

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090219\
 Data File : VW012514.D
 Acq On : 02 Sep 2019 22:55
 Operator : SY/VA
 Sample : VW0902SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:55:58 AM

Quant Time: Sep 03 07:58:12 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	191165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	300369	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	262957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127706	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	121324	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
35) Dibromofluoromethane	7.88	113	93271	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
50) Toluene-d8	10.32	98	372884	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.62	95	134483	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	18328	15.571	ug/l	94
3) Chloromethane	2.21	50	31280	17.153	ug/l	99
4) Vinyl Chloride	2.36	62	36217	16.226	ug/l	97
5) Bromomethane	2.76	94	19743	17.465	ug/l	93
6) Chloroethane	2.92	64	21325	16.936	ug/l	96
7) Trichlorofluoromethane	3.25	101	19383	17.294	ug/l	94
8) Diethyl Ether	3.68	74	22844	21.473	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	36975	19.409	ug/l	96
10) Methyl Iodide	4.26	142	49045	19.027	ug/l	99
11) Tert butyl alcohol	5.18	59	17870	130.670	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	35853	18.698	ug/l	99
13) Acrolein	3.89	56	10465	81.293	ug/l	98
14) Allyl chloride	4.67	41	78437	19.134	ug/l	100
15) Acrylonitrile	5.36	53	64768	122.830	ug/l	99
16) Acetone	4.12	43	55489	95.523	ug/l	95
17) Carbon Disulfide	4.38	76	86329	14.897	ug/l	98
18) Methyl Acetate	4.67	43	36818	25.590	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	74953	24.172	ug/l	99
20) Methylene Chloride	4.91	84	42193	19.213	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	38273	18.613	ug/l	98
22) Diisopropyl ether	6.31	45	161160	21.210	ug/l	99
23) Vinyl Acetate	6.25	43	500317	106.993	ug/l	98
24) 1,1-Dichloroethane	6.21	63	84335	20.385	ug/l	99
25) 2-Butanone	7.17	43	89746	113.693	ug/l	100
26) 2,2-Dichloropropane	7.16	77	44497	19.002	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	45462	20.694	ug/l	97
28) Bromochloromethane	7.51	49	37912	21.025	ug/l	94
29) Tetrahydrofuran	7.52	42	57989	122.446	ug/l	97
30) Chloroform	7.67	83	78845	20.830	ug/l	99
31) Cyclohexane	7.95	56	71822	17.547	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	62103	20.740	ug/l	99
36) 1,1-Dichloropropene	8.08	75	60882	19.614	ug/l	99
37) Ethyl Acetate	7.25	43	42380	24.916	ug/l	100
38) Carbon Tetrachloride	8.06	117	54894	20.433	ug/l	95

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	65060	18.658	ug/l	97
40) Benzene	8.32	78	170973	20.172	ug/l	100
41) Methacrylonitrile	7.48	41	26083	26.091	ug/l	94
42) 1,2-Dichloroethane	8.40	62	58523	22.032	ug/l	99
43) Isopropyl Acetate	8.42	43	74222	23.558	ug/l	98
44) Trichloroethene	9.09	130	42230	20.496	ug/l	96
45) 1,2-Dichloropropane	9.37	63	46960	20.587	ug/l	99
46) Dibromomethane	9.46	93	22259	21.932	ug/l	96
47) Bromodichloromethane	9.64	83	58216	21.553	ug/l	95
48) Methyl methacrylate	9.43	41	35162	23.448	ug/l	97
49) 1,4-Dioxane	9.46	88	7930	510.395	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	197532	123.263	ug/l	100
52) Toluene	10.38	92	105590	20.738	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	59725	21.707	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	68188	20.525	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	33157	23.091	ug/l	95
56) Ethyl methacrylate	10.65	69	49199	23.541	ug/l	99
57) 1,3-Dichloropropane	10.93	76	62386	22.990	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	124479	116.055	ug/l	99
59) 2-Hexanone	10.97	43	132066	116.472	ug/l	99
60) Dibromochloromethane	11.13	129	36423	22.773	ug/l	99
61) 1,2-Dibromoethane	11.23	107	30920	23.113	ug/l	100
64) Tetrachloroethene	10.86	164	36461	21.387	ug/l	97
65) Chlorobenzene	11.66	112	107897	20.838	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	40049	22.171	ug/l	99
67) Ethyl Benzene	11.73	91	205334	20.586	ug/l	100
68) m/p-Xylenes	11.84	106	147681	41.104	ug/l	100
69) o-Xylene	12.16	106	70231	21.120	ug/l	99
70) Styrene	12.18	104	121901	21.179	ug/l	99
71) Bromoform	12.35	173	21412	23.792	ug/l #	99
73) Isopropylbenzene	12.46	105	201770	21.085	ug/l	99
74) N-amyl acetate	12.27	43	64908	22.451	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	41685	23.761	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	27074m	21.768	ug/l	
77) Bromobenzene	12.74	156	44608	21.548	ug/l	99
78) n-propylbenzene	12.80	91	239625	20.512	ug/l	99
79) 2-Chlorotoluene	12.89	91	136163	20.530	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	167341	20.928	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12568	22.155	ug/l	97
82) 4-Chlorotoluene	12.99	91	142724	20.552	ug/l	99
83) tert-Butylbenzene	13.21	119	148186	21.878	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	165773	20.639	ug/l	98
85) sec-Butylbenzene	13.38	105	201553	20.770	ug/l	100
86) p-Isopropyltoluene	13.50	119	180983	20.884	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	85841	21.199	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	84015	20.896	ug/l	98
89) n-Butylbenzene	13.82	91	171421	19.891	ug/l	100
90) Hexachloroethane	14.09	117	31570	20.764	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	78108	21.988	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7421	25.092	ug/l	98

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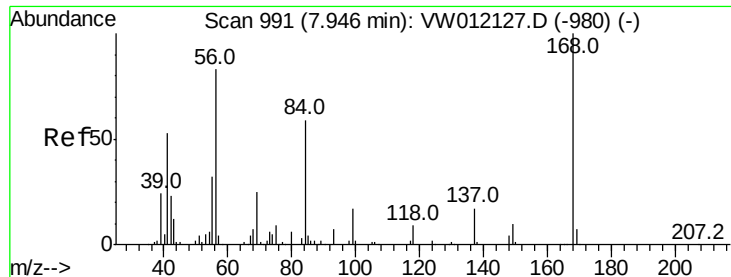
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	52446	21.365	ug/l	97
94) Hexachlorobutadiene	15.24	225	33625	20.745	ug/l	100
95) Naphthalene	15.36	128	101843	23.636	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	47942	22.384	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: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBS02

Tot Ion:168 Resp: 191165

Ion Ratio Lower Upper

168 100

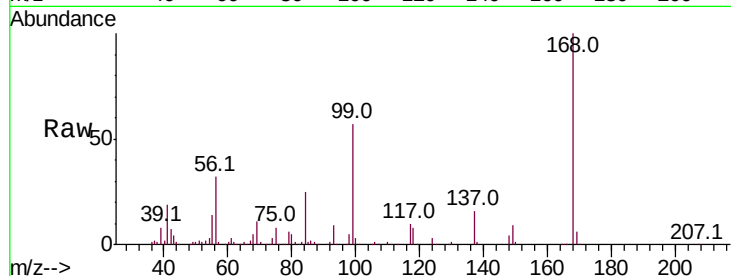
99 56.7 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

100000

80000

60000

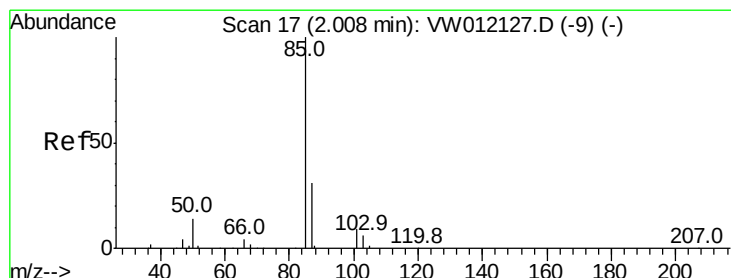
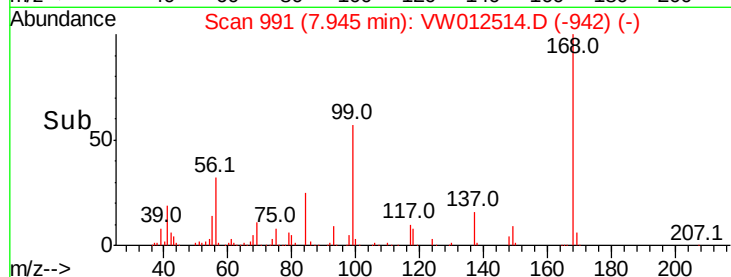
40000

20000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.571 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012514.D

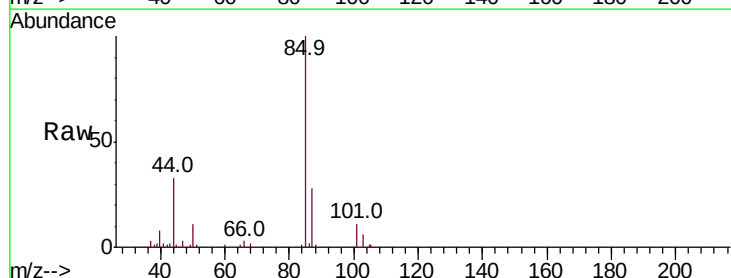
Acq: 02 Sep 2019 22:55

Tgt Ion: 85 Resp: 18328

Ion Ratio Lower Upper

85 100

87 28.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

8000

6000

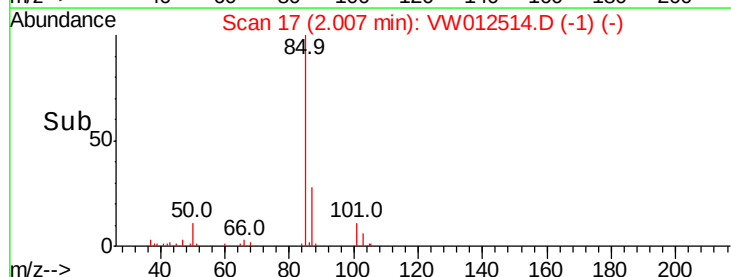
4000

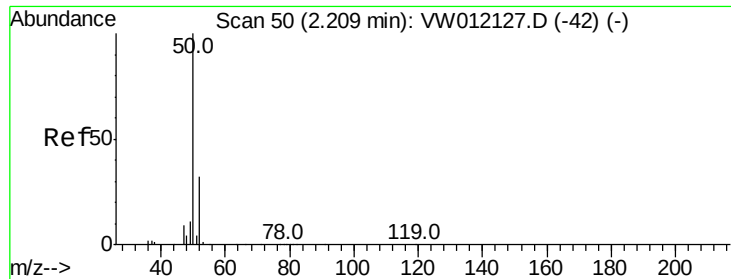
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 17.153 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBS02

Tot Ion: 50 Resp: 31280

Ion Ratio Lower Upper

50 100

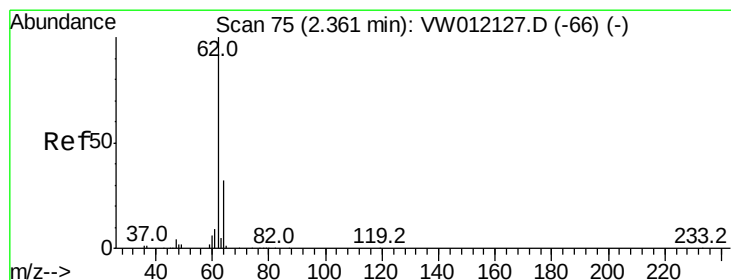
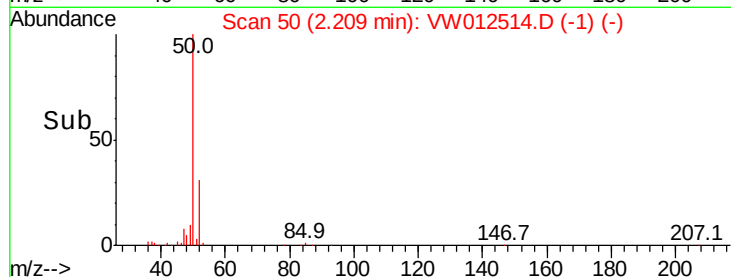
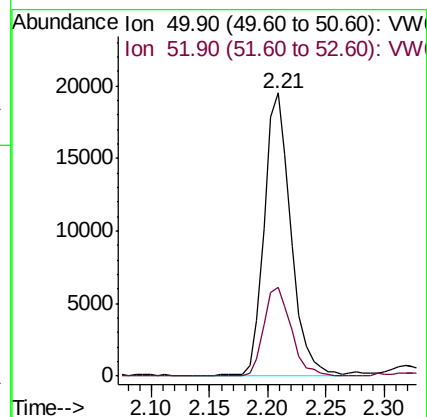
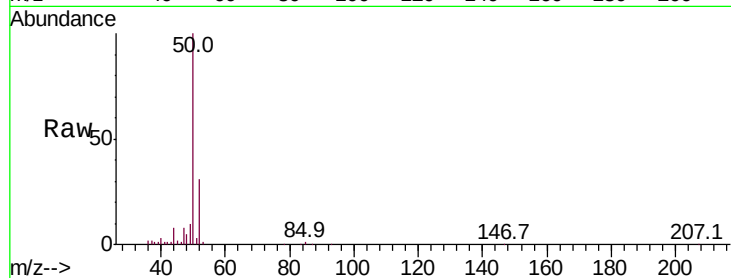
52 31.5 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.226 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012514.D

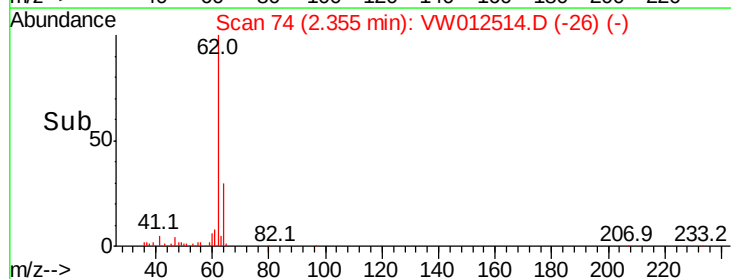
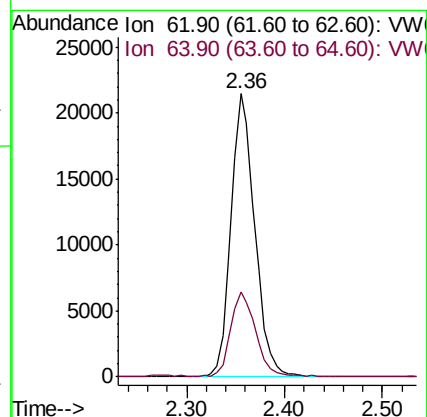
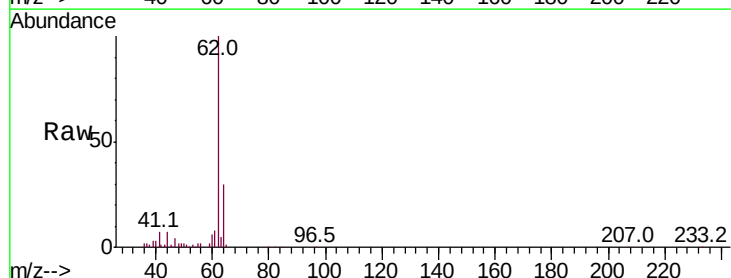
Acq: 02 Sep 2019 22:55

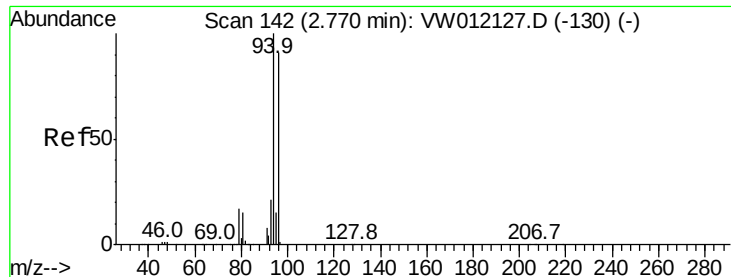
Tgt Ion: 62 Resp: 36217

Ion Ratio Lower Upper

62 100

64 29.9 25.3 37.9





#5

Bromomethane

Concen: 17.465 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBS02

Tot Ion: 94 Resp: 19743

Ion Ratio Lower Upper

94 100

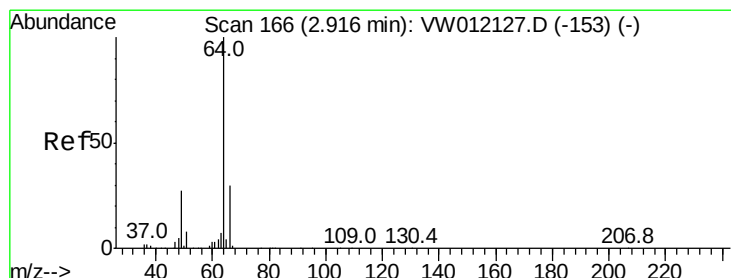
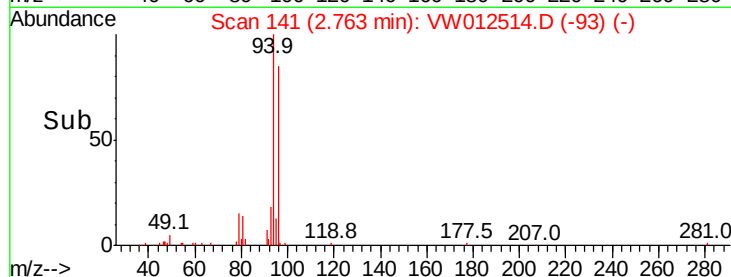
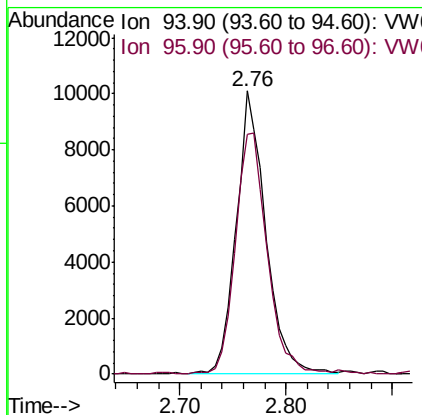
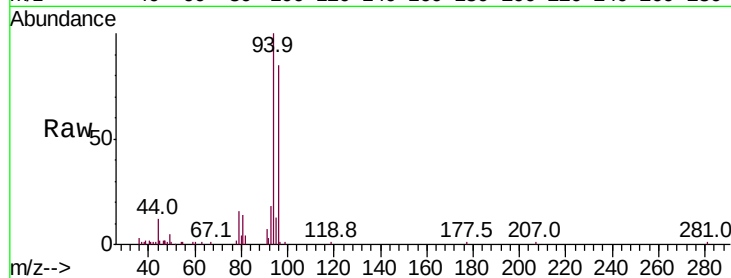
96 84.6 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 16.936 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012514.D

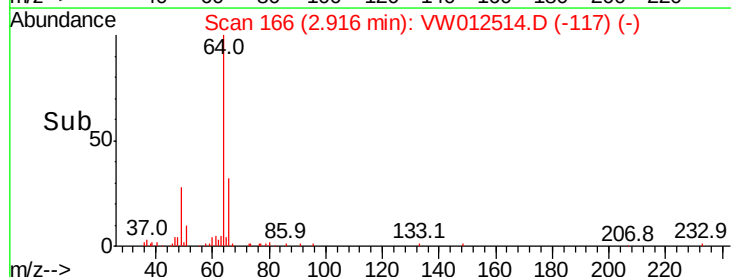
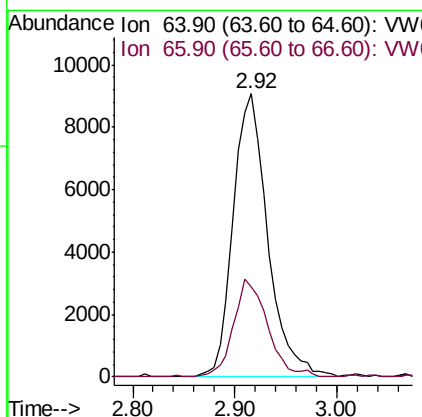
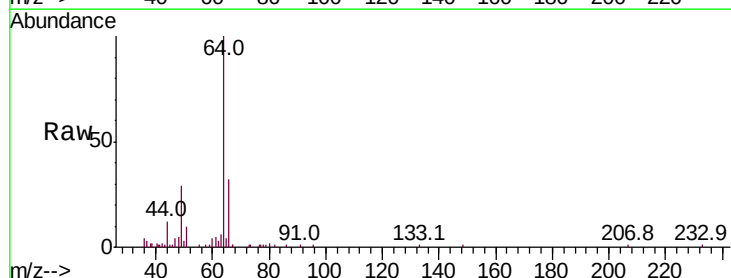
Acq: 02 Sep 2019 22:55

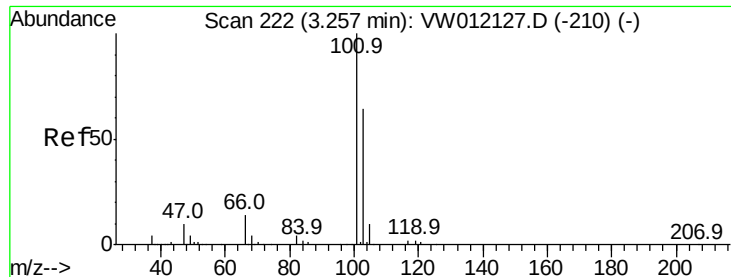
Tgt Ion: 64 Resp: 21325

Ion Ratio Lower Upper

64 100

66 32.0 23.8 35.8





#7

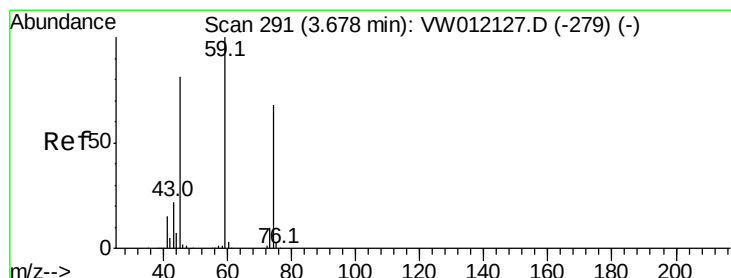
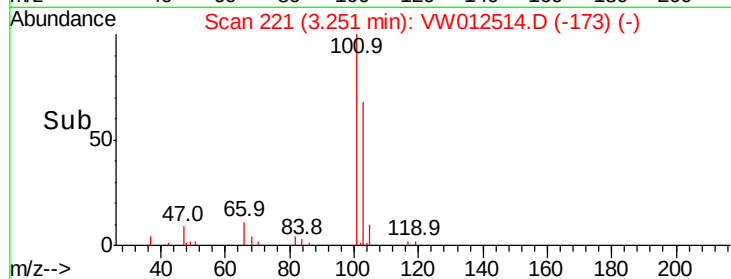
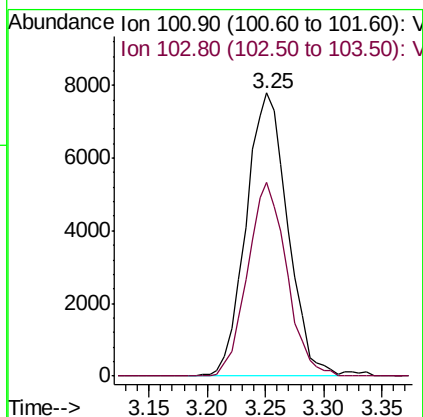
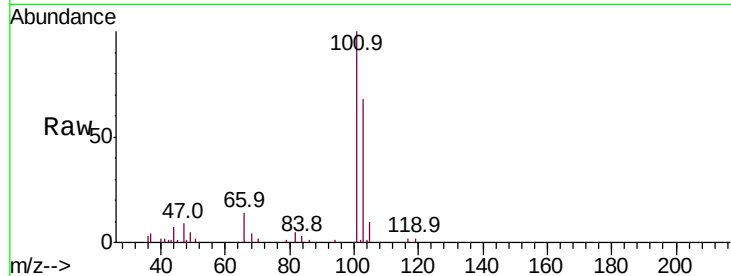
Trichlorofluoromethane
 Concen: 17.294 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	19383		
103	68.4	51.2	76.8	

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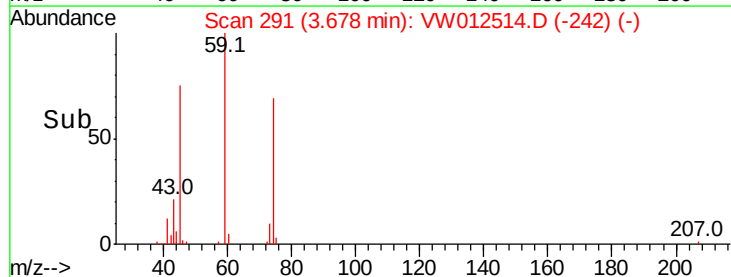
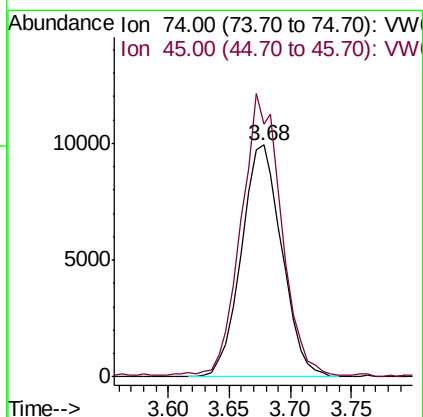
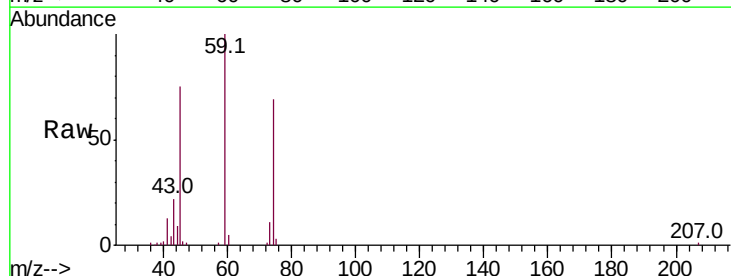
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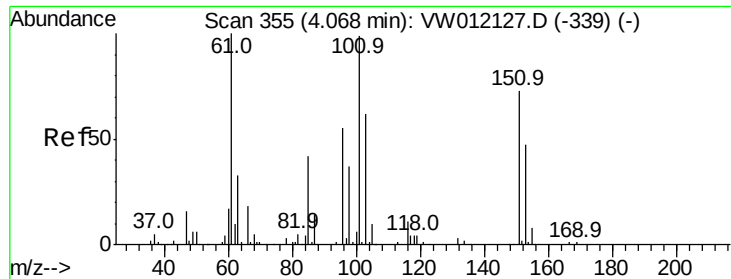


#8

Diethyl Ether
 Concen: 21.473 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	22844		
45	120.2	59.2	177.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.409 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

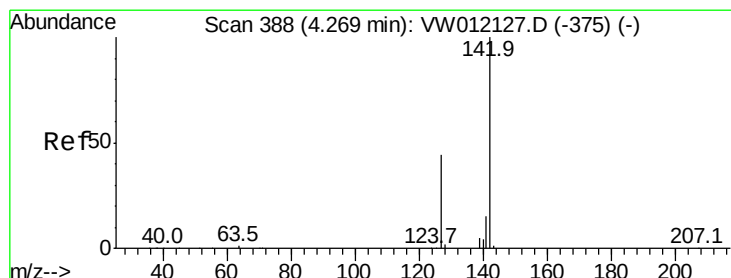
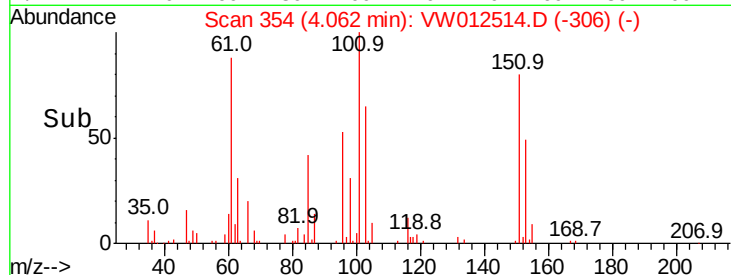
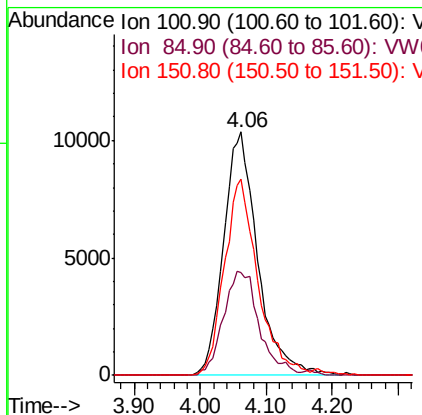
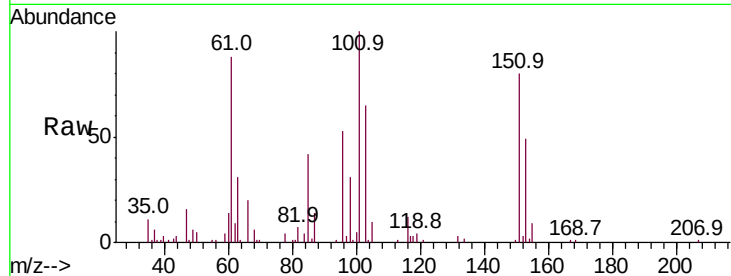
ClientSampleId :

VW0902SBS02

Tot Ion:	101	Resp:	36975
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.8	53.6
151	79.2	58.6	87.8

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9/3/2019 10:55:58 AM



#10

Methyl Iodide

Concen: 19.027 ug/l

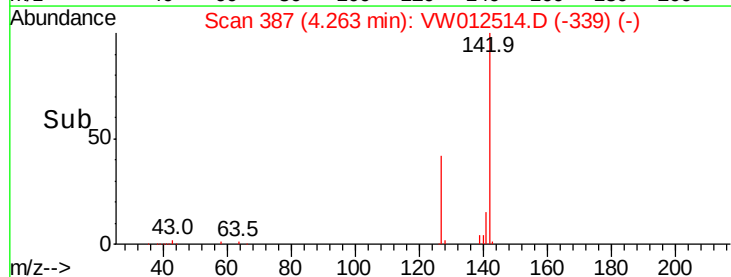
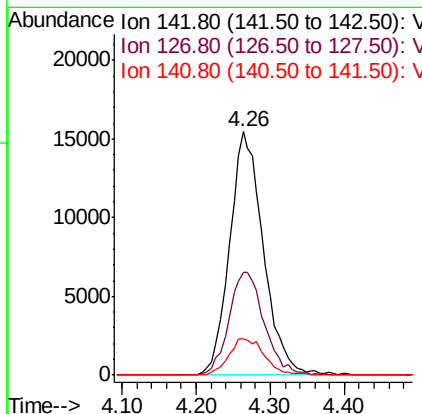
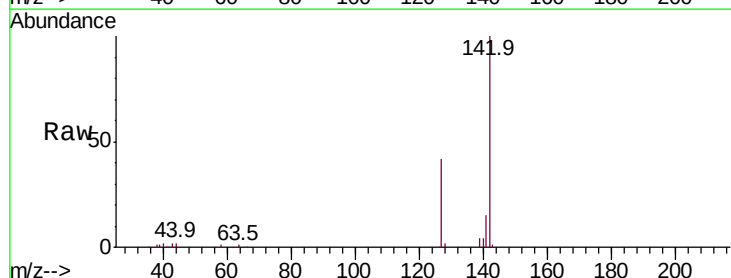
RT: 4.26 min Scan# 387

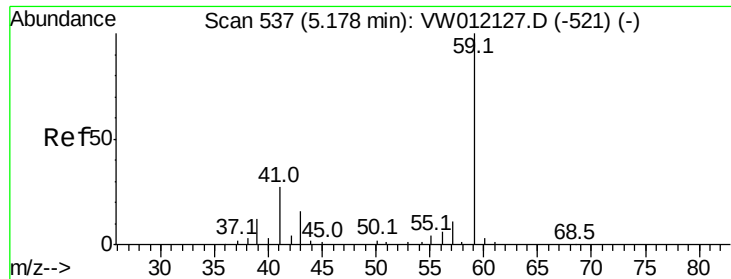
Delta R.T. -0.01 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Tgt Ion:	142	Resp:	49045
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.5	53.3
141	15.9	11.8	17.8





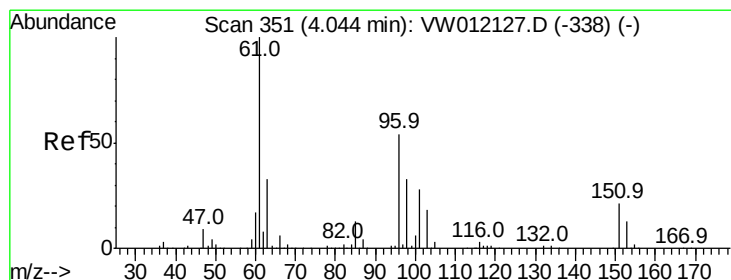
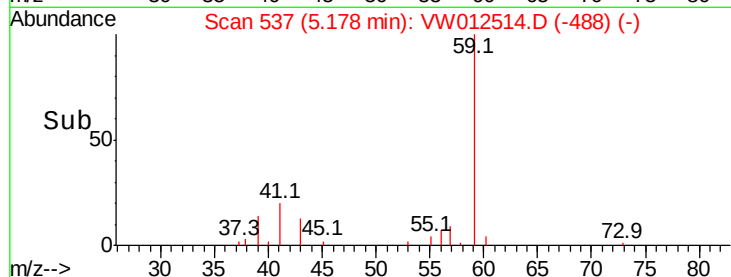
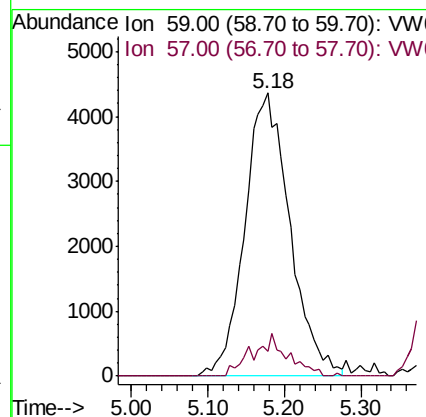
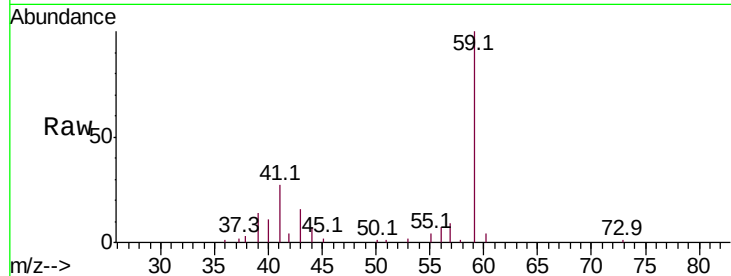
#11
Tert butyl alcohol
Concen: 130.670 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampled :
VW0902SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.6	9.0	13.4#

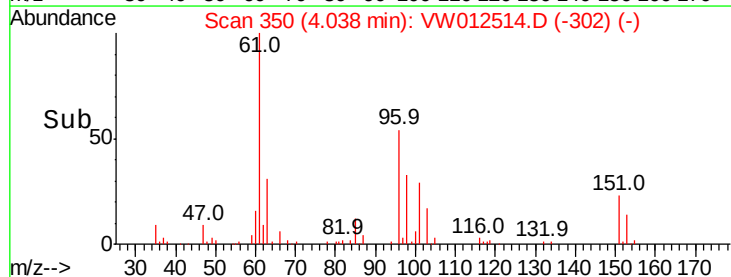
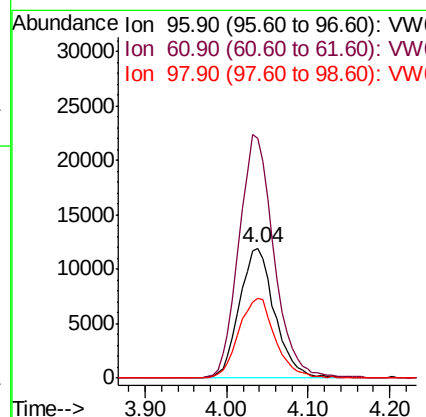
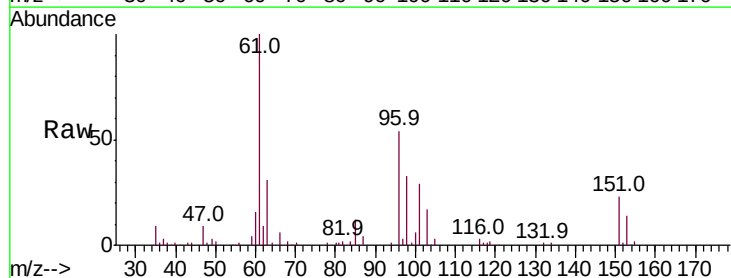
Manual Integrations
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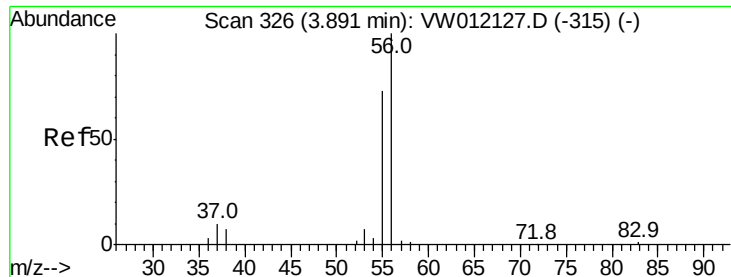
MMDadoda
9/3/2019 10:55:58 AM



#12
1,1-Dichloroethene
Concen: 18.698 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.2	149.1	223.7
98	61.2	49.4	74.2





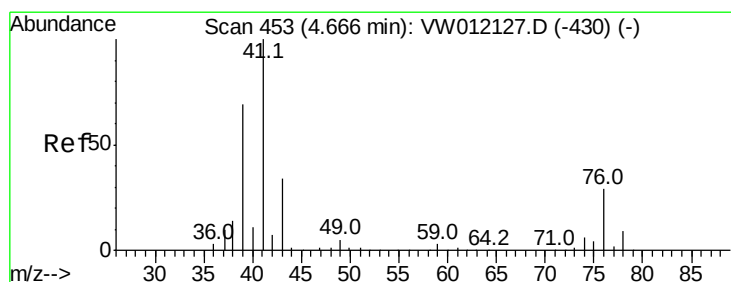
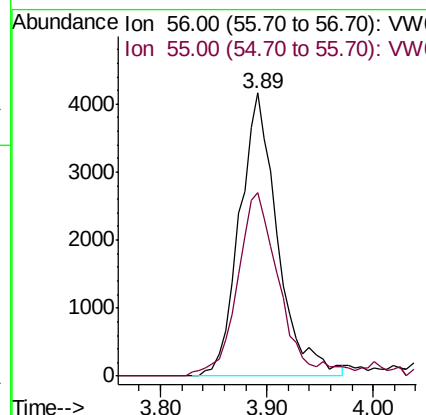
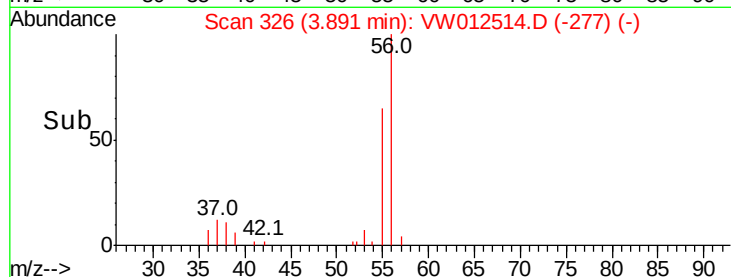
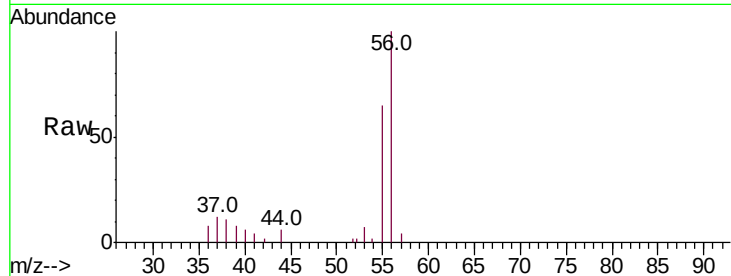
#13
Acrolein
Concen: 81.293 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.2	55.8	83.8

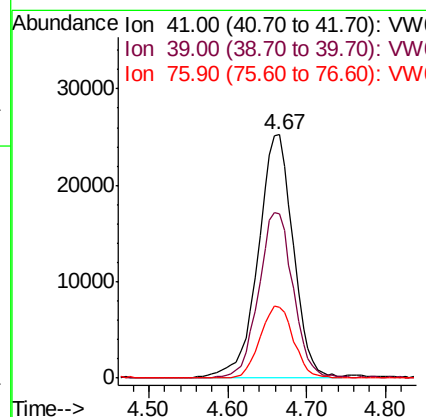
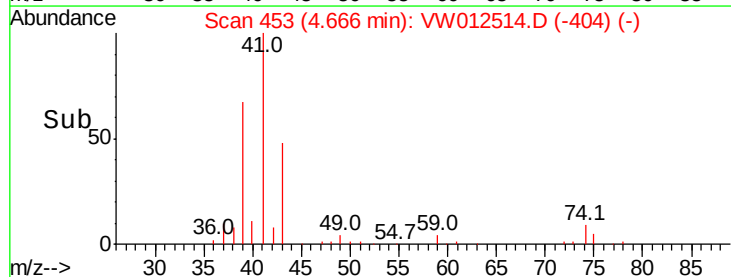
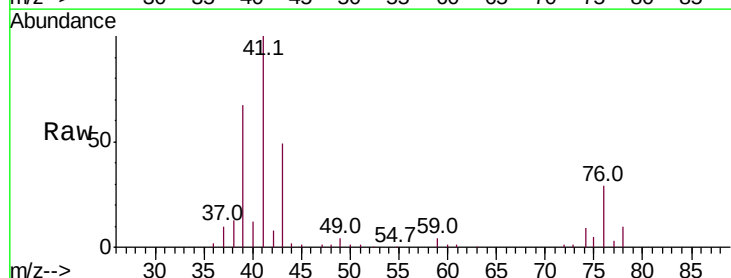
Manual Integrations
APPROVED

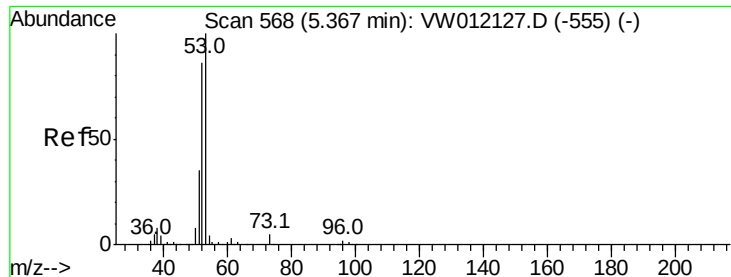
MMDadoda
9/3/2019 10:55:58 AM



#14
Allyl chloride
Concen: 19.134 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.9	53.4	80.2
76	28.2	22.1	33.1





#15

Acrylonitrile

Concen: 122.830 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

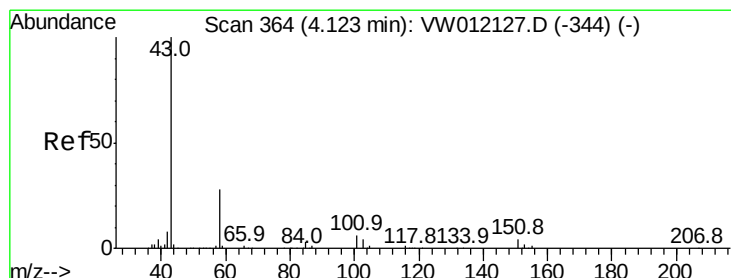
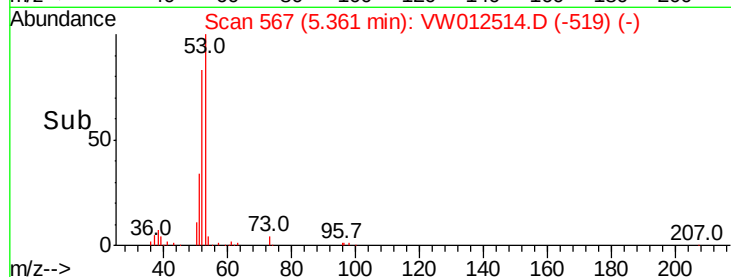
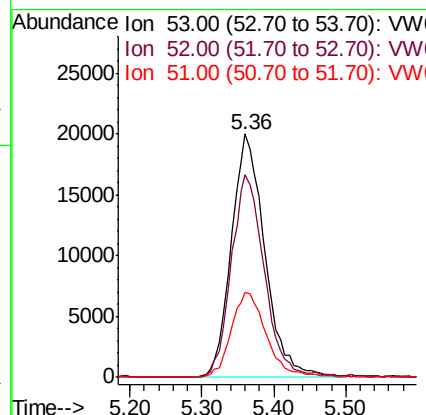
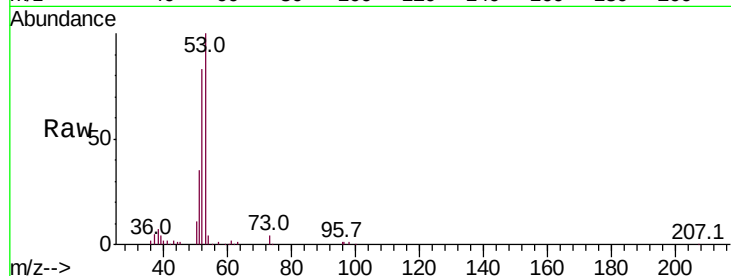
ClientSampleId :

VW0902SBS02

Tot Ion:	53	Resp:	64768
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.7	100.1
51	36.3	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 95.523 ug/l

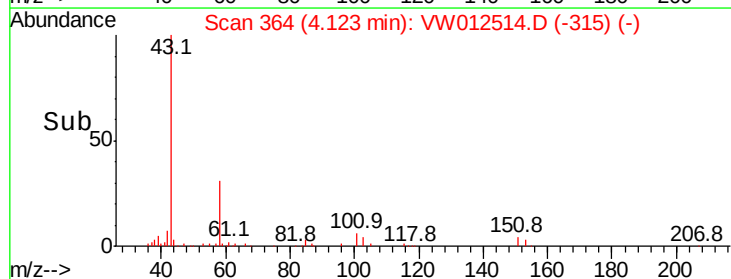
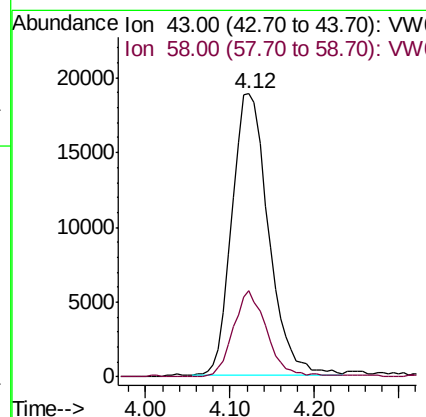
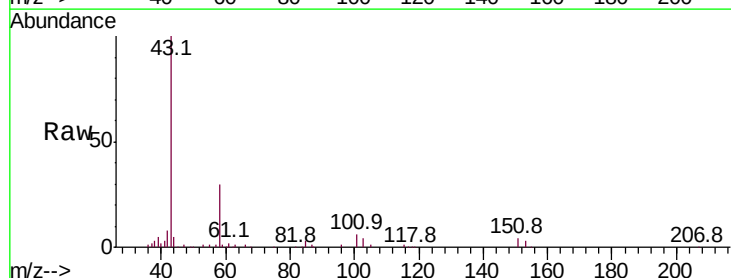
RT: 4.12 min Scan# 364

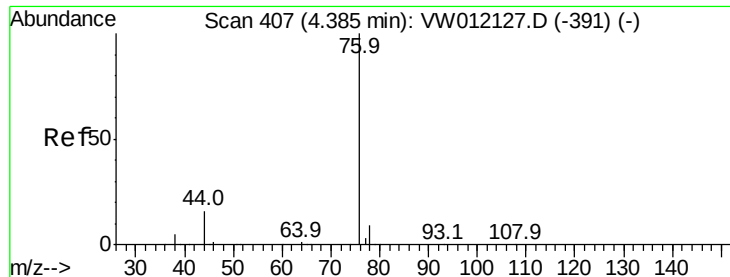
Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Tgt Ion:	43	Resp:	55489
Ion	Ratio	Lower	Upper
43	100		
58	30.6	22.4	33.6





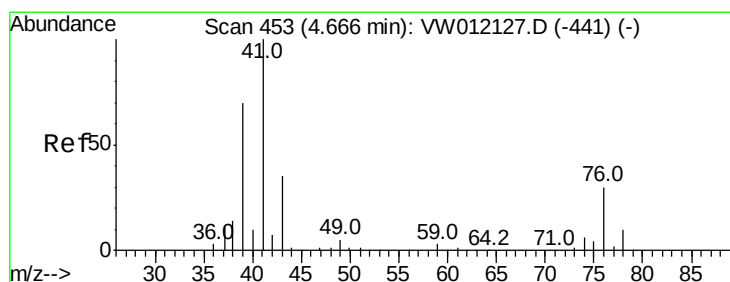
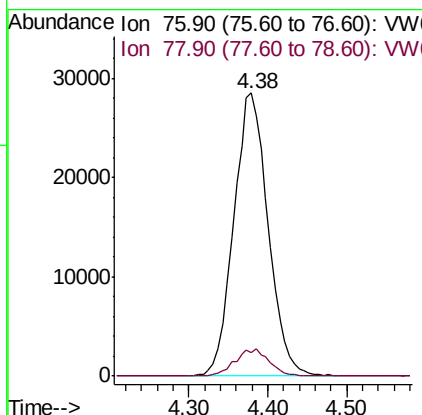
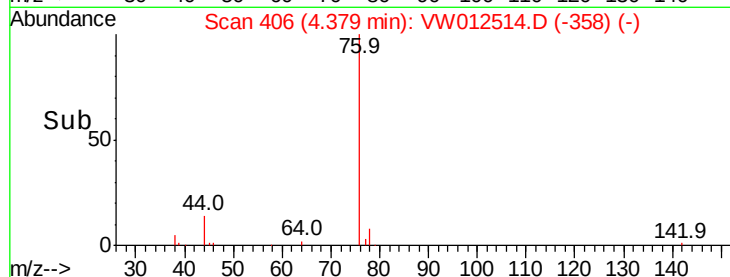
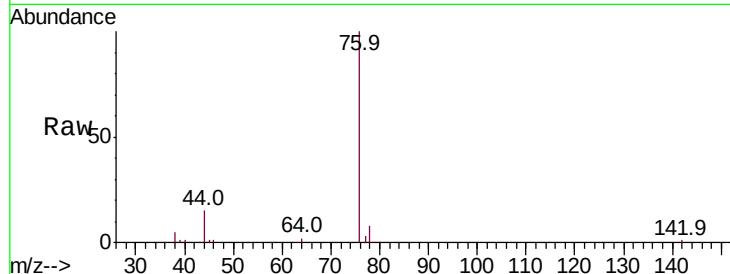
#17
Carbon Disulfide
Concen: 14.897 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS02

Tot Ion: 76 Resp: 86329
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9

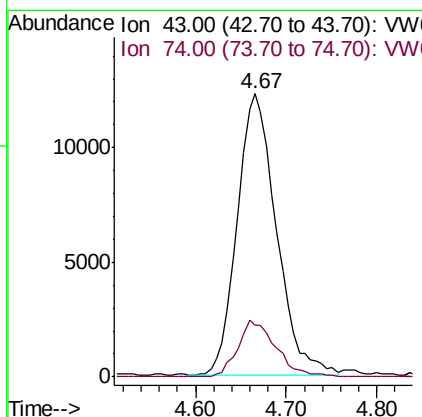
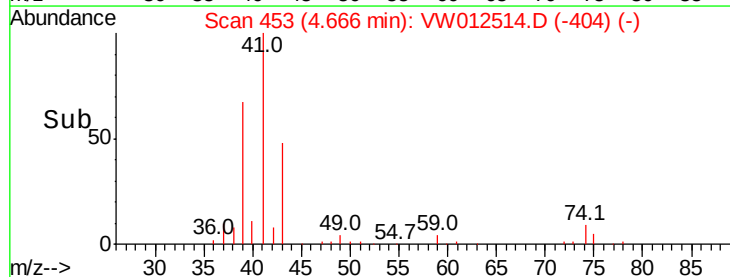
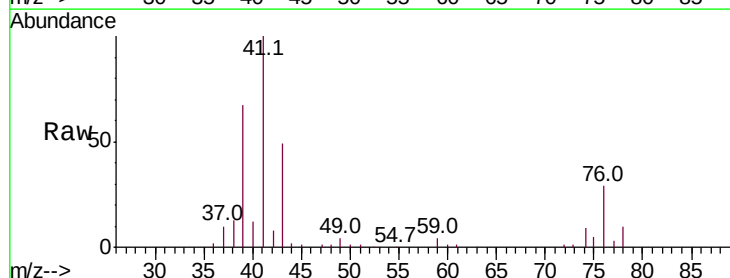
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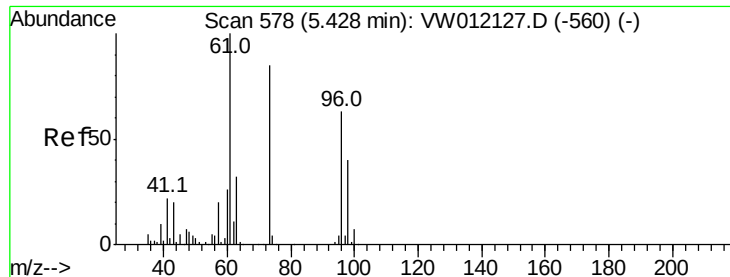
MMDadoda
9/3/2019 10:55:58 AM



#18
Methyl Acetate
Concen: 25.590 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion: 43 Resp: 36818
Ion Ratio Lower Upper
43 100
74 19.5 15.7 23.5





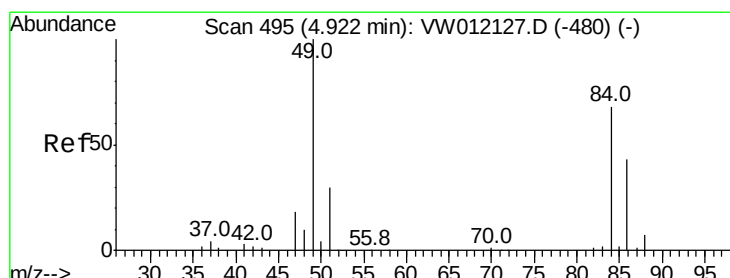
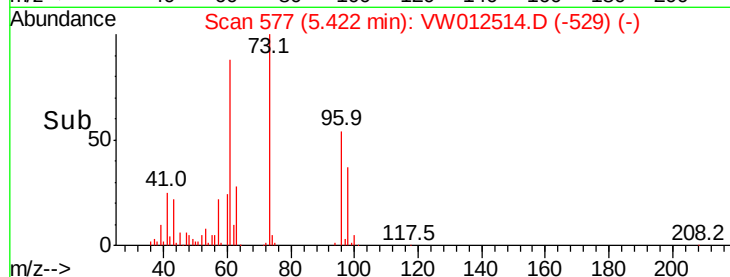
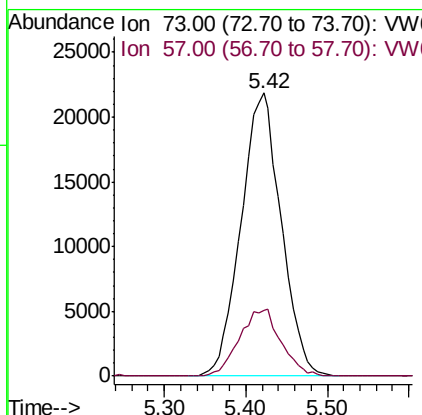
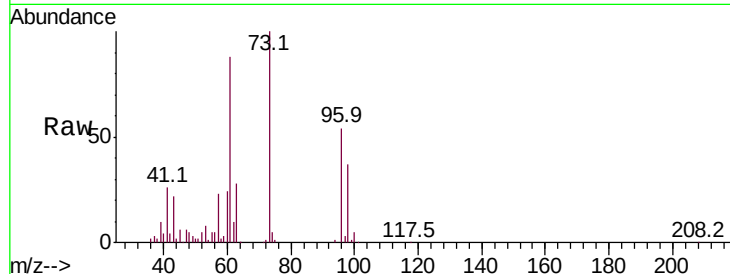
#19
Methyl tert-butyl Ether
Concen: 24.172 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS02

Tot Ion: 73 Resp: 74953
Ion Ratio Lower Upper
73 100
57 23.2 18.9 28.3

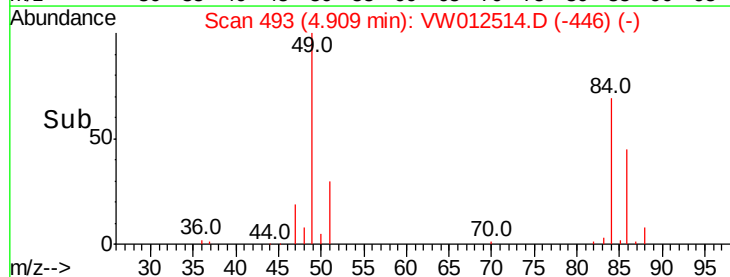
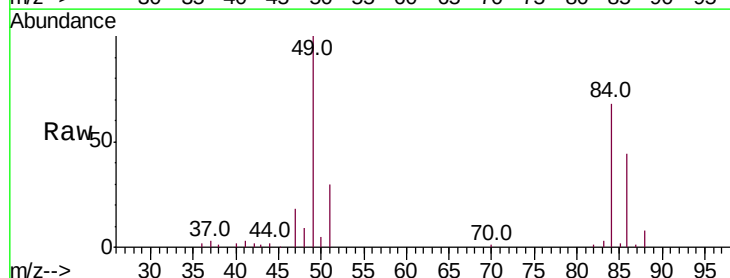
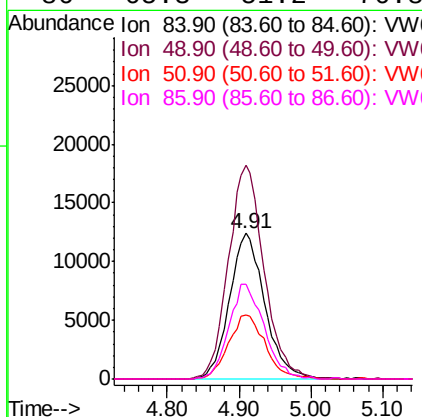
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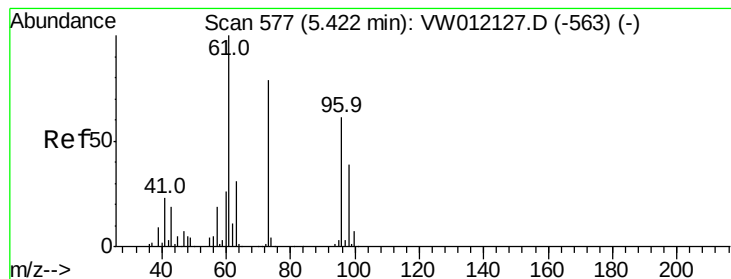
MMDadoda
9/3/2019 10:55:58 AM



#20
Methylene Chloride
Concen: 19.213 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion: 84 Resp: 42193
Ion Ratio Lower Upper
84 100
49 146.8 117.8 176.8
51 44.2 35.6 53.4
86 65.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.613 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampled :

VW0902SBS02

Tot Ion: 96 Resp: 38273

Ion Ratio Lower Upper

96 100

61 164.2 131.4 197.0

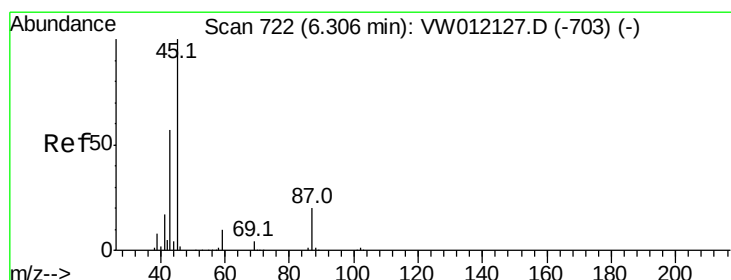
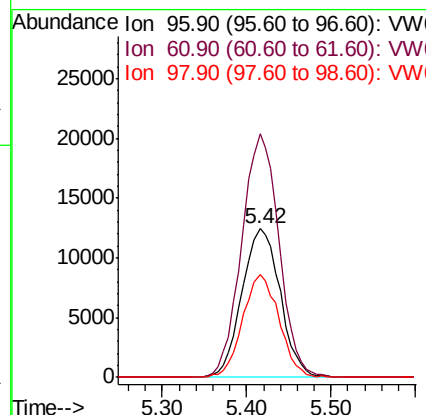
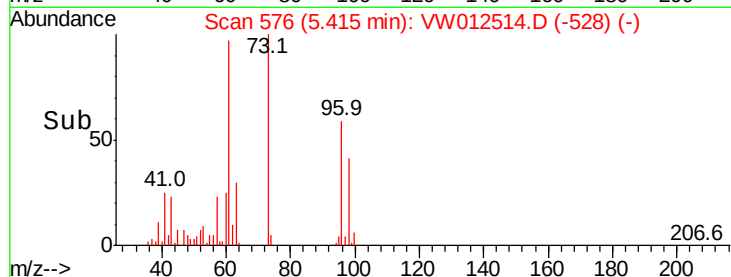
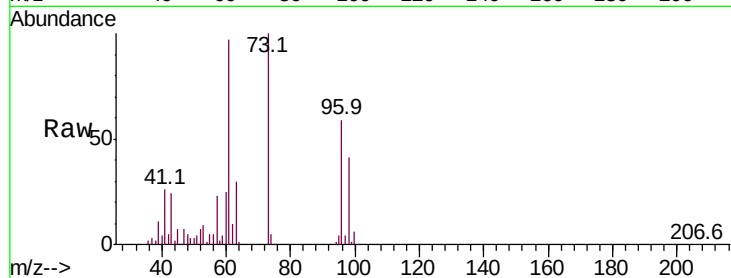
98 69.1 51.4 77.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.210 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Tgt Ion: 45 Resp: 161160

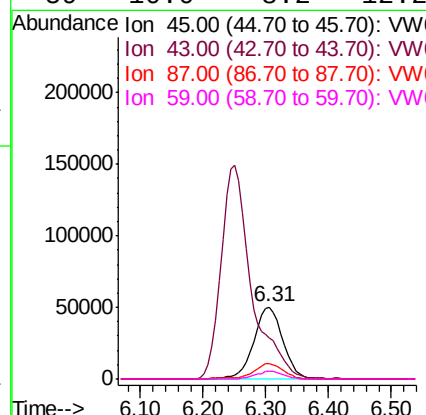
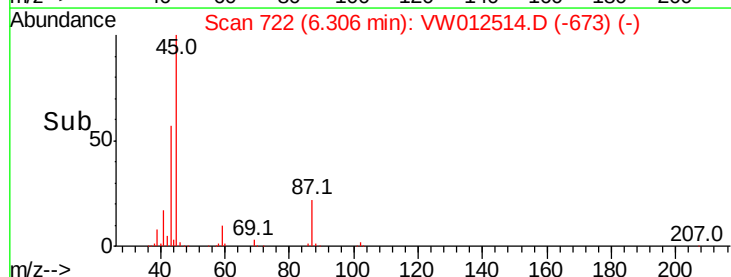
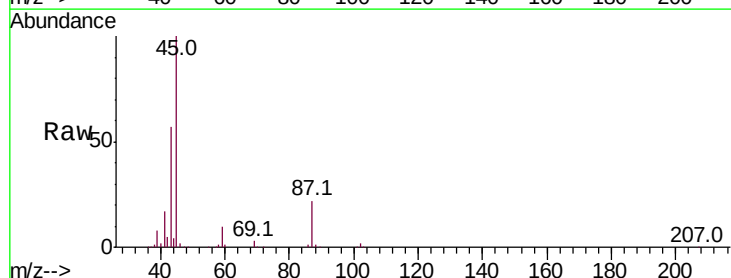
Ion Ratio Lower Upper

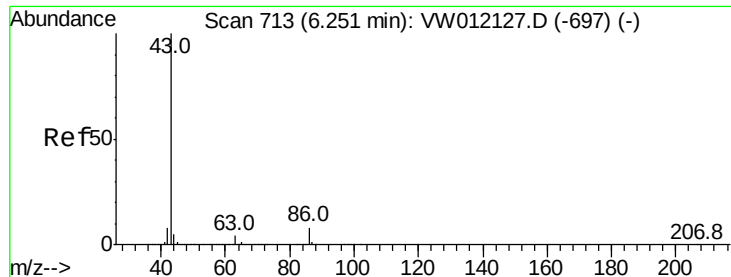
45 100

43 56.8 45.5 68.3

87 22.1 16.1 24.1

59 10.0 8.2 12.2





#23

Vinyl Acetate

Concen: 106.993 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Tot Ion	43	86	Ratio	100	8.8	Resp	500317	Lower	6.5	Upper	9.7
Ion	43	86	Ratio	100	8.8	Resp	500317	Lower	6.5	Upper	9.7

Instrument :

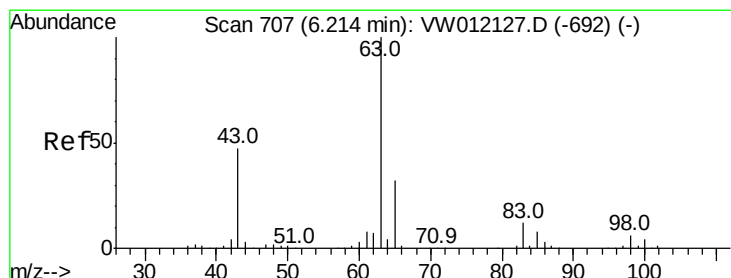
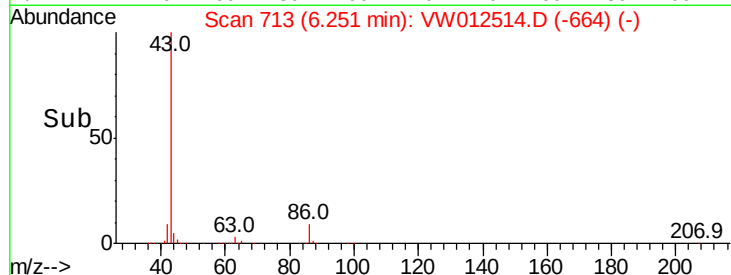
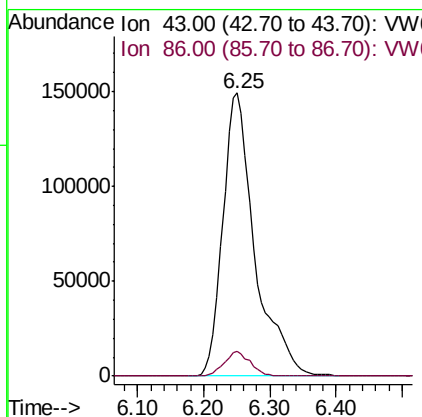
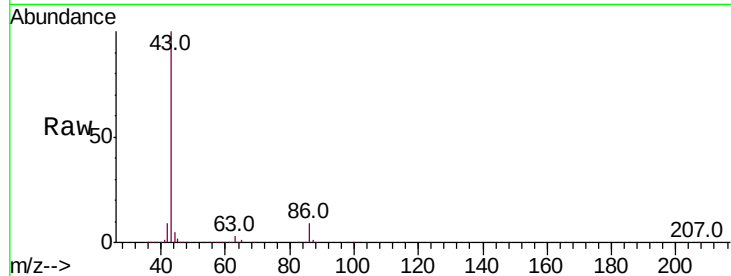
MSVOA_W

ClientSampleId :

VW0902SBS02

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#24

1,1-Dichloroethane

Concen: 20.385 ug/l

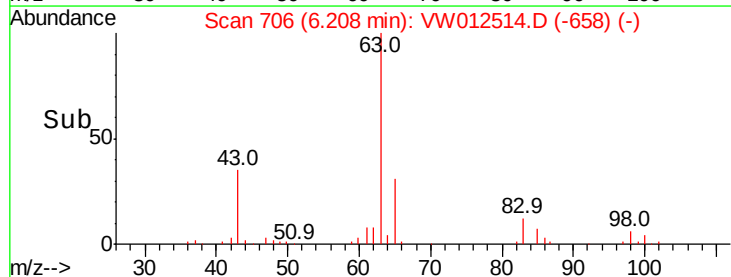
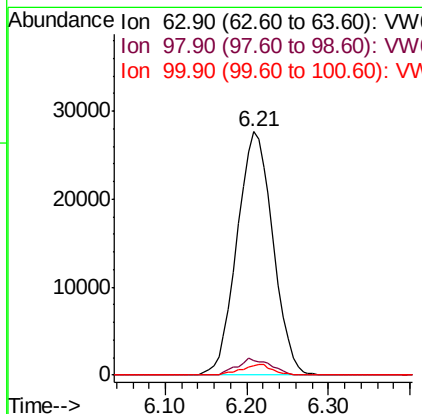
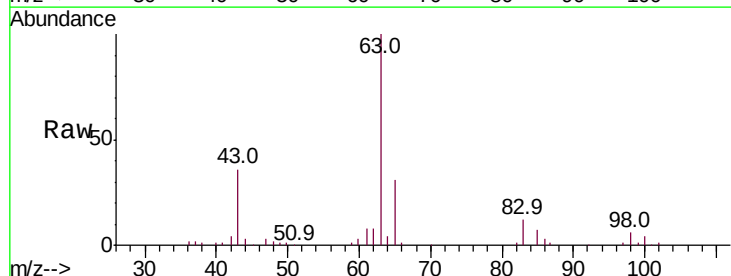
RT: 6.21 min Scan# 706

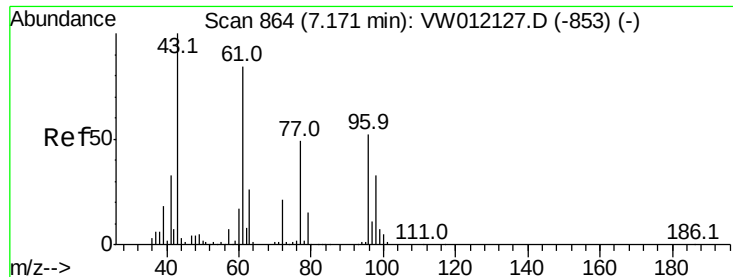
Delta R.T. -0.01 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Tgt Ion	63	98	100	Ratio	100	6.1	3.0	9.2	Resp	84335	Lower	Upper
Ion	63	98	100	Ratio	100	6.1	3.0	9.2	Resp	84335	Lower	Upper





#25

2-Butanone

Concen: 113.693 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampled :

VW0902SBS02

Tot Ion: 43 Resp: 89746

Ion Ratio Lower Upper

43 100

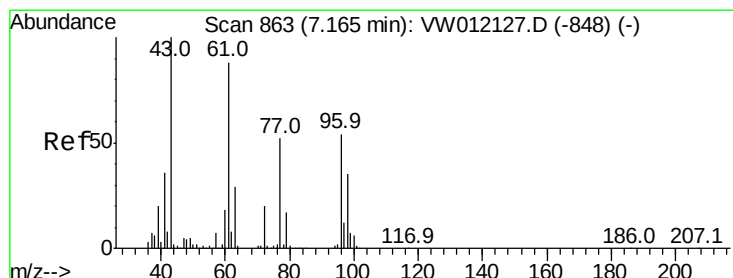
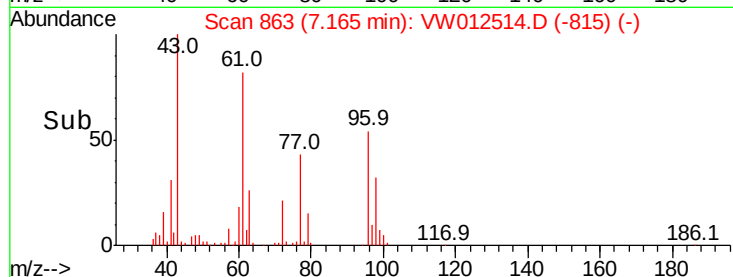
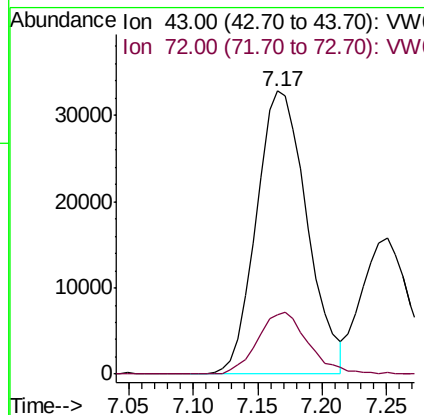
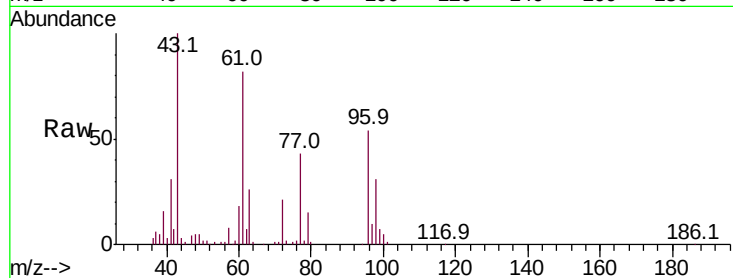
72 20.8 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.002 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012514.D

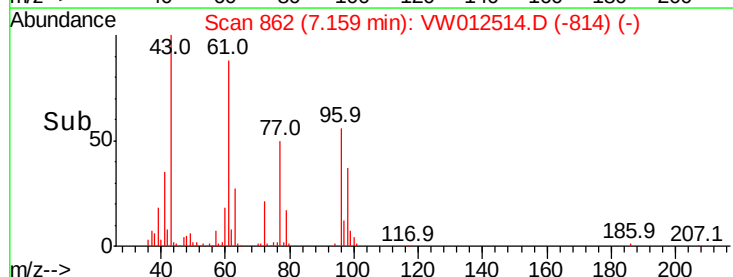
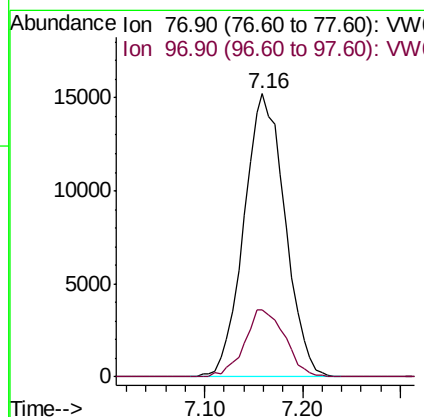
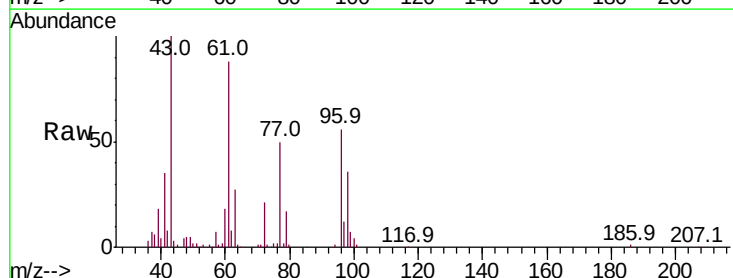
Acq: 02 Sep 2019 22:55

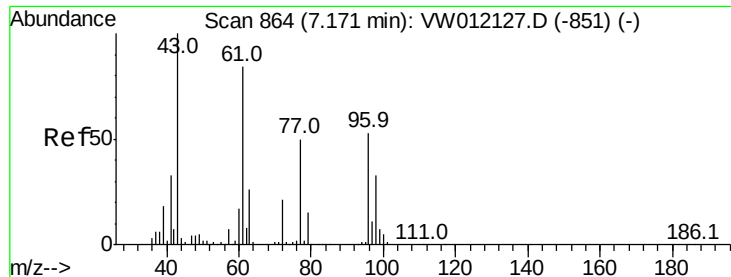
Tgt Ion: 77 Resp: 44497

Ion Ratio Lower Upper

77 100

97 23.4 11.1 33.1





#27

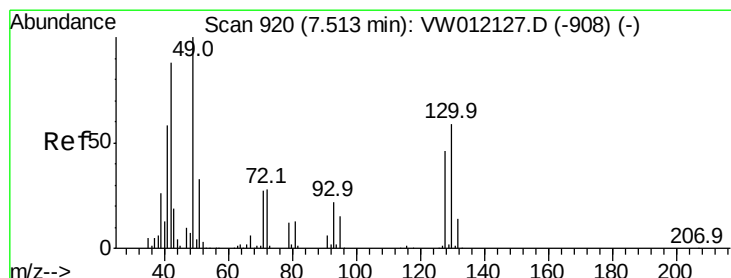
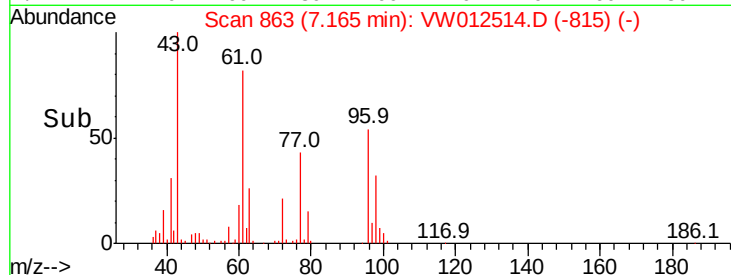
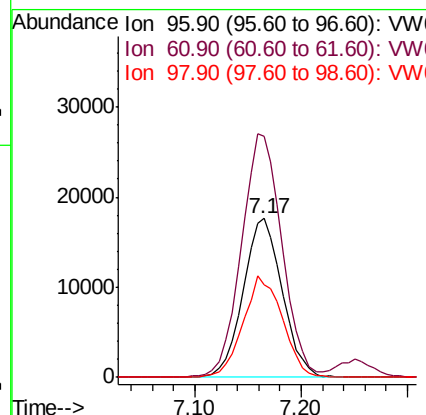
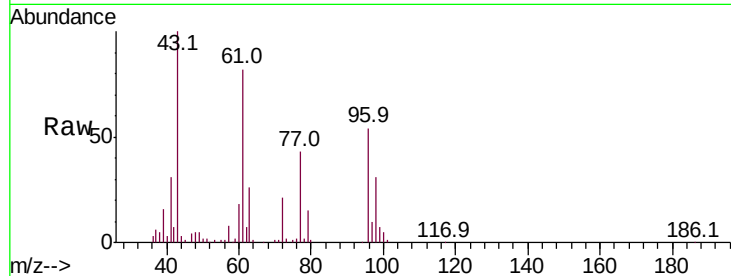
cis-1,2-Dichloroethene
Concen: 20.694 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.4	0.0	326.6
98	63.8	0.0	127.4

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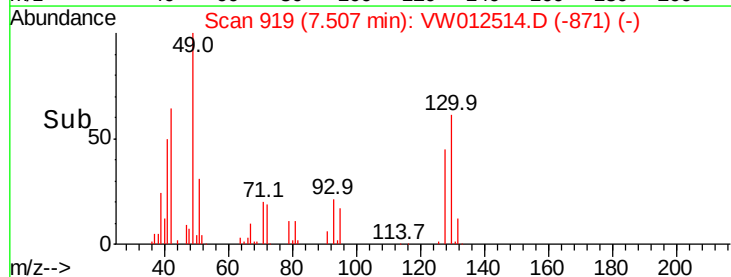
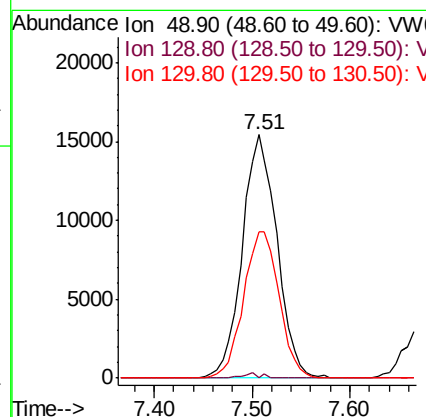
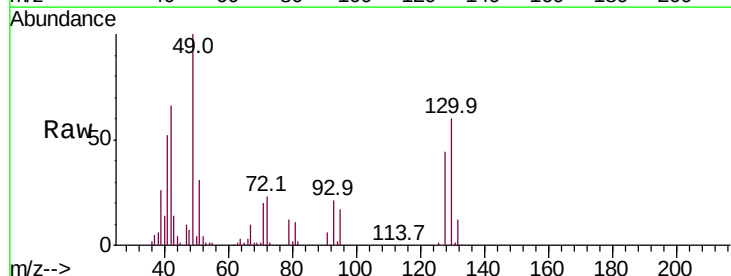
MMDadoda
9/3/2019 10:55:58 AM

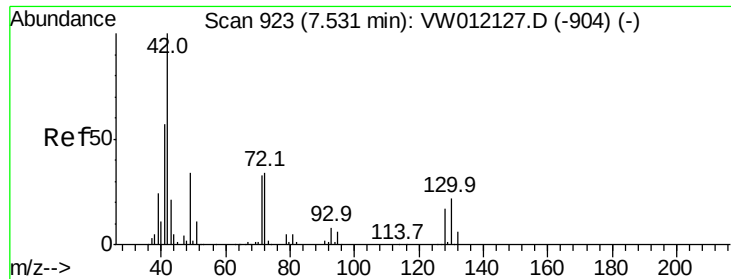


#28

Bromochloromethane
Concen: 21.025 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.4
130	61.6	45.5	68.3





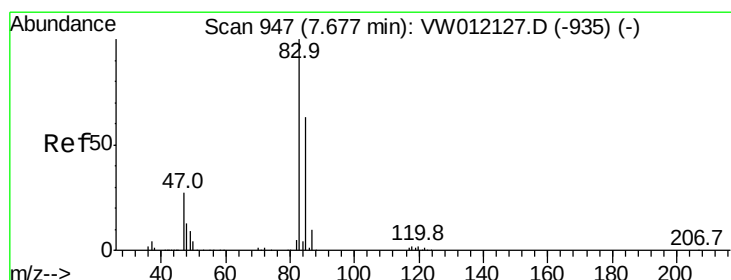
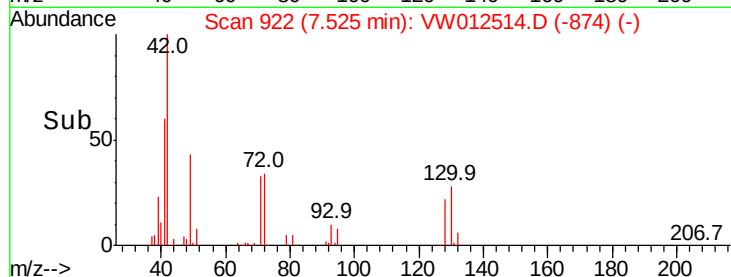
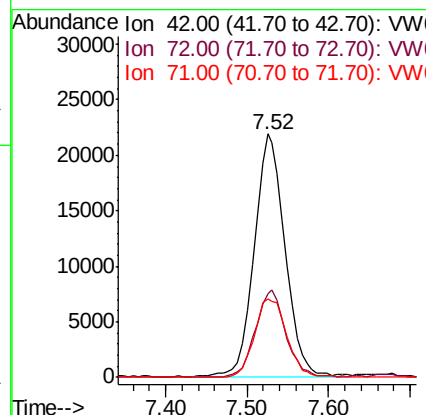
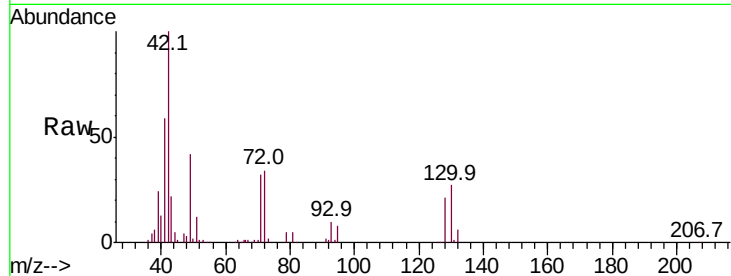
#29
Tetrahydrofuran
Concen: 122.446 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	27.3	40.9
71	33.8	25.5	38.3

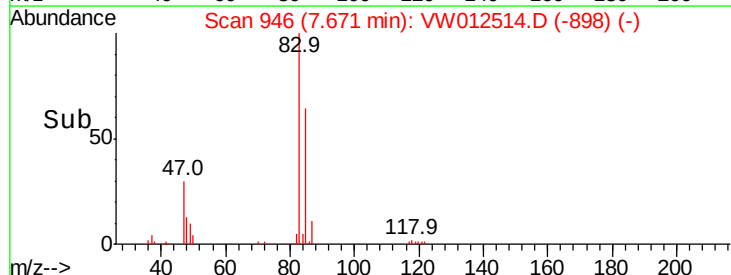
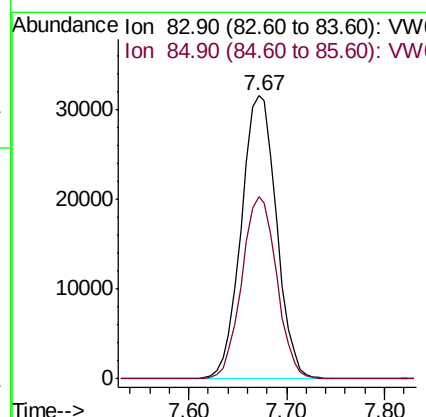
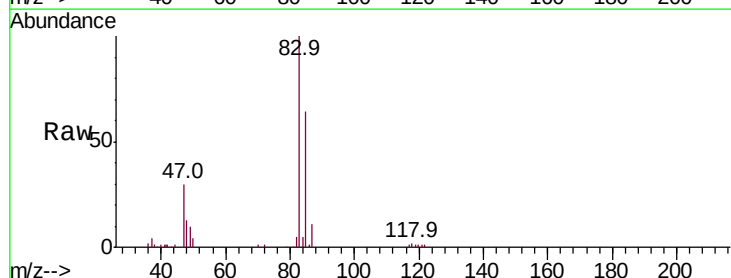
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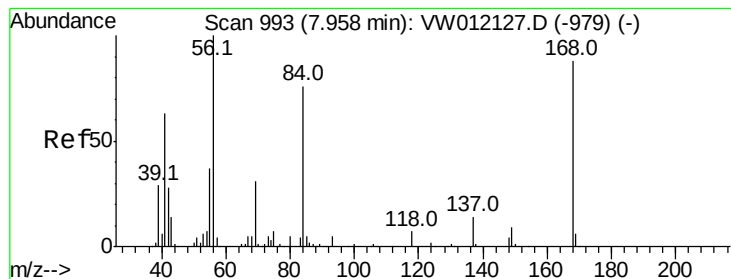
MMDadoda
9/3/2019 10:55:58 AM



#30
Chloroform
Concen: 20.830 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	76.0





#31

Cyclohexane

Concen: 17.547 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBS02

Tot Ion: 56 Resp: 71822

Ion Ratio Lower Upper

56 100

69 37.3 24.9 37.3

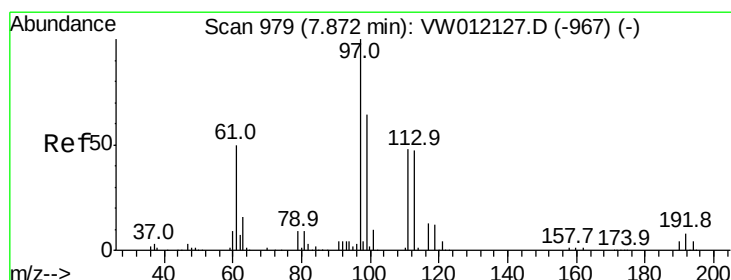
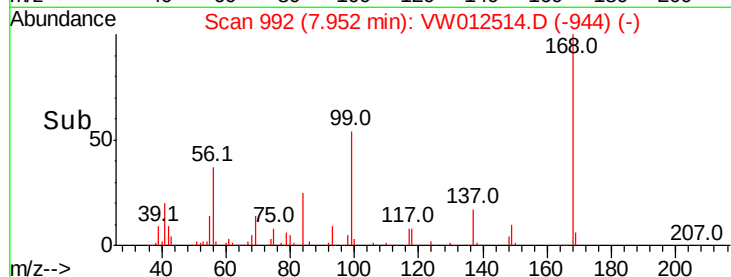
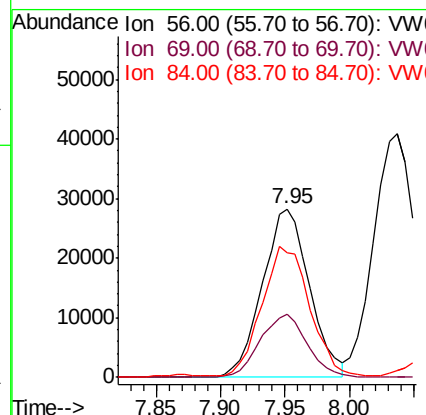
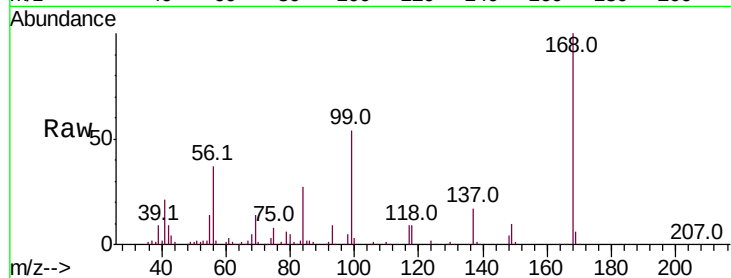
84 72.5 60.6 90.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.740 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

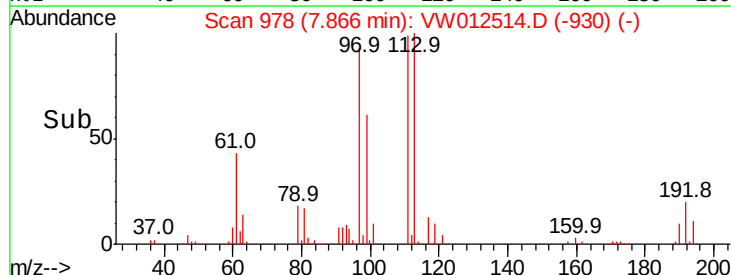
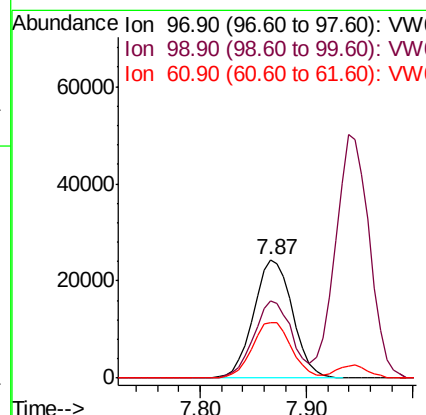
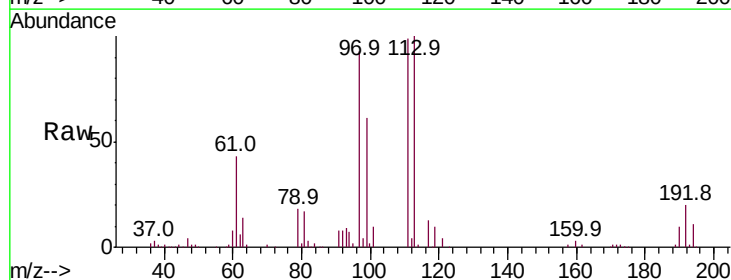
Tgt Ion: 97 Resp: 62103

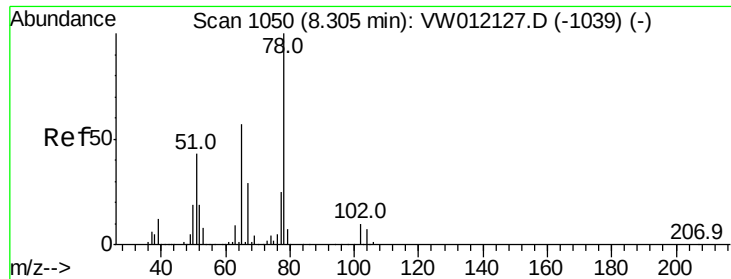
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 47.8 39.5 59.3





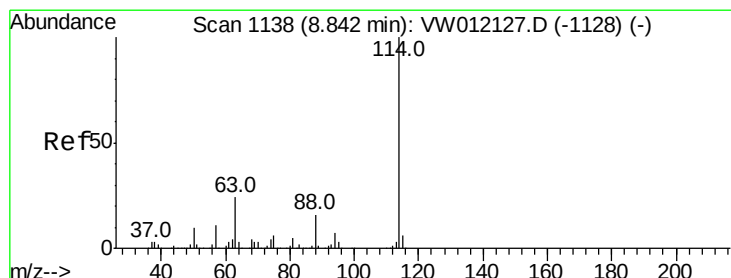
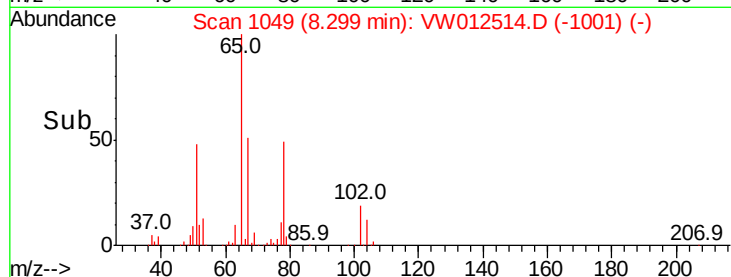
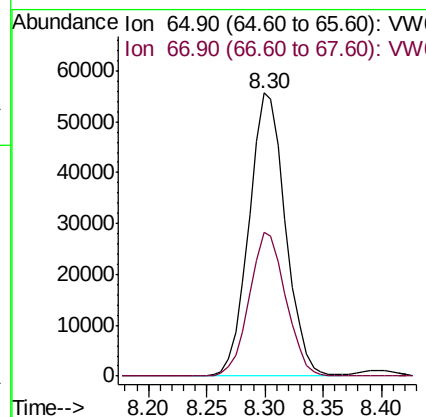
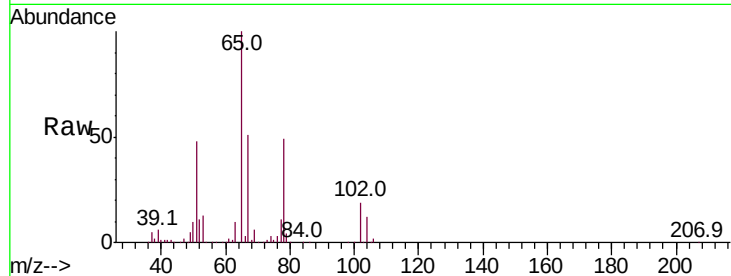
#33
 1,2-Dichloroethane-d4
 Concen: 53.388 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.6

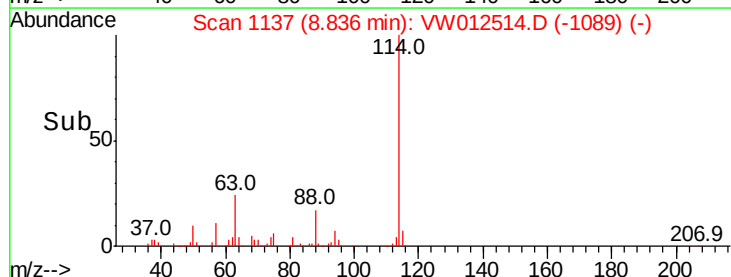
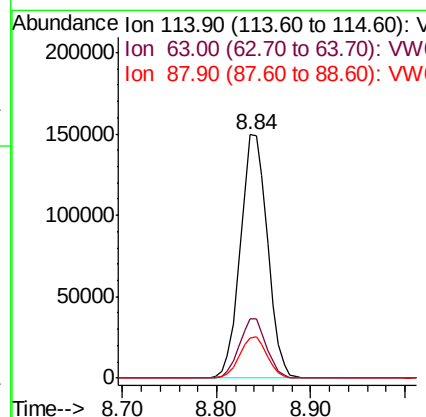
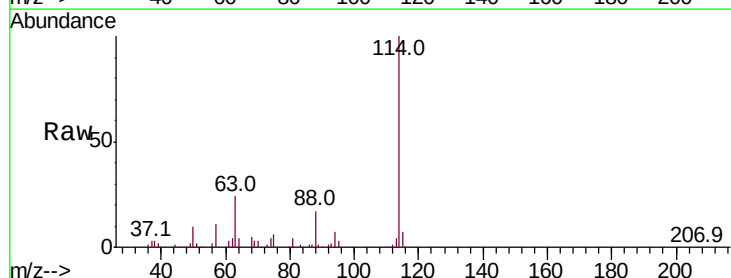
Manual Integrations
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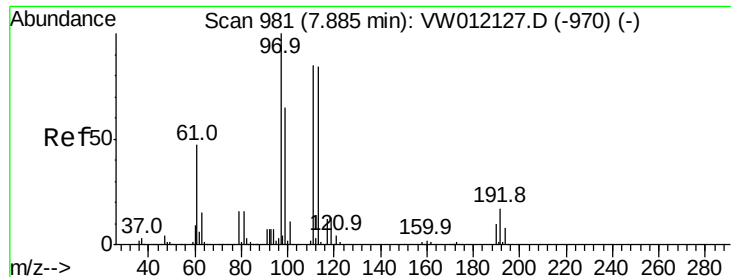
MMDadoda
 9/3/2019 10:55:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	48.6
88	16.6	0.0	32.2





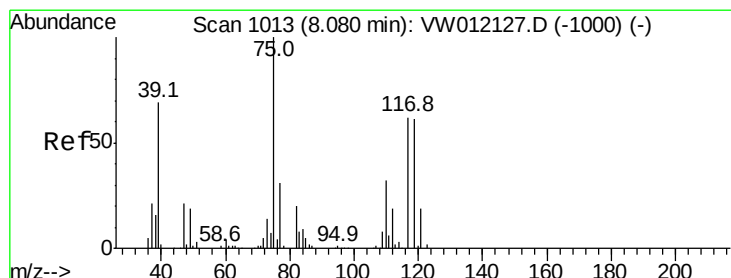
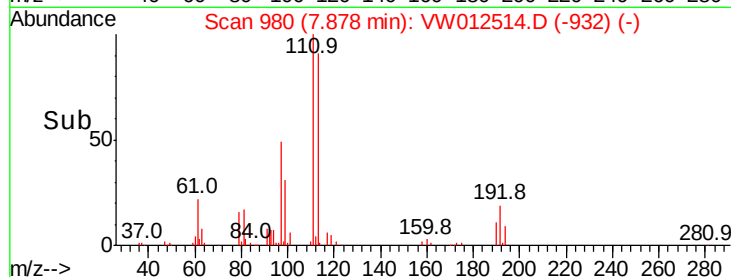
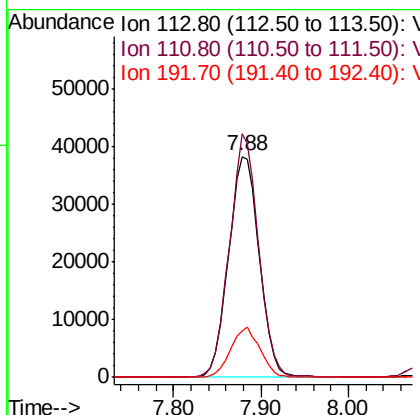
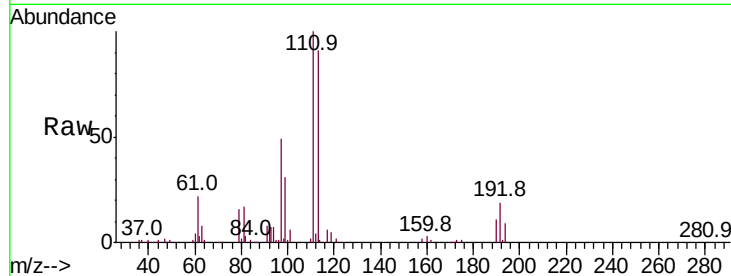
#35
 Dibromofluoromethane
 Concen: 52.022 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.7	124.1
192	21.6	16.2	24.2

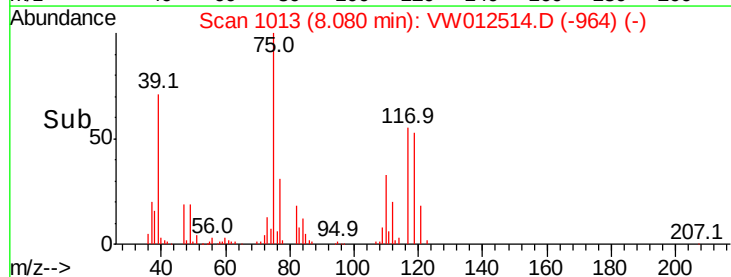
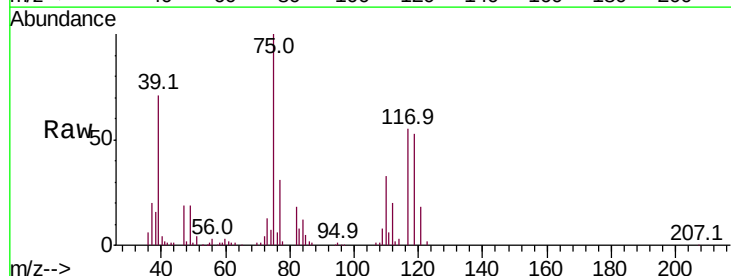
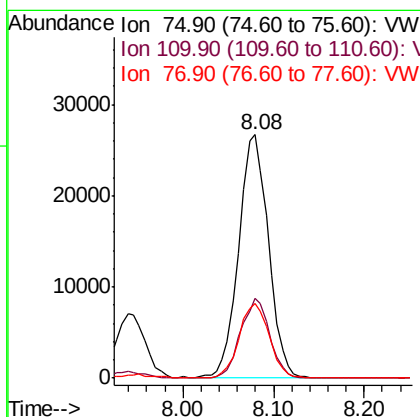
Manual Integrations
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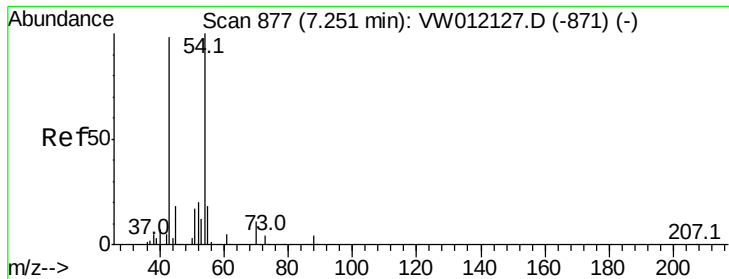
MMDadoda
 9/3/2019 10:55:58 AM



#36
 1,1-Dichloropropene
 Concen: 19.614 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.9	15.6	46.8
77	30.9	24.6	36.8





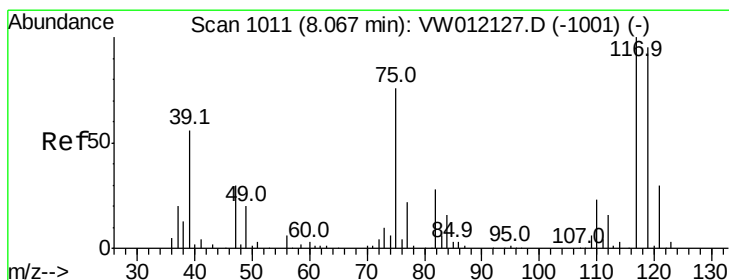
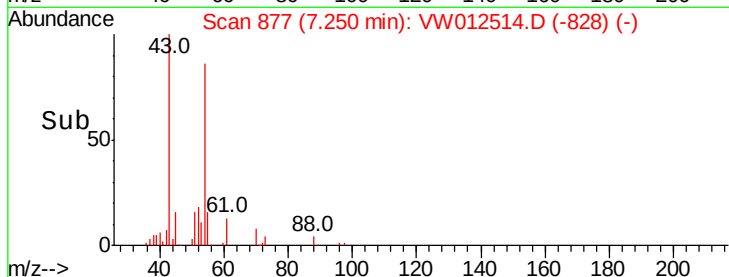
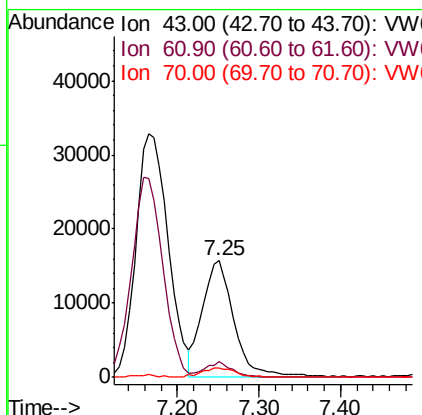
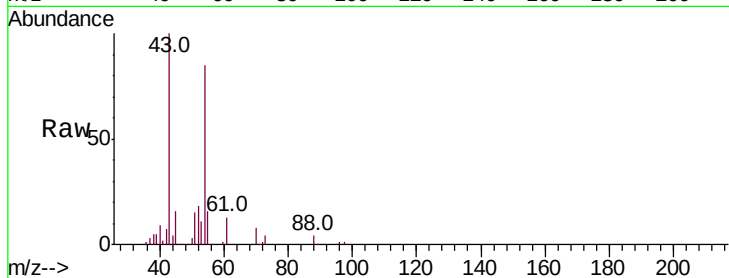
#37
Ethyl Acetate
Concen: 24.916 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.2	9.2	13.8
70	8.6	6.9	10.3

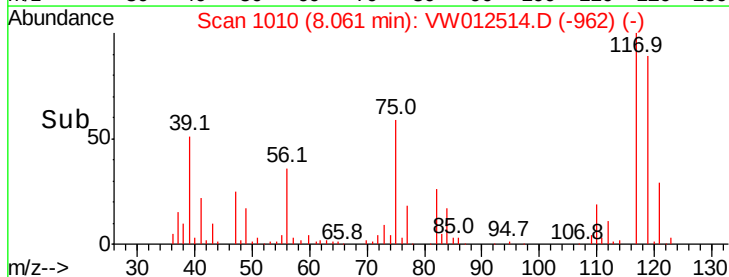
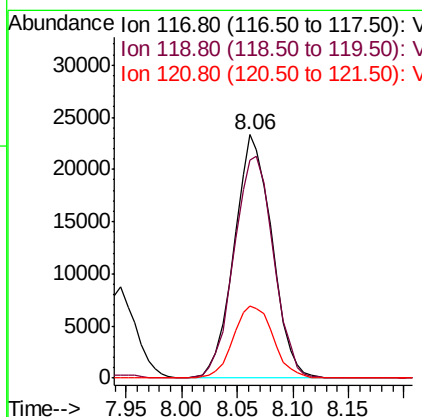
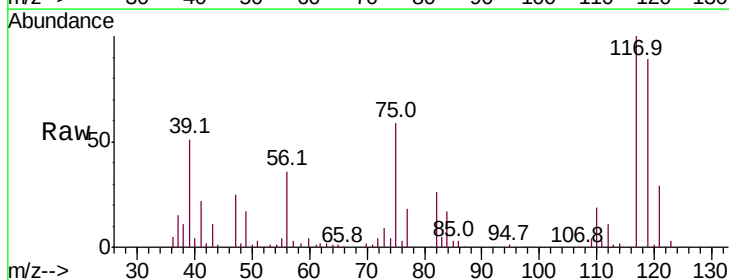
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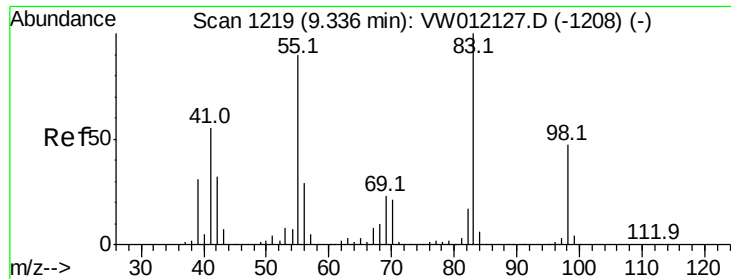
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.433 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.3	76.2	114.2
121	29.5	23.8	35.8





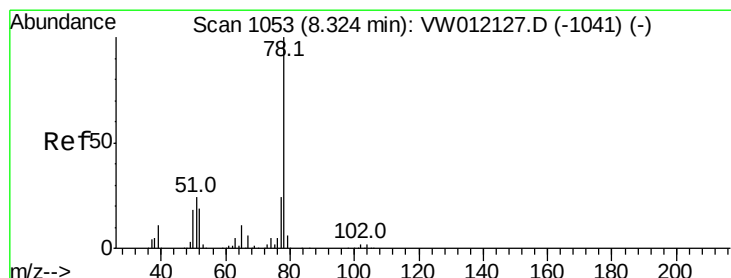
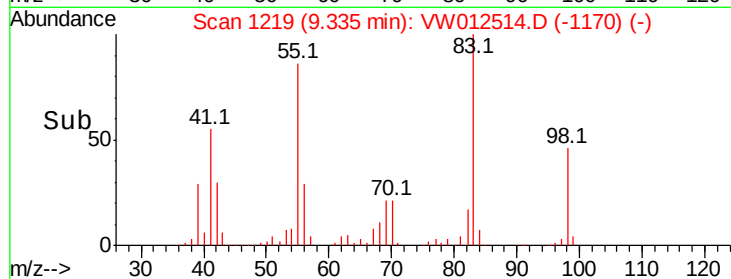
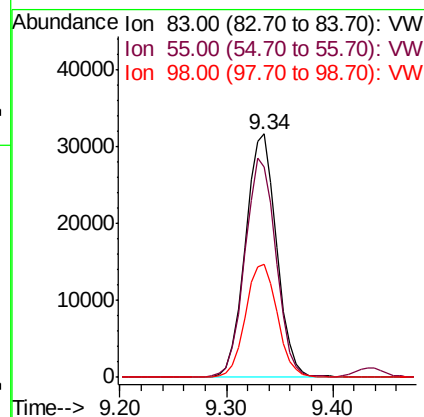
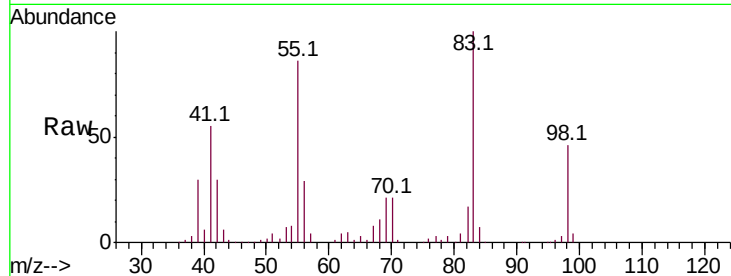
#39
Methylvlcyclohexane
Concen: 18.658 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS02

Tot Ion	83	Resp	65060
Ion Ratio	100	Lower	Upper
83	100		
55	86.5	71.8	107.8
98	46.4	37.8	56.8

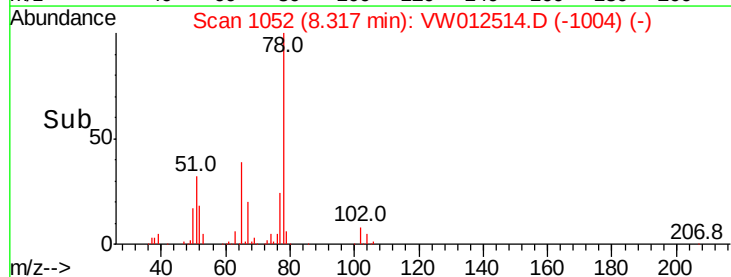
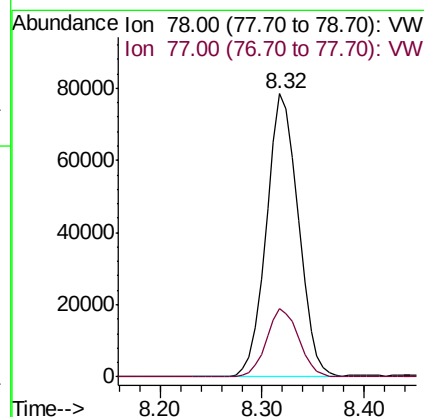
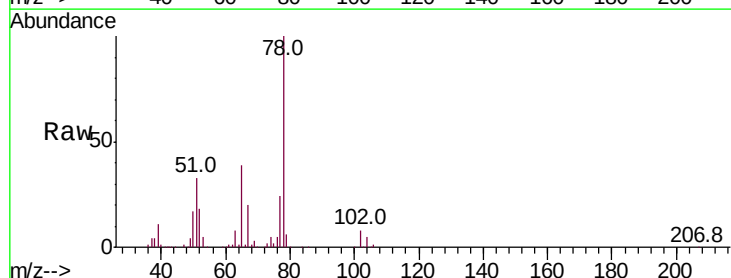
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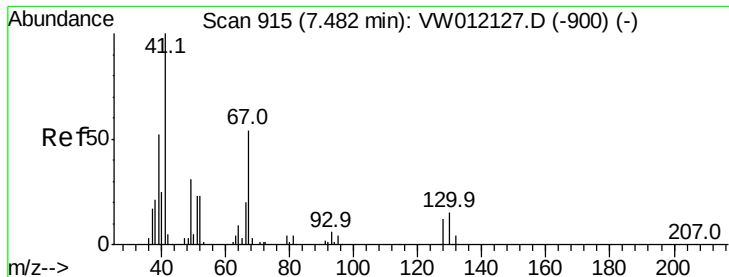
MMDadoda
9/3/2019 10:55:58 AM



#40
Benzene
Concen: 20.172 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion	78	Resp	170973
Ion Ratio	100	Lower	Upper
78	100		
77	24.3	19.5	29.3





#41

Methacrylonitrile

Concen: 26.091 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

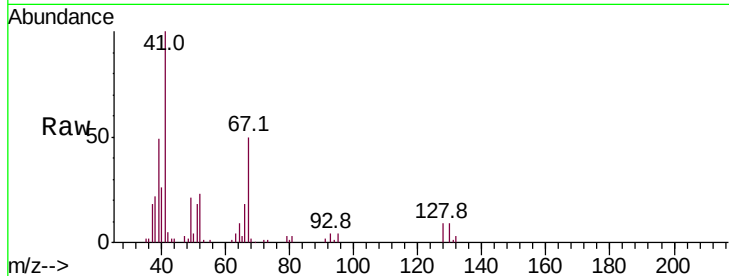
ClientSampleId :

VW0902SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.8	45.8	68.8
67	55.4	46.2	69.4
52	24.8	21.0	31.6

Manual Integrations
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9/3/2019 10:55:58 AM



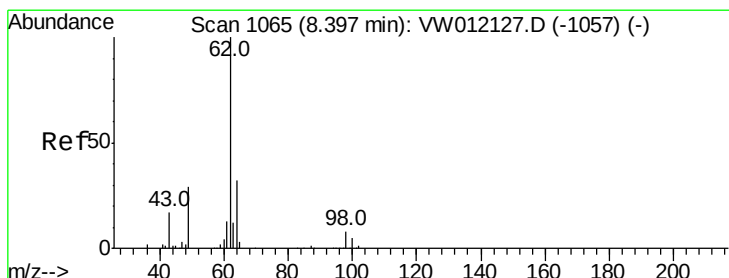
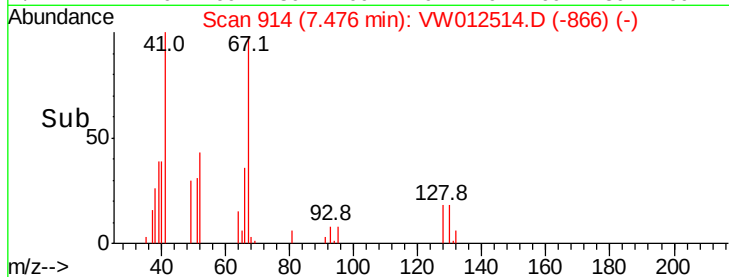
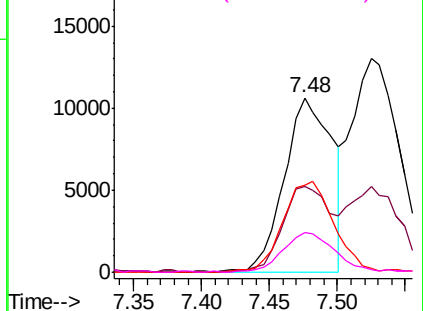
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 22.032 ug/l

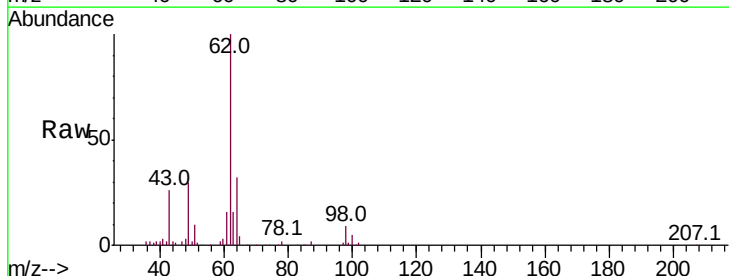
RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

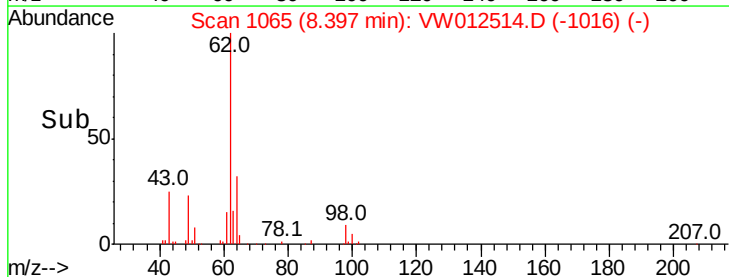
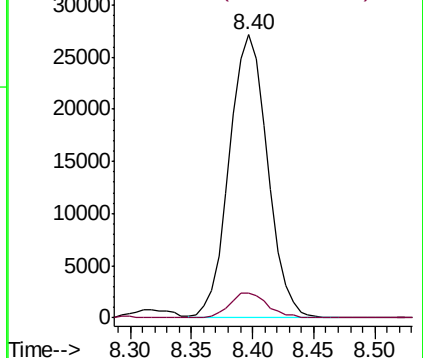
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.6

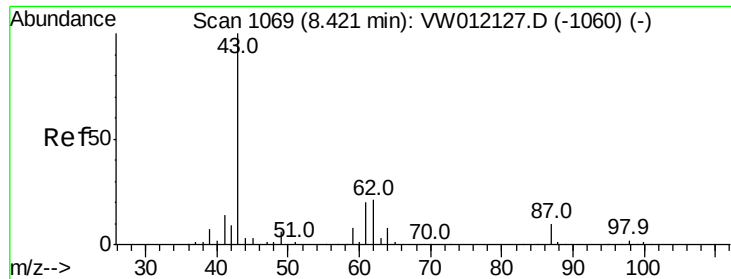


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 23.558 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

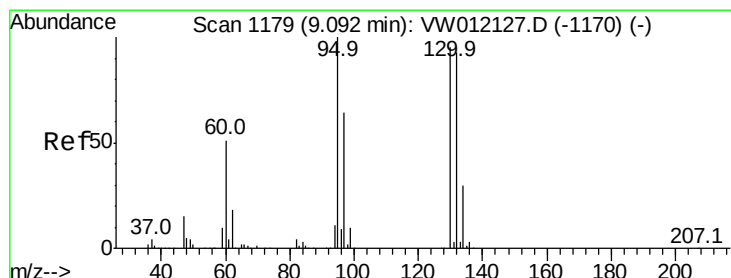
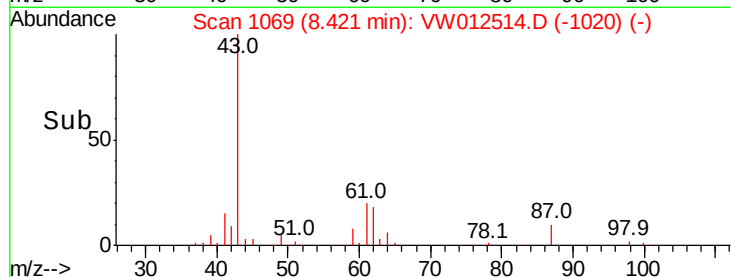
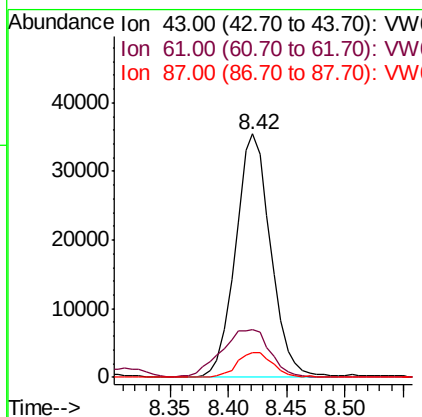
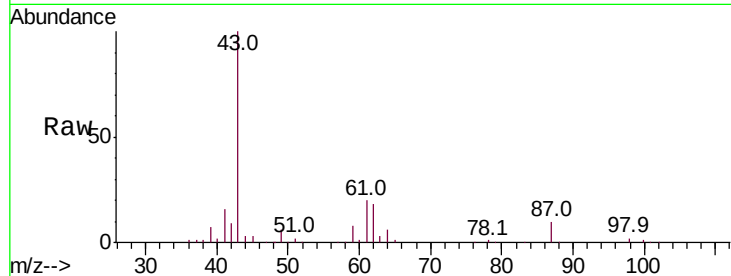
ClientSampleId :

VW0902SBS02

Tot Ion:	43	Resp:	74222
Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.1	31.7
87	10.8	8.2	12.2

Manual Integrations
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9/3/2019 10:55:58 AM



#44

Trichloroethene

Concen: 20.496 ug/l

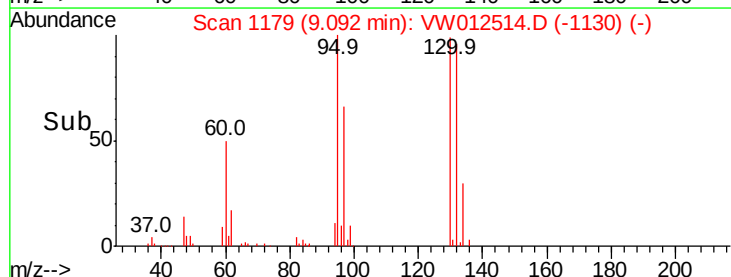
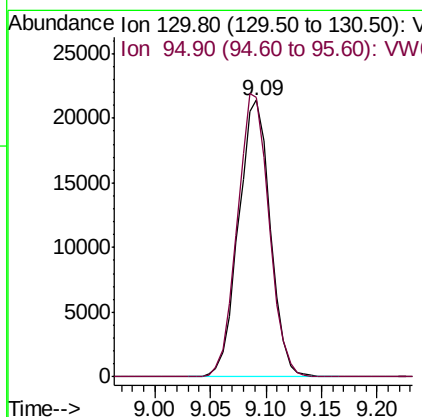
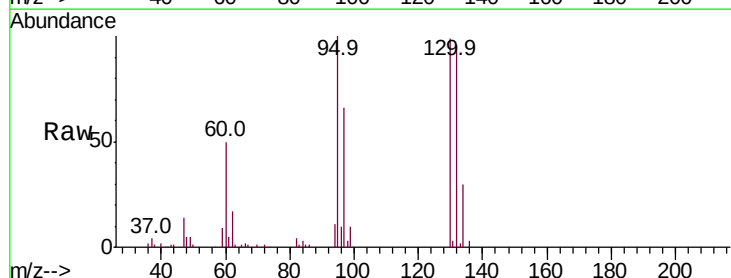
RT: 9.09 min Scan# 1179

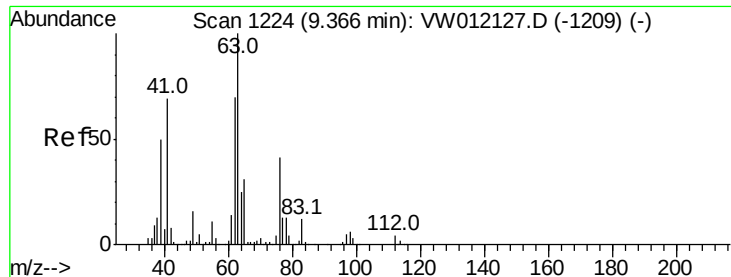
Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Tgt Ion:	130	Resp:	42230
Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	210.6





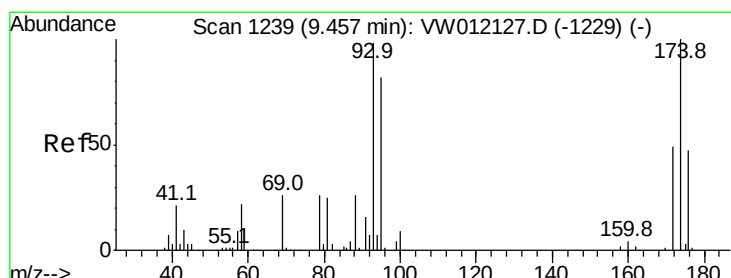
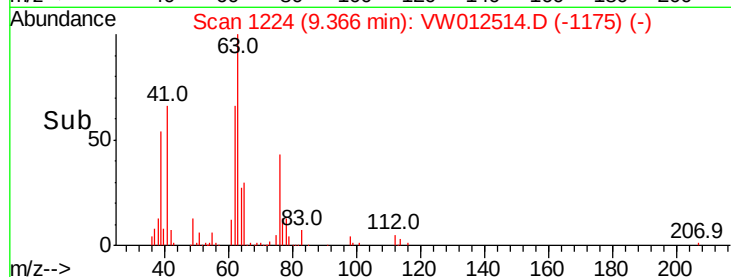
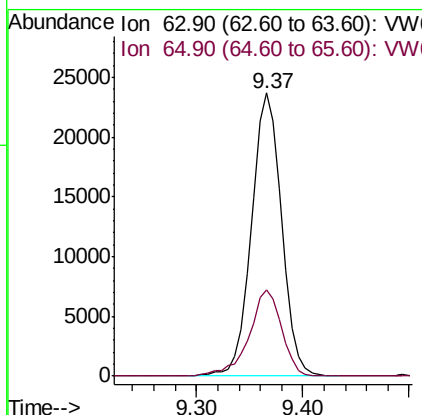
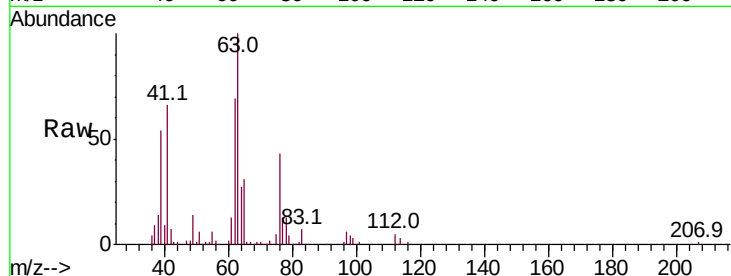
#45
 1,2-Dichloropropane
 Concen: 20.587 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampled :
 VW0902SBS02

Tot Ion: 63 Resp: 46960
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.4

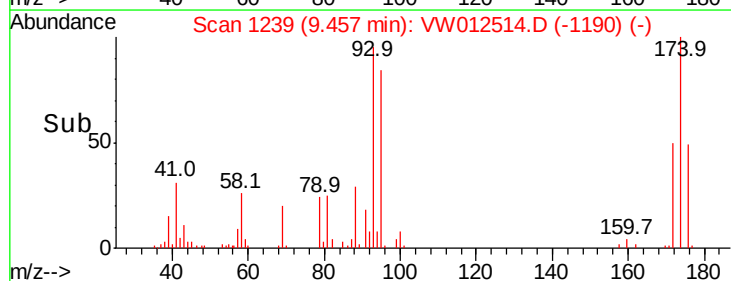
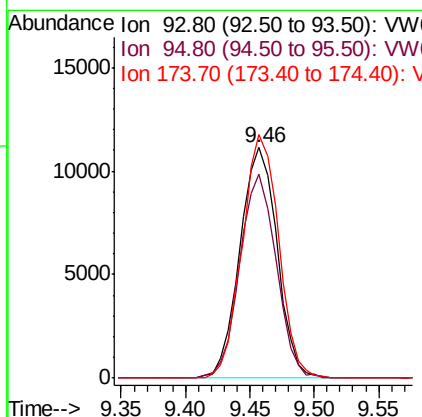
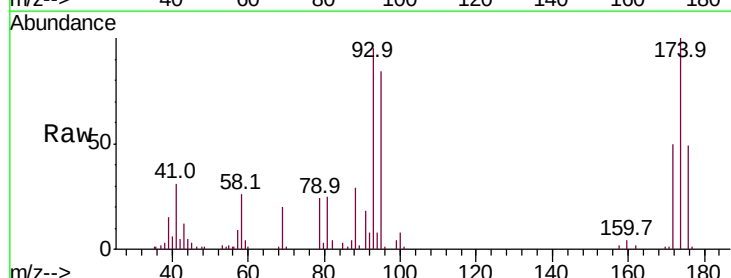
Manual Integrations
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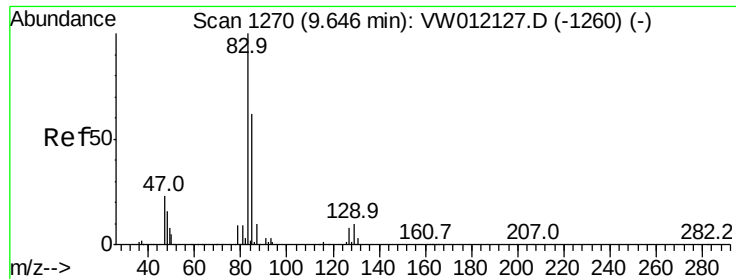
MMDadoda
 9/3/2019 10:55:58 AM



#46
 Dibromomethane
 Concen: 21.932 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Tgt Ion: 93 Resp: 22259
 Ion Ratio Lower Upper
 93 100
 95 86.7 67.2 100.8
 174 103.8 79.0 118.6





#47

Bromodichloromethane

Concen: 21.553 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

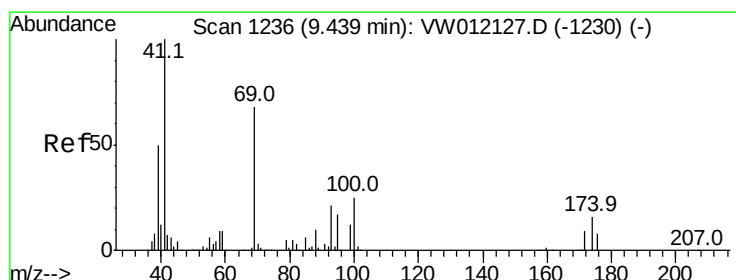
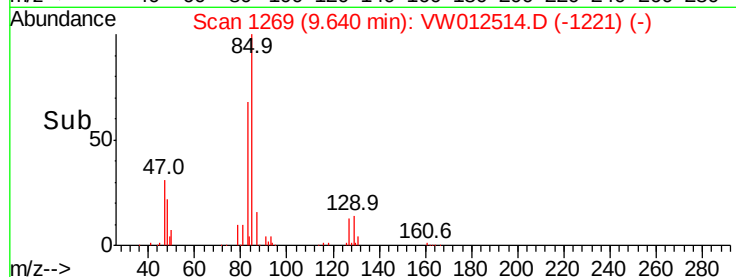
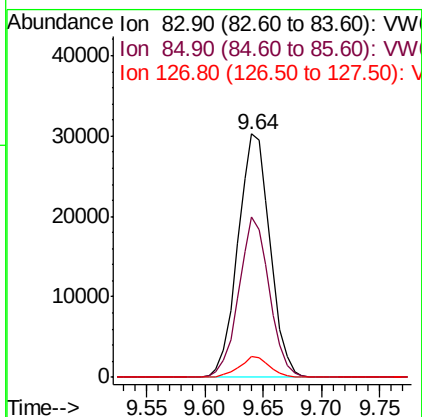
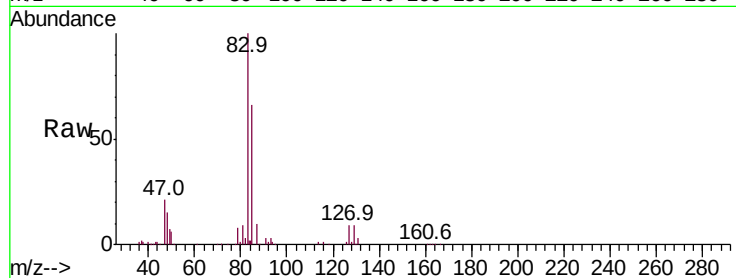
ClientSampleId :

VW0902SBS02

Tot Ion:	83	Resp:	58216
Ion Ratio	Lower	Upper	
83	100		
85	66.0	49.4	74.2
127	8.7	6.1	9.1

Manual Integrations
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9/3/2019 10:55:58 AM



#48

Methyl methacrylate

Concen: 23.448 ug/l

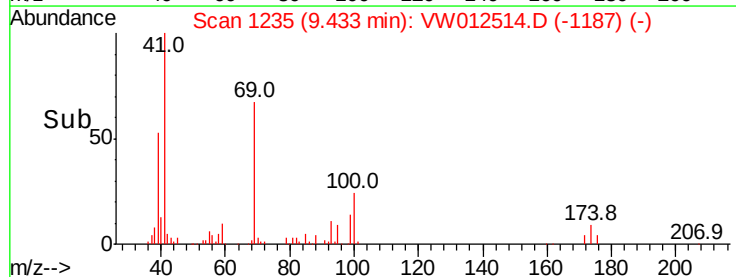
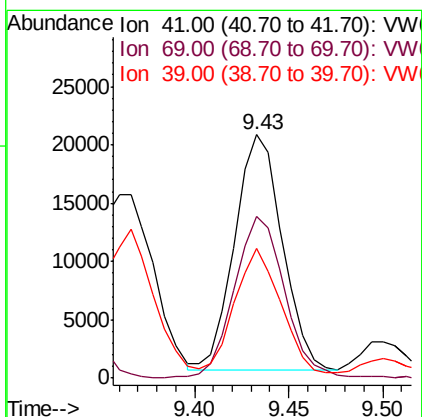
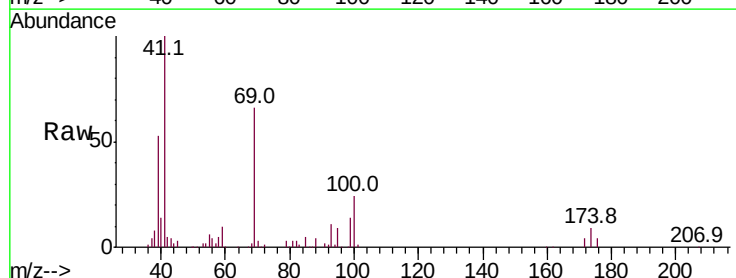
RT: 9.43 min Scan# 1235

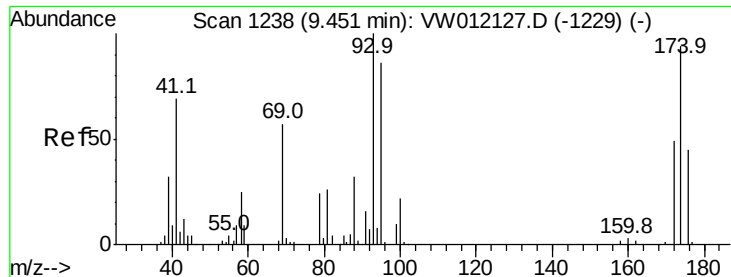
Delta R.T. -0.01 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Tgt Ion:	41	Resp:	35162
Ion Ratio	Lower	Upper	
41	100		
69	73.0	56.7	85.1
39	54.8	42.0	63.0





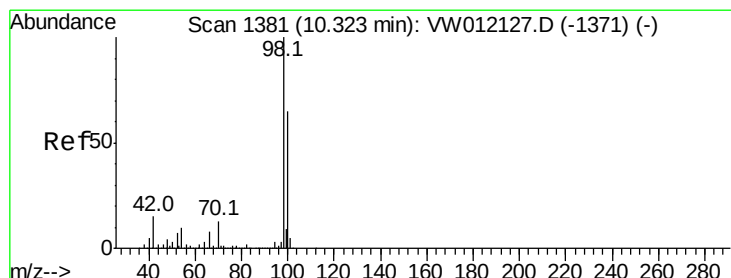
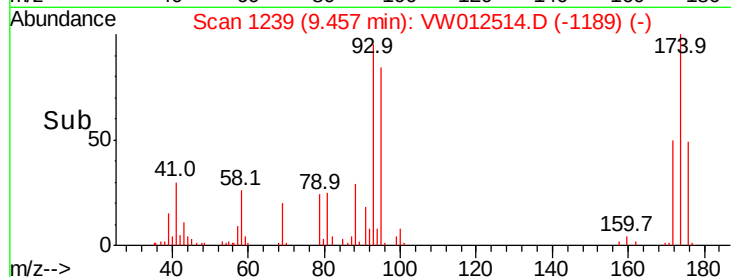
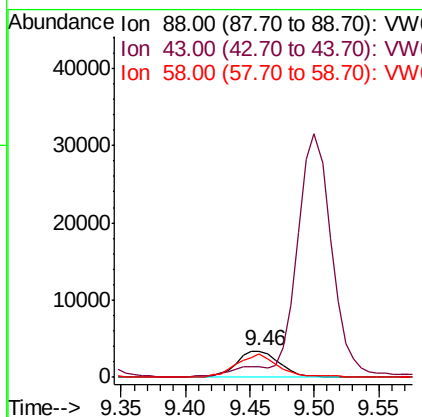
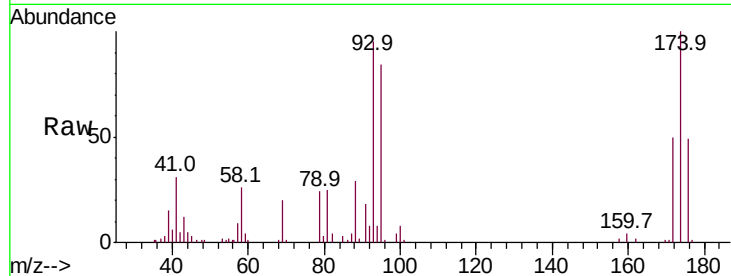
#49
1,4-Dioxane
Concen: 510.395 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS02

Tot Ion	88	Resp	7930
Ion	Ratio	Lower	Upper
88	100		
43	34.4	32.9	49.3
58	88.7	71.0	106.4

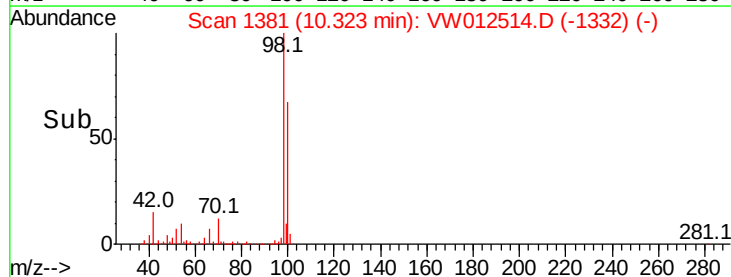
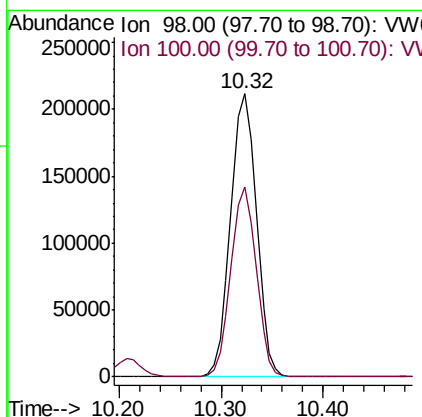
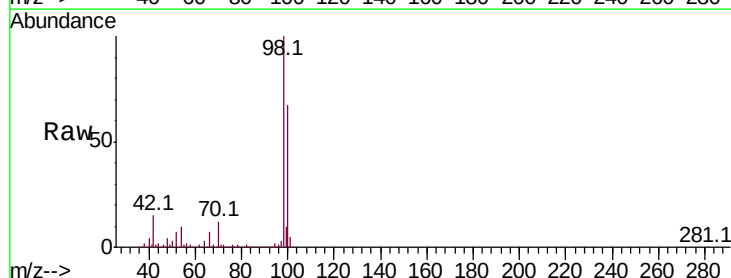
Manual Integrations
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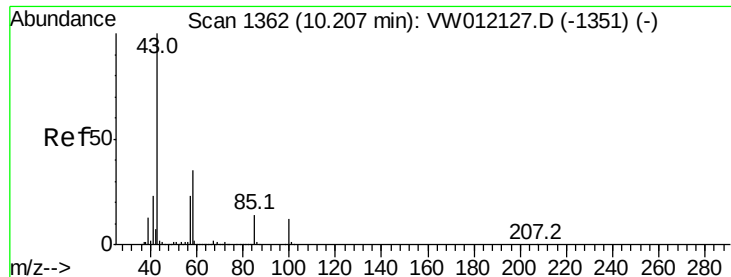
MMDadoda
9/3/2019 10:55:58 AM



#50
Toluene-d8
Concen: 51.293 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion	98	Resp	372884
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 123.263 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampled :

VW0902SBS02

Tot Ion: 43 Resp: 197532

Ion Ratio Lower Upper

43 100

58 35.3

28.2

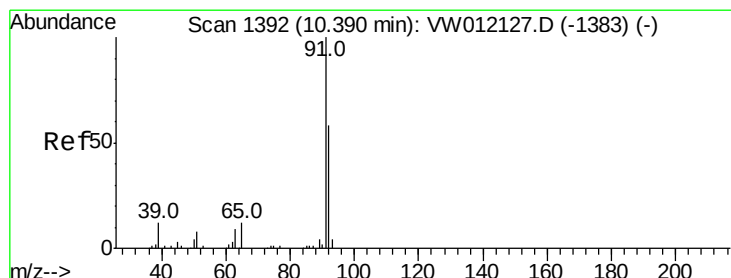
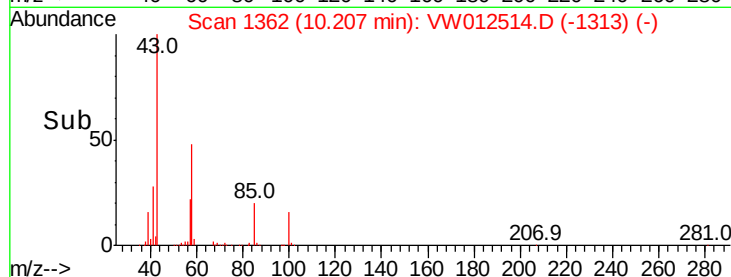
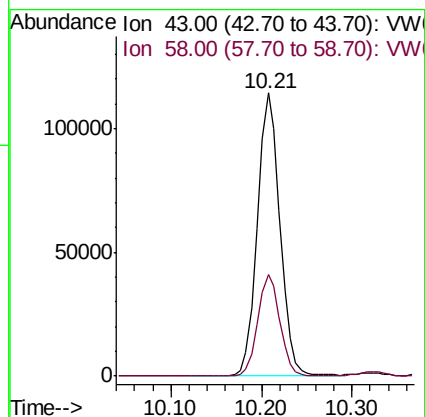
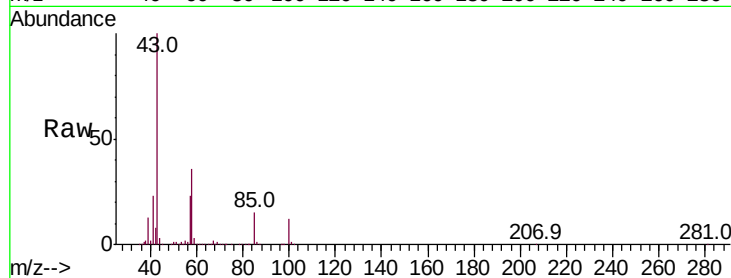
42.2

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#52

Toluene

Concen: 20.738 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Tgt Ion: 92 Resp: 105590

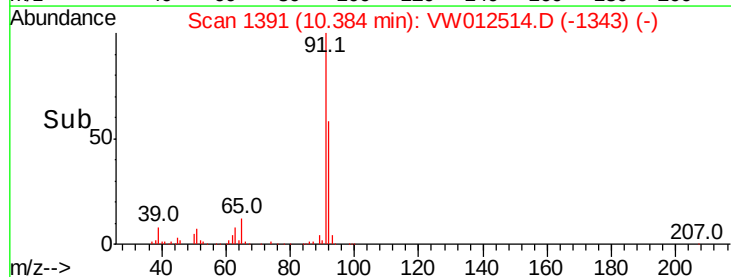
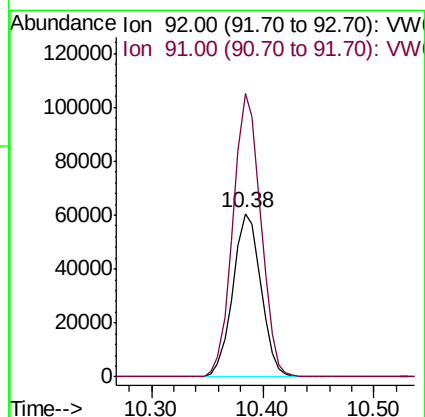
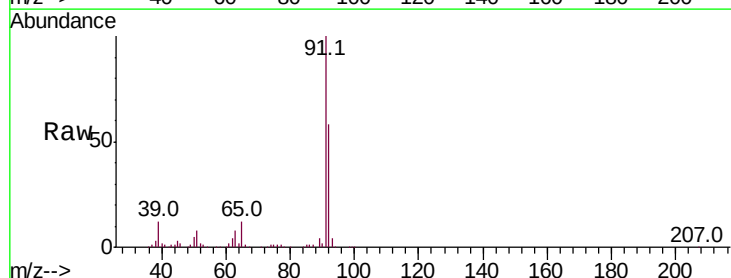
Ion Ratio Lower Upper

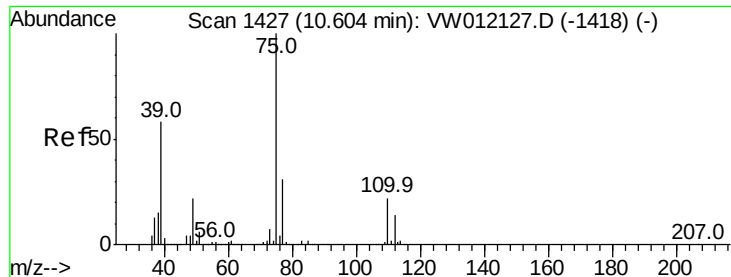
92 100

91 172.4

136.6

204.8





#53

t-1,3-Dichloropropene

Concen: 21.707 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W

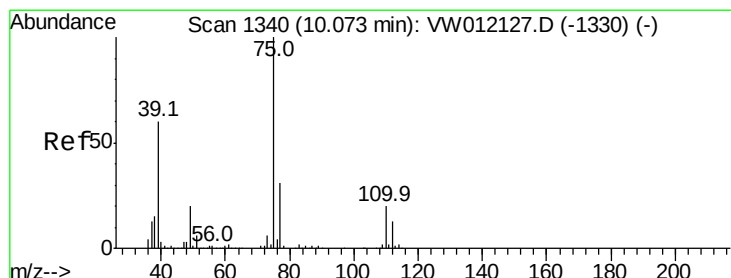
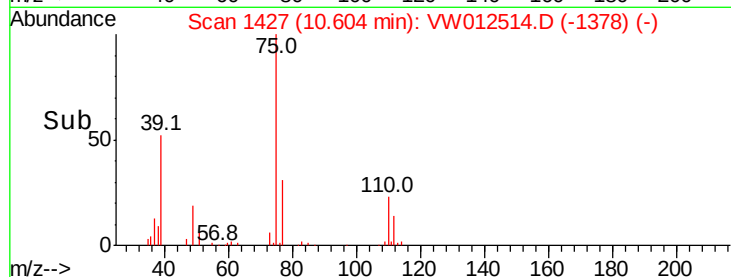
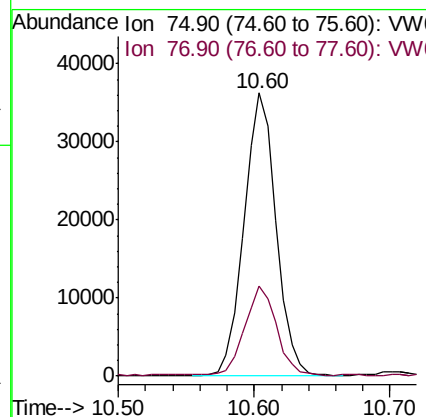
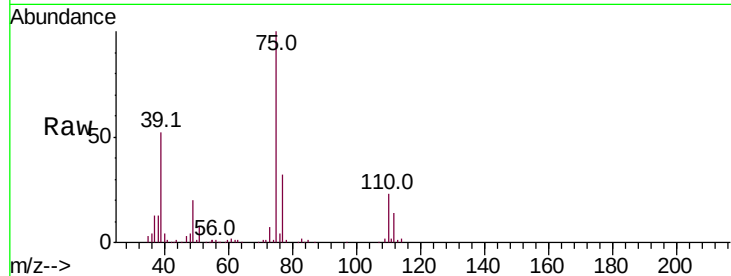
ClientSampled :
VW0902SBS02

Tot Ion: 75 Resp: 59725

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4

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#54

cis-1,3-Dichloropropene

Concen: 20.525 ug/l

RT: 10.07 min Scan# 1340

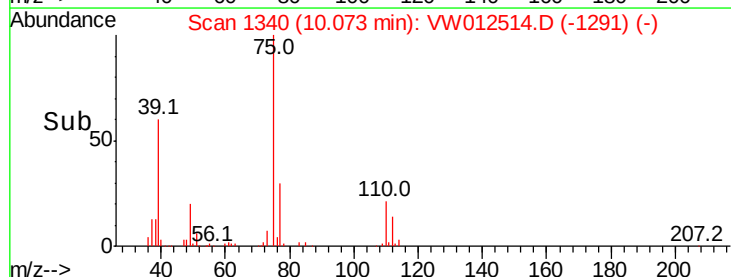
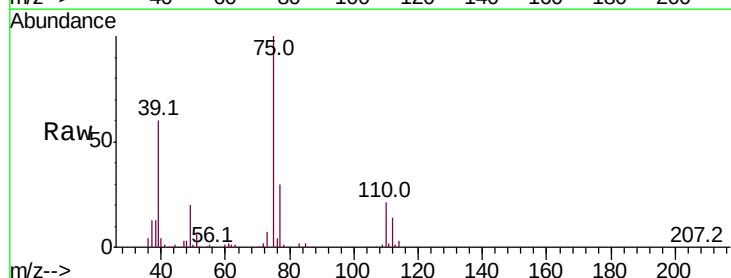
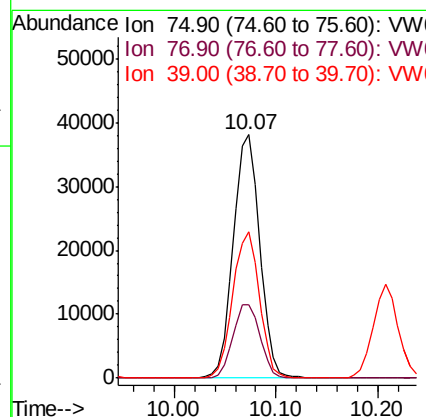
Delta R.T. -0.00 min

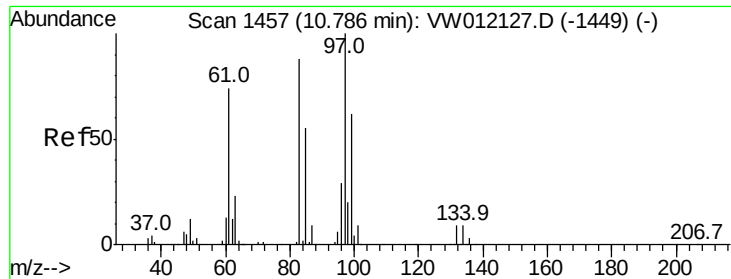
Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Tgt Ion: 75 Resp: 68188

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.1	37.7
39	60.1	48.3	72.5





#55

1,1,2-Trichloroethane

Concen: 23.091 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

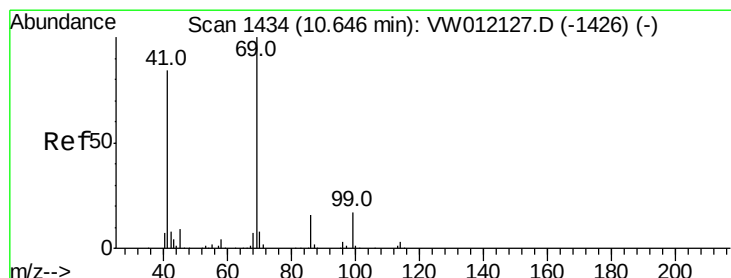
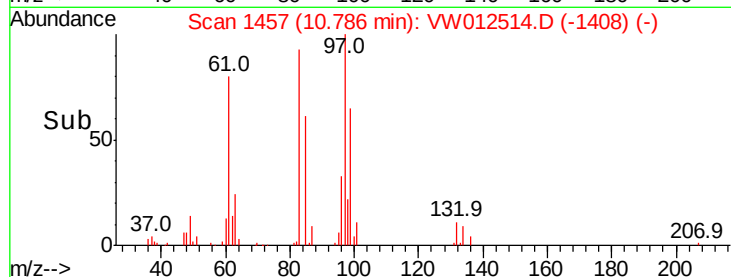
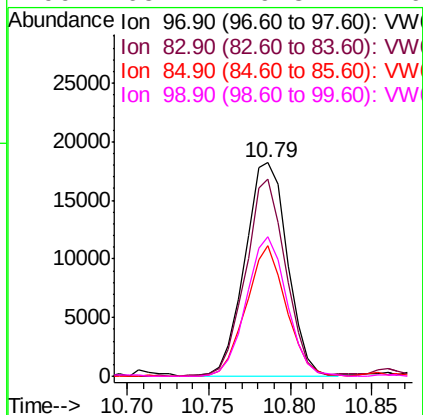
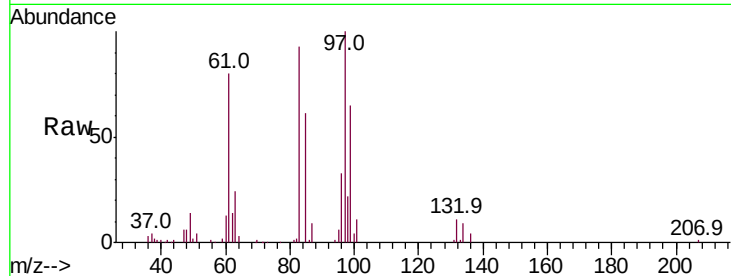
ClientSampled :

VW0902SBS02

Tot Ion:	97	Resp:	33157
Ion	Ratio	Lower	Upper
97	100		
83	92.2	70.8	106.2
85	61.1	43.8	65.8
99	65.1	49.8	74.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 23.541 ug/l

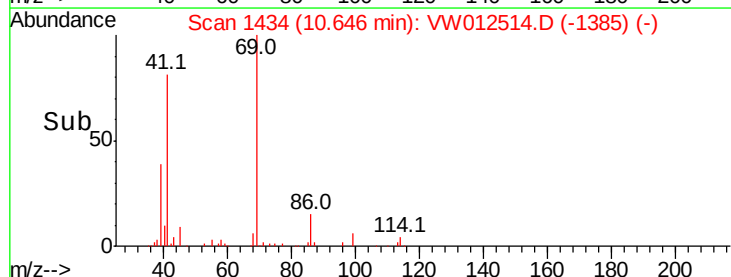
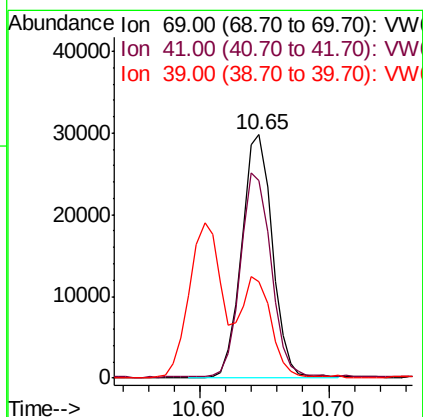
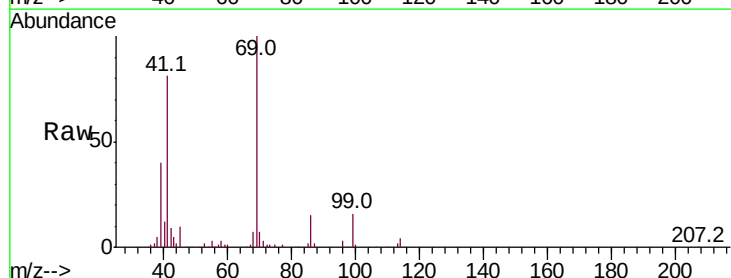
RT: 10.65 min Scan# 1434

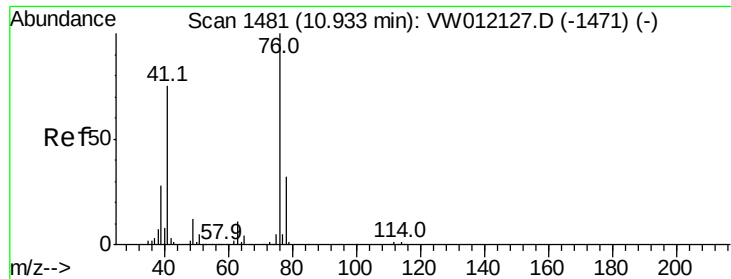
Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Tgt Ion:	69	Resp:	49199
Ion	Ratio	Lower	Upper
69	100		
41	83.0	66.5	99.7
39	36.0	31.0	46.4





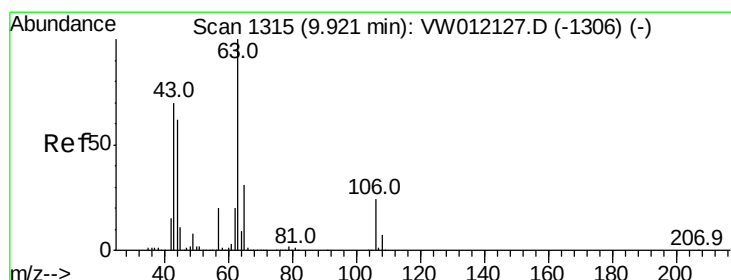
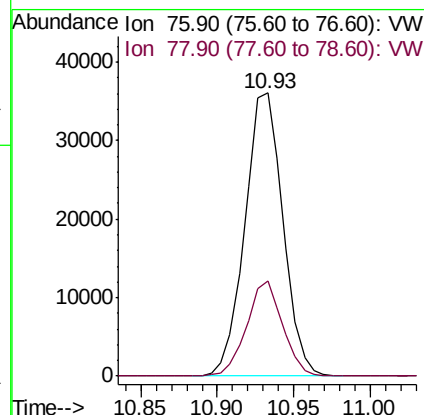
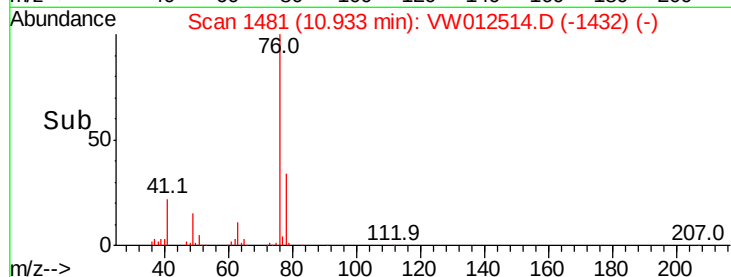
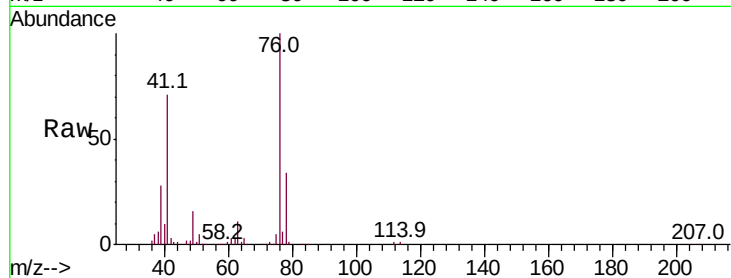
#57
 1,3-Dichloropropane
 Concen: 22.990 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBS02

Tot Ion: 76 Resp: 62386
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8

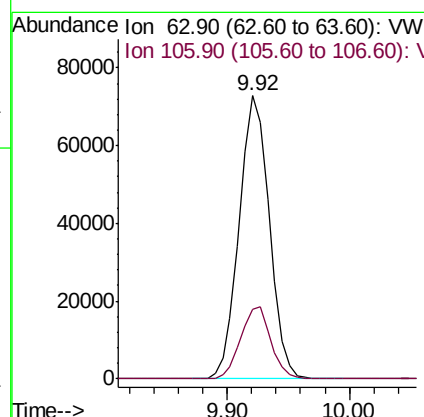
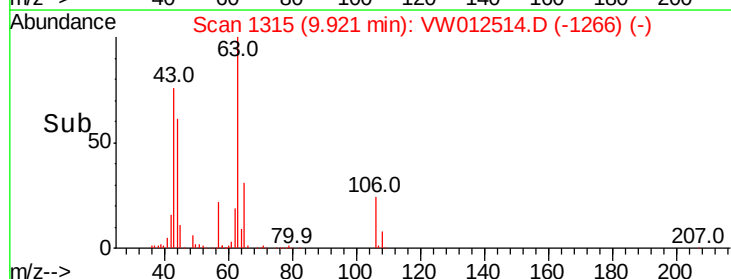
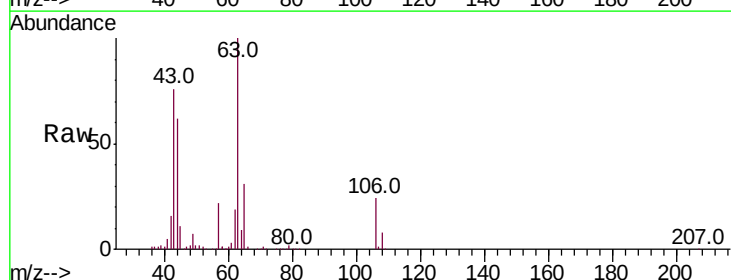
Manual Integrations
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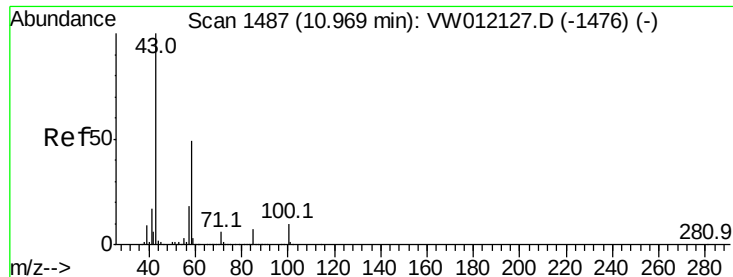
MMDadoda
 9/3/2019 10:55:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.055 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Tgt Ion: 63 Resp: 124479
 Ion Ratio Lower Upper
 63 100
 106 25.4 19.8 29.8





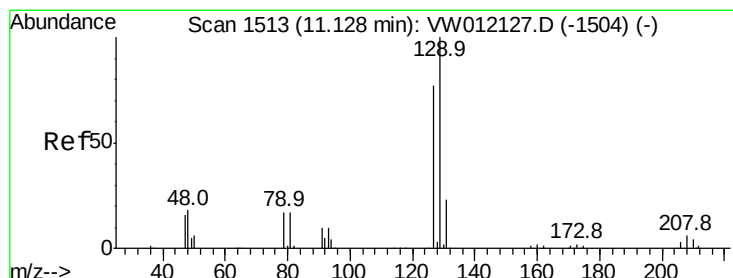
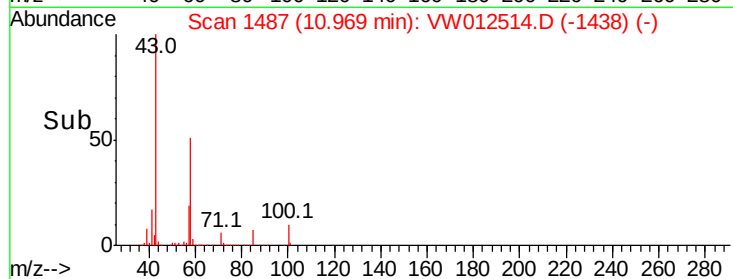
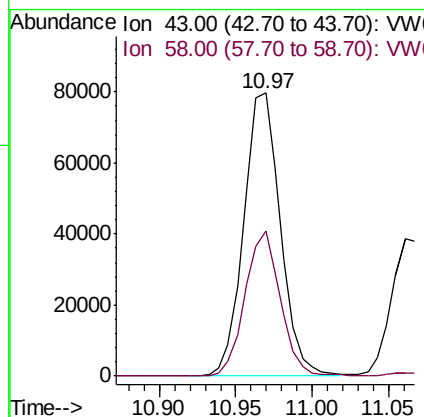
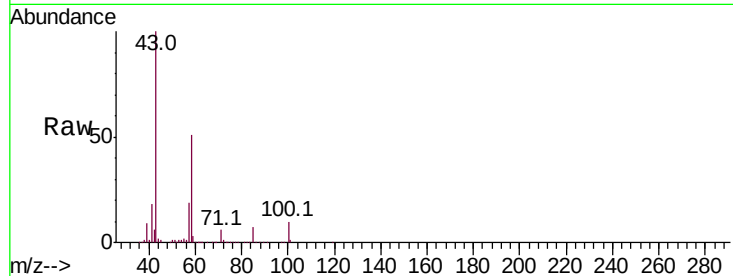
#59
2-Hexanone
Concen: 116.472 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampled :
VW0902SBS02

Tot Ion	43	58	Ratio	100	49.5	Resp	132066	Lower	24.3	Upper	72.9
Ion	43	58	Ratio	100	49.5	Resp	132066	Lower	24.3	Upper	72.9

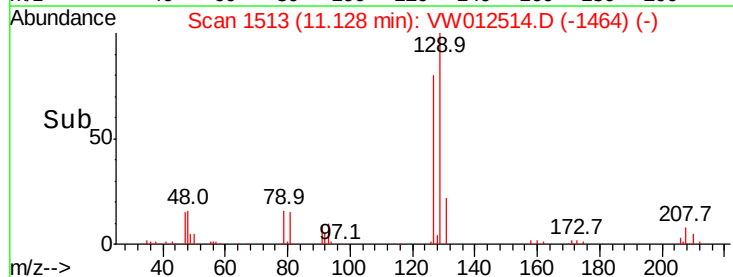
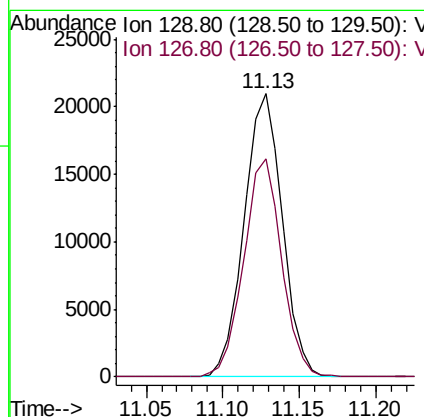
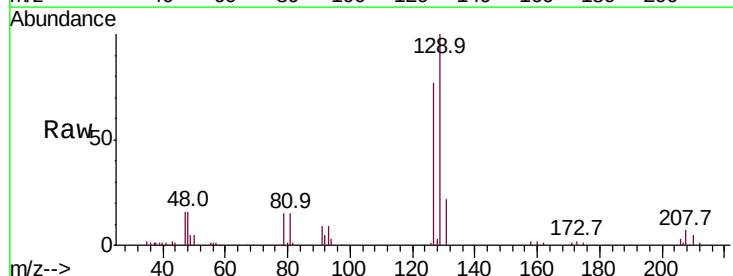
Manual Integrations
APPROVED

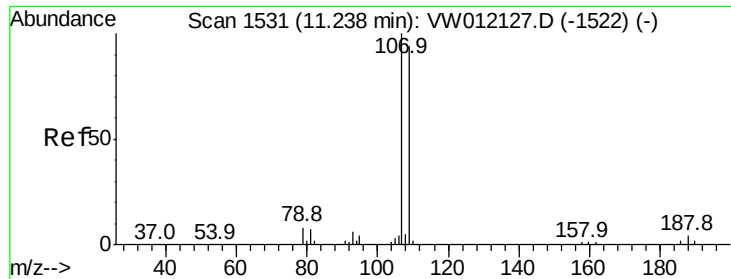
MMDadoda
9/3/2019 10:55:58 AM



#60
Dibromochloromethane
Concen: 22.773 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion	129	127	Ratio	100	76.4	Resp	36423	Lower	38.6	Upper	115.8
Ion	129	127	Ratio	100	76.4	Resp	36423	Lower	38.6	Upper	115.8





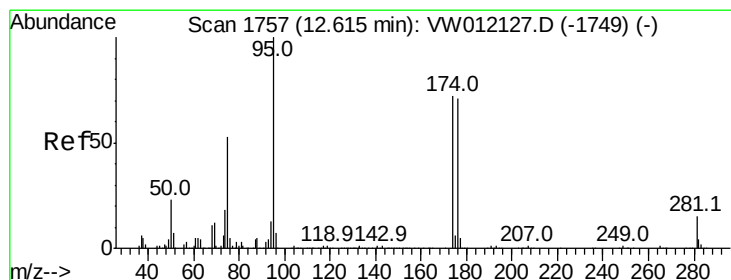
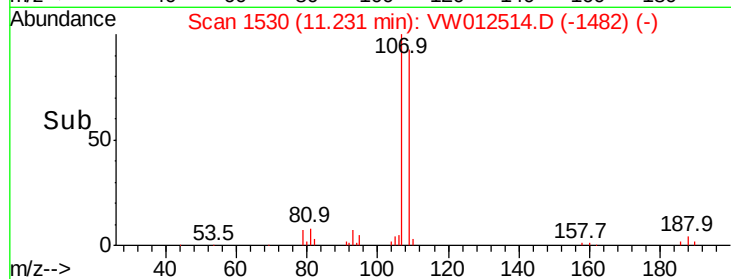
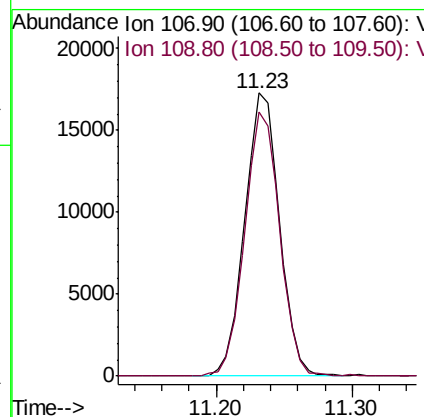
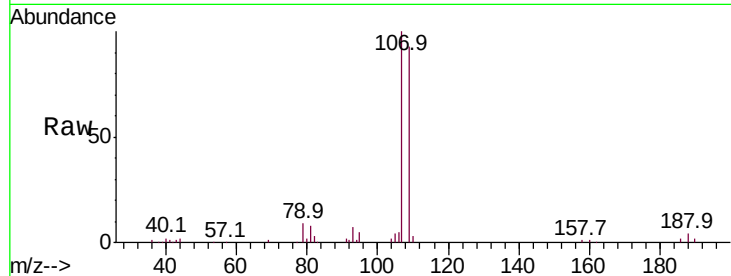
#61
 1,2-Dibromoethane
 Concen: 23.113 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.2

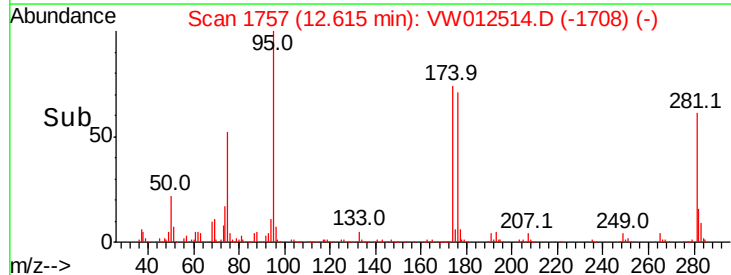
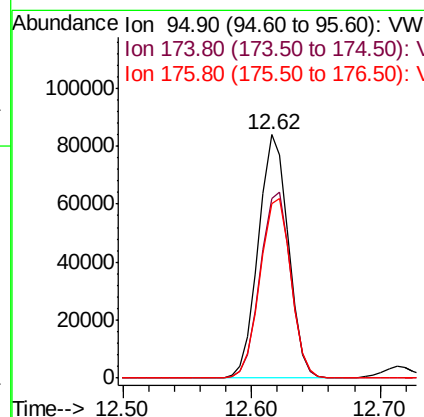
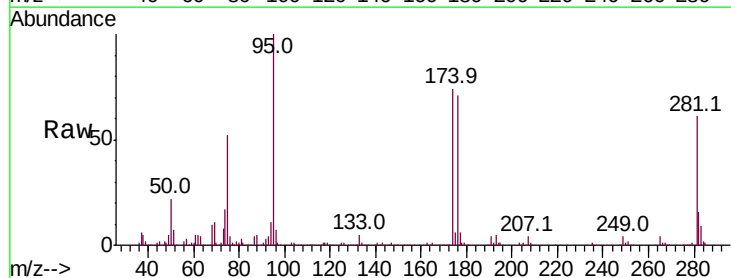
Manual Integrations
 APPROVED

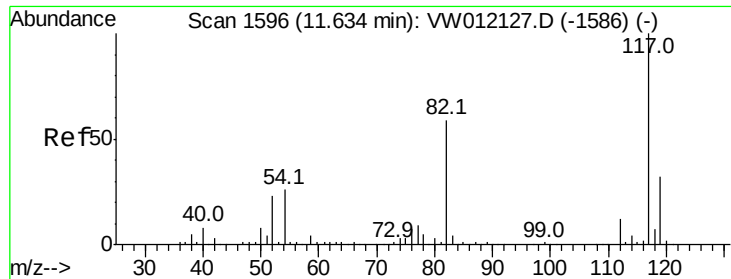
MMDadoda
 9/3/2019 10:55:58 AM



#62
 4-Bromofluorobenzene
 Concen: 52.480 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	150.8
176	76.1	0.0	148.6





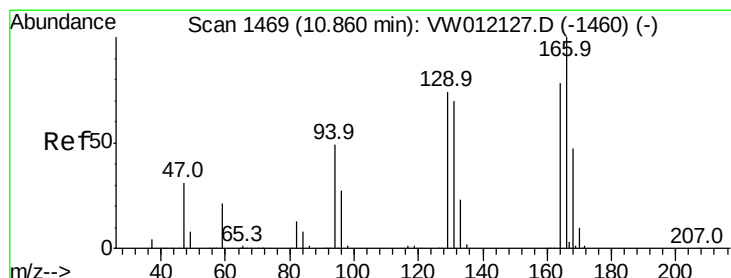
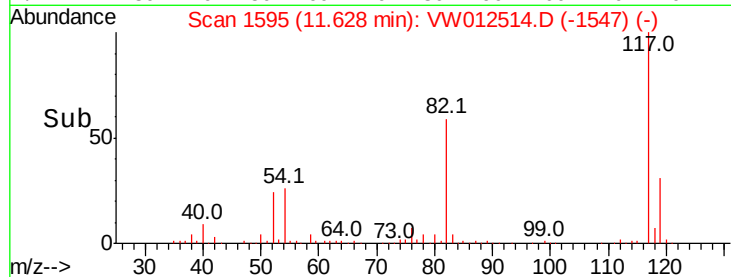
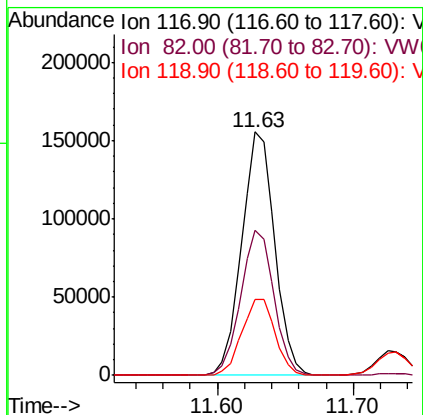
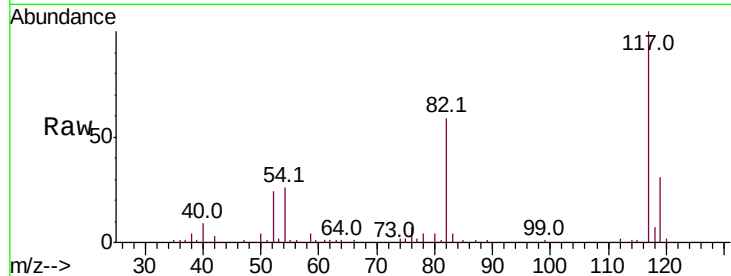
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	262957		
82	59.4		47.4	71.2
119	31.4		25.4	38.2

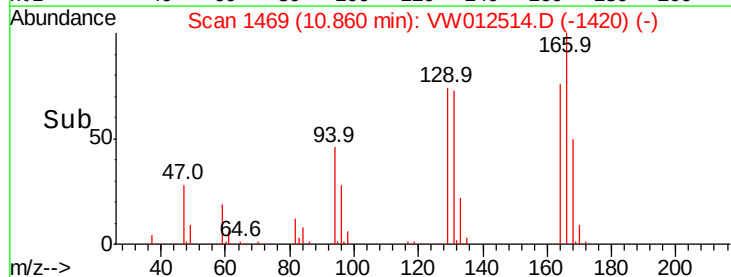
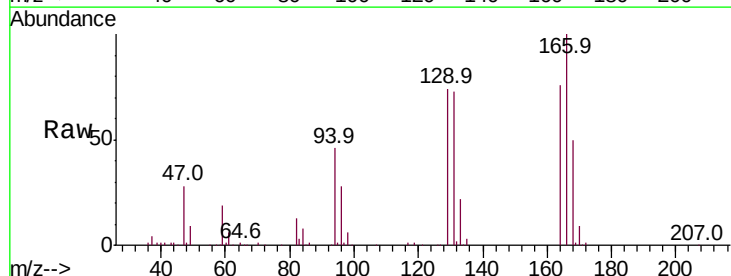
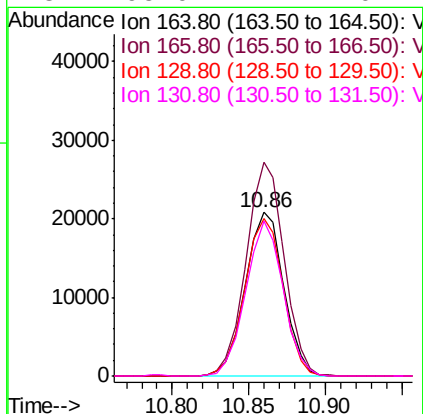
Manual Integrations
APPROVED

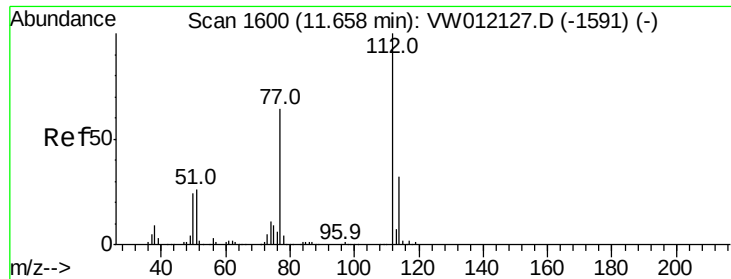
MMDadoda
9/3/2019 10:55:58 AM



#64
Tetrachloroethene
Concen: 21.387 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	36461		
166	130.8		102.4	153.6
129	96.3		75.8	113.6
131	95.0		71.4	107.2





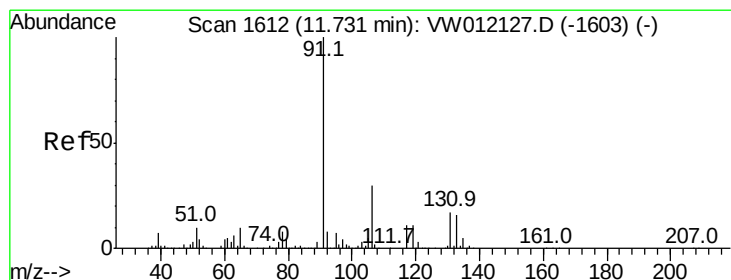
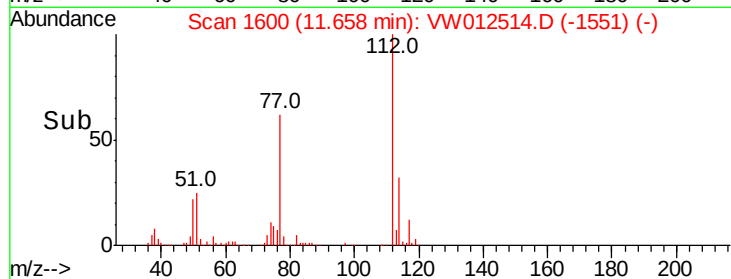
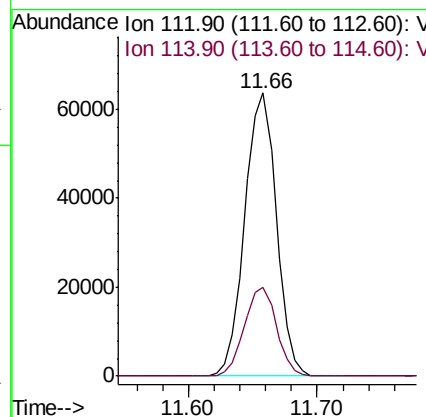
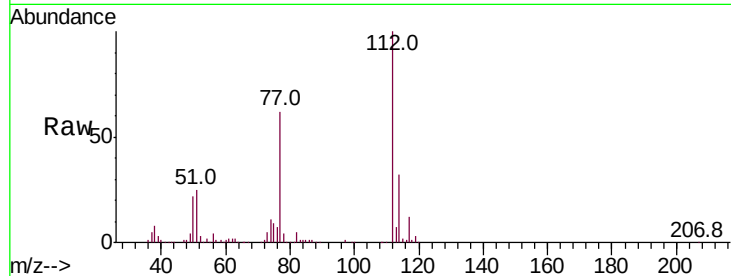
#65
Chlorobenzene
Concen: 20.838 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.6

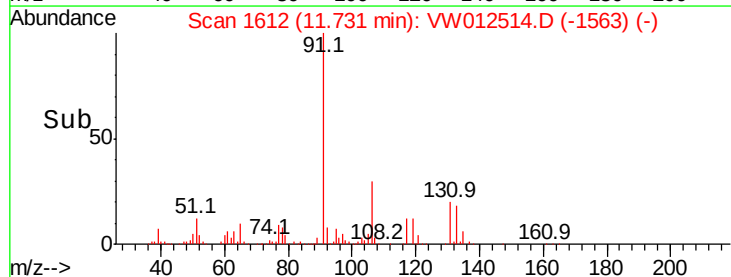
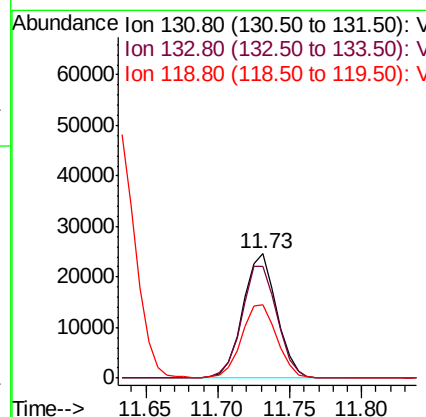
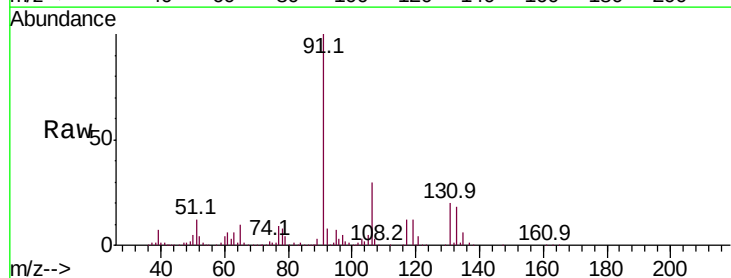
Manual Integrations
APPROVED

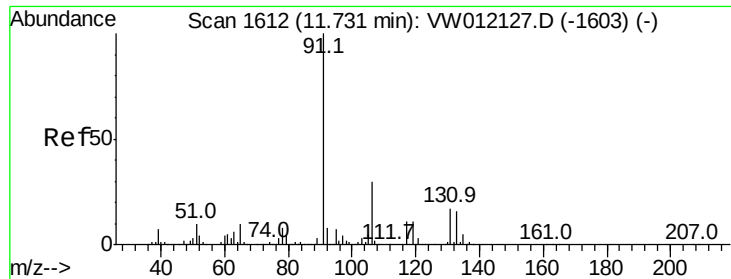
MMDadoda
9/3/2019 10:55:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.171 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.1	141.3
119	62.2	31.8	95.3





#67

Ethyl Benzene

Concen: 20.586 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBS02

Tot Ion: 91 Resp: 205334

Ion Ratio Lower Upper

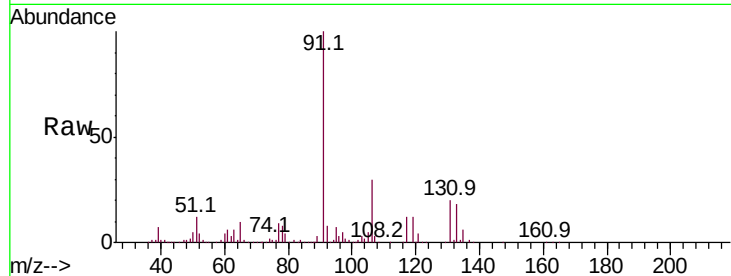
91 100

106 30.2 24.3 36.5

Manual Integrations
APPROVED

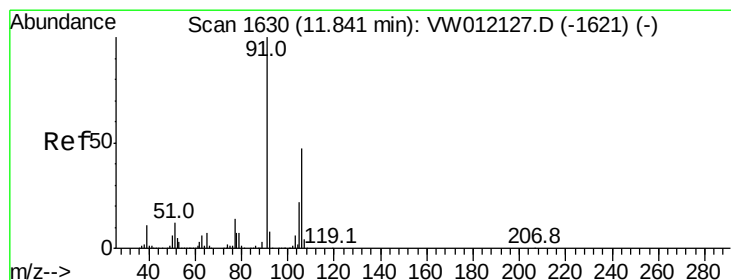
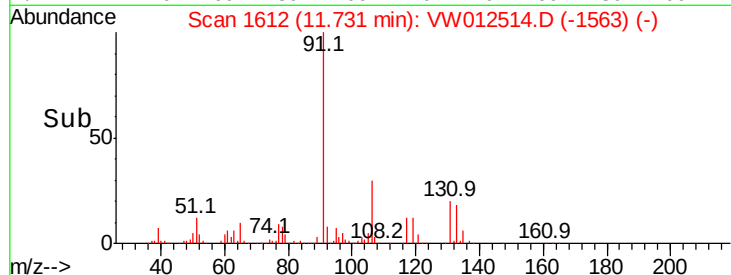
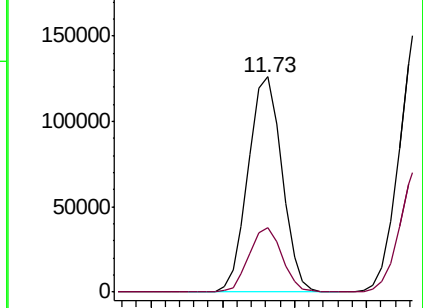
MMDadoda

9/3/2019 10:55:58 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.104 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012514.D

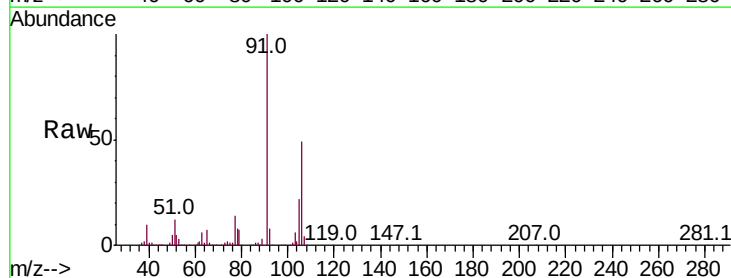
Acq: 02 Sep 2019 22:55

Tgt Ion: 106 Resp: 147681

Ion Ratio Lower Upper

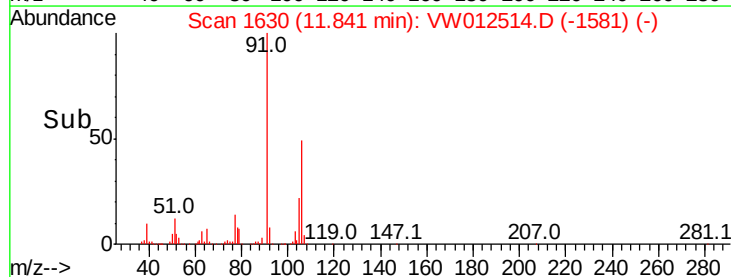
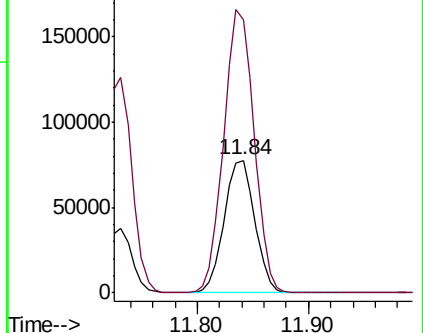
106 100

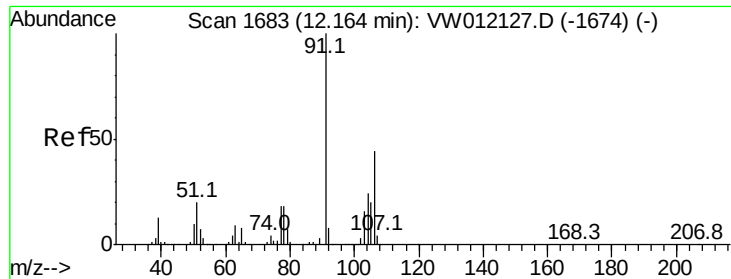
91 211.9 169.5 254.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





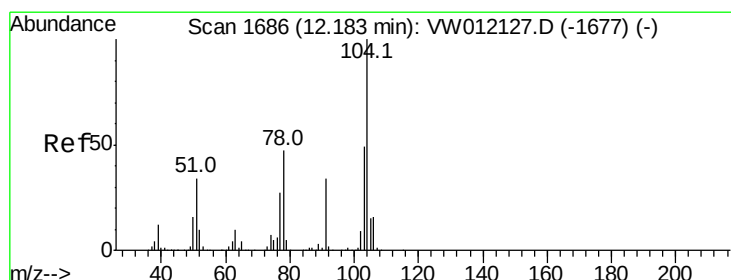
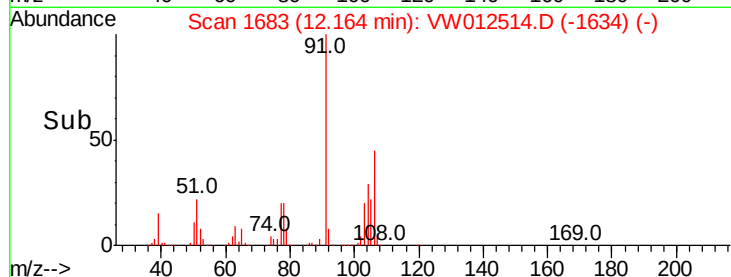
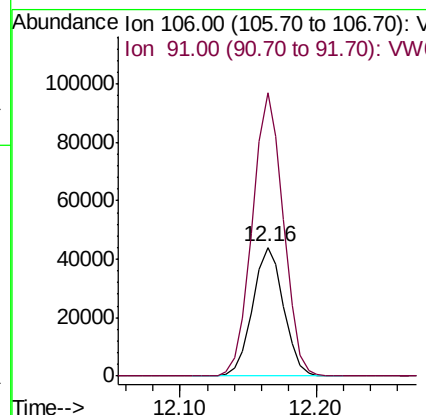
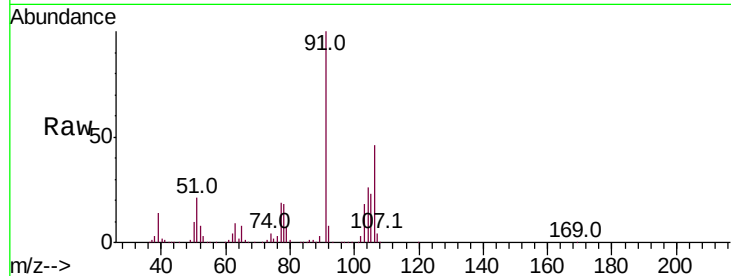
#69
o-Xylene
Concen: 21.120 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampled :
VW0902SBS02

Tot Ion:106 Resp: 70231
Ion Ratio Lower Upper
106 100
91 221.3 111.6 334.6

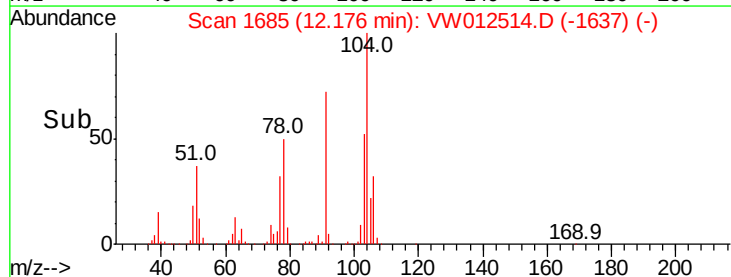
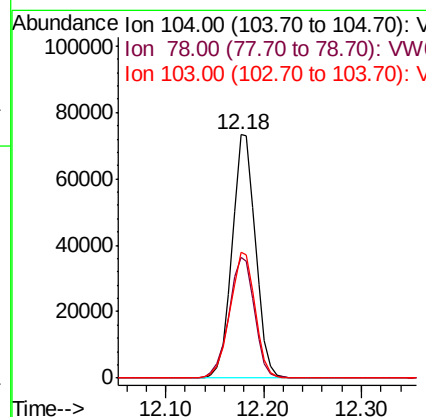
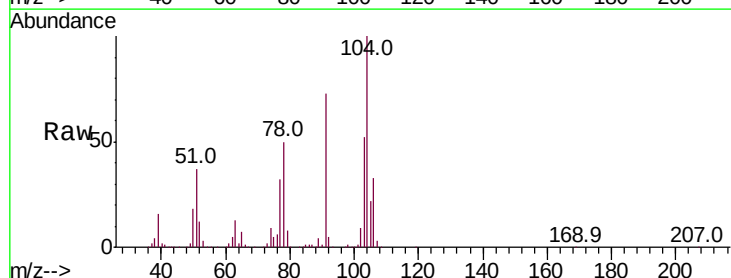
Manual Integrations
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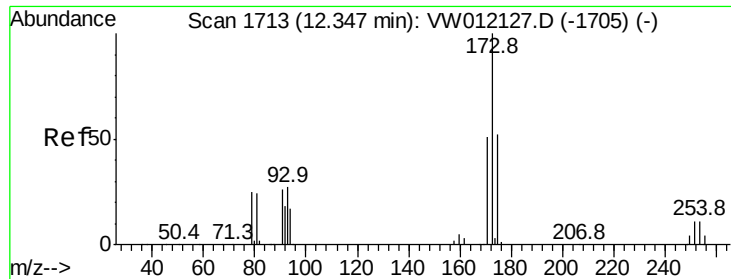
MMDadoda
9/3/2019 10:55:58 AM



#70
Styrene
Concen: 21.179 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion:104 Resp: 121901
Ion Ratio Lower Upper
104 100
78 54.0 43.1 64.7
103 55.0 43.5 65.3





#71

Bromoform

Concen: 23.792 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBS02

Tot Ion:173 Resp: 21412

Ion Ratio Lower Upper

173 100

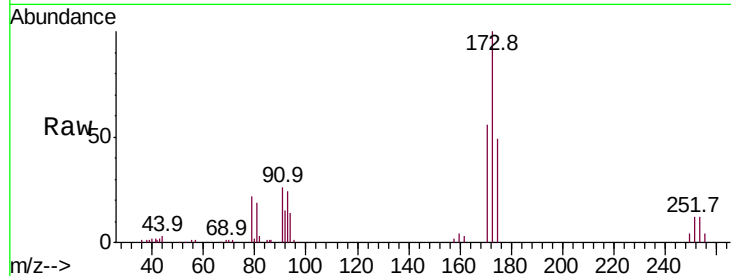
175 49.9 24.6 74.0

254 0.0 0.2 0.2#

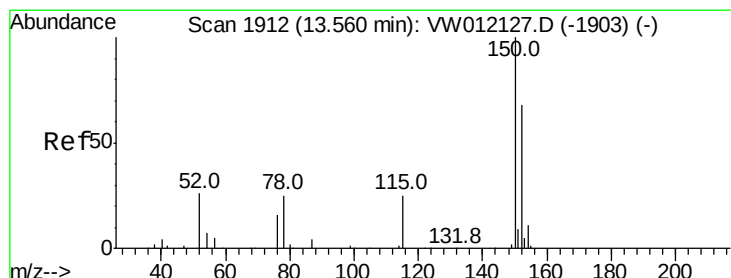
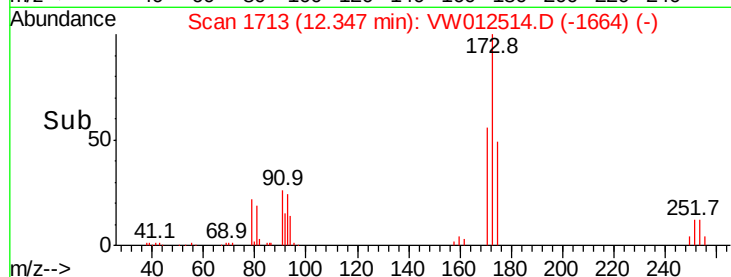
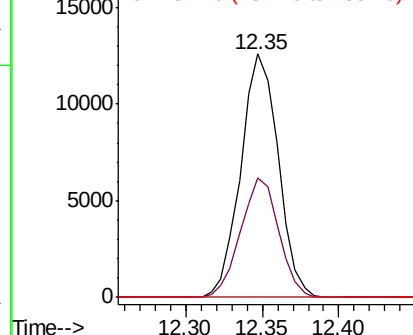
Manual Integrations
APPROVED

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

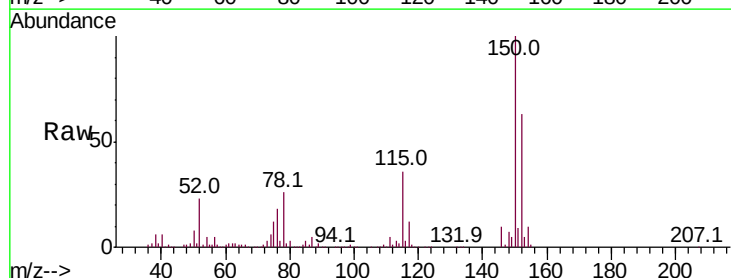
Tgt Ion:152 Resp: 127706

Ion Ratio Lower Upper

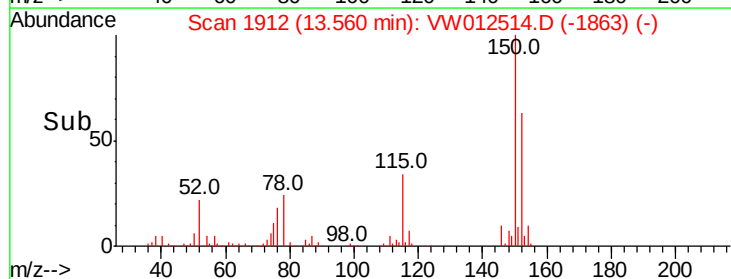
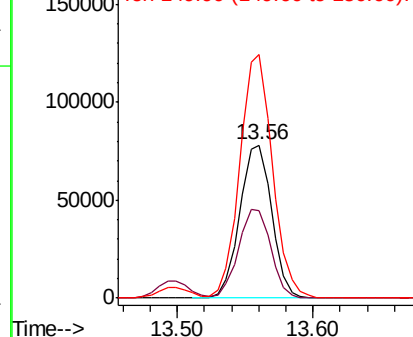
152 100

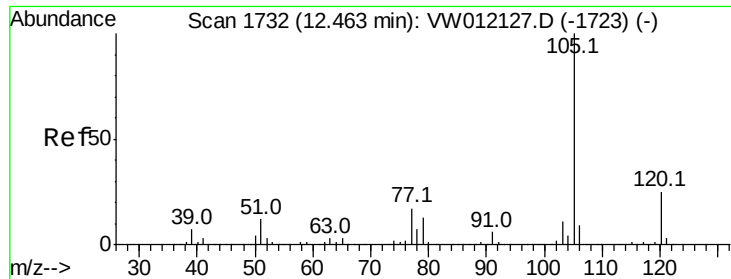
115 59.0 30.1 90.3

150 163.5 0.0 345.8



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





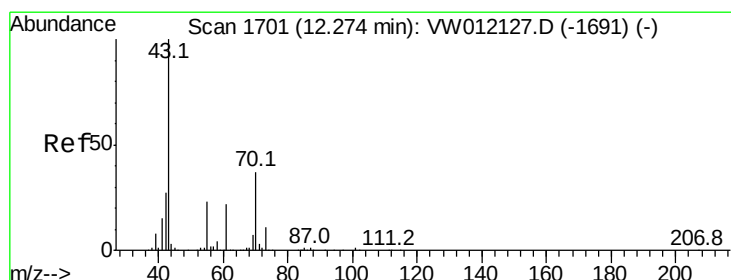
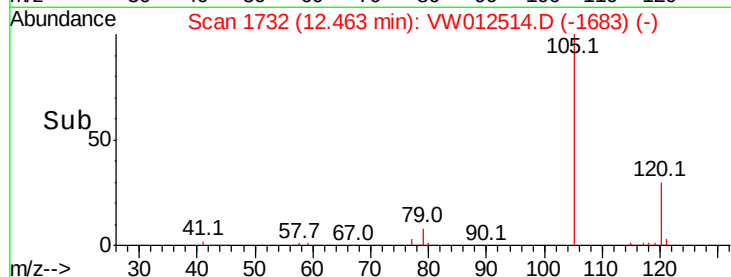
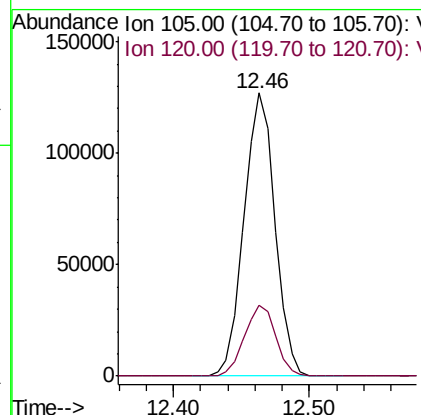
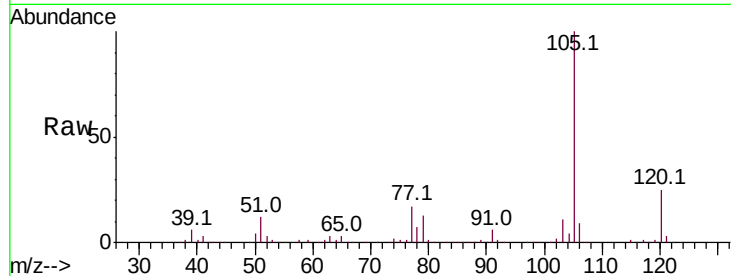
#73
Isopropylbenzene
Concen: 21.085 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS02

Tot Ion:105 Resp: 201770
Ion Ratio Lower Upper
105 100
120 25.3 12.5 37.5

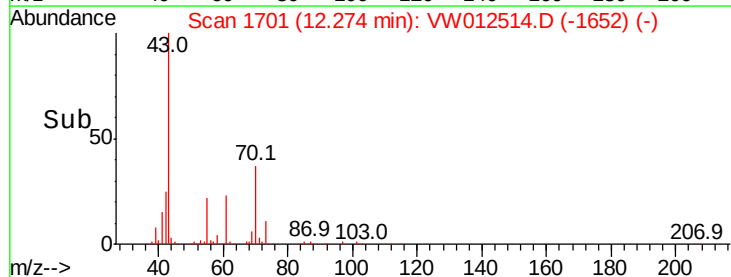
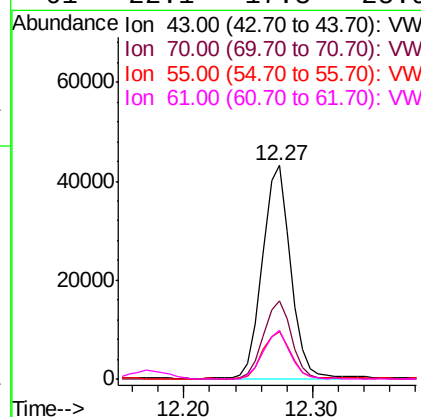
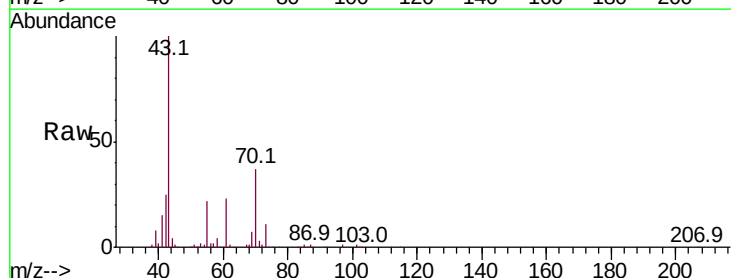
Manual Integrations
APPROVED

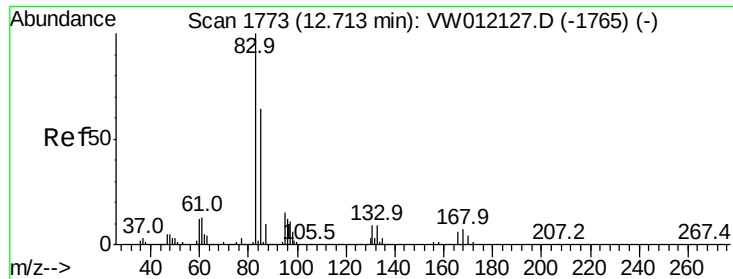
MMDadoda
9/3/2019 10:55:58 AM



#74
N-ethyl acetate
Concen: 22.451 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion: 43 Resp: 64908
Ion Ratio Lower Upper
43 100
70 36.9 28.6 43.0
55 22.4 17.8 26.6
61 22.1 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 23.761 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

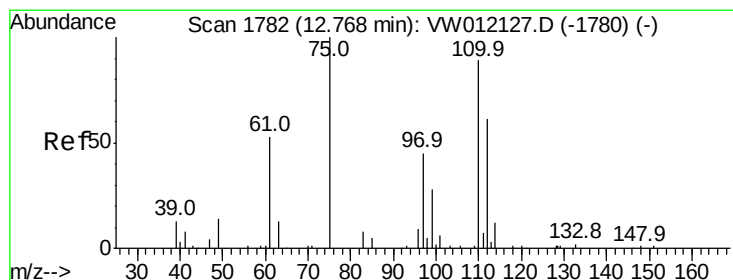
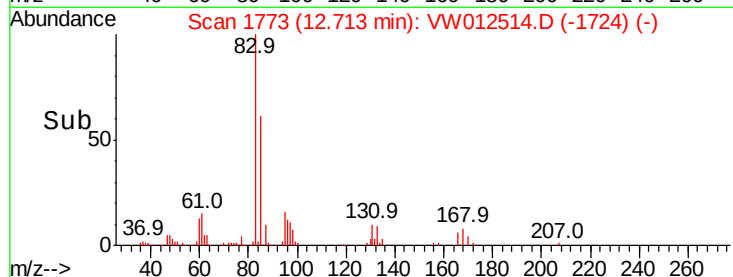
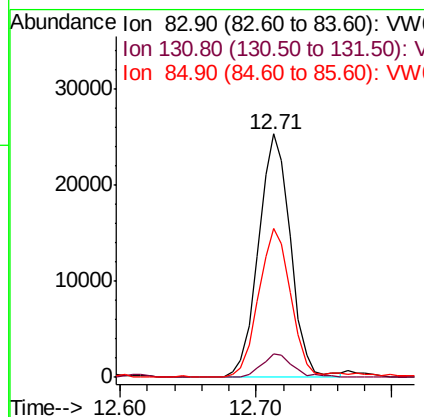
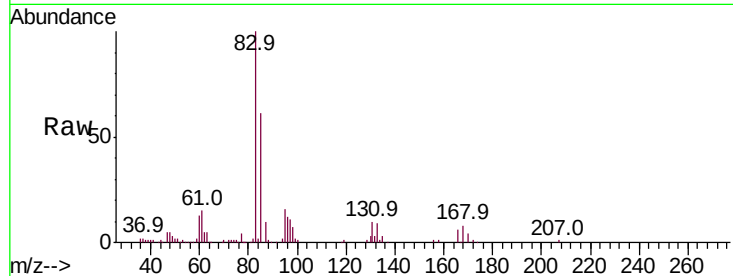
ClientSampleId :

VW0902SBS02

Tot Ion:	83	Resp:	41685
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.7
85	61.4	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:55:58 AM



#76

1,2,3-Trichloropropane

Concen: 21.768 ug/l m

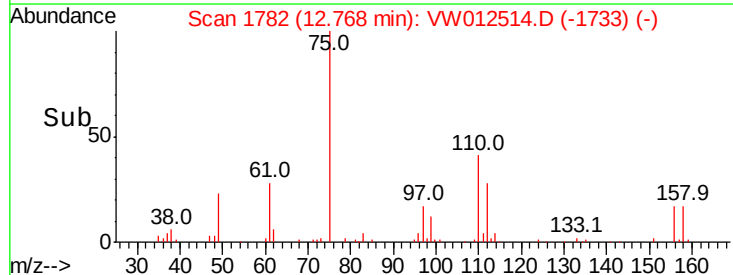
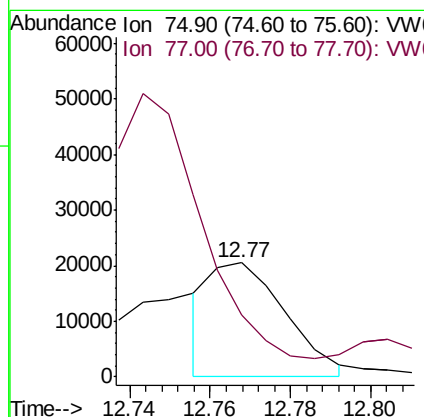
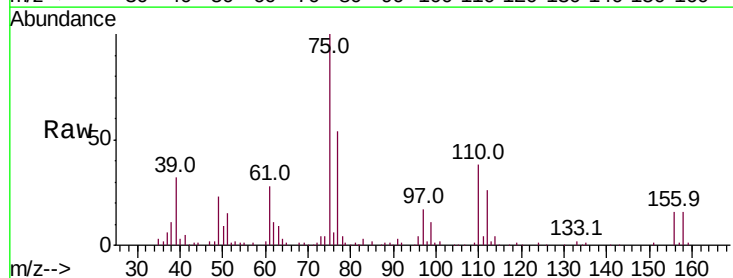
RT: 12.77 min Scan# 1782

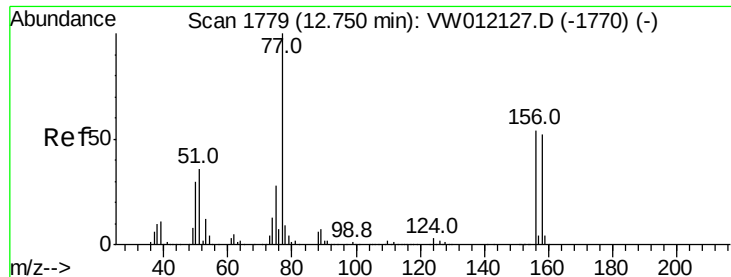
Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Tgt Ion:	75	Resp:	27074
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.548 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampled :

VW0902SBS02

Tot Ion:156 Resp: 44608

Ion Ratio Lower Upper

156 100

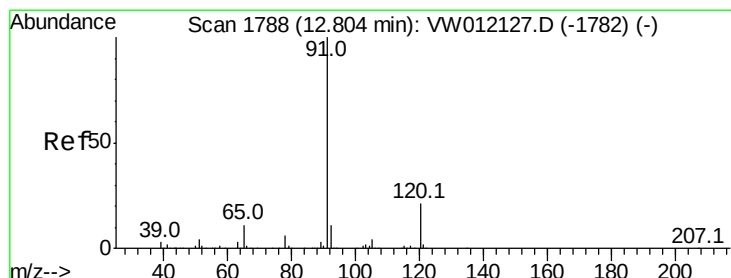
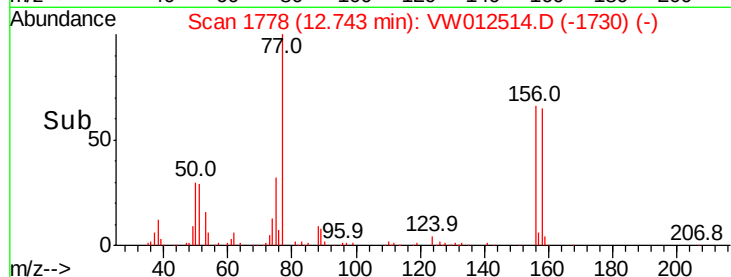
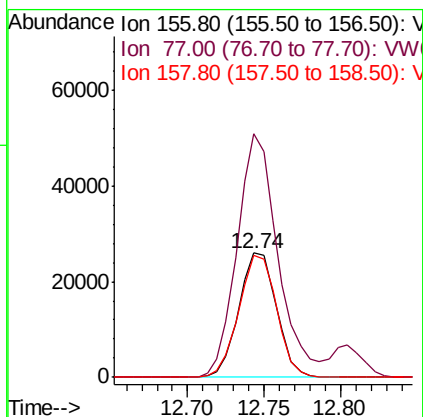
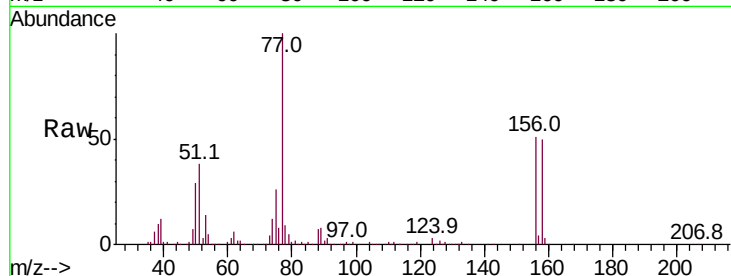
77 211.4 107.3 321.8

158 98.0 49.0 147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 20.512 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012514.D

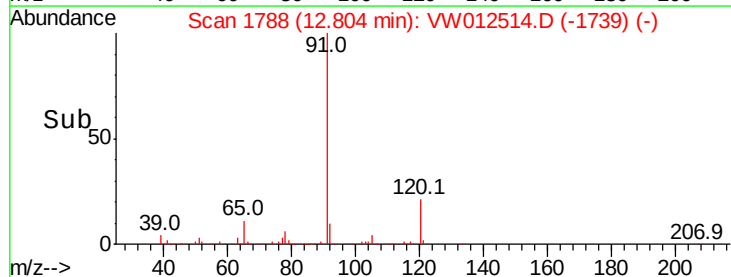
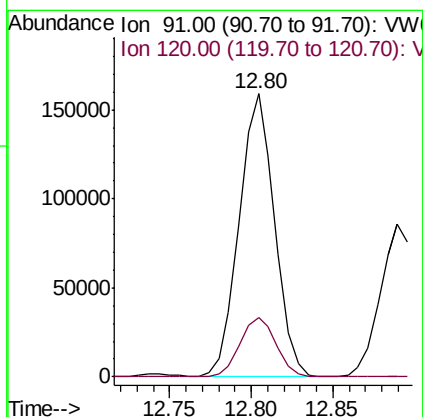
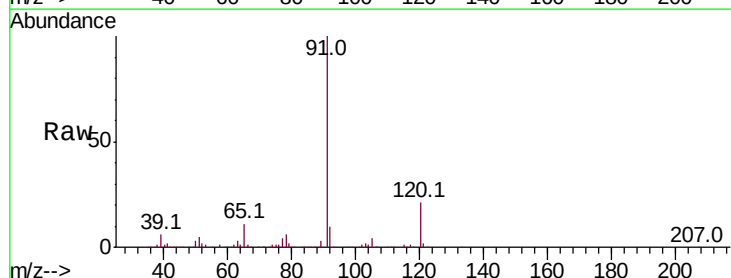
Acq: 02 Sep 2019 22:55

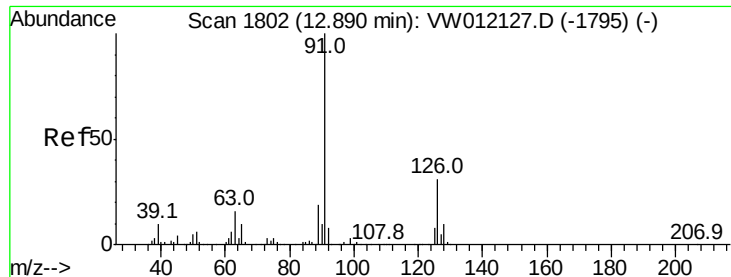
Tgt Ion: 91 Resp: 239625

Ion Ratio Lower Upper

91 100

120 21.4 10.5 31.6





#79

2-Chlorotoluene

Concen: 20.530 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampled :

VW0902SBS02

Tot Ion: 91 Resp: 136163

Ion Ratio Lower Upper

91 100

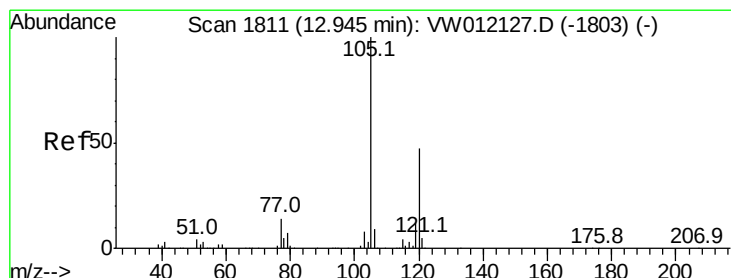
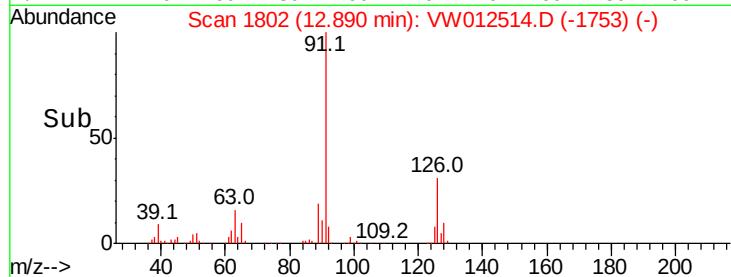
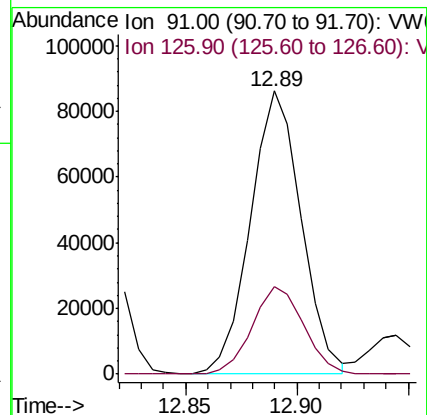
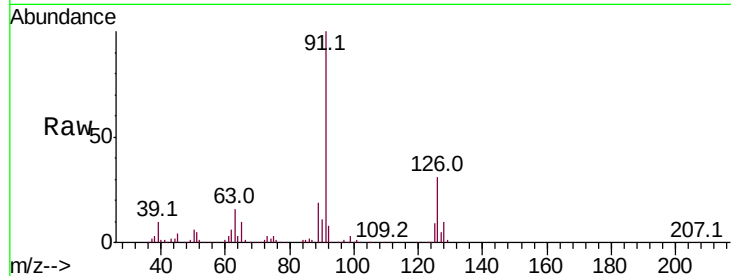
126 31.6 15.7 47.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.928 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012514.D

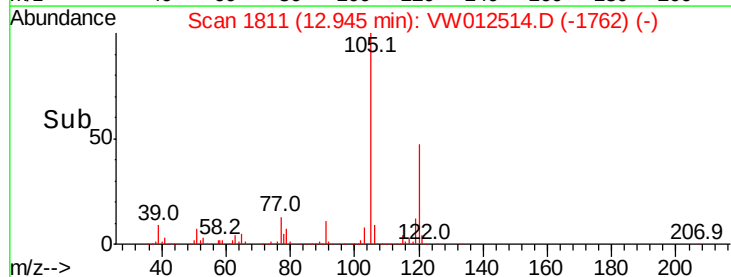
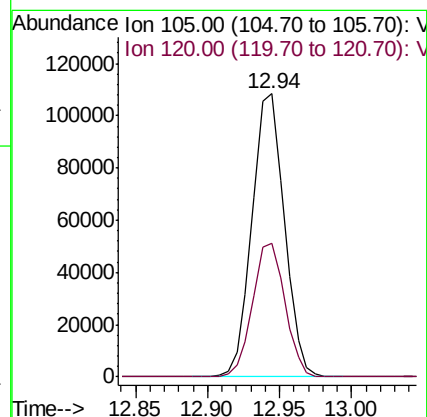
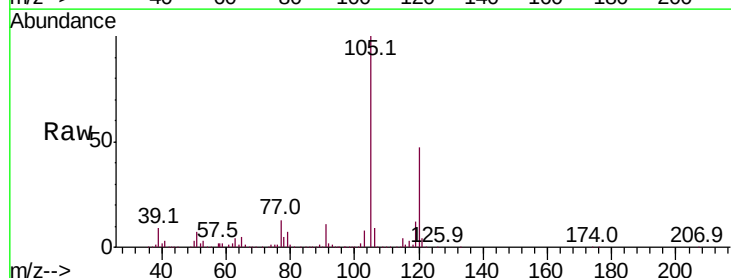
Acq: 02 Sep 2019 22:55

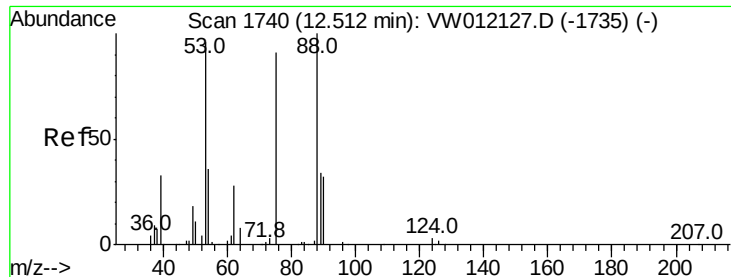
Tgt Ion:105 Resp: 167341

Ion Ratio Lower Upper

105 100

120 47.6 24.0 72.0





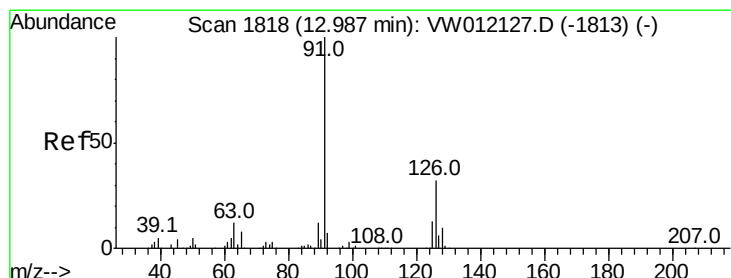
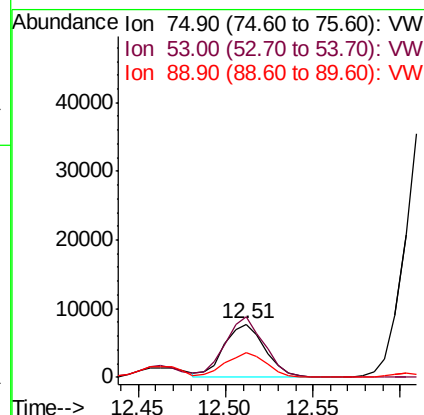
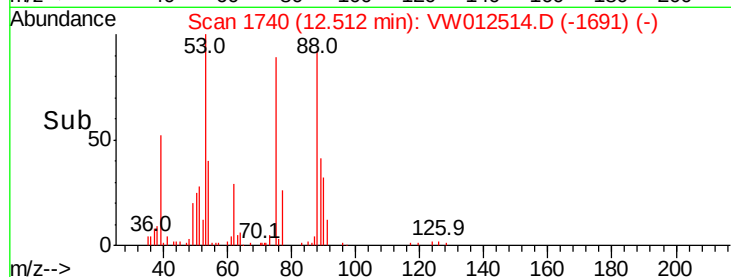
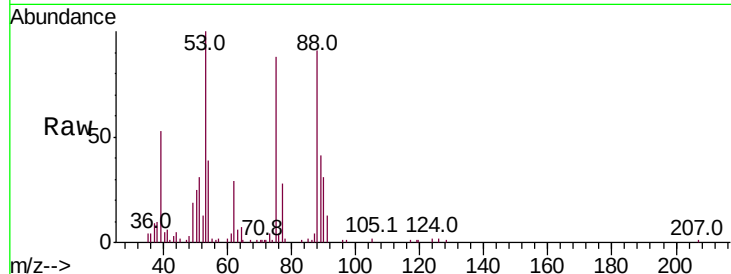
#81
trans-1,4-Dichloro-2-butene
Concen: 22.155 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.0	89.4	134.0
89	46.5	34.5	51.7

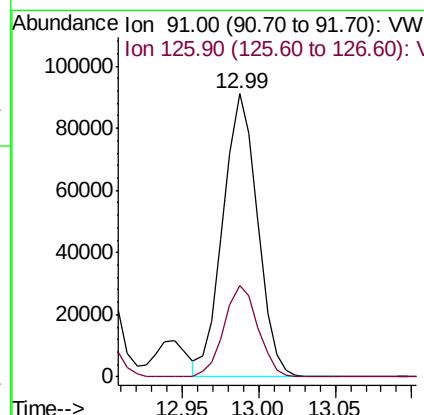
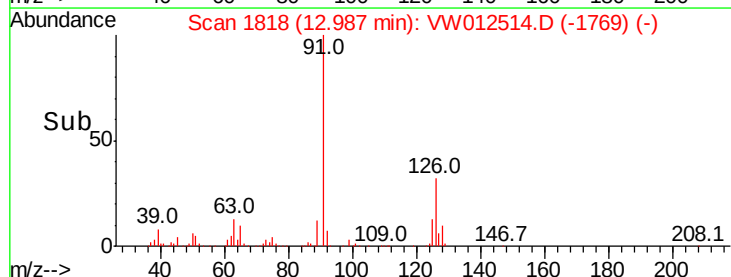
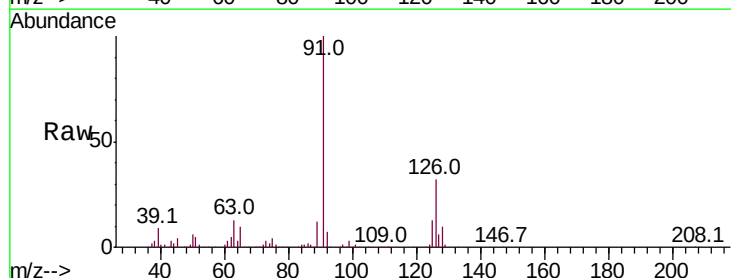
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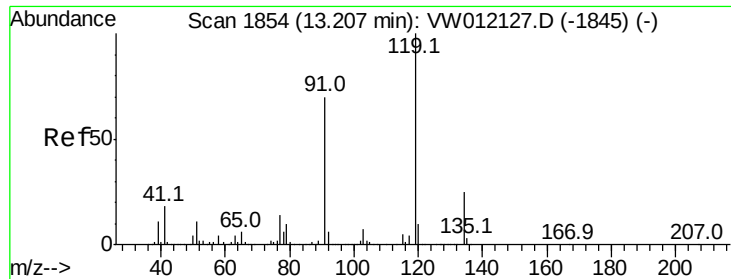
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#82
4-Chlorotoluene
Concen: 20.552 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.6	46.8





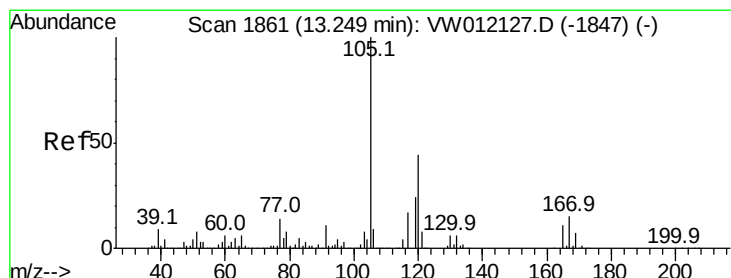
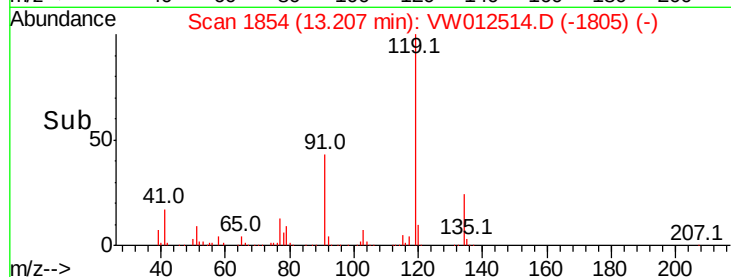
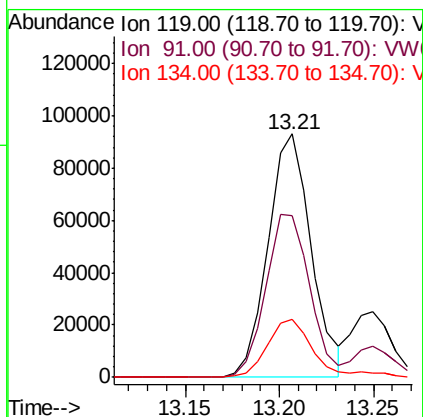
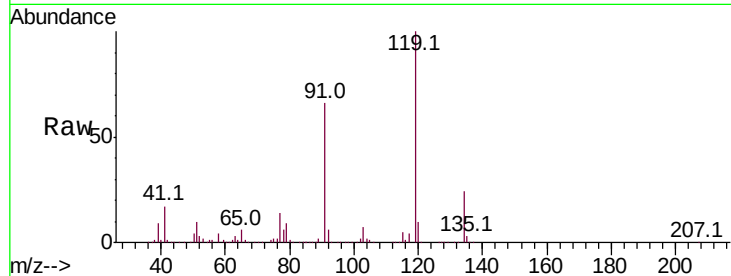
#83
tert-Butylbenzene
Concen: 21.878 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.8	104.3
134	25.7	13.3	39.8

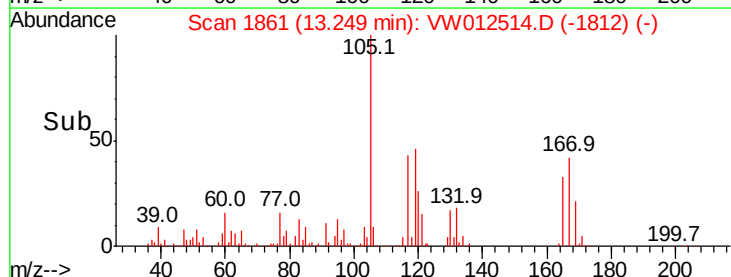
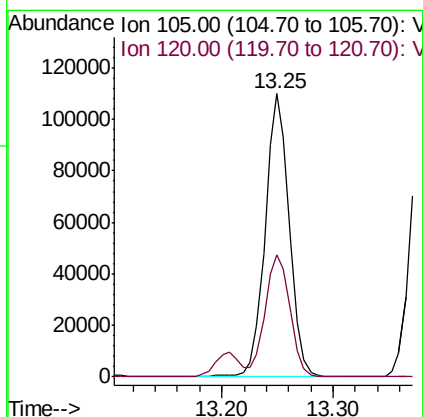
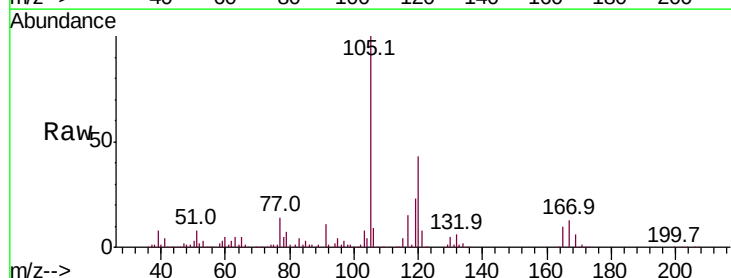
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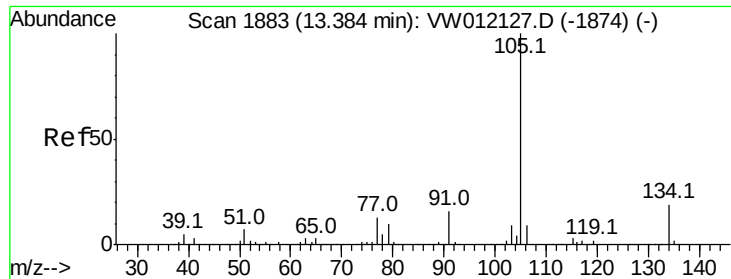
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#84
1,2,4-Trimethylbenzene
Concen: 20.639 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.9	65.7





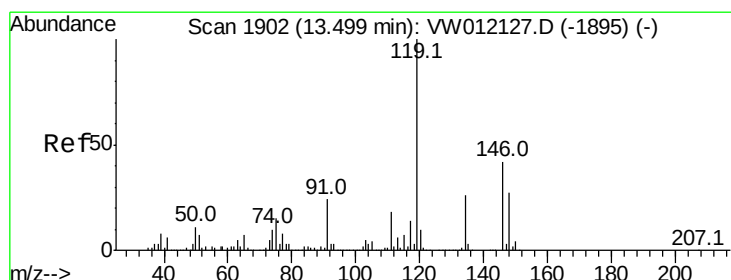
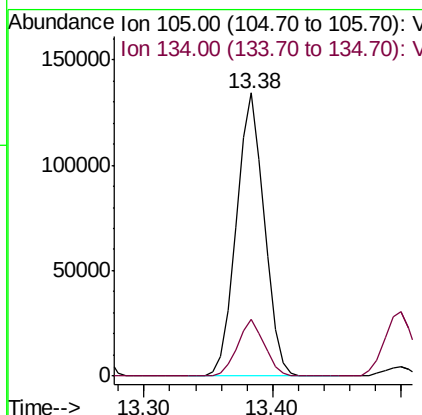
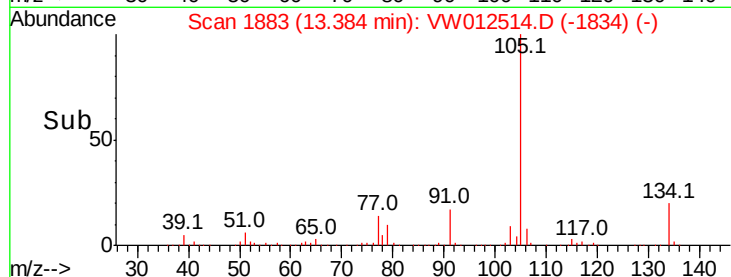
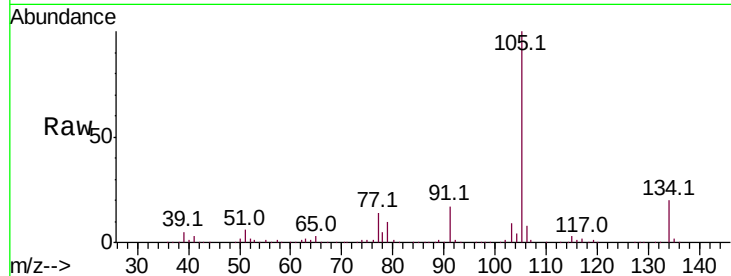
#85
 sec-Butylbenzene
 Concen: 20.770 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampled :
 VW0902SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	201553		
134	19.4	9.8	29.4	

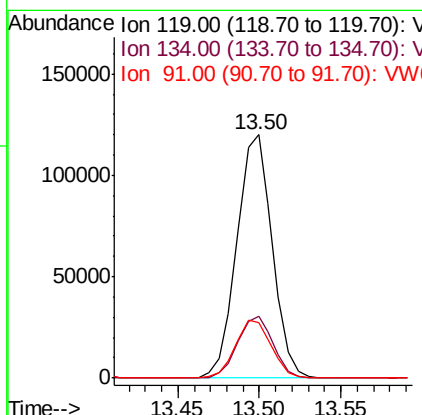
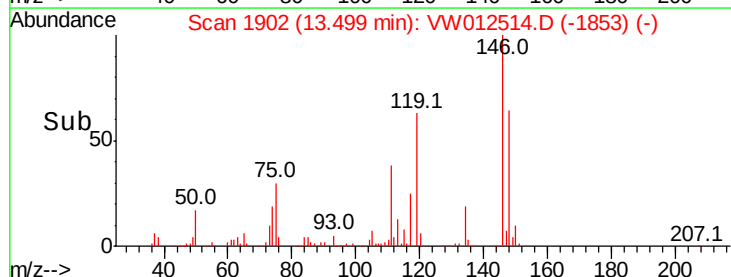
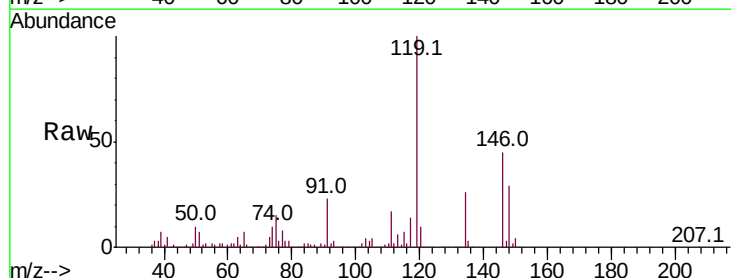
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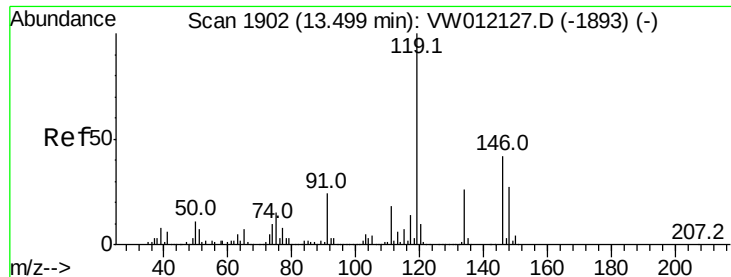
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 9/3/2019 10:55:58 AM



#86
 p-Isopropyltoluene
 Concen: 20.884 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	180983		
134	25.8	12.8	38.3	
91	24.2	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 21.199 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

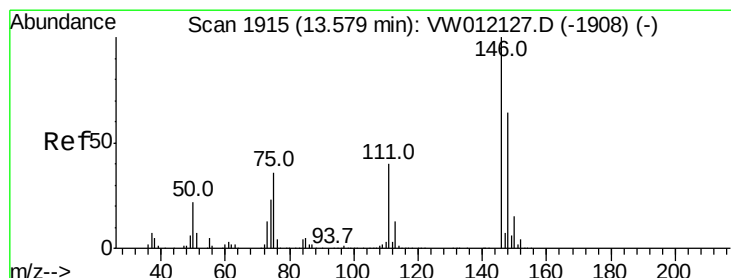
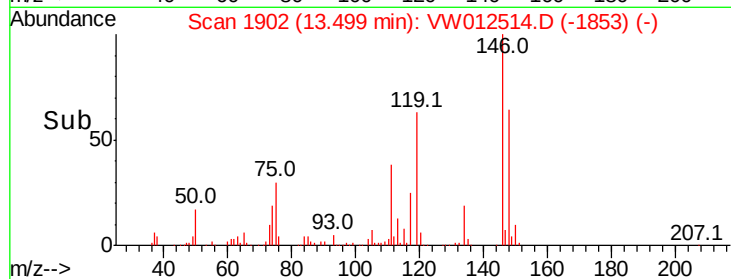
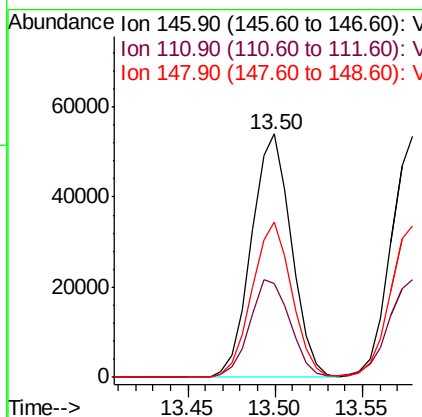
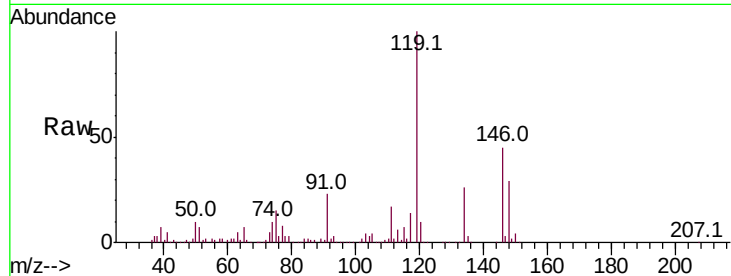
Instrument :
MSVOA_W

ClientSampleId :
VW0902SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	85841		
111	40.7	20.9	62.7	
148	63.5	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 20.896 ug/l

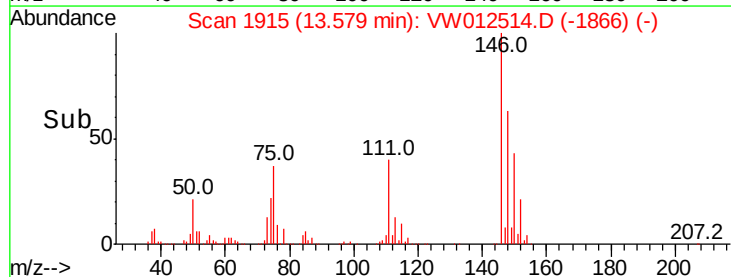
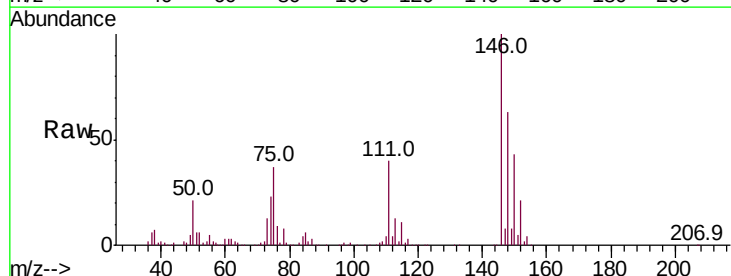
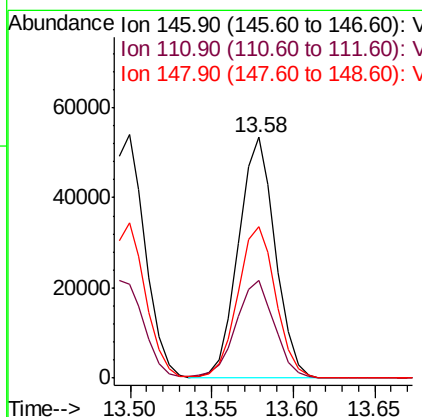
RT: 13.58 min Scan# 1915

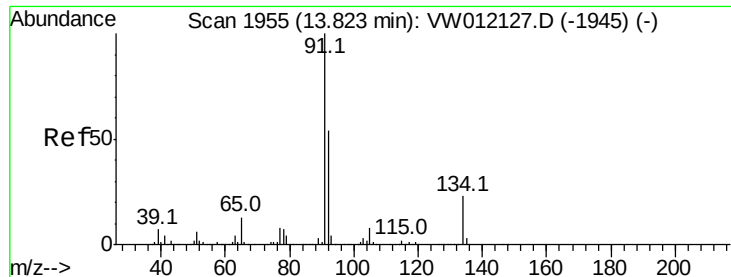
Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	84015		
111	42.5	20.0	60.0	
148	64.9	32.1	96.3	





#89

n-Butylbenzene

Concen: 19.891 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Instrument :

MSVOA_W

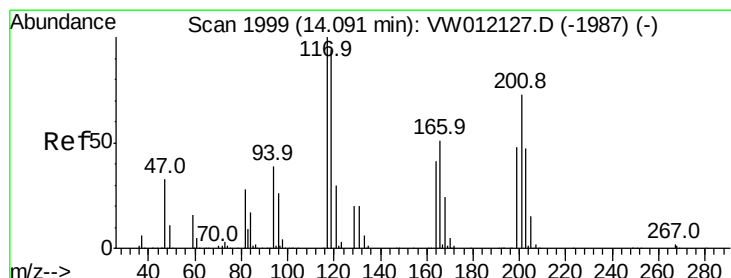
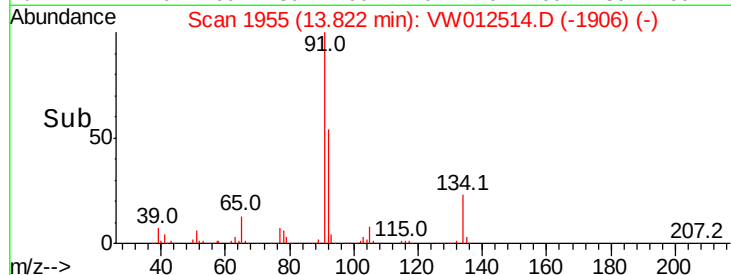
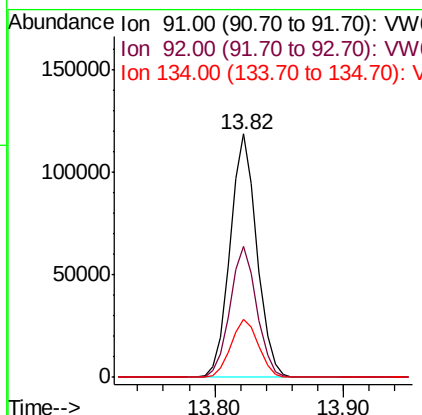
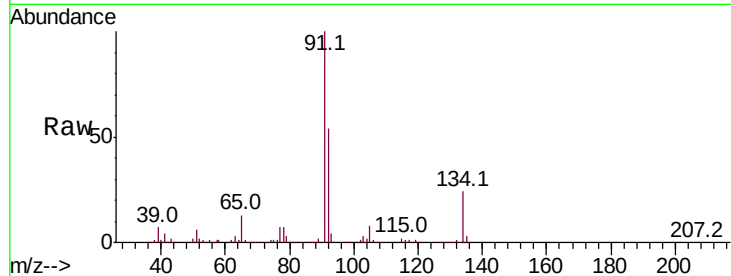
ClientSampleId :

VW0902SBS02

Tot Ion:	91	Resp:	171421
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.2
134	24.8	12.2	36.4

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#90

Hexachloroethane

Concen: 20.764 ug/l

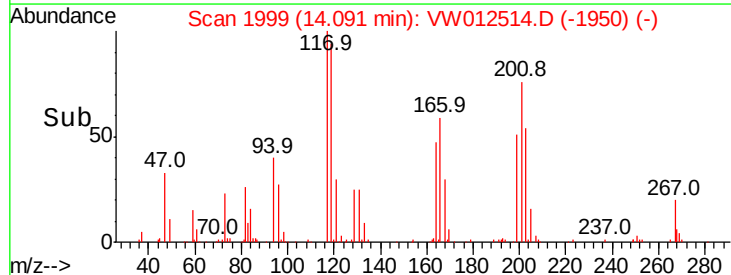
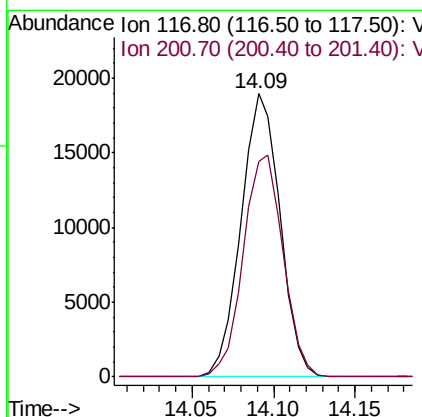
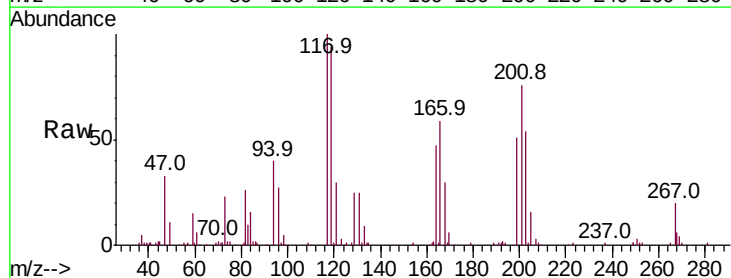
RT: 14.09 min Scan# 1999

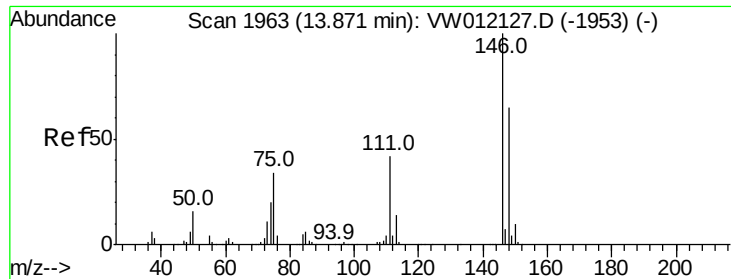
Delta R.T. -0.00 min

Lab File: VW012514.D

Acq: 02 Sep 2019 22:55

Tgt Ion:	117	Resp:	31570
Ion	Ratio	Lower	Upper
117	100		
201	80.0	38.6	115.7





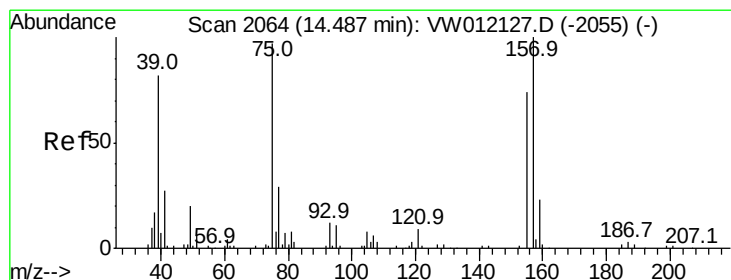
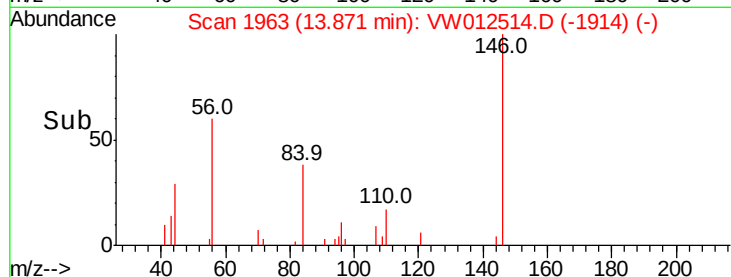
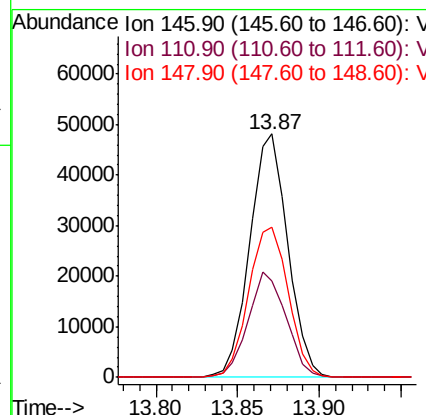
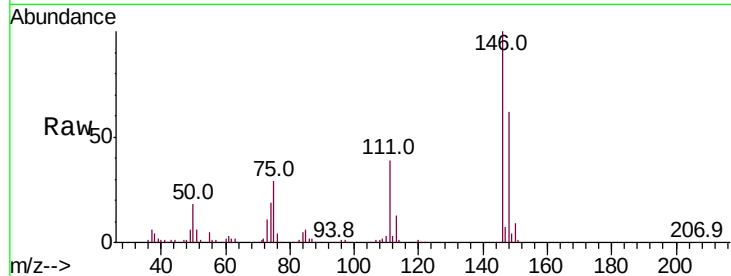
#91
 1,2-Dichlorobenzene
 Concen: 21.988 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.2	63.6
148	64.4	32.5	97.4

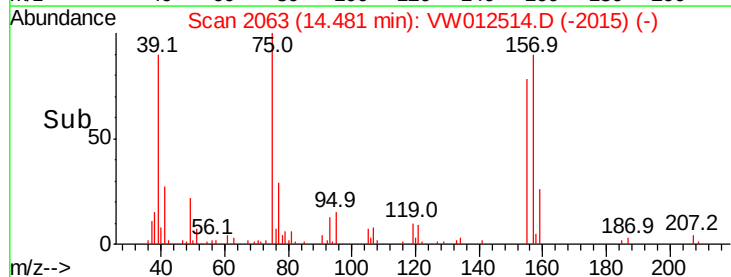
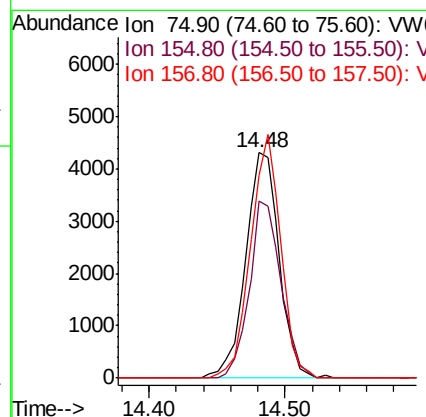
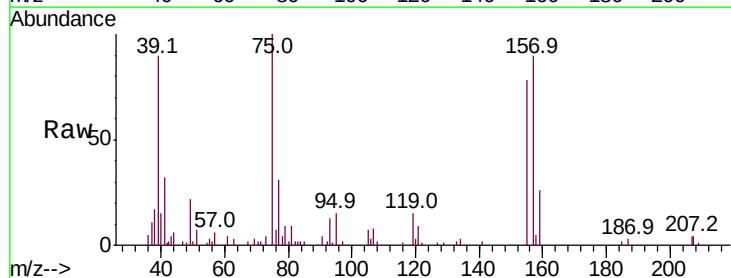
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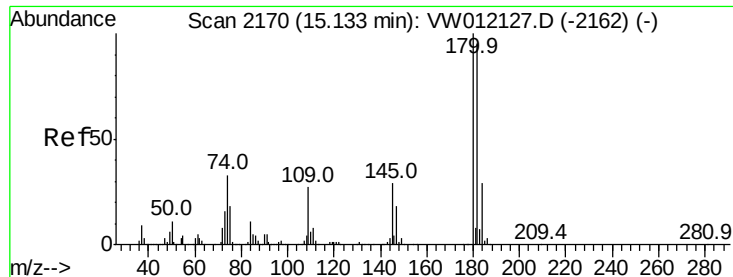
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.092 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.2	37.5	112.3
157	97.4	50.5	151.5





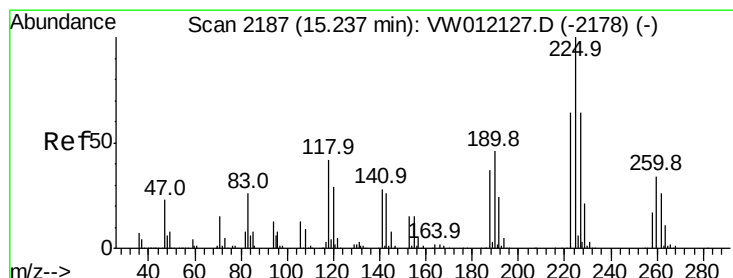
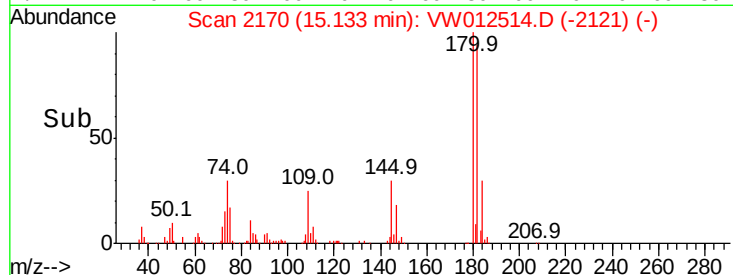
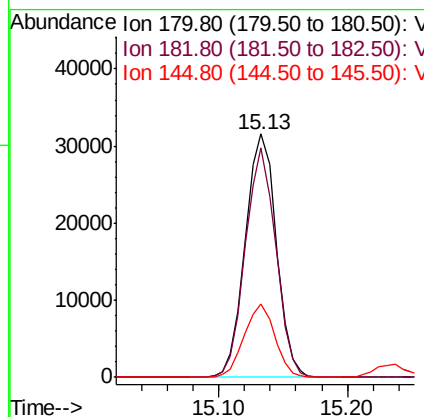
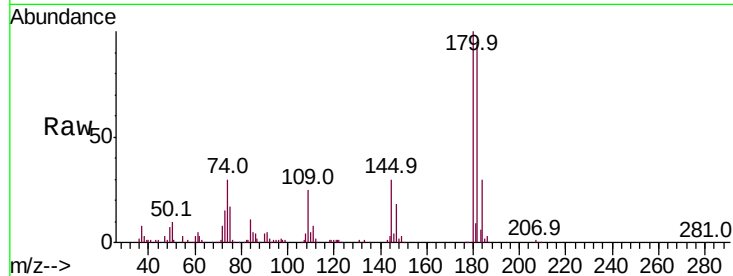
#93
 1,2,4-Trichlorobenzene
 Concen: 21.365 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.6	47.8	143.4	
145	29.8	15.0	45.1	

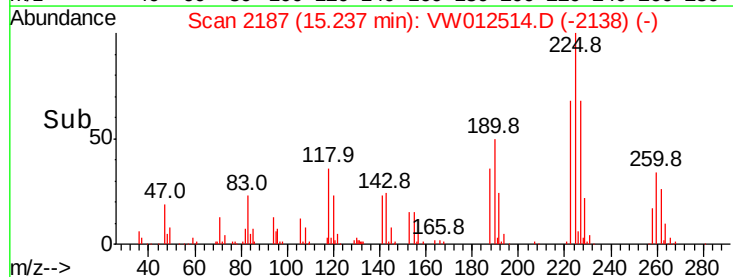
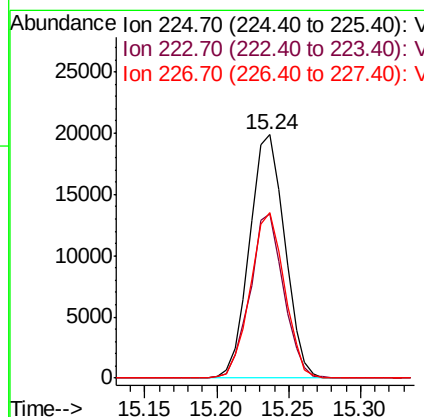
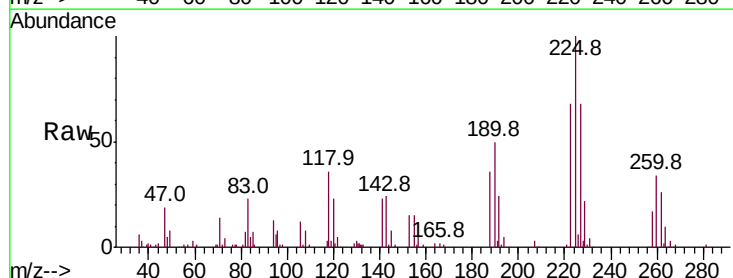
Manual Integrations
 APPROVED

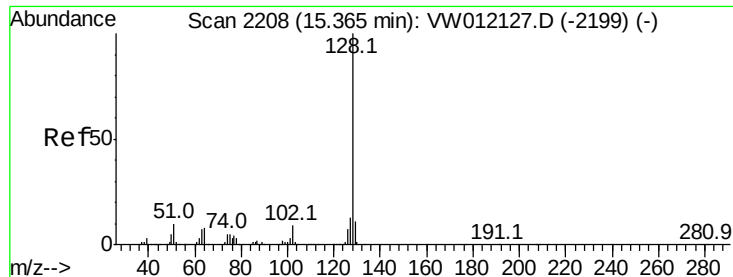
MMDadoda
 9/3/2019 10:55:58 AM



#94
 Hexachlorobutadiene
 Concen: 20.745 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012514.D
 Acq: 02 Sep 2019 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.4	32.3	96.8	
227	65.9	32.9	98.6	





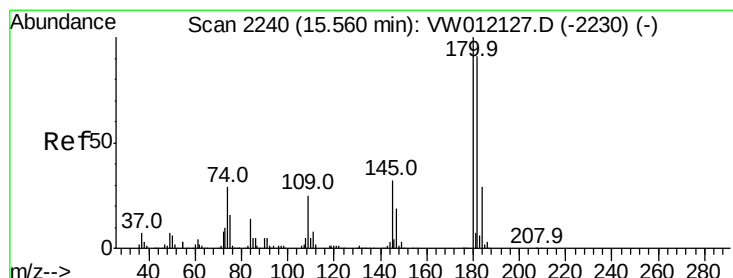
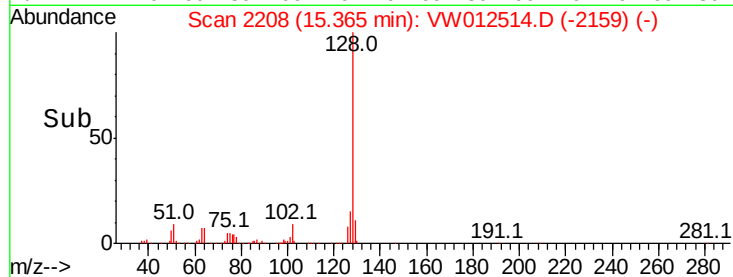
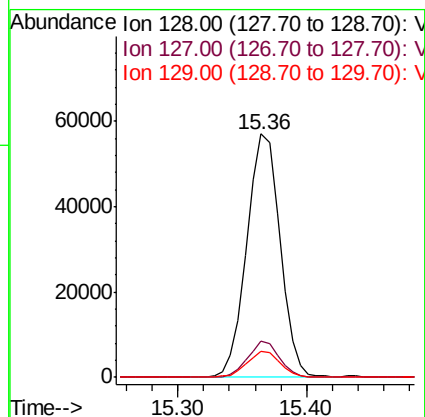
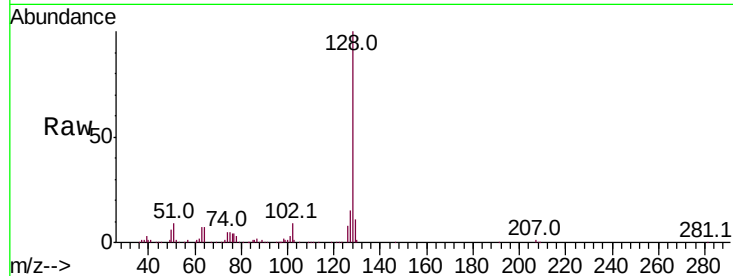
#95
Naphthalene
Concen: 23.636 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS02

Tot Ion:	128	Resp:	101843
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.7	16.1
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:55:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.384 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012514.D
Acq: 02 Sep 2019 22:55

Tgt Ion:	180	Resp:	47942
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.1	141.3
145	31.3	16.2	48.5

