

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012162.D
 Acq On : 26 Aug 2019 10:47
 Operator : SY/VA
 Sample : VW0826SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 11:04:07 AM

Quant Time: Aug 26 16:35:23 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	248051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165604	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	143259	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.88	113	114451	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	10.32	98	474215	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.62	95	166811	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29137	19.077	ug/l	97
3) Chloromethane	2.21	50	45439	19.203	ug/l	98
4) Vinyl Chloride	2.36	62	56437	19.486	ug/l	100
5) Bromomethane	2.76	94	28086	19.148	ug/l	100
6) Chloroethane	2.92	64	31853	19.496	ug/l	96
7) Trichlorofluoromethane	3.26	101	30104	20.700	ug/l	94
8) Diethyl Ether	3.68	74	26078	18.892	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50481	20.421	ug/l	98
10) Methyl Iodide	4.27	142	64576	19.307	ug/l	99
11) Tert butyl alcohol	5.17	59	18122	102.123	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	49125	19.744	ug/l	96
13) Acrolein	3.89	56	17569	105.179	ug/l	97
14) Allyl chloride	4.67	41	103955	19.544	ug/l	100
15) Acrylonitrile	5.37	53	69678	101.837	ug/l	99
16) Acetone	4.12	43	69600	92.338	ug/l	99
17) Carbon Disulfide	4.38	76	136344	18.132	ug/l	100
18) Methyl Acetate	4.67	43	39170	20.981	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	81062	20.147	ug/l	97
20) Methylene Chloride	4.92	84	53727	18.855	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	52380	19.632	ug/l	93
22) Diisopropyl ether	6.31	45	203874	20.678	ug/l	98
23) Vinyl Acetate	6.25	43	604826	99.680	ug/l	100
24) 1,1-Dichloroethane	6.21	63	108461	20.204	ug/l	98
25) 2-Butanone	7.17	43	100580	98.197	ug/l	99
26) 2,2-Dichloropropane	7.17	77	64058	21.082	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	57051	20.014	ug/l	98
28) Bromochloromethane	7.51	49	48751	20.836	ug/l #	100
29) Tetrahydrofuran	7.53	42	63662	103.597	ug/l	99
30) Chloroform	7.68	83	100960	20.556	ug/l	99
31) Cyclohexane	7.95	56	100087	18.844	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	80521	20.724	ug/l	99
36) 1,1-Dichloropropene	8.08	75	82878	20.290	ug/l	100
37) Ethyl Acetate	7.25	43	46187	20.634	ug/l	99
38) Carbon Tetrachloride	8.07	117	72879	20.614	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89504	19.505	ug/l	98
40) Benzene	8.32	78	225231	20.194	ug/l	99
41) Methacrylonitrile	7.49	41	28973	22.023	ug/l	96
42) 1,2-Dichloroethane	8.40	62	71512	20.458	ug/l	100
43) Isopropyl Acetate	8.43	43	83692	20.186	ug/l	100
44) Trichloroethene	9.09	130	54887	20.243	ug/l	96
45) 1,2-Dichloropropane	9.37	63	62061	20.675	ug/l	99
46) Dibromomethane	9.46	93	27233	20.391	ug/l	98
47) Bromodichloromethane	9.65	83	72902	20.510	ug/l	99
48) Methyl methacrylate	9.43	41	38740	19.632	ug/l	94
49) 1,4-Dioxane	9.45	88	8884	434.511	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	217268	103.027	ug/l	99
52) Toluene	10.39	92	137730	20.555	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73664	20.345	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	87135	19.931	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38778	20.521	ug/l	95
56) Ethyl methacrylate	10.65	69	55099	20.034	ug/l	98
57) 1,3-Dichloropropane	10.93	76	74088	20.747	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	136100	96.424	ug/l	99
59) 2-Hexanone	10.97	43	150394	100.791	ug/l	99
60) Dibromochloromethane	11.13	129	42871	20.369	ug/l	100
61) 1,2-Dibromoethane	11.24	107	35901	20.393	ug/l	99
64) Tetrachloroethene	10.86	164	45008	20.481	ug/l	98
65) Chlorobenzene	11.66	112	138245	20.713	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	48520	20.838	ug/l	99
67) Ethyl Benzene	11.73	91	263977	20.532	ug/l	99
68) m/p-Xylenes	11.84	106	192135	41.487	ug/l	97
69) o-Xylene	12.16	106	87791	20.482	ug/l	98
70) Styrene	12.18	104	154728	20.855	ug/l	100
71) Bromoform	12.35	173	24260	20.912	ug/l #	99
73) Isopropylbenzene	12.46	105	251136	20.238	ug/l	100
74) N-amyl acetate	12.27	43	75712	20.195	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	47302	20.793	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	38472m	23.853	ug/l	
77) Bromobenzene	12.74	156	54325	20.236	ug/l	99
78) n-propylbenzene	12.80	91	306893	20.259	ug/l	99
79) 2-Chlorotoluene	12.89	91	173597	20.184	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	212296	20.474	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14812	20.136	ug/l	98
82) 4-Chlorotoluene	12.99	91	184299	20.465	ug/l	100
83) tert-Butylbenzene	13.21	119	180778	20.582	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	214406	20.585	ug/l	99
85) sec-Butylbenzene	13.38	105	258425	20.537	ug/l	100
86) p-Isopropyltoluene	13.50	119	230804	20.538	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	108657	20.693	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106803	20.485	ug/l	98
89) n-Butylbenzene	13.82	91	231037	20.674	ug/l	99
90) Hexachloroethane	14.09	117	40900	20.744	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	96079	20.858	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7810	20.364	ug/l	96

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MSVOA_W
ClientSampleId :
VW0826SBSD01

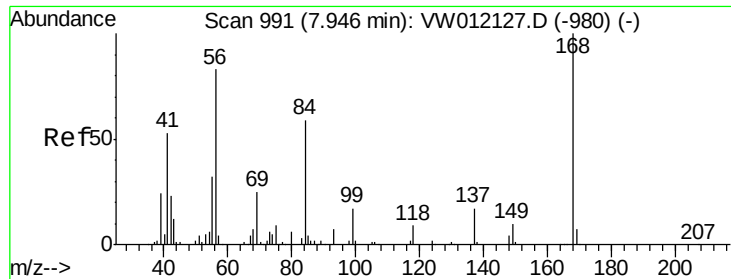
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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	65366	20.534	ug/l	99
94) Hexachlorobutadiene	15.24	225	44252	21.053	ug/l	97
95) Naphthalene	15.36	128	113867	20.975	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	58413	21.032	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD01

Tot Ion:168 Resp: 248051

Ion Ratio Lower Upper

168 100

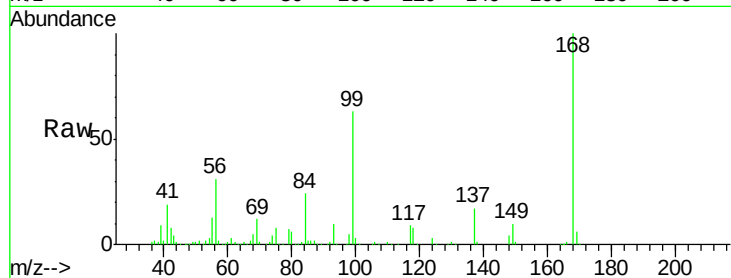
99 62.4 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

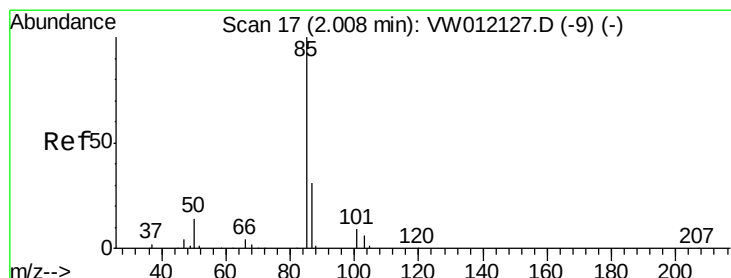
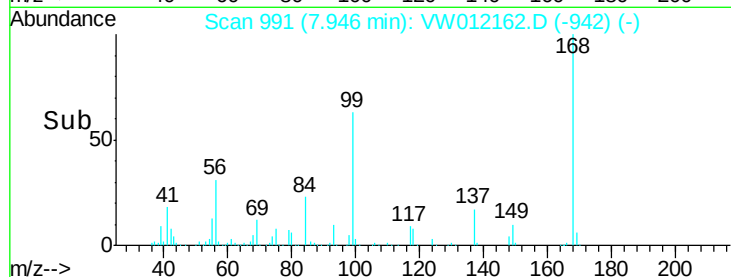
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.077 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012162.D

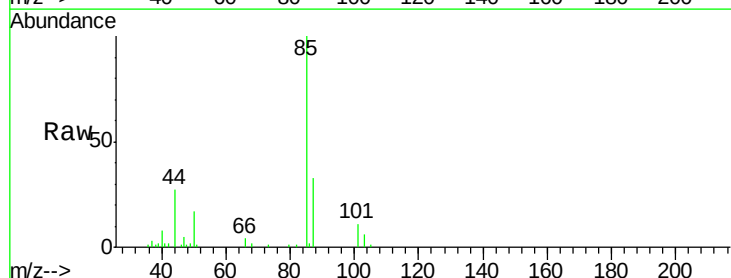
Acq: 26 Aug 2019 10:47

Tgt Ion: 85 Resp: 29137

Ion Ratio Lower Upper

85 100

87 33.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

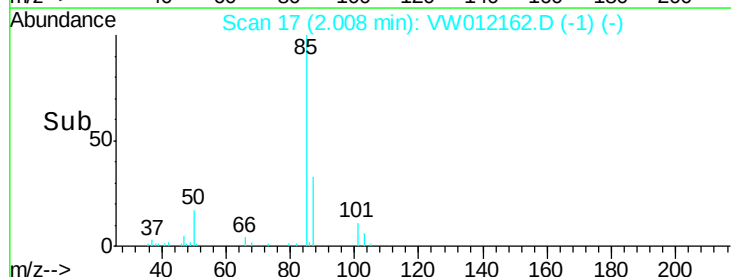
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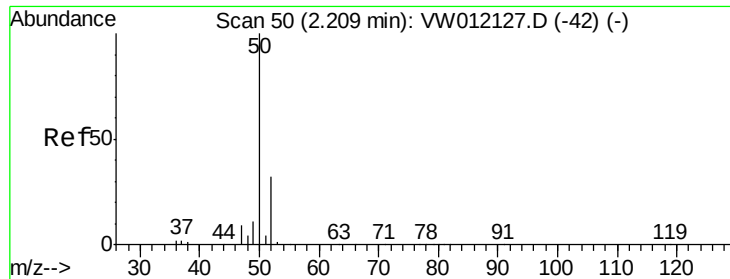
4000

2000

0

Time-->





#3

Chloromethane

Concen: 19.203 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

Tot Ion: 50 Resp: 45439

Ion Ratio Lower Upper

50 100

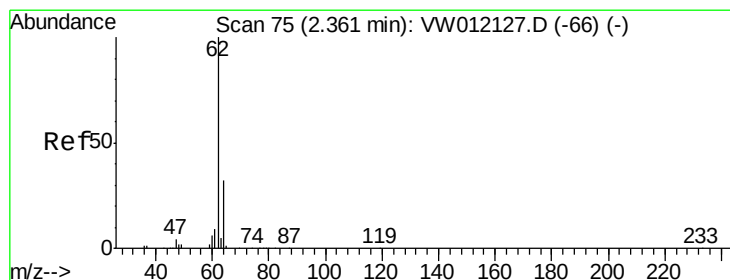
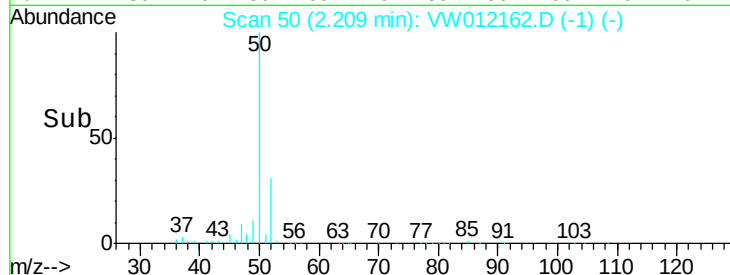
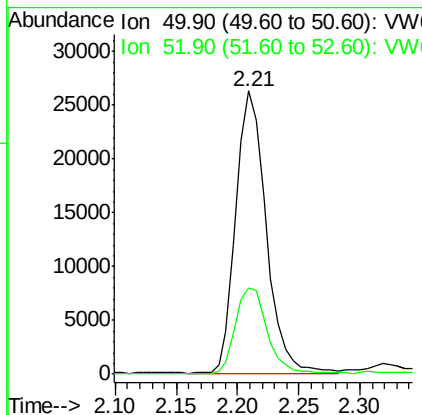
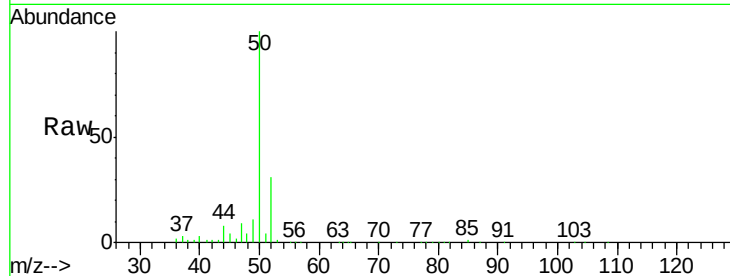
52 30.7 25.5 38.3

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#4

Vinyl Chloride

Concen: 19.486 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012162.D

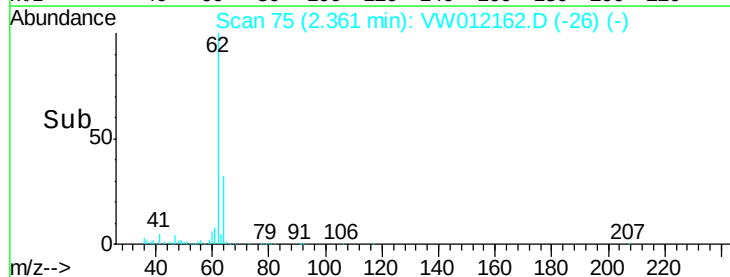
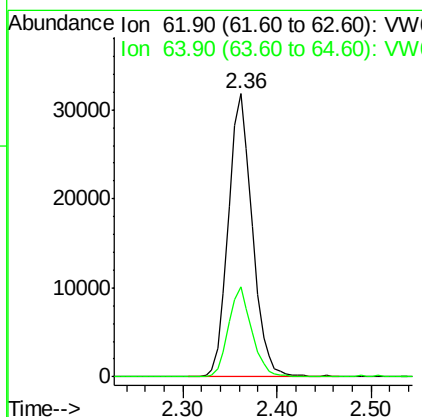
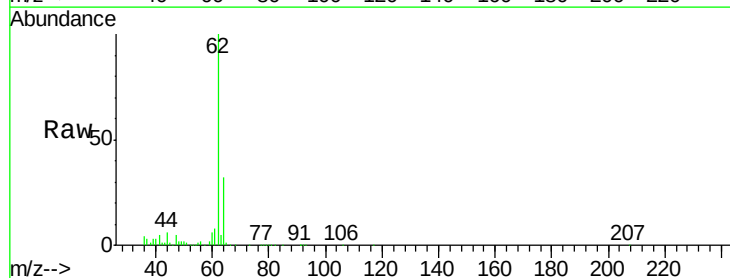
Acq: 26 Aug 2019 10:47

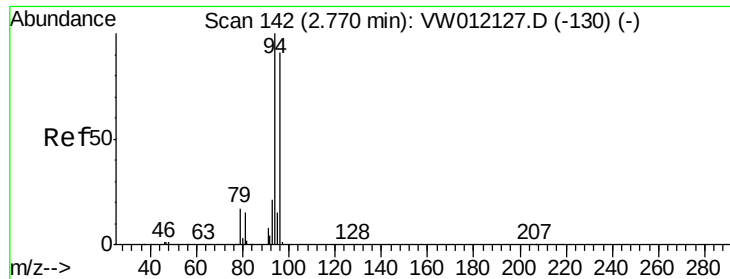
Tgt Ion: 62 Resp: 56437

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 19.148 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

Tot Ion: 94 Resp: 28086

Ion Ratio Lower Upper

94 100

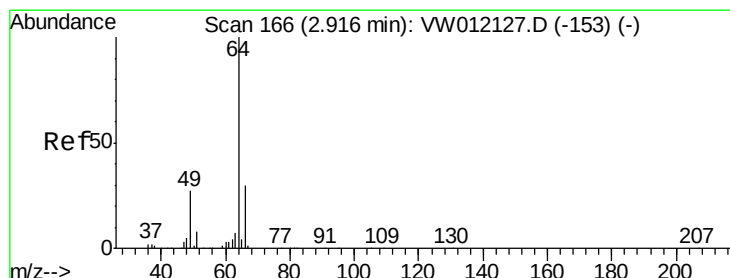
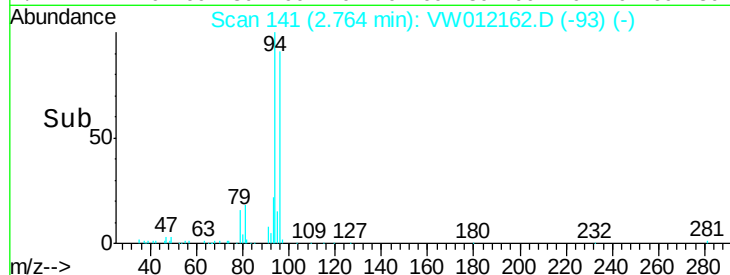
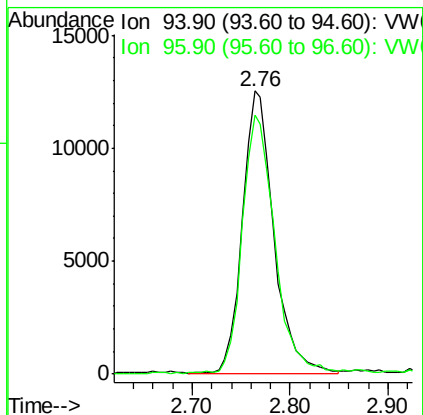
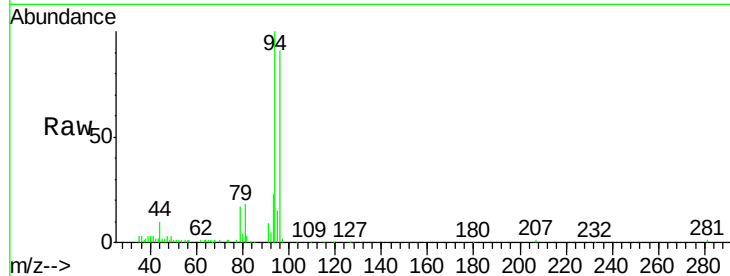
96 90.8 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 19.496 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW012162.D

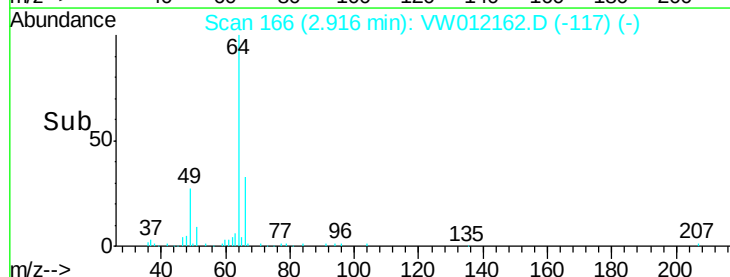
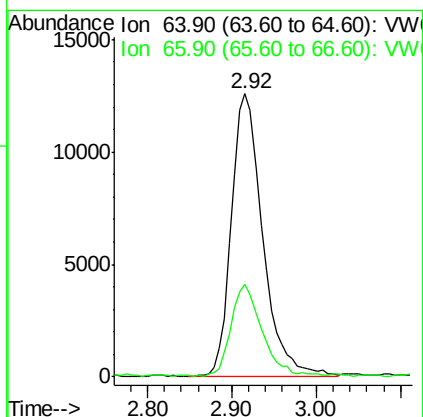
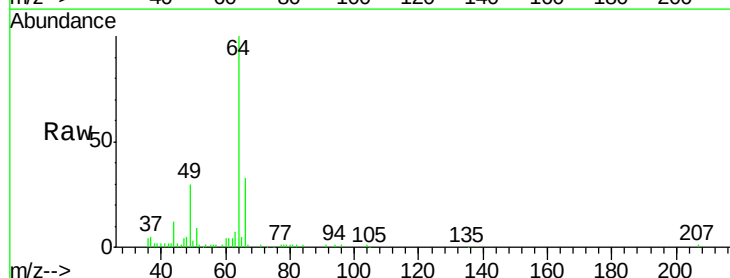
Acq: 26 Aug 2019 10:47

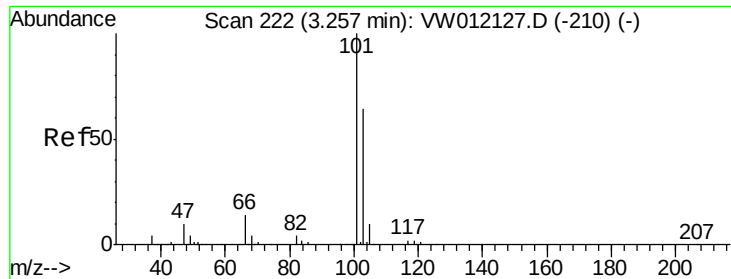
Tgt Ion: 64 Resp: 31853

Ion Ratio Lower Upper

64 100

66 32.2 23.8 35.8





#7

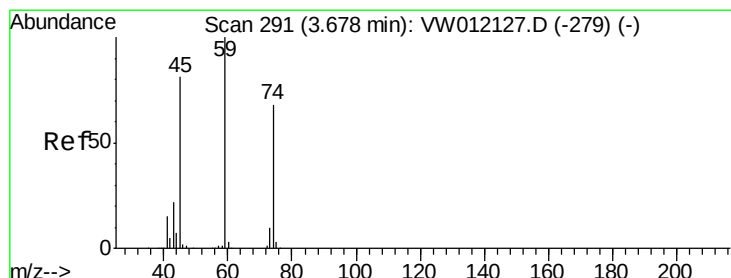
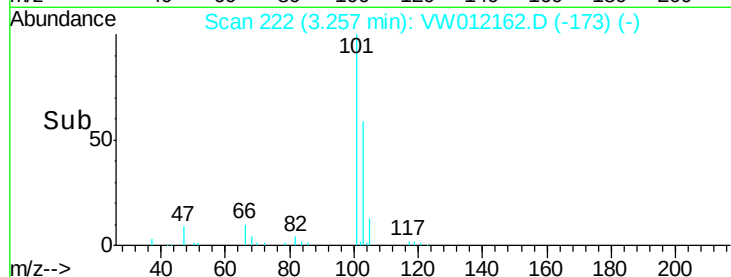
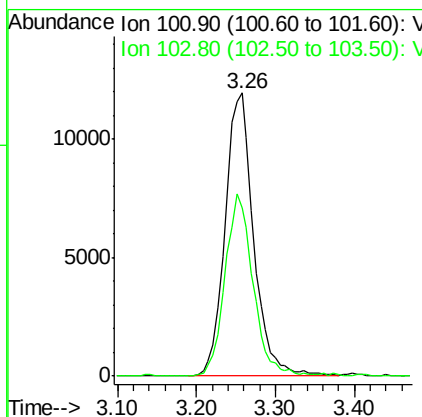
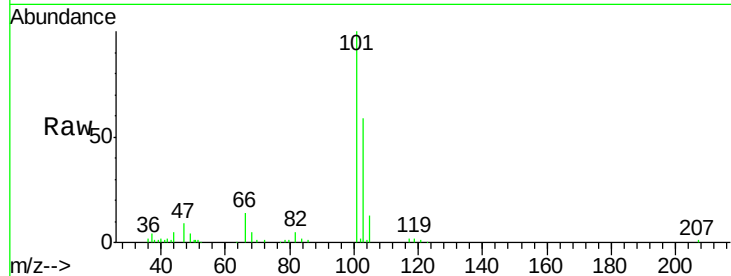
Trichlorofluoromethane
 Concen: 20.700 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
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 ClientSampleId :
 VW0826SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	30104		
103	59.2	51.2	76.8	

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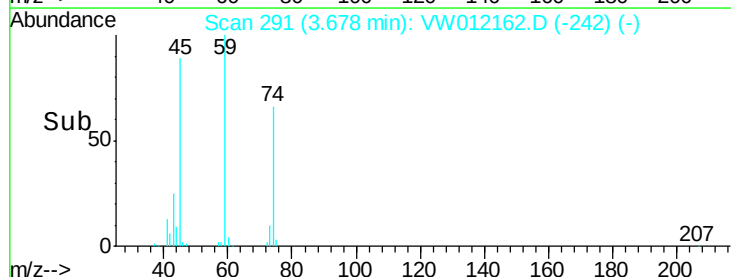
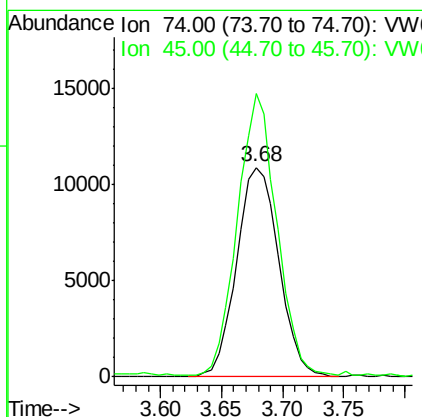
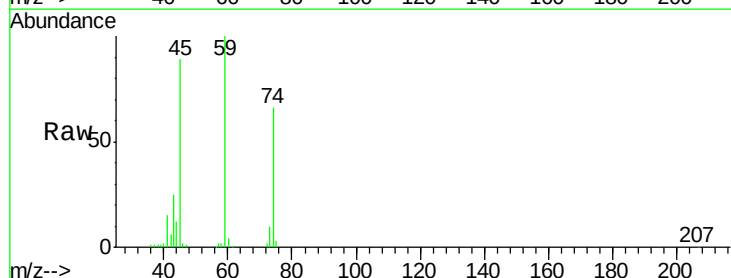
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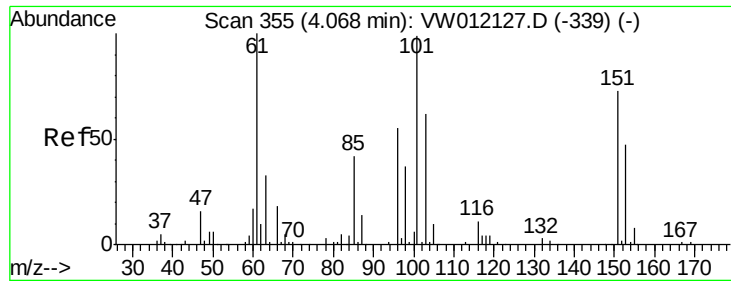


#8

Diethyl Ether
 Concen: 18.892 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	26078		
45	124.6	59.2	177.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.421 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

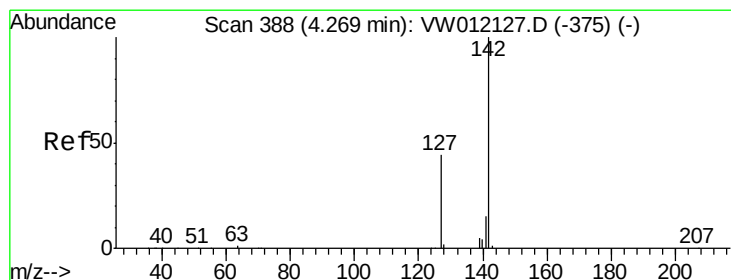
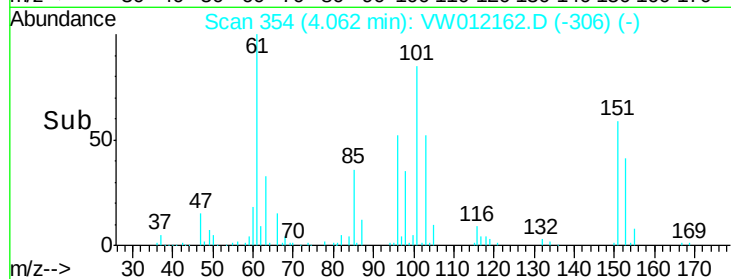
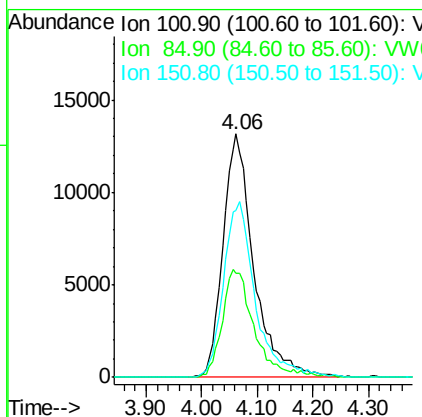
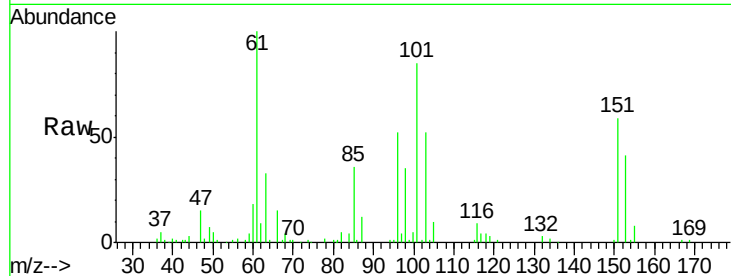
ClientSampled :

VW0826SBS01

Tot Ion:	101	Resp:	50481
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.8	53.6
151	74.8	58.6	87.8

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#10

Methyl Iodide

Concen: 19.307 ug/l

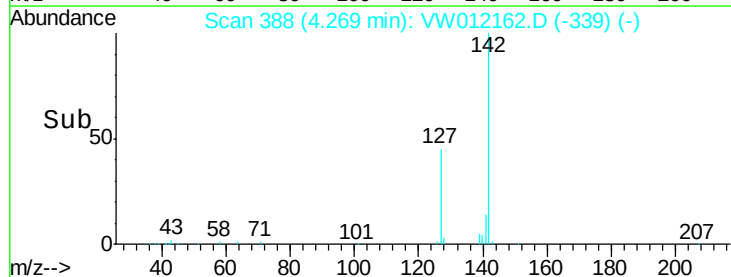
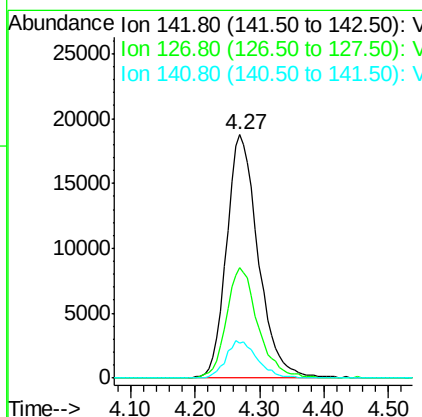
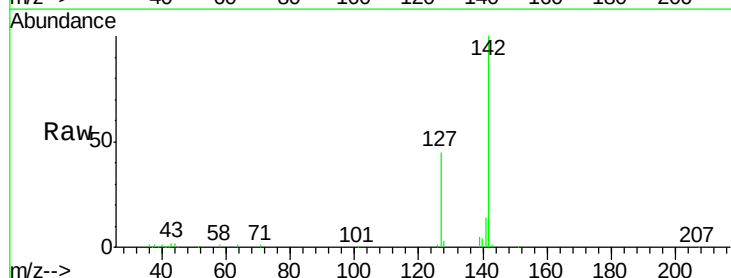
RT: 4.27 min Scan# 388

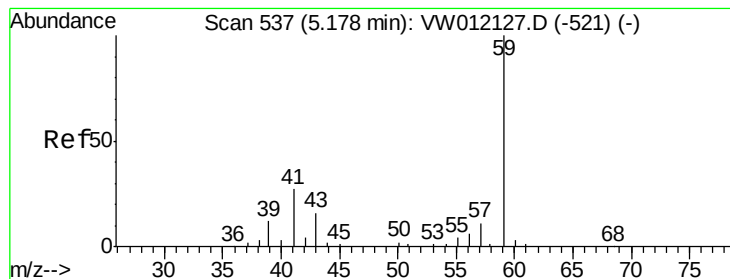
Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Tgt Ion:	142	Resp:	64576
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.5	53.3
141	15.2	11.8	17.8





#11

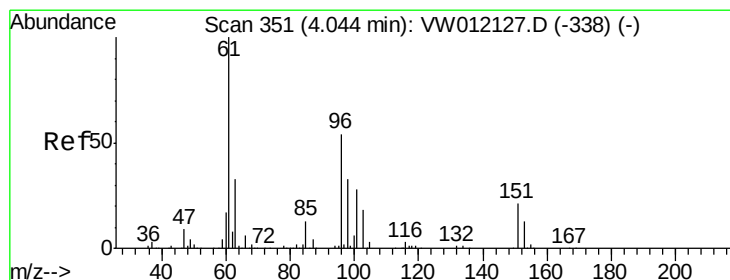
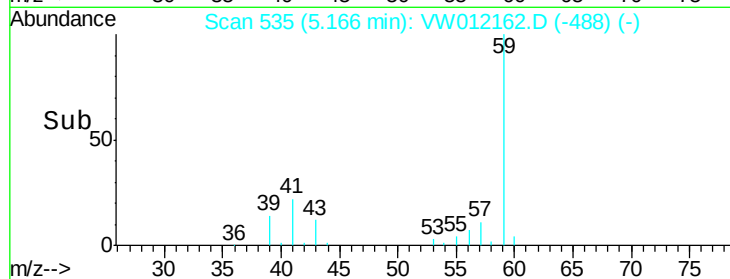
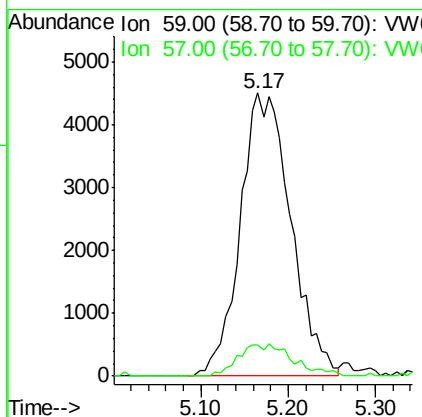
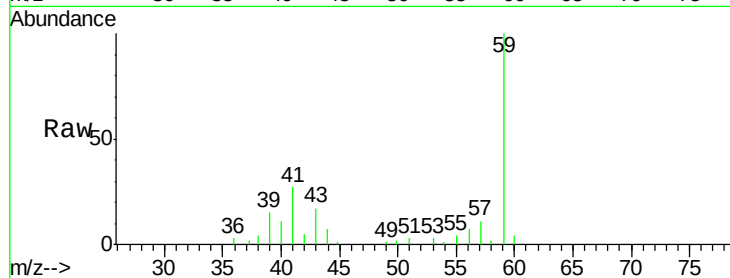
Tert butyl alcohol
Concen: 102.123 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		18122		
57	5.9		9.0	13.4	

Manual Integrations
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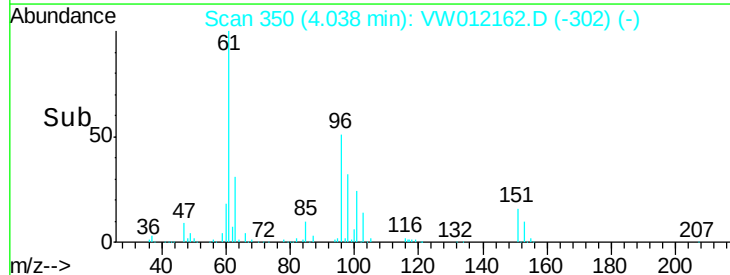
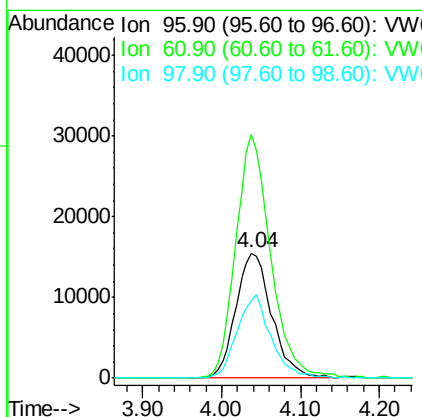
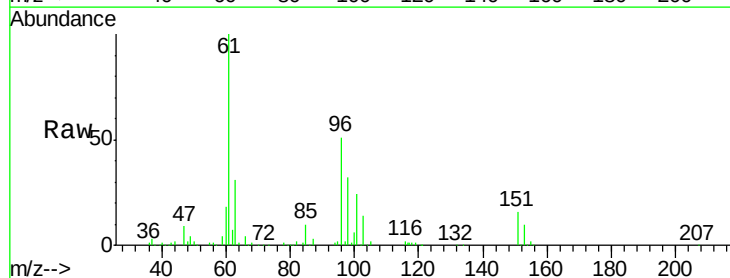
MMDadoda
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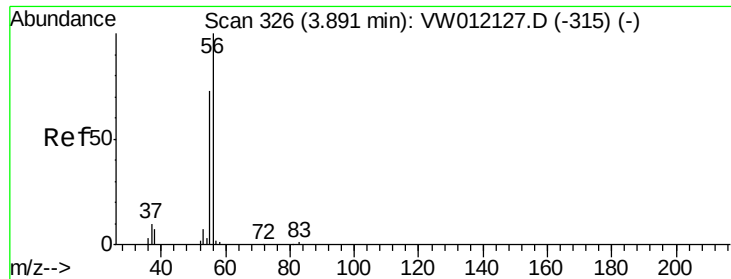


#12

1,1-Dichloroethene
Concen: 19.744 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		49125		
61	194.6		149.1	223.7	
98	61.8		49.4	74.2	





#13

Acrolein

Concen: 105.179 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

Tot Ion: 56 Resp: 17569

Ion Ratio Lower Upper

56 100

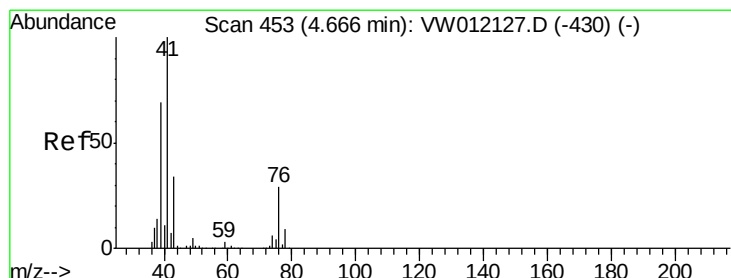
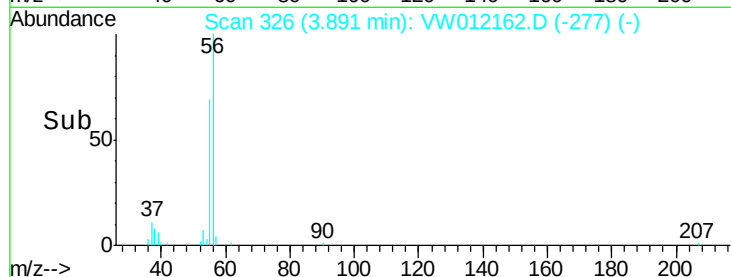
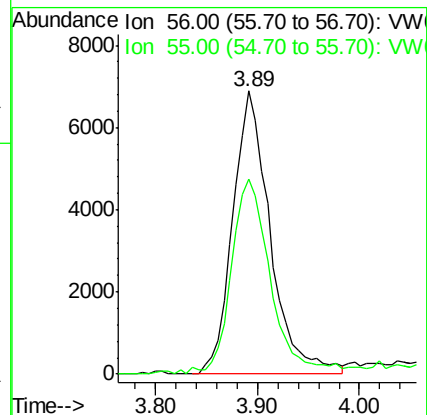
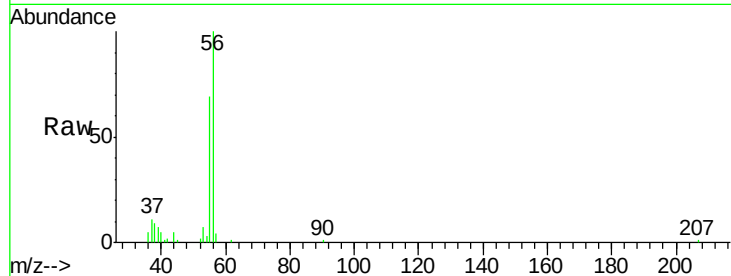
55 72.5 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.544 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

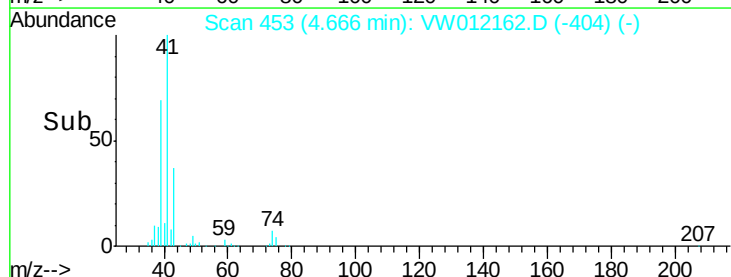
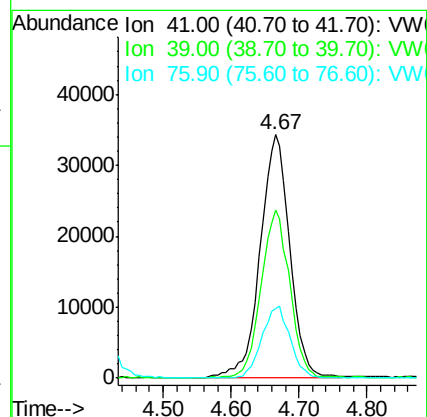
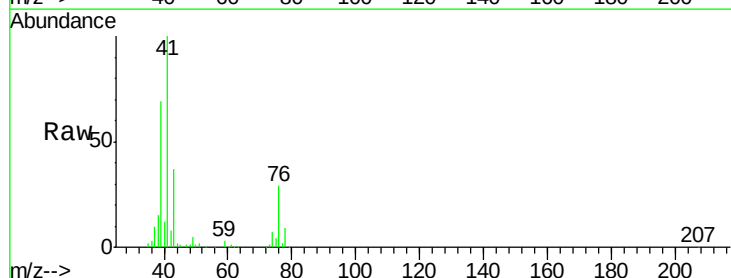
Tgt Ion: 41 Resp: 103955

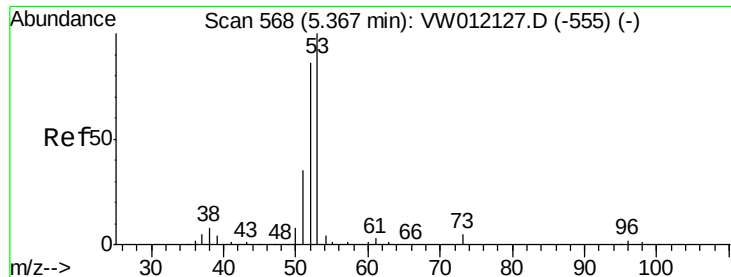
Ion Ratio Lower Upper

41 100

39 66.9 53.4 80.2

76 28.4 22.1 33.1





#15

Acrylonitrile

Concen: 101.837 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

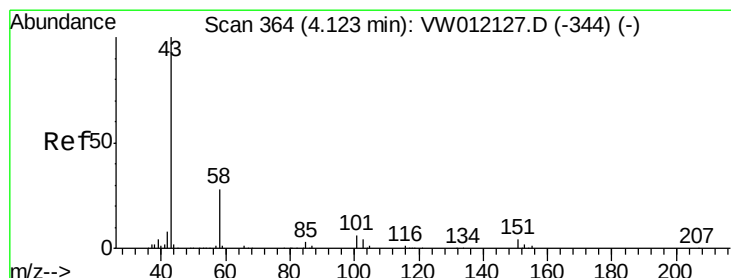
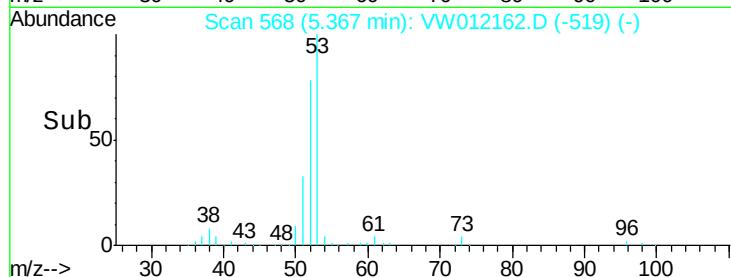
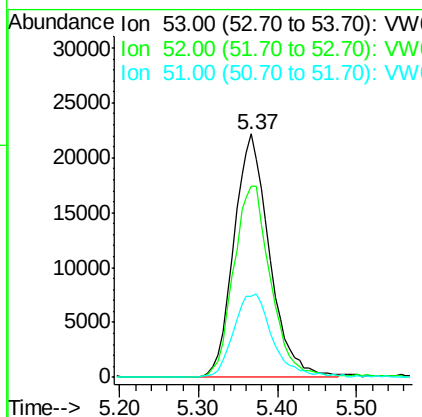
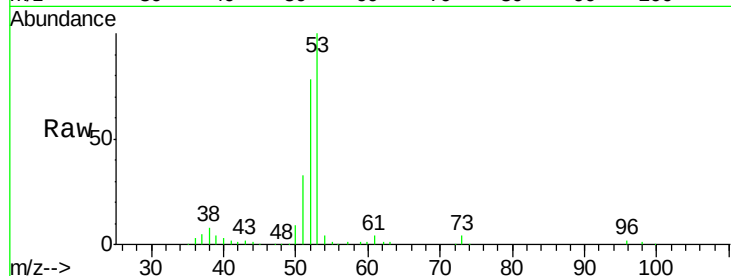
ClientSampleId :

VW0826SBS01

Tot Ion:	53	Resp:	69678
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.7	100.1
51	37.7	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 92.338 ug/l

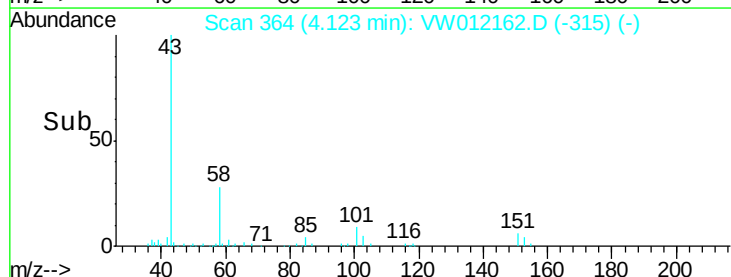
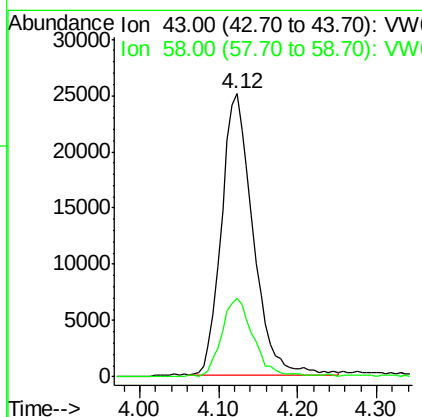
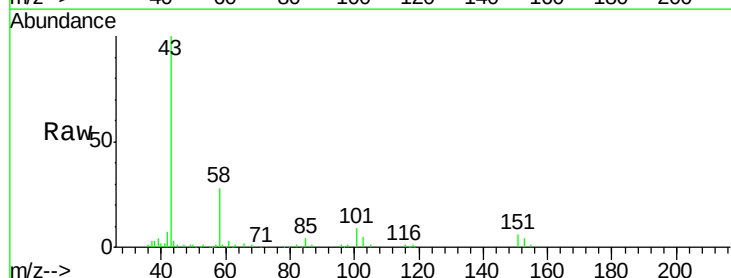
RT: 4.12 min Scan# 364

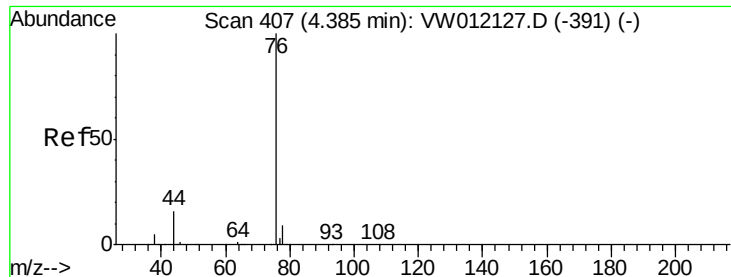
Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Tgt Ion:	43	Resp:	69600
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.4	33.6





#17

Carbon Disulfide

Concen: 18.132 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD01

Tot Ion: 76 Resp: 136344

Ion Ratio Lower Upper

76 100

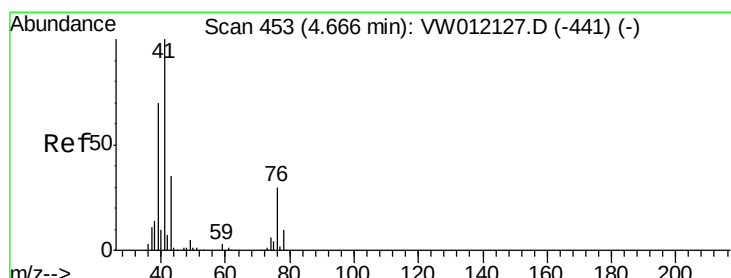
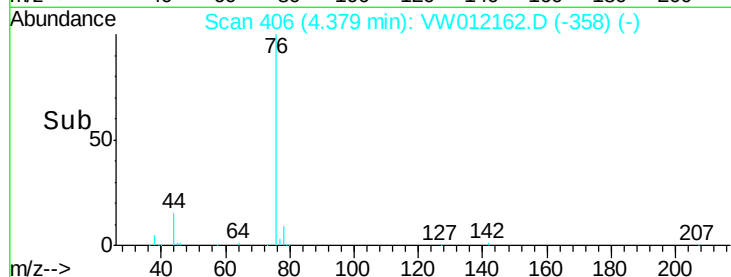
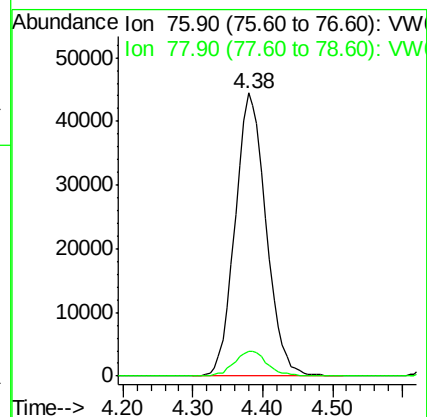
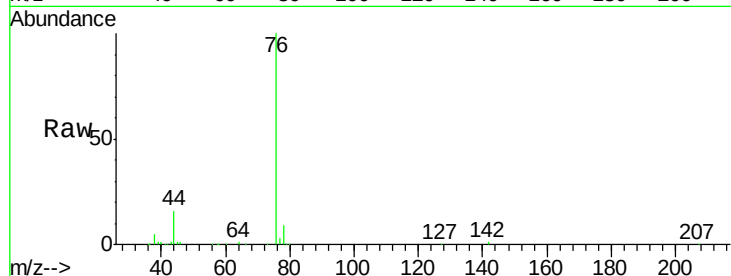
78 9.0 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 20.981 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012162.D

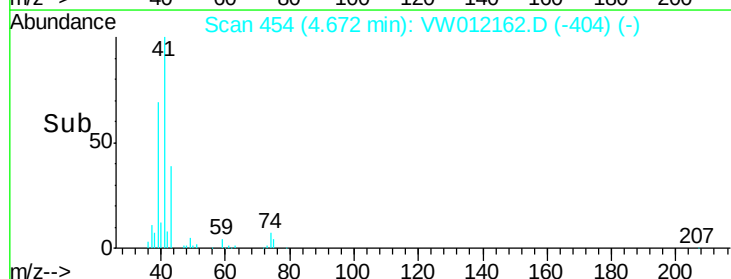
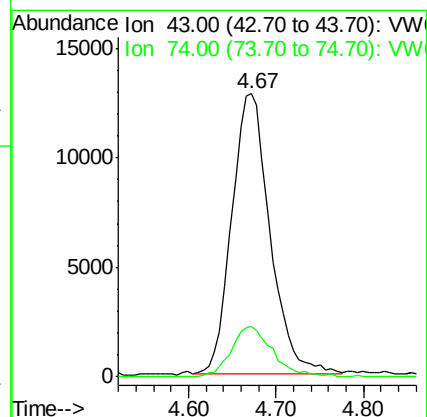
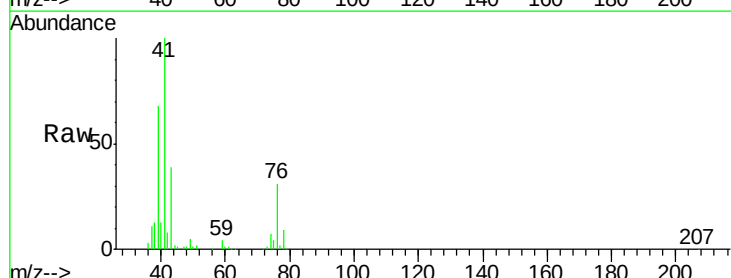
Acq: 26 Aug 2019 10:47

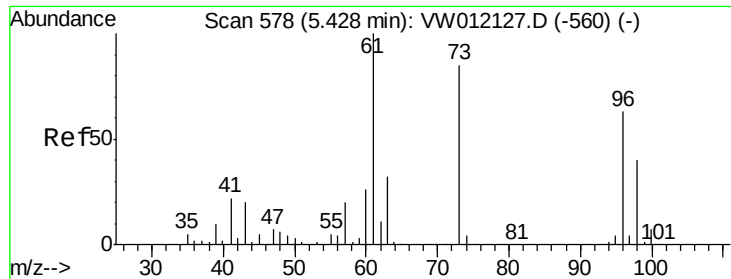
Tgt Ion: 43 Resp: 39170

Ion Ratio Lower Upper

43 100

74 19.4 15.7 23.5





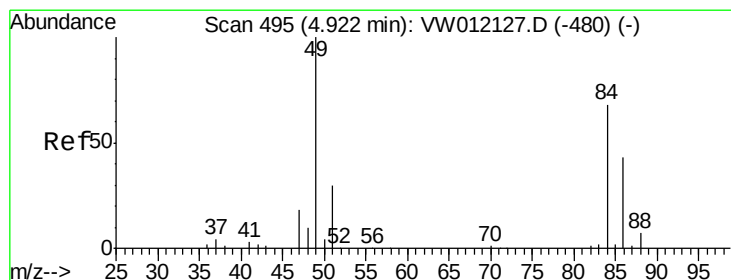
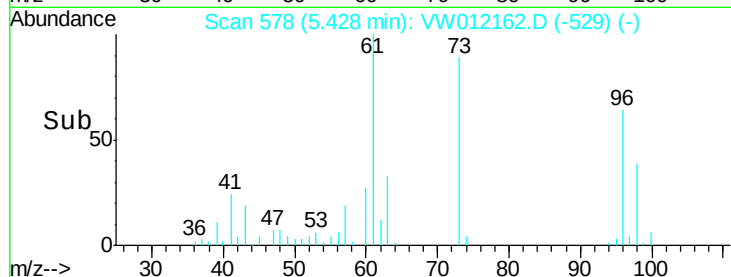
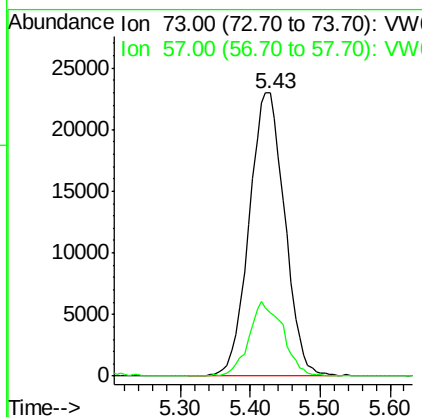
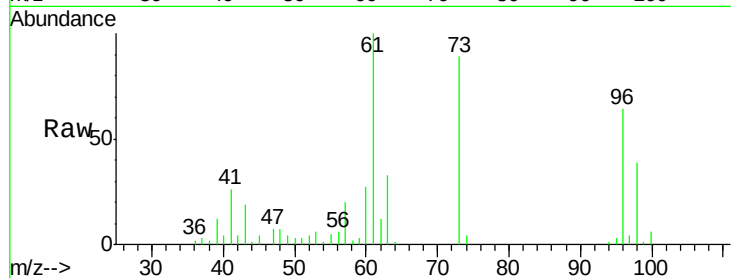
#19
Methyl tert-butyl Ether
Concen: 20.147 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

Tot Ion: 73 Resp: 81062
Ion Ratio Lower Upper
73 100
57 22.3 18.9 28.3

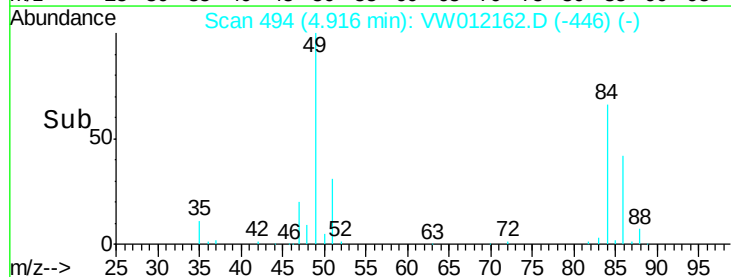
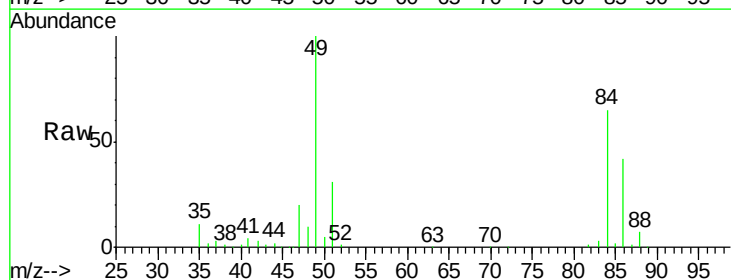
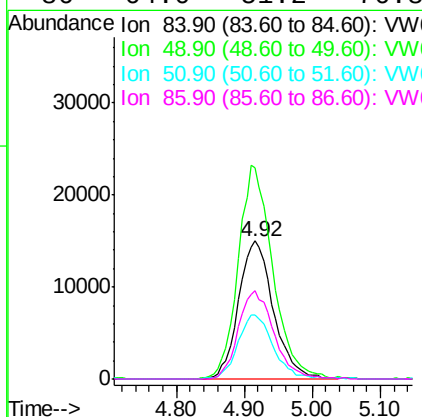
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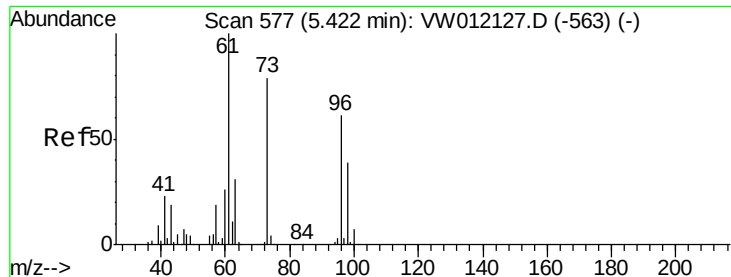
MMDadoda
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#20
Methylene Chloride
Concen: 18.855 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion: 84 Resp: 53727
Ion Ratio Lower Upper
84 100
49 152.8 117.8 176.8
51 46.9 35.6 53.4
86 64.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.632 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

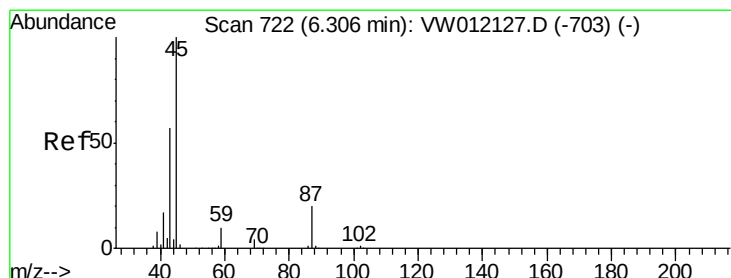
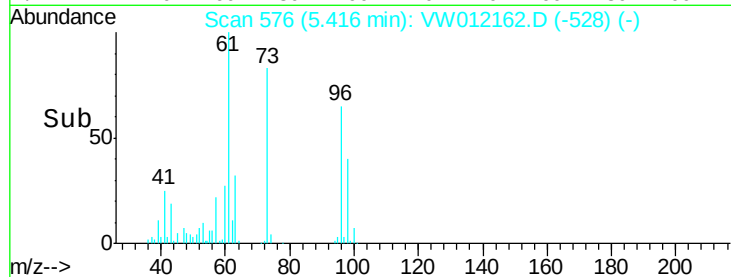
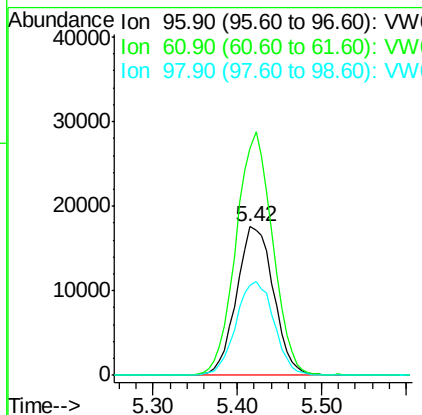
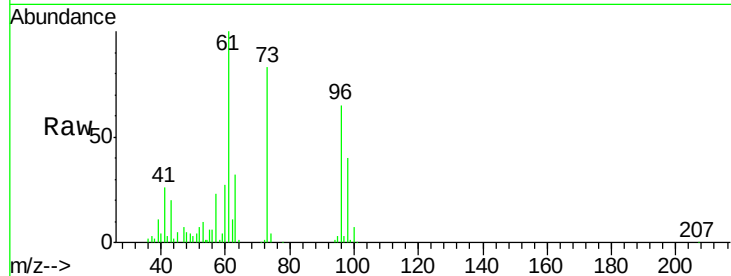
ClientSampleId :

VW0826SBSD01

Tot Ion:	96	Resp:	52380
Ion	Ratio	Lower	Upper
96	100		
61	152.7	131.4	197.0
98	60.6	51.4	77.0

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#22

Diisopropyl ether

Concen: 20.678 ug/l

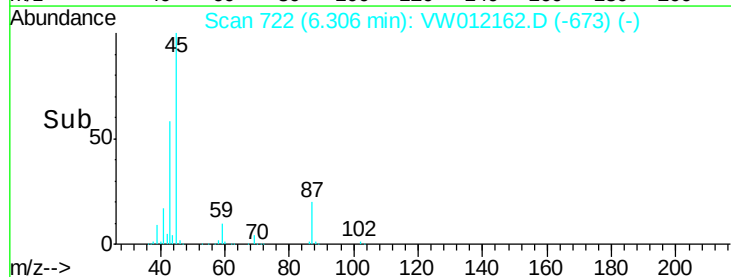
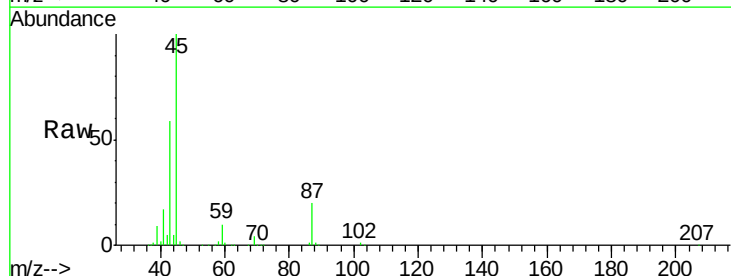
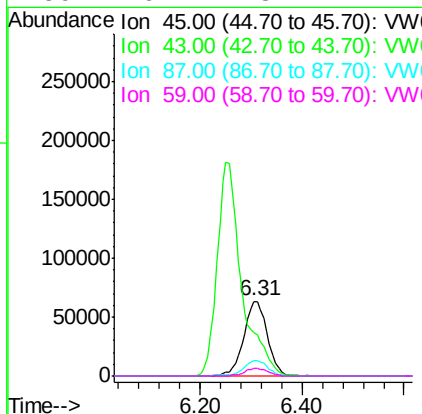
RT: 6.31 min Scan# 722

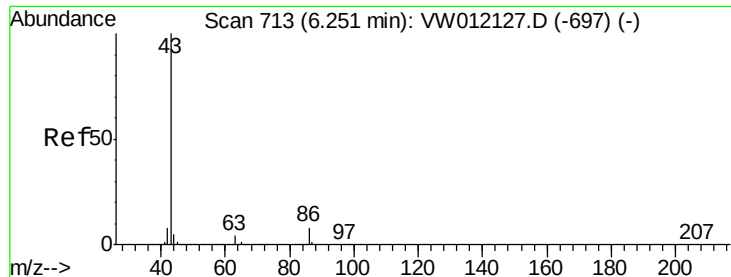
Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Tgt Ion:	45	Resp:	203874
Ion	Ratio	Lower	Upper
45	100		
43	58.4	45.5	68.3
87	20.4	16.1	24.1
59	10.4	8.2	12.2





#23

Vinyl Acetate

Concen: 99.680 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

Tot Ion: 43 Resp: 604826

Ion Ratio Lower Upper

43 100

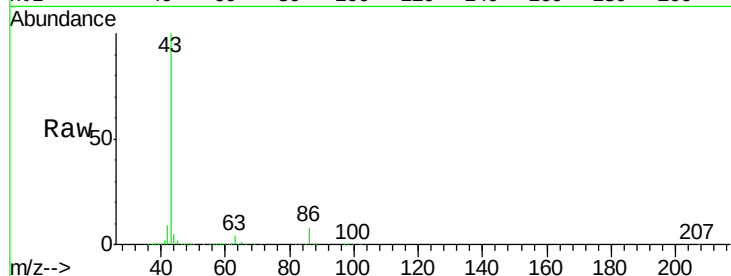
86 8.0 6.5 9.7

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

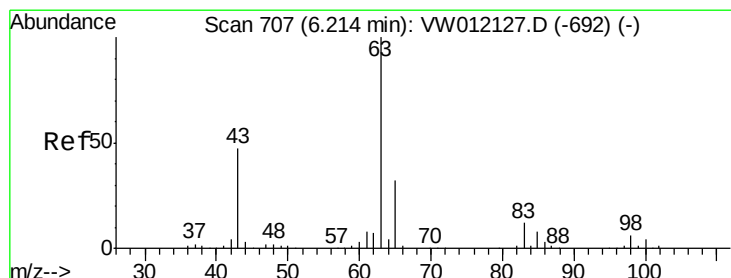
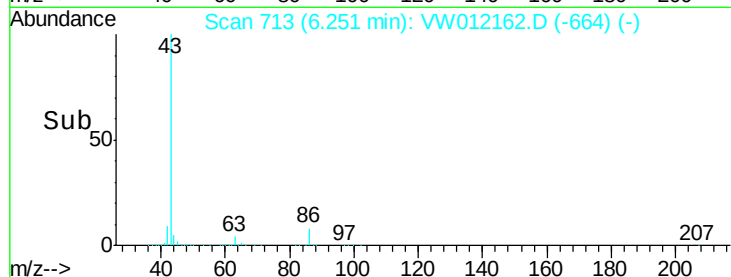
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.204 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

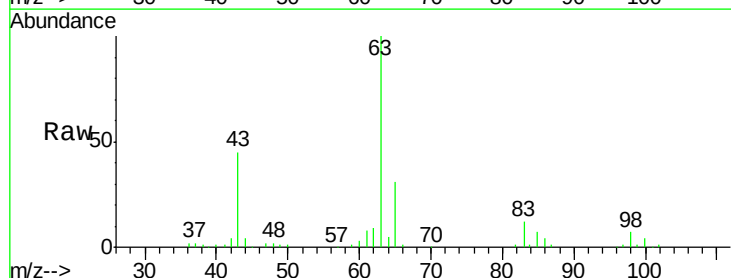
Tgt Ion: 63 Resp: 108461

Ion Ratio Lower Upper

63 100

98 7.2 3.0 9.2

100 3.7 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

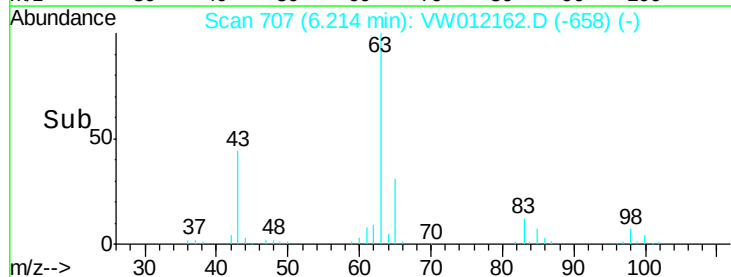
30000

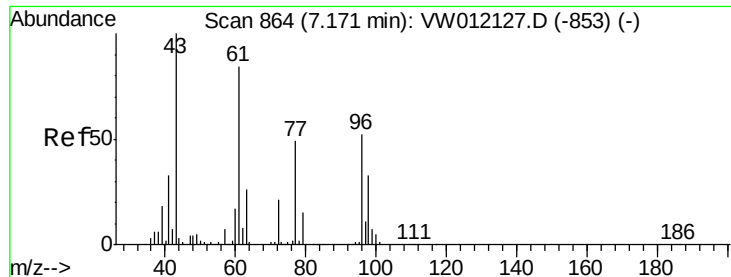
20000

10000

0

Time-->





#25

2-Butanone

Concen: 98.197 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

Tot Ion: 43 Resp: 100580

Ion Ratio Lower Upper

43 100

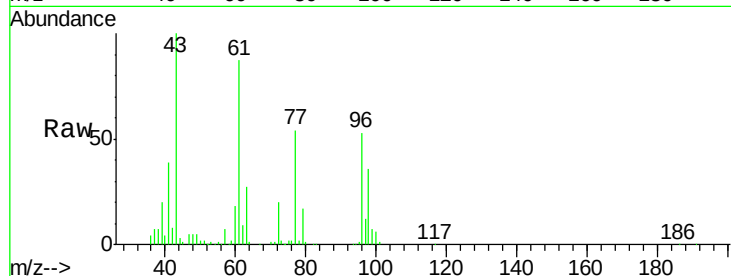
72 20.1 16.6 24.8

Manual Integrations

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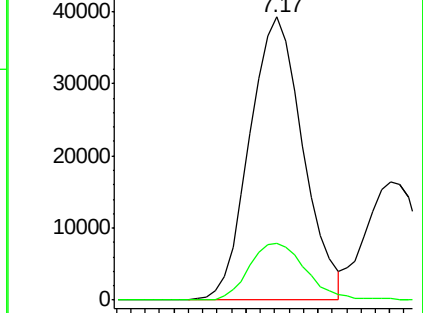
MMDadoda

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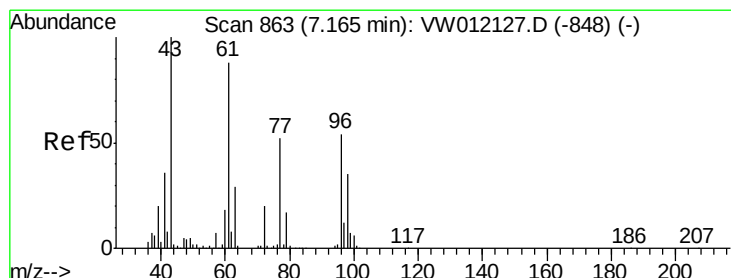
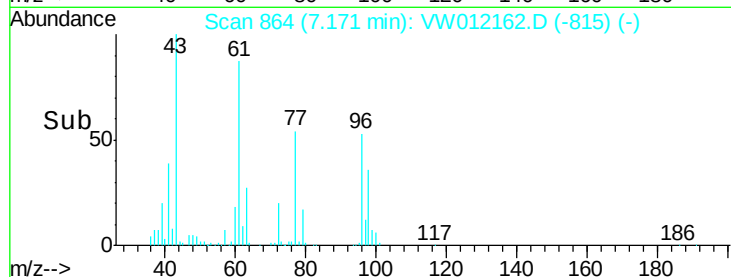


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: 21.082 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012162.D

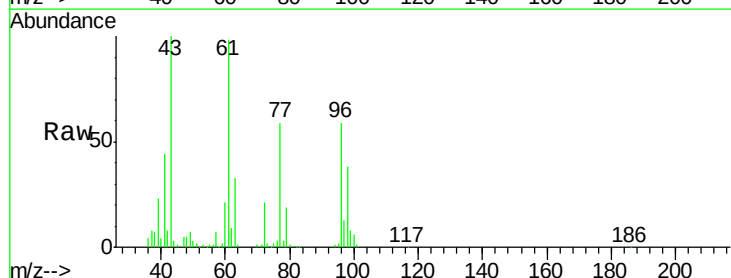
Acq: 26 Aug 2019 10:47

Tgt Ion: 77 Resp: 64058

Ion Ratio Lower Upper

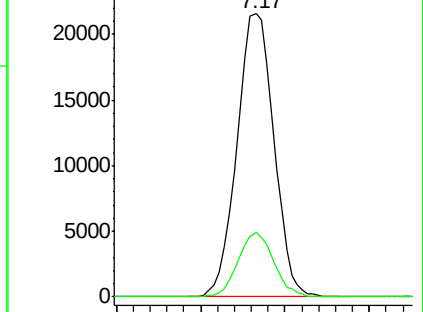
77 100

97 21.9 11.1 33.1

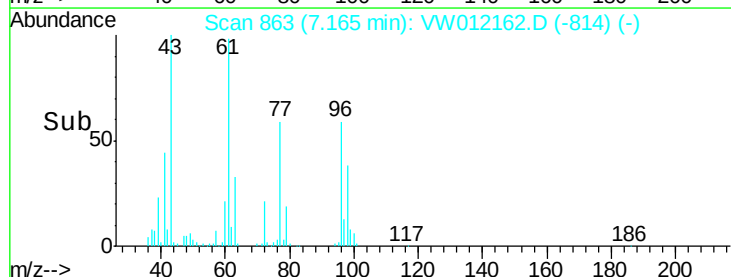


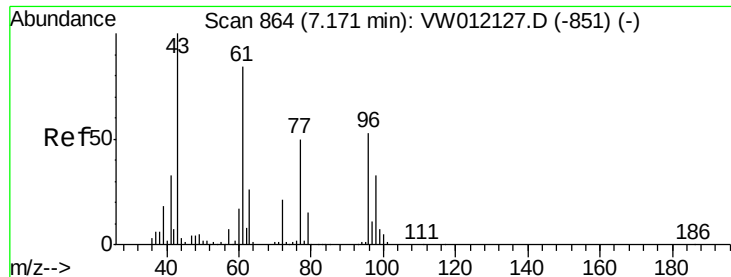
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->





#27

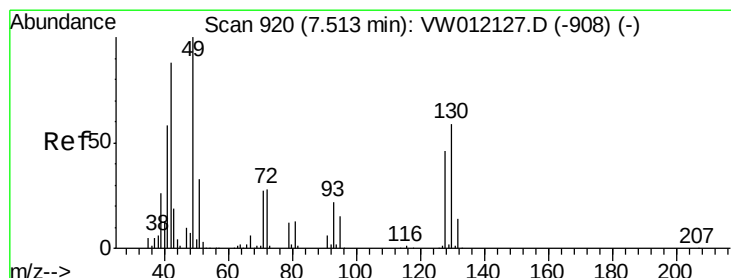
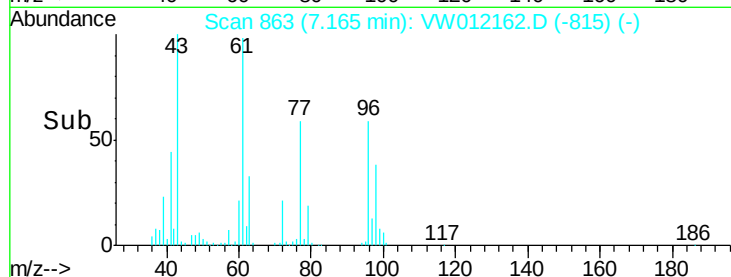
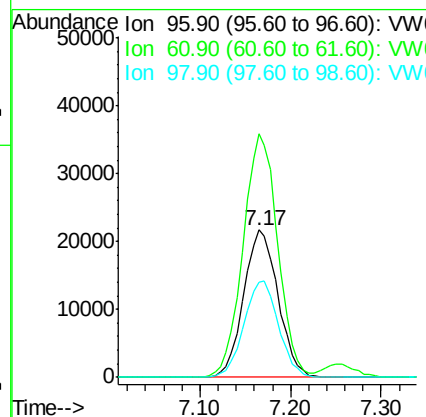
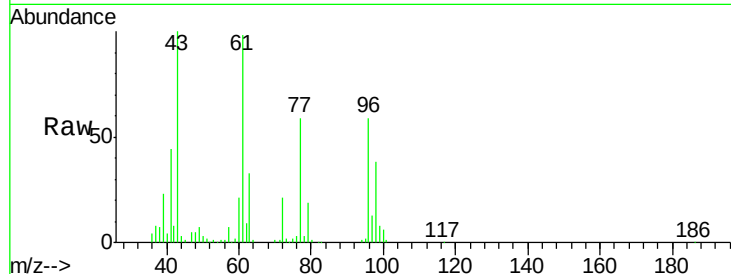
cis-1,2-Dichloroethene
Concen: 20.014 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		57051		
61	165.9	0.0	326.6		
98	65.4	0.0	127.4		

Manual Integrations
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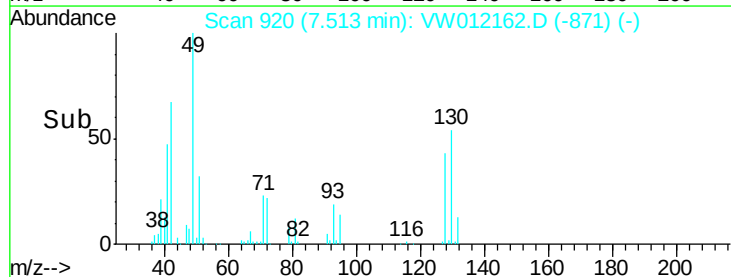
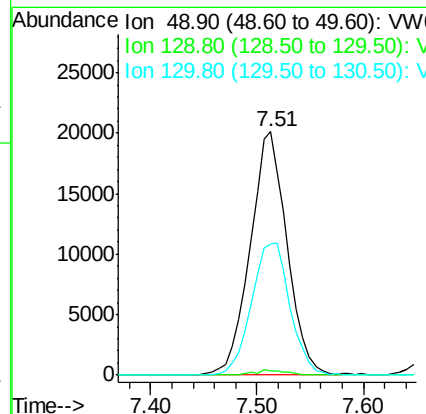
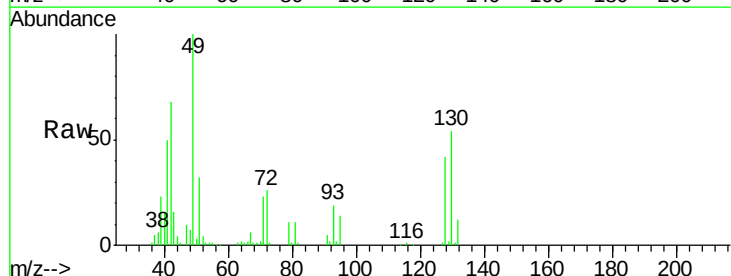
MMDadoda
8/27/2019 11:04:07 AM

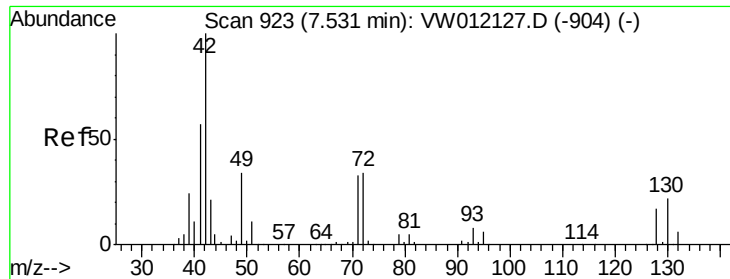


#28

Bromochloromethane
Concen: 20.836 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		48751		
129	1.9	0.0	1.4#		
130	56.8	45.5	68.3		





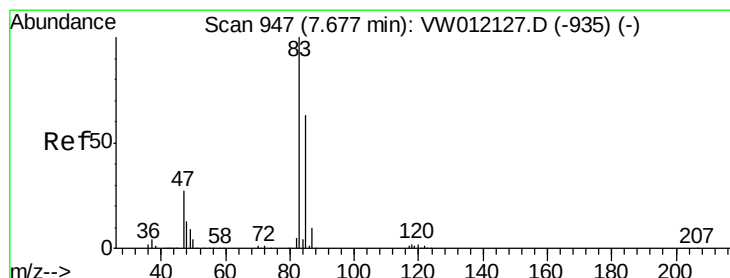
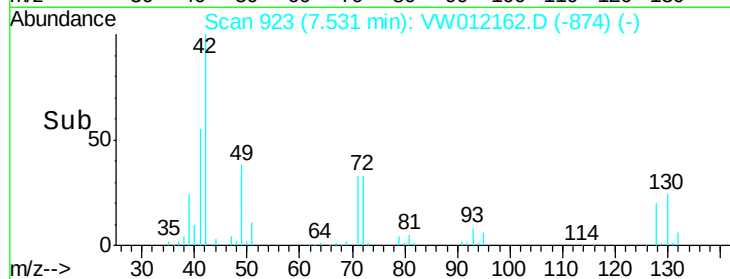
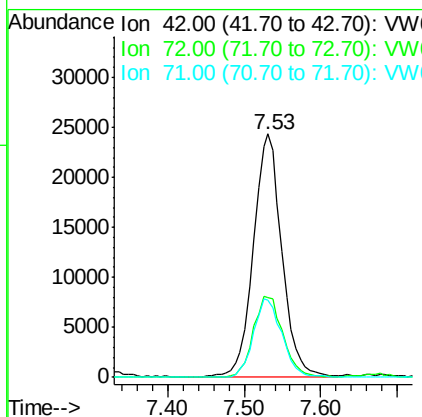
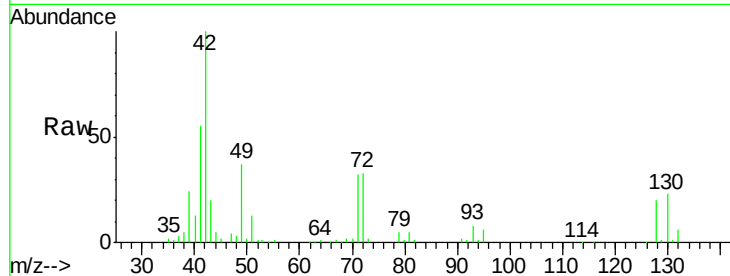
#29
Tetrahydrofuran
Concen: 103.597 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.3	40.9
71	32.2	25.5	38.3

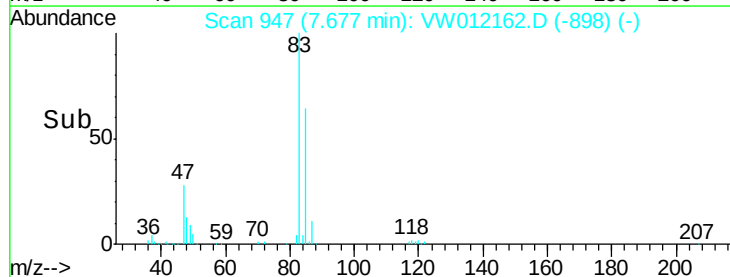
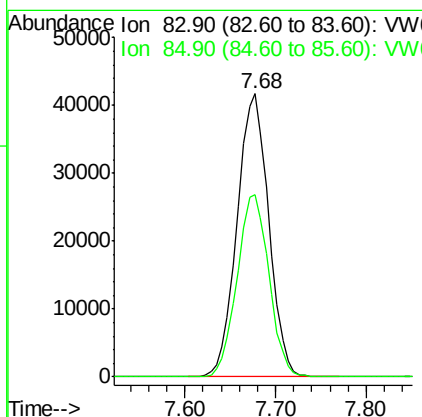
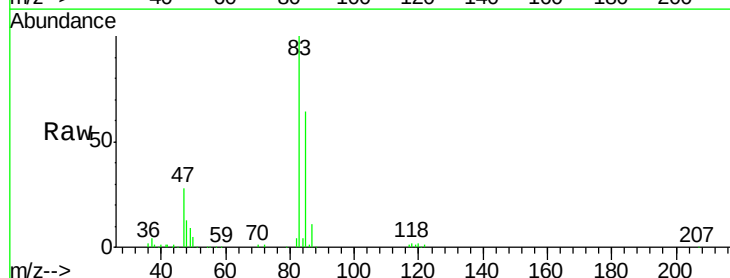
Manual Integrations
APPROVED

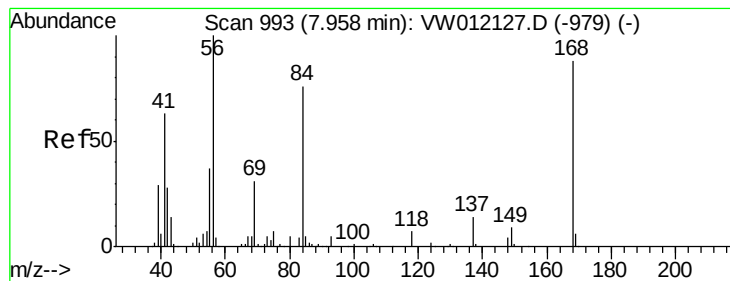
MMDadoda
8/27/2019 11:04:07 AM



#30
Chloroform
Concen: 20.556 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	76.0





#31

Cyclohexane

Concen: 18.844 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

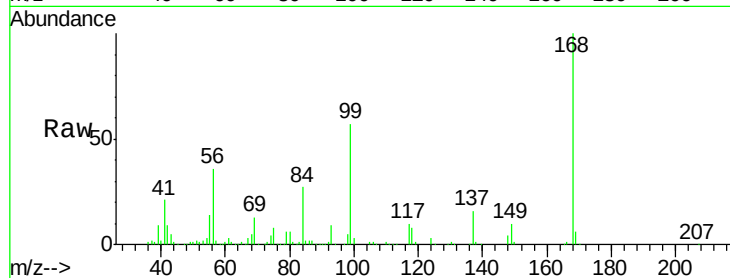
ClientSampleId :

VW0826SBS01

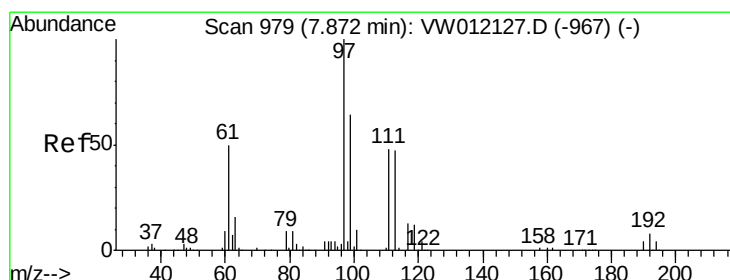
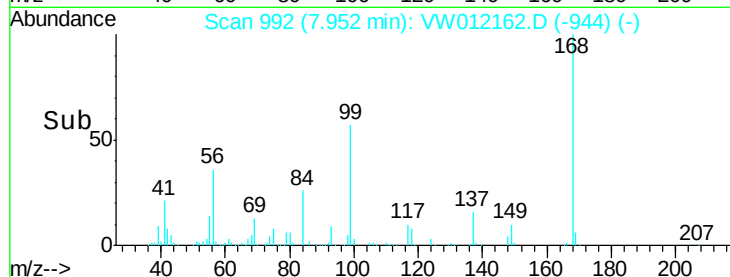
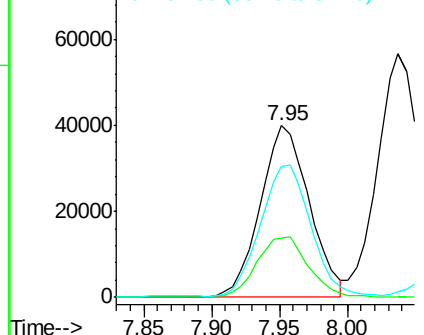
Tot Ion:	56	Resp:	100087
Ion Ratio		Lower	Upper
56	100		
69	34.8	24.9	37.3
84	75.0	60.6	90.8

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 20.724 ug/l

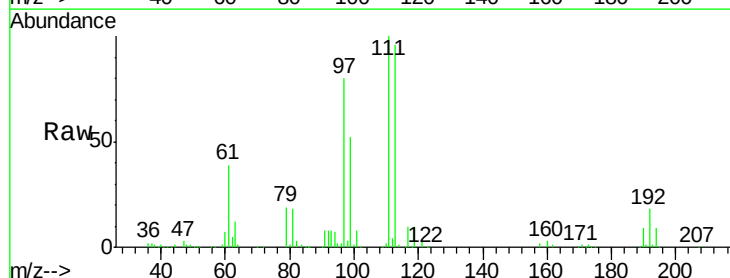
RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

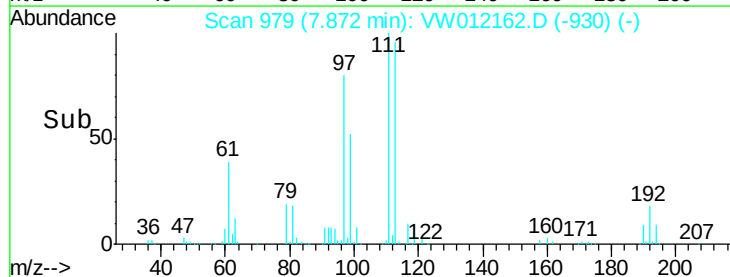
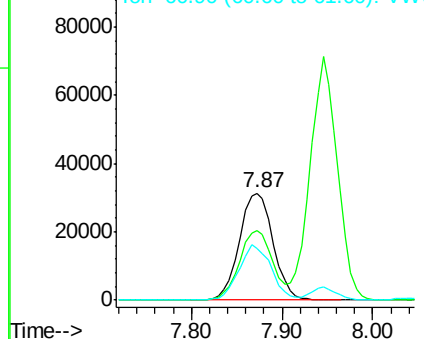
Lab File: VW012162.D

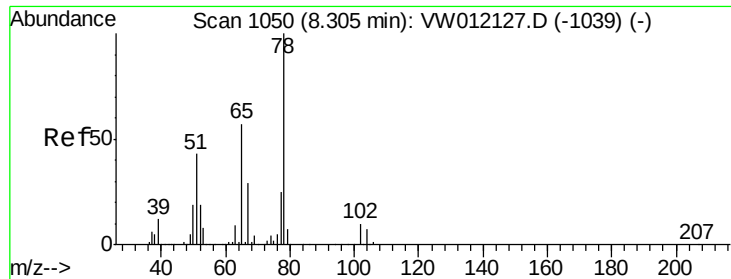
Acq: 26 Aug 2019 10:47

Tgt Ion:	97	Resp:	80521
Ion Ratio		Lower	Upper
97	100		
99	63.3	51.4	77.0
61	49.4	39.5	59.3



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





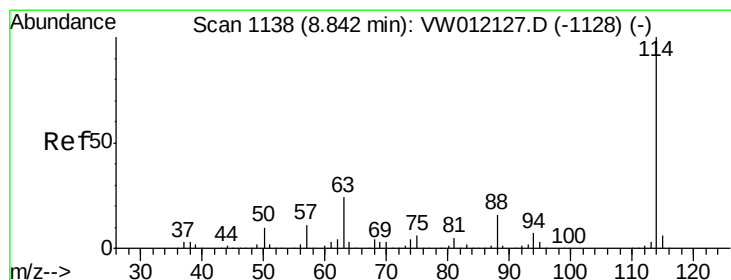
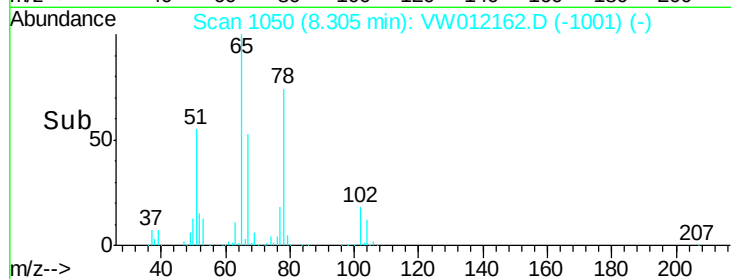
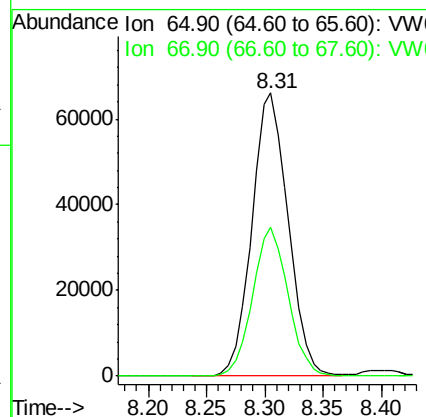
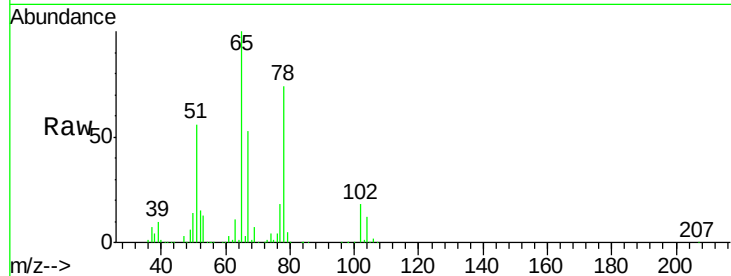
#33
 1,2-Dichloroethane-d4
 Concen: 48.583 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
 MSVOA_W
 ClientSampled :
 VW0826SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143259		
67	51.5	0.0	102.6	

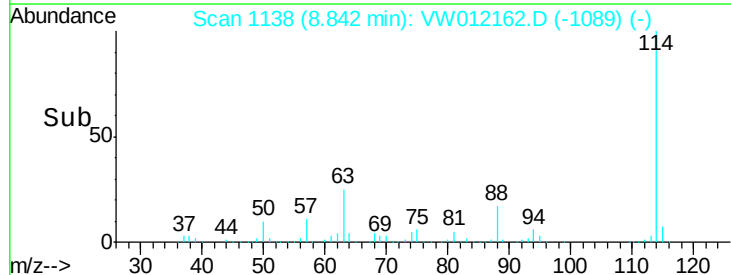
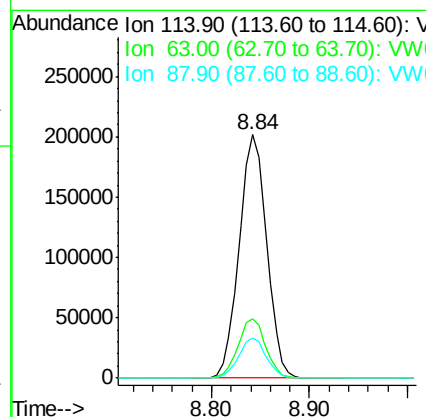
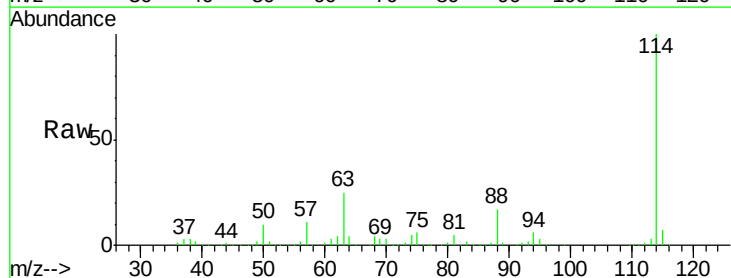
Manual Integrations
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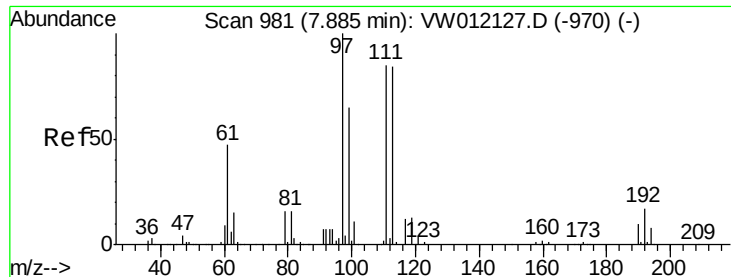
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 8/27/2019 11:04:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	395272		
63	24.6	0.0	48.6	
88	16.7	0.0	32.2	





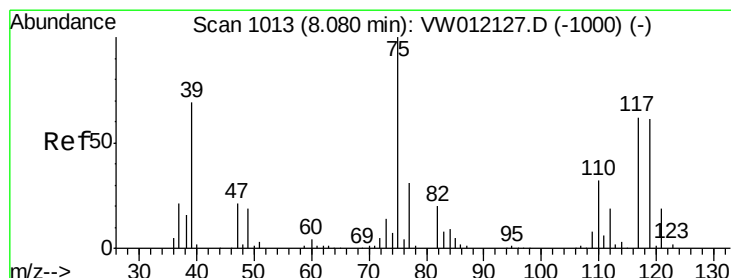
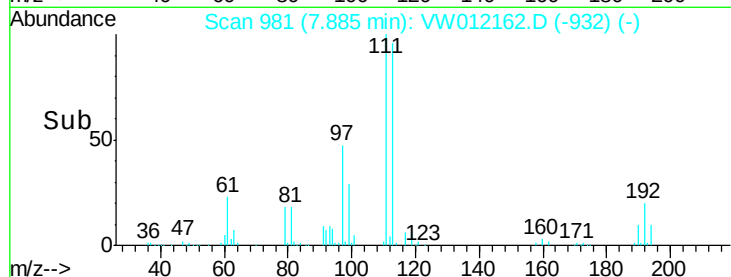
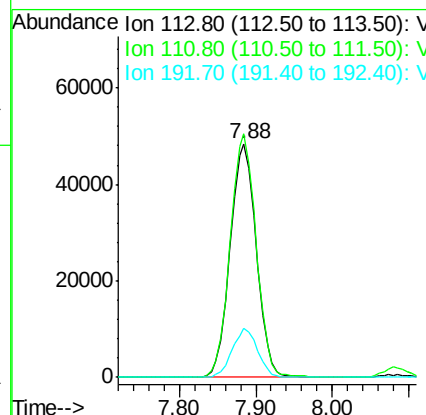
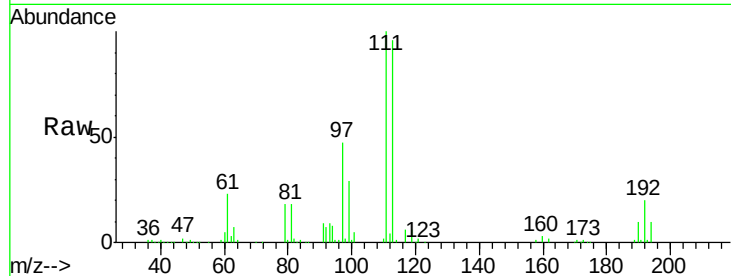
#35
 Dibromofluoromethane
 Concen: 48.509 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114451		
111	103.2	82.7	124.1	
192	20.4	16.2	24.2	

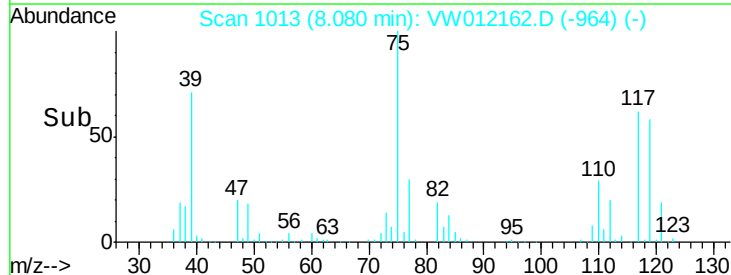
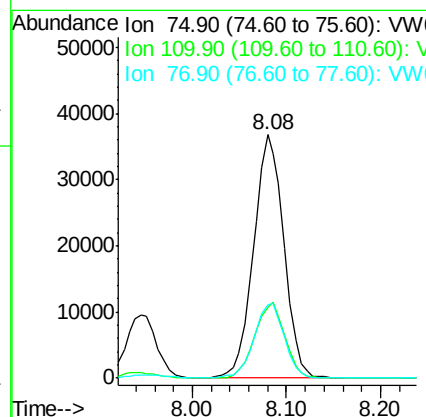
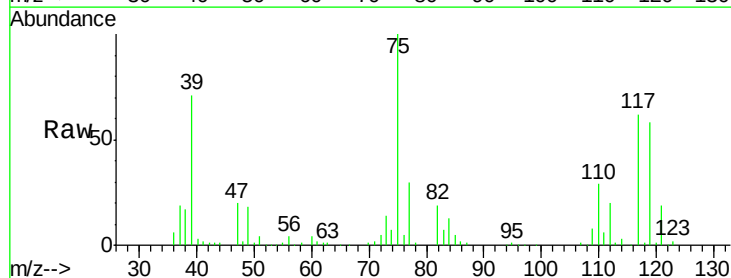
Manual Integrations
 APPROVED

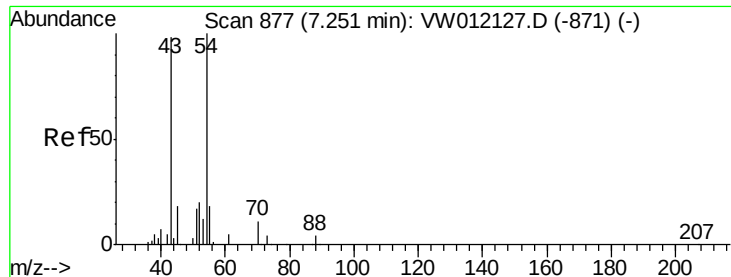
MMDadoda
 8/27/2019 11:04:07 AM



#36
 1,1-Dichloropropene
 Concen: 20.290 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82878		
110	31.0	15.6	46.8	
77	30.9	24.6	36.8	





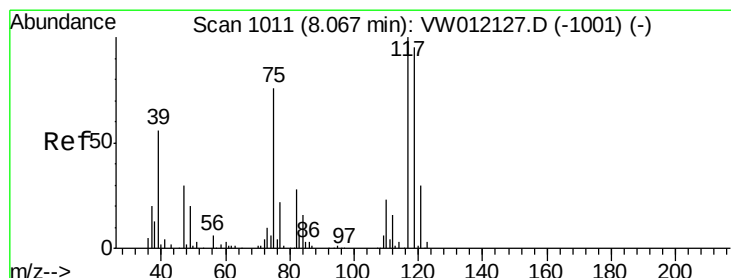
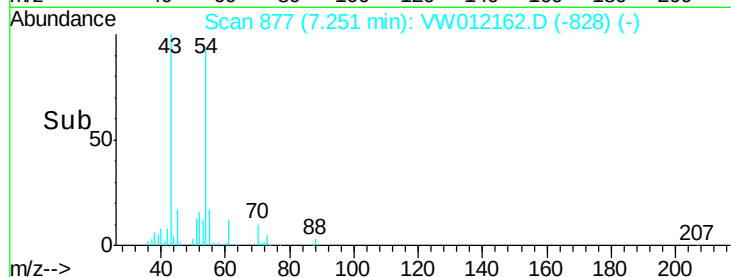
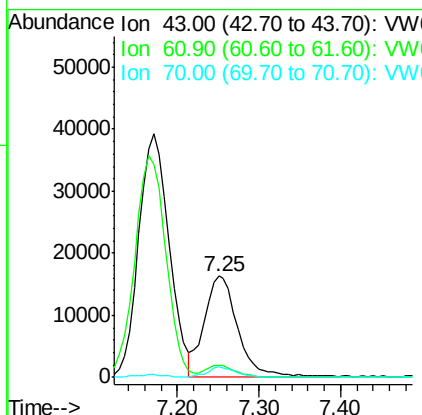
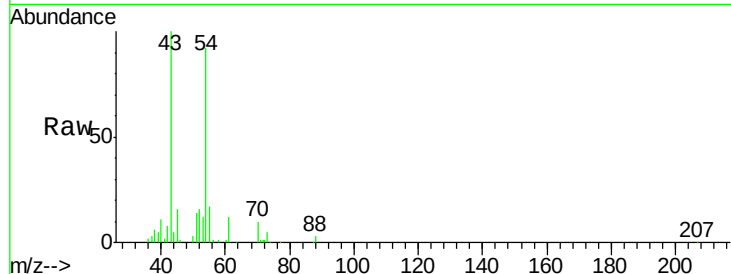
#37
Ethyl Acetate
Concen: 20.634 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.9	9.2	13.8
70	9.0	6.9	10.3

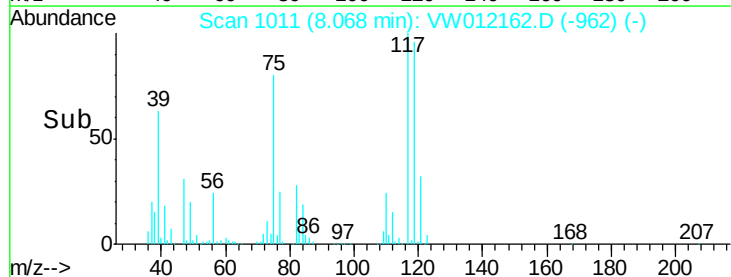
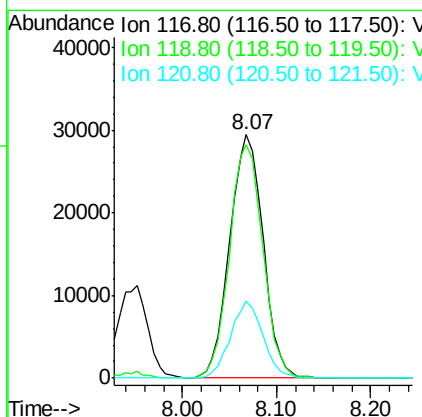
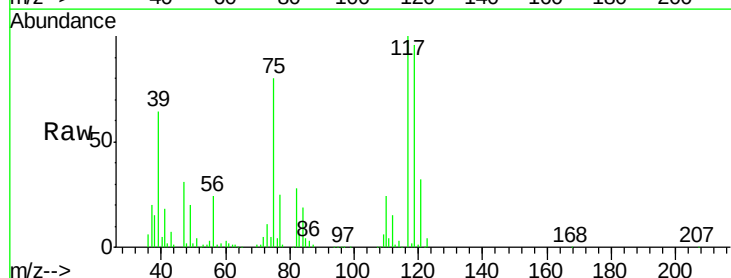
Manual Integrations
APPROVED

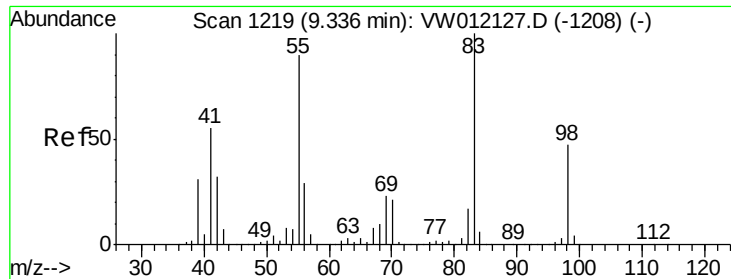
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.614 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.2	114.2
121	31.7	23.8	35.8





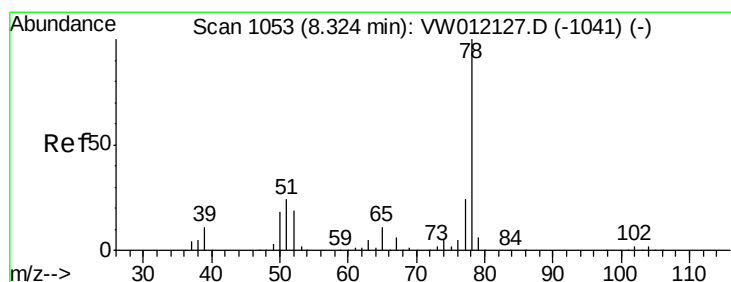
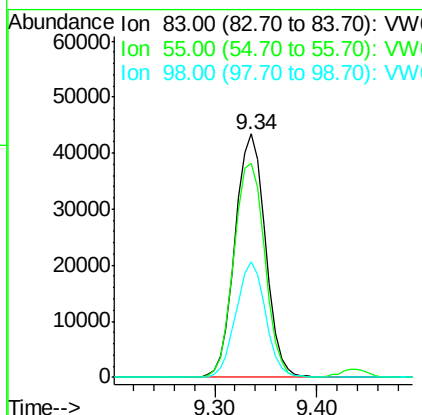
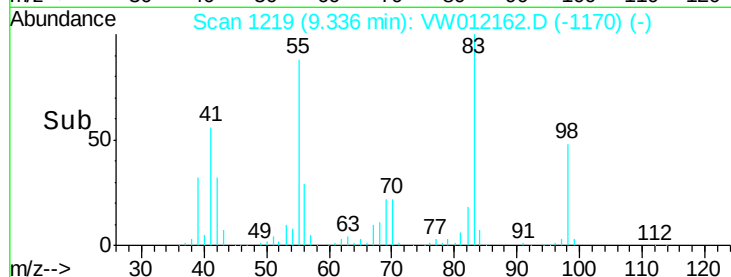
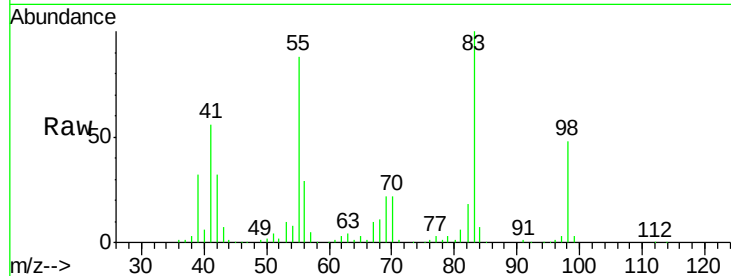
#39
Methylvlcyclohexane
Concen: 19.505 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

Tot Ion	83	Resp	89504
Ion Ratio	100	Lower	Upper
83	100		
55	87.7	71.8	107.8
98	47.6	37.8	56.8

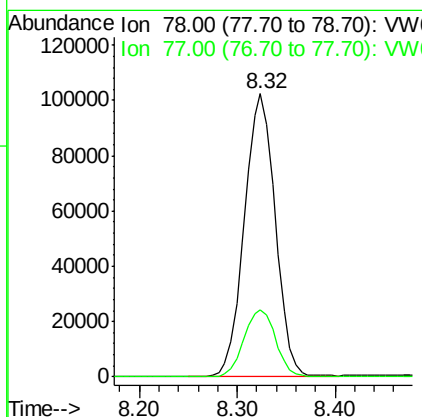
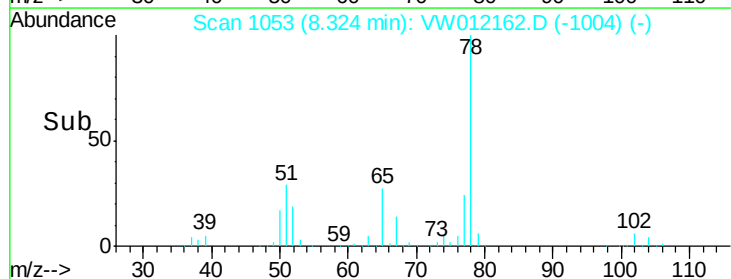
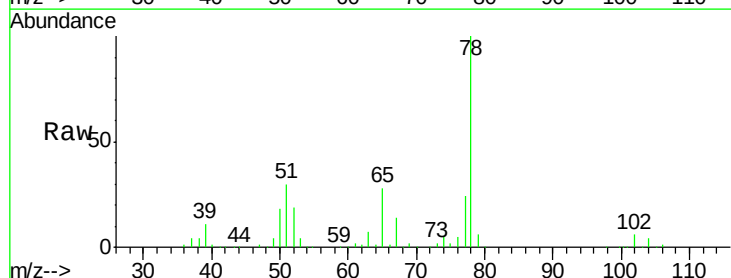
Manual Integrations
APPROVED

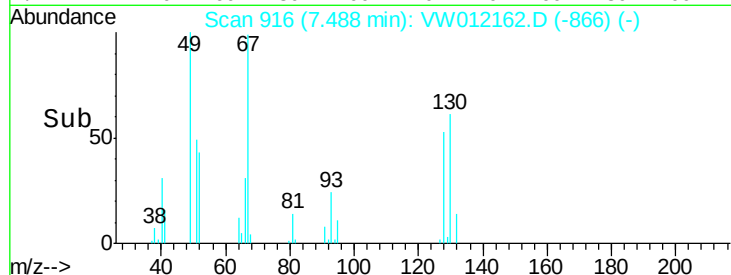
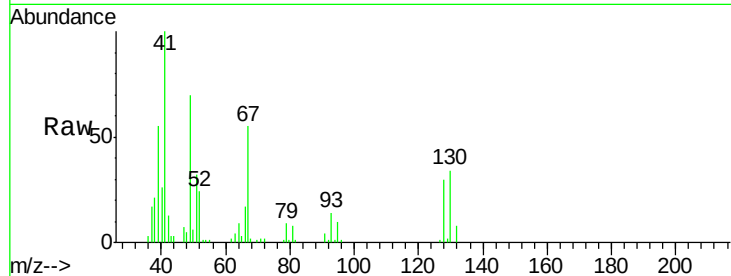
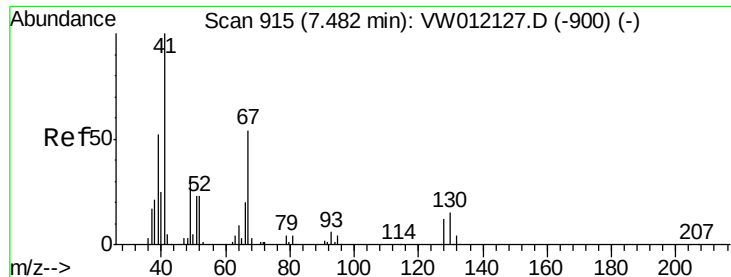
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#40
Benzene
Concen: 20.194 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion	78	Resp	225231
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	19.5	29.3





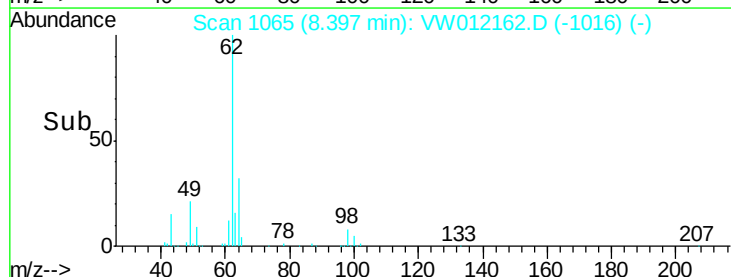
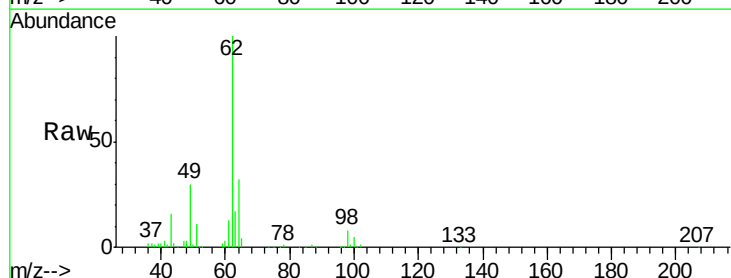
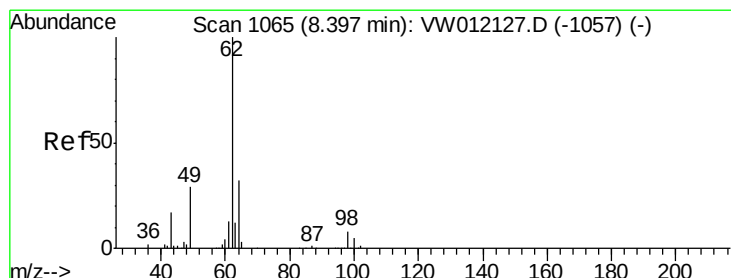
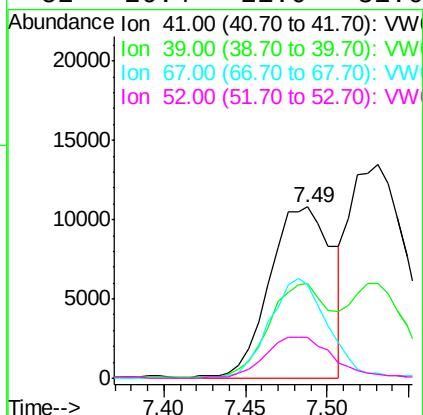
#41
Methacrylonitrile
Concen: 22.023 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tot Ion	41	Resp	28973
Ion	Ratio	Lower	Upper
41	100		
39	52.9	45.8	68.8
67	54.7	46.2	69.4
52	26.4	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

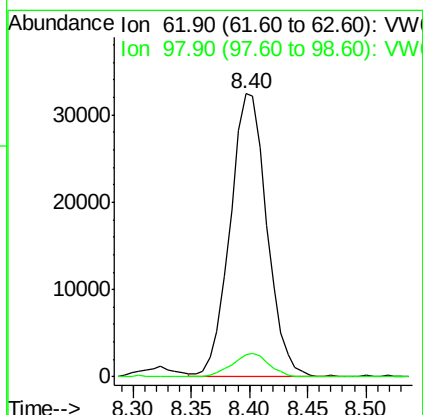
Manual Integrations
APPROVED

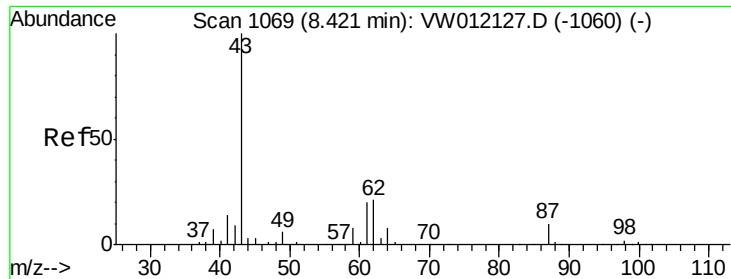
MMDadoda
8/27/2019 11:04:07 AM



#42
1,2-Dichloroethane
Concen: 20.458 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion	62	Resp	71512
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 20.186 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

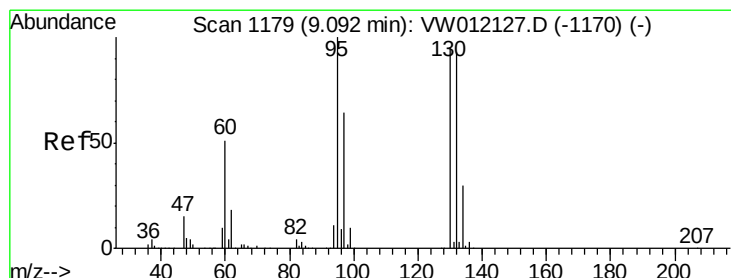
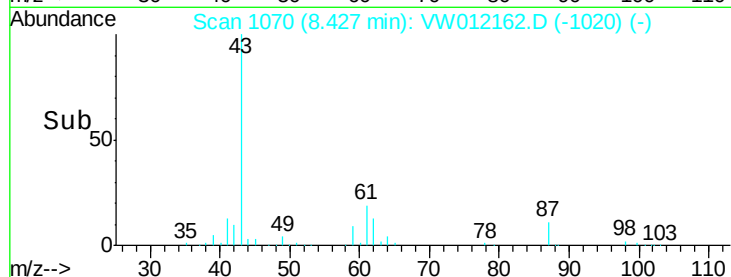
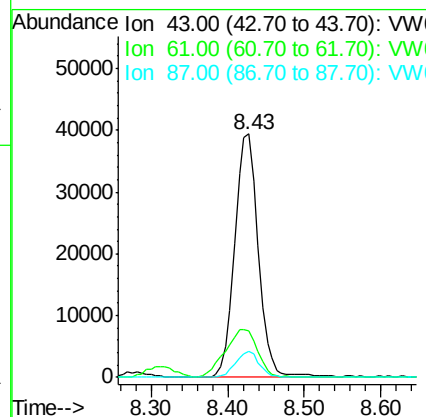
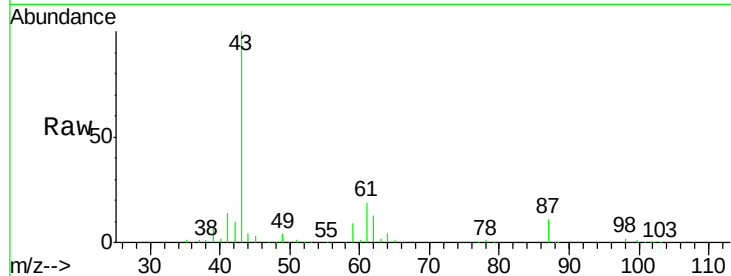
ClientSampleId :

VW0826SBS01

Tot Ion:	43	Resp:	83692
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.1	31.7
87	10.5	8.2	12.2

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#44

Trichloroethene

Concen: 20.243 ug/l

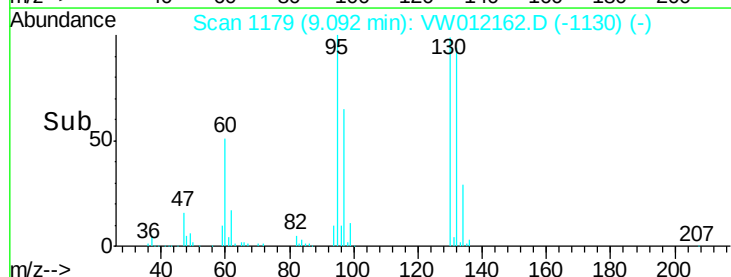
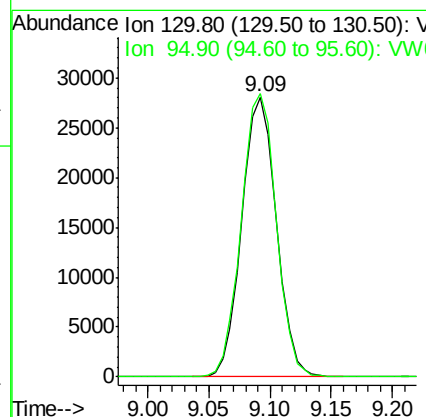
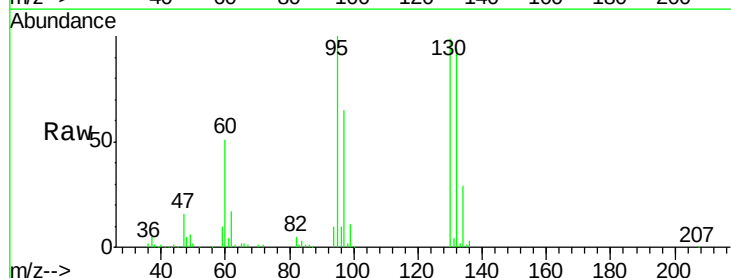
RT: 9.09 min Scan# 1179

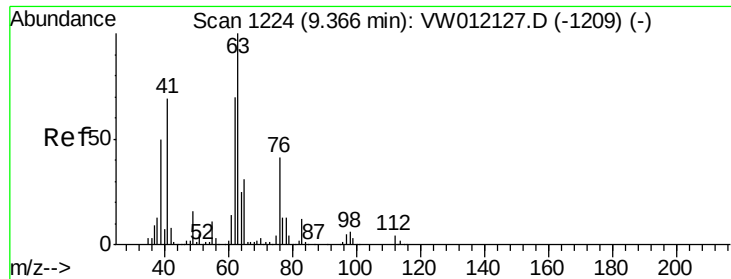
Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Tgt Ion:	130	Resp:	54887
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.6





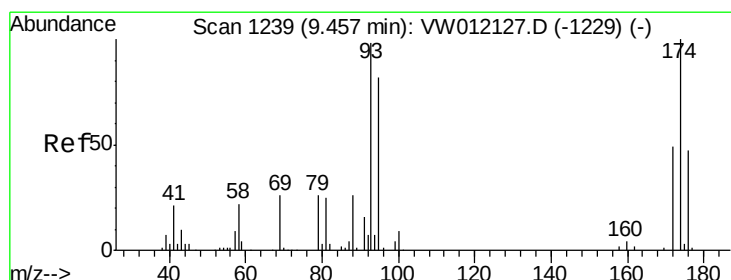
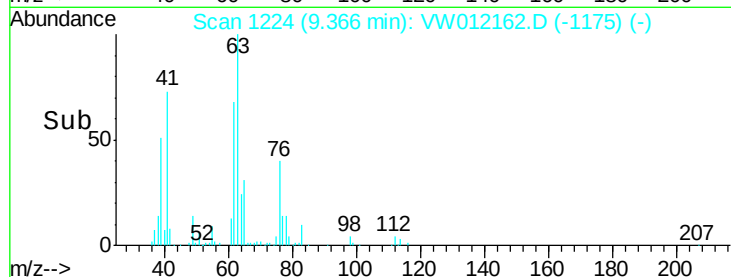
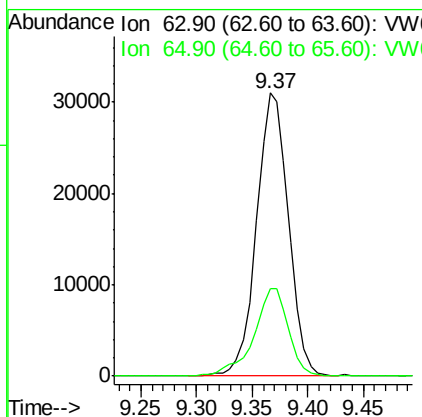
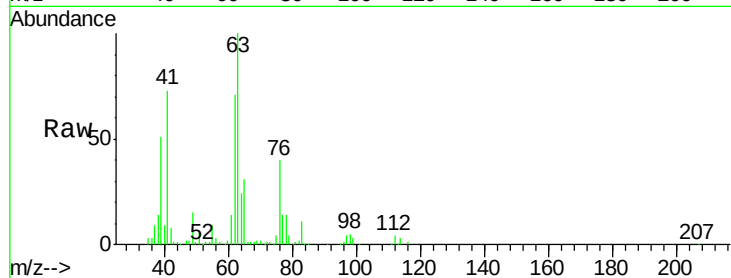
#45
 1,2-Dichloropropane
 Concen: 20.675 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
 MSVOA_W
 ClientSampled :
 VW0826SBS01

Tot Ion: 63 Resp: 62061
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4

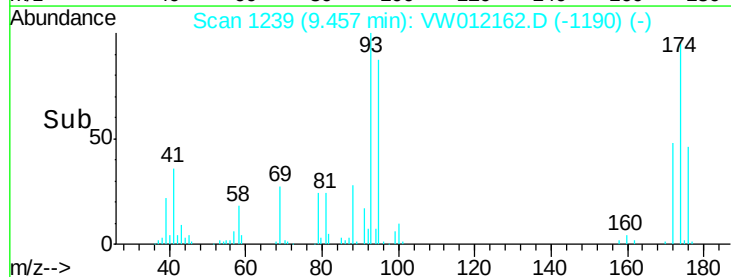
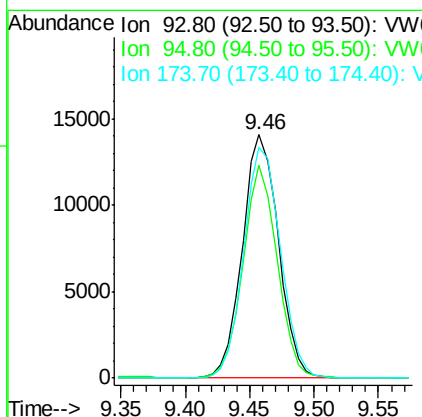
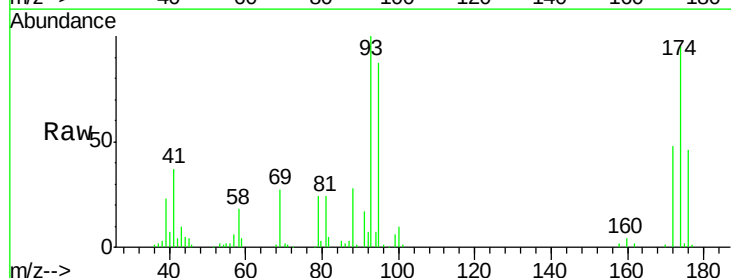
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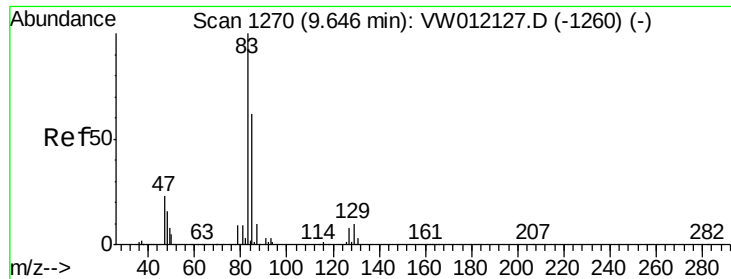
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 8/27/2019 11:04:07 AM



#46
 Dibromomethane
 Concen: 20.391 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion: 93 Resp: 27233
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.2 100.8
 174 96.7 79.0 118.6





#47

Bromodichloromethane

Concen: 20.510 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

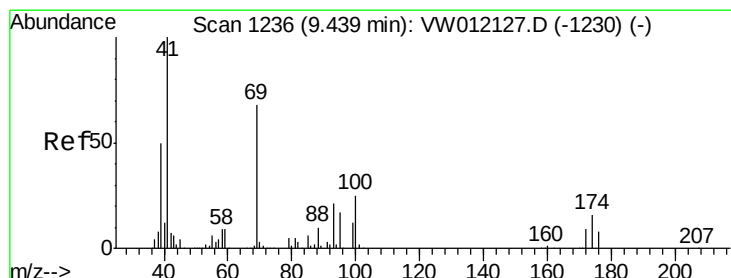
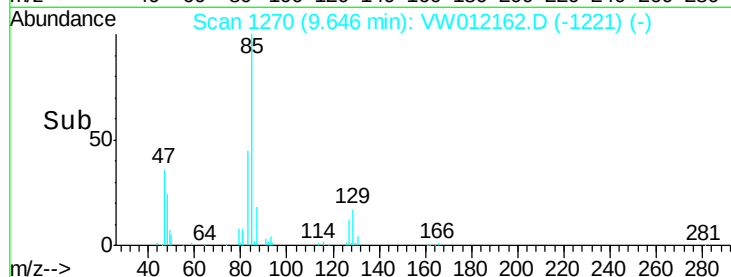
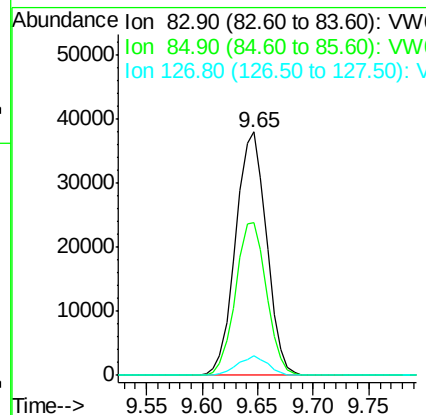
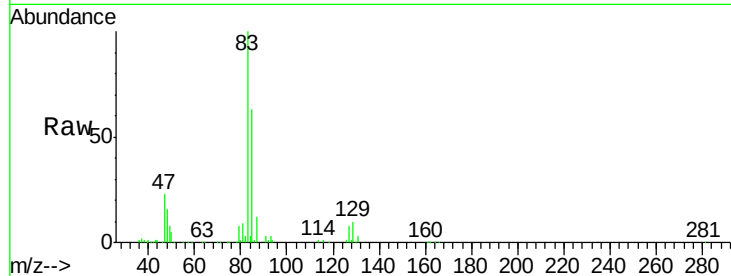
ClientSampled :

VW0826SBS01

Tot Ion:	83	Resp:	72902
Ion	Ratio	Lower	Upper
83	100		
85	62.8	49.4	74.2
127	7.8	6.1	9.1

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#48

Methyl methacrylate

Concen: 19.632 ug/l

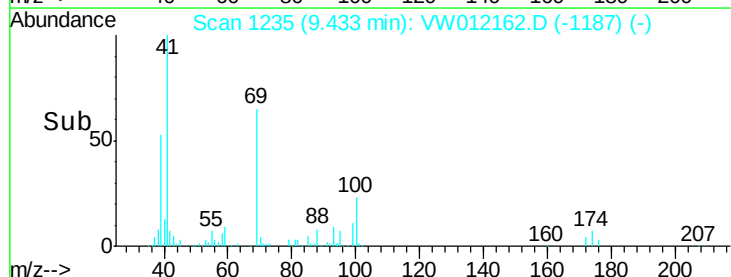
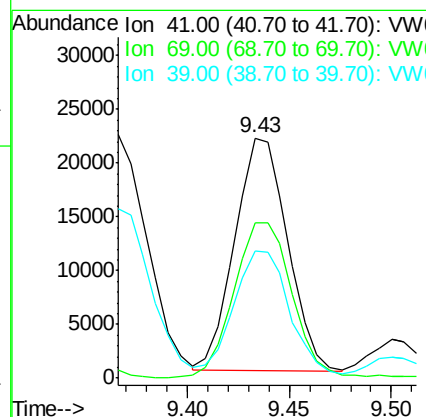
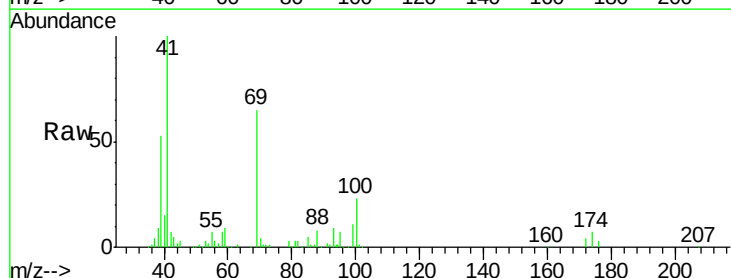
RT: 9.43 min Scan# 1235

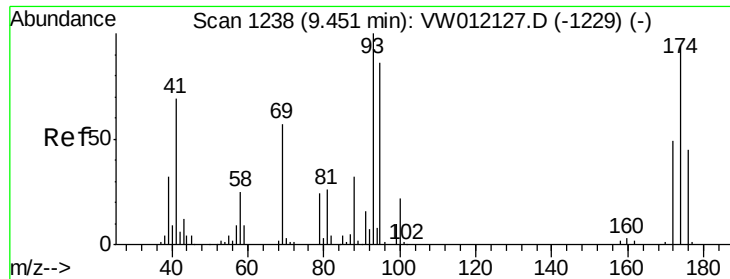
Delta R.T. -0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Tgt Ion:	41	Resp:	38740
Ion	Ratio	Lower	Upper
41	100		
69	74.4	56.7	85.1
39	58.7	42.0	63.0





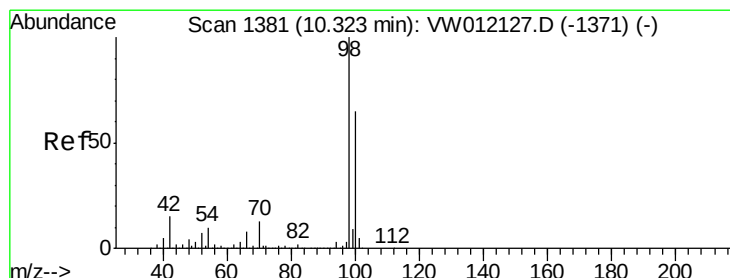
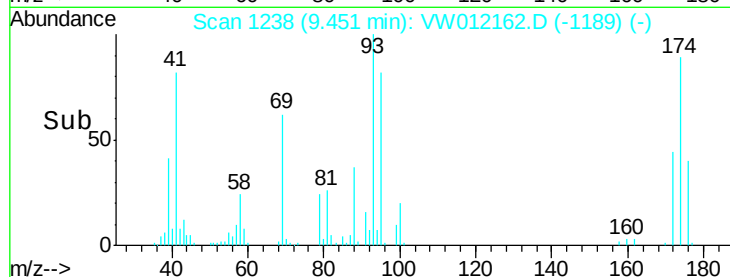
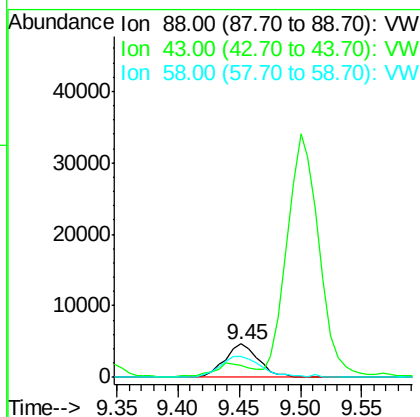
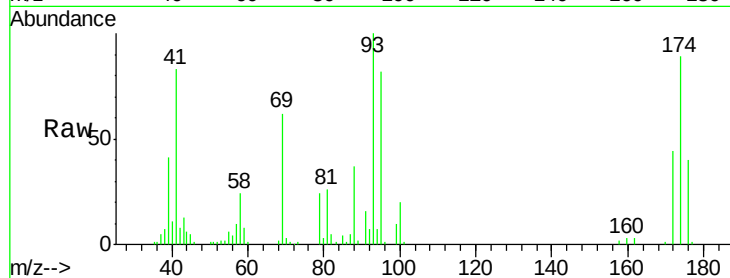
#49
1,4-Dioxane
Concen: 434.511 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.9	32.9	49.3
58	79.2	71.0	106.4

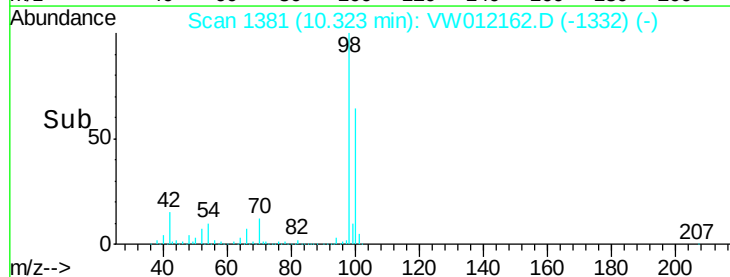
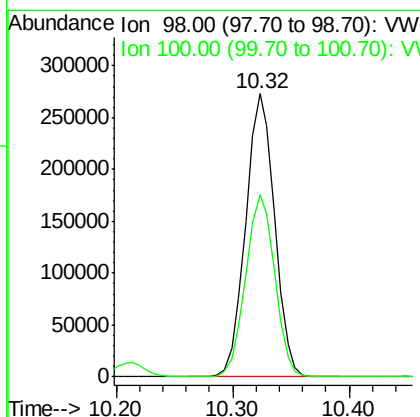
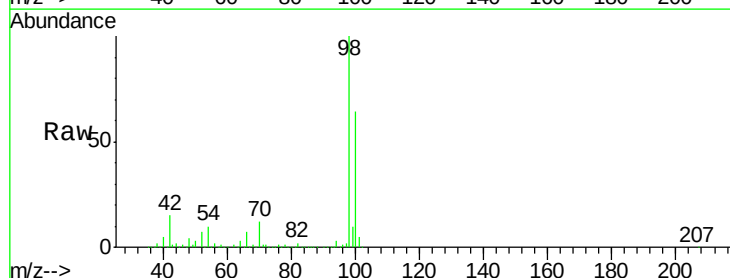
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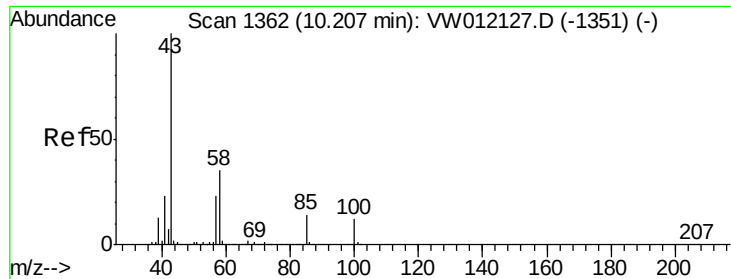
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#50
Toluene-d8
Concen: 49.570 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.4	78.6





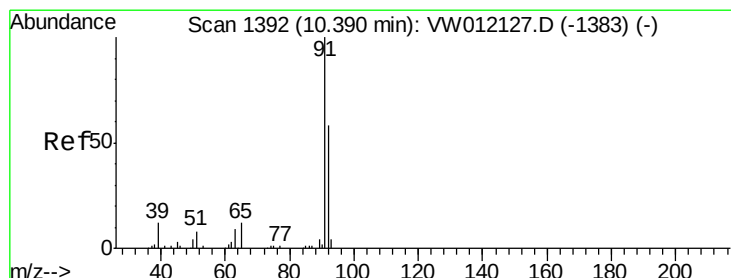
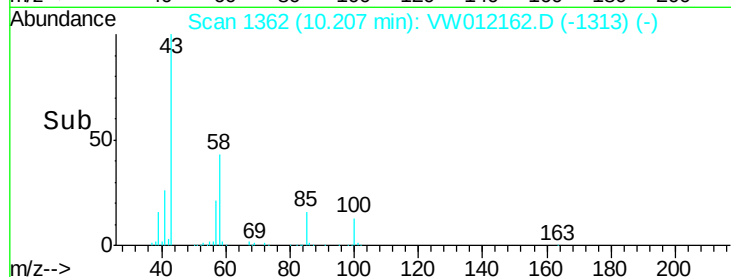
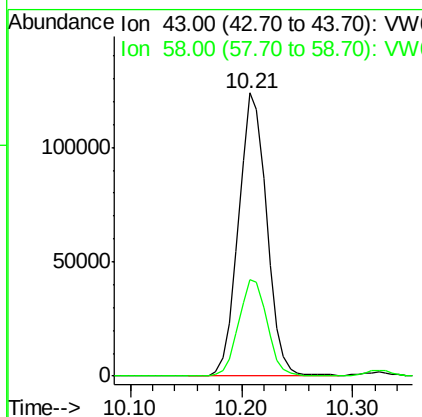
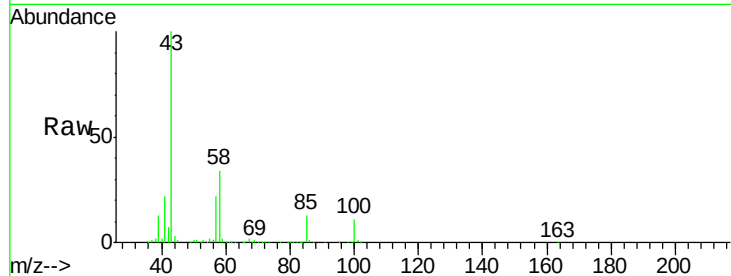
#51
 4-Methyl-2-Pentanone
 Concen: 103.027 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
 MSVOA_W
 ClientSampled :
 VW0826SBS01

Tot Ion	43	Resp	217268
Ion Ratio	100	Lower	Upper
58	34.5	28.2	42.2

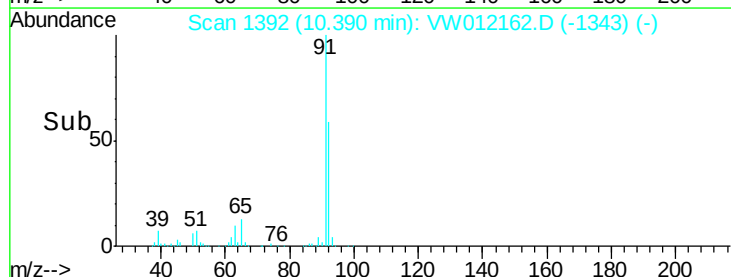
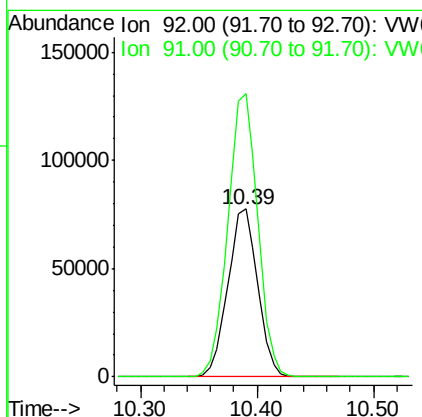
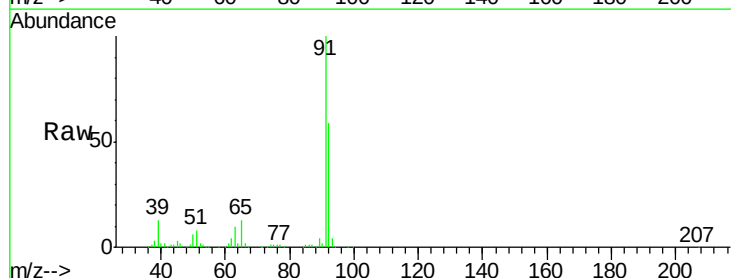
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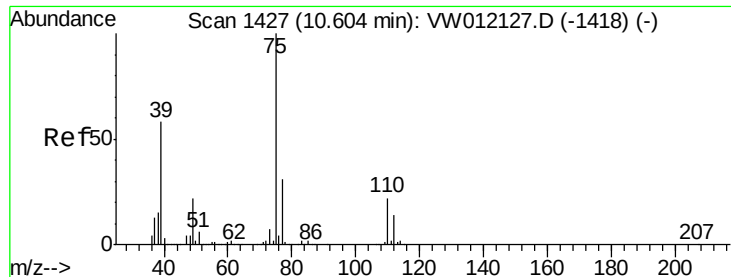
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#52
 Toluene
 Concen: 20.555 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion	92	Resp	137730
Ion Ratio	100	Lower	Upper
91	169.9	136.6	204.8





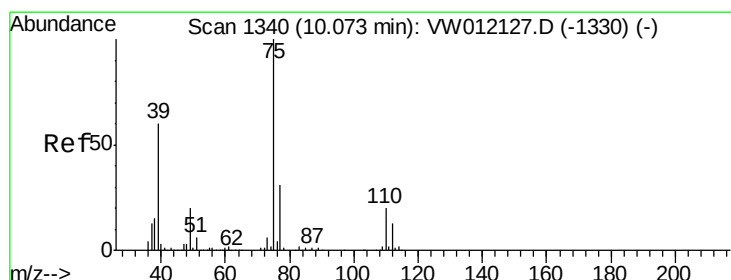
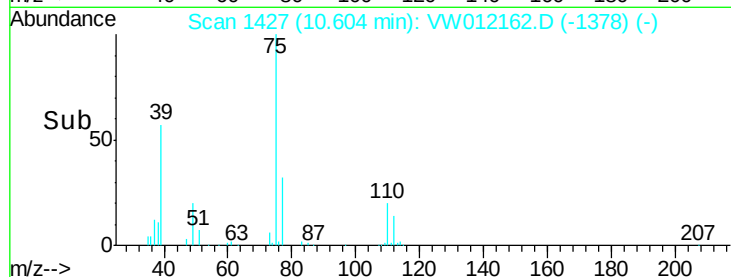
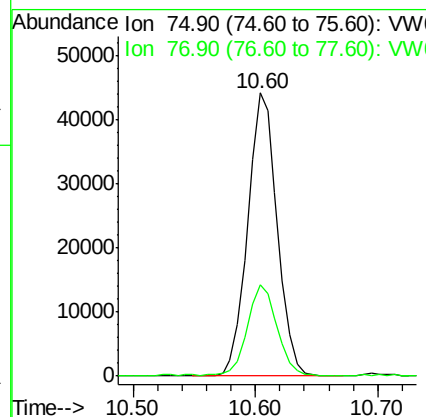
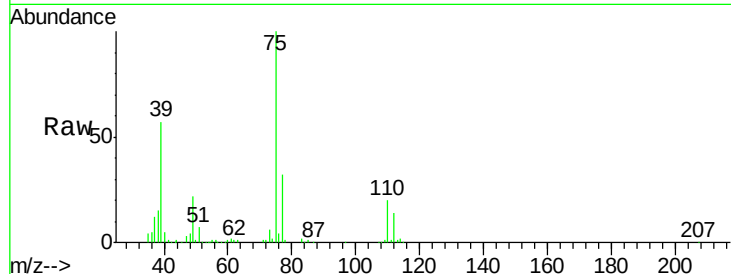
#53
 t-1,3-Dichloropropene
 Concen: 20.345 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0826SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4

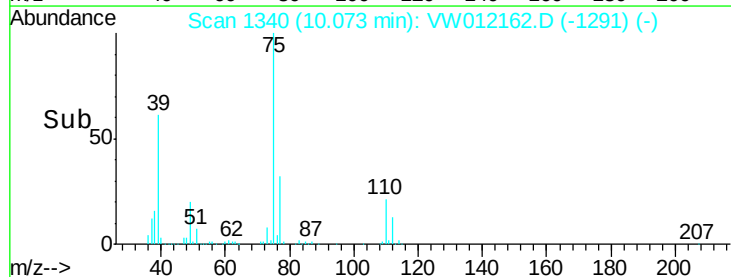
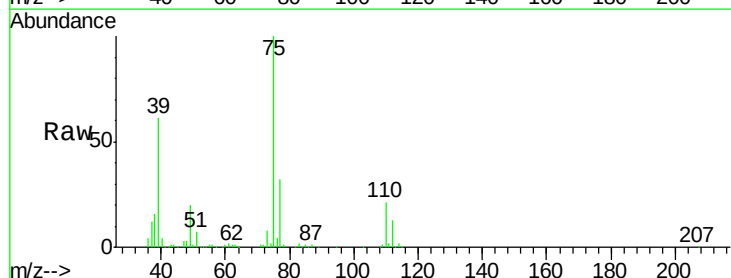
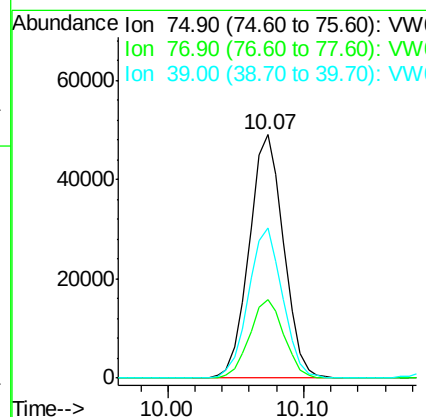
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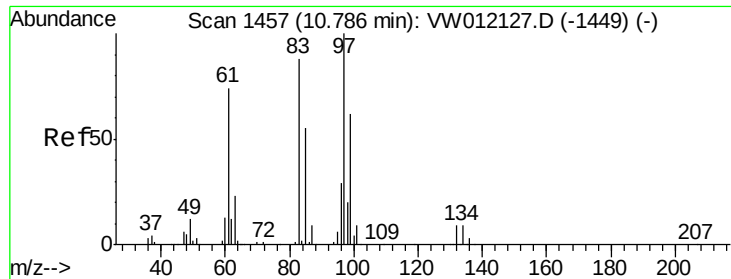
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#54
 cis-1,3-Dichloropropene
 Concen: 19.931 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.1	37.7
39	61.2	48.3	72.5





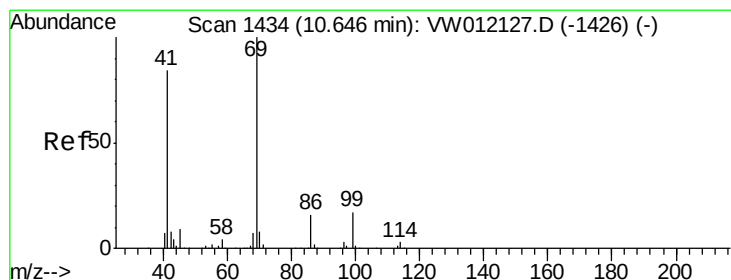
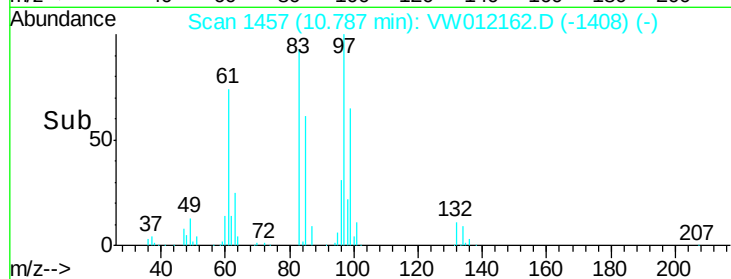
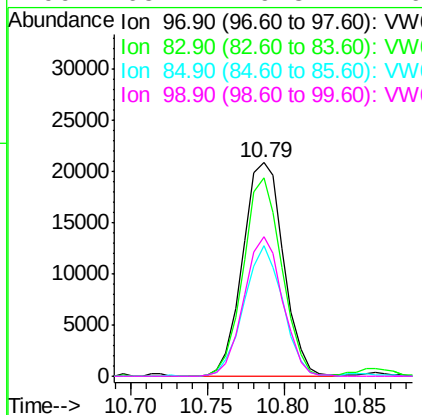
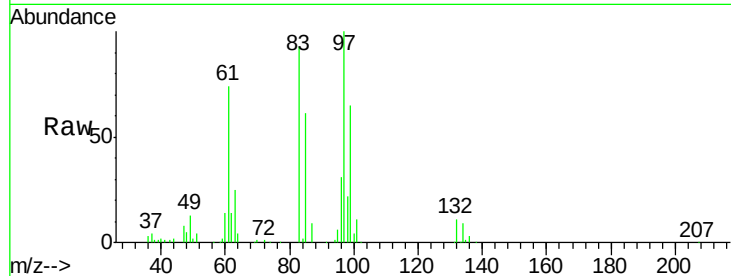
#55
 1,1,2-Trichloroethane
 Concen: 20.521 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

Tot Ion:	97	Resp:	38778
Ion	Ratio	Lower	Upper
97	100		
83	92.8	70.8	106.2
85	61.2	43.8	65.8
99	65.1	49.8	74.6

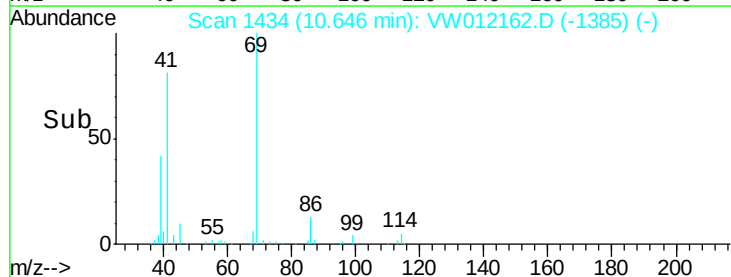
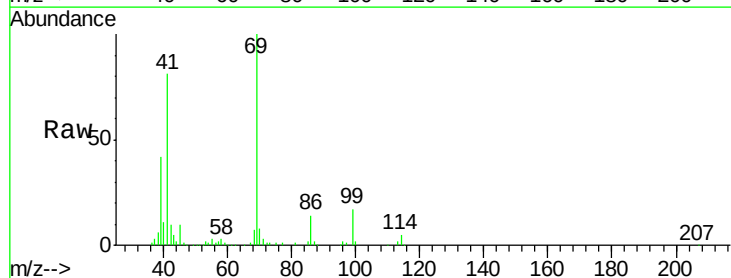
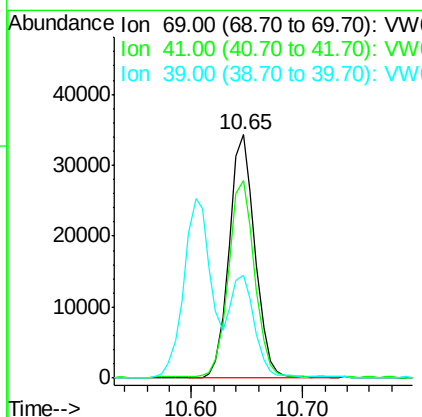
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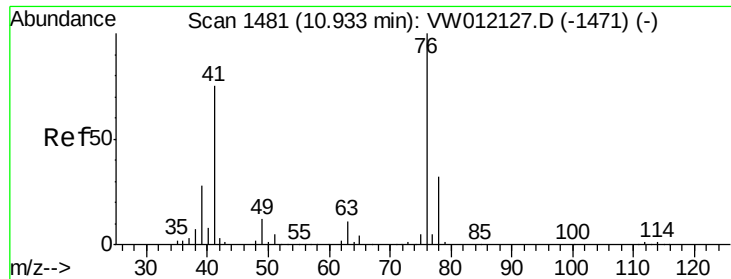
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#56
 Ethyl methacrylate
 Concen: 20.034 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion:	69	Resp:	55099
Ion	Ratio	Lower	Upper
69	100		
41	80.4	66.5	99.7
39	39.4	31.0	46.4





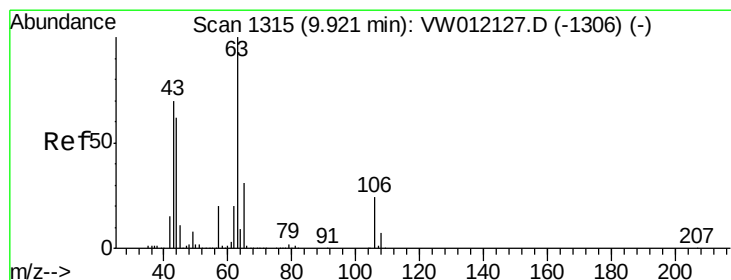
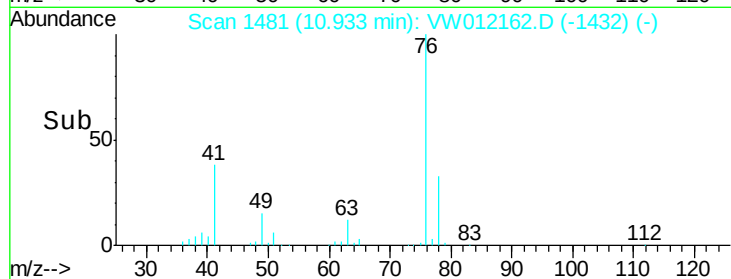
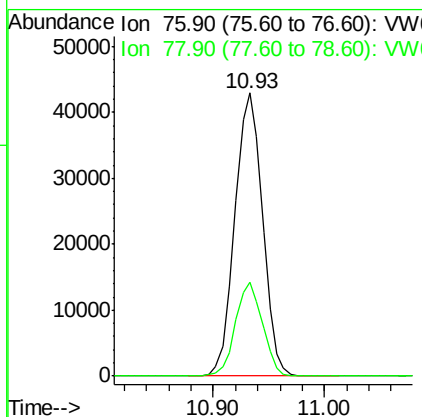
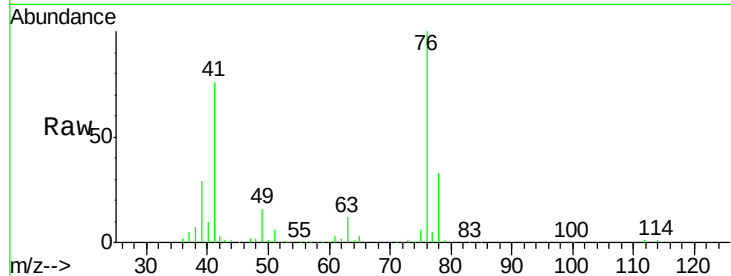
#57
 1,3-Dichloropropane
 Concen: 20.747 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

Tot Ion: 76 Resp: 74088
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

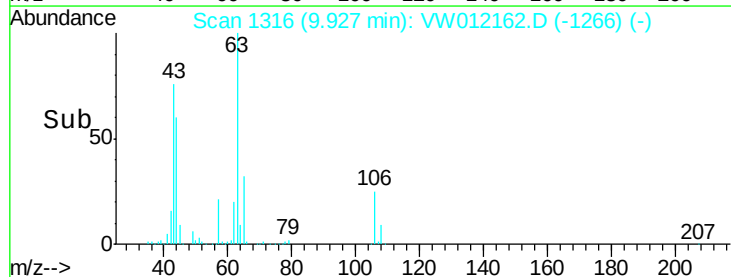
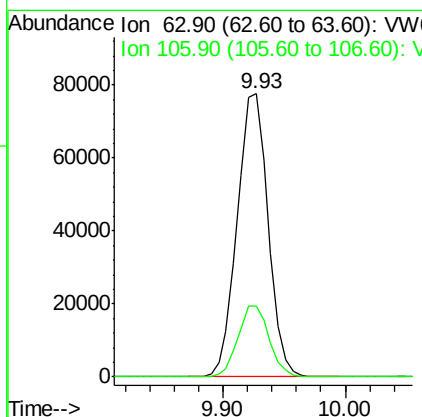
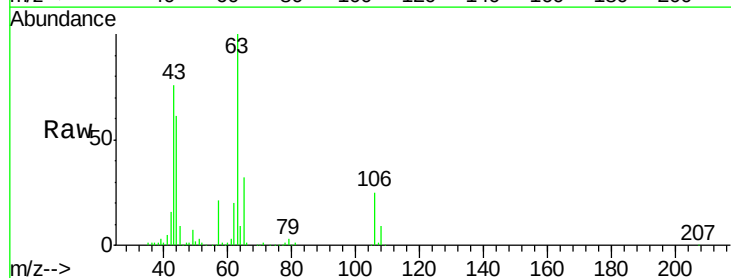
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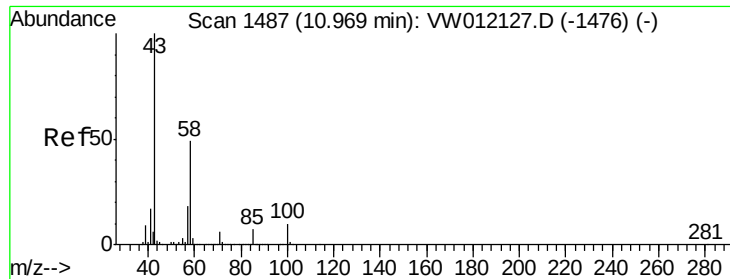
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 8/27/2019 11:04:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.424 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion: 63 Resp: 136100
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.8 29.8





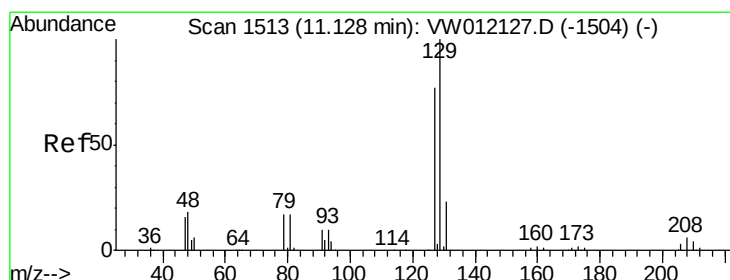
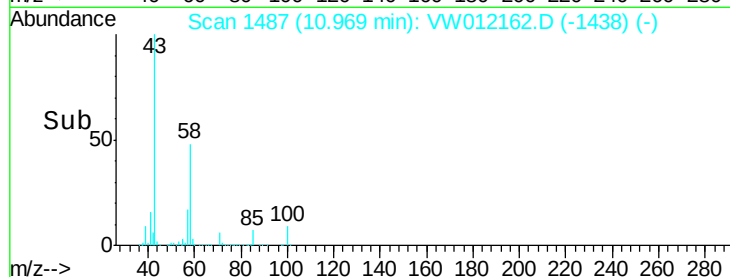
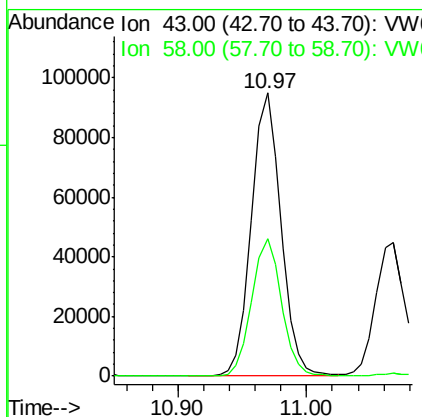
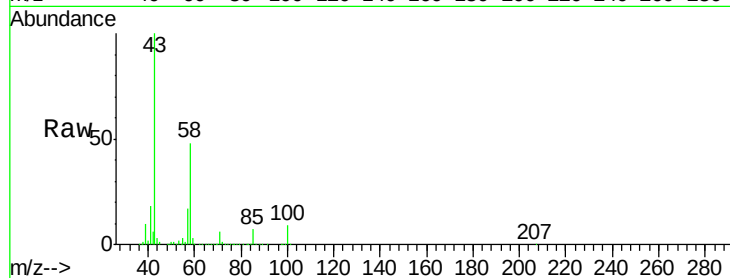
#59
2-Hexanone
Concen: 100.791 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	24.3	72.9

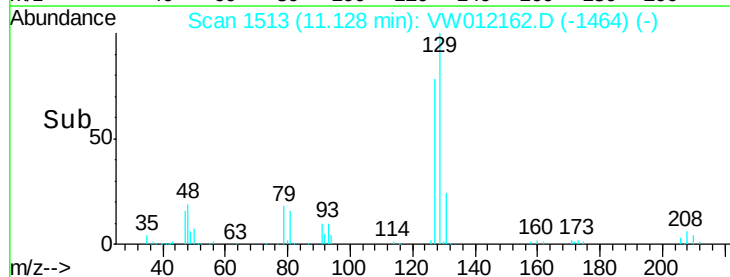
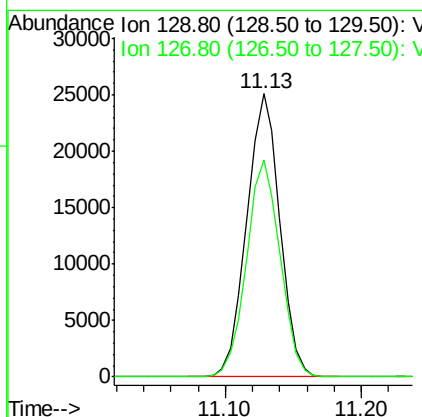
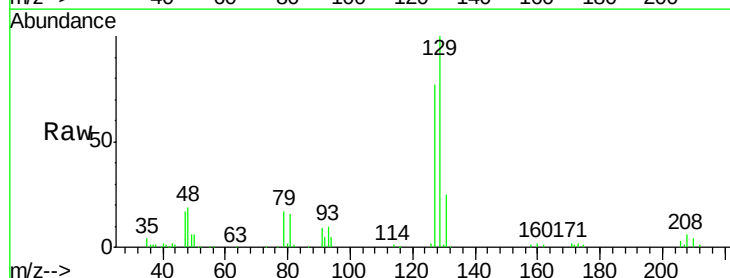
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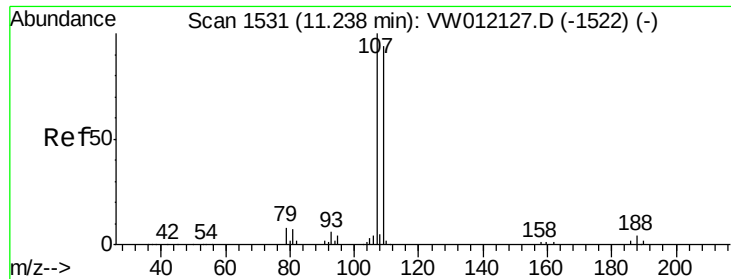
MMDadoda
8/27/2019 11:04:07 AM



#60
Dibromochloromethane
Concen: 20.369 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.6	115.8





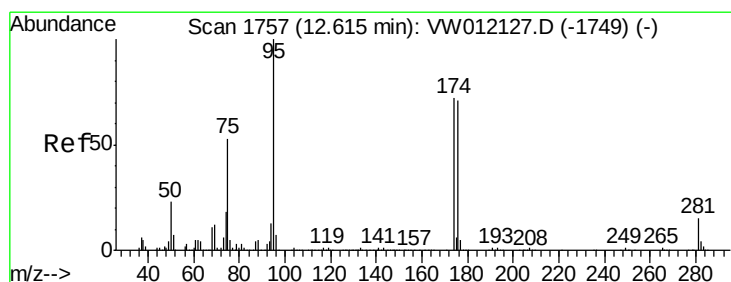
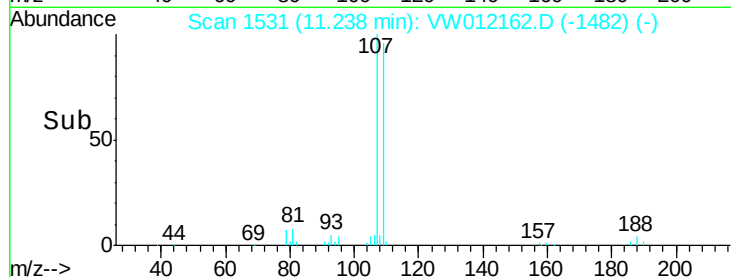
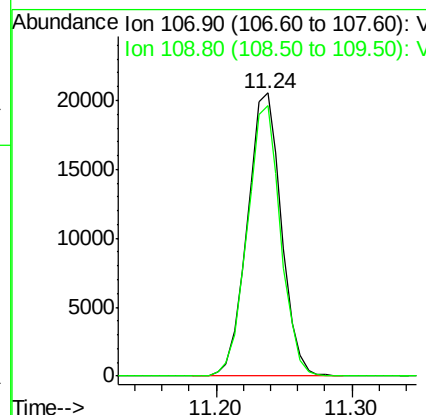
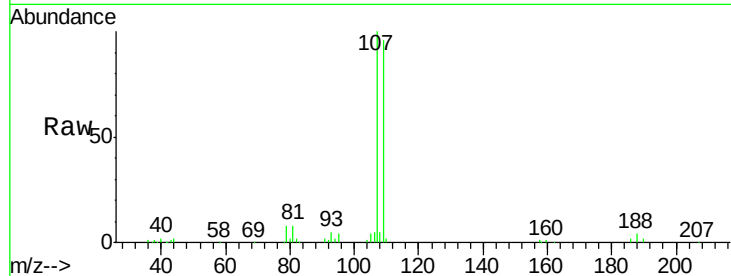
#61
 1,2-Dibromoethane
 Concen: 20.393 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.4	113.2

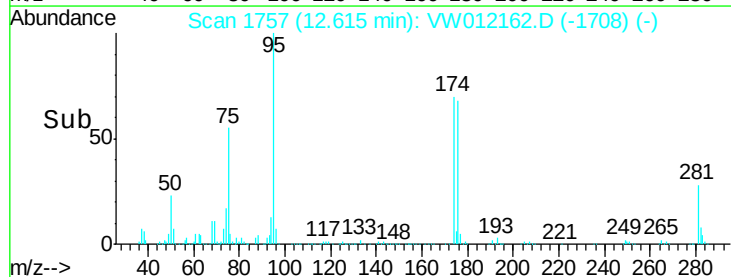
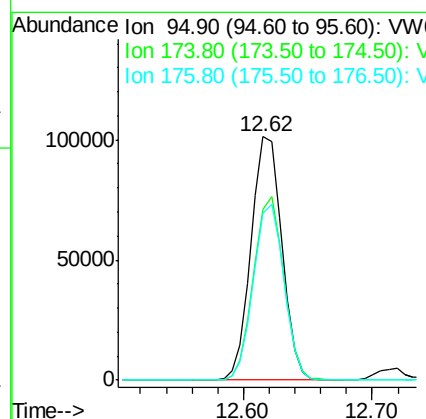
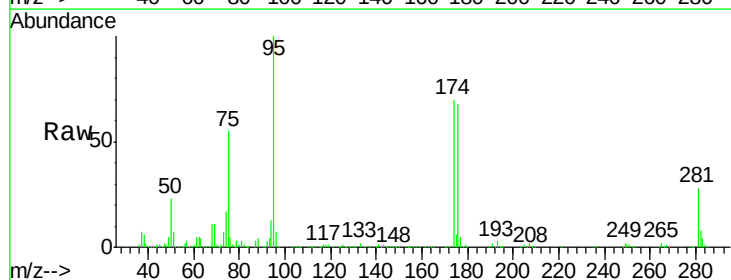
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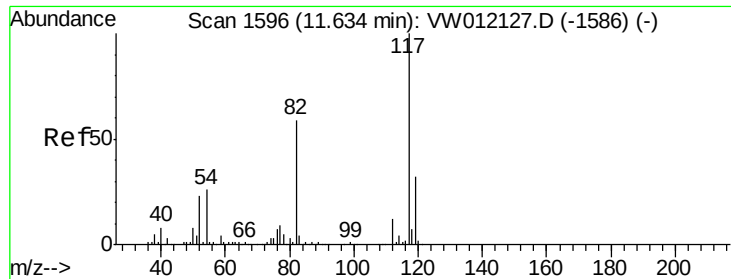
MMDadoda
 8/27/2019 11:04:07 AM



#62
 4-Bromofluorobenzene
 Concen: 49.466 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	150.8
176	71.9	0.0	148.6





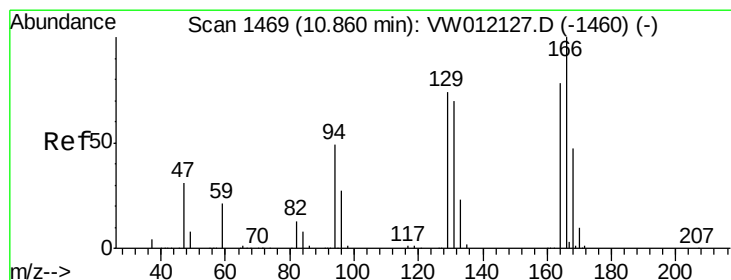
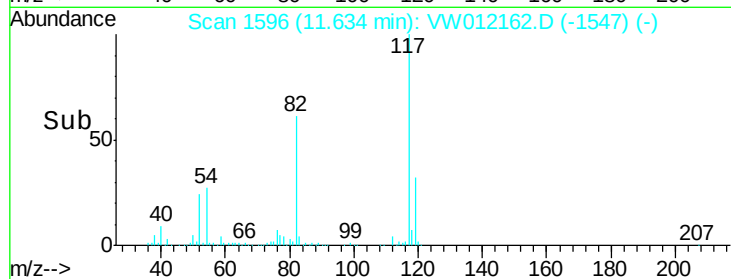
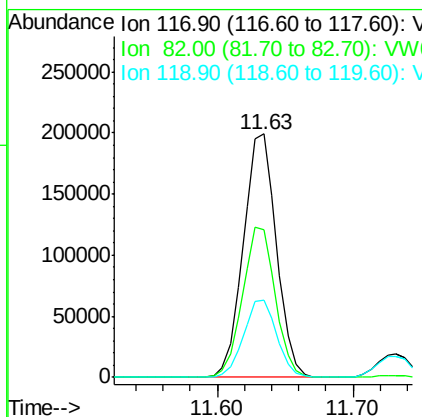
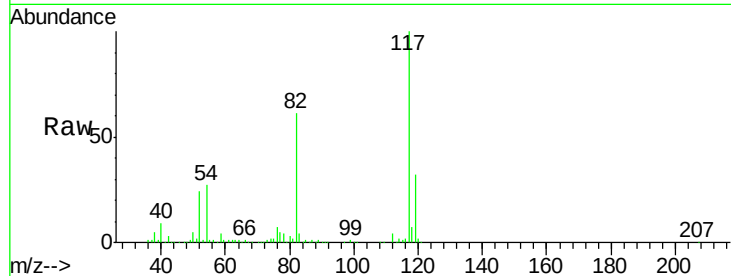
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	338955		
82	60.6	47.4	71.2	
119	32.0	25.4	38.2	

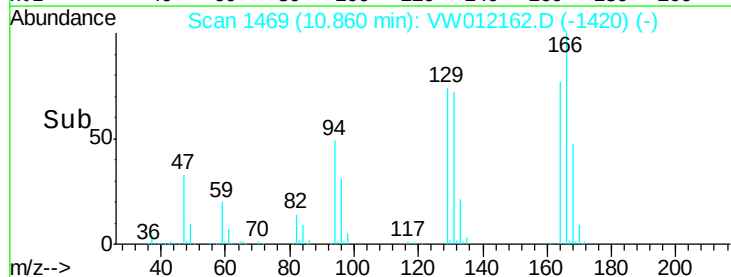
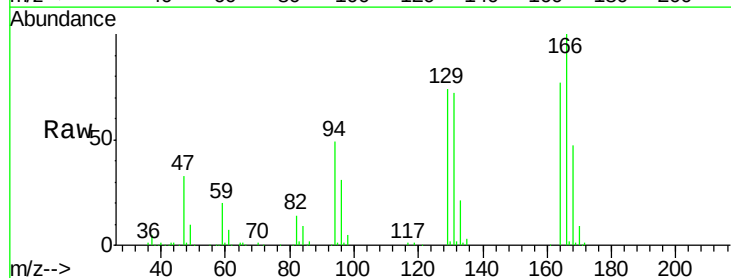
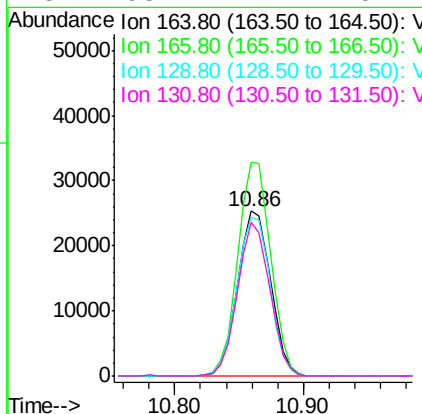
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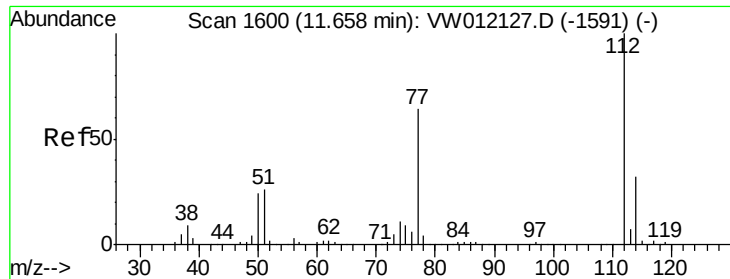
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#64
Tetrachloroethene
Concen: 20.481 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45008		
166	129.7	102.4	153.6	
129	96.3	75.8	113.6	
131	93.2	71.4	107.2	





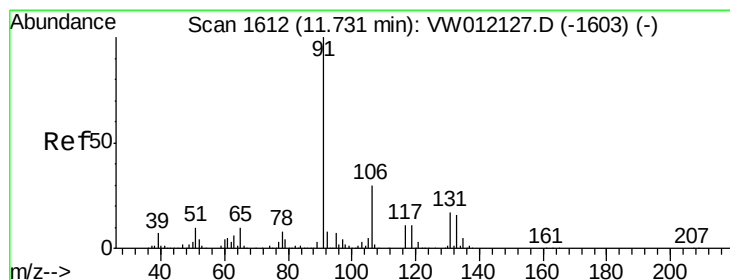
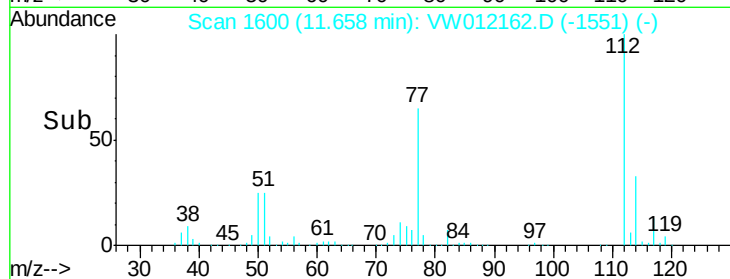
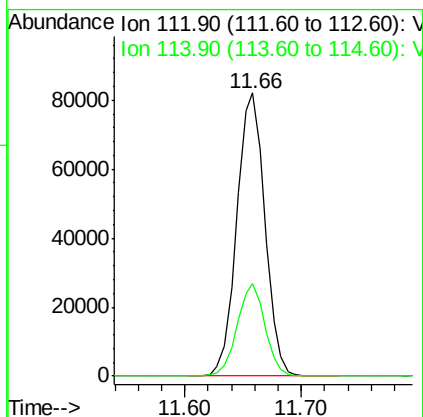
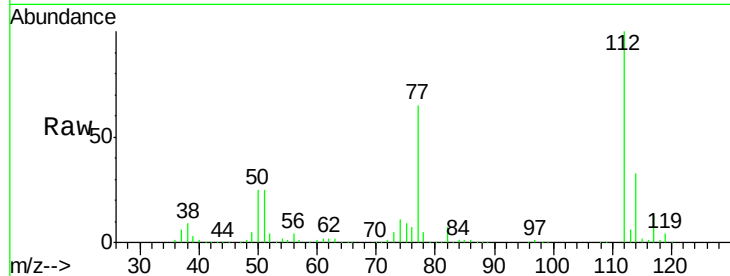
#65
Chlorobenzene
Concen: 20.713 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

Tot Ion:112 Resp: 138245
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.6

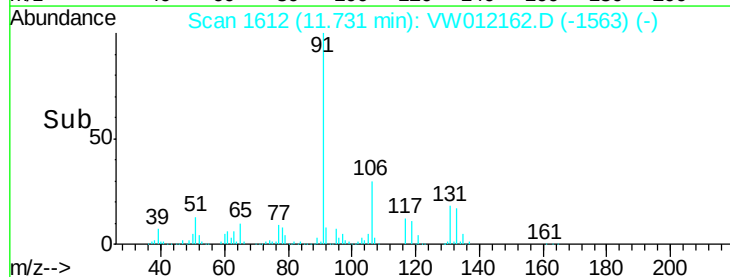
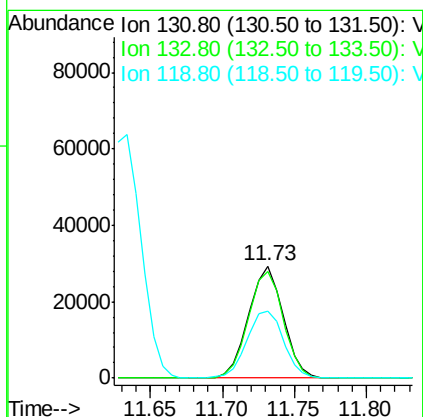
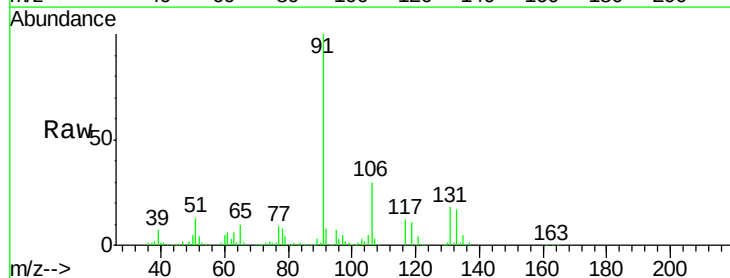
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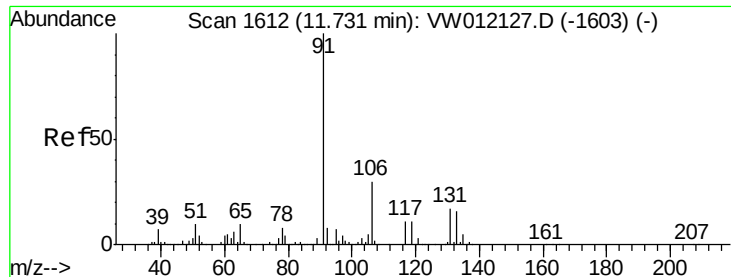
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.838 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion:131 Resp: 48520
Ion Ratio Lower Upper
131 100
133 96.5 47.1 141.3
119 63.6 31.8 95.3





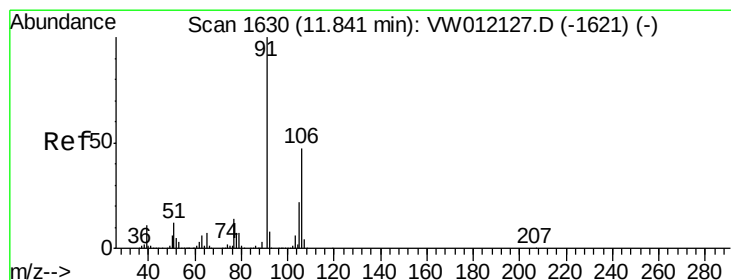
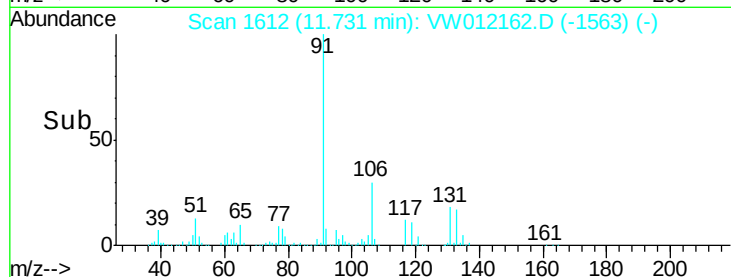
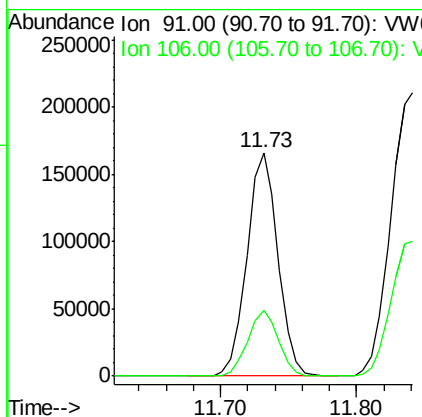
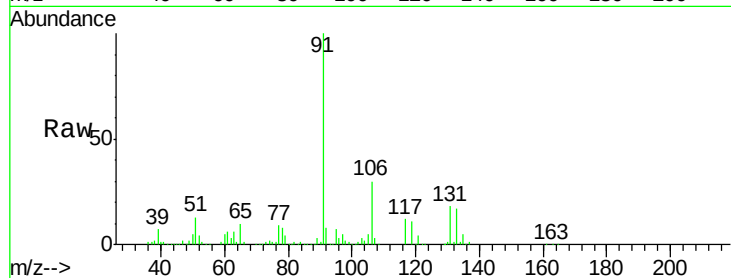
#67
Ethyl Benzene
Concen: 20.532 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

Tot Ion: 91 Resp: 263977
Ion Ratio Lower Upper
91 100
106 29.7 24.3 36.5

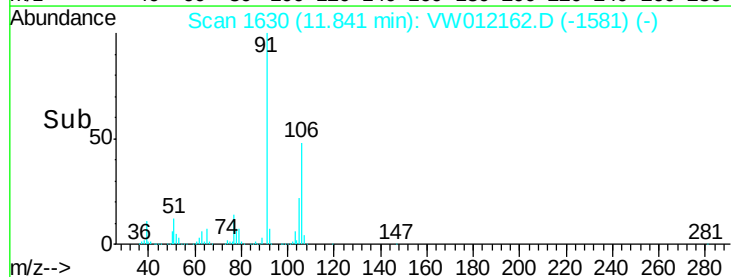
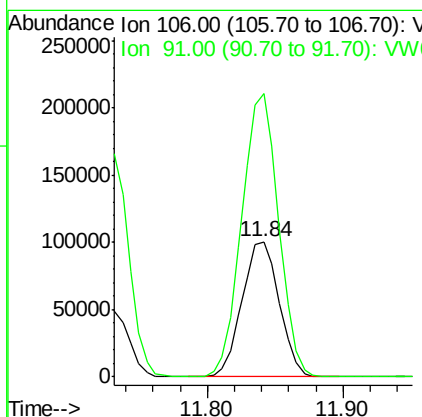
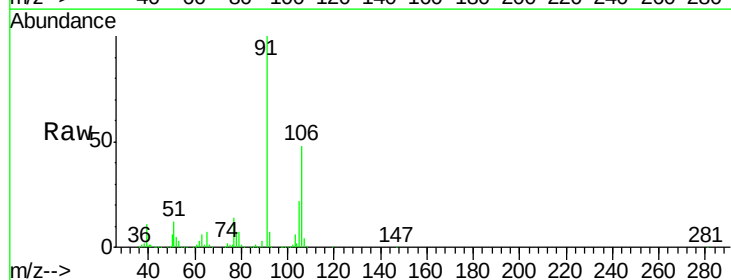
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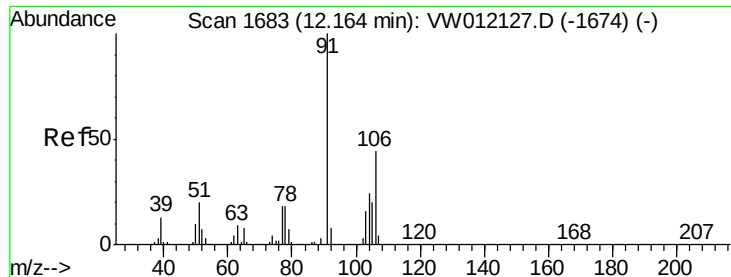
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#68
m/p-Xylenes
Concen: 41.487 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion: 106 Resp: 192135
Ion Ratio Lower Upper
106 100
91 207.3 169.5 254.3





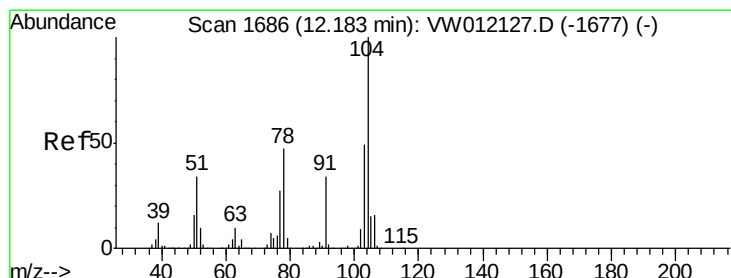
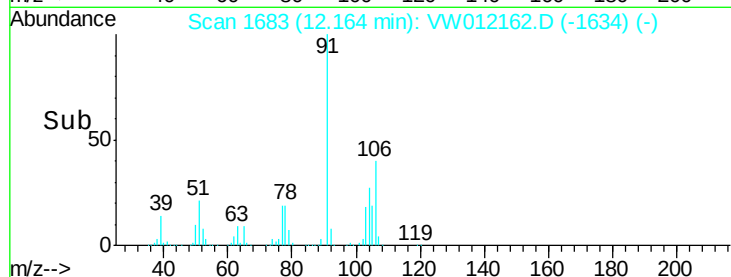
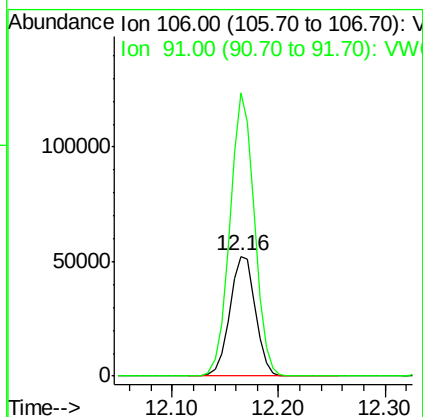
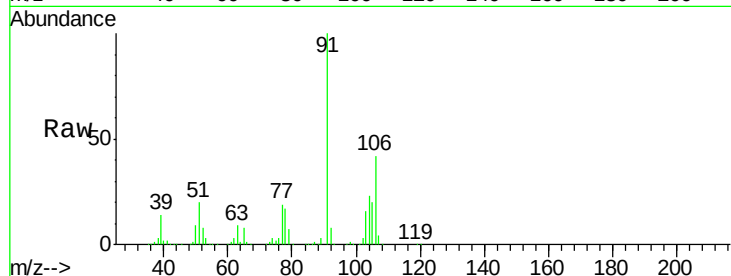
#69
o-Xylene
Concen: 20.482 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

Tot Ion:106 Resp: 87791
Ion Ratio Lower Upper
106 100
91 226.7 111.6 334.6

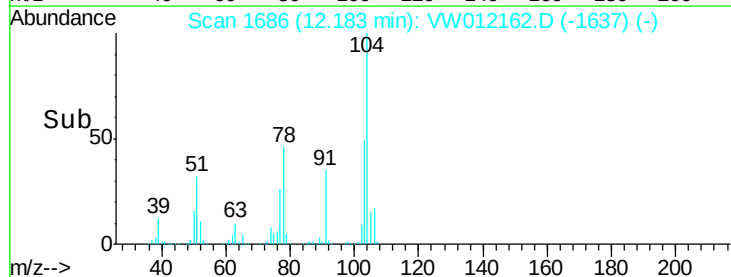
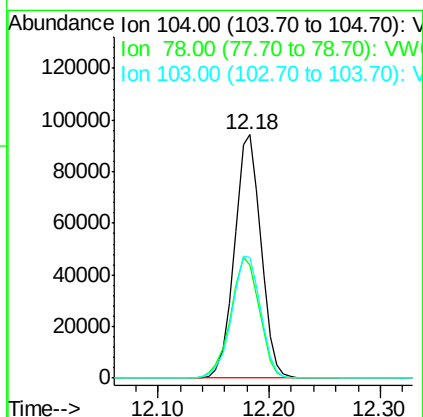
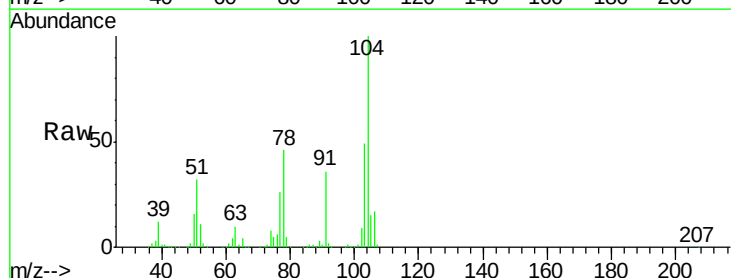
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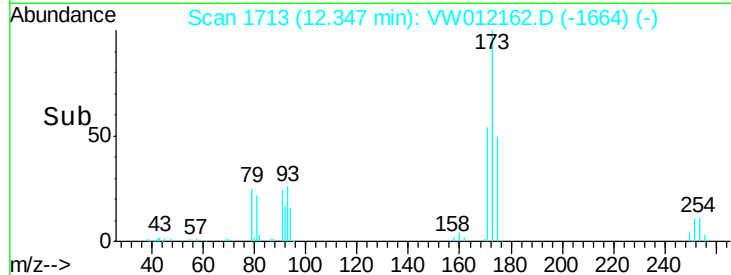
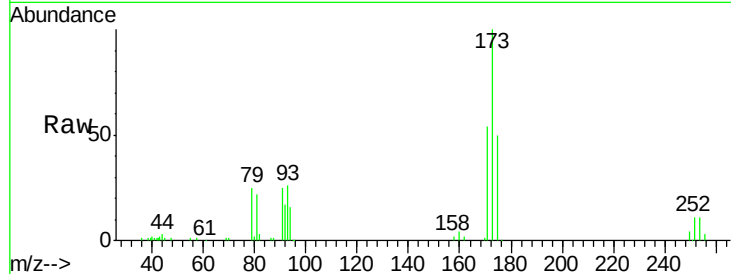
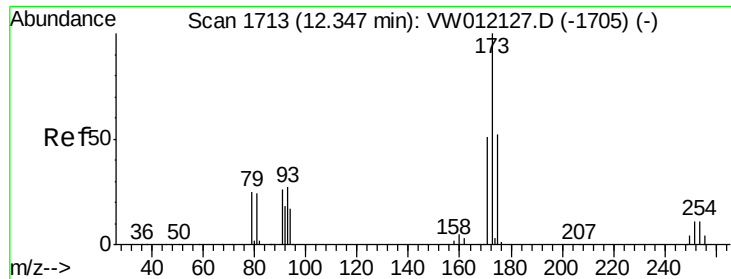
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#70
Styrene
Concen: 20.855 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion:104 Resp: 154728
Ion Ratio Lower Upper
104 100
78 54.0 43.1 64.7
103 54.8 43.5 65.3





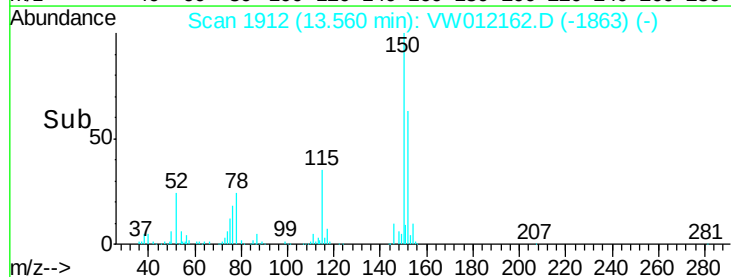
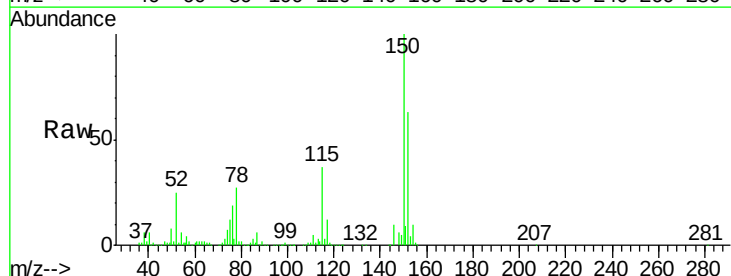
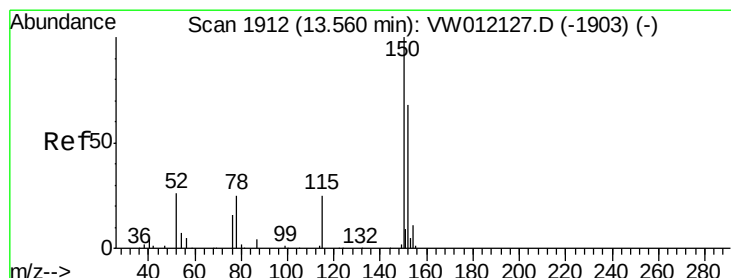
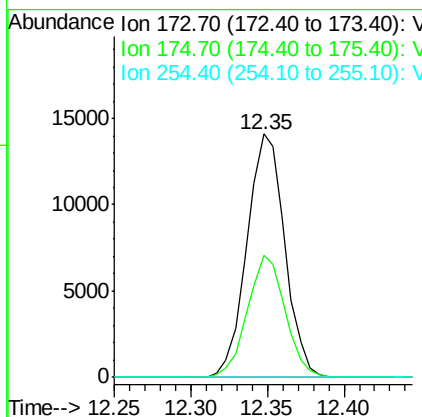
#71
Bromoform
Concen: 20.912 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.6	74.0
254	0.0	0.2	0.2

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

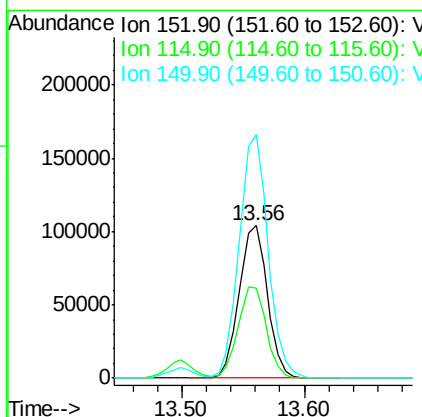
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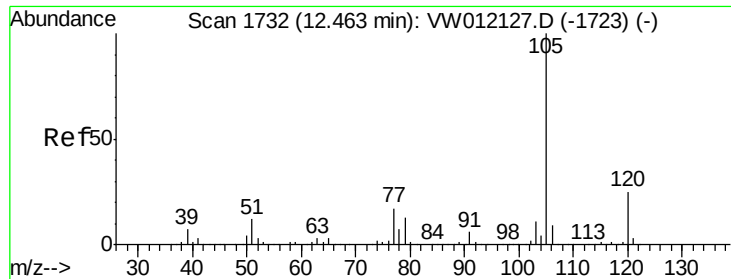
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.1	90.3
150	164.4	0.0	345.8





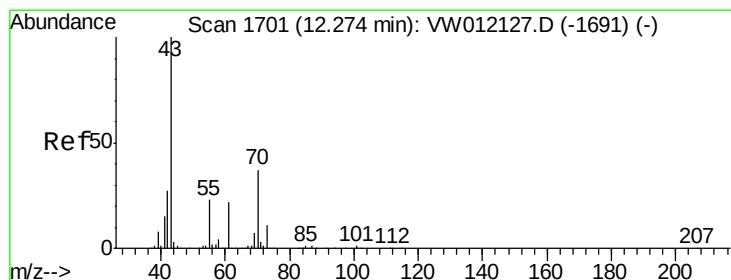
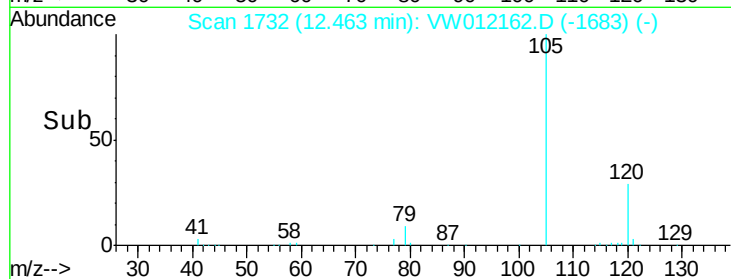
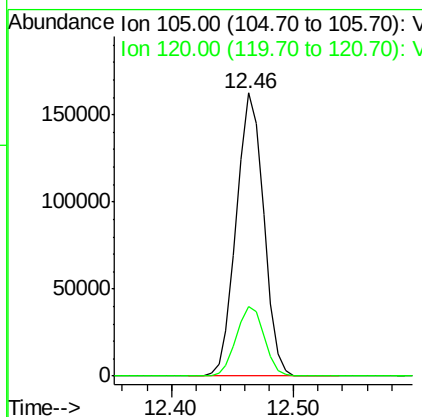
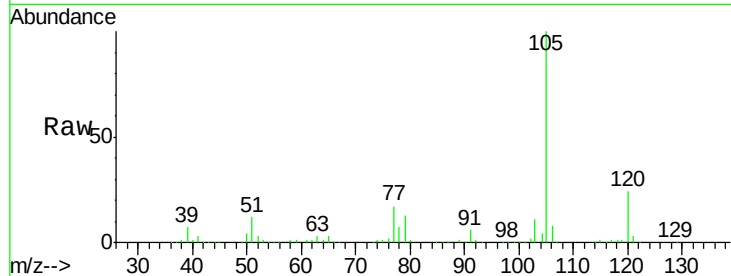
#73
Isopropylbenzene
Concen: 20.238 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampled :
VW0826SBS01

Tot Ion: 105 Resp: 251136
Ion Ratio Lower Upper
105 100
120 25.2 12.5 37.5

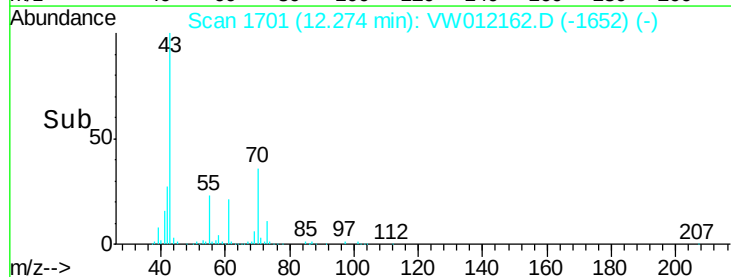
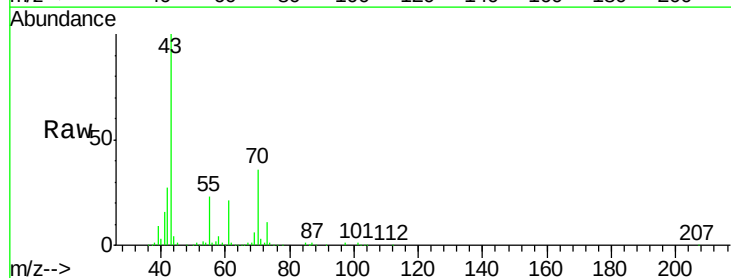
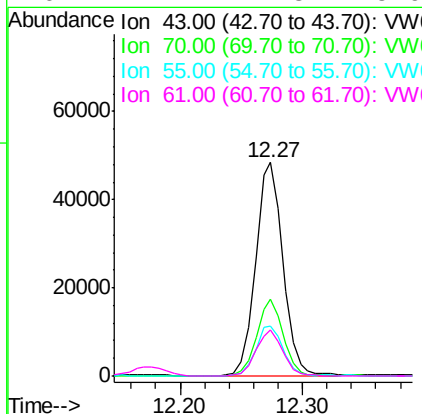
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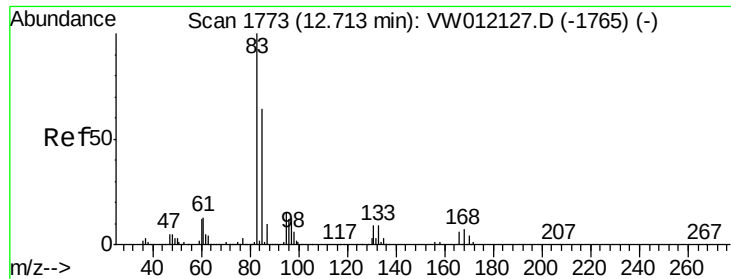
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#74
N-ethyl acetate
Concen: 20.195 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion: 43 Resp: 75712
Ion Ratio Lower Upper
43 100
70 34.6 28.6 43.0
55 23.8 17.8 26.6
61 21.1 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.793 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

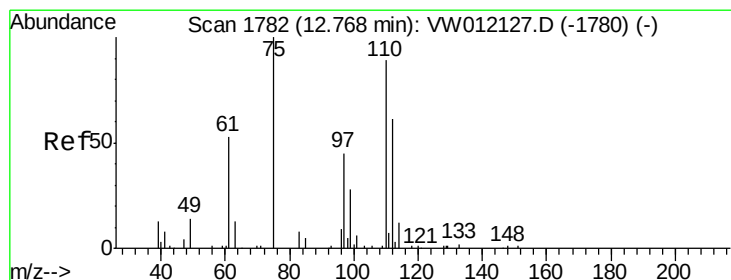
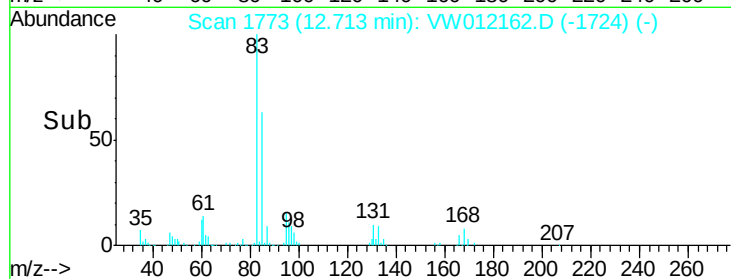
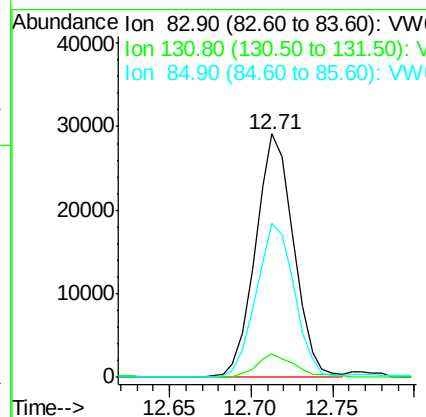
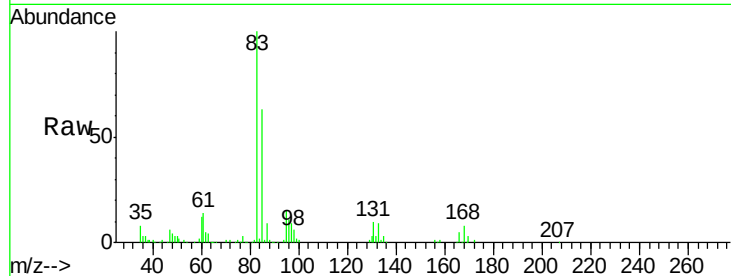
ClientSampleId :

VW0826SBSD01

Tot Ion:	83	Resp:	47302
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	63.7	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 23.853 ug/l m

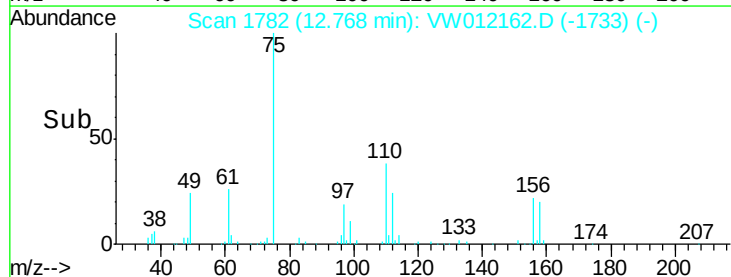
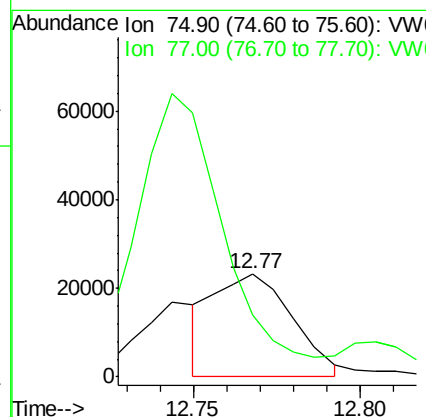
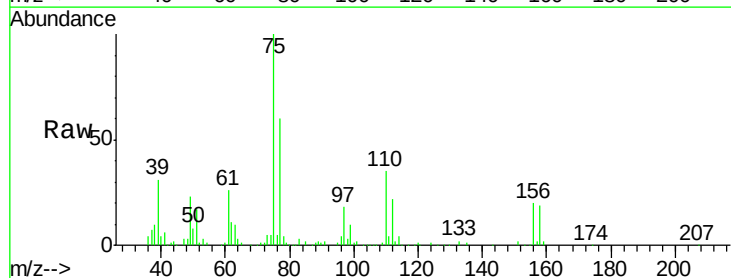
RT: 12.77 min Scan# 1782

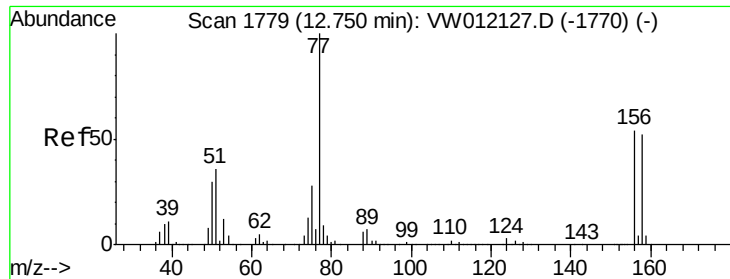
Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Tgt Ion:	75	Resp:	38472
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.236 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

Tot Ion:156 Resp: 54325

Ion Ratio Lower Upper

156 100

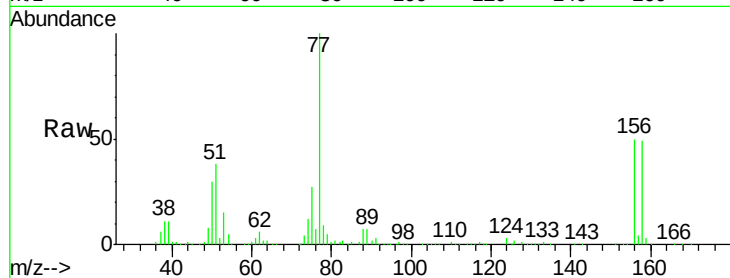
77 215.4 107.3 321.8

158 96.8 49.0 147.0

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MMDadoda

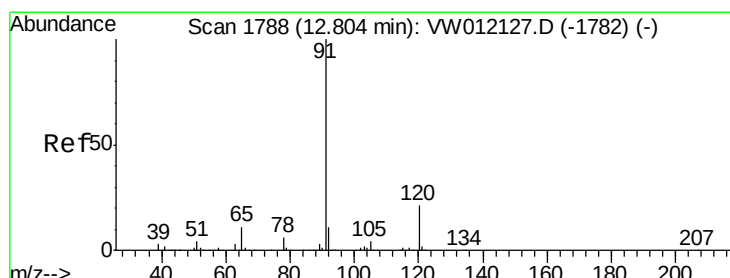
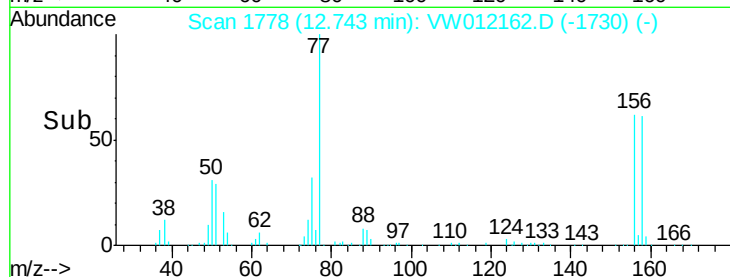
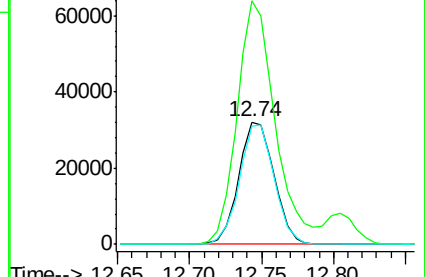
8/27/2019 11:04:07 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.259 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012162.D

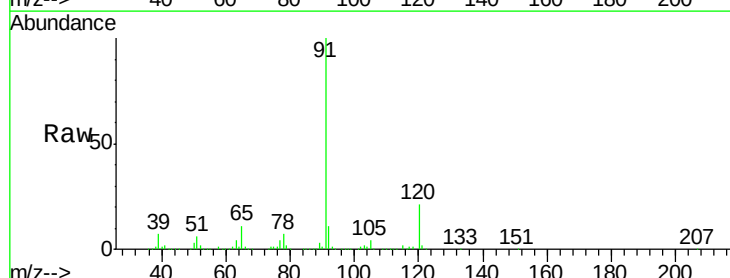
Acq: 26 Aug 2019 10:47

Tgt Ion: 91 Resp: 306893

Ion Ratio Lower Upper

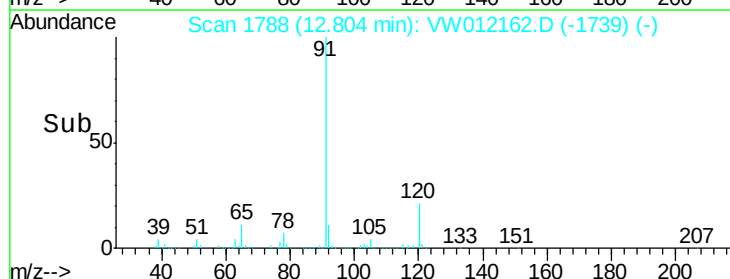
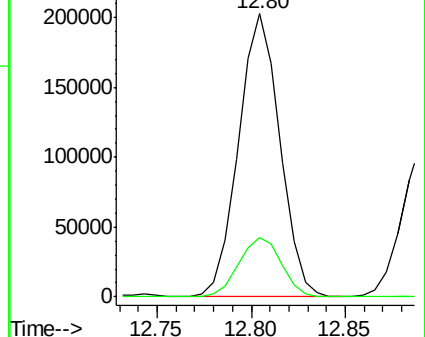
91 100

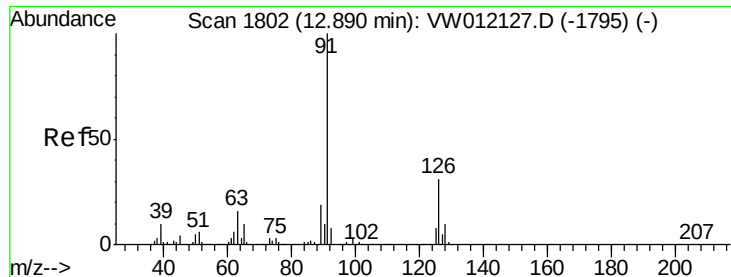
120 21.8 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.184 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

Tot Ion: 91 Resp: 173597

Ion Ratio Lower Upper

91 100

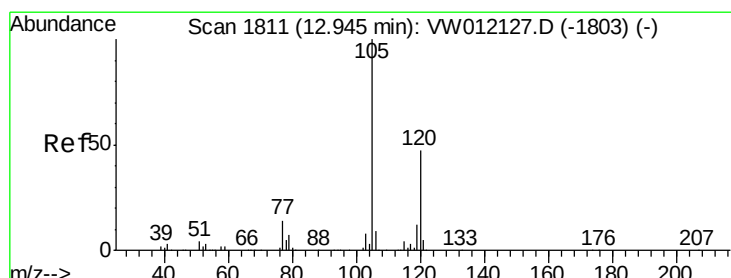
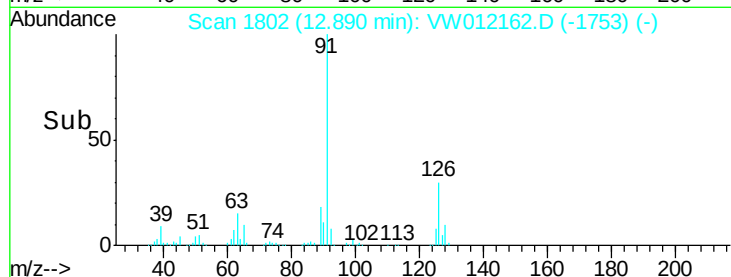
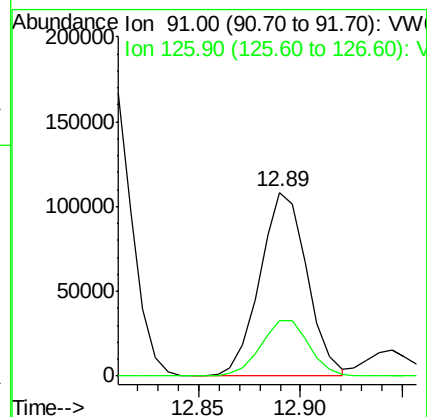
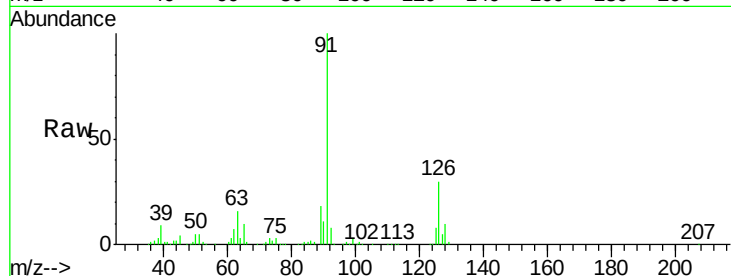
126 31.5 15.7 47.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.474 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012162.D

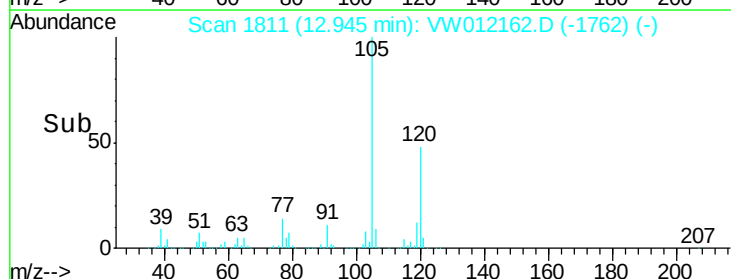
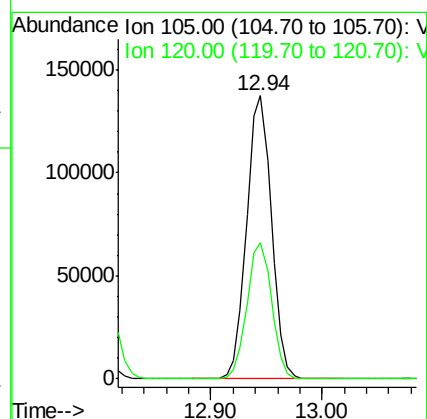
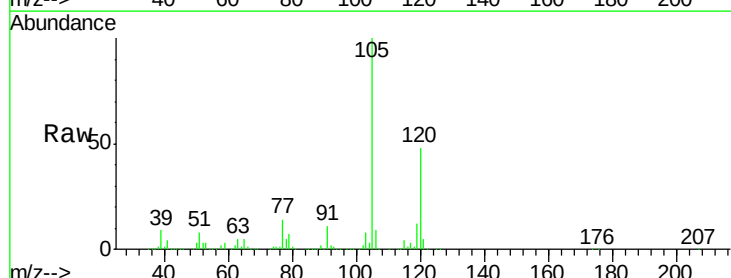
Acq: 26 Aug 2019 10:47

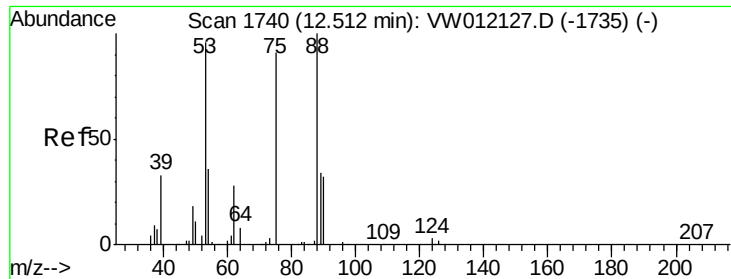
Tgt Ion: 105 Resp: 212296

Ion Ratio Lower Upper

105 100

120 48.4 24.0 72.0





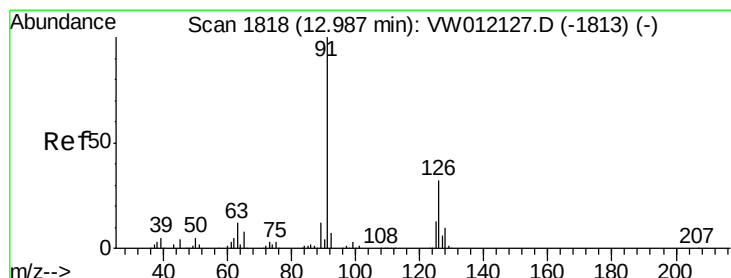
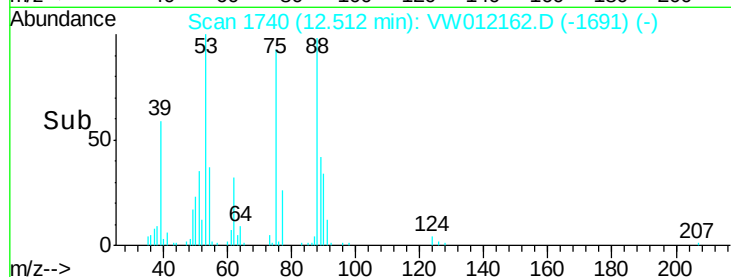
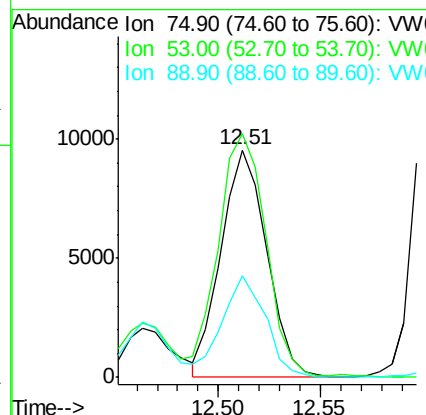
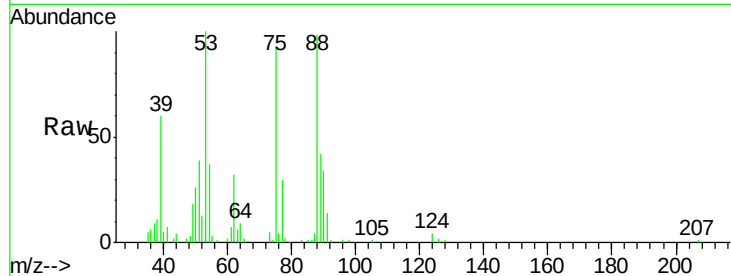
#81
trans-1,4-Dichloro-2-butene
Concen: 20.136 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.5	89.4	134.0
89	42.4	34.5	51.7

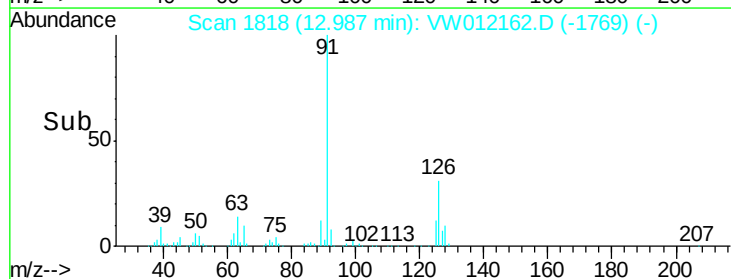
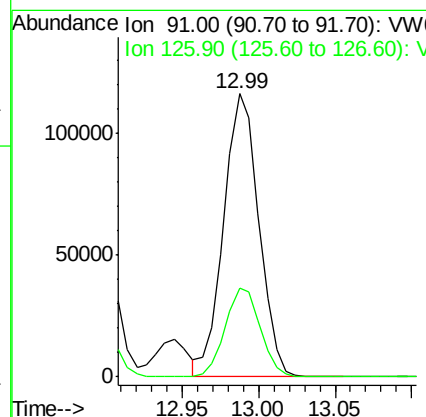
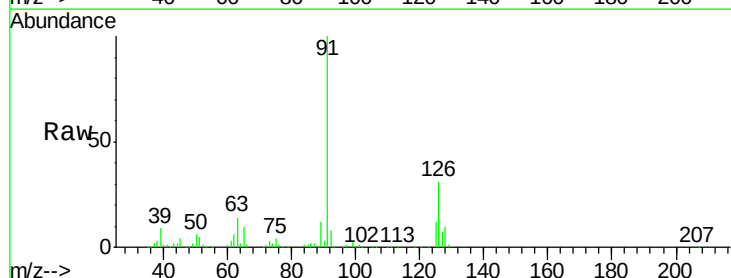
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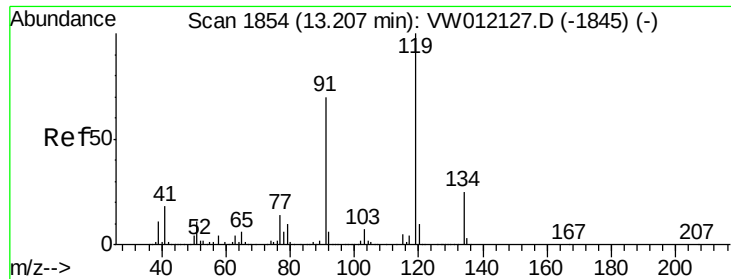
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#82
4-Chlorotoluene
Concen: 20.465 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.6	46.8





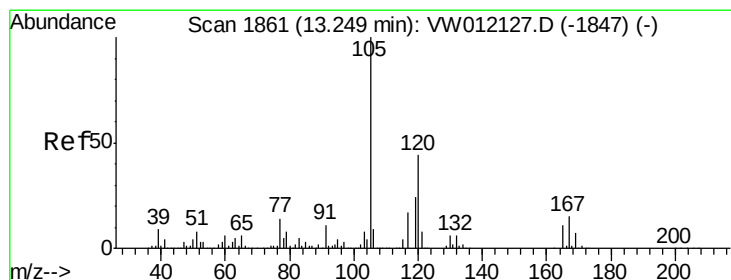
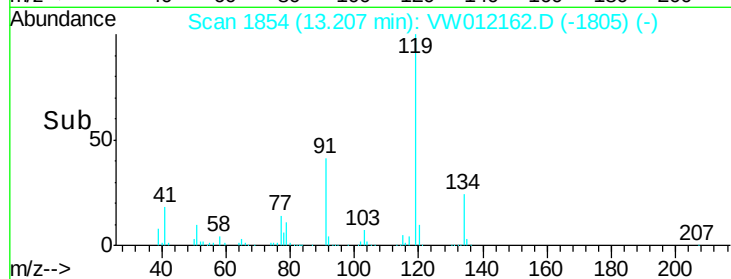
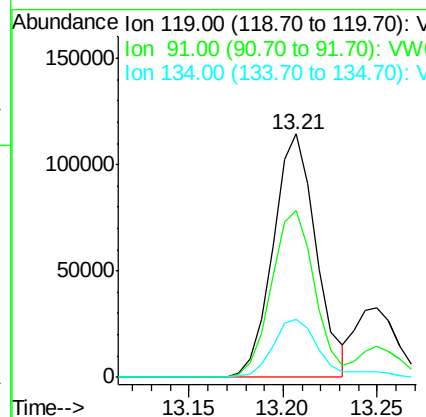
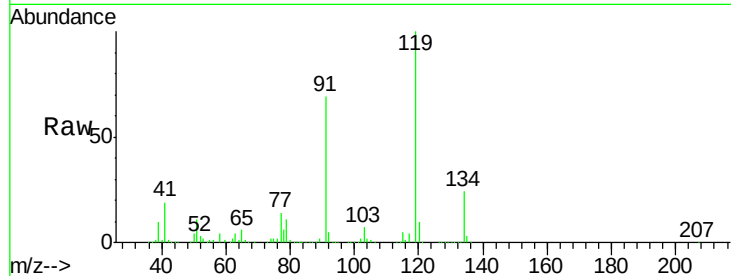
#83
 tert-Butylbenzene
 Concen: 20.582 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.8	104.3
134	24.8	13.3	39.8

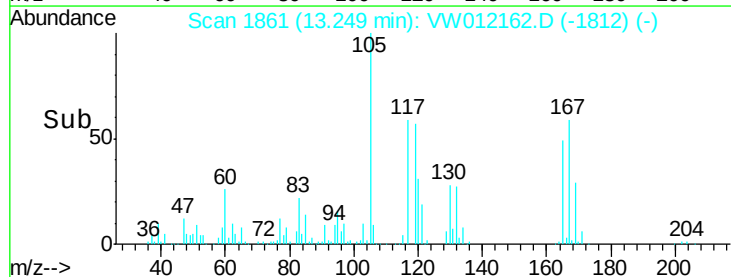
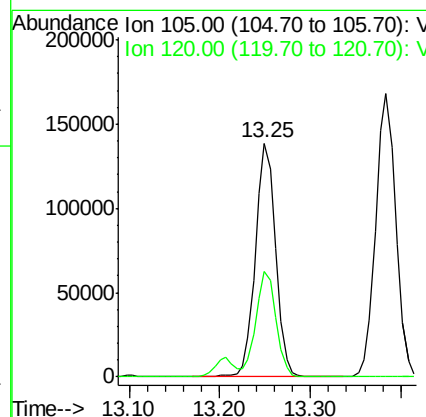
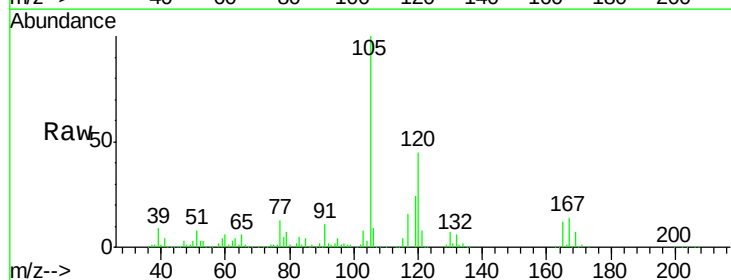
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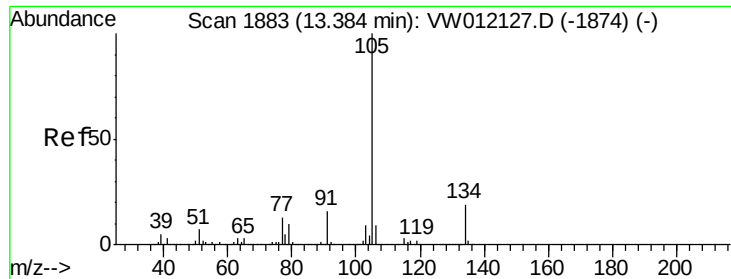
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.585 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.9	65.7





#85

sec-Butylbenzene

Concen: 20.537 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS01

Tot Ion:105 Resp: 258425

Ion Ratio Lower Upper

105 100

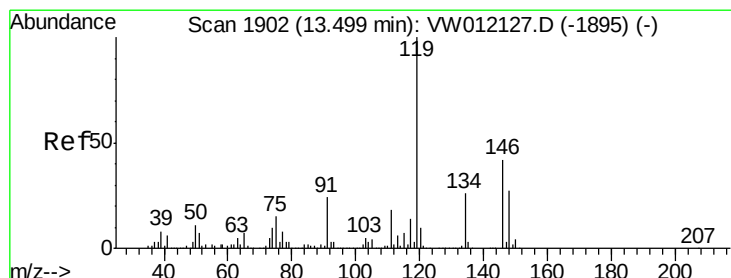
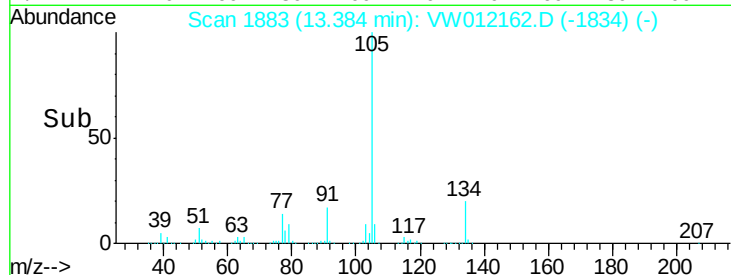
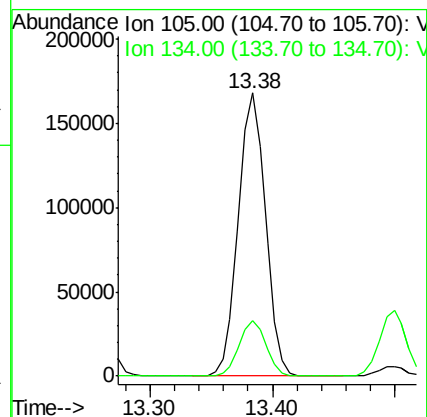
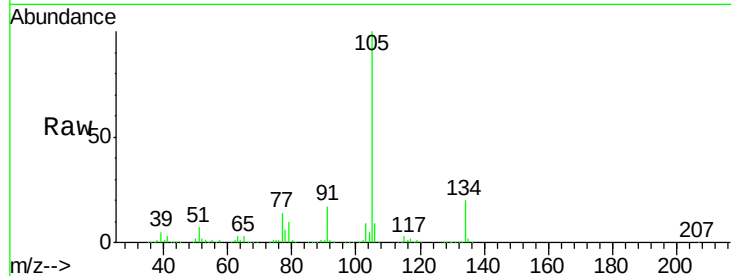
134 19.5 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 20.538 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

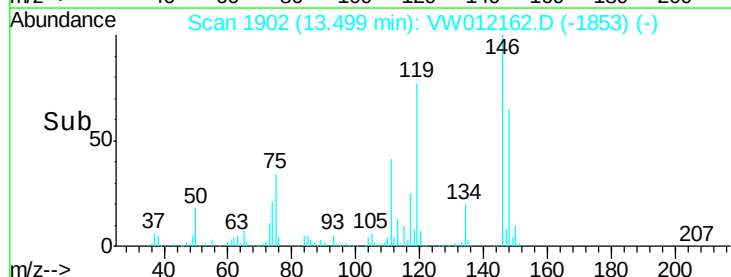
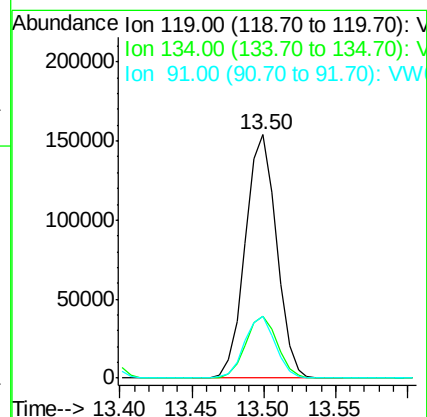
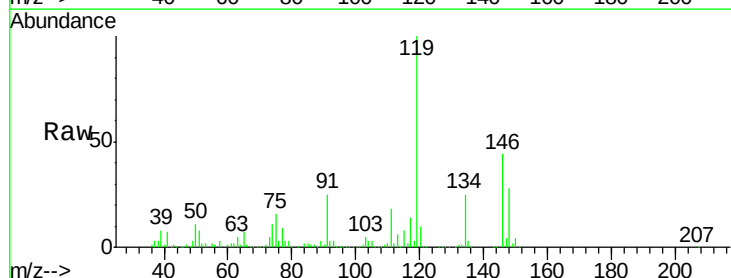
Tgt Ion:119 Resp: 230804

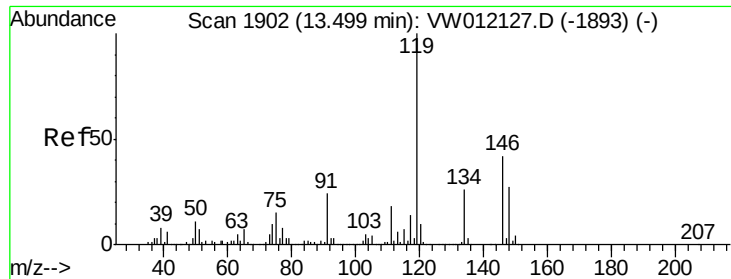
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 24.9 12.3 36.9





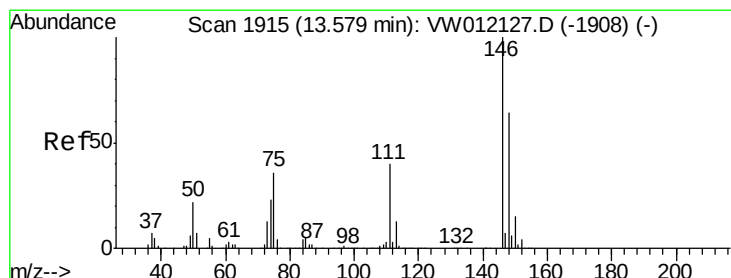
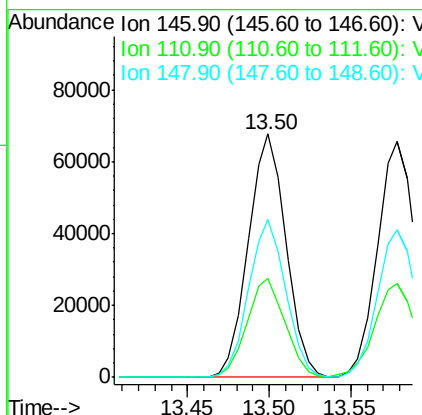
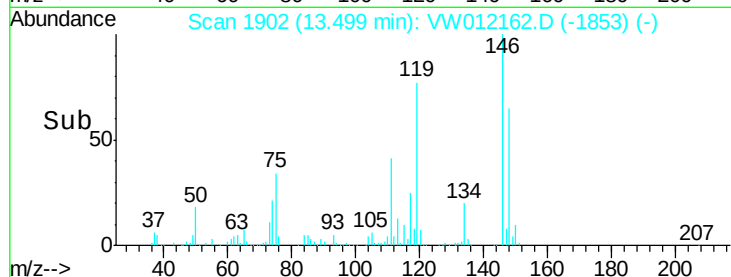
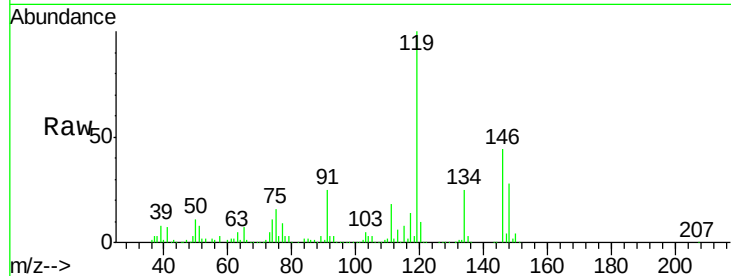
#87
 1,3-Dichlorobenzene
 Concen: 20.693 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	108657		
111	40.9	20.9	62.7	
148	63.8	32.2	96.6	

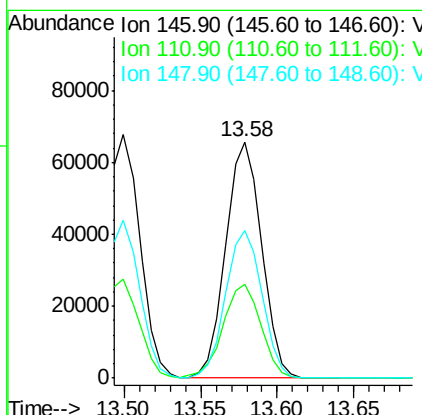
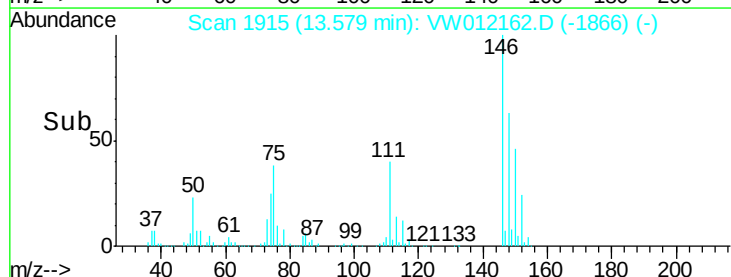
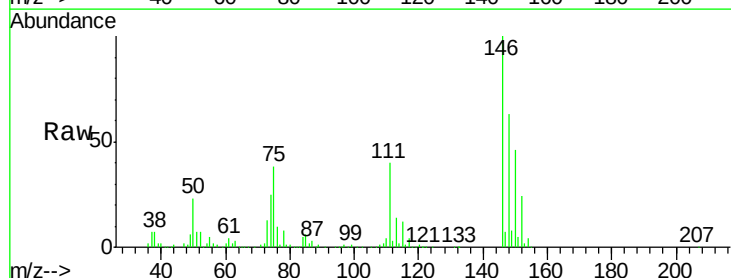
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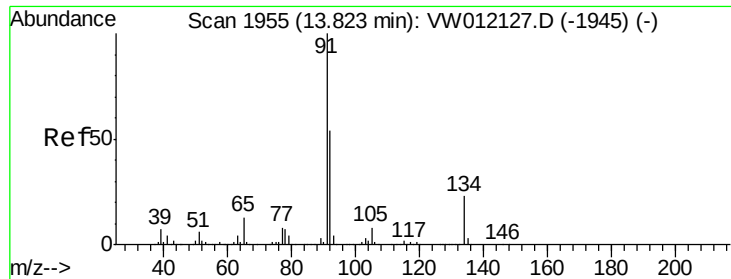
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#88
 1,4-Dichlorobenzene
 Concen: 20.485 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	106803		
111	42.0	20.0	60.0	
148	63.6	32.1	96.3	





#89

n-Butylbenzene

Concen: 20.674 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

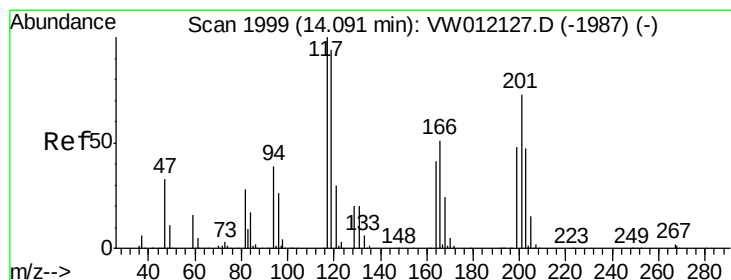
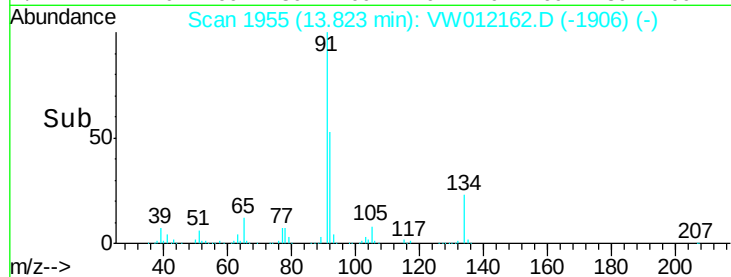
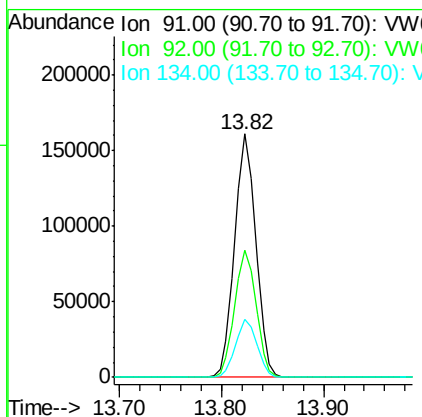
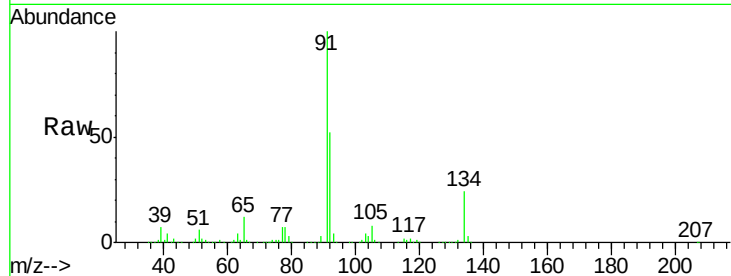
ClientSampleId :

VW0826SBS01

Tot Ion:	91	Resp:	231037
Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.1	81.2
134	23.9	12.2	36.4

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#90

Hexachloroethane

Concen: 20.744 ug/l

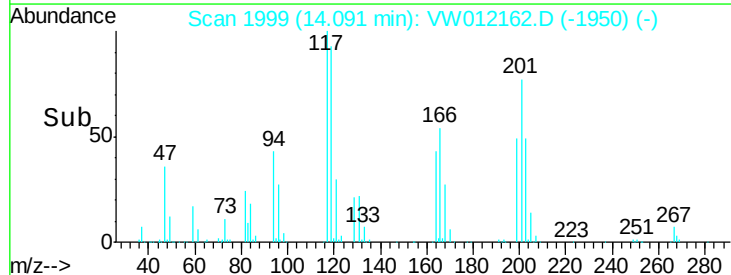
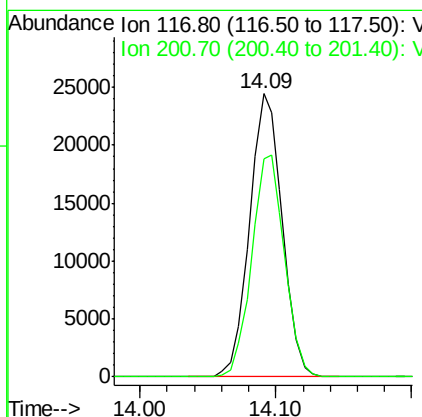
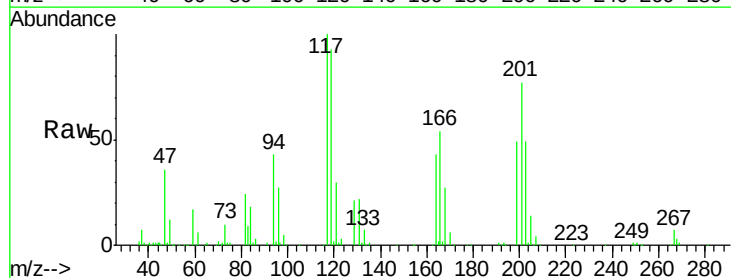
RT: 14.09 min Scan# 1999

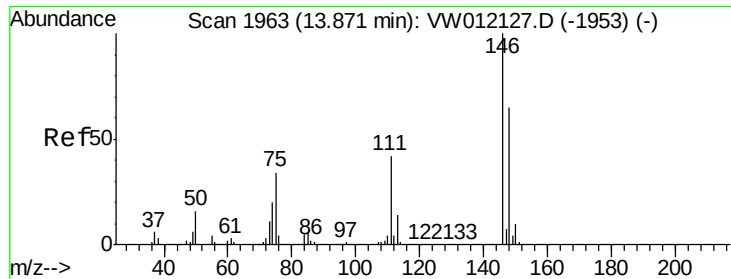
Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Tgt Ion:	117	Resp:	40900
Ion	Ratio	Lower	Upper
117	100		
201	78.9	38.6	115.7





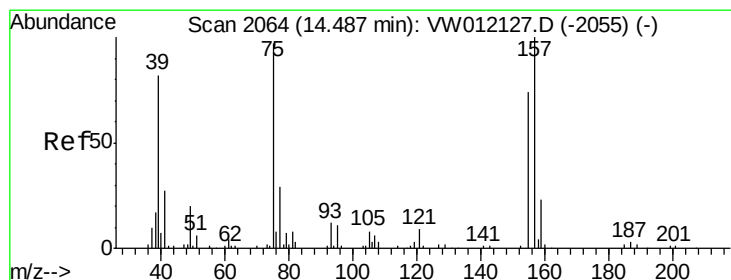
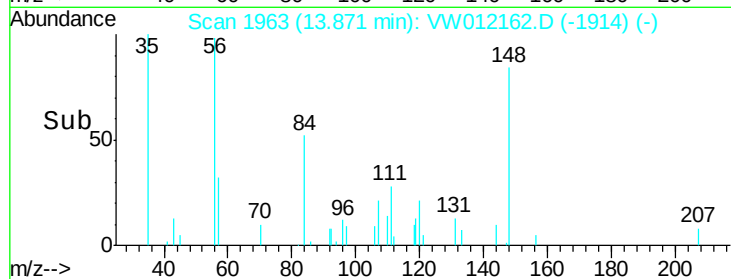
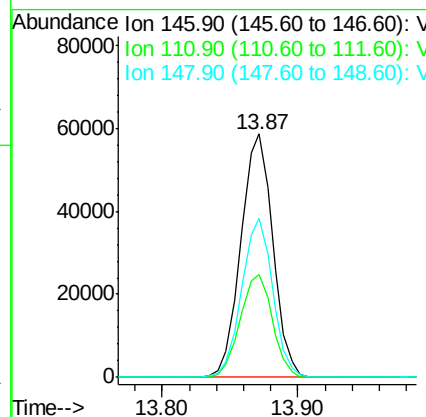
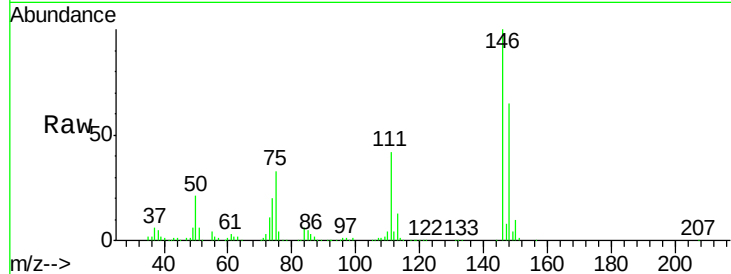
#91
 1,2-Dichlorobenzene
 Concen: 20.858 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.2	63.6
148	63.5	32.5	97.4

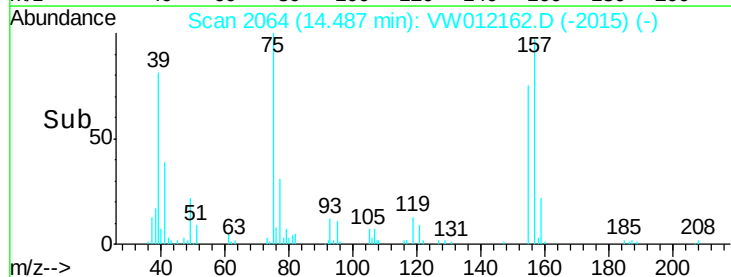
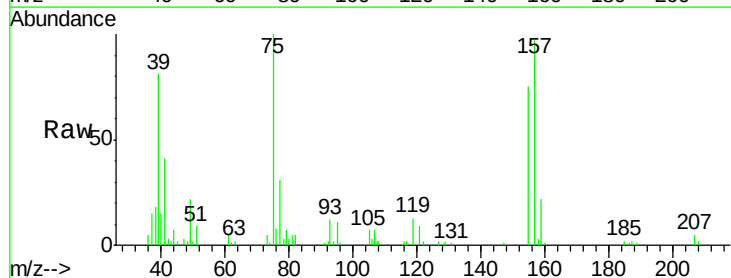
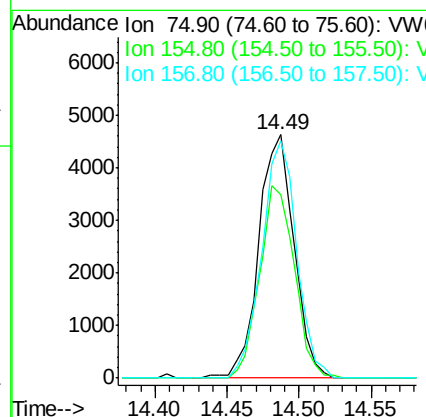
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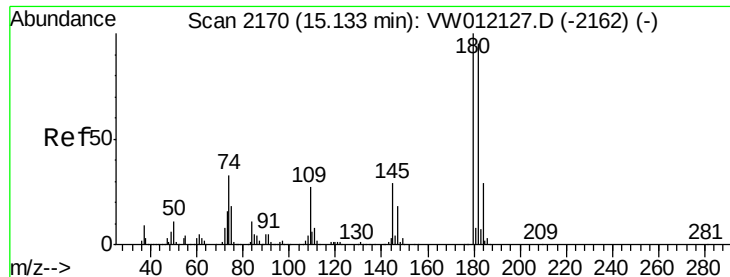
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.364 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	37.5	112.3
157	96.7	50.5	151.5





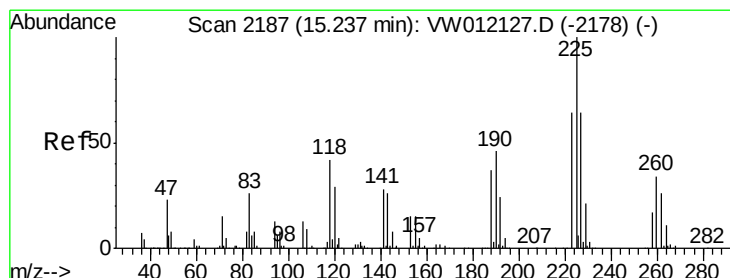
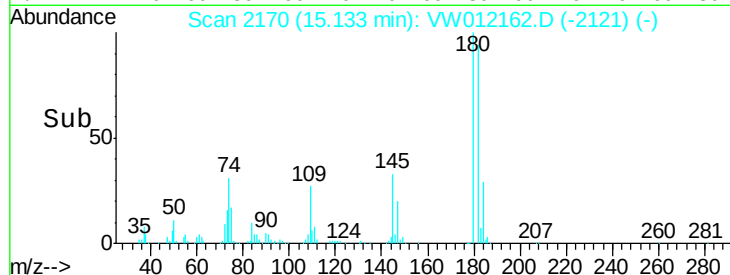
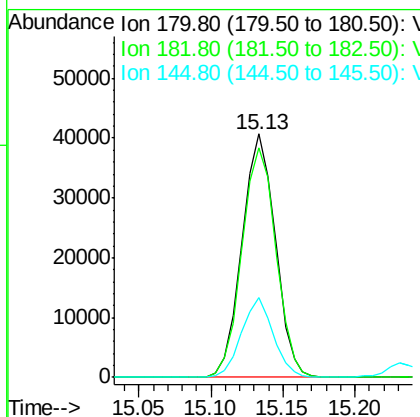
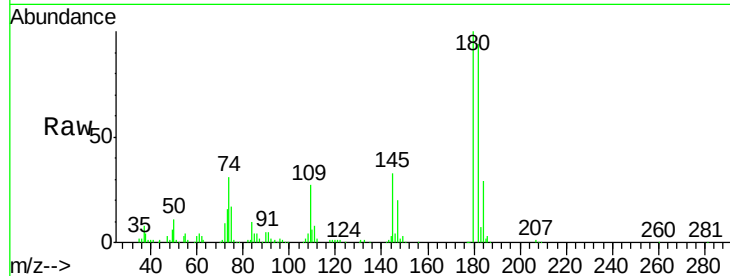
#93
 1,2,4-Trichlorobenzene
 Concen: 20.534 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	65366		
182	96.2	47.8	143.4	
145	31.1	15.0	45.1	

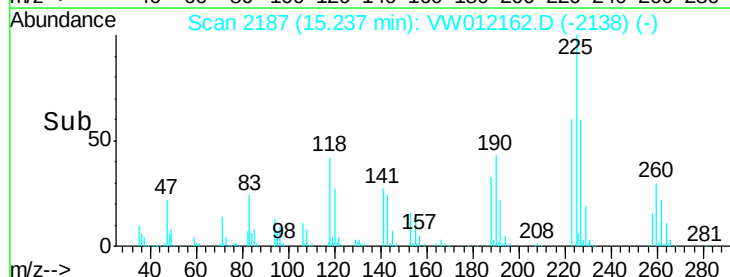
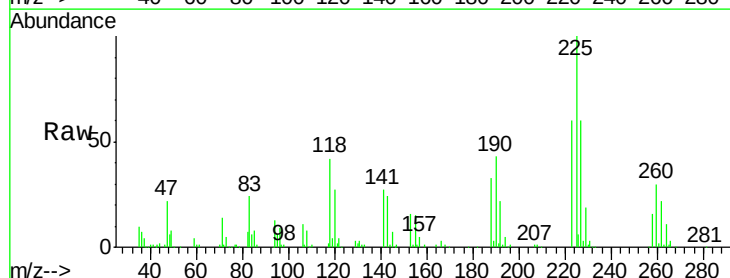
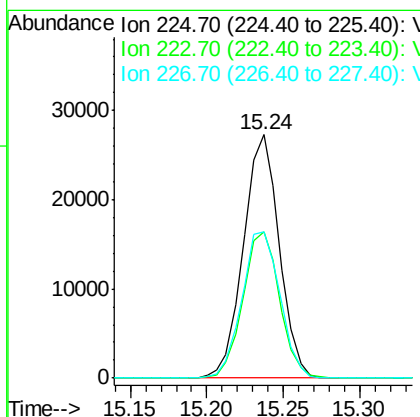
Manual Integrations
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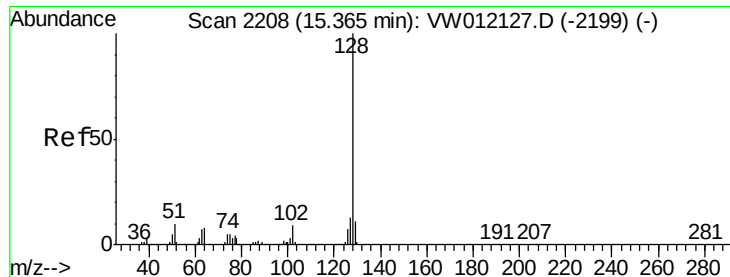
MMDadoda
 8/27/2019 11:04:07 AM



#94
 Hexachlorobutadiene
 Concen: 21.053 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44252		
223	61.6	32.3	96.8	
227	64.1	32.9	98.6	





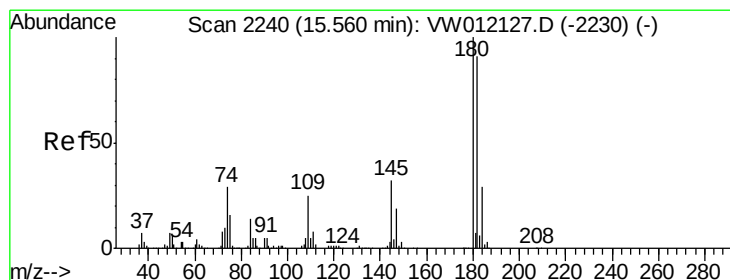
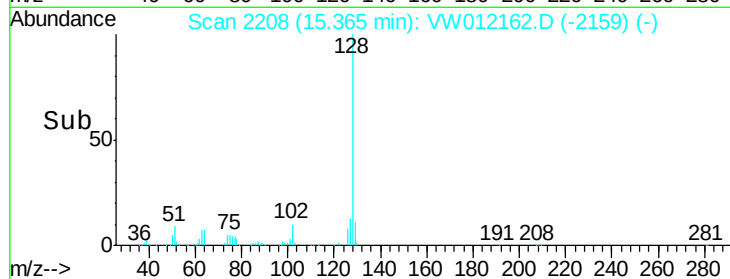
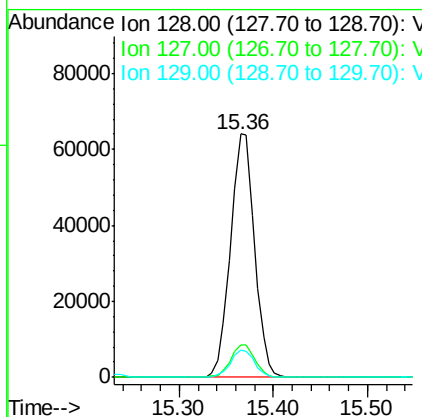
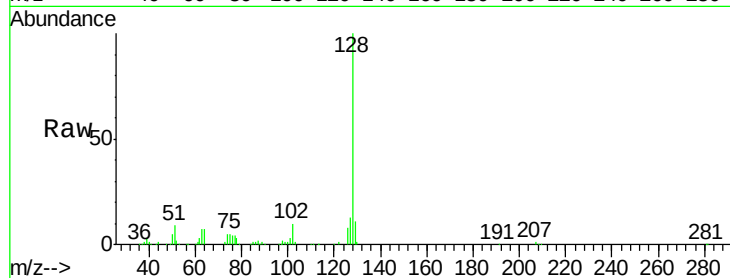
#95
Naphthalene
Concen: 20.975 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.5	10.7	16.1	
129	11.2	8.7	13.1	

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 21.032 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.1	141.3	
145	32.0	16.2	48.5	

