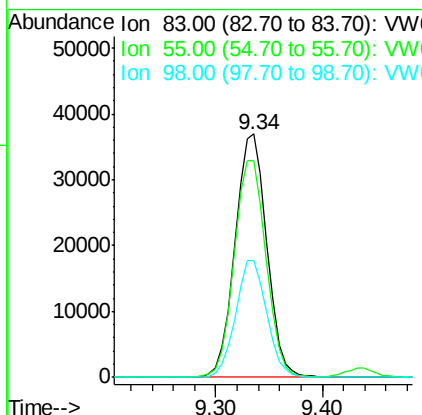
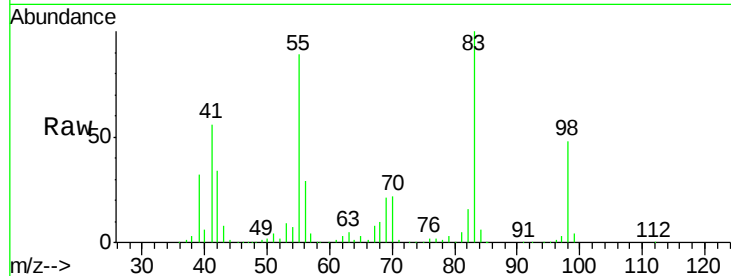
#39
Methvlcvclohexane
Concen: 17.226 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.1	71.8	107.8
98	48.0	37.8	56.8

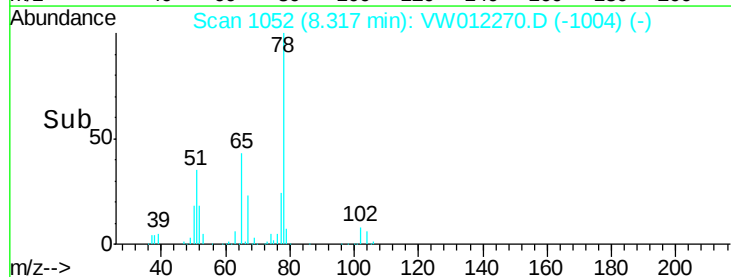
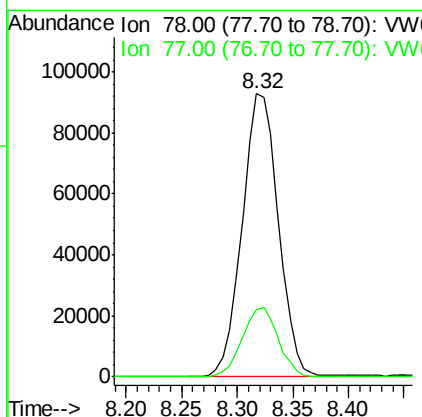
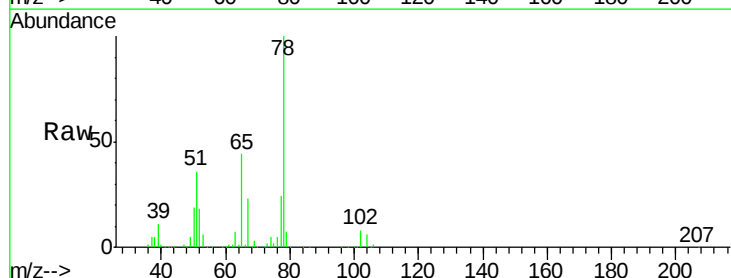
Manual Integrations
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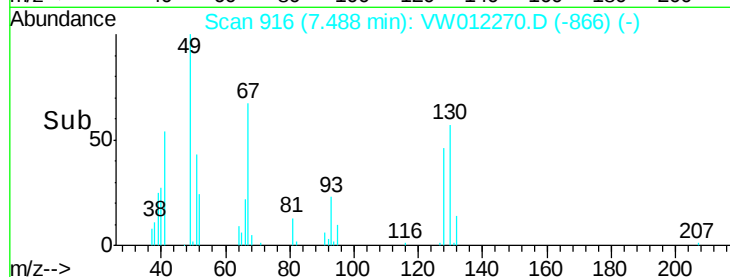
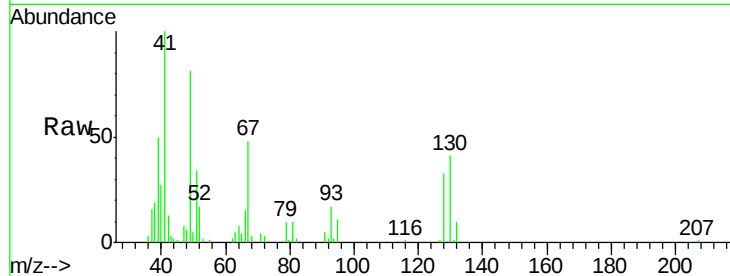
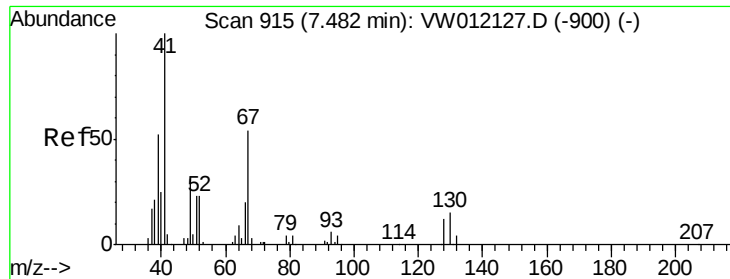
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#40
Benzene
Concen: 19.249 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.5	29.3





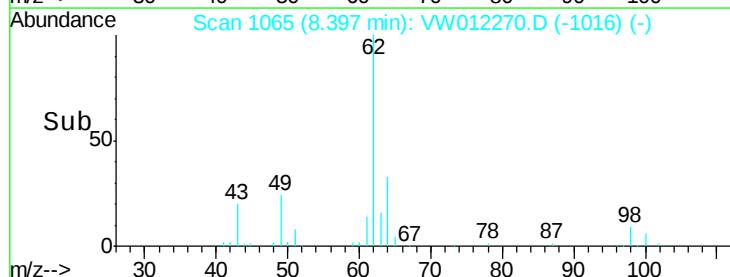
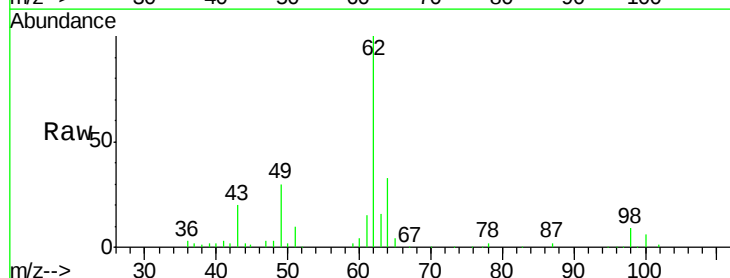
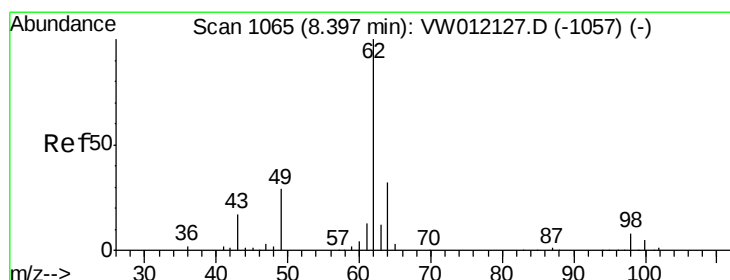
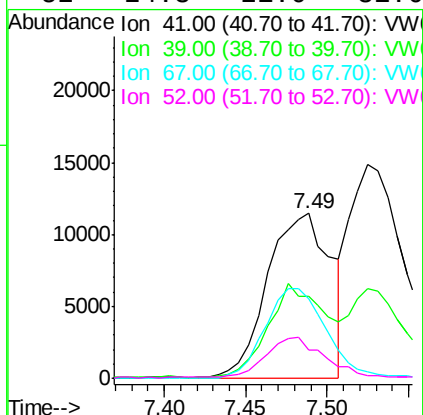
#41
Methacrylonitrile
Concen: 23.972 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tot Ion	41	Resp	30891
Ion Ratio	Lower	Upper	
41	100		
39	52.6	45.8	68.8
67	53.2	46.2	69.4
52	24.3	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

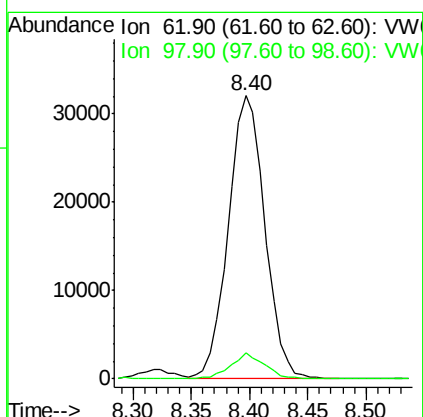
Manual Integrations
APPROVED

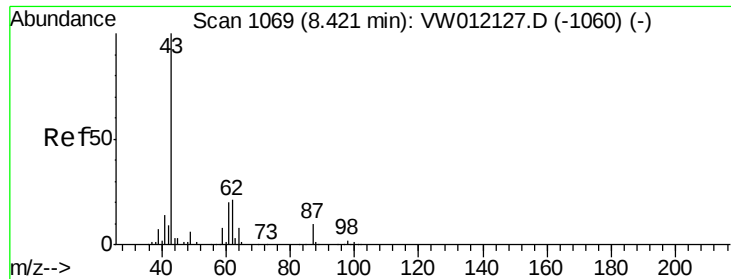
MMDadoda
8/29/2019 9:41:34 AM



#42
1,2-Dichloroethane
Concen: 20.473 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion	62	Resp	70102
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 21.438 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

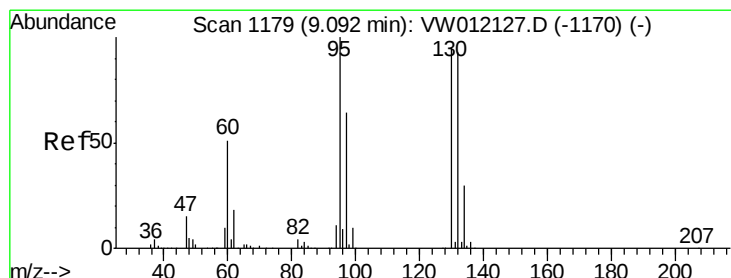
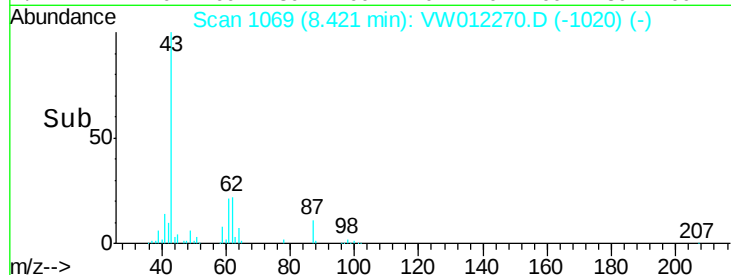
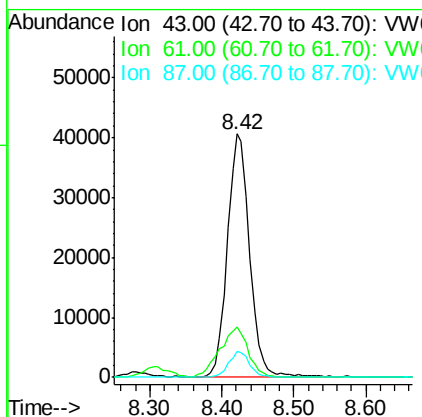
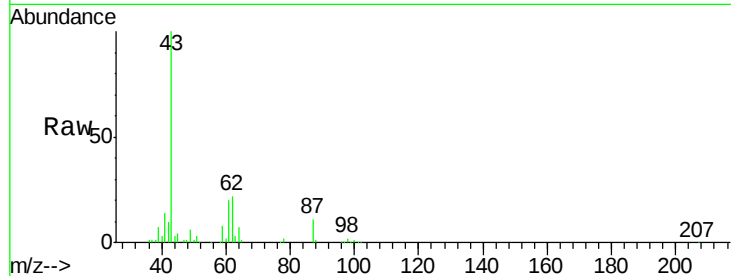
ClientSampleId :

VW0828SBS02

Tot Ion:	43	Resp:	87065
Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.1	31.7
87	10.1	8.2	12.2

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#44

Trichloroethene

Concen: 19.215 ug/l

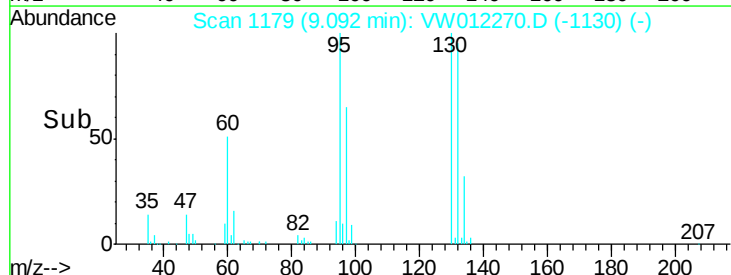
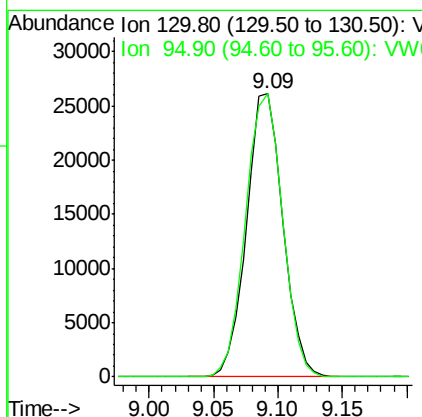
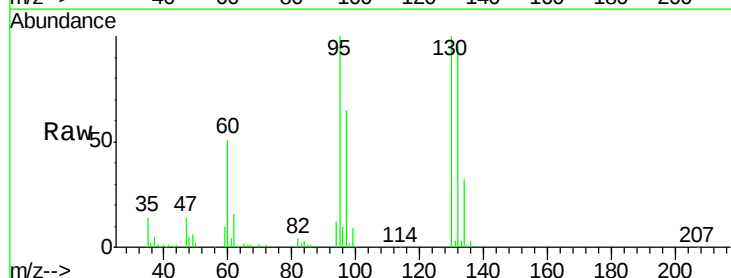
RT: 9.09 min Scan# 1179

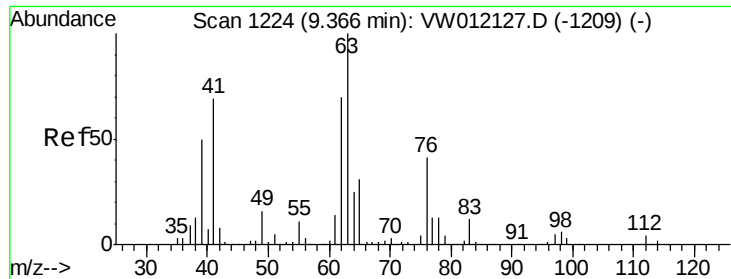
Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Tgt Ion:	130	Resp:	51032
Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	210.6





#45

1,2-Dichloropropane

Concen: 20.007 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

Tot Ion: 63 Resp: 58827

Ion Ratio Lower Upper

63 100

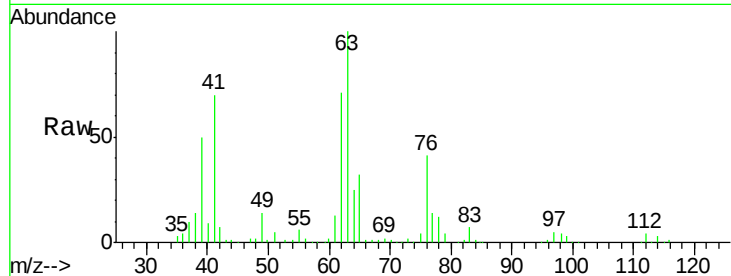
65 32.3 25.0 37.4

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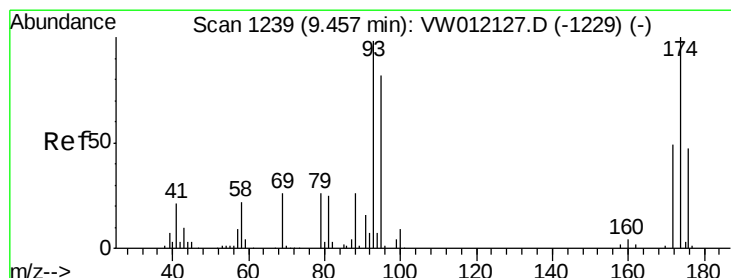
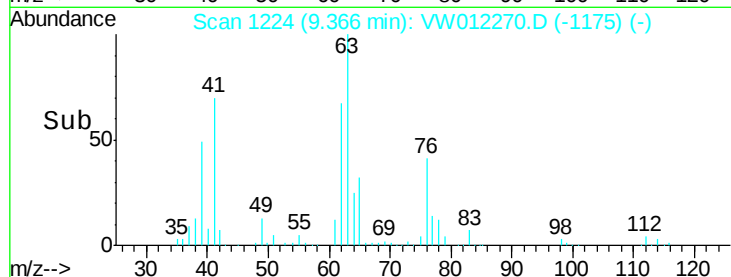
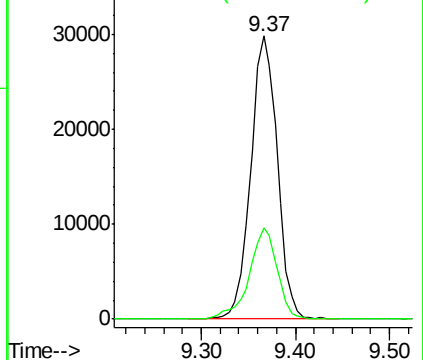
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.774 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

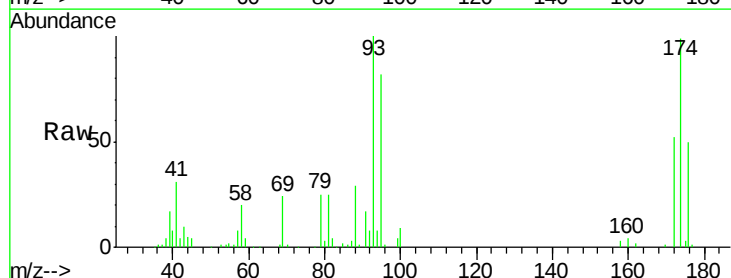
Tgt Ion: 93 Resp: 27178

Ion Ratio Lower Upper

93 100

95 82.9 67.2 100.8

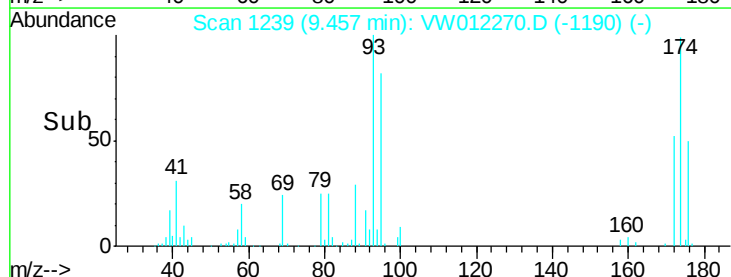
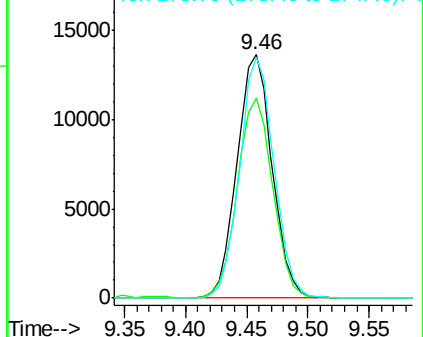
174 97.2 79.0 118.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.894 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

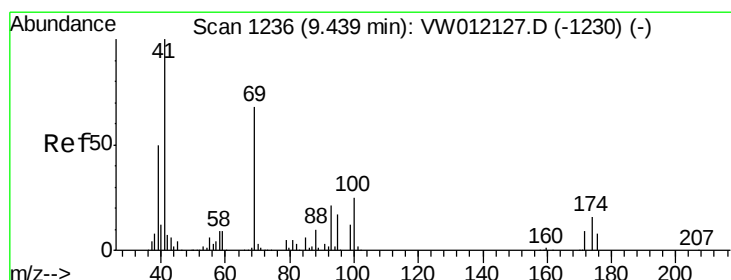
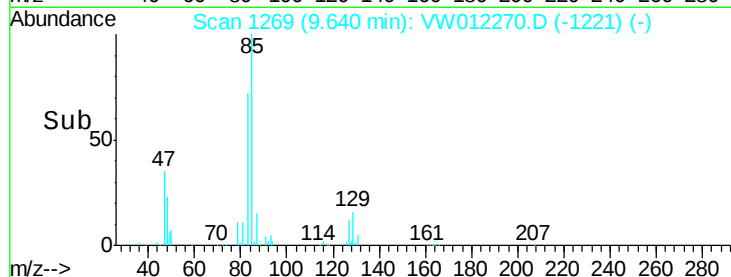
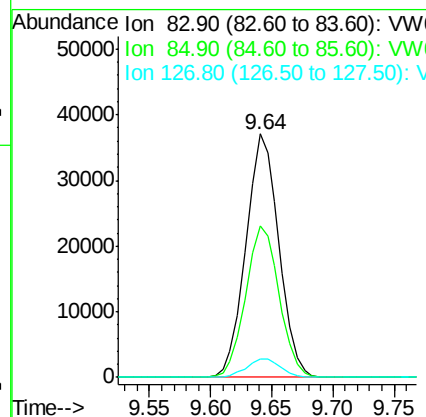
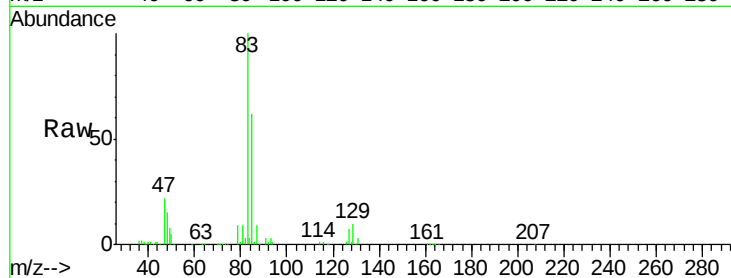
ClientSampleId :

VW0828SBS02

Tot Ion:	83	Resp:	69268
Ion Ratio	Lower	Upper	
83	100		
85	62.3	49.4	74.2
127	7.3	6.1	9.1

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#48

Methyl methacrylate

Concen: 21.189 ug/l

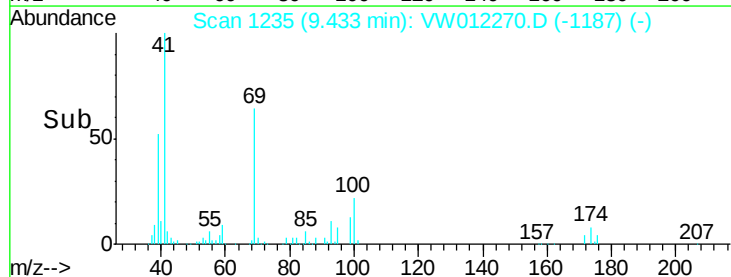
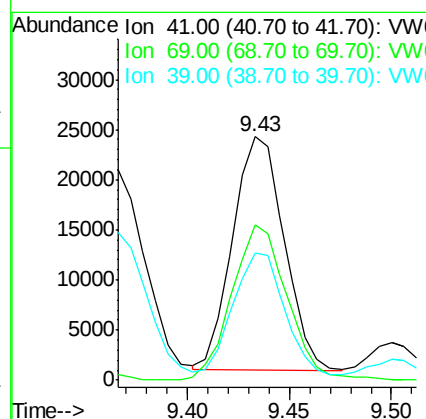
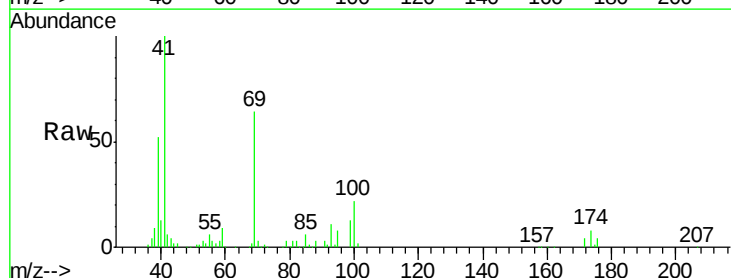
RT: 9.43 min Scan# 1235

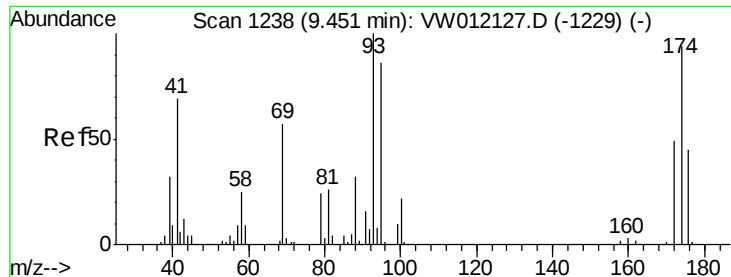
Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Tgt Ion:	41	Resp:	40957
Ion Ratio	Lower	Upper	
41	100		
69	71.3	56.7	85.1
39	56.6	42.0	63.0





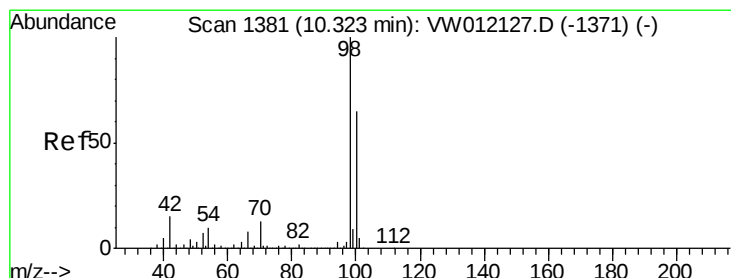
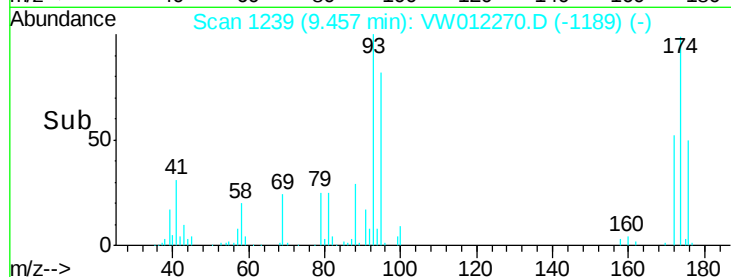
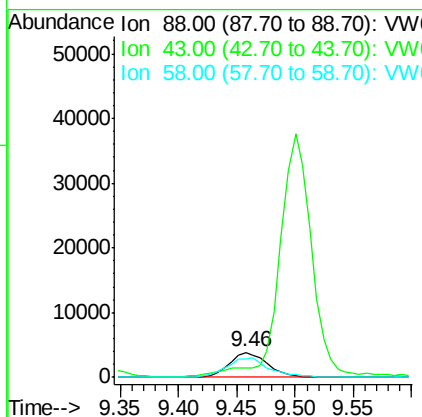
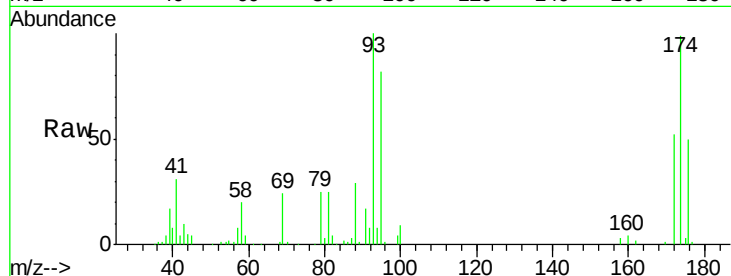
#49
 1,4-Dioxane
 Concen: 440.240 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	88.3	71.0	106.4

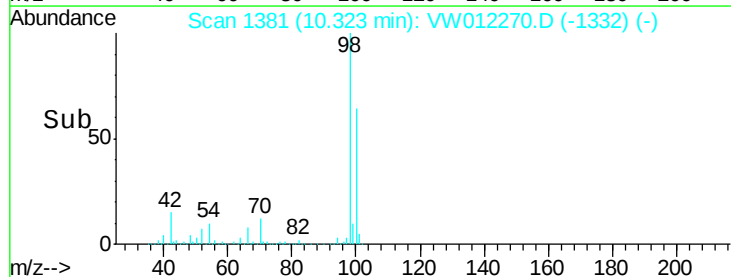
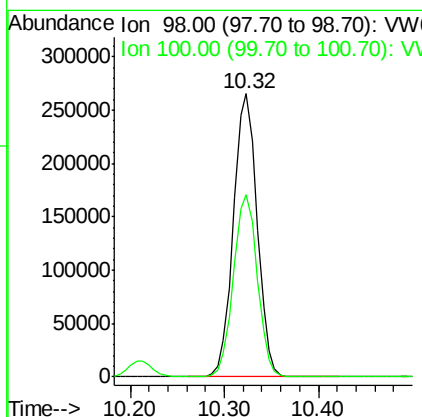
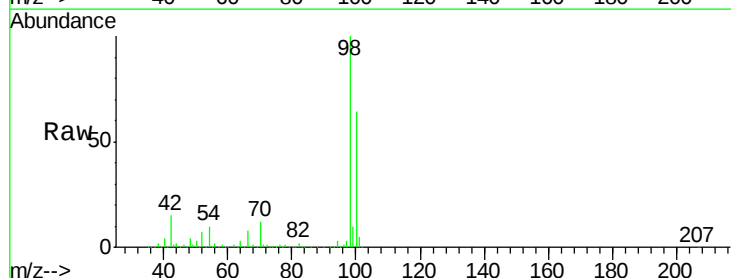
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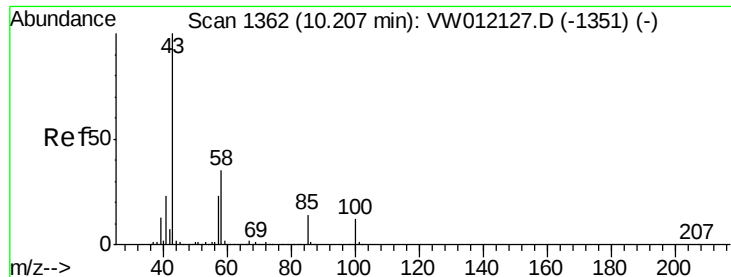
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#50
 Toluene-d8
 Concen: 49.464 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 112.352 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampled :

VW0828SBS02

Tot Ion: 43 Resp: 232085

Ion Ratio Lower Upper

43 100

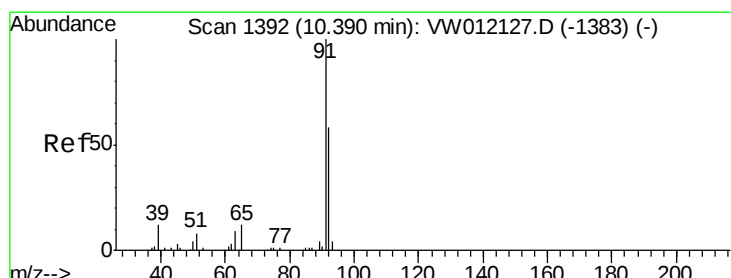
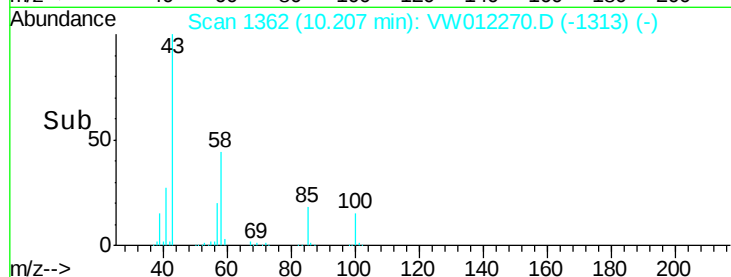
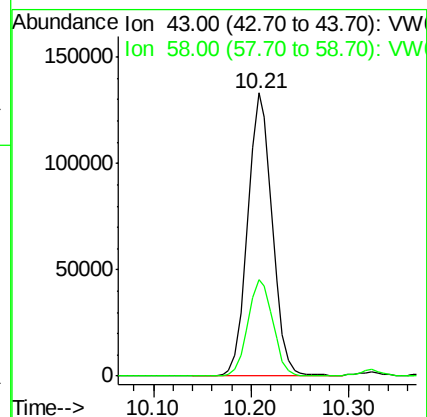
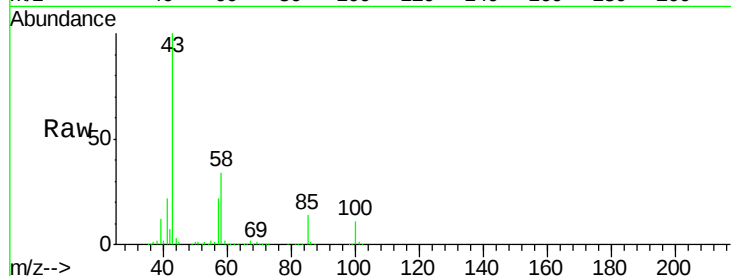
58 34.8 28.2 42.2

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#52

Toluene

Concen: 19.474 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012270.D

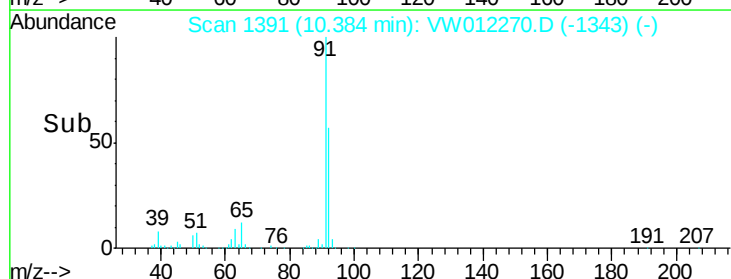
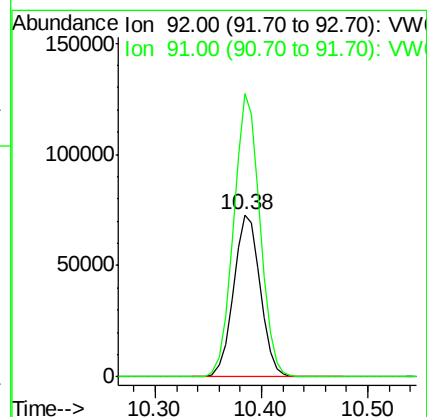
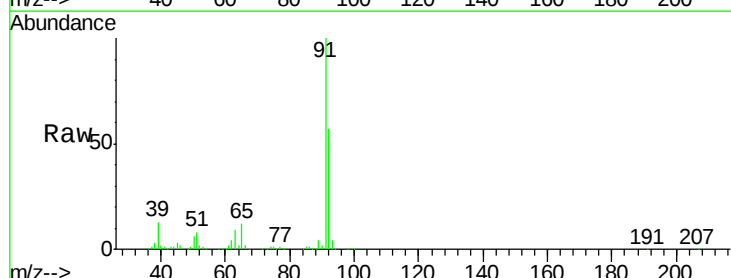
Acq: 28 Aug 2019 23:52

Tgt Ion: 92 Resp: 127814

Ion Ratio Lower Upper

92 100

91 172.3 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 19.920 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

Tot Ion: 75 Resp: 70648

Ion Ratio Lower Upper

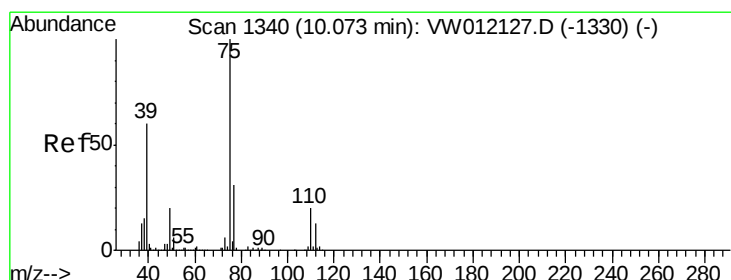
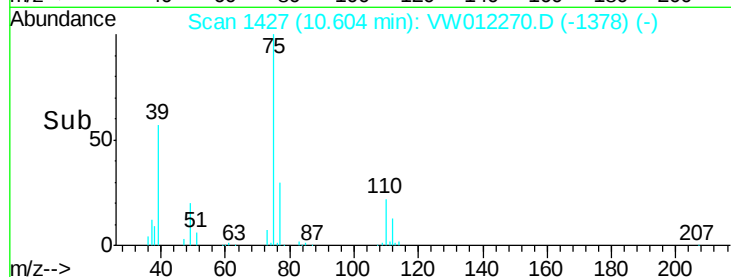
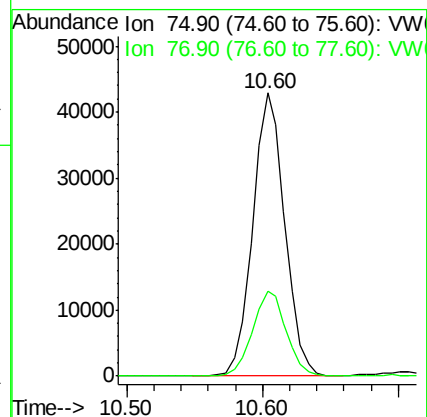
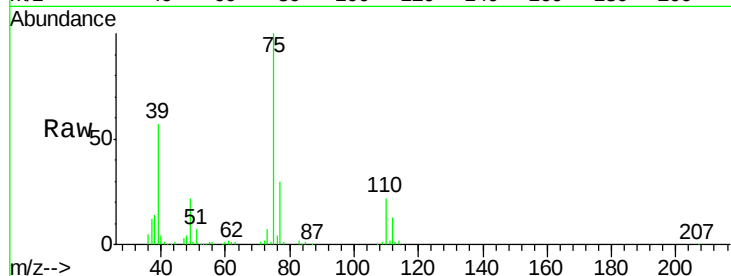
75 100

77 29.6 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 19.356 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

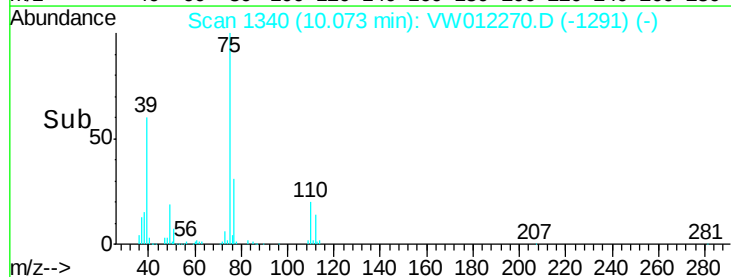
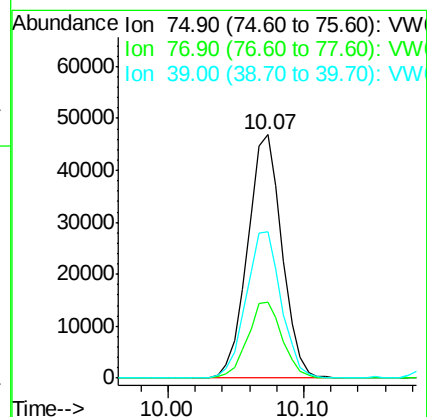
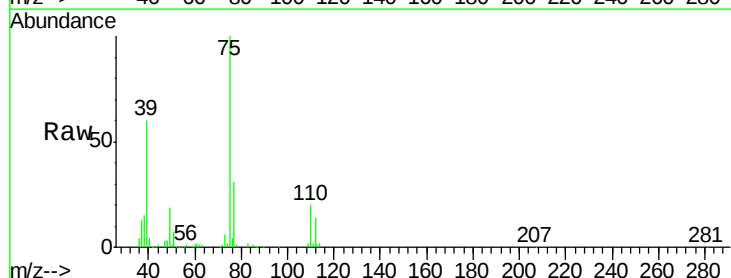
Tgt Ion: 75 Resp: 82890

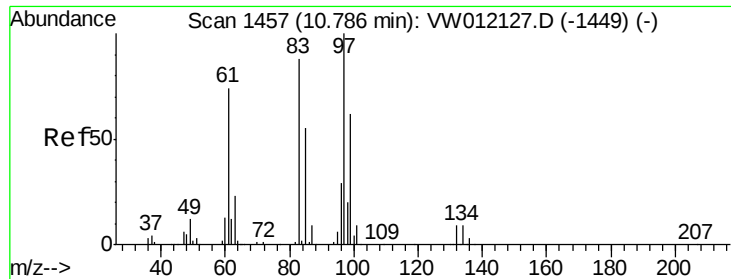
Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

39 59.7 48.3 72.5





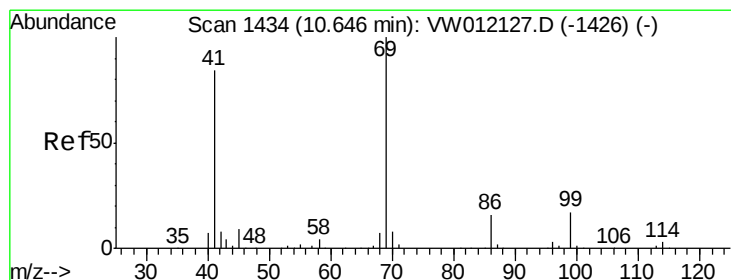
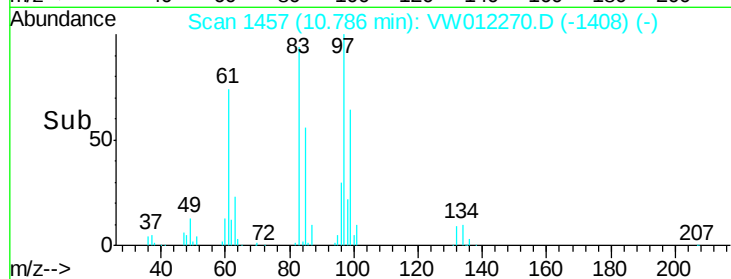
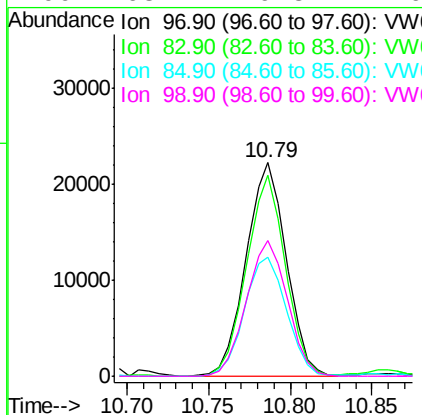
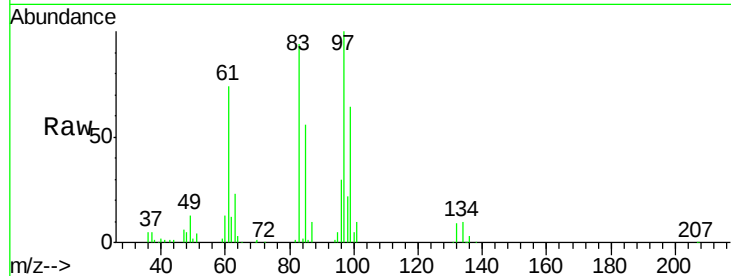
#55
 1,1,2-Trichloroethane
 Concen: 20.675 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Tot Ion:	97	Resp:	38269
Ion	Ratio	Lower	Upper
97	100		
83	93.8	70.8	106.2
85	55.7	43.8	65.8
99	63.7	49.8	74.6

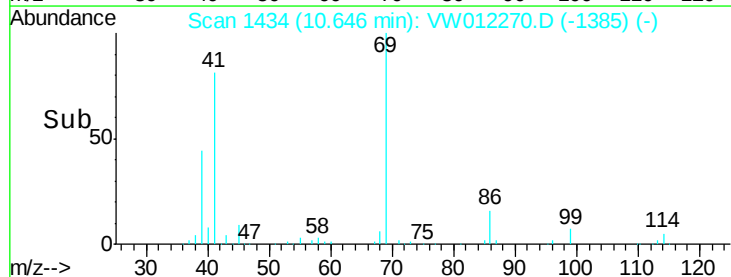
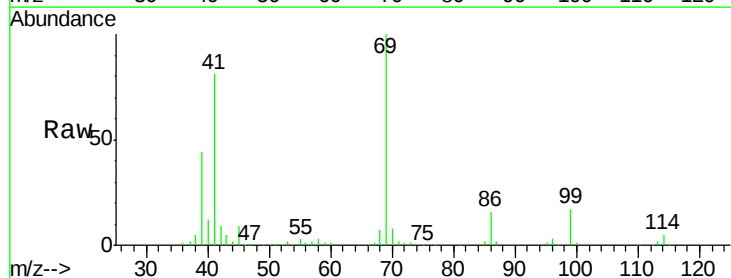
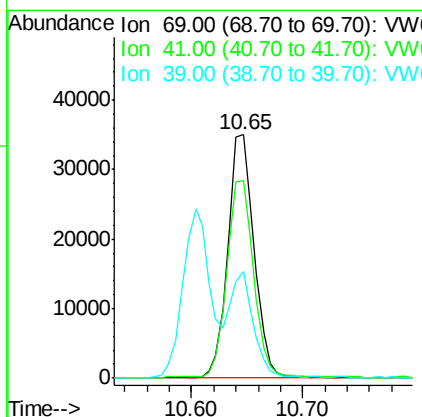
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#56
 Ethyl methacrylate
 Concen: 21.302 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion:	69	Resp:	57388
Ion	Ratio	Lower	Upper
69	100		
41	81.3	66.5	99.7
39	37.9	31.0	46.4





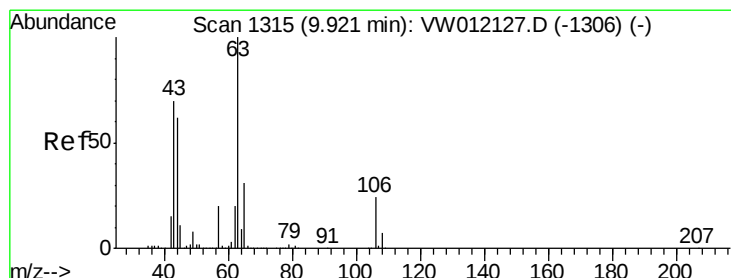
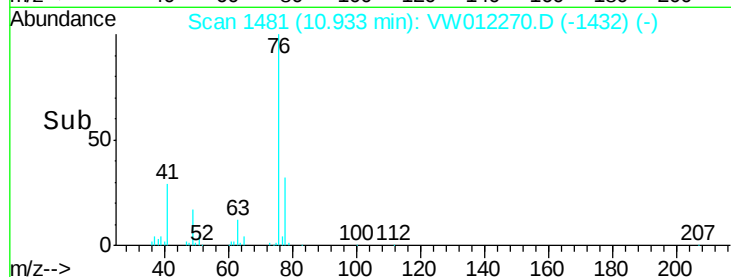
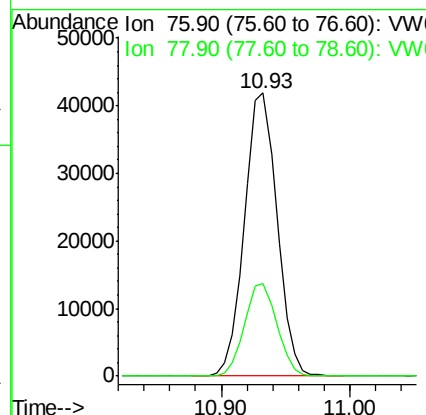
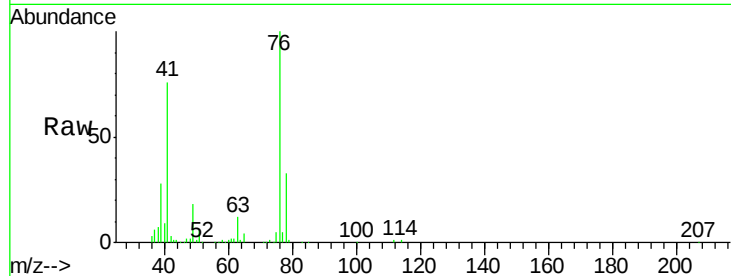
#57
 1,3-Dichloropropane
 Concen: 20.948 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Tot Ion: 76 Resp: 73273
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8

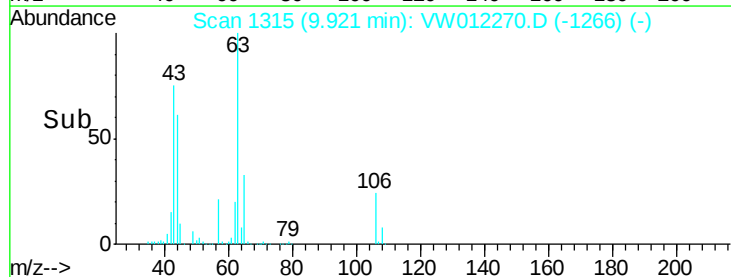
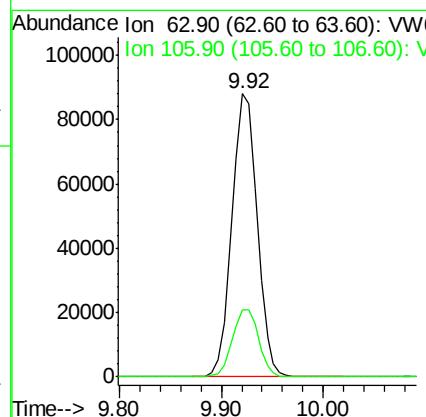
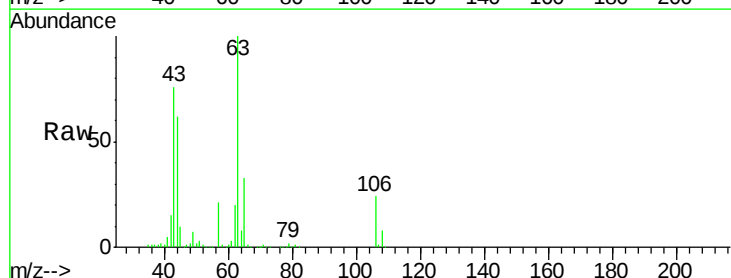
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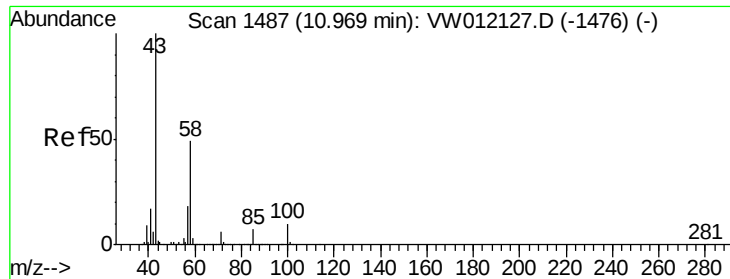
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#58
 2-Chloroethyl Vinyl ether
 Concen: 109.001 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion: 63 Resp: 150705
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.8





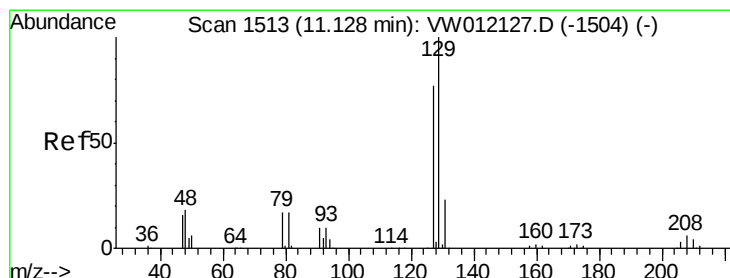
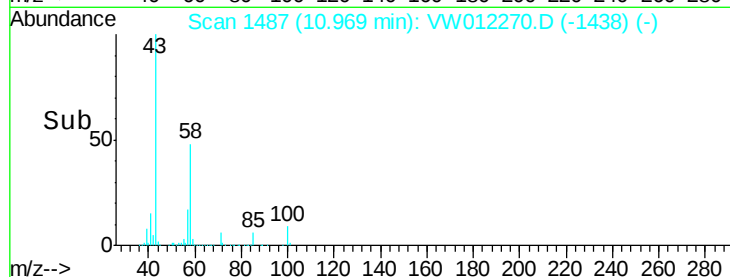
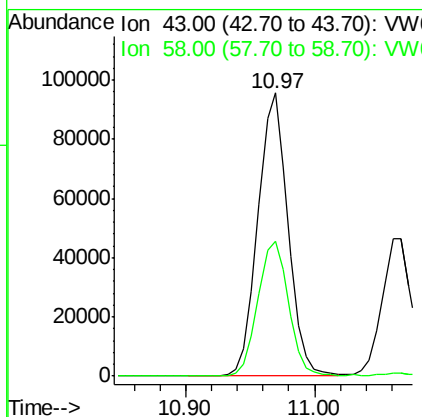
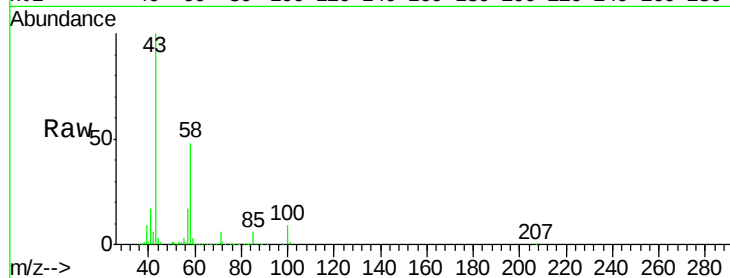
#59
2-Hexanone
Concen: 105.697 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tot Ion	43	Resp	154488
Ion Ratio	100	Lower	Upper
43	100		
58	48.7	24.3	72.9

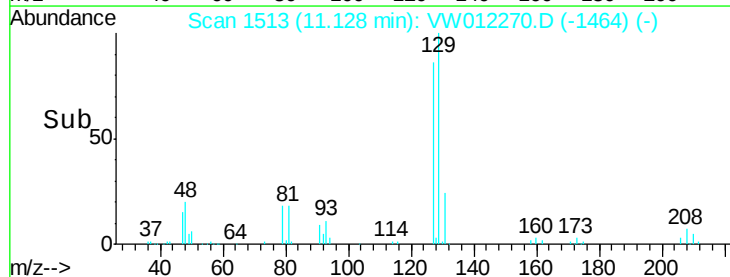
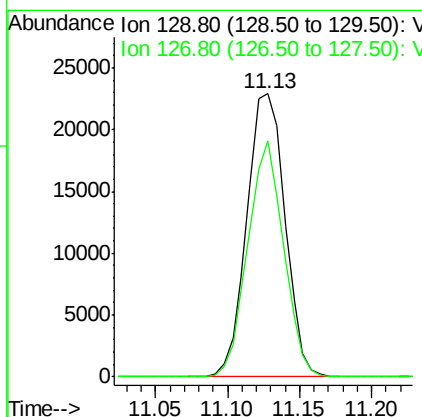
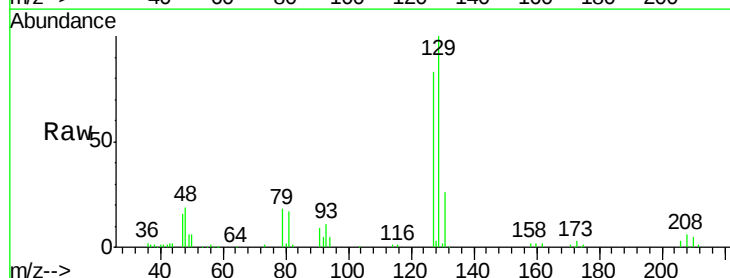
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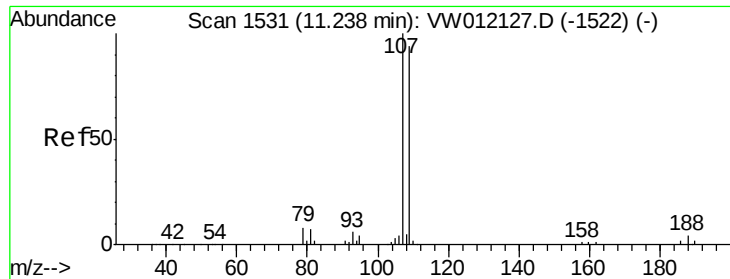
MMDadoda
8/29/2019 9:41:34 AM



#60
Dibromochloromethane
Concen: 20.400 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion	129	Resp	42059
Ion Ratio	100	Lower	Upper
129	100		
127	78.0	38.6	115.8





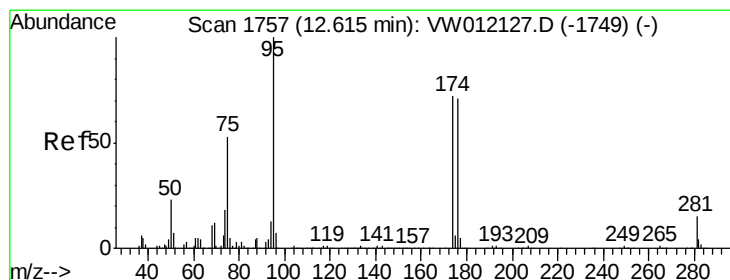
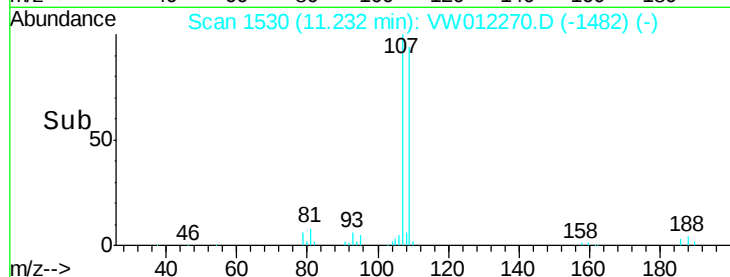
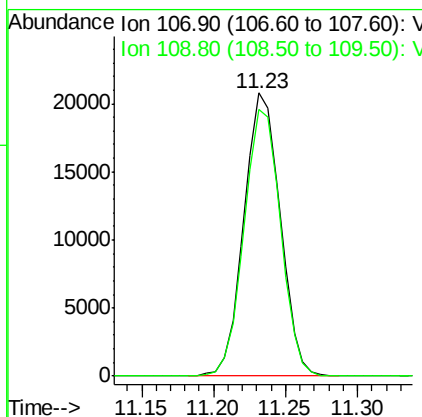
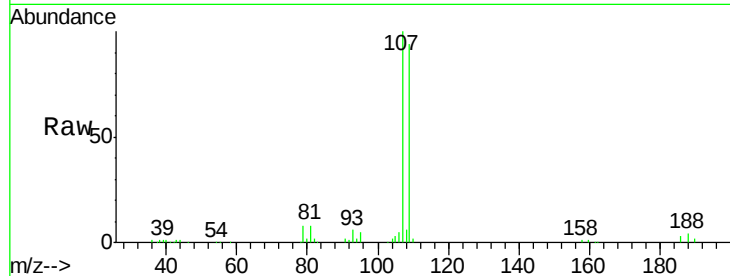
#61
 1,2-Dibromoethane
 Concen: 20.996 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.4	113.2

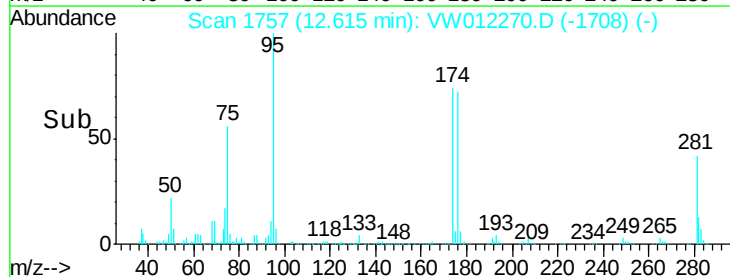
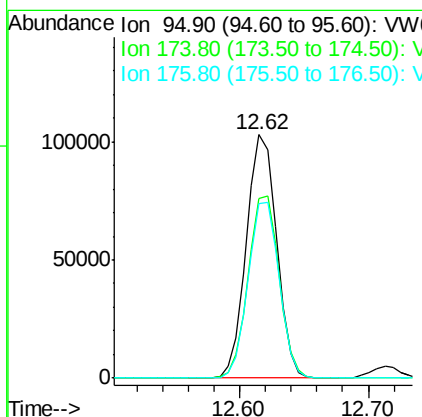
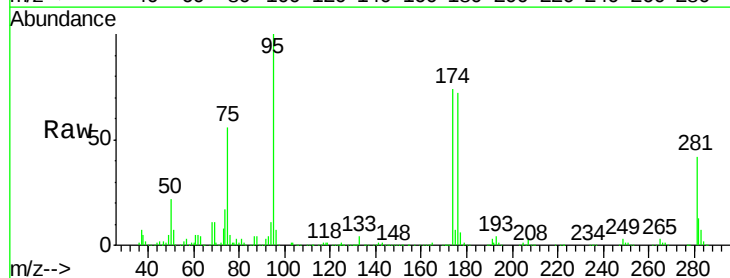
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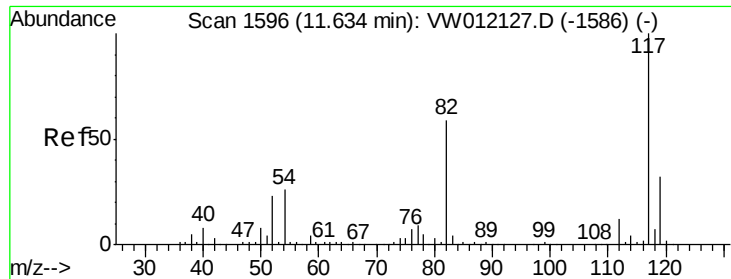
MMDadoda
 8/29/2019 9:41:34 AM



#62
 4-Bromofluorobenzene
 Concen: 50.561 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	150.8
176	73.9	0.0	148.6





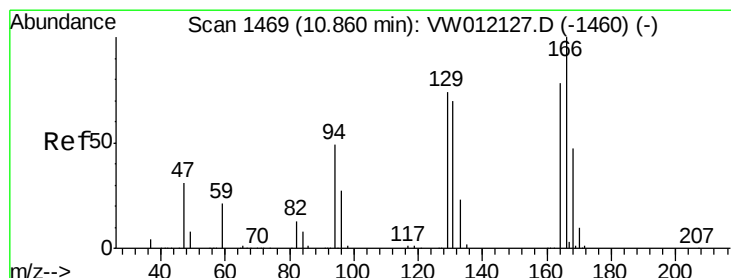
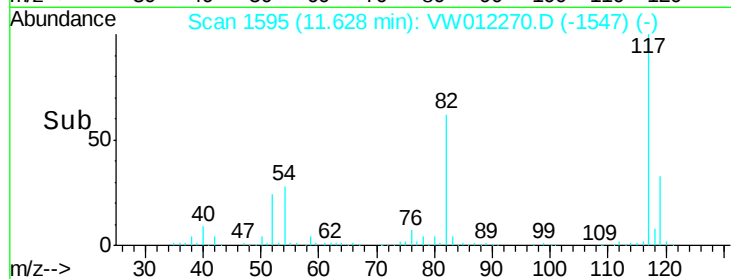
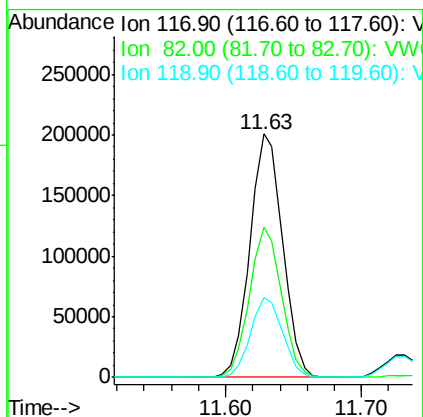
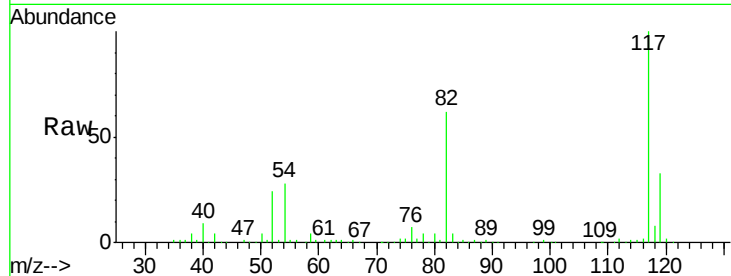
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	47.4	71.2
119	32.9	25.4	38.2

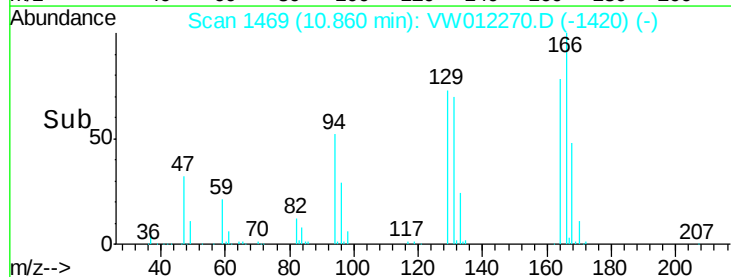
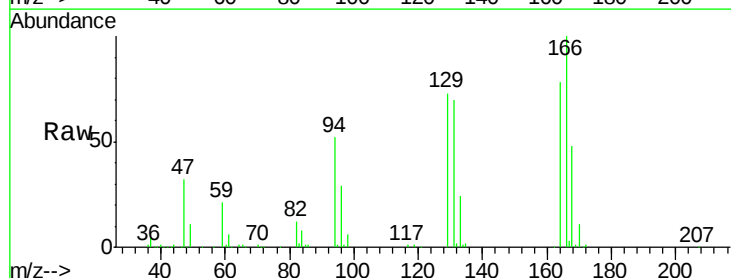
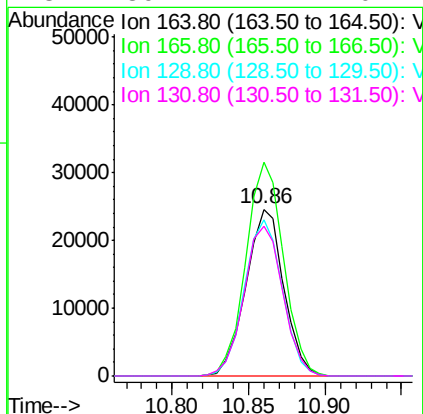
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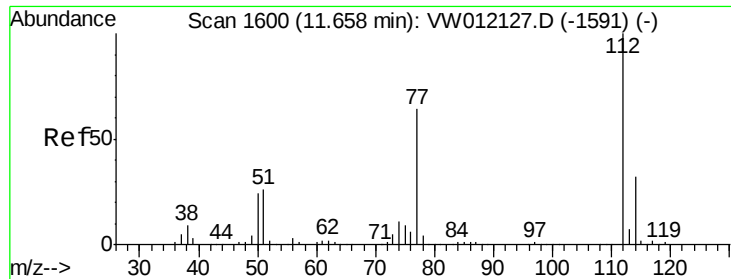
MMDadoda
8/29/2019 9:41:34 AM



#64
Tetrachloroethene
Concen: 19.133 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.4	153.6
129	93.6	75.8	113.6
131	89.7	71.4	107.2





#65

Chlorobenzene

Concen: 19.717 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

Tot Ion:112 Resp: 131611

Ion Ratio Lower Upper

112 100

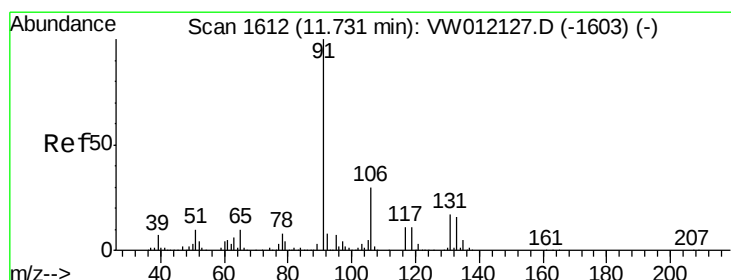
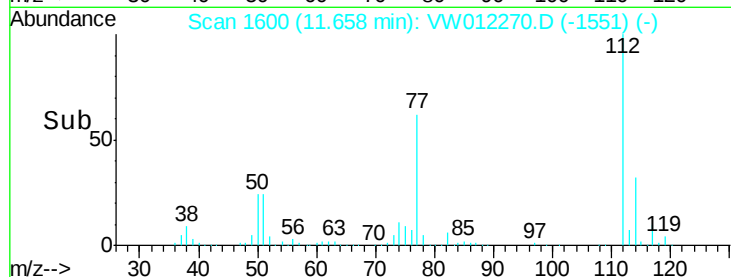
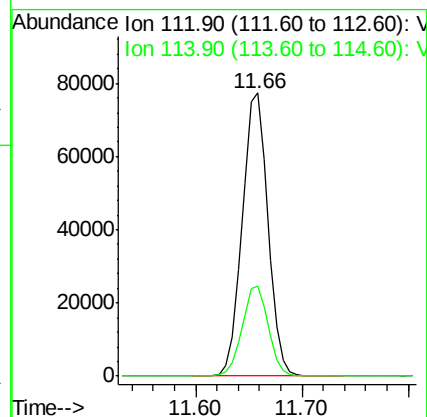
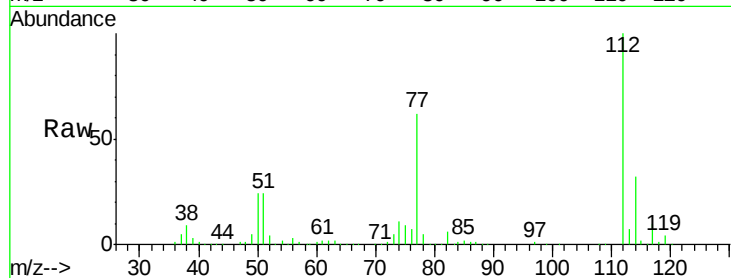
114 31.8 25.8 38.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.923 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

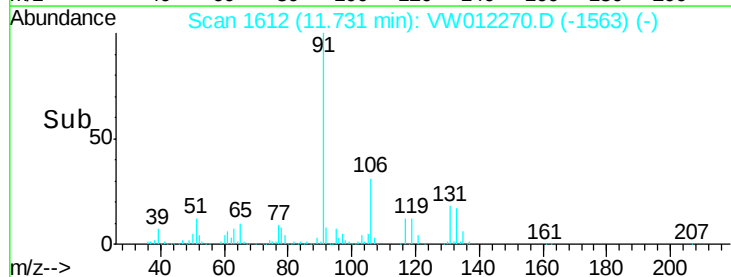
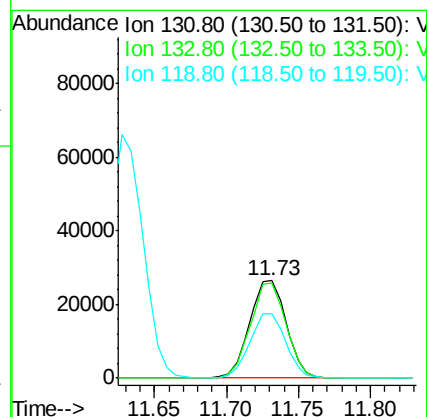
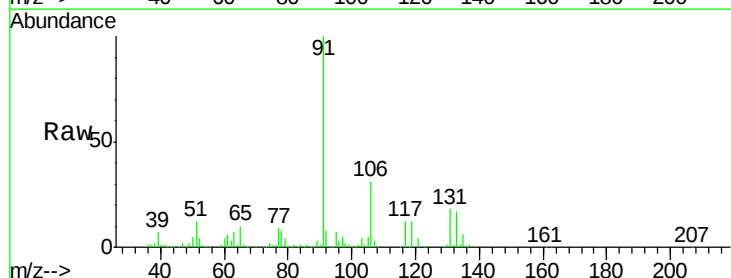
Tgt Ion:131 Resp: 46395

Ion Ratio Lower Upper

131 100

133 95.9 47.1 141.3

119 65.5 31.8 95.3





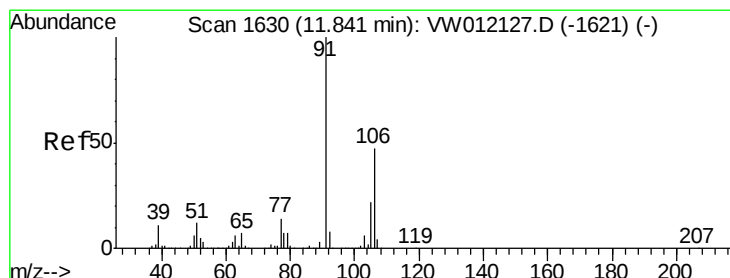
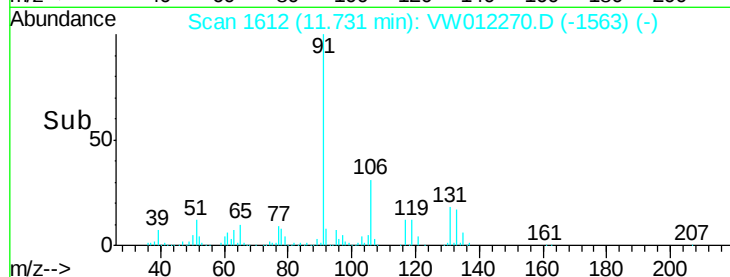
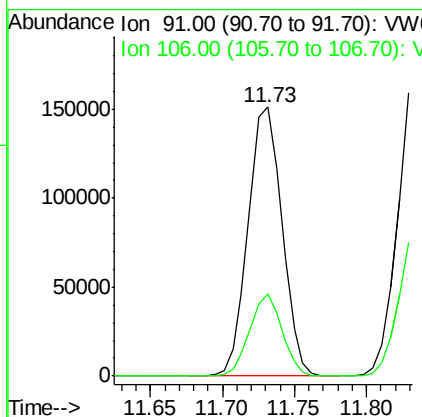
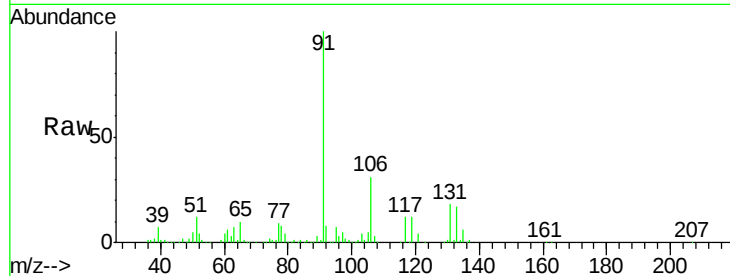
#67
Ethyl Benzene
Concen: 19.258 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tot Ion: 91 Resp: 247622
Ion Ratio Lower Upper
91 100
106 30.7 24.3 36.5

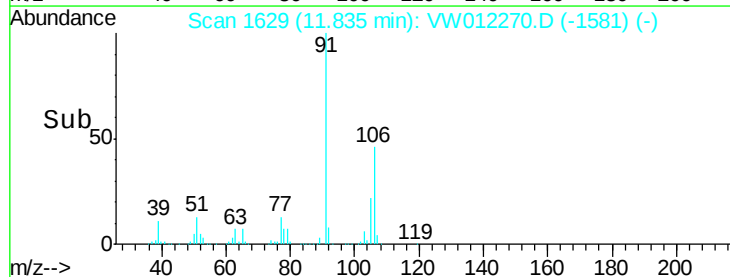
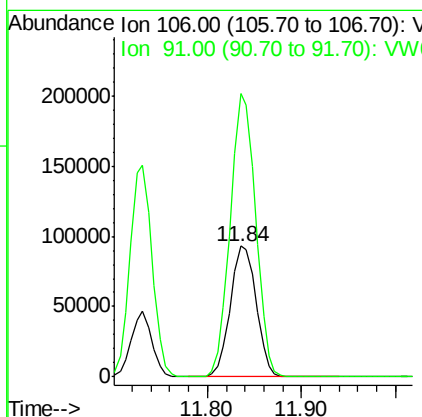
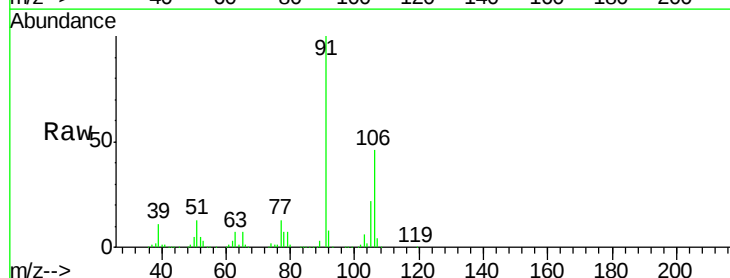
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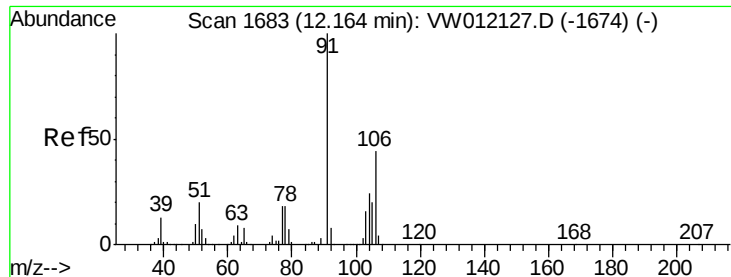
MMDadoda
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#68
m/p-Xylenes
Concen: 38.501 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion: 106 Resp: 178326
Ion Ratio Lower Upper
106 100
91 212.0 169.5 254.3





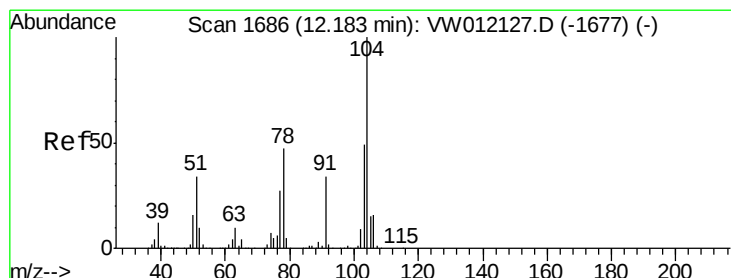
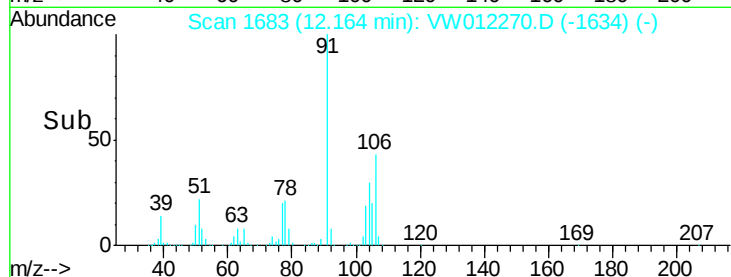
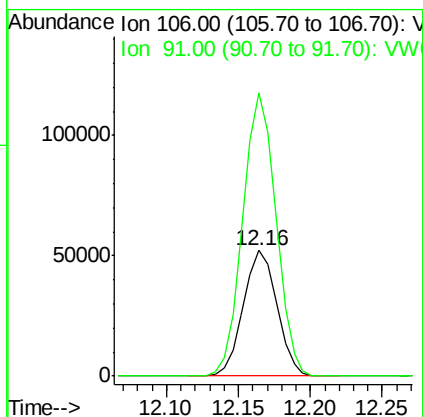
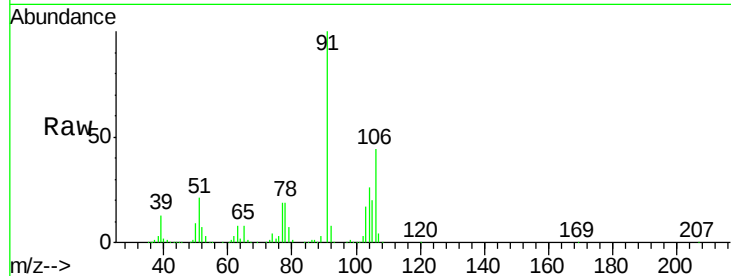
#69
o-Xylene
Concen: 19.678 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tot Ion:106 Resp: 84357
Ion Ratio Lower Upper
106 100
91 223.7 111.6 334.6

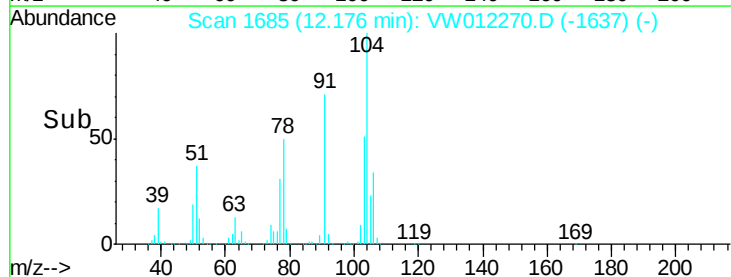
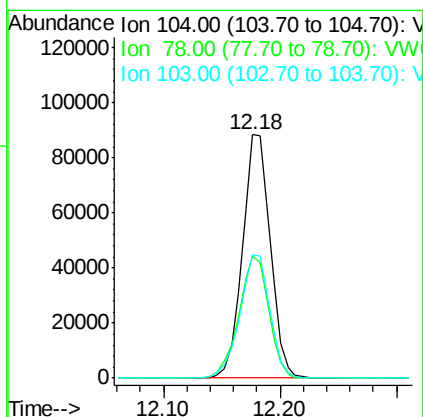
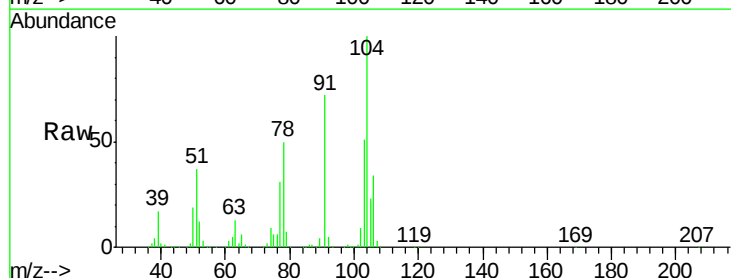
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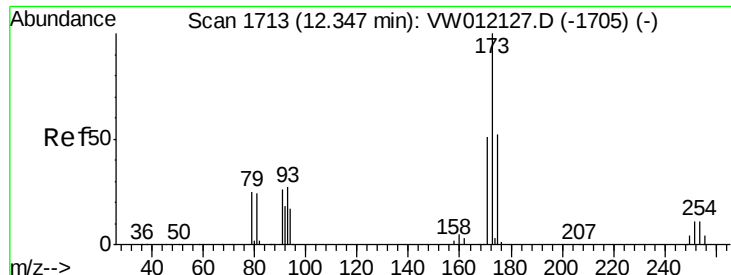
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#70
Styrene
Concen: 19.861 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion:104 Resp: 147371
Ion Ratio Lower Upper
104 100
78 54.0 43.1 64.7
103 54.5 43.5 65.3





#71

Bromoform

Concen: 20.508 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

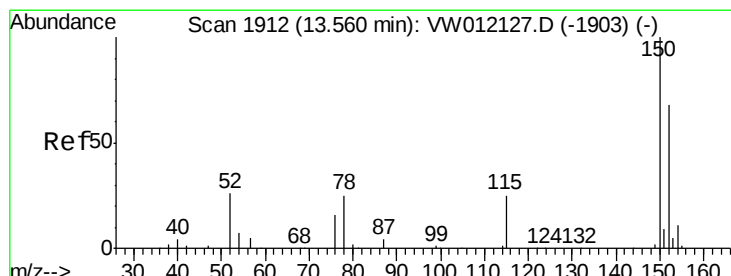
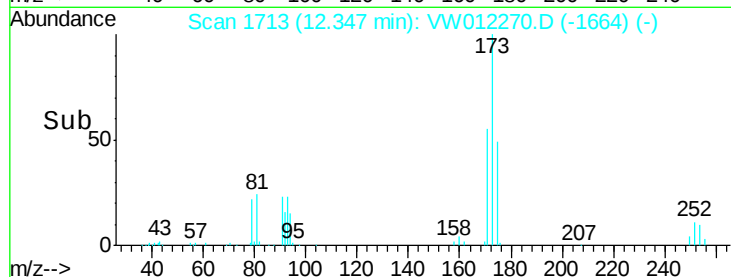
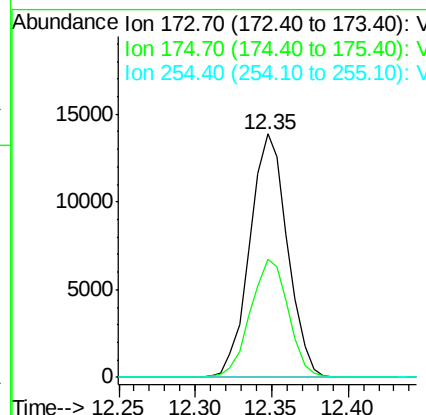
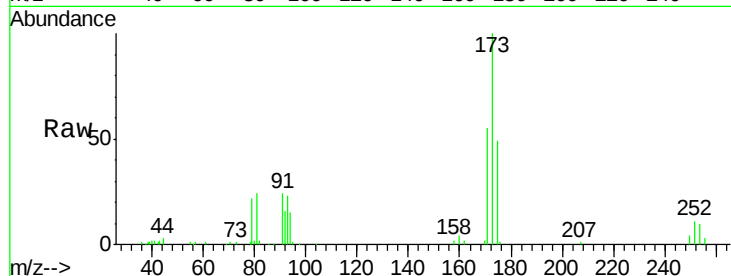
ClientSampleId :

VW0828SBS02

Tot Ion:	173	Resp:	23793
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.6	74.0
254	0.0	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

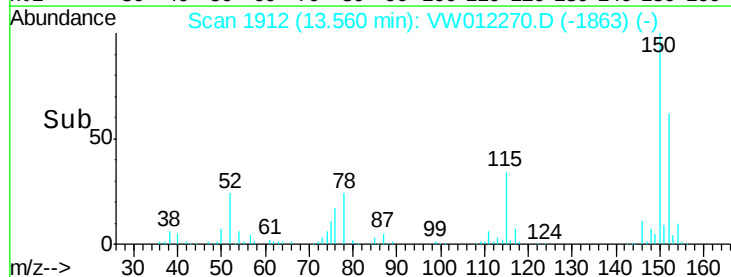
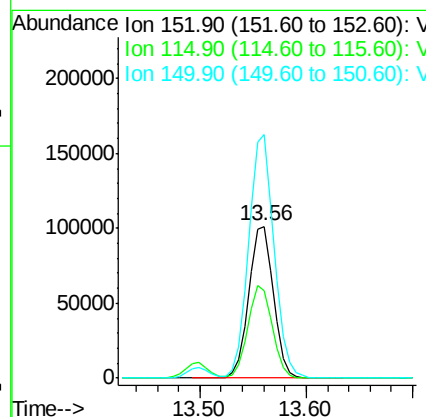
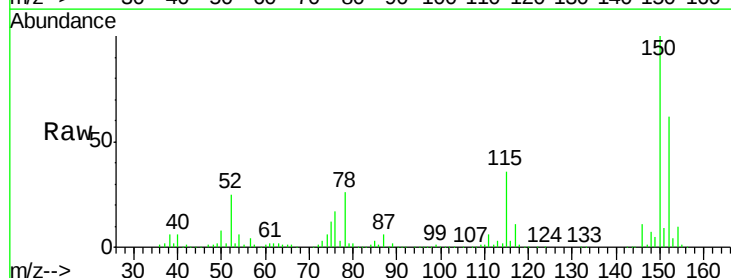
RT: 13.56 min Scan# 1912

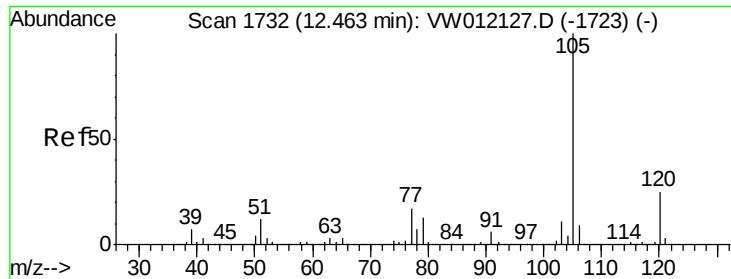
Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Tgt Ion:	152	Resp:	164411
Ion Ratio	Lower	Upper	
152	100		
115	60.1	30.1	90.3
150	165.8	0.0	345.8





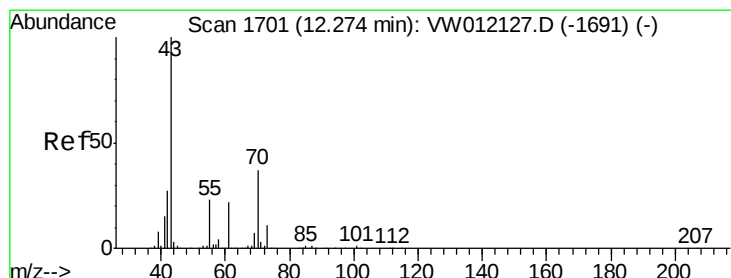
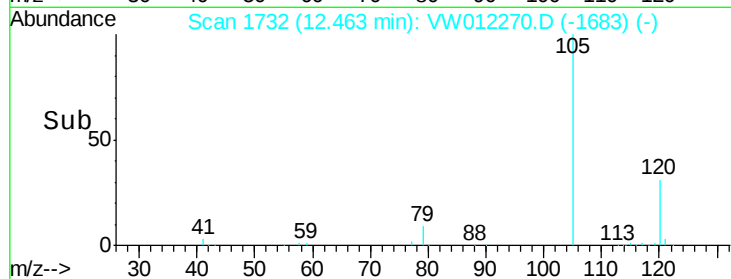
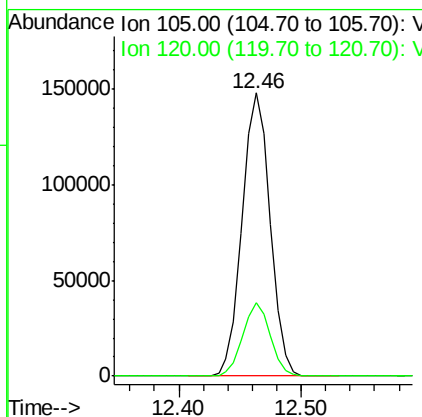
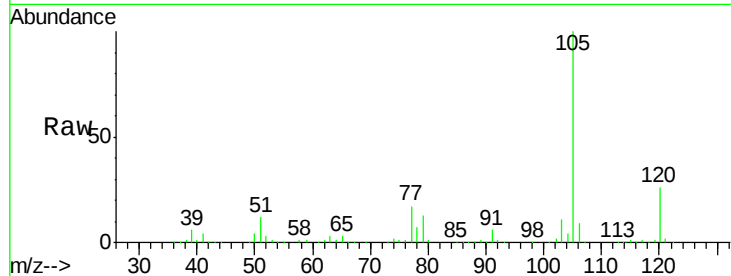
#73
Isopropylbenzene
Concen: 19.094 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tot Ion: 105 Resp: 235224
Ion Ratio Lower Upper
105 100
120 25.5 12.5 37.5

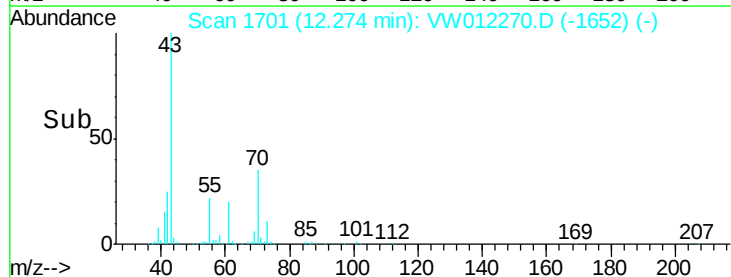
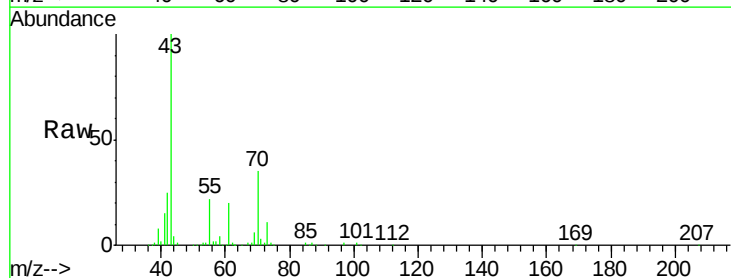
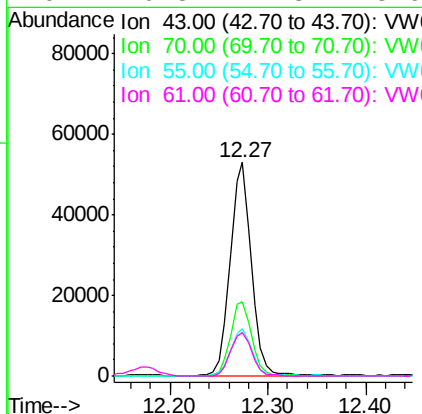
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#74
N-ethyl acetate
Concen: 21.439 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion: 43 Resp: 79797
Ion Ratio Lower Upper
43 100
70 35.1 28.6 43.0
55 22.6 17.8 26.6
61 20.8 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.080 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

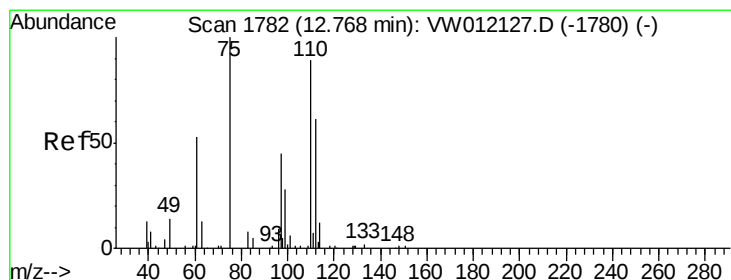
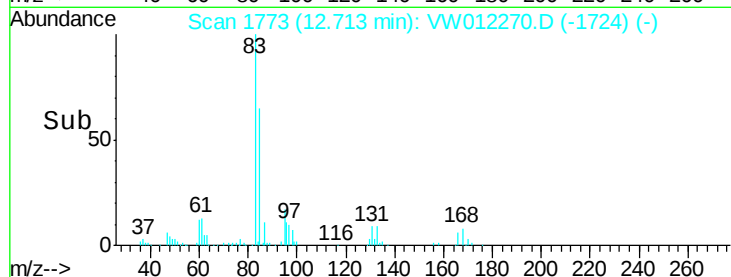
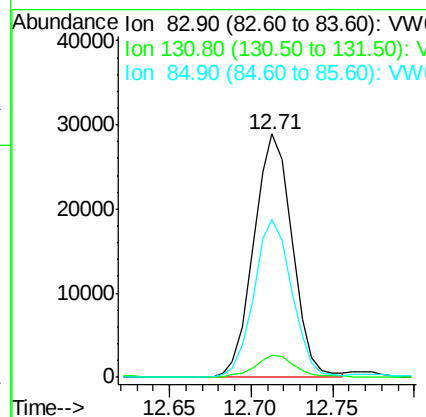
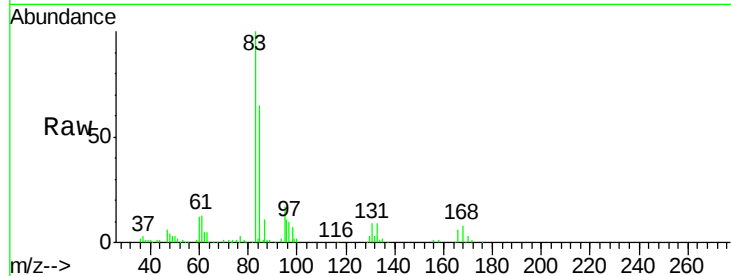
ClientSampleId :

VW0828SBS02

Tot Ion:	83	Resp:	47611
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	64.1	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 24.626 ug/l m

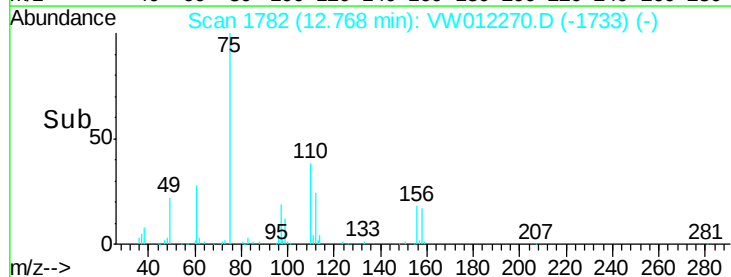
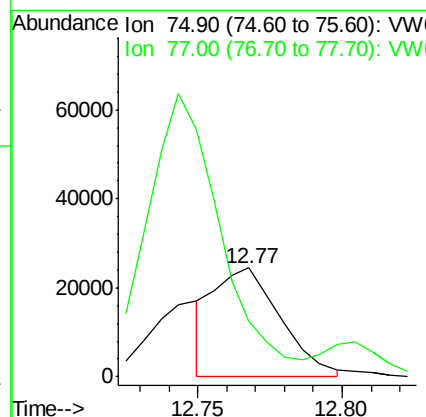
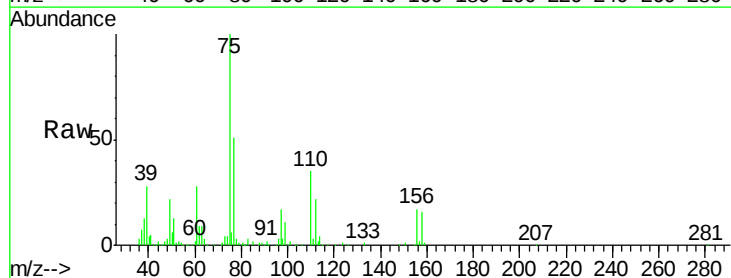
RT: 12.77 min Scan# 1782

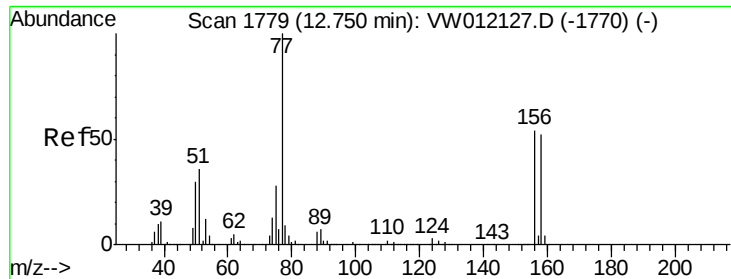
Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Tgt Ion:	75	Resp:	39433
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.871 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

Tot Ion:156 Resp: 52959

Ion Ratio Lower Upper

156 100

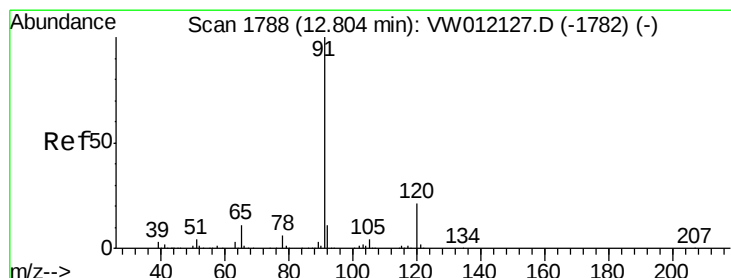
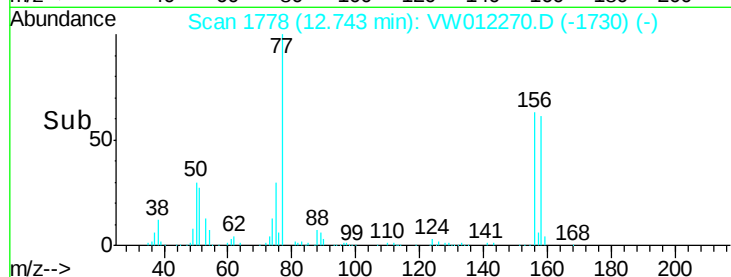
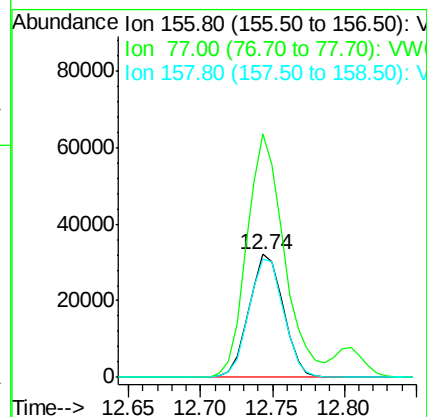
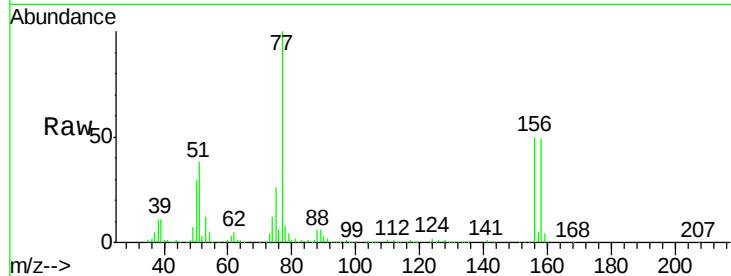
77 215.2 107.3 321.8

158 97.6 49.0 147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 18.999 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012270.D

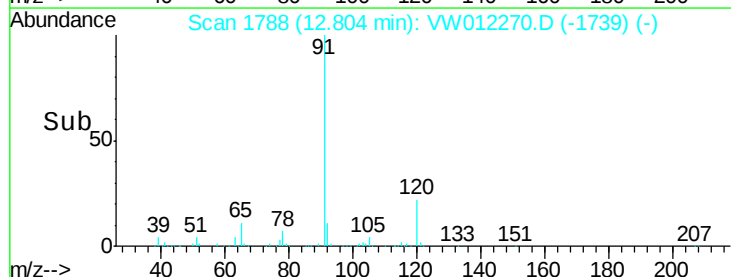
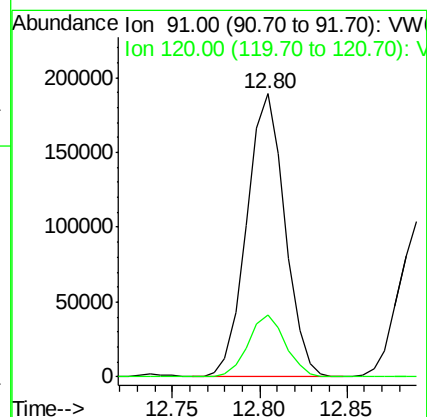
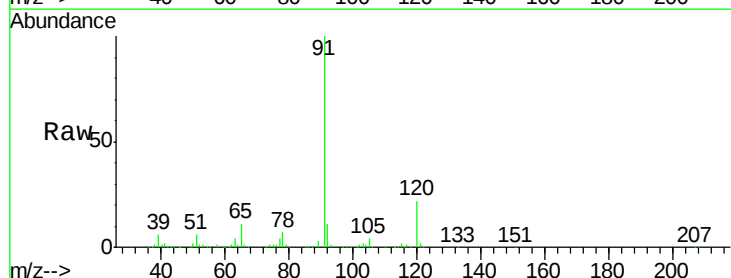
Acq: 28 Aug 2019 23:52

Tgt Ion: 91 Resp: 285734

Ion Ratio Lower Upper

91 100

120 21.4 10.5 31.6





#79

2-Chlorotoluene

Concen: 19.317 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

Tot Ion: 91 Resp: 164943

Ion Ratio Lower Upper

91 100

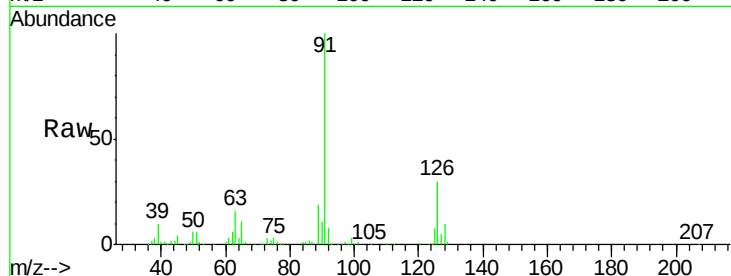
126 31.5 15.7 47.0

Manual Integrations

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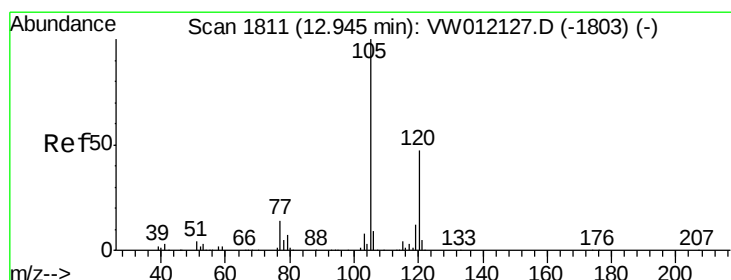
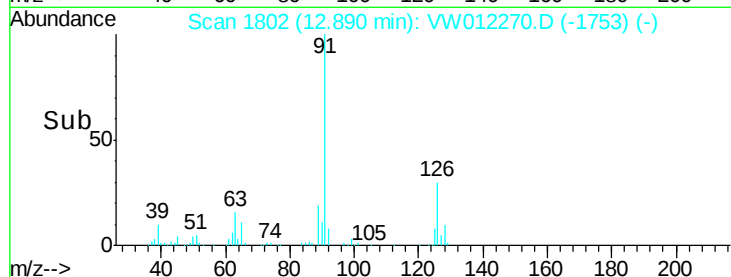
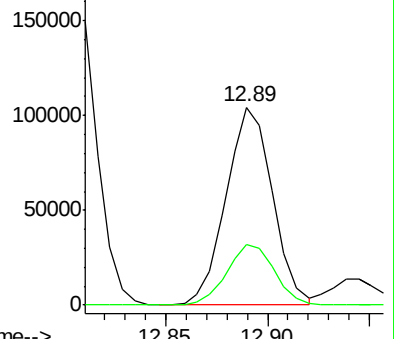
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.356 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012270.D

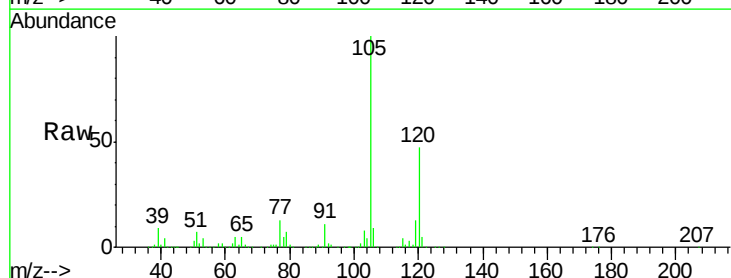
Acq: 28 Aug 2019 23:52

Tgt Ion:105 Resp: 199251

Ion Ratio Lower Upper

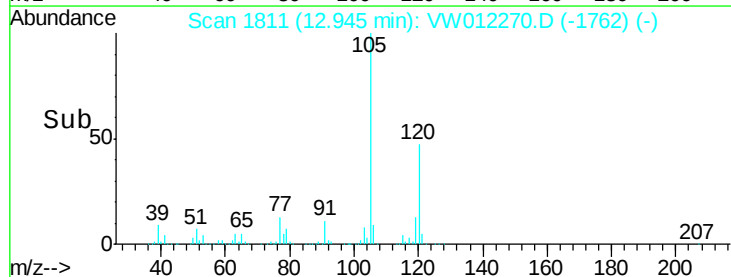
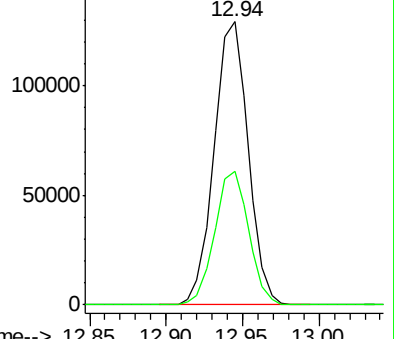
105 100

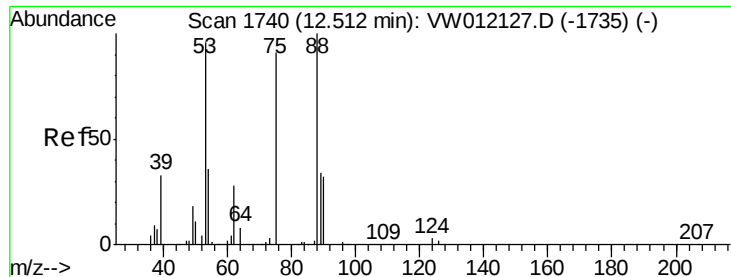
120 47.4 24.0 72.0



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: 19.374 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

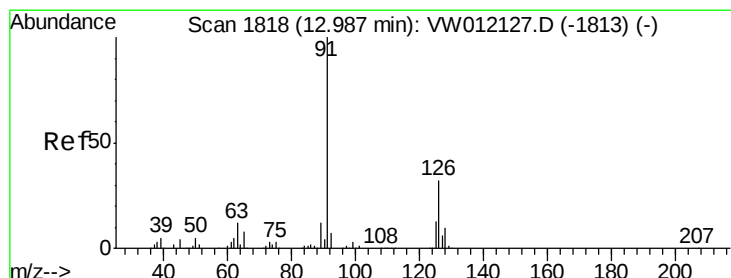
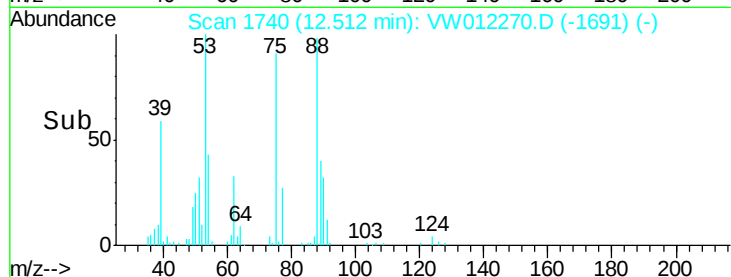
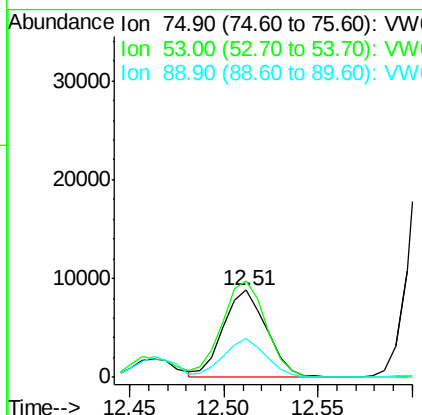
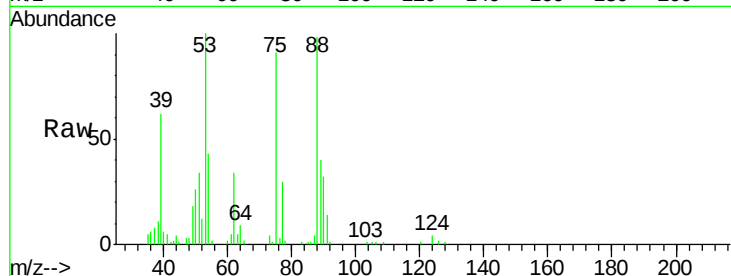
ClientSampleId :

VW0828SBS02

Tot Ion:	75	Resp:	14149
Ion	Ratio	Lower	Upper
75	100		
53	110.8	89.4	134.0
89	43.4	34.5	51.7

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#82

4-Chlorotoluene

Concen: 19.575 ug/l

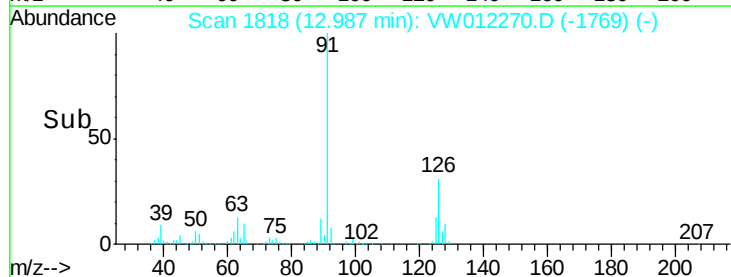
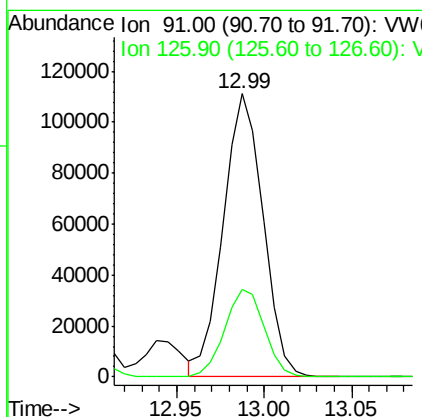
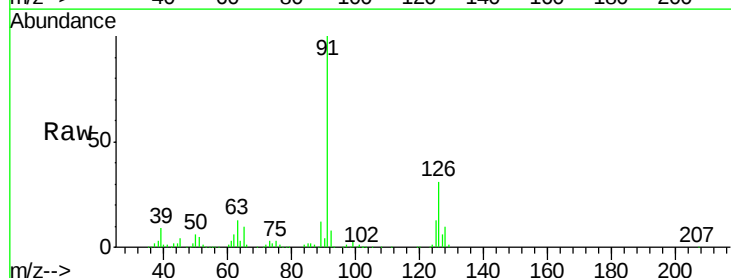
RT: 12.99 min Scan# 1818

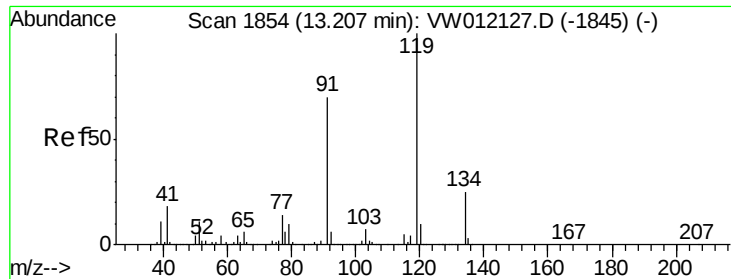
Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Tgt Ion:	91	Resp:	175016
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.8





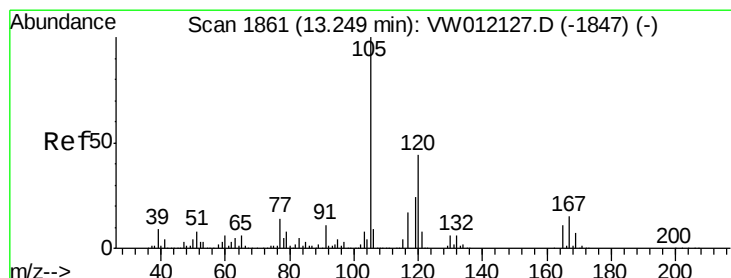
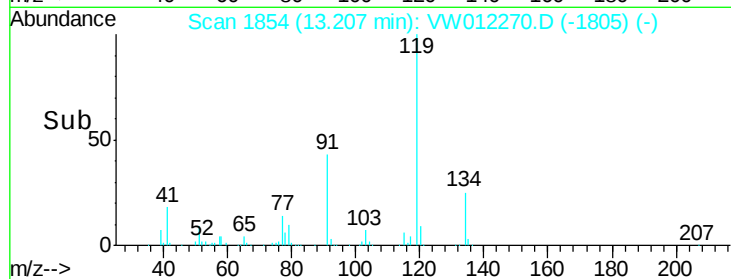
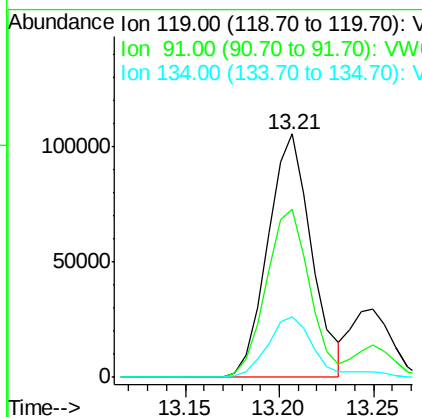
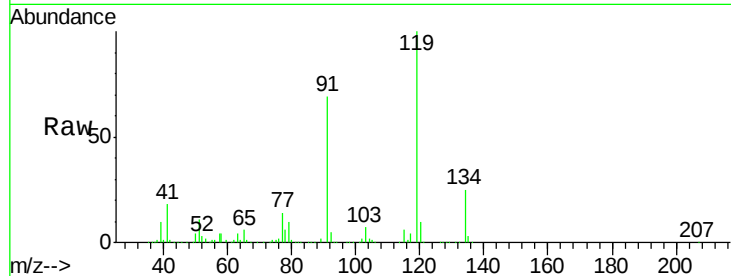
#83
tert-Butylbenzene
Concen: 19.465 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	169739		
91	68.9	34.8	104.3	
134	25.5	13.3	39.8	

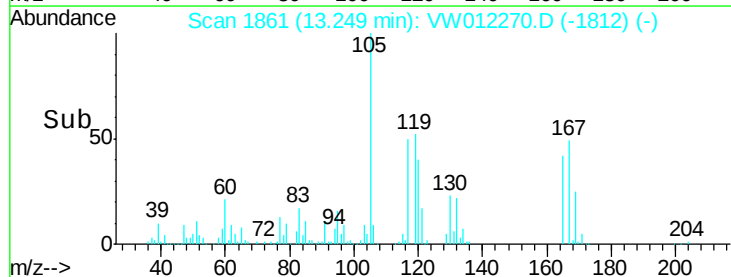
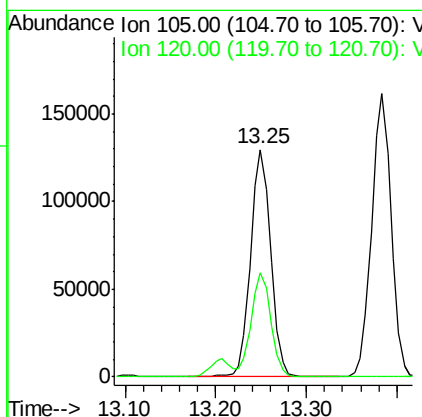
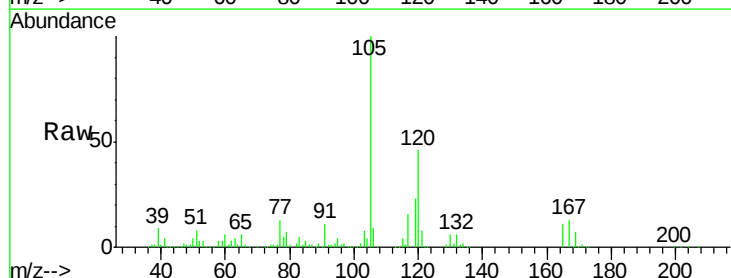
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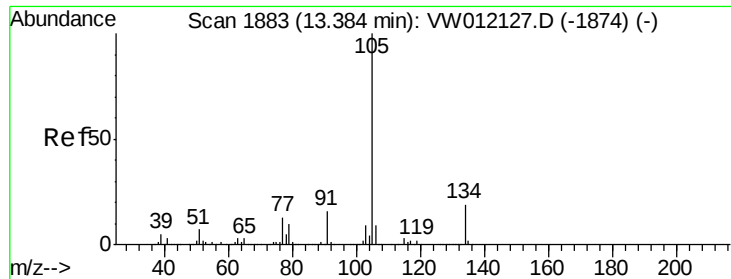
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#84
1,2,4-Trimethylbenzene
Concen: 19.325 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	199831		
120	44.0	21.9	65.7	





#85

sec-Butylbenzene

Concen: 19.274 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

Tot Ion:105 Resp: 240794

Ion Ratio Lower Upper

105 100

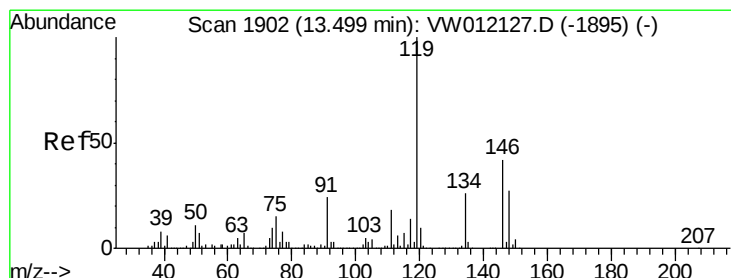
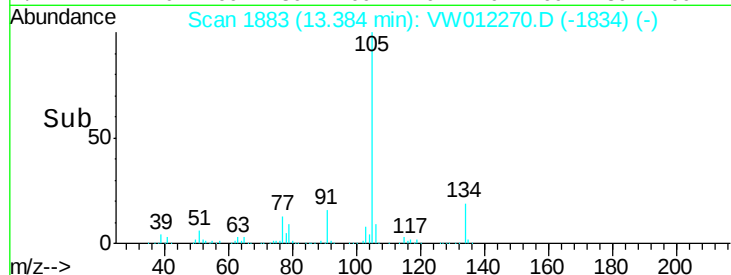
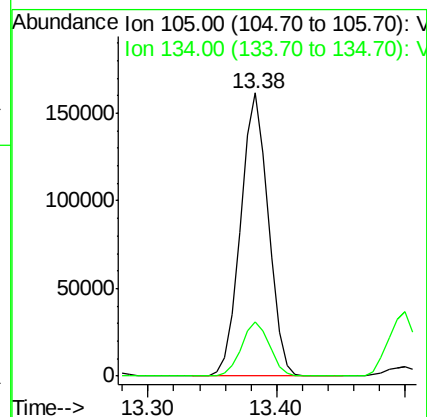
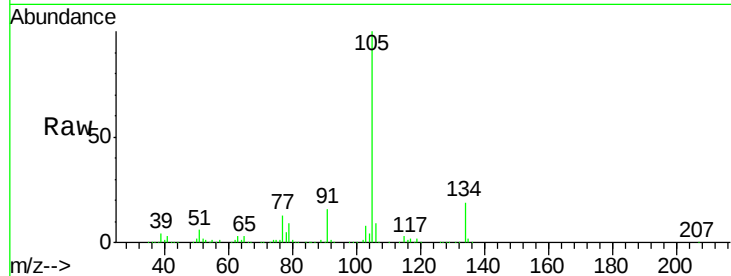
134 19.4 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 19.267 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

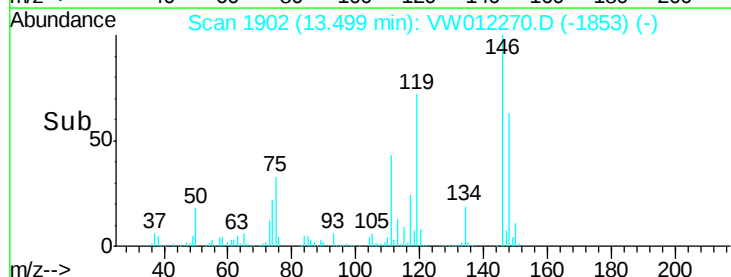
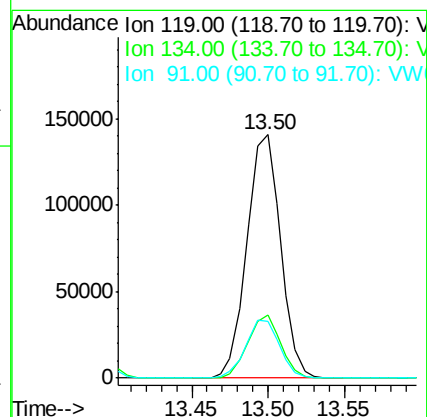
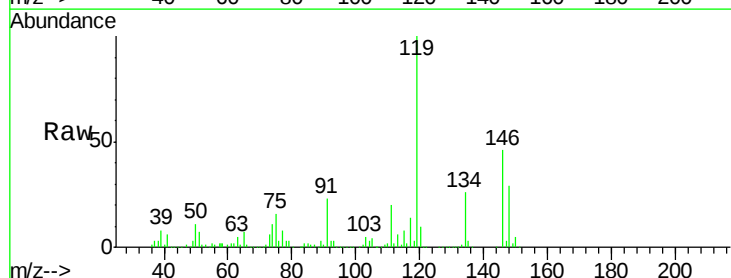
Tgt Ion:119 Resp: 214959

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 23.9 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 19.620 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

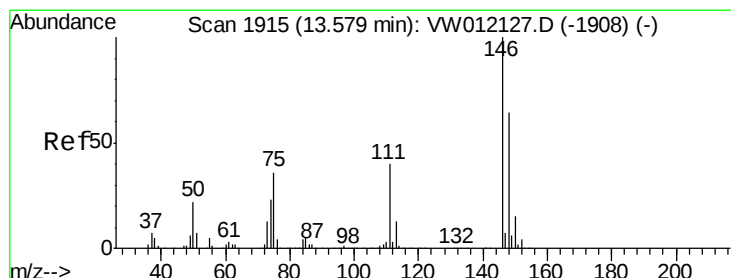
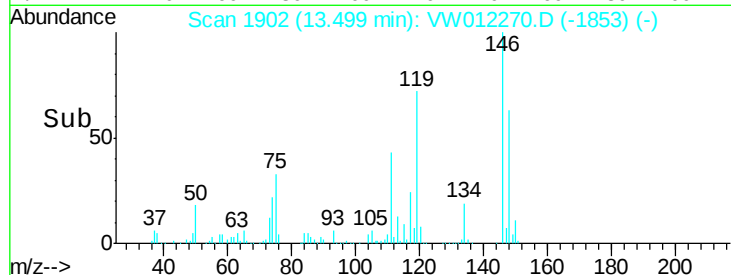
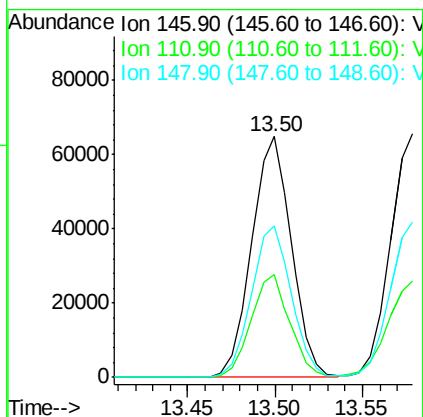
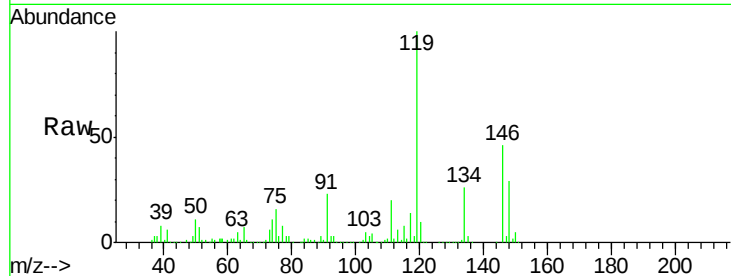
ClientSampleId :

VW0828SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.9	62.7
148	63.4	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 19.858 ug/l

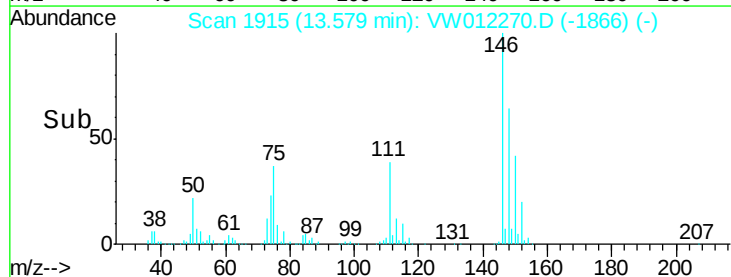
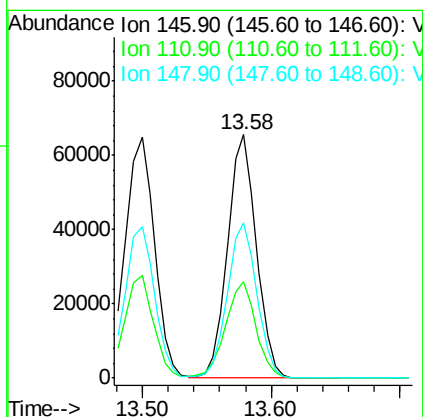
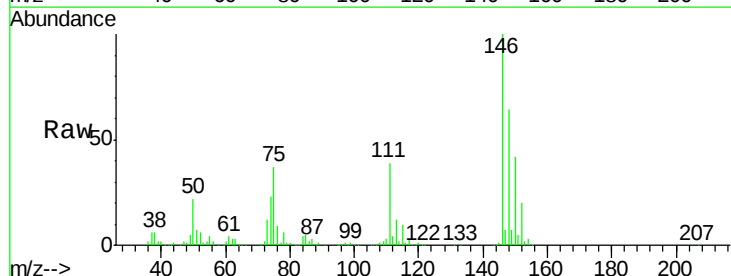
RT: 13.58 min Scan# 1915

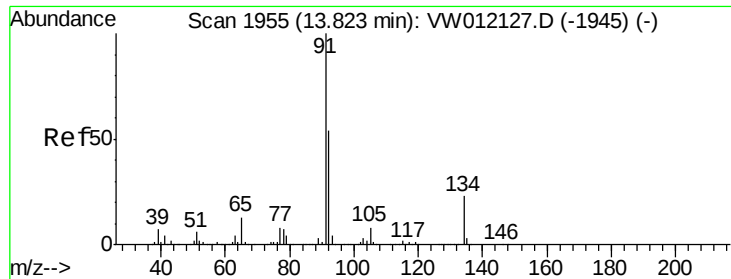
Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.0	60.0
148	65.2	32.1	96.3





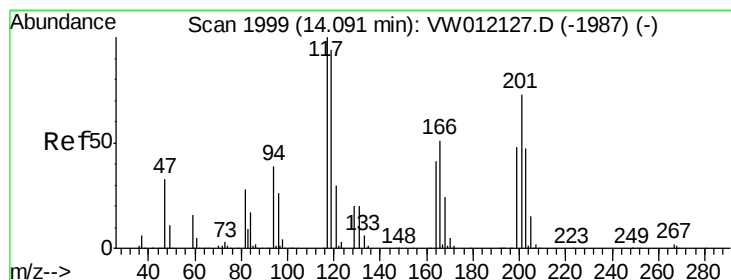
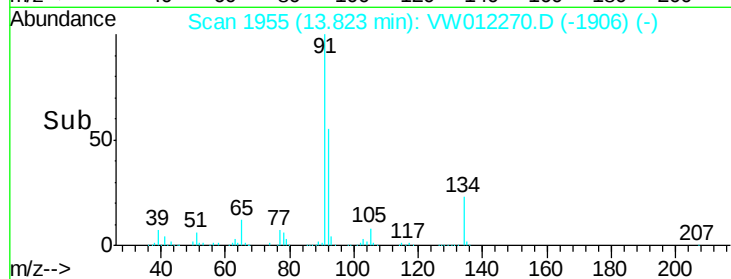
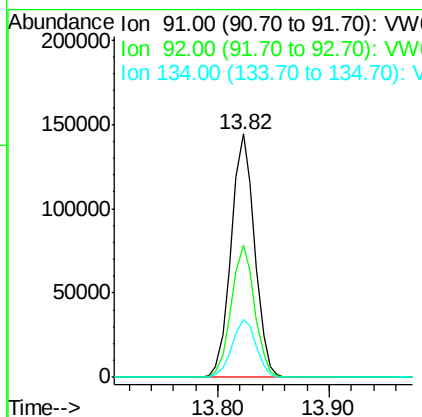
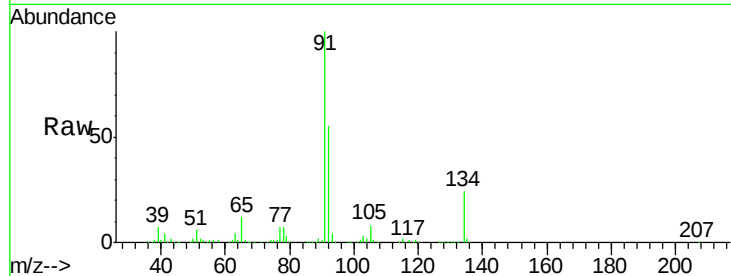
#89
n-Butylbenzene
Concen: 18.940 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	210135		
92	53.9	27.1	81.2	
134	24.3	12.2	36.4	

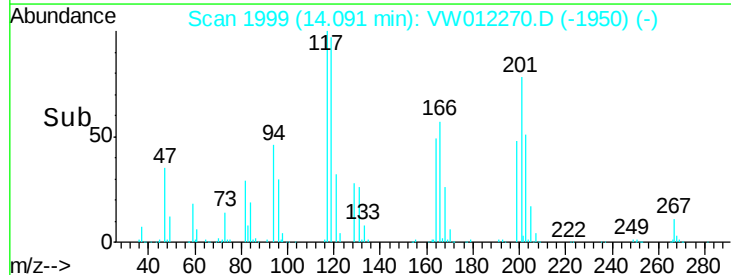
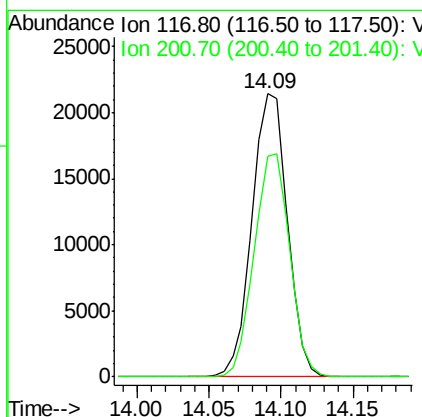
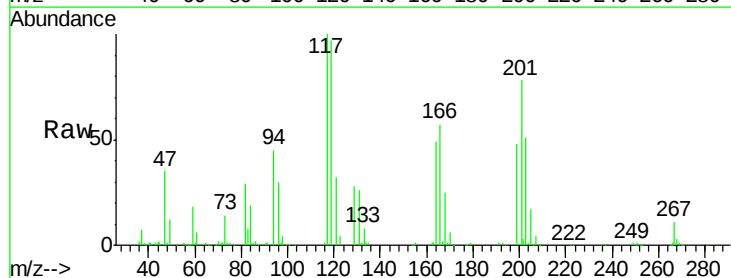
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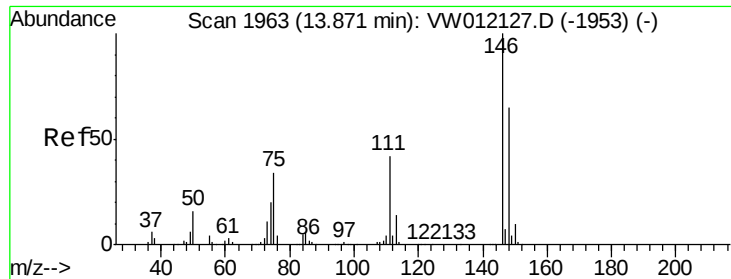
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#90
Hexachloroethane
Concen: 18.569 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36347		
201	79.3	38.6	115.7	





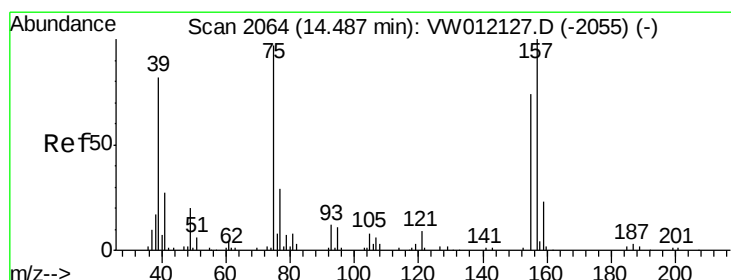
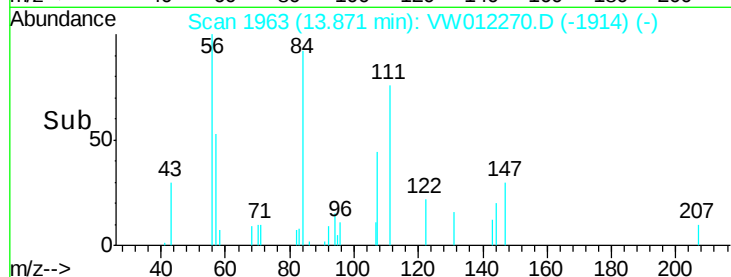
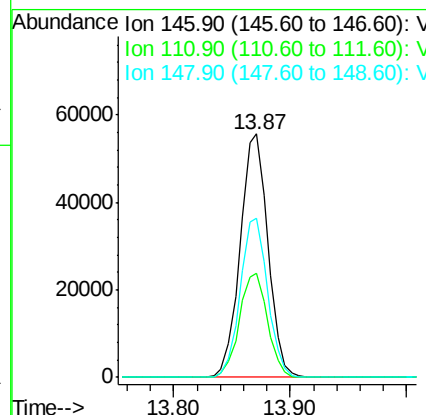
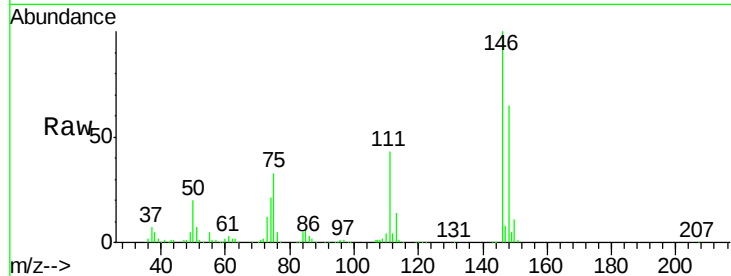
#91
 1,2-Dichlorobenzene
 Concen: 20.187 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.2	63.6
148	64.6	32.5	97.4

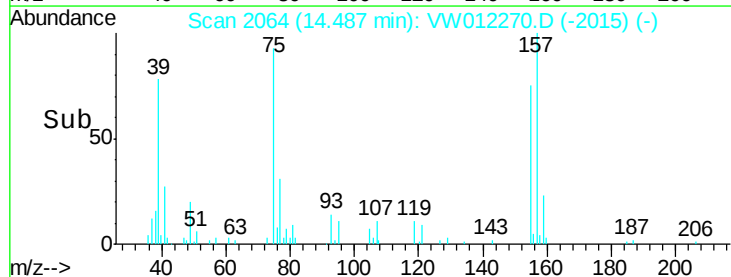
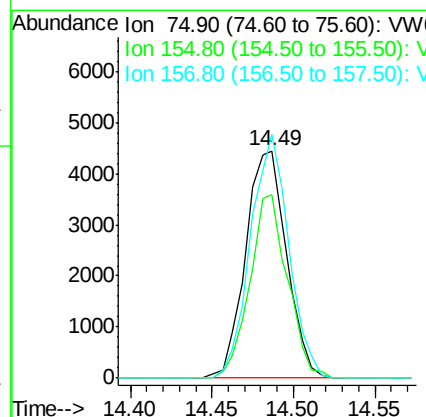
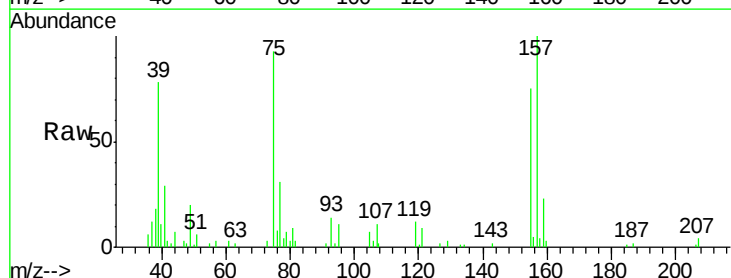
Manual Integrations
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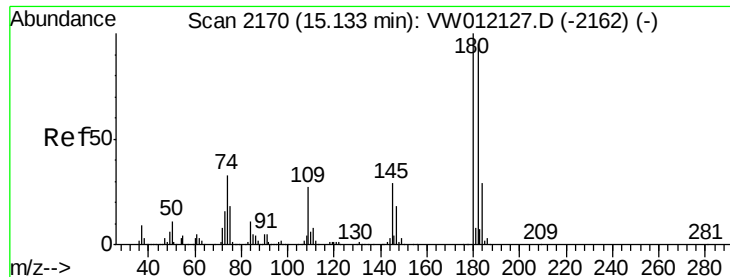
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 8/29/2019 9:41:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.404 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	37.5	112.3
157	100.1	50.5	151.5





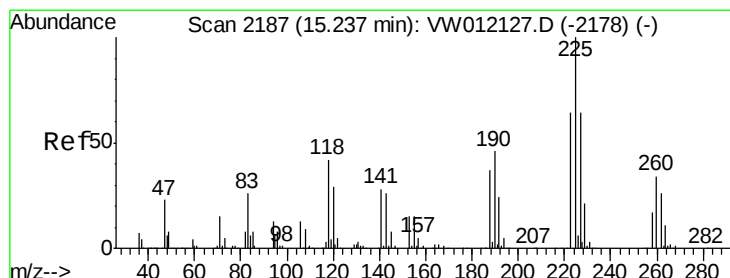
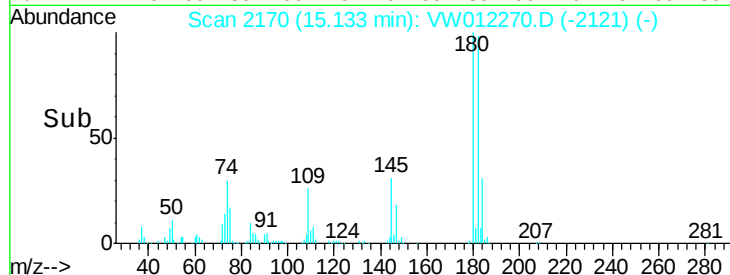
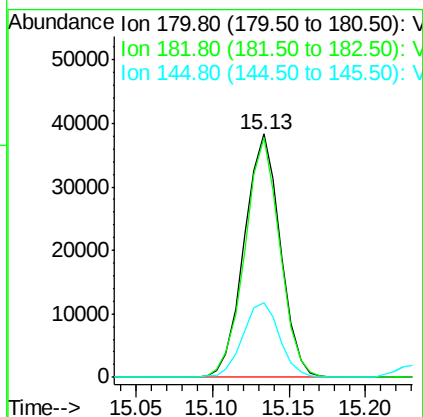
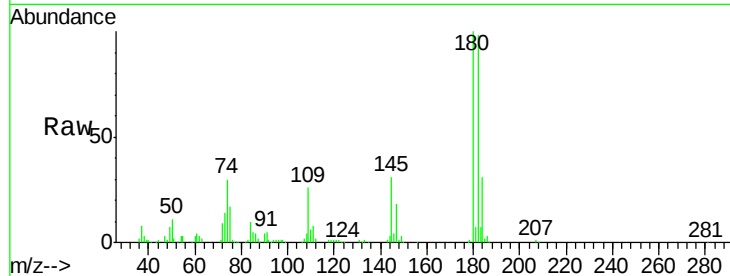
#93
 1,2,4-Trichlorobenzene
 Concen: 19.827 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62661		
182	95.8	47.8	143.4	
145	31.4	15.0	45.1	

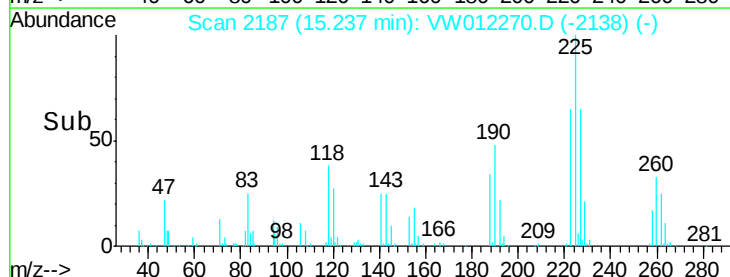
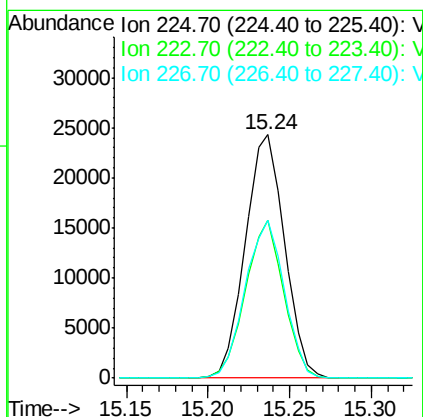
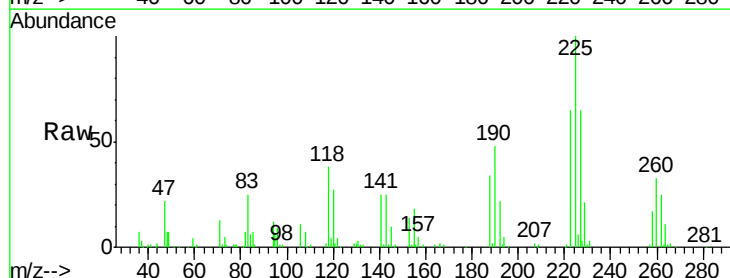
Manual Integrations
 APPROVED

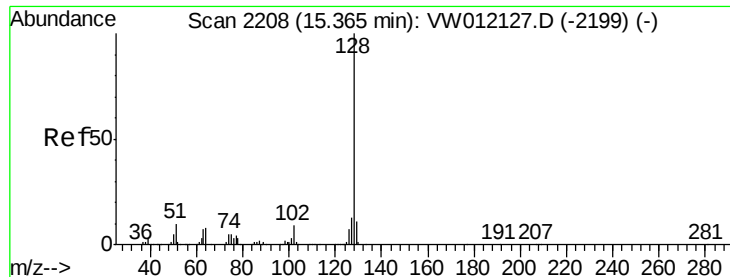
MMDadoda
 8/29/2019 9:41:34 AM



#94
 Hexachlorobutadiene
 Concen: 19.563 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	40824		
223	62.7	32.3	96.8	
227	64.6	32.9	98.6	





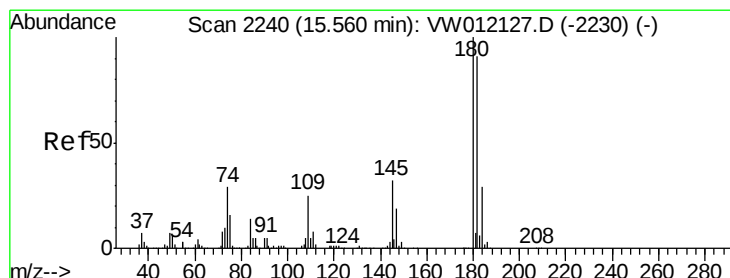
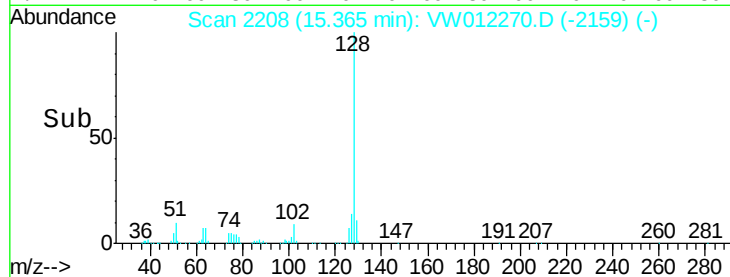
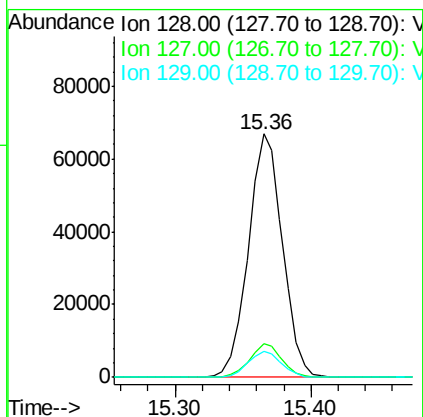
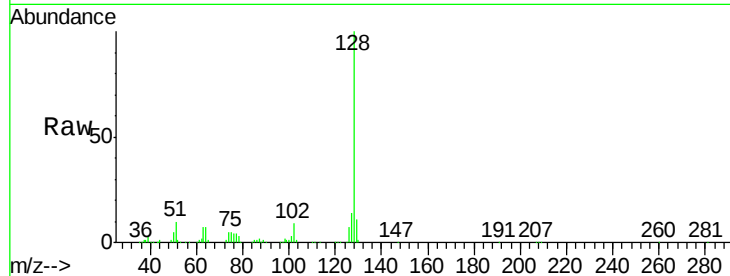
#95
Naphthalene
Concen: 21.551 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	116957		
127	13.3	10.7	16.1	
129	10.7	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
8/29/2019 9:41:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.981 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	55093		
182	97.6	47.1	141.3	
145	33.0	16.2	48.5	

