

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW090319\
 Data File : VW012542.D
 Acq On : 03 Sep 2019 13:20
 Operator : SY/VA
 Sample : VW0903SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 3:54:23 PM

Quant Time: Sep 03 14:26:36 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	232504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156648	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	139645	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	7.88	113	112097	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.32	98	444146	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.62	95	159571	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	22965	16.041	ug/l	97
3) Chloromethane	2.21	50	36412	16.417	ug/l	99
4) Vinyl Chloride	2.36	62	40307	14.848	ug/l	97
5) Bromomethane	2.76	94	20454	14.877	ug/l	96
6) Chloroethane	2.91	64	23255	15.185	ug/l	97
7) Trichlorofluoromethane	3.25	101	24906	18.271	ug/l	100
8) Diethyl Ether	3.68	74	24936	19.272	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42636	18.401	ug/l	97
10) Methyl Iodide	4.26	142	56523	18.029	ug/l	100
11) Tert butyl alcohol	5.20	59	17502	105.224	ug/l	97
12) 1,1-Dichloroethene	4.03	96	41684	17.874	ug/l	98
13) Acrolein	3.89	56	10043	64.144	ug/l	95
14) Allyl chloride	4.66	41	91733	18.399	ug/l	99
15) Acrylonitrile	5.37	53	62550	97.532	ug/l	99
16) Acetone	4.13	43	62934	89.077	ug/l	99
17) Carbon Disulfide	4.38	76	99726	14.149	ug/l	97
18) Methyl Acetate	4.67	43	39022	22.300	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	78655	20.856	ug/l	97
20) Methylene Chloride	4.91	84	49872	18.672	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	46452	18.574	ug/l	97
22) Diisopropyl ether	6.31	45	185482	20.070	ug/l	100
23) Vinyl Acetate	6.25	43	542939	95.464	ug/l	99
24) 1,1-Dichloroethane	6.21	63	98313	19.538	ug/l	99
25) 2-Butanone	7.18	43	91249	95.044	ug/l	97
26) 2,2-Dichloropropane	7.16	77	56660	19.894	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	53516	20.029	ug/l	99
28) Bromochloromethane	7.51	49	43836	19.988	ug/l #	94
29) Tetrahydrofuran	7.53	42	56151	97.484	ug/l	98
30) Chloroform	7.67	83	93982	20.415	ug/l	100
31) Cyclohexane	7.95	56	84620	16.998	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	72818	19.995	ug/l	99
36) 1,1-Dichloropropene	8.08	75	72344	19.156	ug/l	99
37) Ethyl Acetate	7.25	43	40013	19.335	ug/l	99
38) Carbon Tetrachloride	8.07	117	64692	19.792	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76427	18.014	ug/l	97
40) Benzene	8.32	78	203556	19.740	ug/l	99
41) Methacrylonitrile	7.48	41	23985	19.720	ug/l	95
42) 1,2-Dichloroethane	8.40	62	65948	20.405	ug/l	99
43) Isopropyl Acetate	8.42	43	76716	20.013	ug/l	99
44) Trichloroethene	9.09	130	50304	20.067	ug/l	94
45) 1,2-Dichloropropane	9.37	63	55907	20.145	ug/l	99
46) Dibromomethane	9.46	93	24712	20.013	ug/l	96
47) Bromodichloromethane	9.64	83	67573	20.562	ug/l	95
48) Methyl methacrylate	9.43	41	36438	19.972	ug/l	95
49) 1,4-Dioxane	9.46	88	7511	397.334	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	197601	101.347	ug/l	100
52) Toluene	10.38	92	124172	20.044	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	67470	20.155	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	79974	19.786	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	36655	20.981	ug/l	98
56) Ethyl methacrylate	10.65	69	52368	20.595	ug/l	99
57) 1,3-Dichloropropane	10.93	76	69550	21.066	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	129739	99.418	ug/l	99
59) 2-Hexanone	10.97	43	135595	98.288	ug/l	99
60) Dibromochloromethane	11.13	129	39952	20.531	ug/l	98
61) 1,2-Dibromoethane	11.24	107	34288	21.066	ug/l	98
64) Tetrachloroethene	10.86	164	41433	20.236	ug/l	99
65) Chlorobenzene	11.66	112	127984	20.581	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	46377	21.378	ug/l	100
67) Ethyl Benzene	11.73	91	244966	20.450	ug/l	99
68) m/p-Xylenes	11.84	106	175534	40.681	ug/l	99
69) o-Xylene	12.16	106	82686	20.705	ug/l	99
70) Styrene	12.18	104	144876	20.959	ug/l	99
71) Bromoform	12.35	173	22431	20.753	ug/l #	99
73) Isopropylbenzene	12.46	105	236224	20.125	ug/l	99
74) N-amyl acetate	12.27	43	68598	19.343	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	41753	19.403	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	34701m	22.745	ug/l	
77) Bromobenzene	12.74	156	52029	20.489	ug/l	96
78) n-propylbenzene	12.80	91	283377	19.776	ug/l	98
79) 2-Chlorotoluene	12.89	91	160272	19.700	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	199452	20.335	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13319	19.141	ug/l	96
82) 4-Chlorotoluene	12.99	91	171329	20.113	ug/l	100
83) tert-Butylbenzene	13.21	119	169677	20.423	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	199308	20.229	ug/l	100
85) sec-Butylbenzene	13.38	105	239014	20.080	ug/l	99
86) p-Isopropyltoluene	13.50	119	218620	20.566	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	101243	20.384	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	99427	20.161	ug/l	98
89) n-Butylbenzene	13.82	91	207229	19.603	ug/l	99
90) Hexachloroethane	14.10	117	35861	19.228	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	90390	20.745	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7271	20.043	ug/l	97

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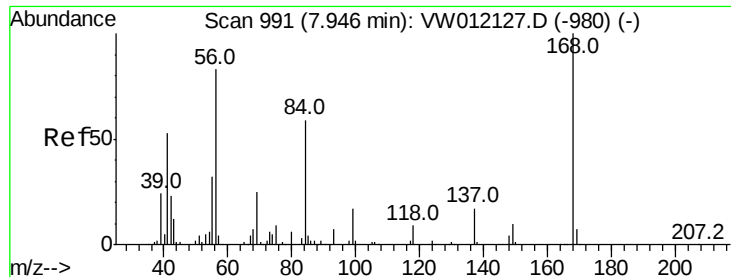
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62626	20.798	ug/l	99
94) Hexachlorobutadiene	15.24	225	42947	21.600	ug/l	96
95) Naphthalene	15.36	128	106806	20.835	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	54617	20.790	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: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS02

Tot Ion:168 Resp: 232504

Ion Ratio Lower Upper

168 100

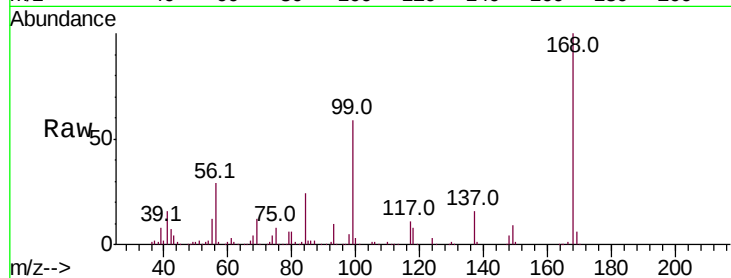
99 58.5 49.2 73.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

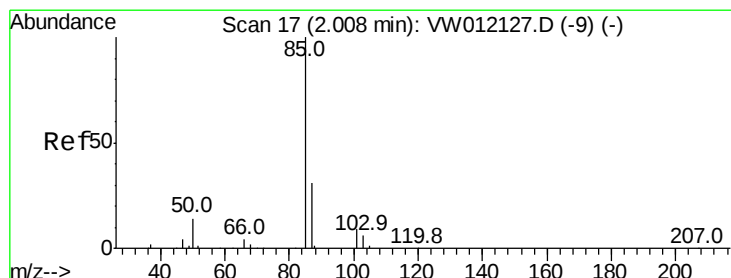
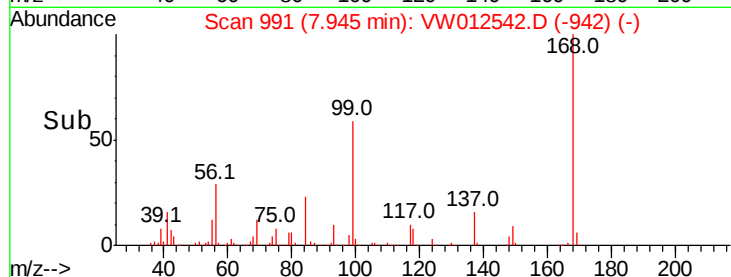
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 16.041 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW012542.D

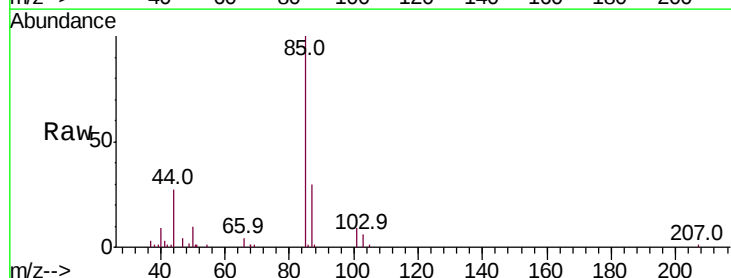
Acq: 03 Sep 2019 13:20

Tgt Ion: 85 Resp: 22965

Ion Ratio Lower Upper

85 100

87 29.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

10000

8000

6000

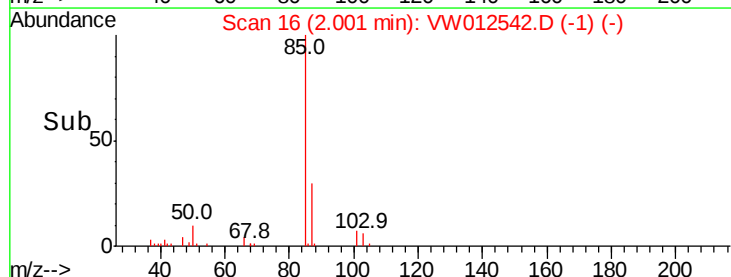
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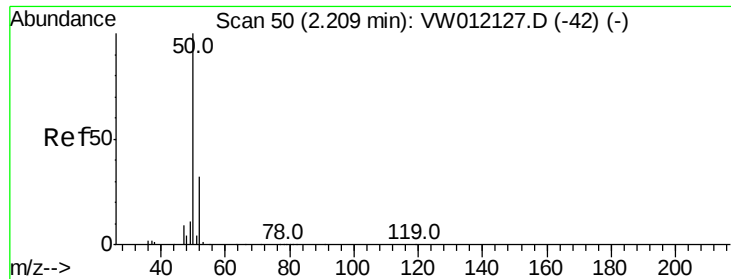
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 16.417 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS02

Tot Ion: 50 Resp: 36412

Ion Ratio Lower Upper

50 100

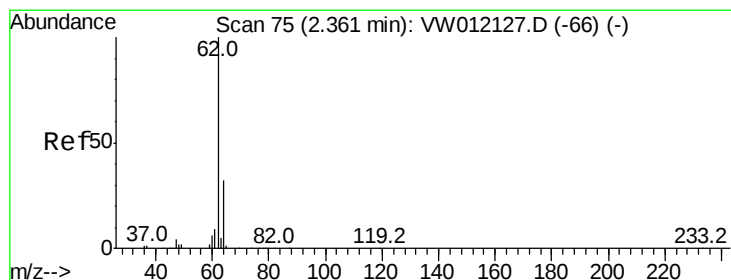
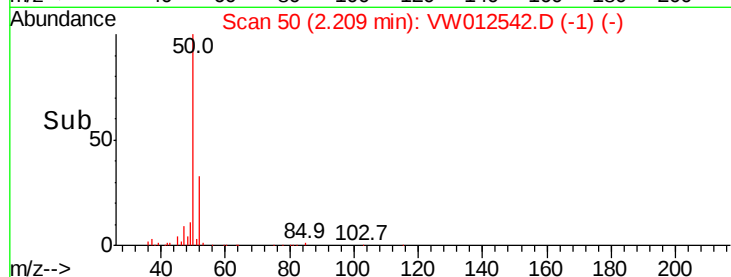
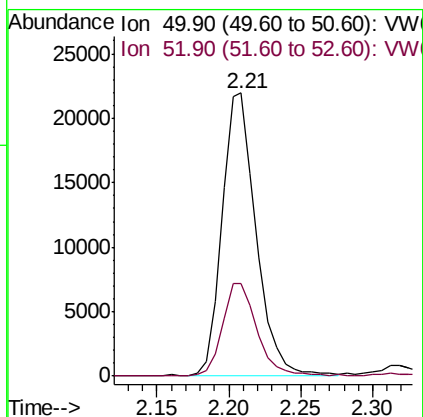
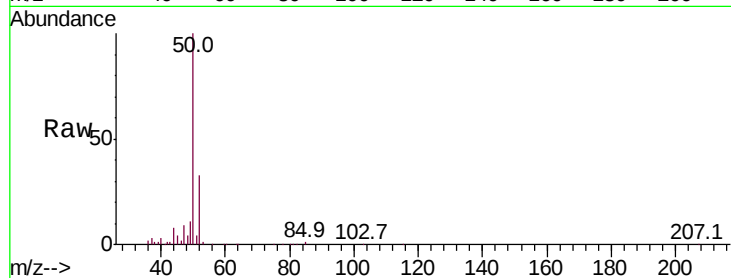
52 32.4 25.5 38.3

Manual Integrations

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9/5/2019 3:54:23 PM



#4

Vinyl Chloride

Concen: 14.848 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012542.D

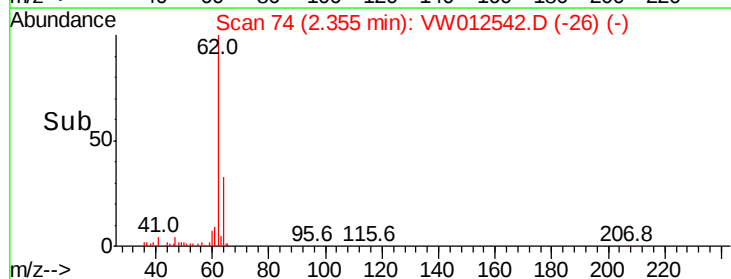
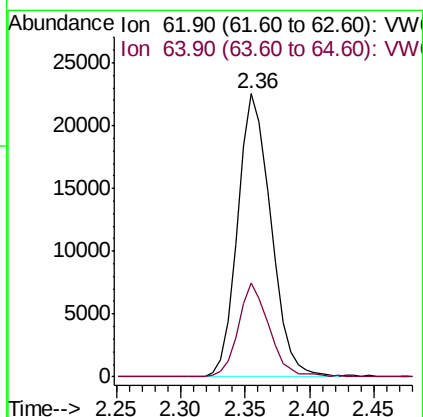
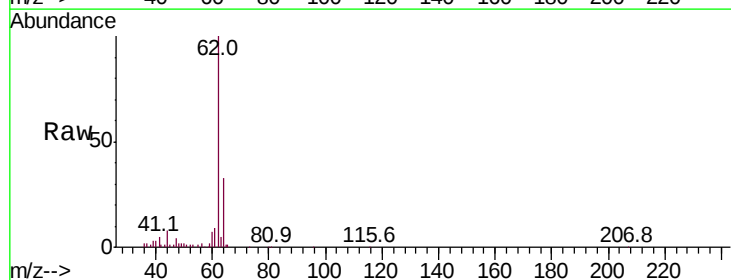
Acq: 03 Sep 2019 13:20

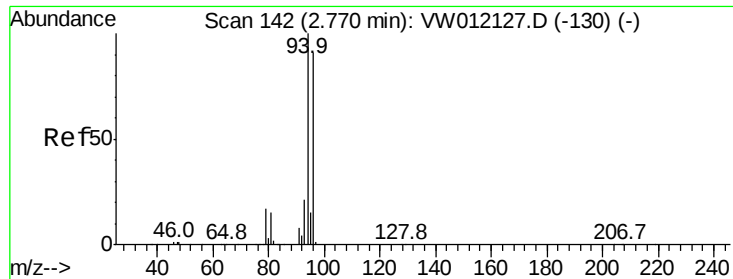
Tgt Ion: 62 Resp: 40307

Ion Ratio Lower Upper

62 100

64 33.3 25.3 37.9





#5

Bromomethane

Concen: 14.877 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS02

Tot Ion: 94 Resp: 20454

Ion Ratio Lower Upper

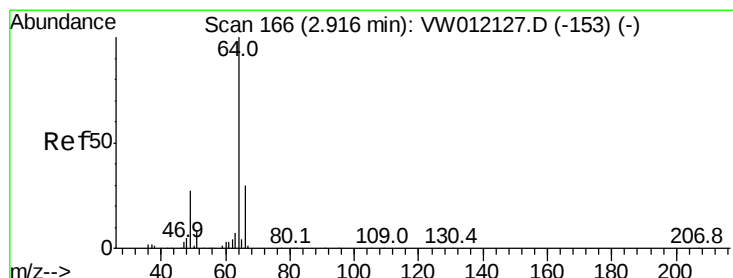
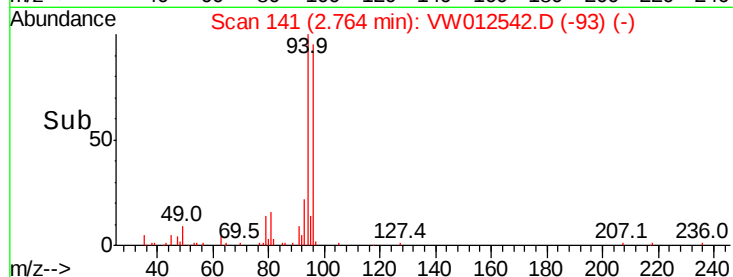
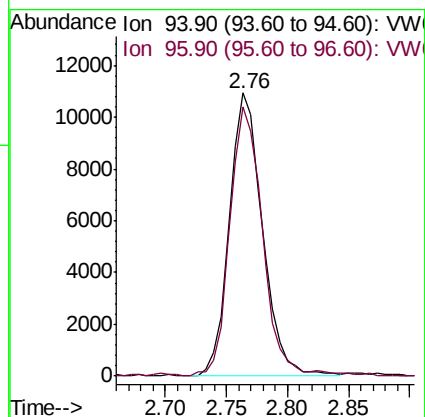
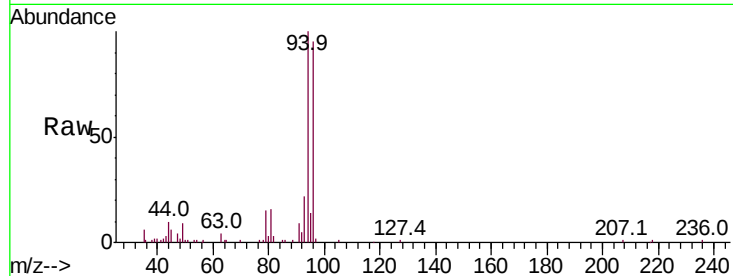
94 100

96 95.0 72.9 109.3

Manual Integrations
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9/5/2019 3:54:23 PM



#6

Chloroethane

Concen: 15.185 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012542.D

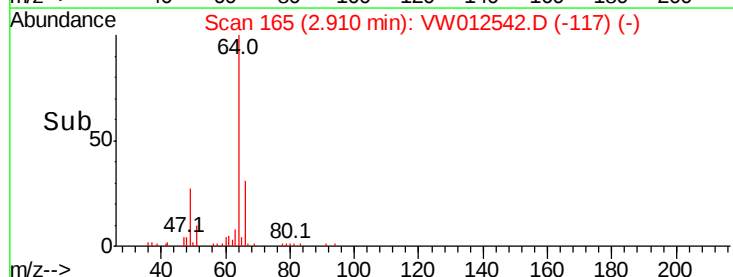
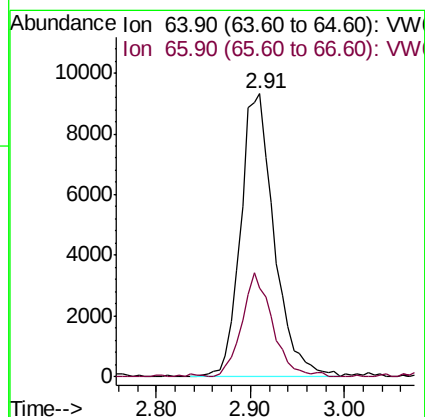
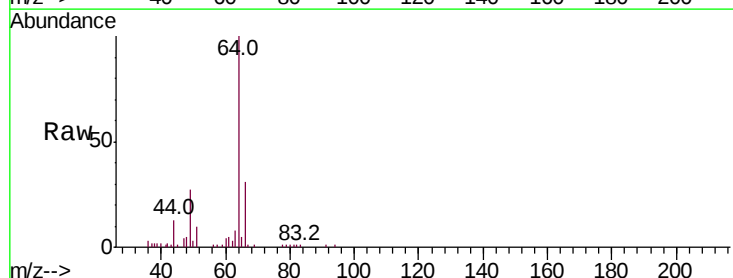
Acq: 03 Sep 2019 13:20

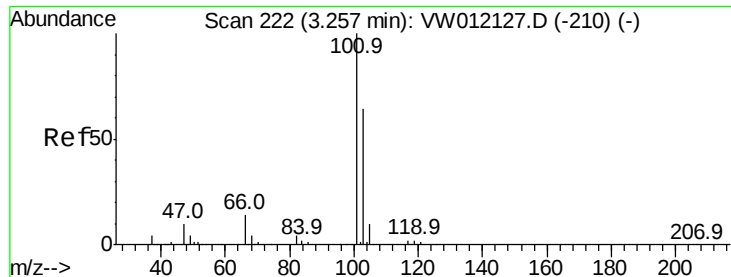
Tgt Ion: 64 Resp: 23255

Ion Ratio Lower Upper

64 100

66 31.3 23.8 35.8





#7

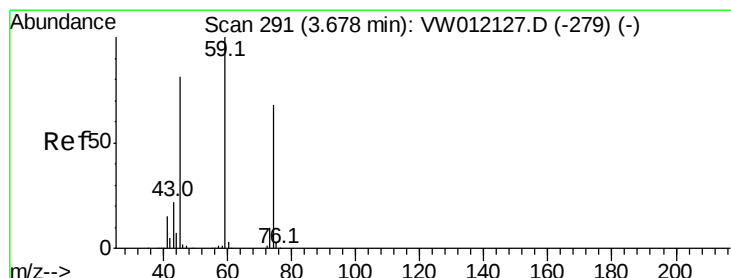
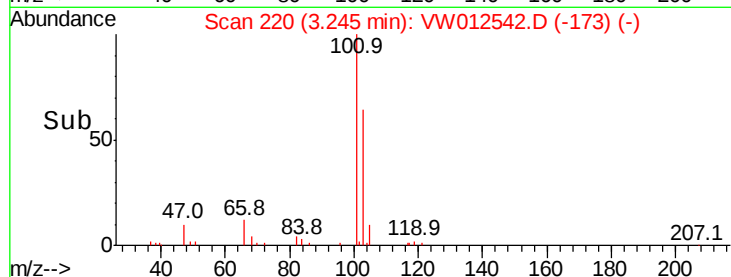
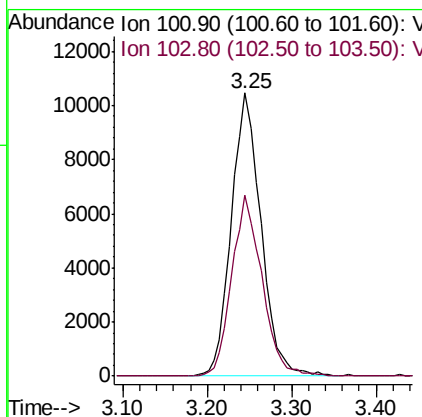
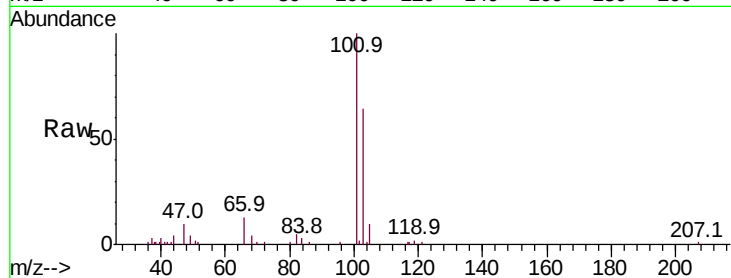
Trichlorofluoromethane
 Concen: 18.271 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

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 VW0903SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.2	76.8

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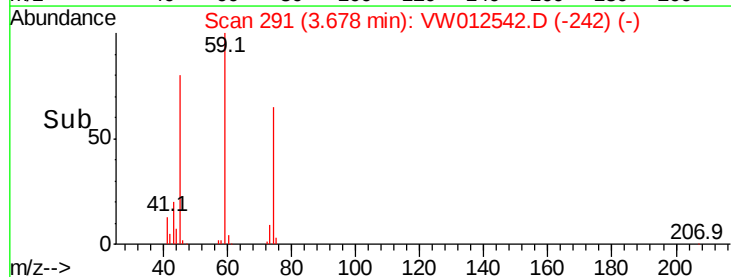
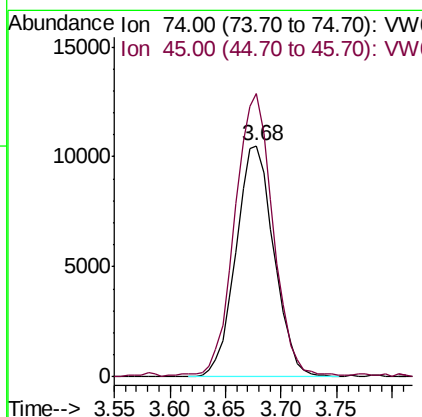
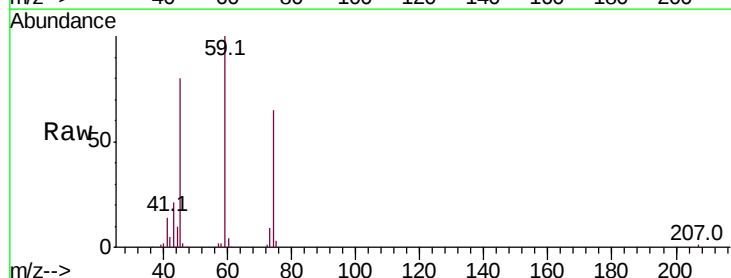
MMDadoda
 9/5/2019 3:54:23 PM

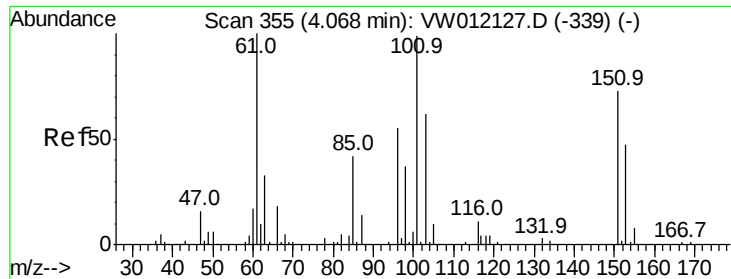


#8

Diethyl Ether
 Concen: 19.272 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.6	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.401 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

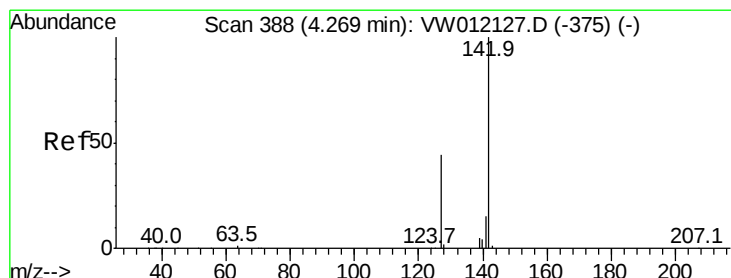
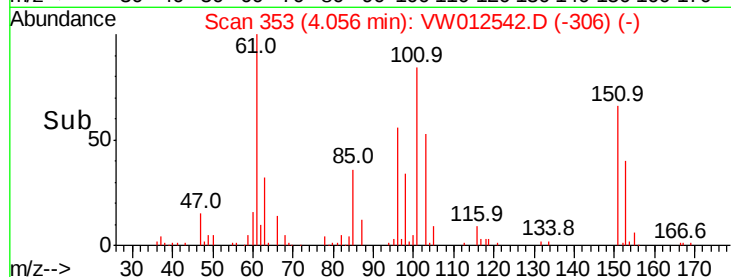
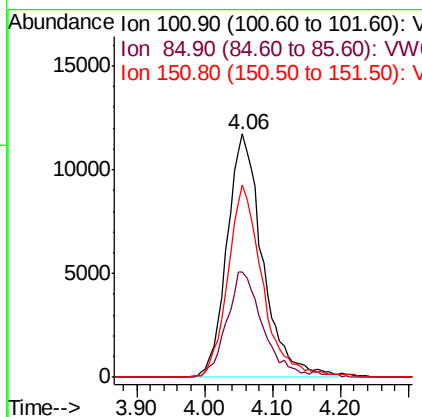
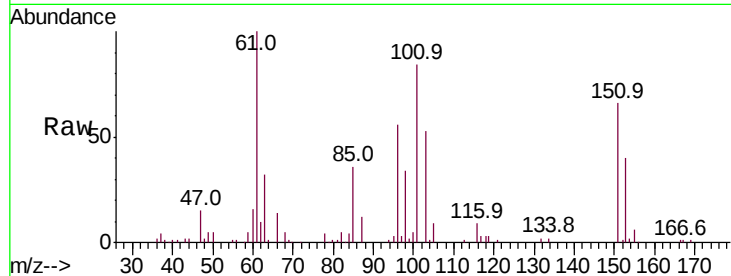
ClientSampleId :

VW0903SBS02

Tot Ion:	101	Resp:	42636
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.8	53.6
151	77.0	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.029 ug/l

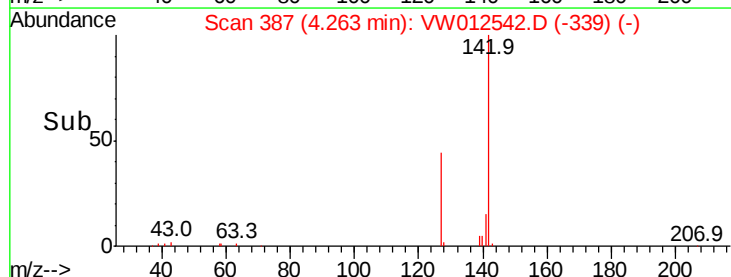
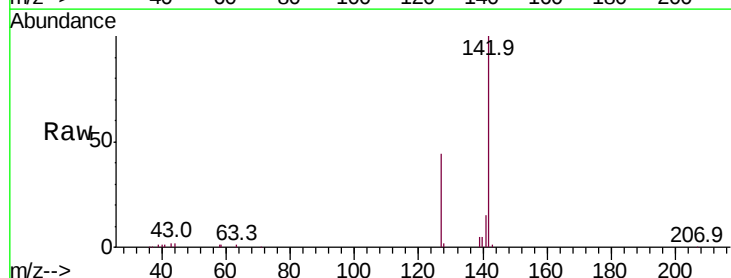
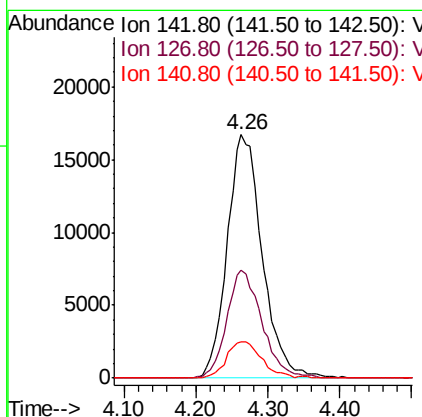
RT: 4.26 min Scan# 387

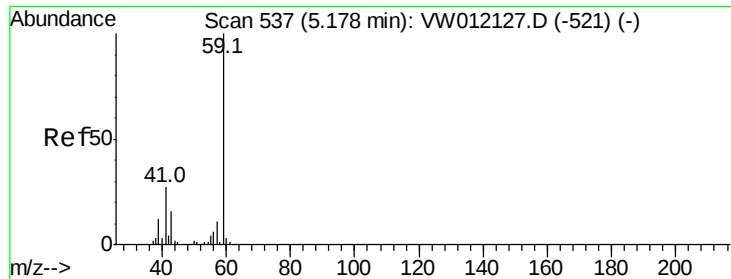
Delta R.T. -0.01 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Tgt Ion:	142	Resp:	56523
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.5	53.3
141	15.0	11.8	17.8





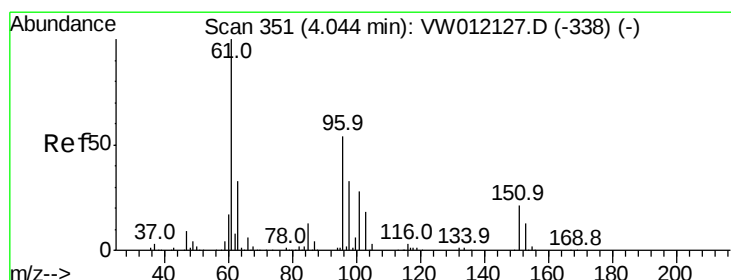
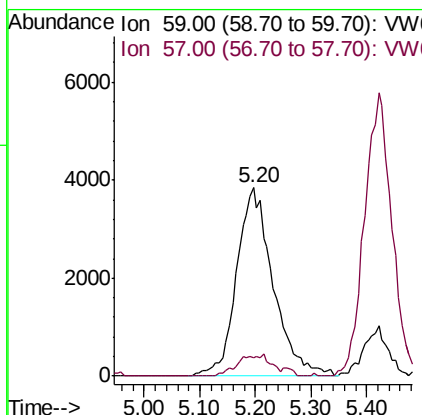
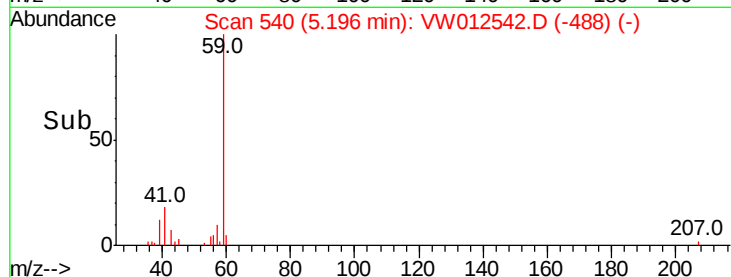
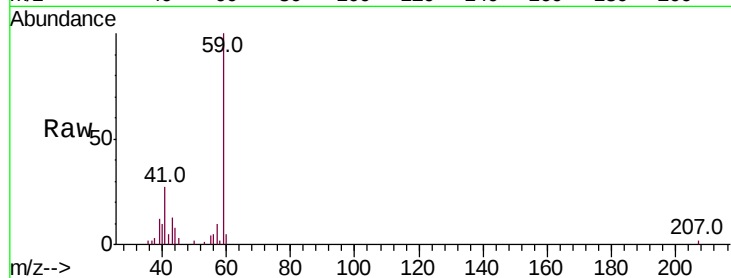
#11
Tert butyl alcohol
Concen: 105.224 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS02

Tot Ion: 59 Resp: 17502
Ion Ratio Lower Upper
59 100
57 10.2 9.0 13.4

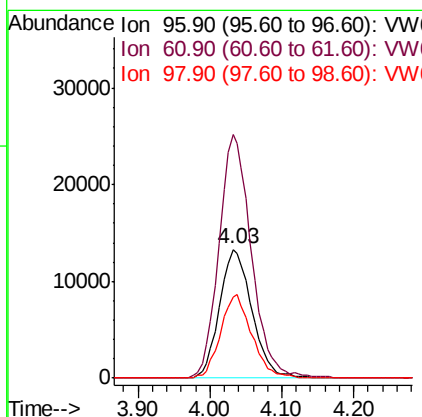
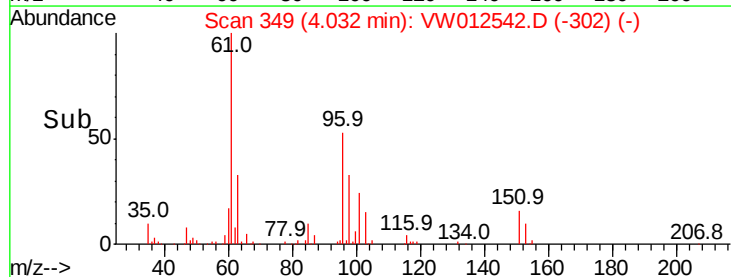
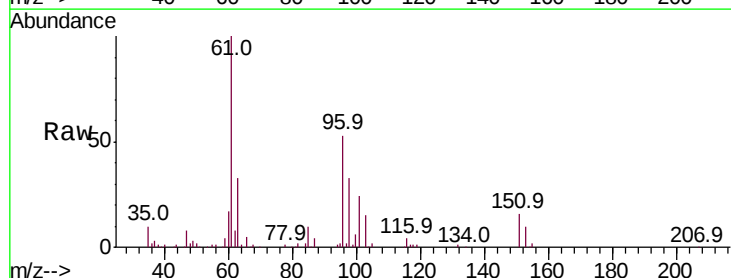
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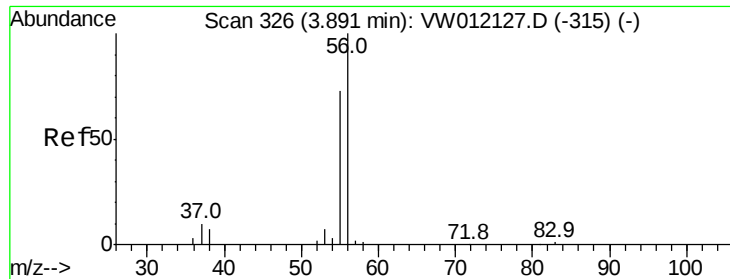
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#12
1,1-Dichloroethene
Concen: 17.874 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion: 96 Resp: 41684
Ion Ratio Lower Upper
96 100
61 189.6 149.1 223.7
98 63.2 49.4 74.2





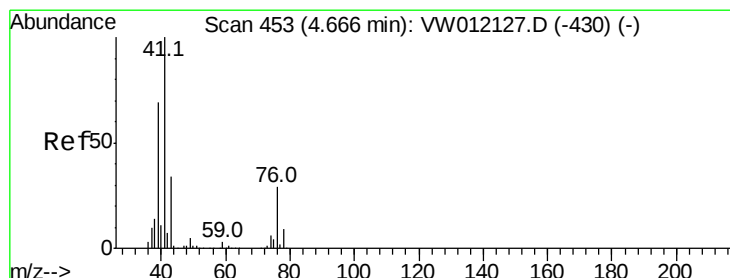
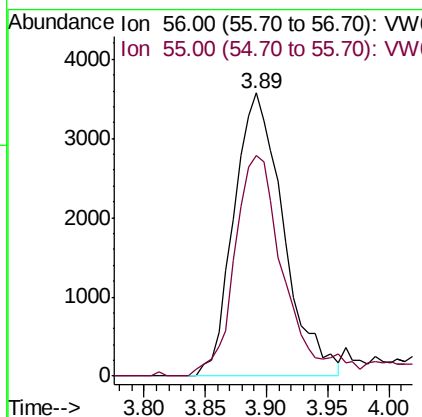
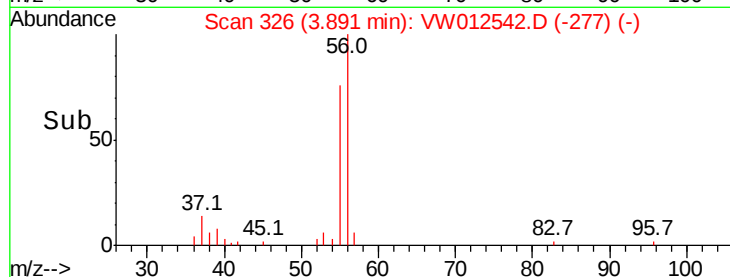
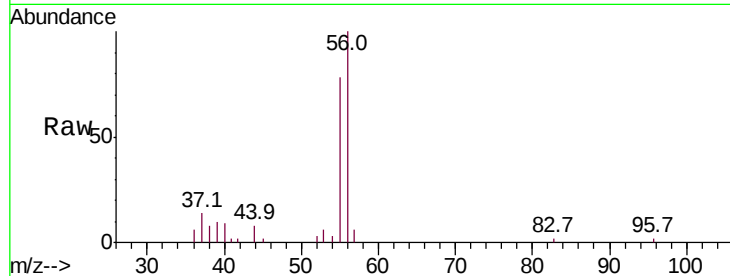
#13
Acrolein
Concen: 64.144 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.6	55.8	83.8

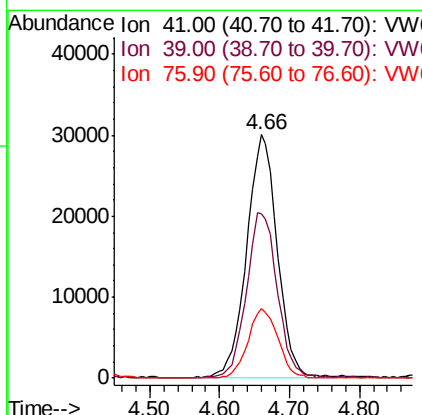
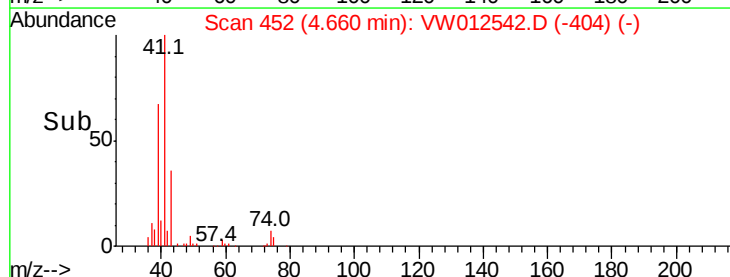
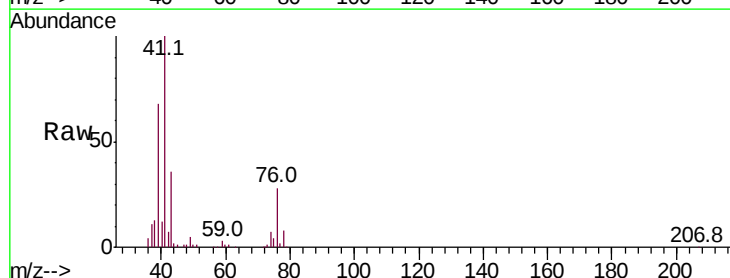
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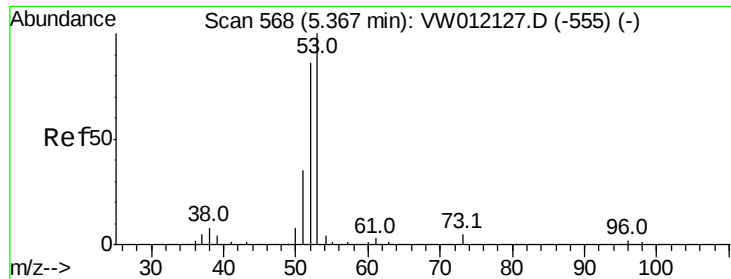
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#14
Allyl chloride
Concen: 18.399 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.3	53.4	80.2
76	27.7	22.1	33.1





#15

Acrylonitrile

Concen: 97.532 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

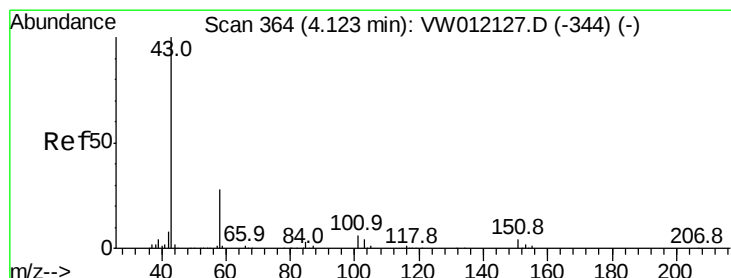
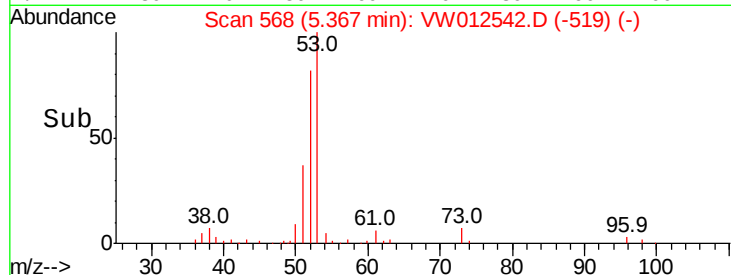
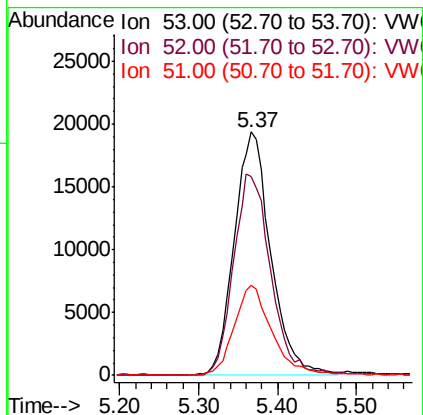
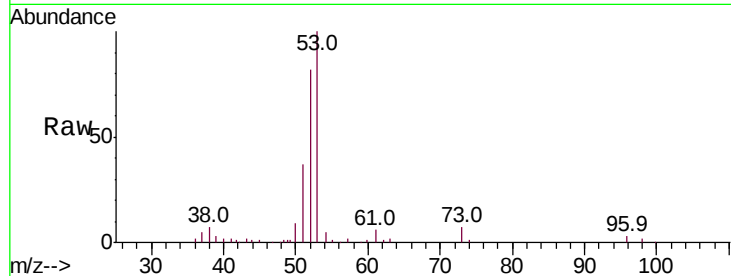
ClientSampleId :

VW0903SBS02

Tot Ion:	53	Resp:	62550
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.7	100.1
51	37.9	30.1	45.1

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#16

Acetone

Concen: 89.077 ug/l

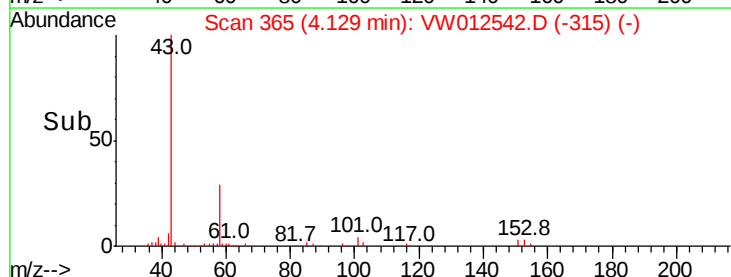
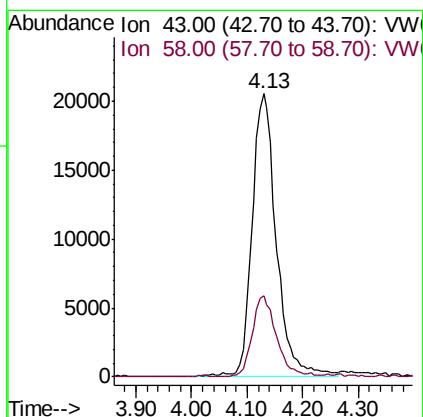
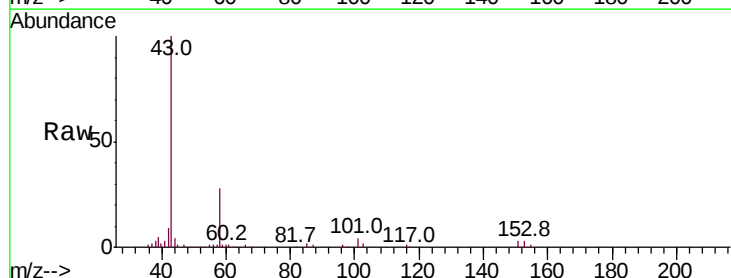
RT: 4.13 min Scan# 365

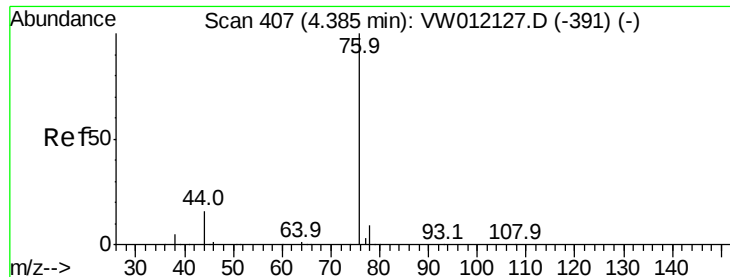
Delta R.T. 0.01 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Tgt Ion:	43	Resp:	62934
Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.4	33.6





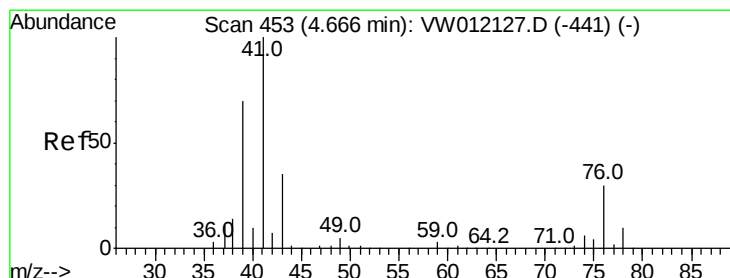
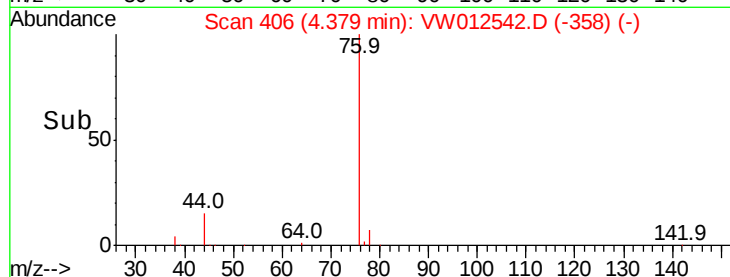
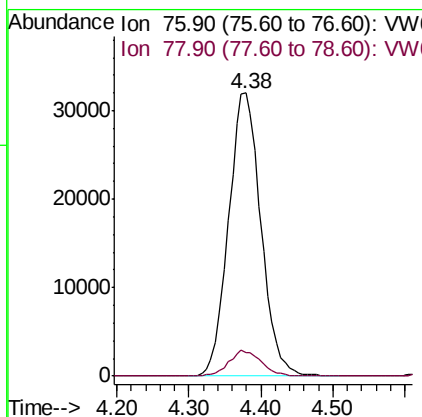
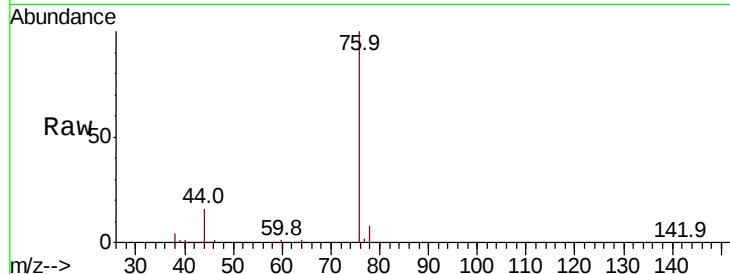
#17
Carbon Disulfide
Concen: 14.149 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD02

Tot Ion: 76 Resp: 99726
Ion Ratio Lower Upper
76 100
78 8.1 7.3 10.9

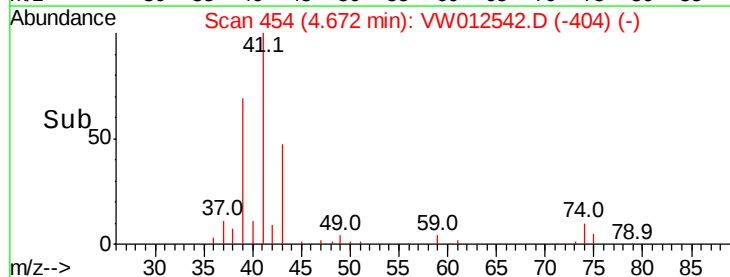
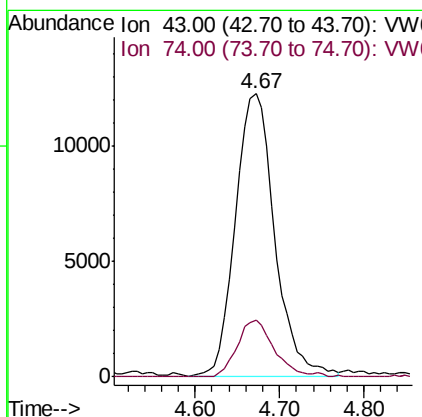
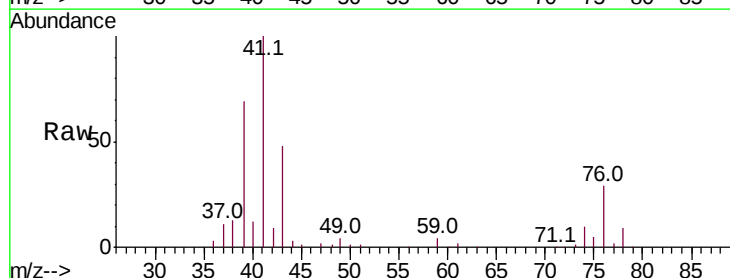
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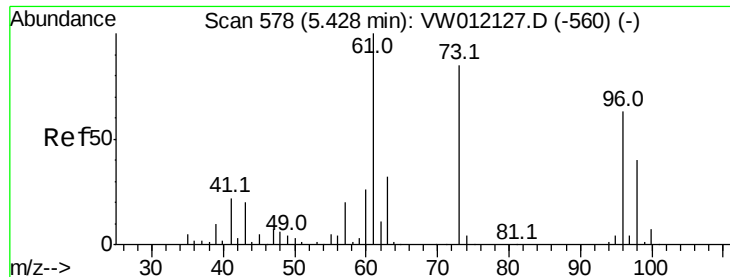
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#18
Methyl Acetate
Concen: 22.300 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion: 43 Resp: 39022
Ion Ratio Lower Upper
43 100
74 18.8 15.7 23.5





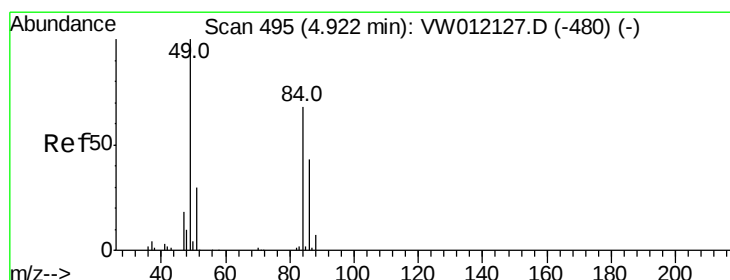
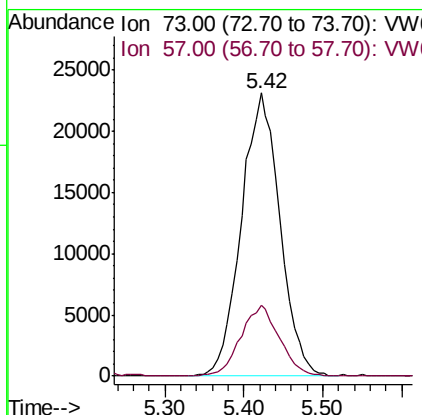
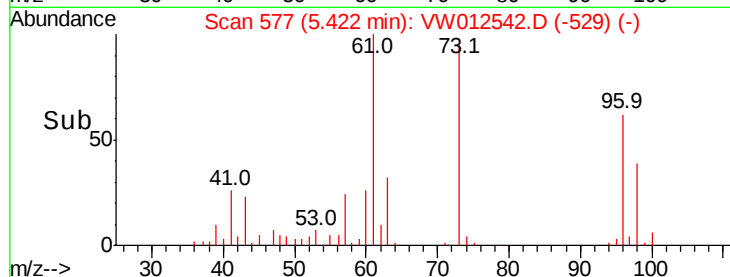
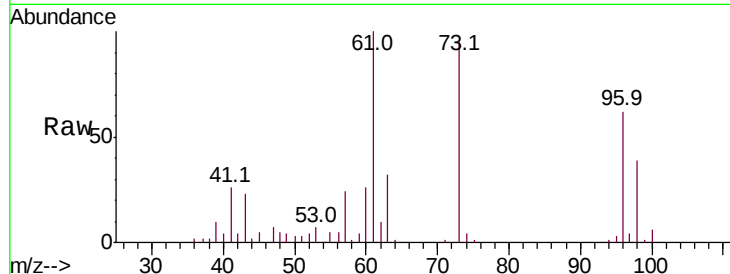
#19
Methyl tert-butyl Ether
Concen: 20.856 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS02

Tot Ion: 73 Resp: 78655
Ion Ratio Lower Upper
73 100
57 25.0 18.9 28.3

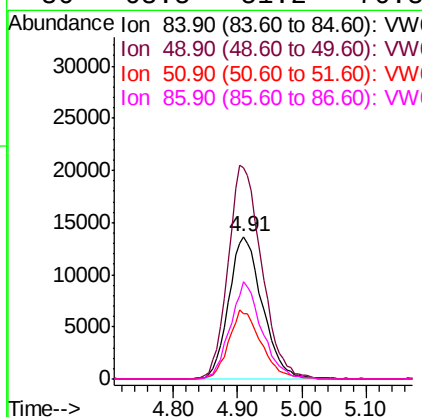
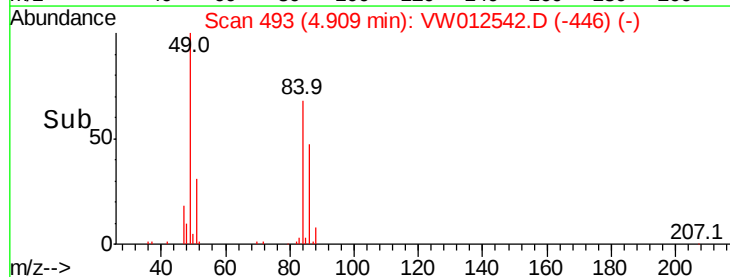
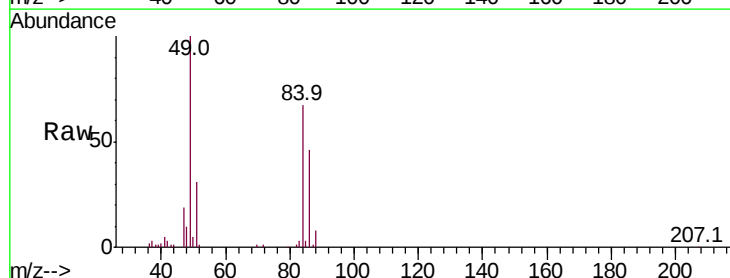
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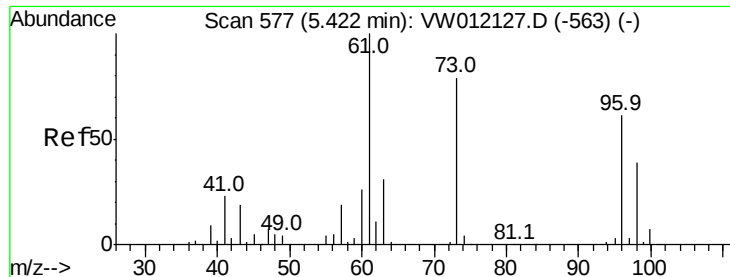
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#20
Methylene Chloride
Concen: 18.672 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion: 84 Resp: 49872
Ion Ratio Lower Upper
84 100
49 148.7 117.8 176.8
51 46.2 35.6 53.4
86 68.5 51.2 76.8





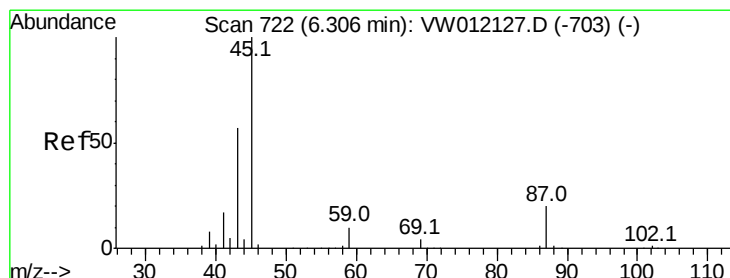
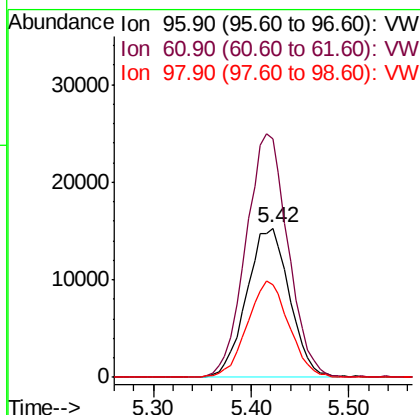
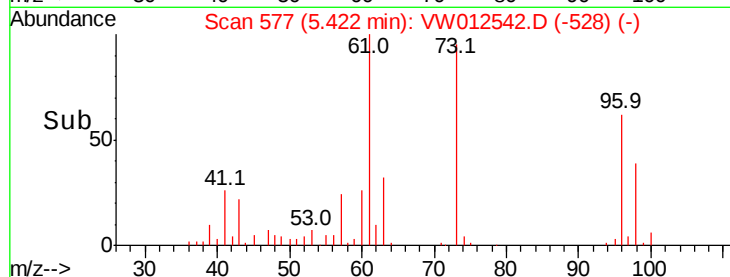
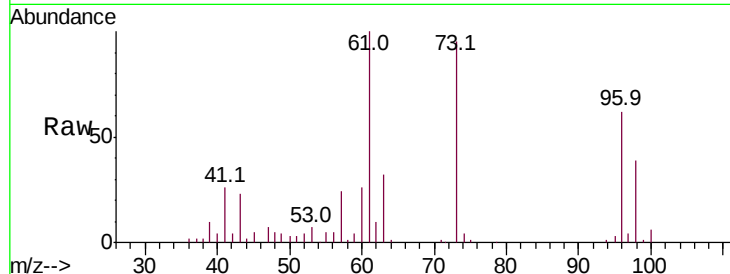
#21
trans-1,2-Dichloroethene
Concen: 18.574 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.1	131.4	197.0
98	61.8	51.4	77.0

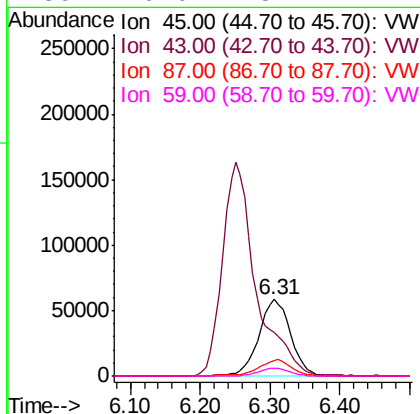
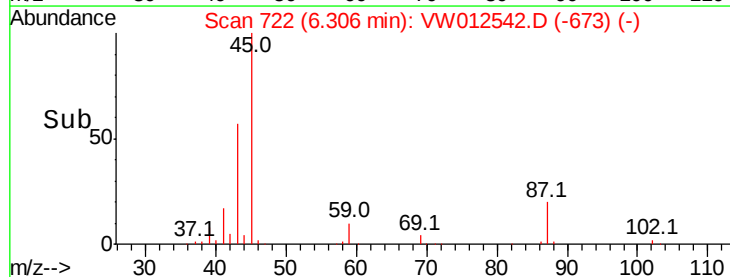
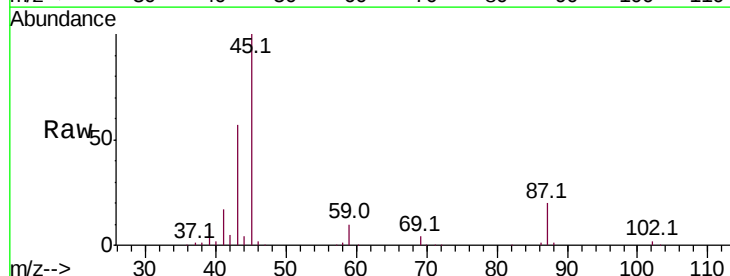
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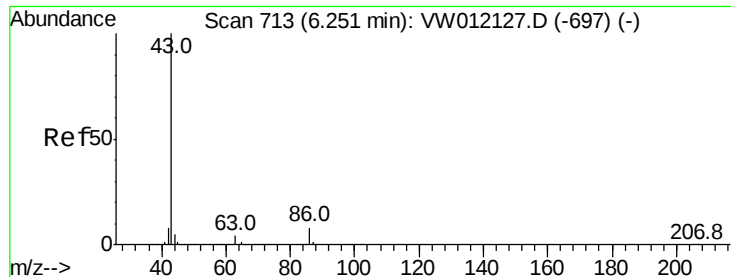
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#22
Diisopropyl ether
Concen: 20.070 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.1	45.5	68.3
87	20.5	16.1	24.1
59	10.0	8.2	12.2





#23

Vinyl Acetate

Concen: 95.464 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012542.D

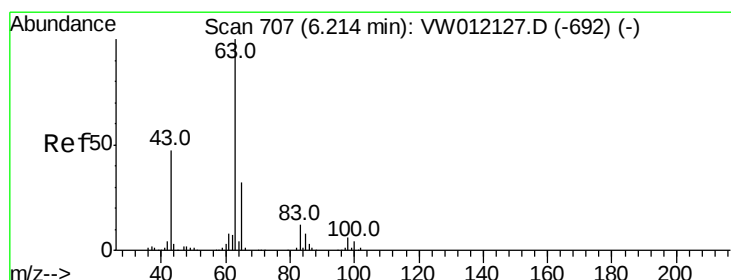
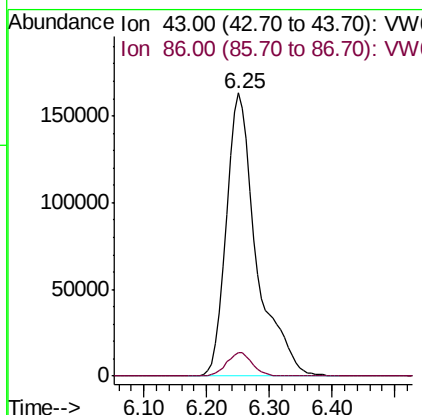
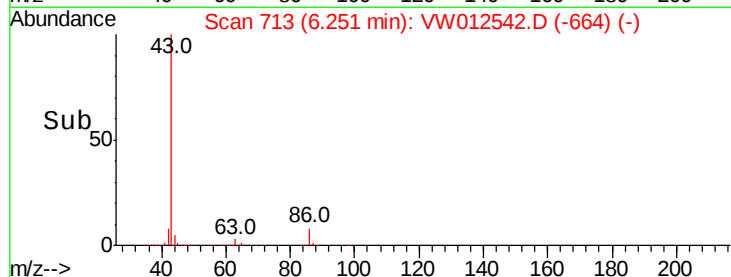
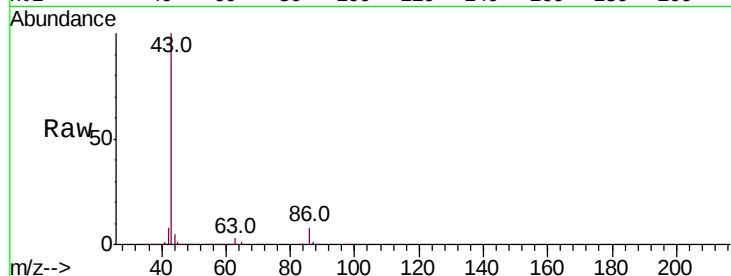
Acq: 03 Sep 2019 13:20

Tot Ion:	43	Resp:	542939
Ion Ratio	Lower	Upper	
43	100		
86	8.3	6.5	9.7

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS02

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#24

1,1-Dichloroethane

Concen: 19.538 ug/l

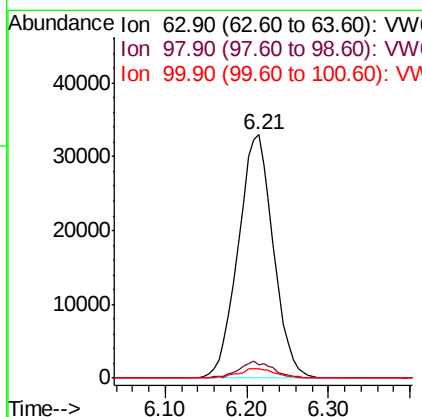
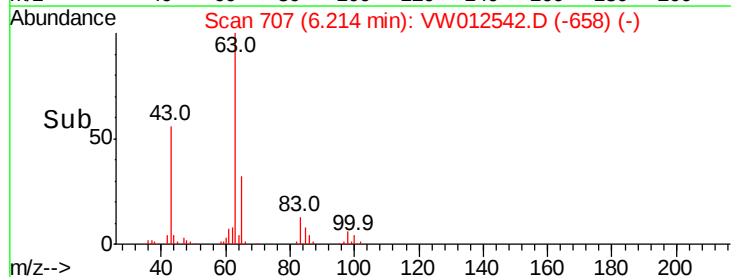
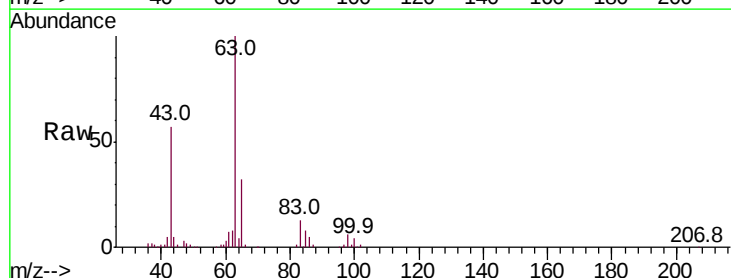
RT: 6.21 min Scan# 707

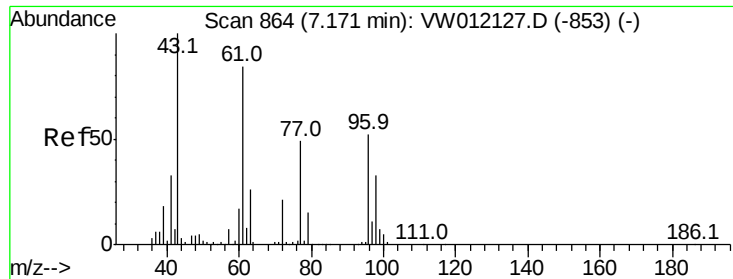
Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Tgt Ion:	63	Resp:	98313
Ion Ratio	Lower	Upper	
63	100		
98	5.6	3.0	9.2
100	4.1	2.0	6.0





#25

2-Butanone

Concen: 95.044 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBSD02

Tot Ion: 43 Resp: 91249

Ion Ratio Lower Upper

43 100

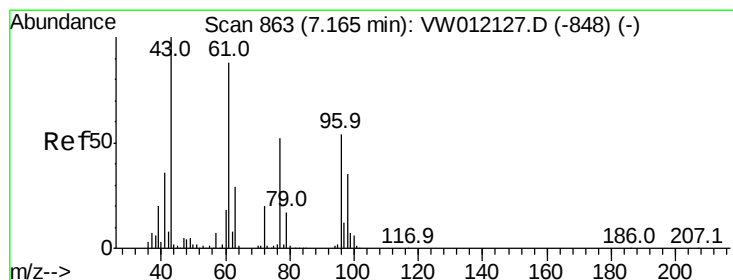
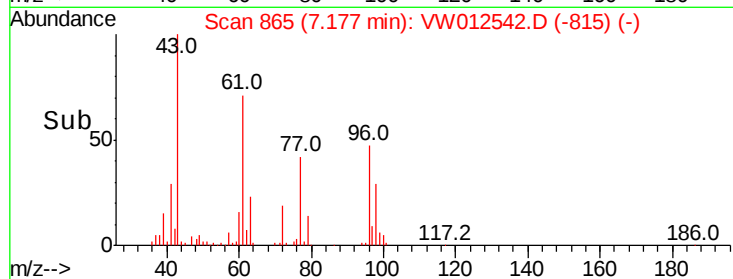
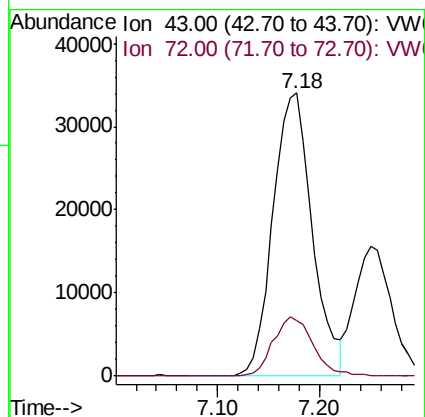
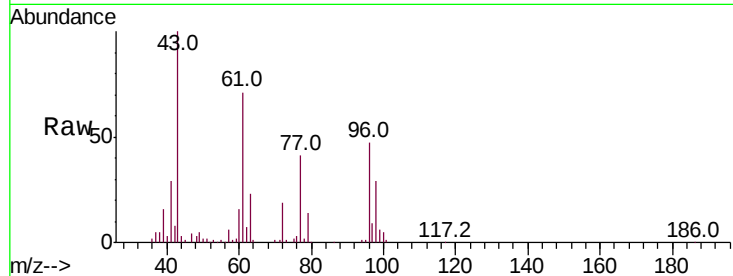
72 19.4 16.6 24.8

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#26

2,2-Dichloropropane

Concen: 19.894 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012542.D

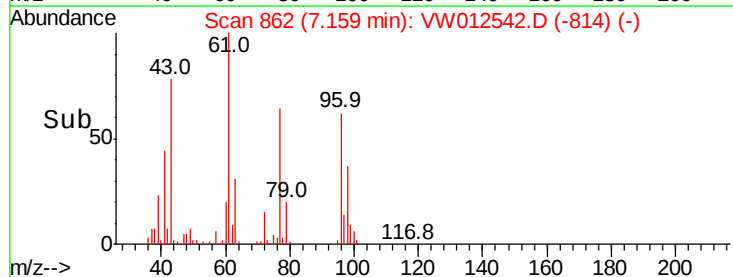
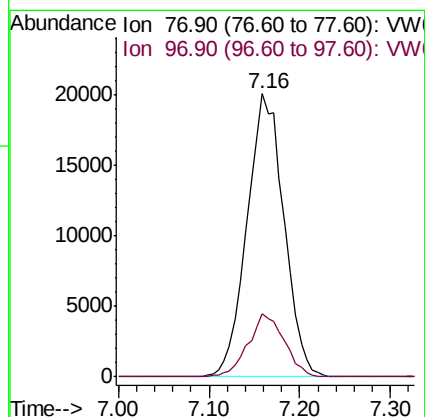
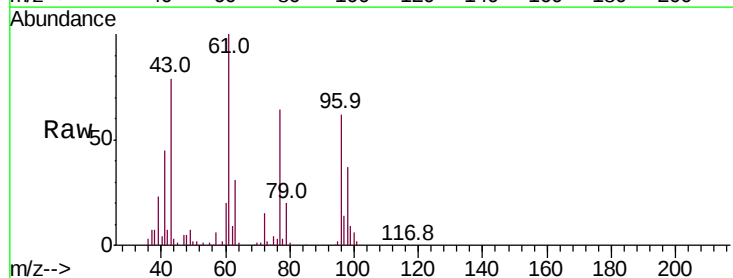
Acq: 03 Sep 2019 13:20

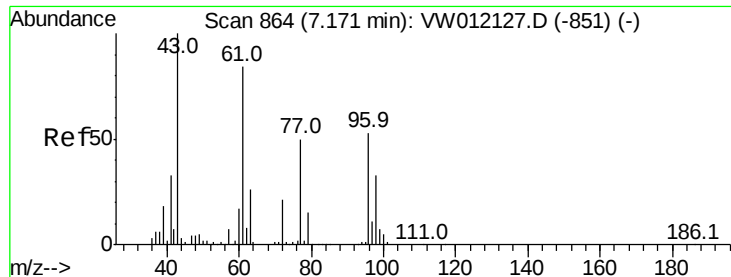
Tgt Ion: 77 Resp: 56660

Ion Ratio Lower Upper

77 100

97 21.8 11.1 33.1





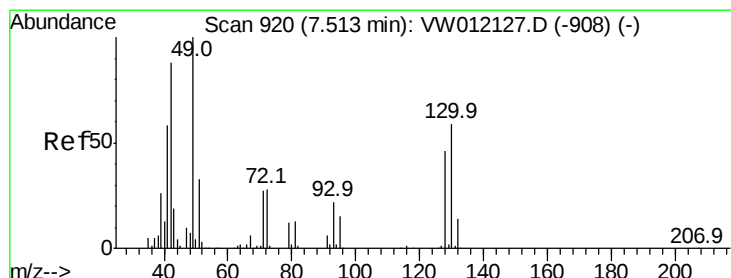
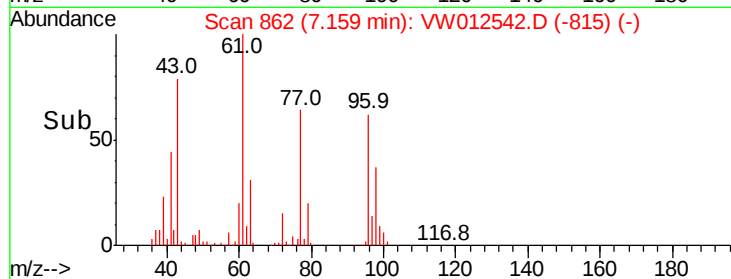
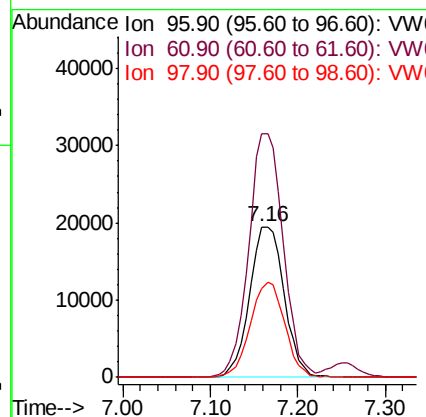
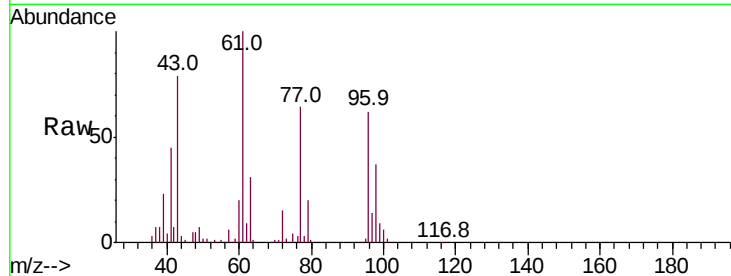
#27
 cis-1,2-Dichloroethene
 Concen: 20.029 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.3	0.0	326.6	
98	62.8	0.0	127.4	

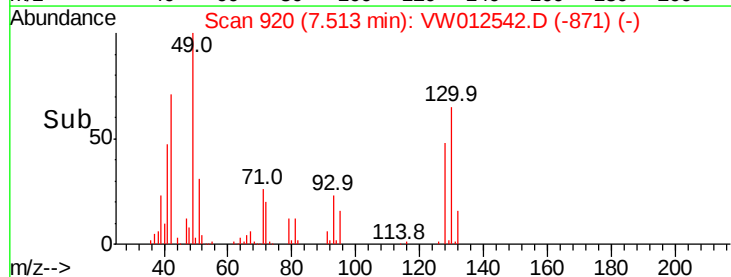
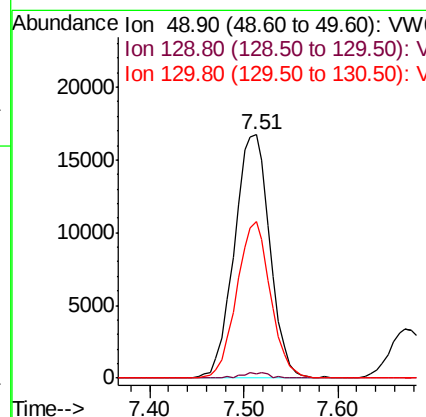
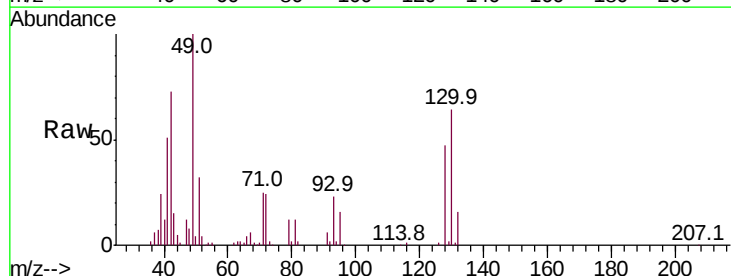
Manual Integrations
 APPROVED

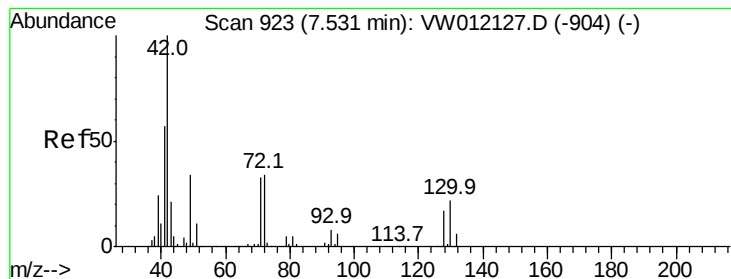
MMDadoda
 9/5/2019 3:54:23 PM



#28
 Bromochloromethane
 Concen: 19.988 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	1.4#	
130	61.7	45.5	68.3	





#29

Tetrahydrofuran

Concen: 97.484 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

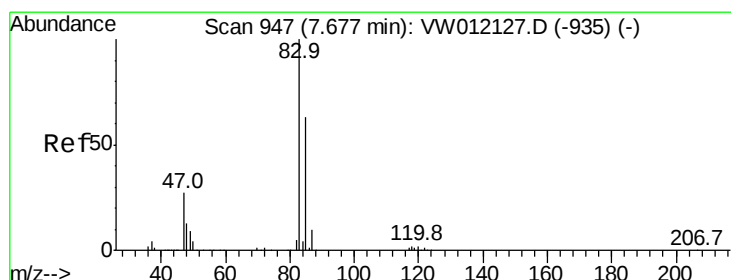
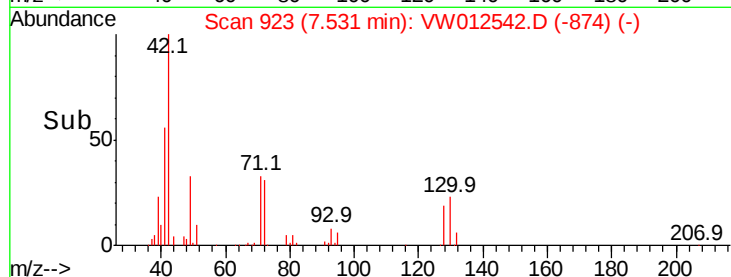
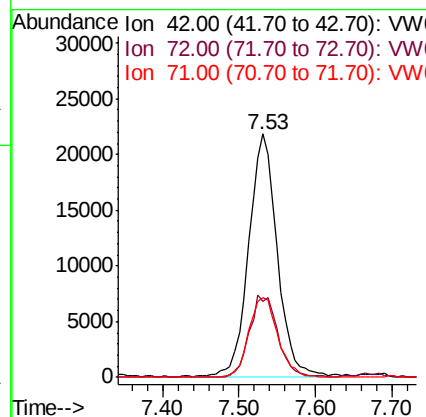
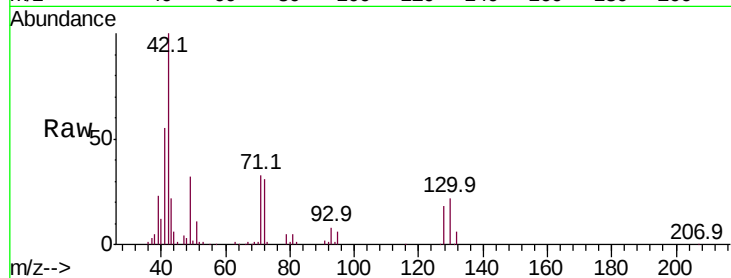
ClientSampleId :

VW0903SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.3	40.9
71	33.8	25.5	38.3

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#30

Chloroform

Concen: 20.415 ug/l

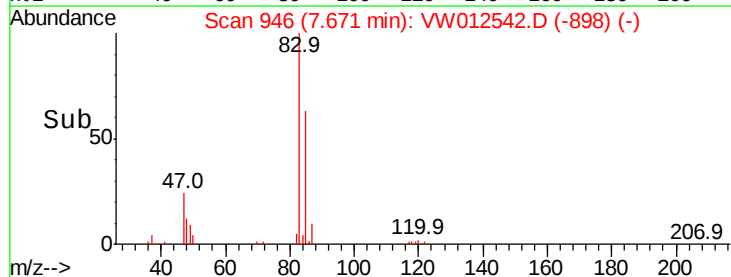
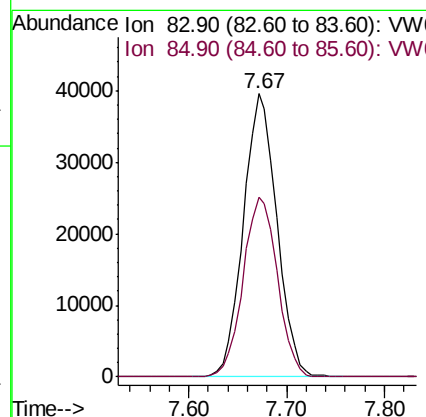
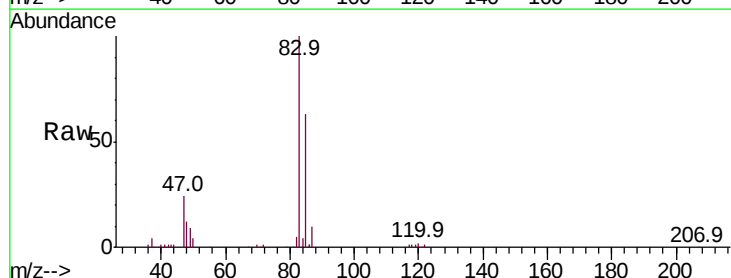
RT: 7.67 min Scan# 946

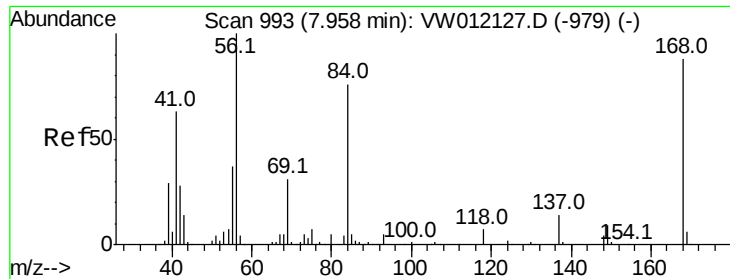
Delta R.T. -0.01 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0





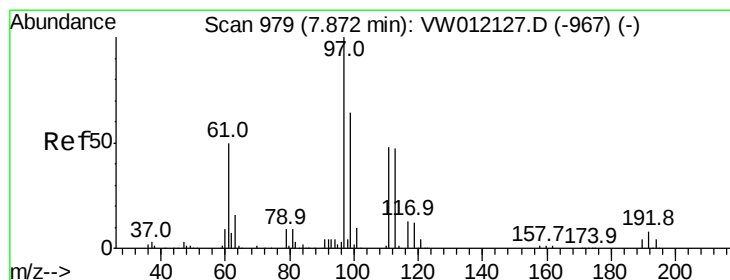
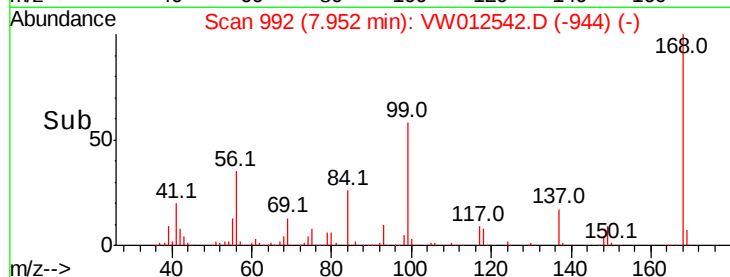
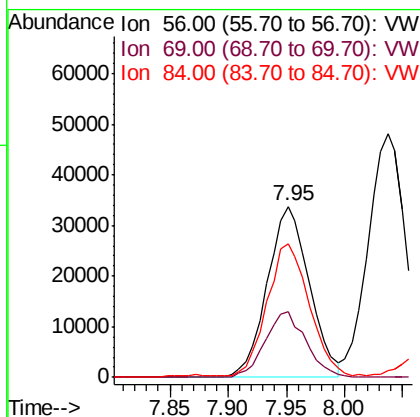
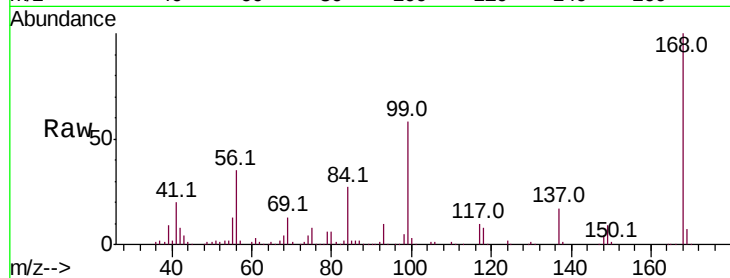
#31
Cyclohexane
Concen: 16.998 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	24.9	37.3#
84	76.8	60.6	90.8

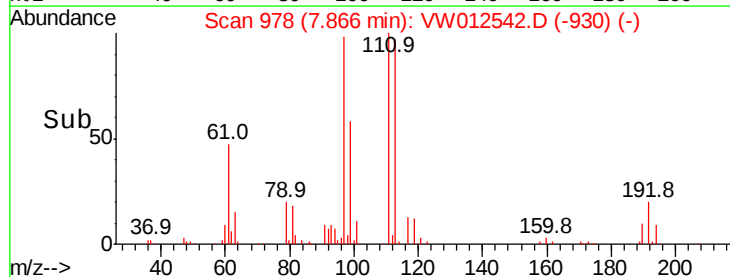
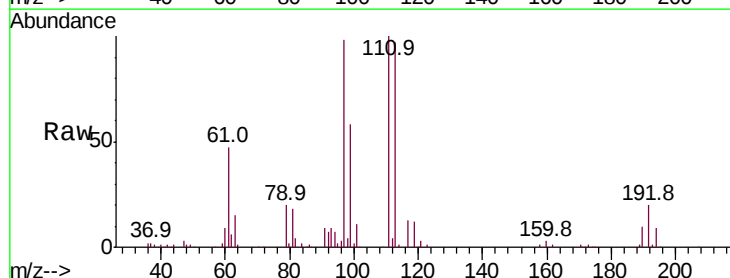
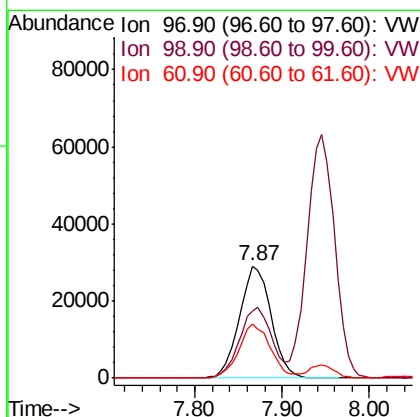
Manual Integrations
APPROVED

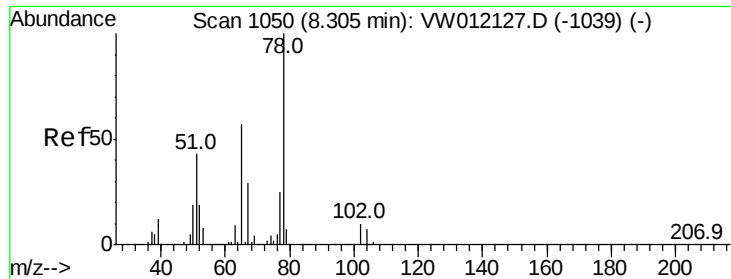
MMDadoda
9/5/2019 3:54:23 PM



#32
1,1,1-Trichloroethane
Concen: 19.995 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	48.5	39.5	59.3





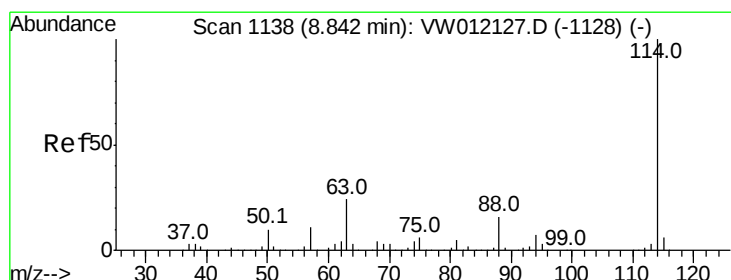
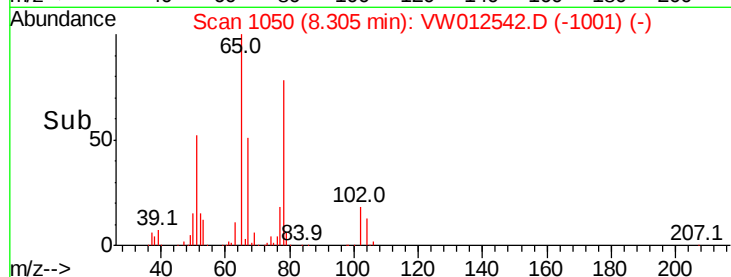
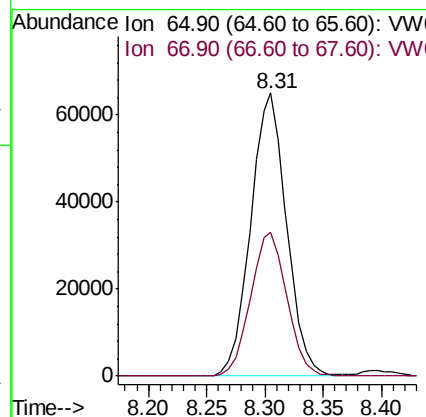
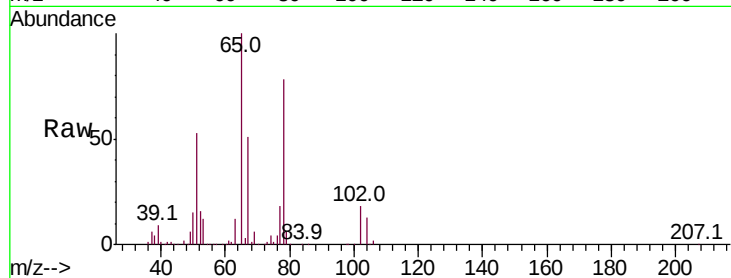
#33
 1,2-Dichloroethane-d4
 Concen: 50.525 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	139645		
67	51.4	0.0	102.6	

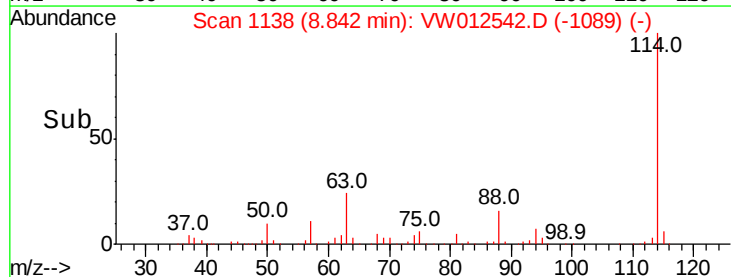
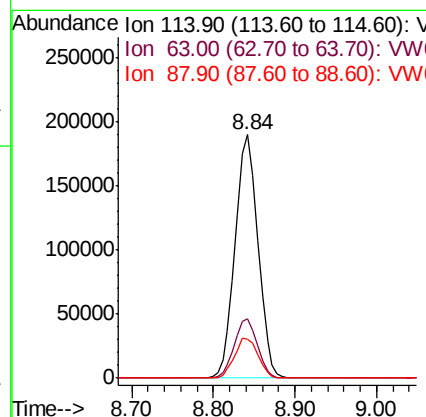
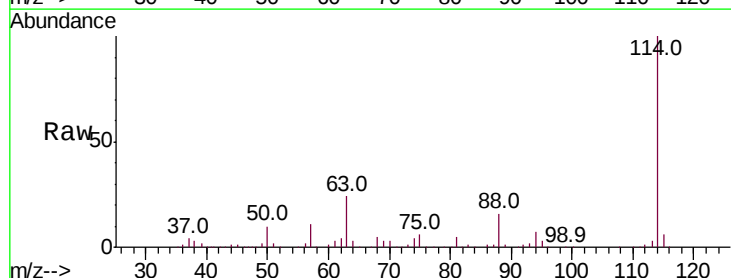
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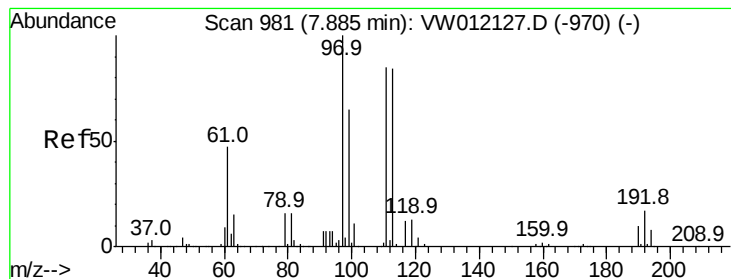
MMDadoda
 9/5/2019 3:54:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	365452		
63	24.2	0.0	48.6	
88	15.7	0.0	32.2	





#35

Dibromofluoromethane

Concen: 51.388 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

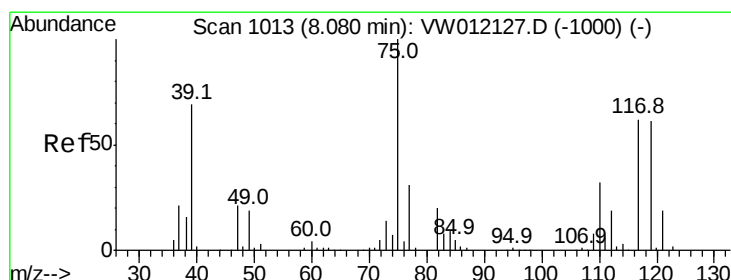
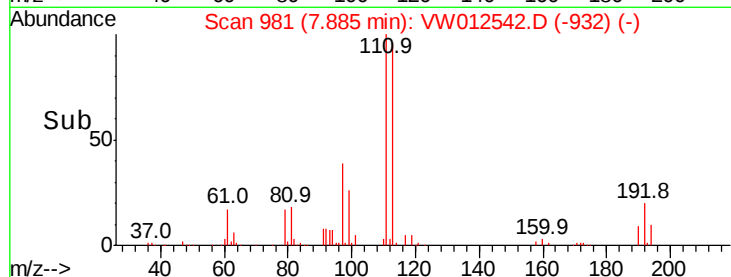
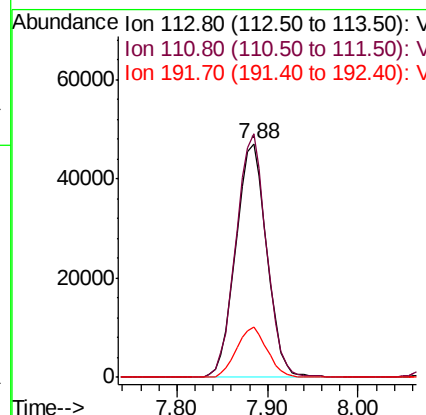
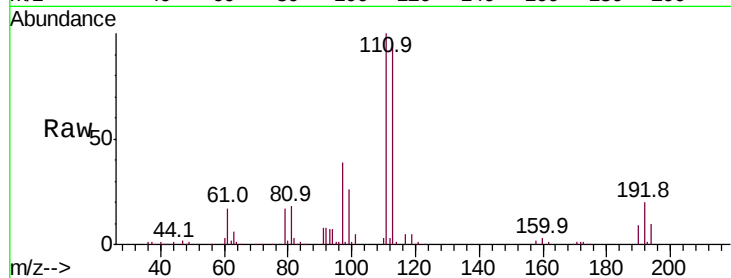
ClientSampleId :

VW0903SBS02

Tot Ion:	113	Resp:	112097
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.7	124.1
192	21.0	16.2	24.2

Manual Integrations
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9/5/2019 3:54:23 PM



#36

1,1-Dichloropropene

Concen: 19.156 ug/l

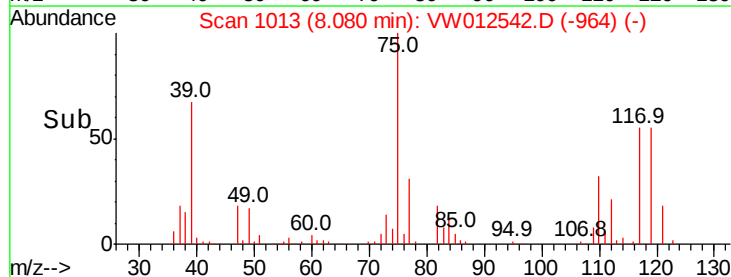
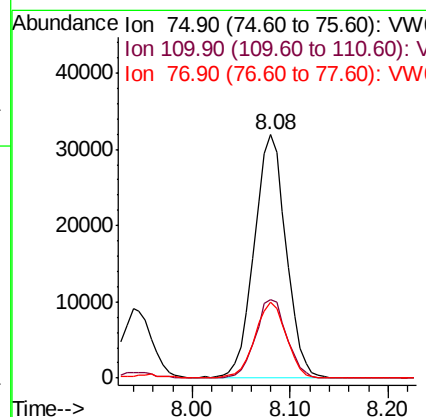
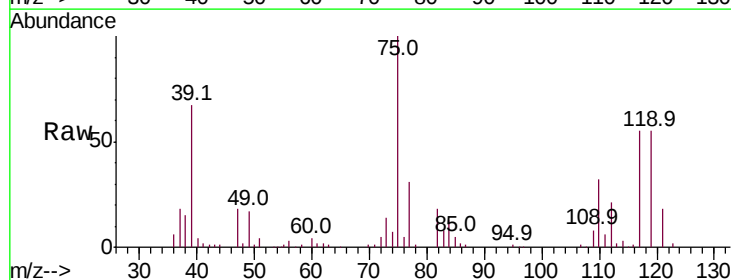
RT: 8.08 min Scan# 1013

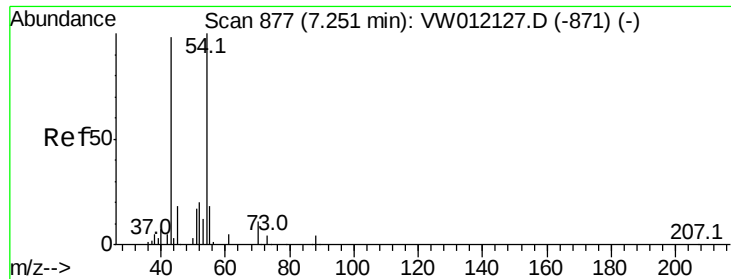
Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Tgt Ion:	75	Resp:	72344
Ion Ratio	Lower	Upper	
75	100		
110	31.6	15.6	46.8
77	31.0	24.6	36.8





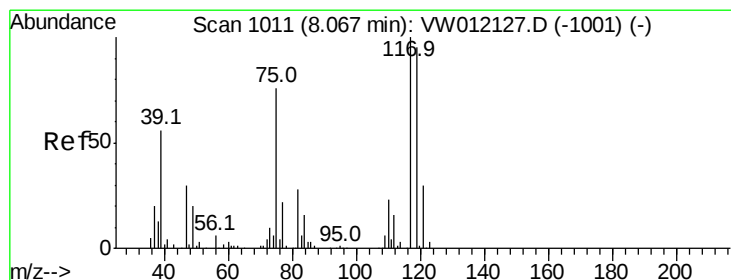
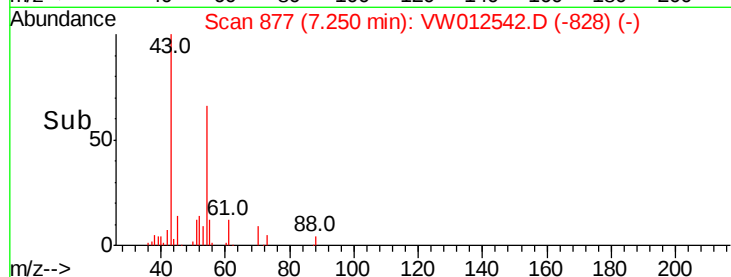
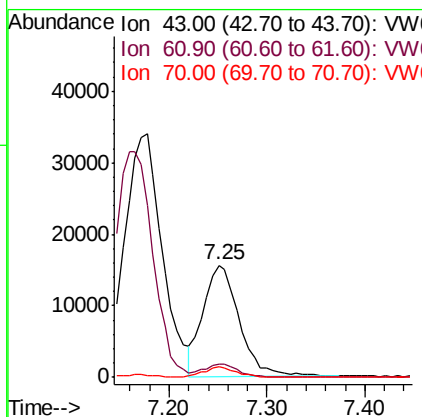
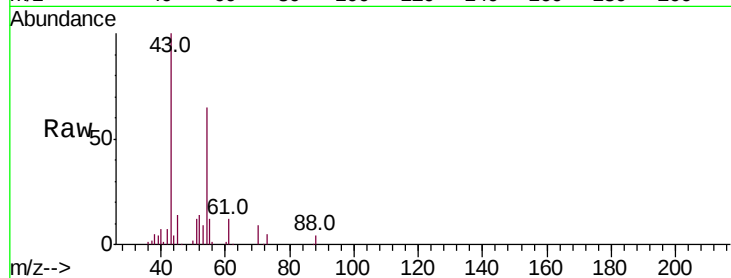
#37
Ethyl Acetate
Concen: 19.335 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.2	13.8
70	8.9	6.9	10.3

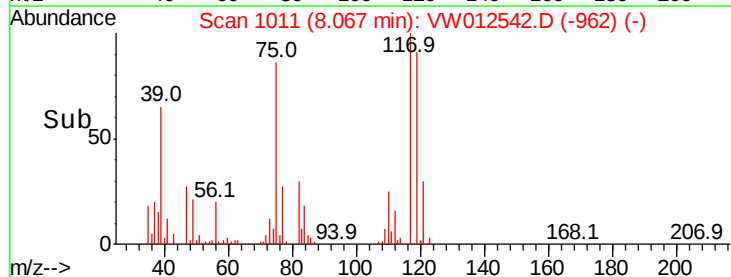
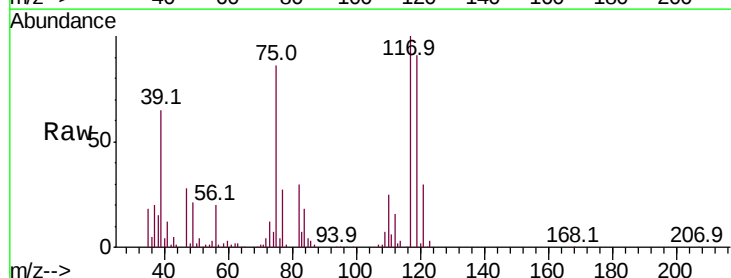
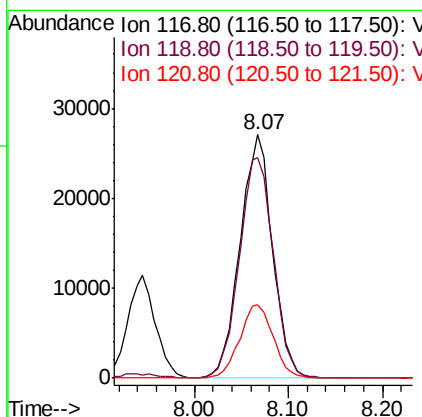
Manual Integrations
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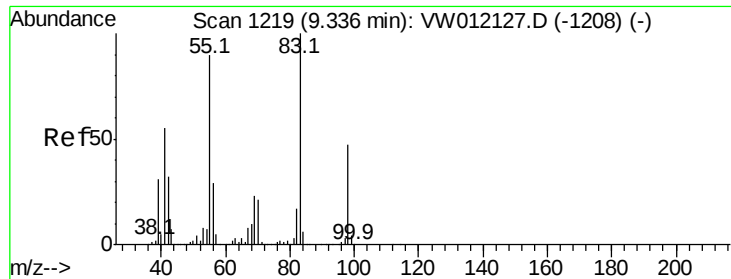
MMDadoda
9/5/2019 3:54:23 PM



#38
Carbon Tetrachloride
Concen: 19.792 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	76.2	114.2
121	29.9	23.8	35.8





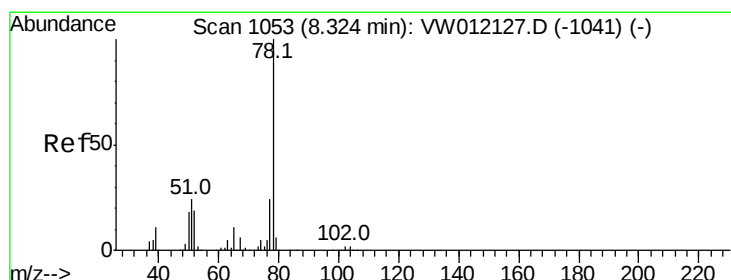
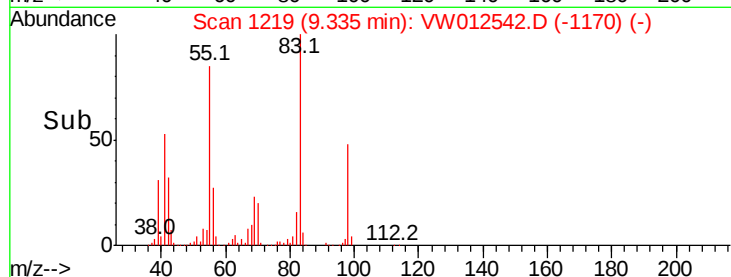
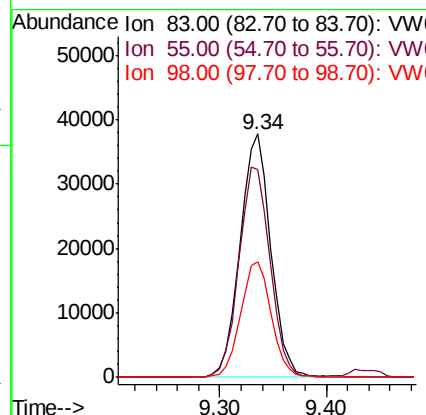
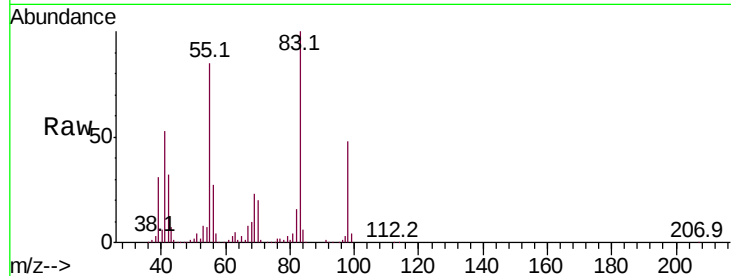
#39
Methvlcvclohexane
Concen: 18.014 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD02

Tot Ion	83	Resp	76427
Ion Ratio	100	Lower	Upper
55	85.1	71.8	107.8
98	47.7	37.8	56.8

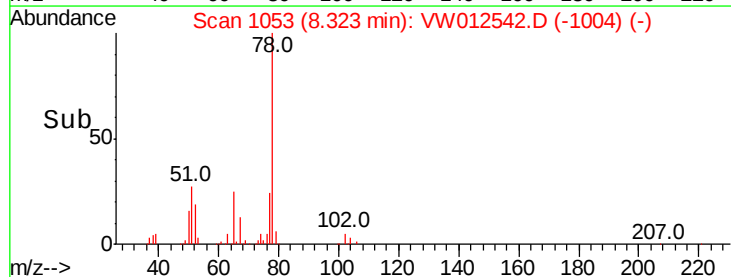
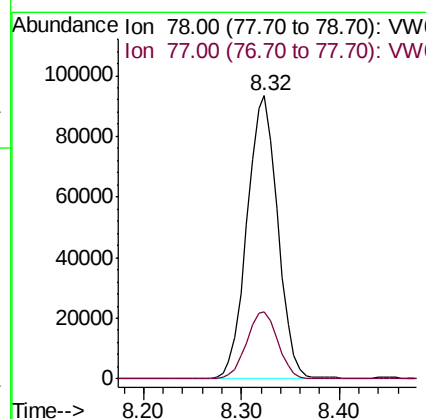
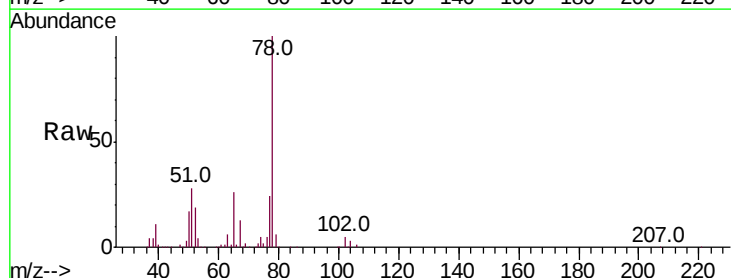
Manual Integrations
APPROVED

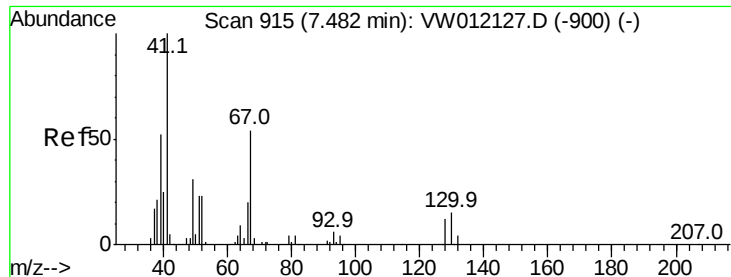
MMDadoda
9/5/2019 3:54:23 PM



#40
Benzene
Concen: 19.740 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion	78	Resp	203556
Ion Ratio	100	Lower	Upper
77	23.8	19.5	29.3





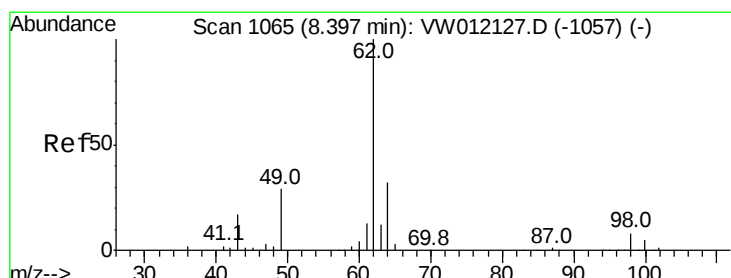
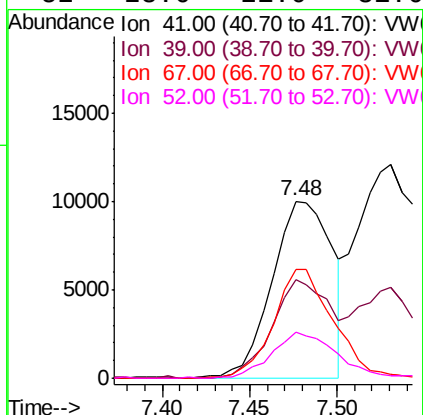
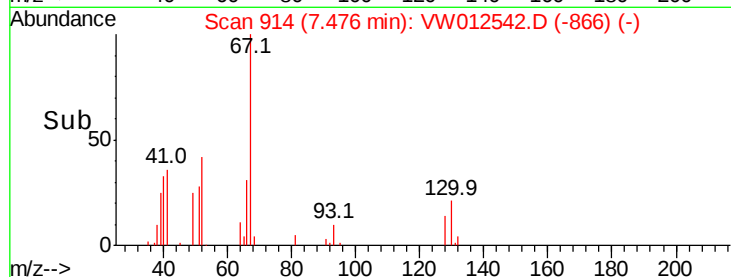
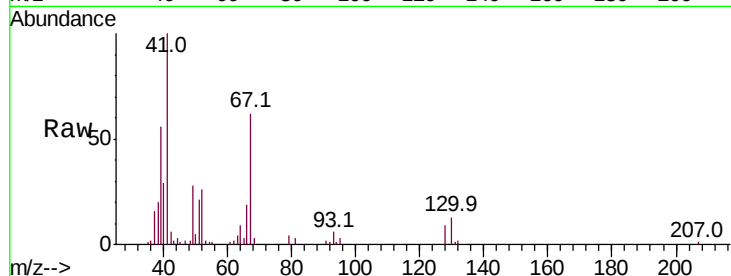
#41
Methacrylonitrile
Concen: 19.720 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD02

Tot Ion	41	Resp	23985
Ion	Ratio	Lower	Upper
41	100		
39	53.6	45.8	68.8
67	61.4	46.2	69.4
52	28.6	21.0	31.6

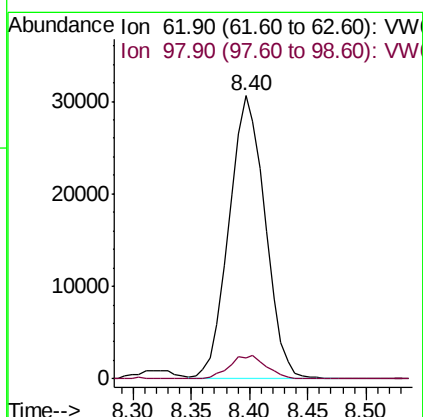
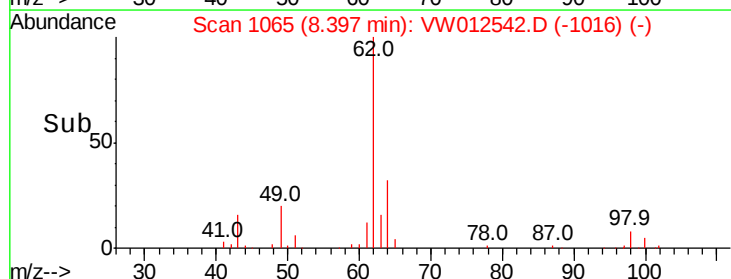
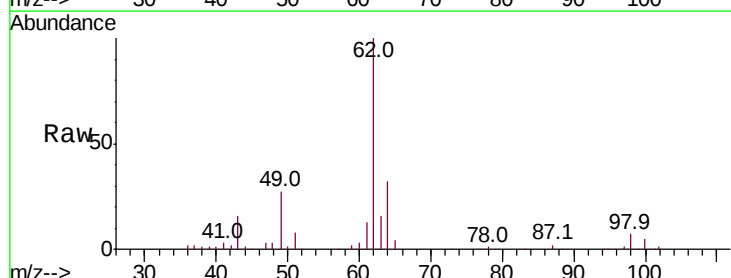
Manual Integrations
APPROVED

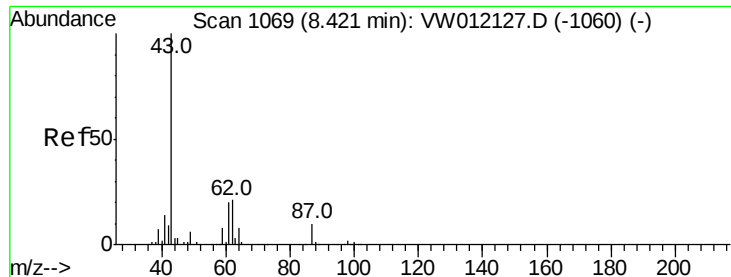
MMDadoda
9/5/2019 3:54:23 PM



#42
1,2-Dichloroethane
Concen: 20.405 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion	62	Resp	65948
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 20.013 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

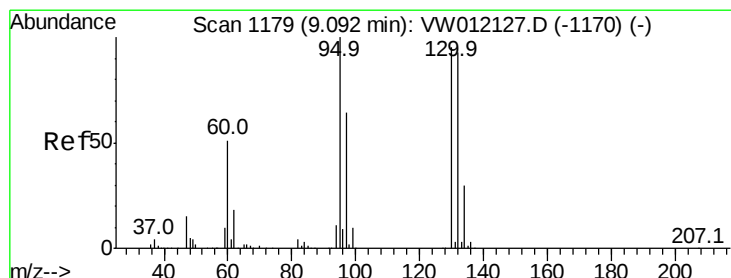
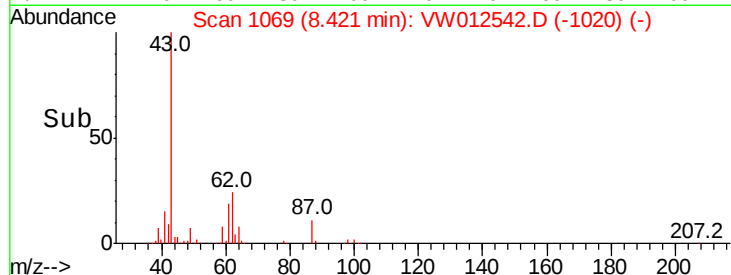
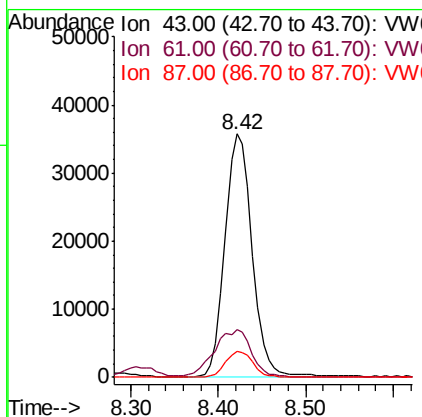
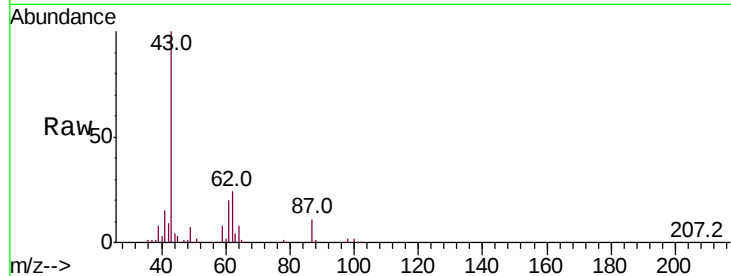
ClientSampleId :

VW0903SBS02

Tot Ion:	43	Resp:	76716
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.1	31.7
87	10.9	8.2	12.2

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#44

Trichloroethene

Concen: 20.067 ug/l

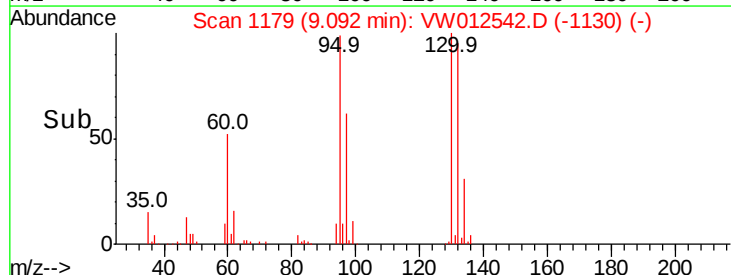
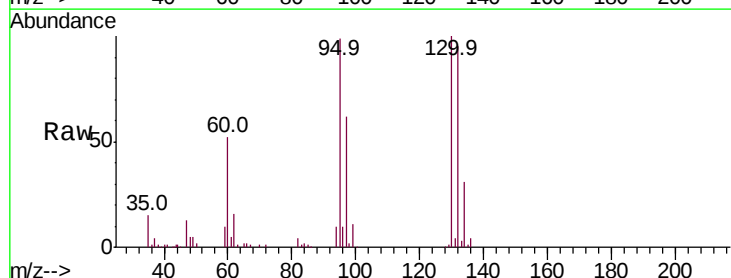
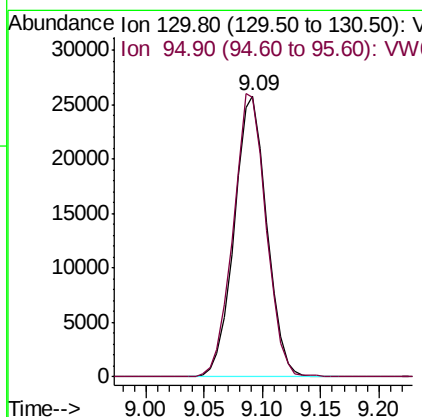
RT: 9.09 min Scan# 1179

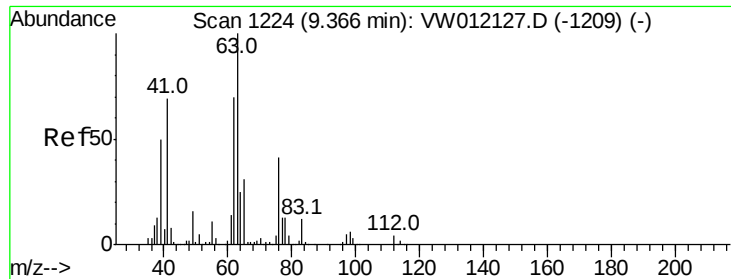
Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Tgt Ion:	130	Resp:	50304
Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	210.6





#45

1,2-Dichloropropane

Concen: 20.145 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS02

Tot Ion: 63 Resp: 55907

Ion Ratio Lower Upper

63 100

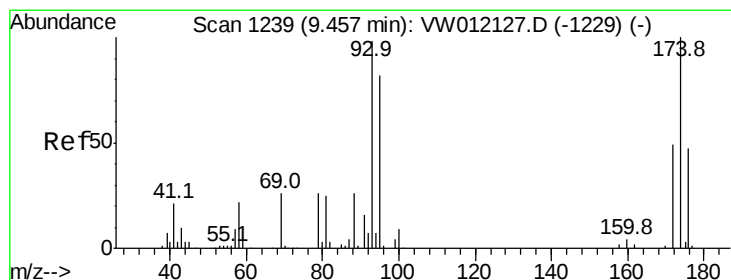
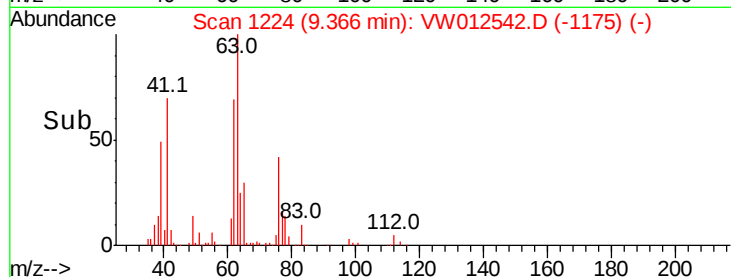
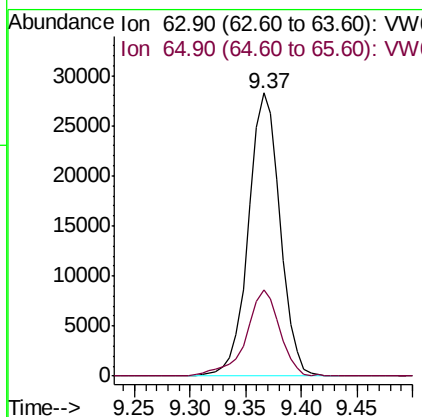
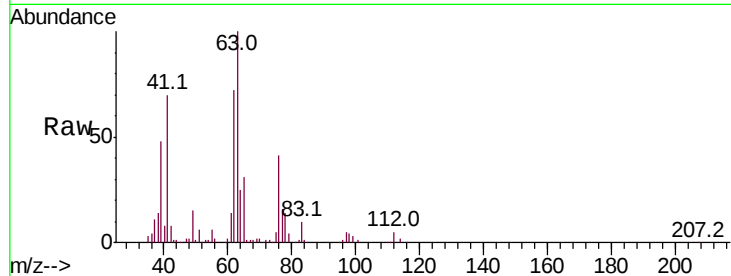
65 30.6 25.0 37.4

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#46

Dibromomethane

Concen: 20.013 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

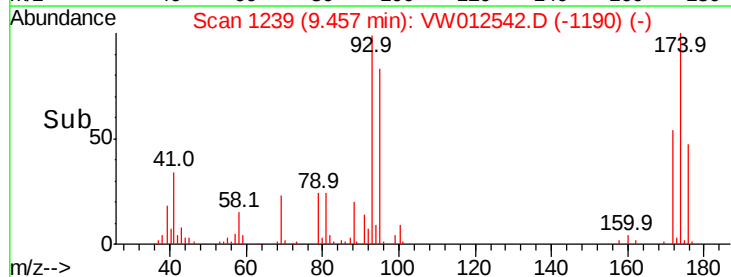
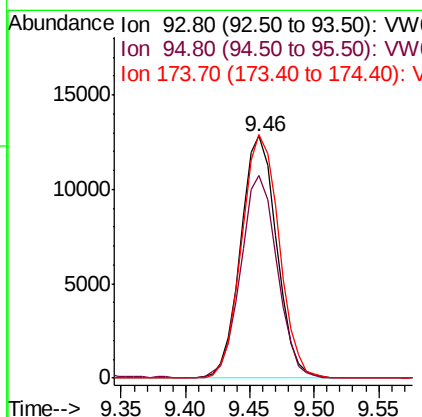
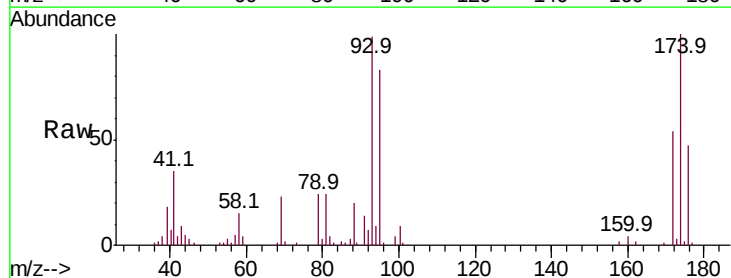
Tgt Ion: 93 Resp: 24712

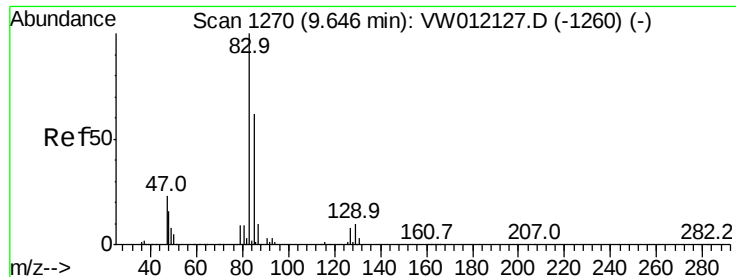
Ion Ratio Lower Upper

93 100

95 84.6 67.2 100.8

174 104.8 79.0 118.6





#47

Bromodichloromethane

Concen: 20.562 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

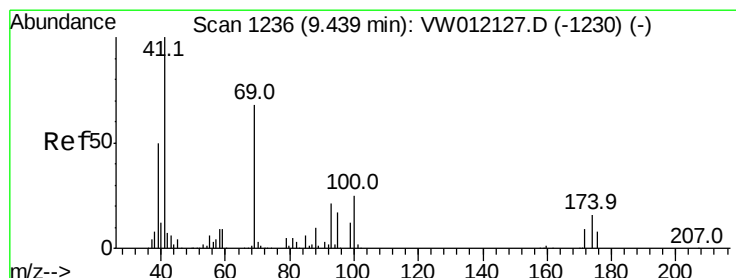
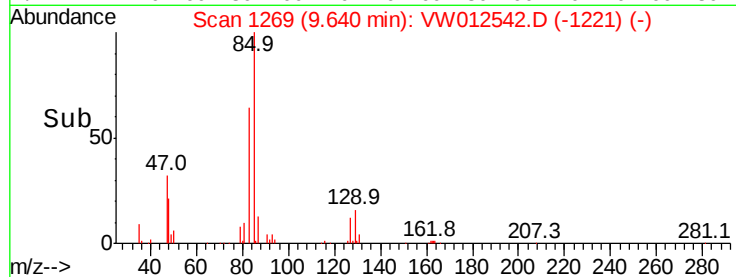
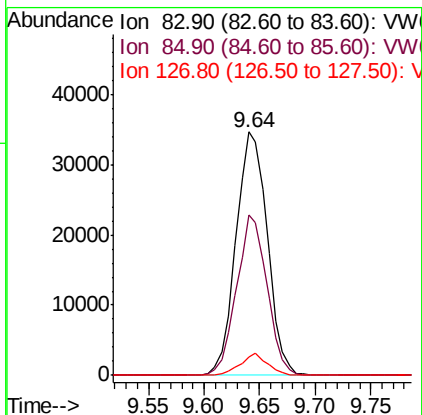
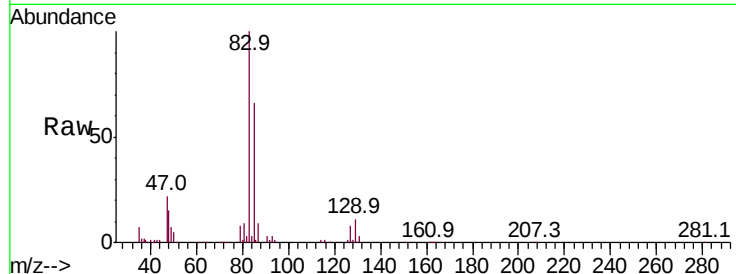
ClientSampleId :

VW0903SBS02

Tot Ion:	83	Resp:	67573
Ion Ratio	Lower	Upper	
83	100		
85	66.0	49.4	74.2
127	7.8	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.972 ug/l

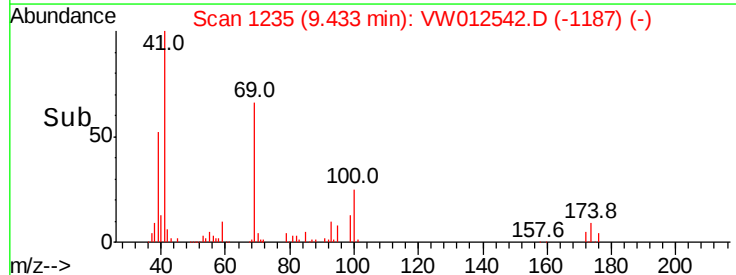
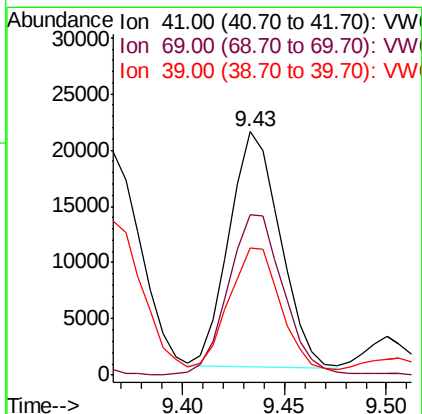
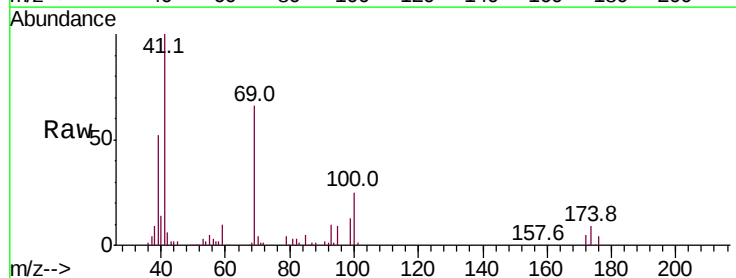
RT: 9.43 min Scan# 1235

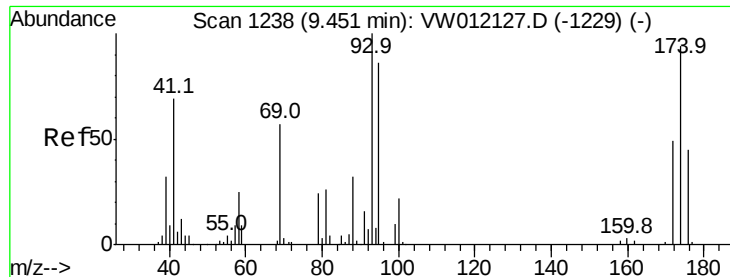
Delta R.T. -0.01 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Tgt Ion:	41	Resp:	36438
Ion Ratio	Lower	Upper	
41	100		
69	74.3	56.7	85.1
39	57.1	42.0	63.0





#49

1,4-Dioxane

Concen: 397.334 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBSD02

Tot Ion: 88 Resp: 7511

Ion Ratio Lower Upper

88 100

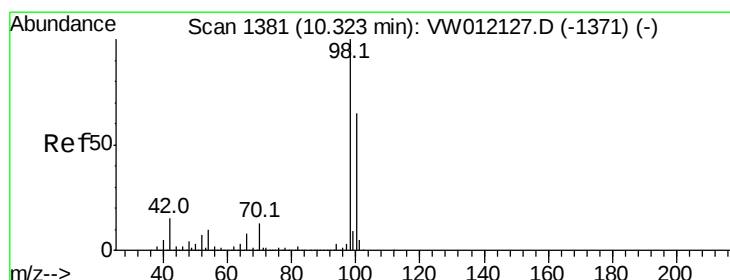
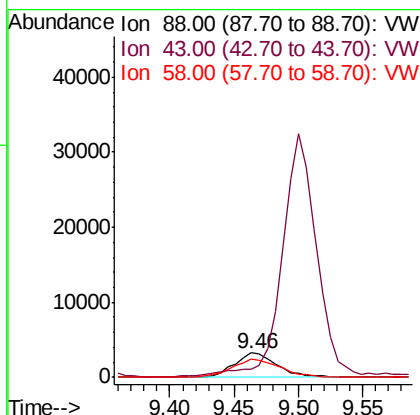
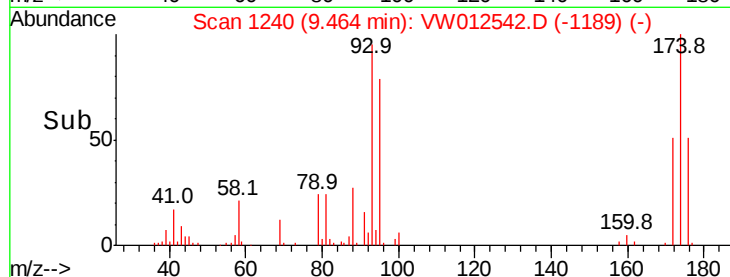
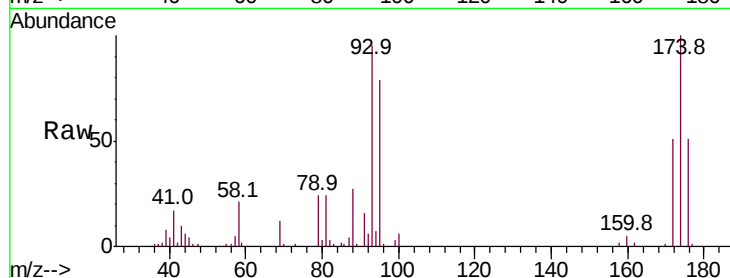
43 0.0 32.9 49.3#

58 85.5 71.0 106.4

Manual Integrations
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#50

Toluene-d8

Concen: 50.215 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012542.D

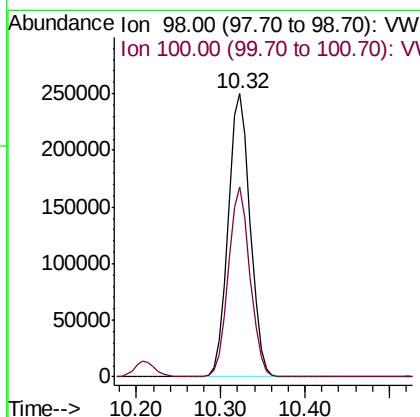
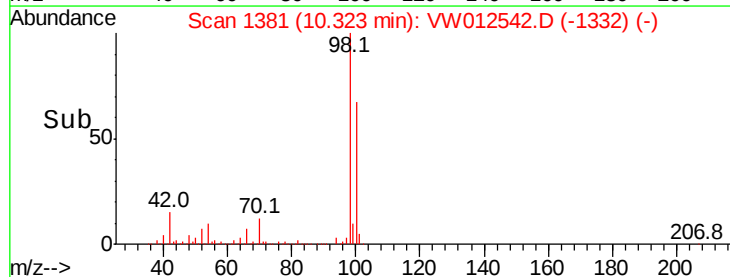
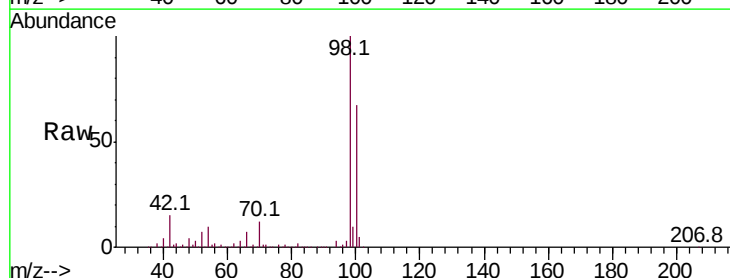
Acq: 03 Sep 2019 13:20

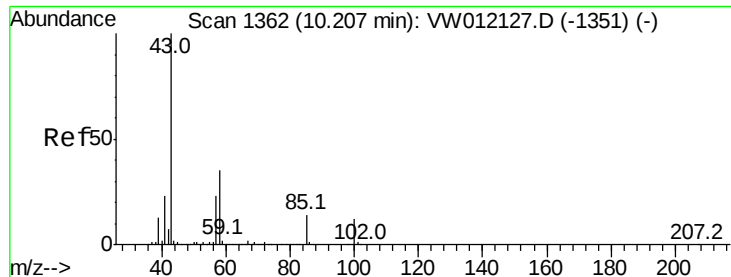
Tgt Ion: 98 Resp: 444146

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 101.347 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS02

Tot Ion: 43 Resp: 197601

Ion Ratio Lower Upper

43 100

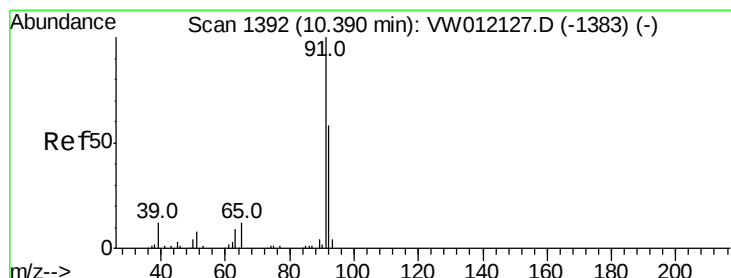
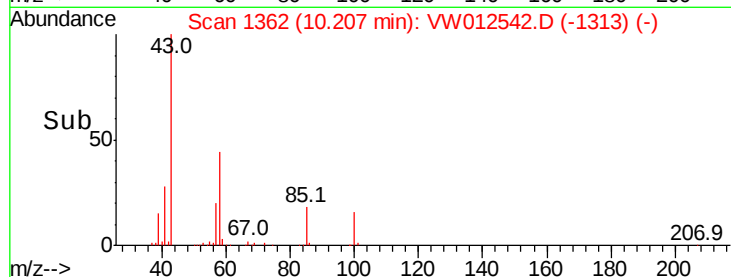
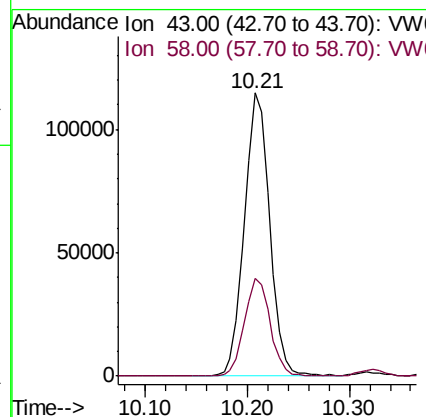
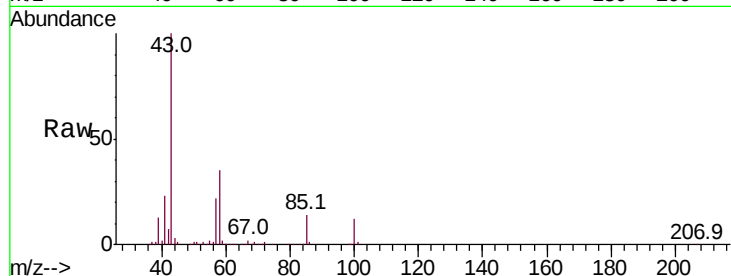
58 35.1 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 20.044 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012542.D

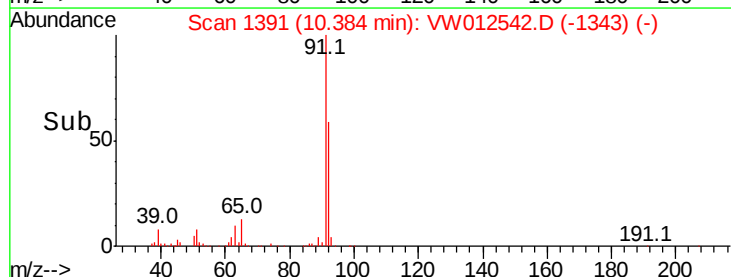
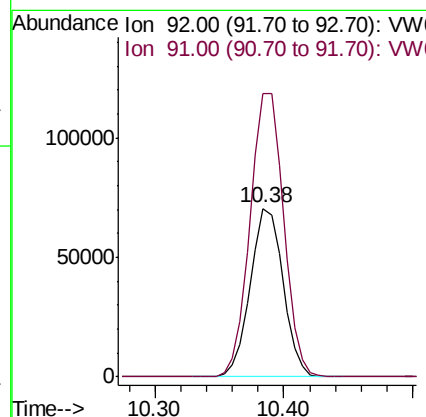
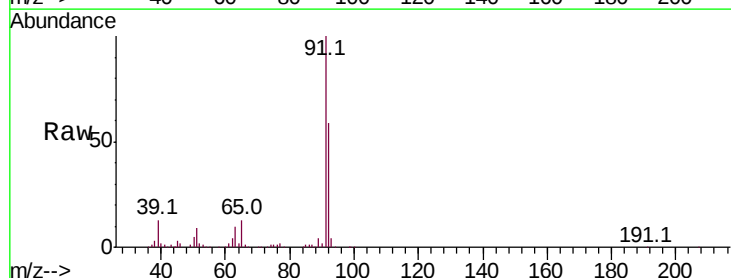
Acq: 03 Sep 2019 13:20

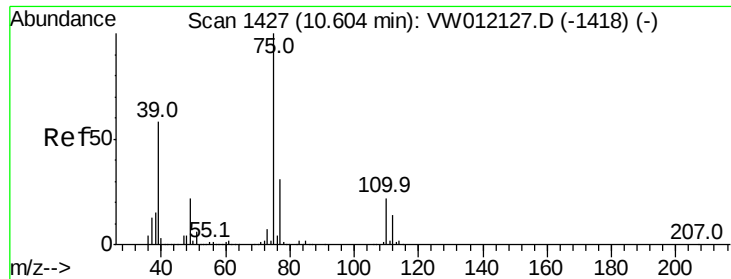
Tgt Ion: 92 Resp: 124172

Ion Ratio Lower Upper

92 100

91 171.7 136.6 204.8





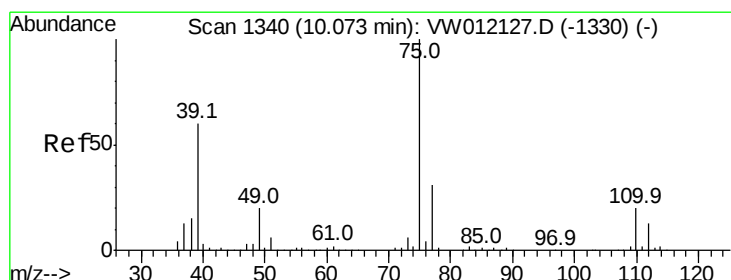
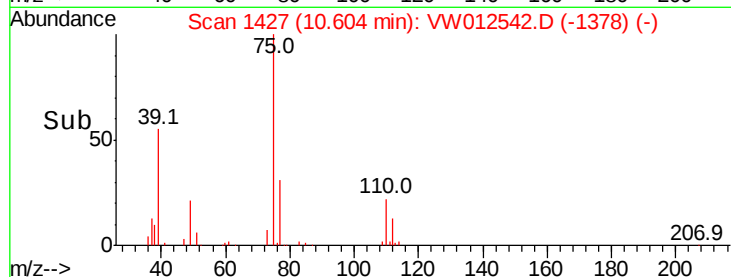
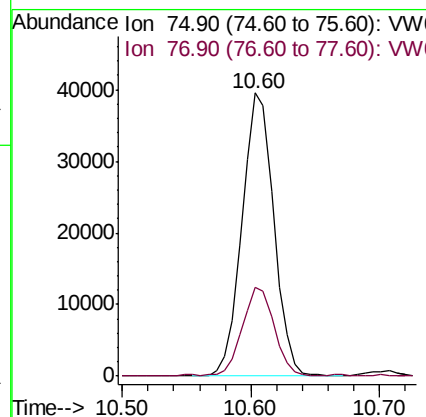
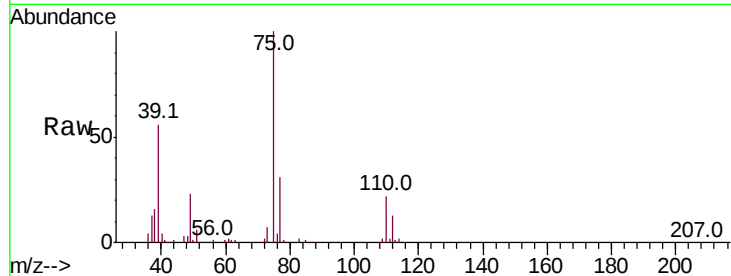
#53
 t-1,3-Dichloropropene
 Concen: 20.155 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS02

Tot Ion: 75 Resp: 67470
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.0 37.4

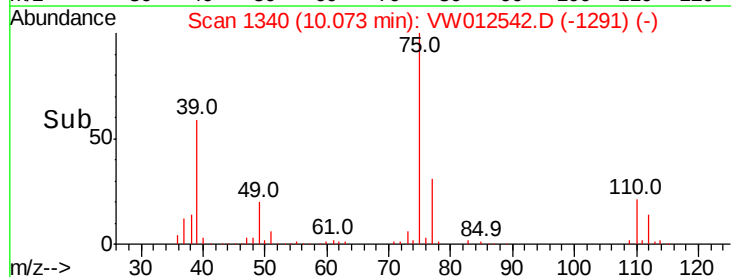
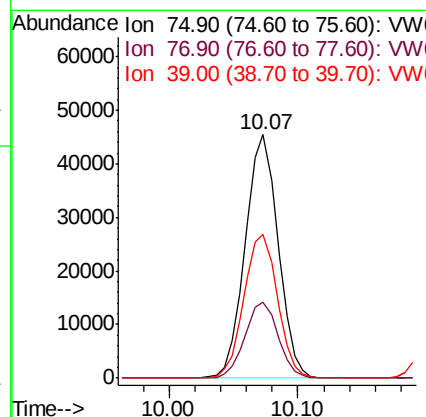
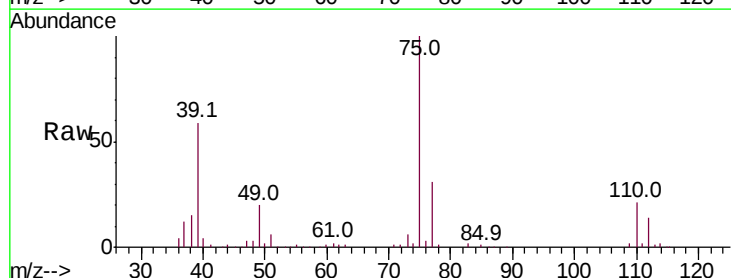
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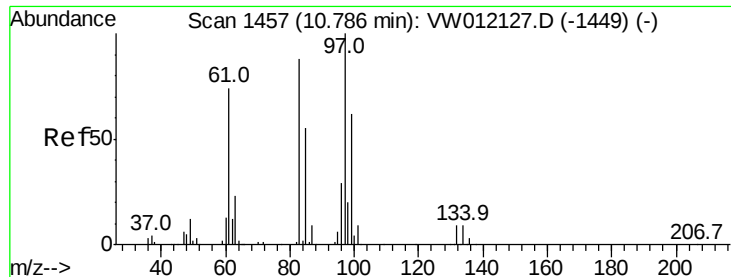
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#54
 cis-1,3-Dichloropropene
 Concen: 19.786 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

Tgt Ion: 75 Resp: 79974
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.1 37.7
 39 58.9 48.3 72.5





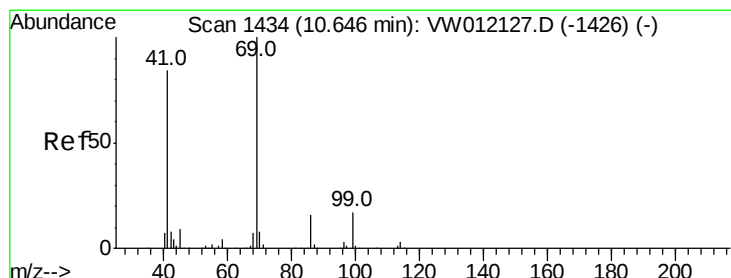
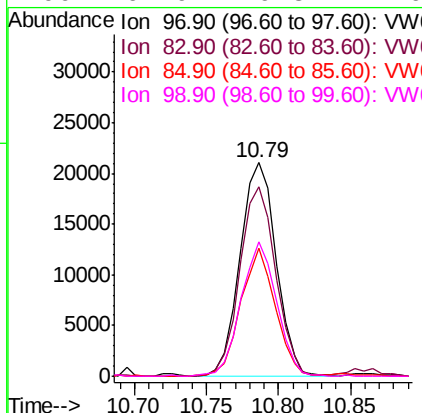
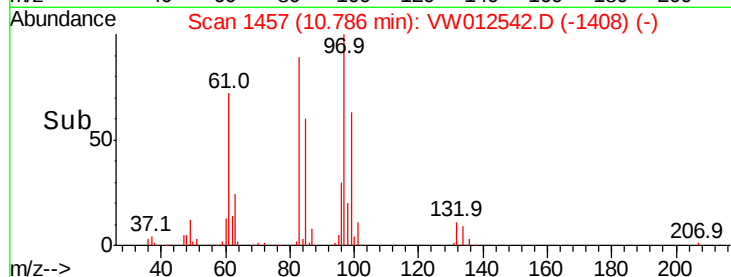
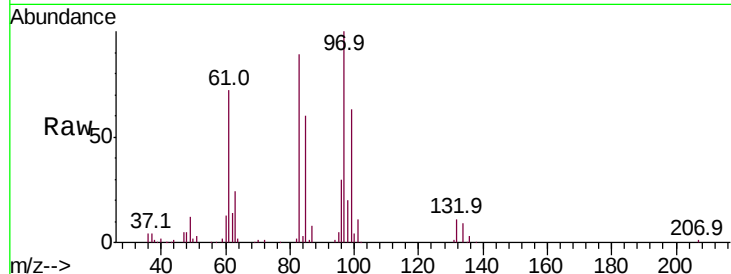
#55
 1,1,2-Trichloroethane
 Concen: 20.981 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
97	100	36655		
83	88.6	70.8	106.2	
85	59.8	43.8	65.8	
99	62.9	49.8	74.6	

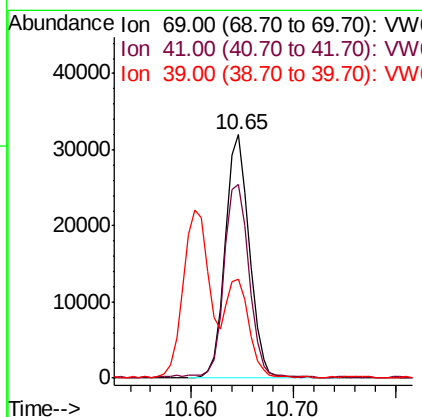
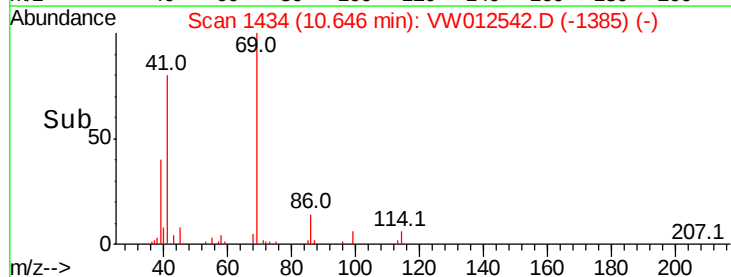
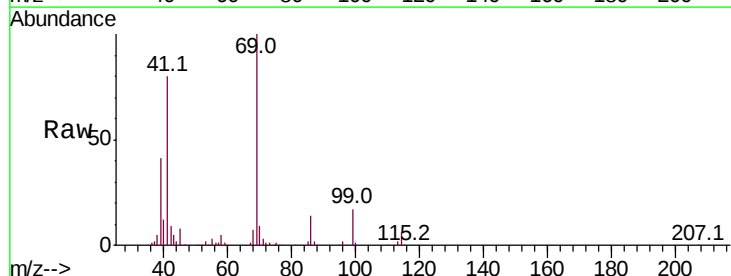
Manual Integrations
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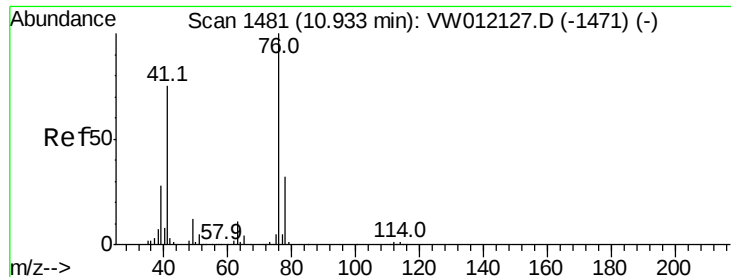
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 9/5/2019 3:54:23 PM



#56
 Ethyl methacrylate
 Concen: 20.595 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	52368		
41	83.5	66.5	99.7	
39	38.2	31.0	46.4	





#57

1,3-Dichloropropane

Concen: 21.066 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS02

Tot Ion: 76 Resp: 69550

Ion Ratio Lower Upper

76 100

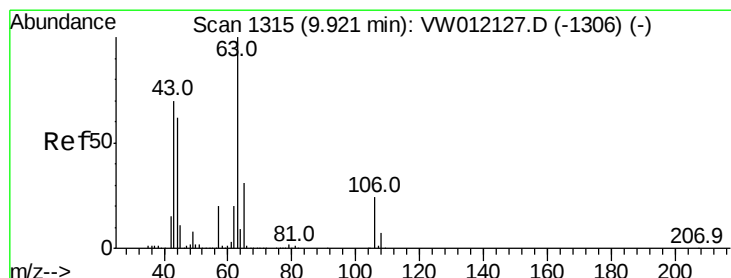
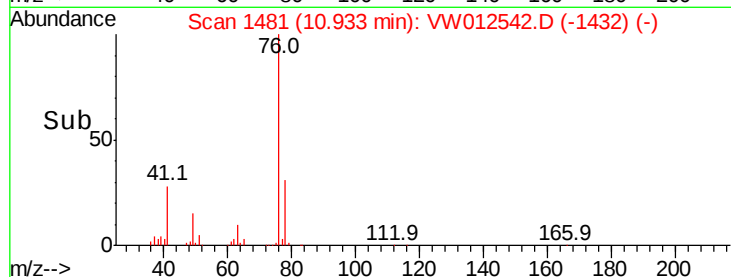
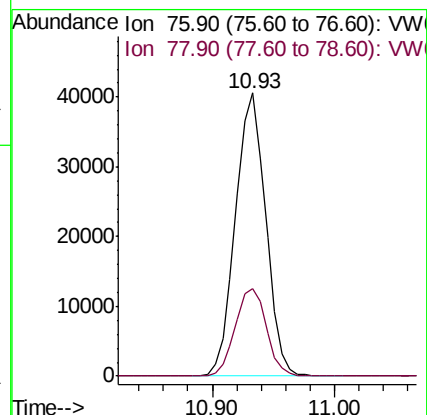
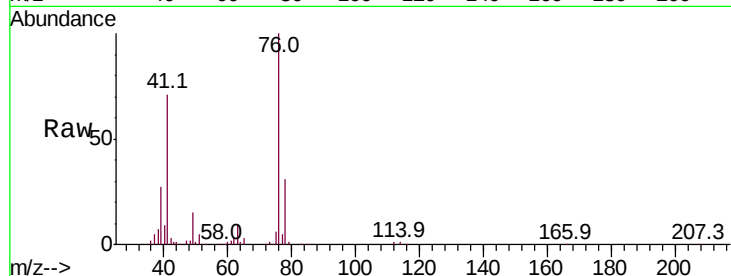
78 31.7 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 99.418 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012542.D

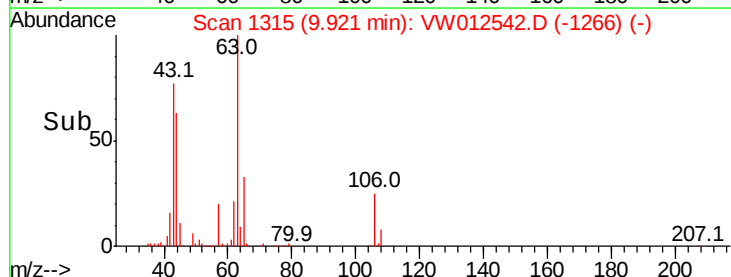
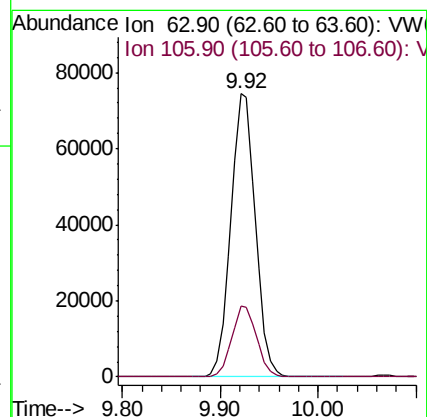
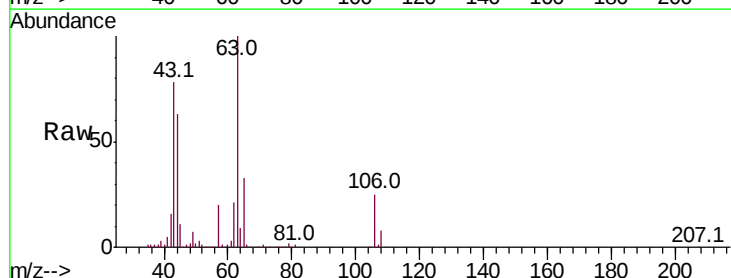
Acq: 03 Sep 2019 13:20

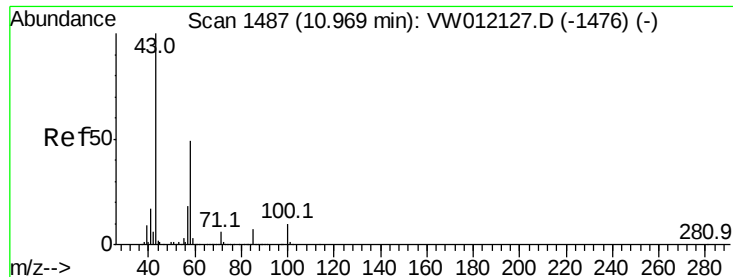
Tgt Ion: 63 Resp: 129739

Ion Ratio Lower Upper

63 100

106 25.3 19.8 29.8





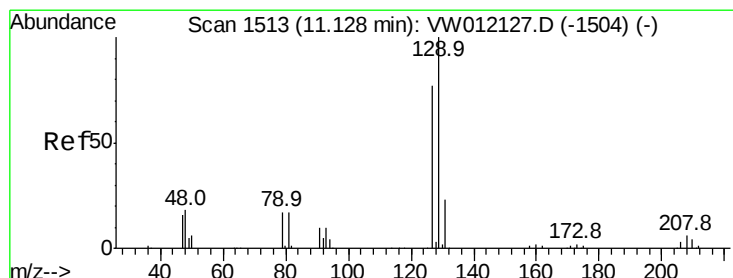
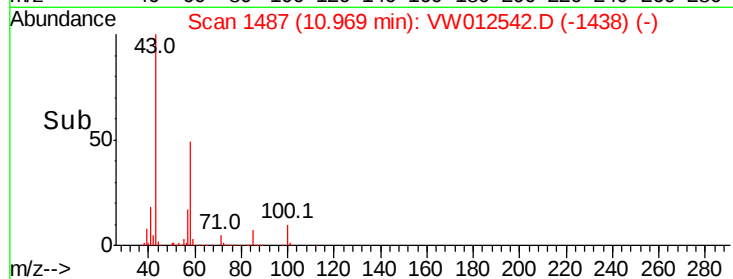
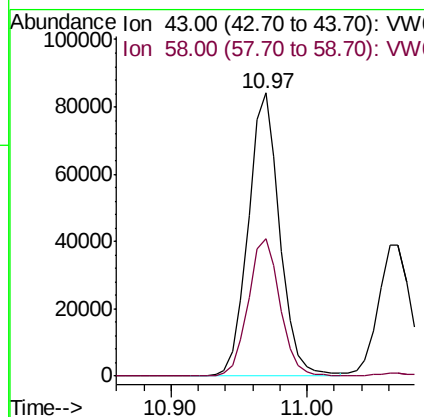
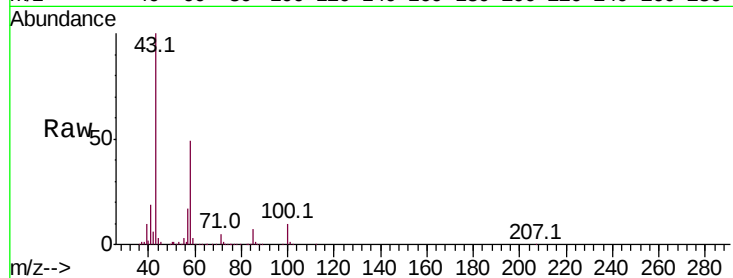
#59
2-Hexanone
Concen: 98.288 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.3	72.9

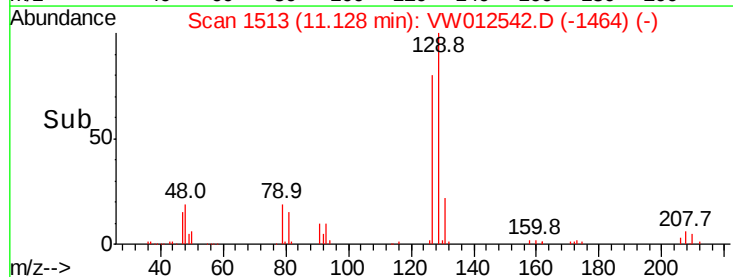
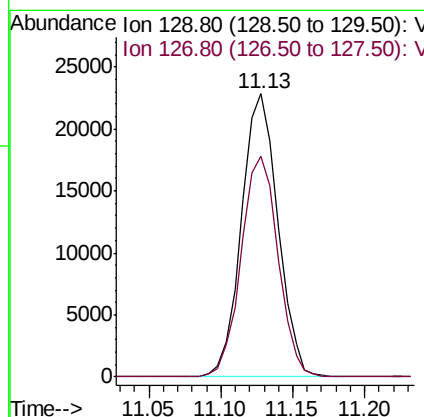
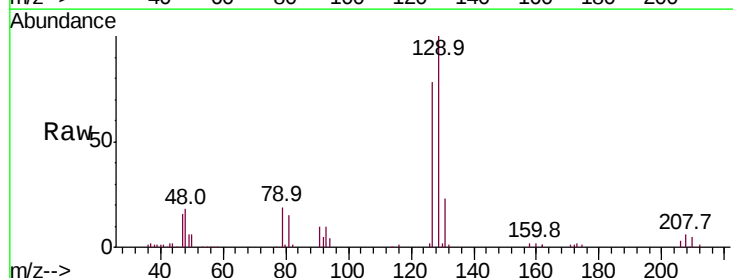
Manual Integrations
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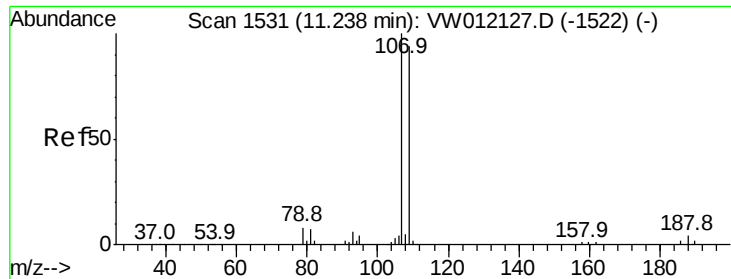
MMDadoda
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#60
Dibromochloromethane
Concen: 20.531 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.6	115.8





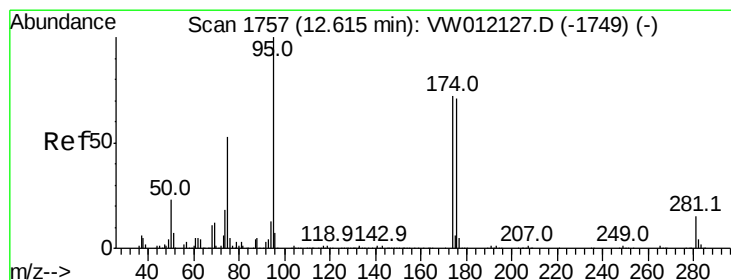
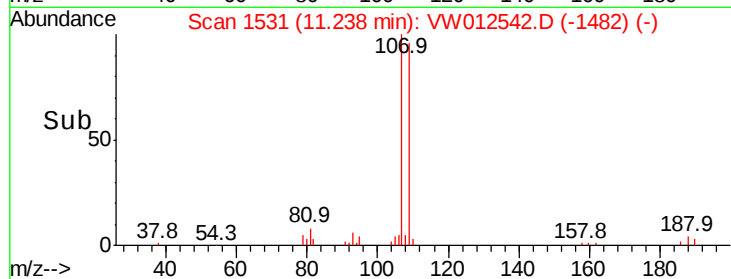
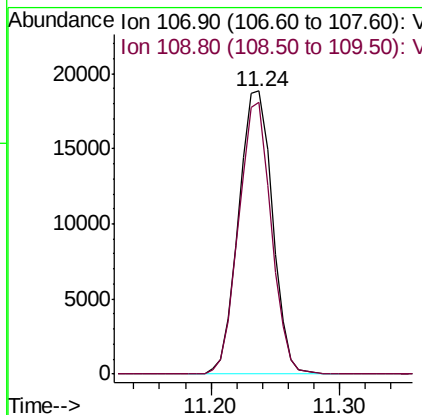
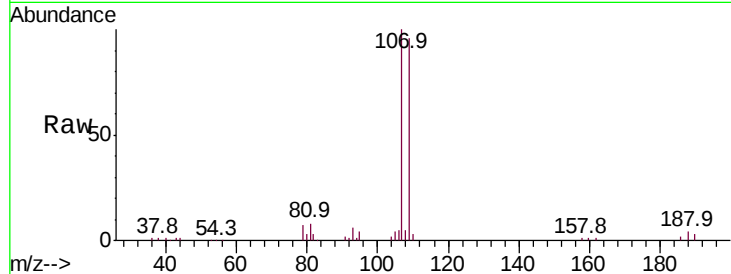
#61
1,2-Dibromoethane
Concen: 21.066 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.4	113.2

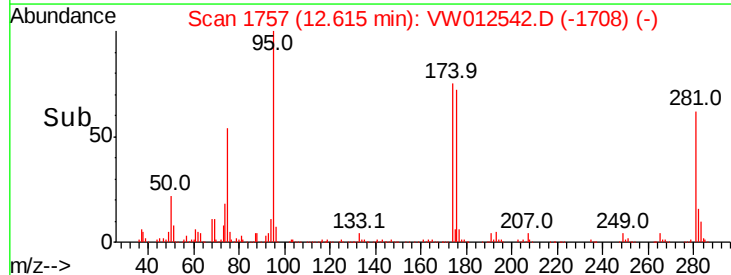
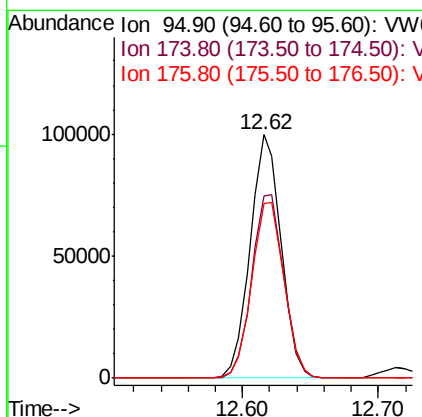
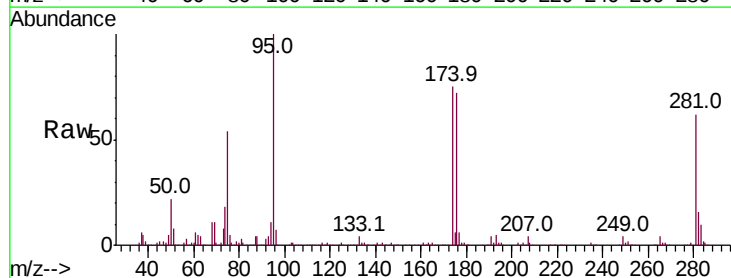
Manual Integrations
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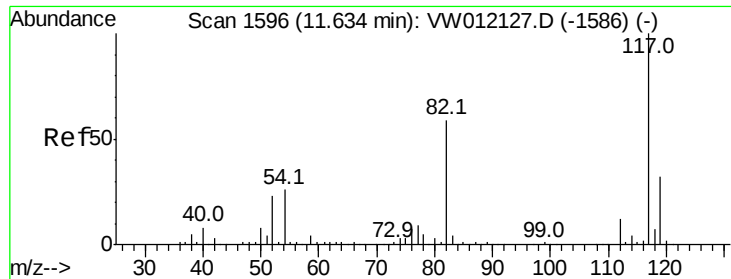
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 51.180 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	150.8
176	75.5	0.0	148.6





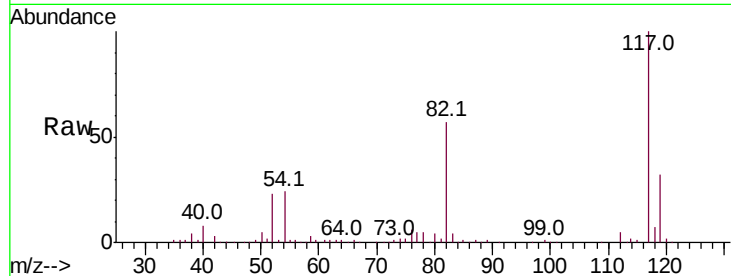
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	315805		
82	57.0		47.4	71.2
119	32.2		25.4	38.2

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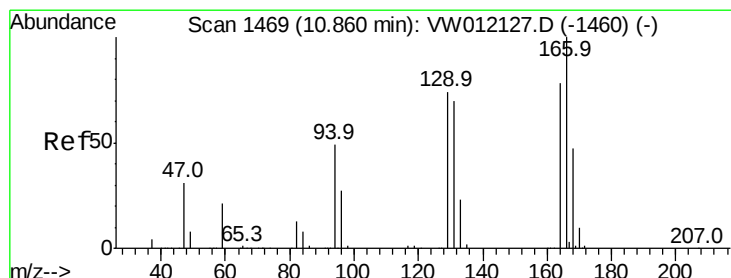
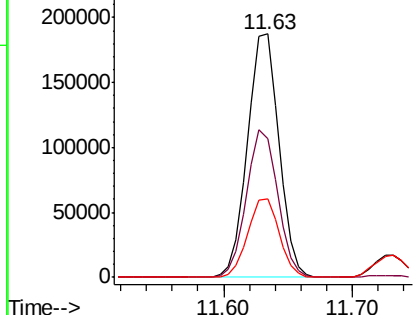
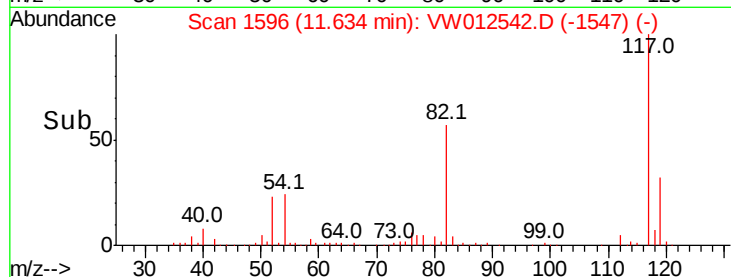


Abundance

Ion 116.90 (116.60 to 117.60): V

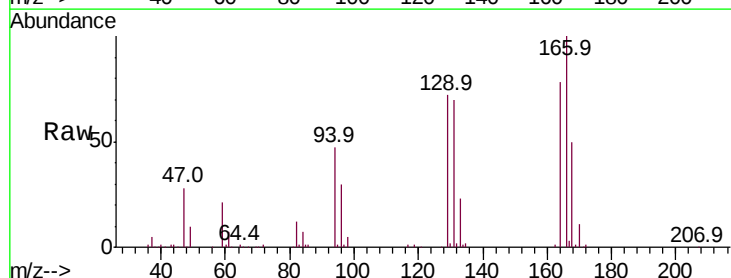
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.236 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41433		
166	127.8		102.4	153.6
129	92.0		75.8	113.6
131	89.2		71.4	107.2



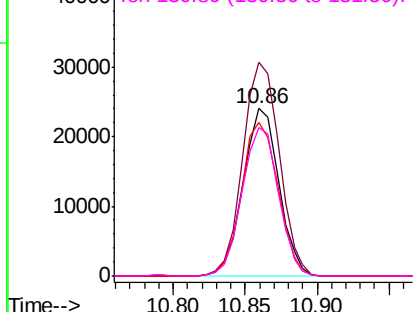
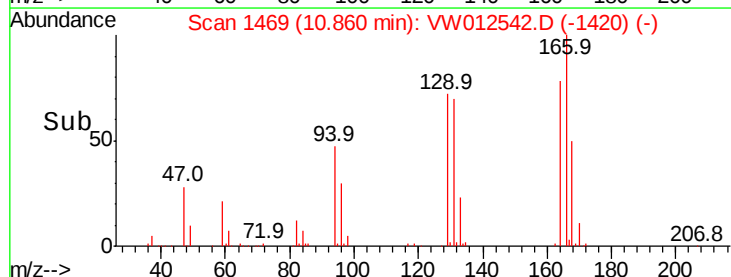
Abundance

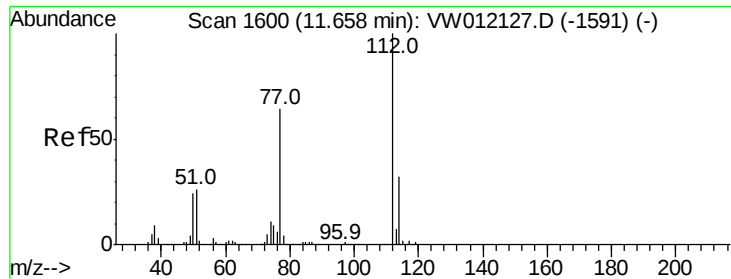
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





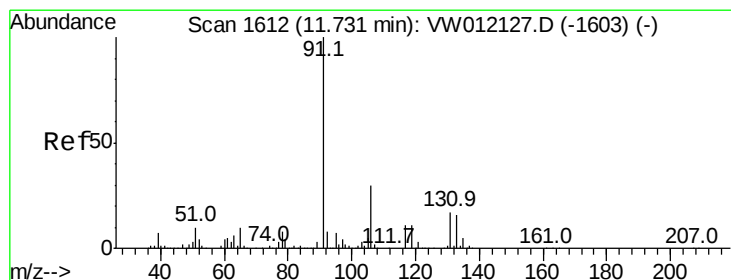
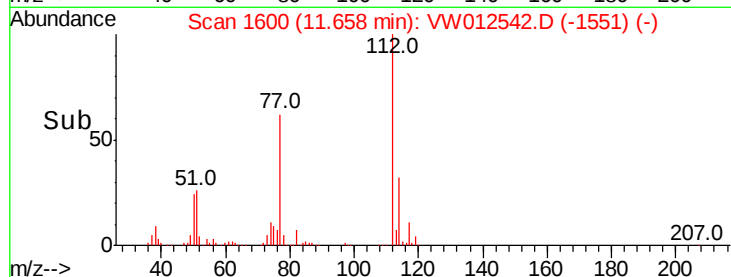
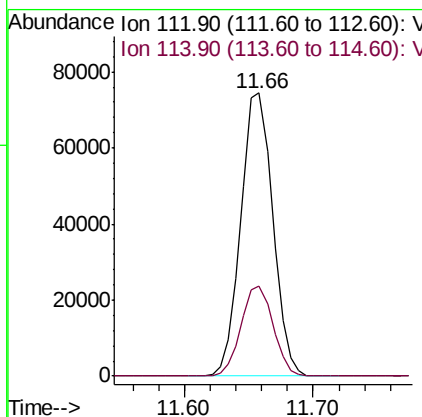
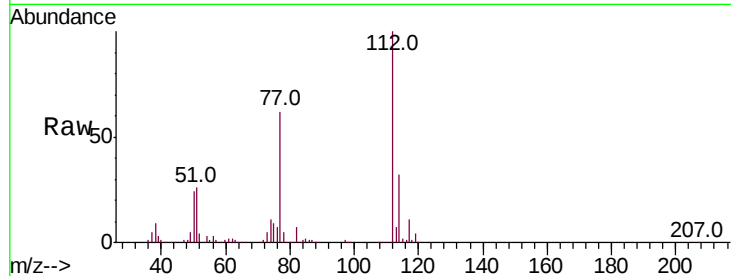
#65
Chlorobenzene
Concen: 20.581 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.6

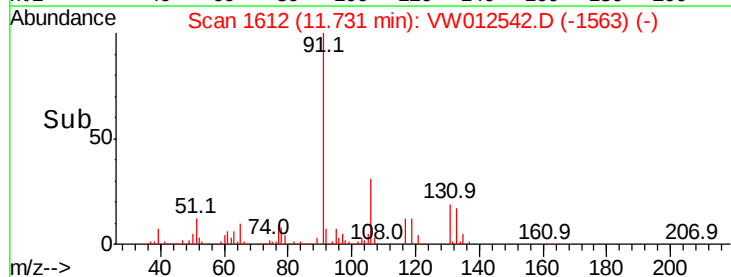
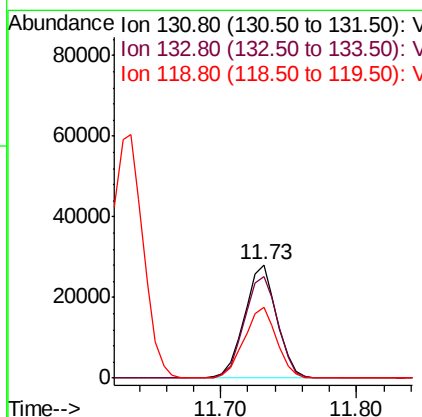
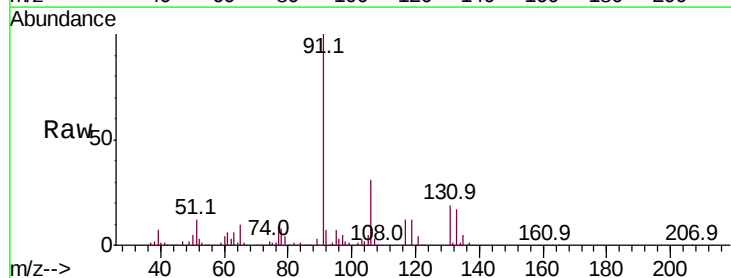
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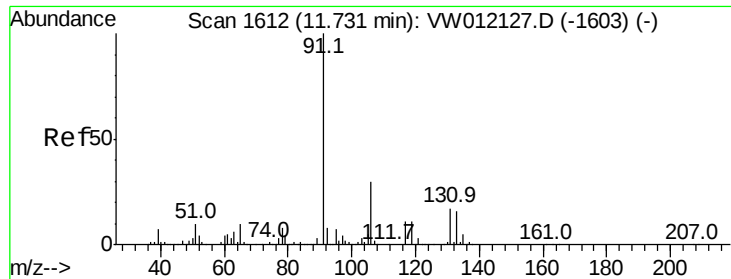
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.378 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.1	141.3
119	63.4	31.8	95.3





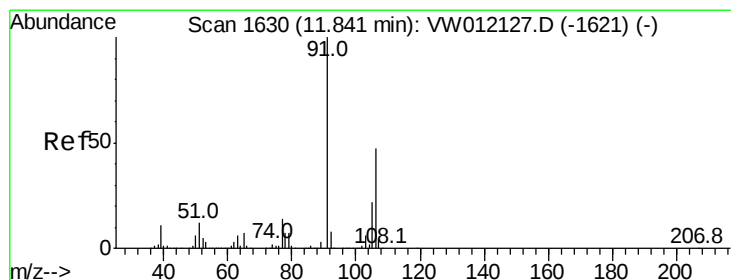
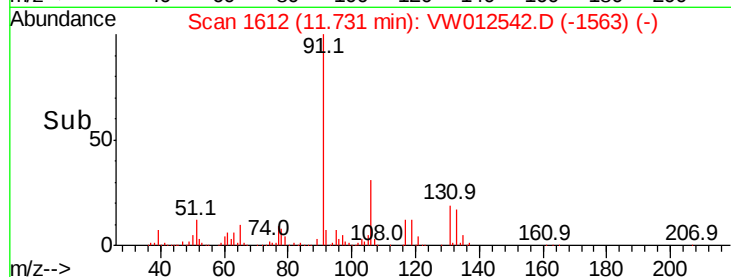
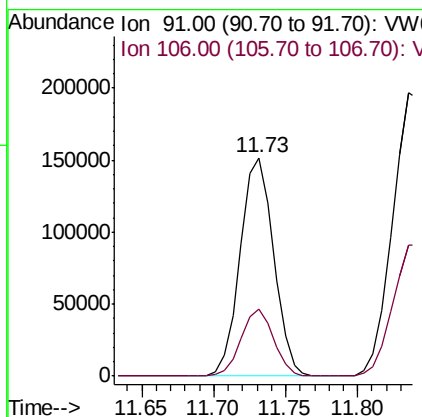
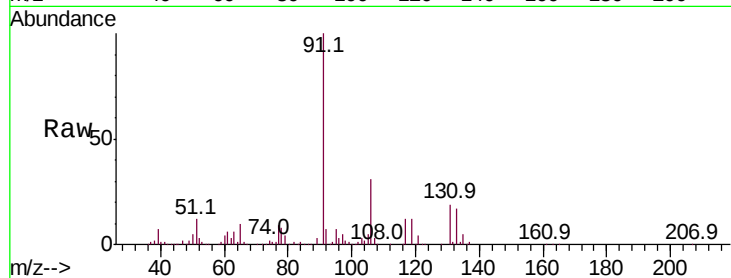
#67
Ethyl Benzene
Concen: 20.450 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS02

Tot Ion: 91 Resp: 244966
Ion Ratio Lower Upper
91 100
106 31.0 24.3 36.5

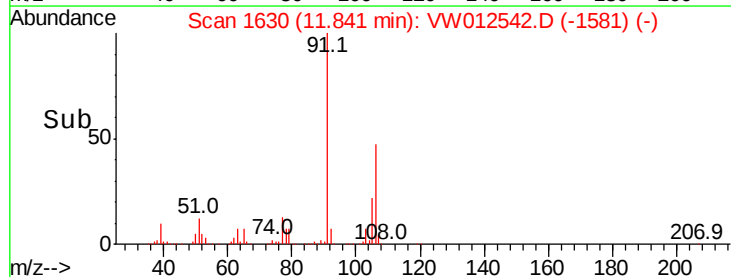
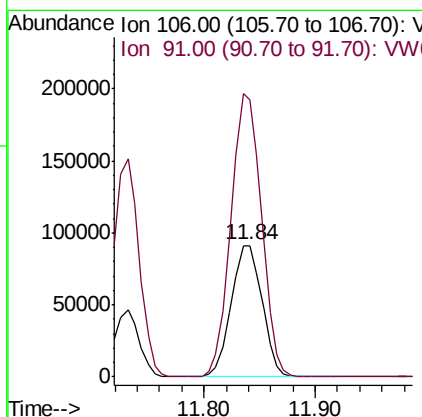
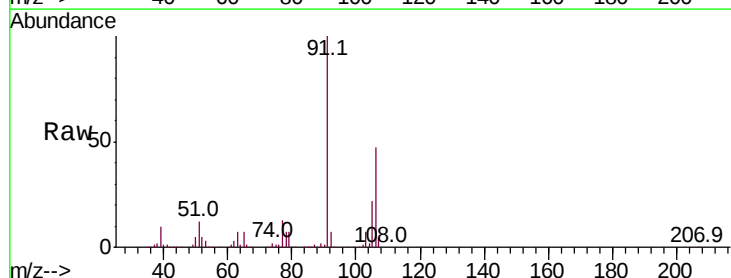
Manual Integrations
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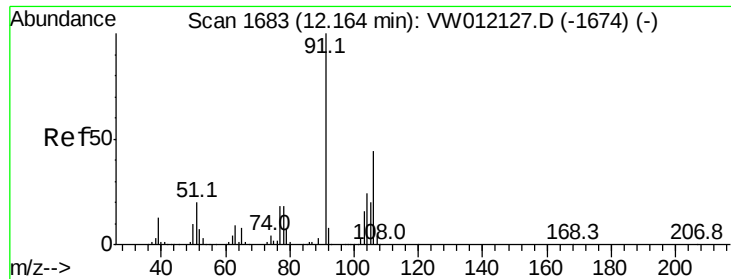
MMDadoda
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#68
m/p-Xylenes
Concen: 40.681 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion: 106 Resp: 175534
Ion Ratio Lower Upper
106 100
91 212.8 169.5 254.3





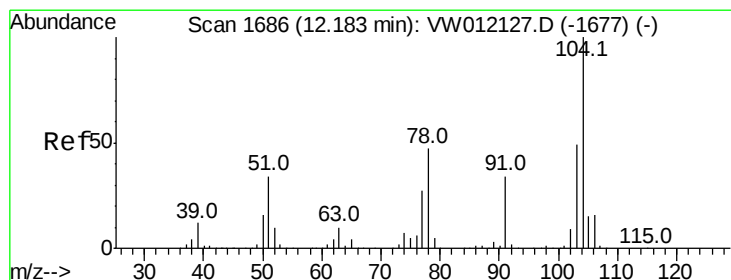
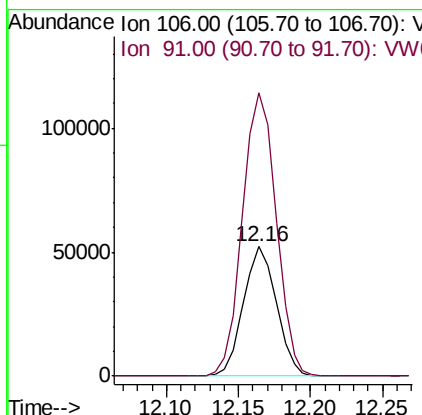
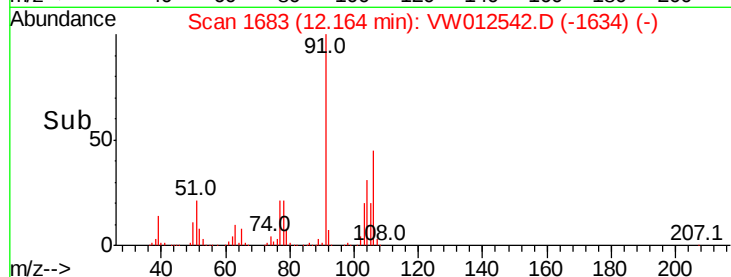
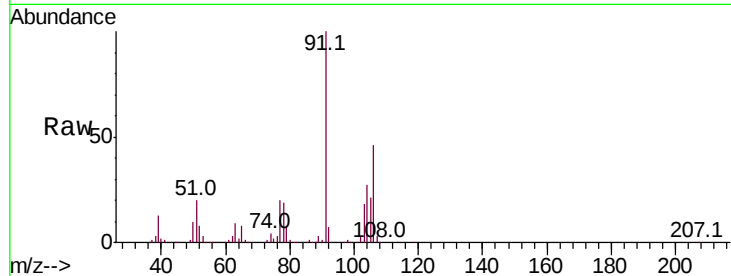
#69
o-Xylene
Concen: 20.705 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleID :
VW0903SBS02

Tot Ion:106 Resp: 82686
Ion Ratio Lower Upper
106 100
91 224.8 111.6 334.6

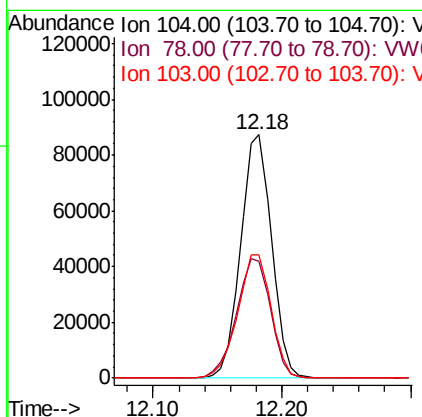
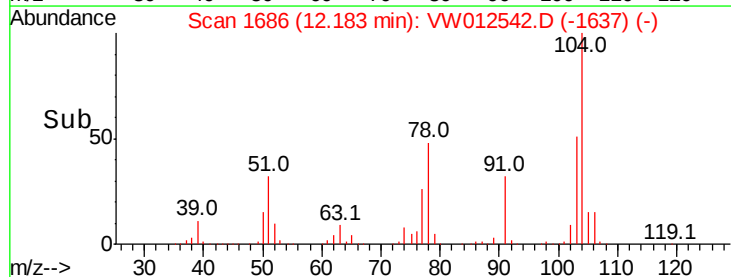
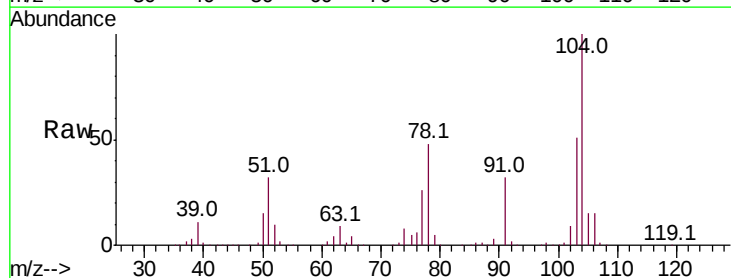
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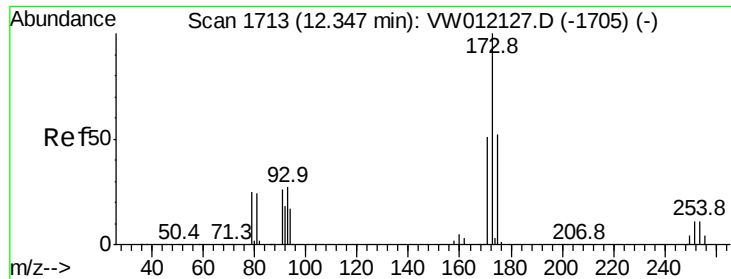
MMDadoda
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#70
Styrene
Concen: 20.959 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion:104 Resp: 144876
Ion Ratio Lower Upper
104 100
78 54.4 43.1 64.7
103 55.3 43.5 65.3





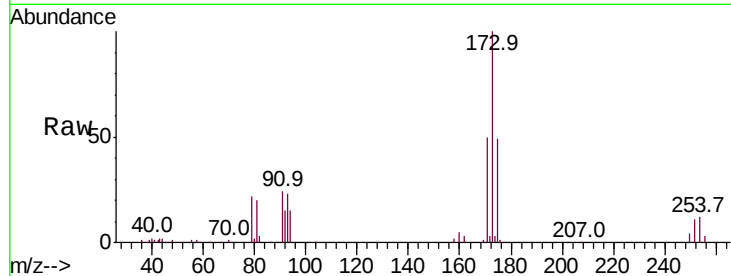
#71
Bromoform
Concen: 20.753 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS02

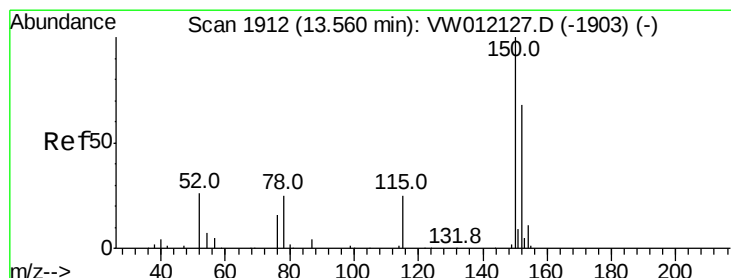
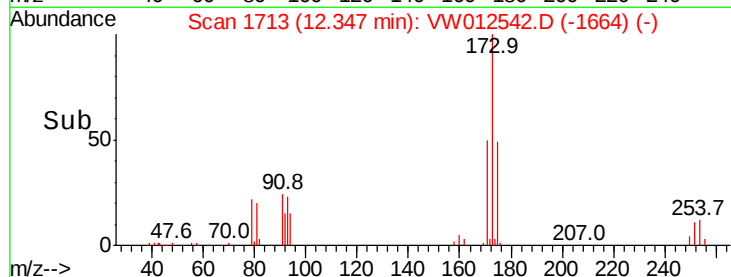
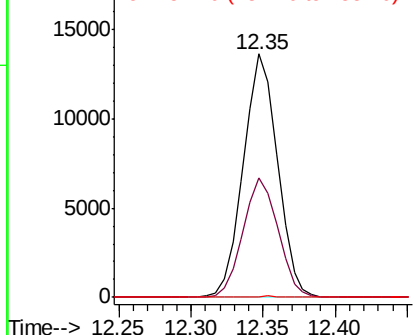
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.6	74.0
254	0.1	0.2	0.2

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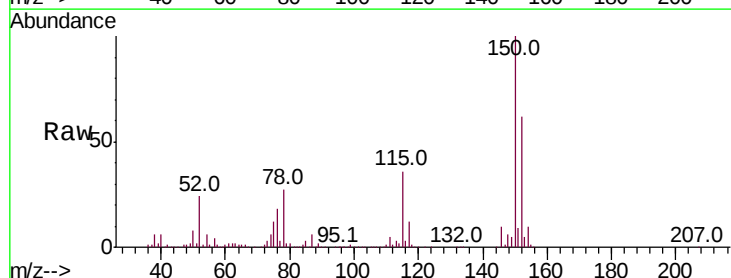


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

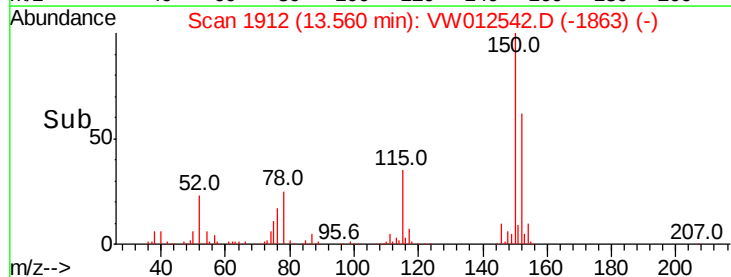
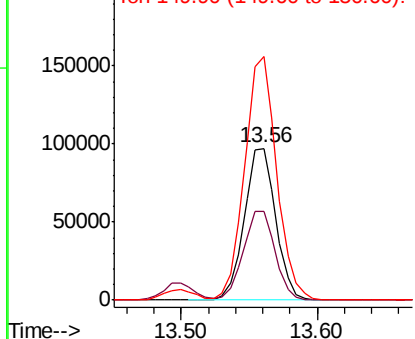


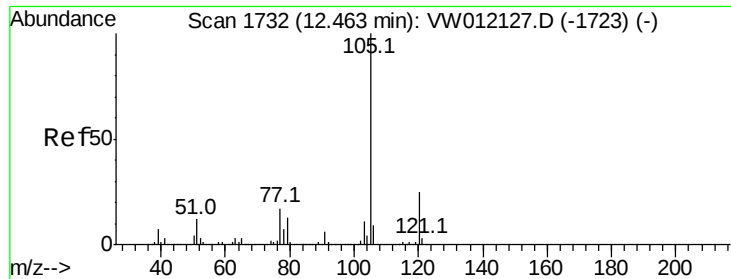
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.1	90.3
150	164.2	0.0	345.8



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





#73

Isopropylbenzene

Concen: 20.125 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS02

Tot Ion:105 Resp: 236224

Ion Ratio Lower Upper

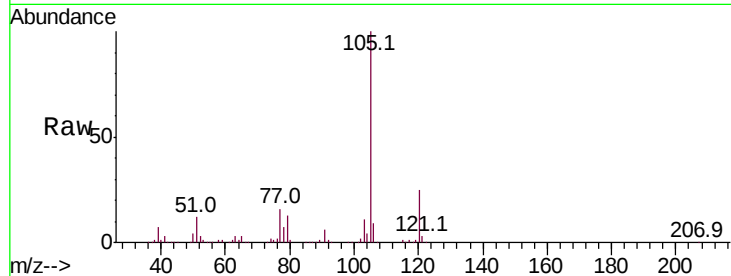
105 100

120 25.4 12.5 37.5

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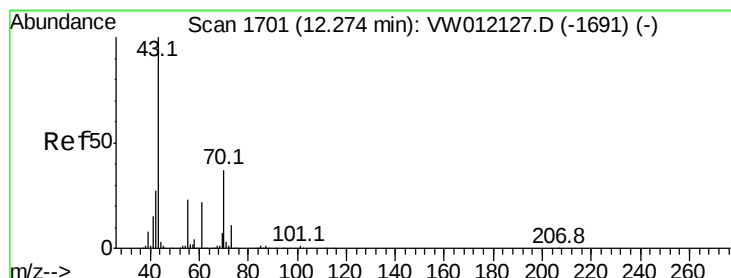
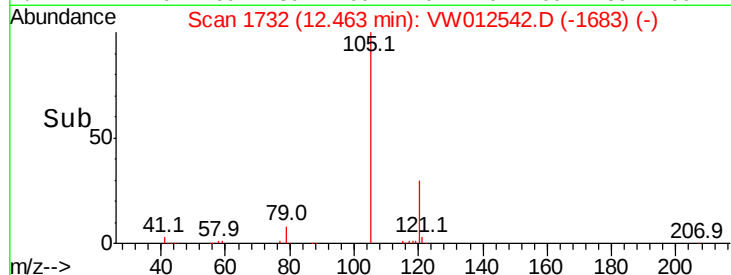
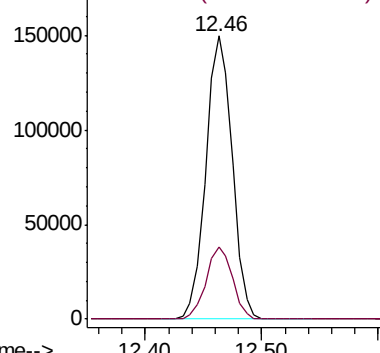
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.343 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Tgt Ion: 43 Resp: 68598

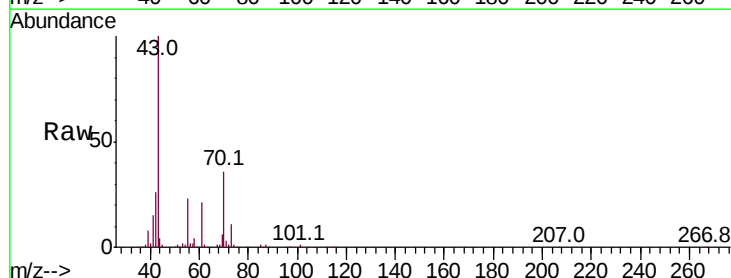
Ion Ratio Lower Upper

43 100

70 36.1 28.6 43.0

55 23.6 17.8 26.6

61 21.4 17.3 25.9

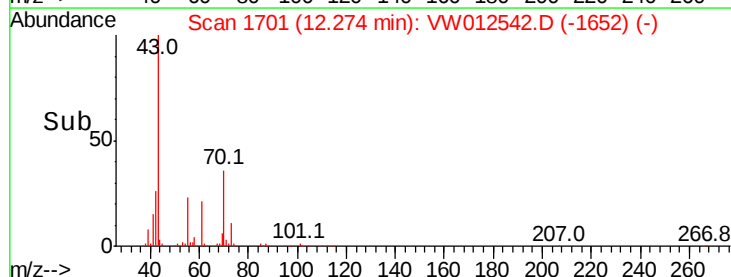
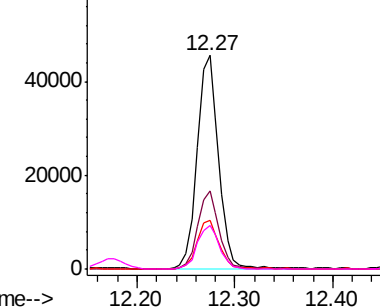


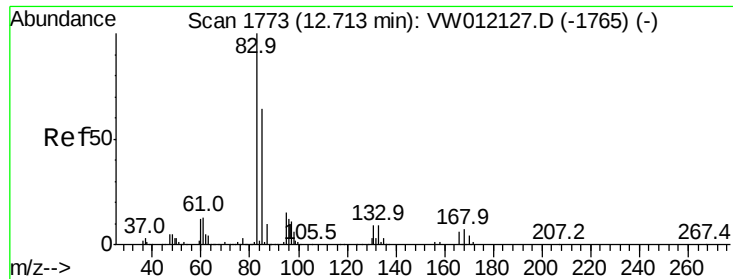
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.403 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

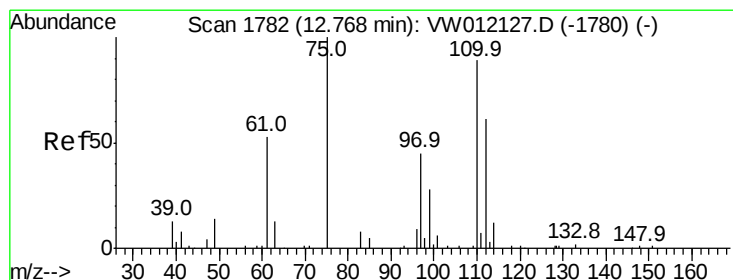
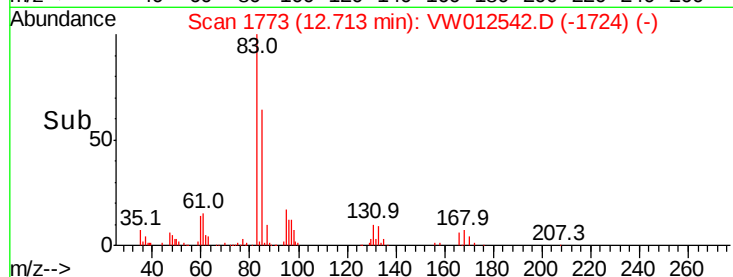
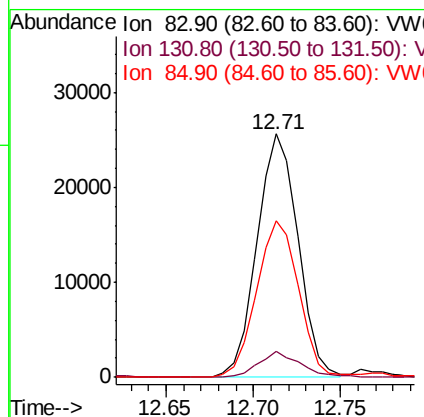
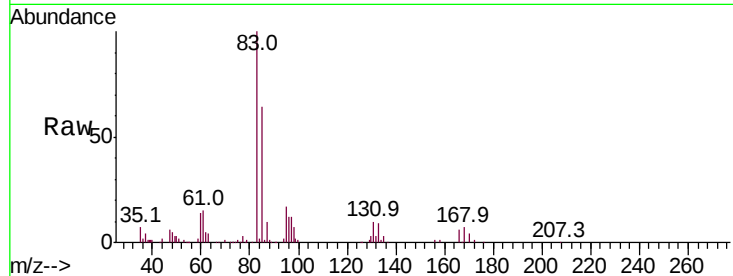
ClientSampleId :

VW0903SBSD02

Tot Ion:	83	Resp:	41753
Ion Ratio	Lower	Upper	
83	100		
131	10.7	4.9	14.7
85	66.1	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 22.745 ug/l m

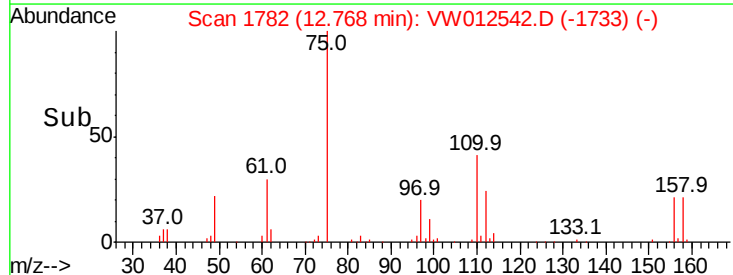
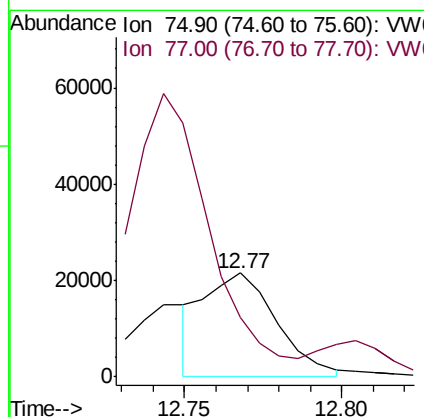
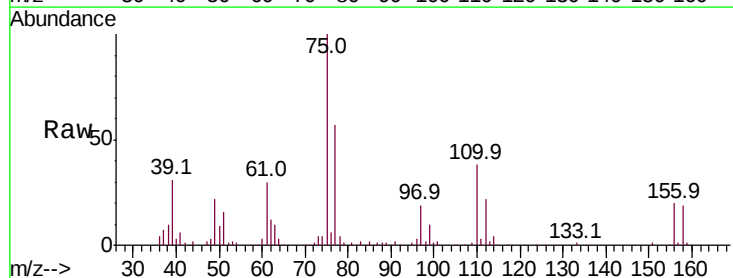
RT: 12.77 min Scan# 1782

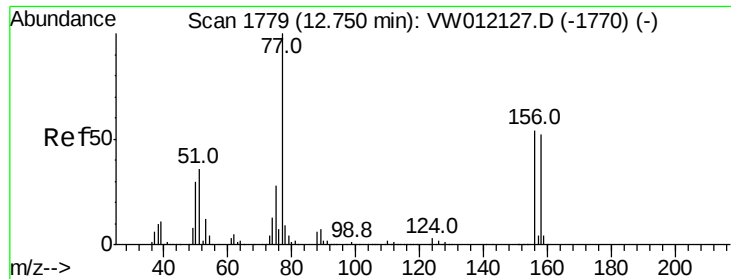
Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Tgt Ion:	75	Resp:	34701
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





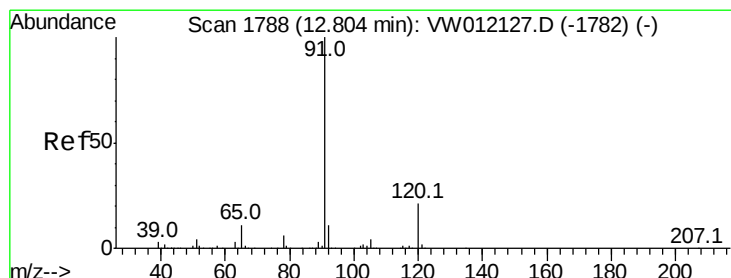
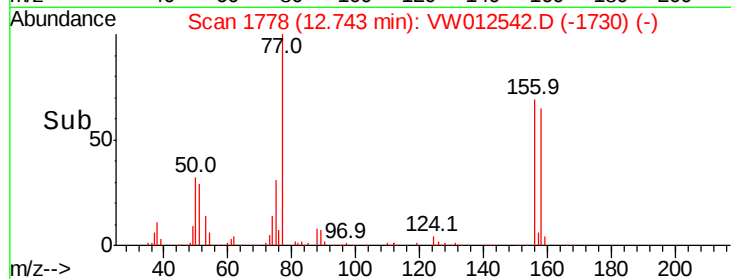
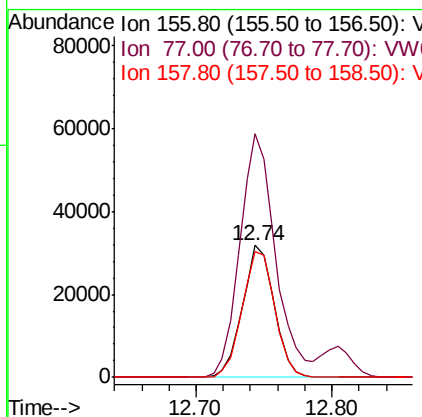
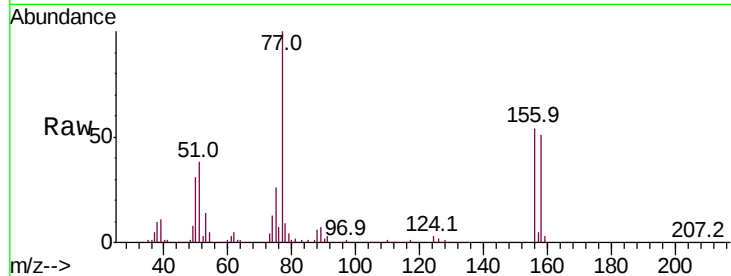
#77
Bromobenzene
Concen: 20.489 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	206.4	107.3	321.8
158	97.8	49.0	147.0

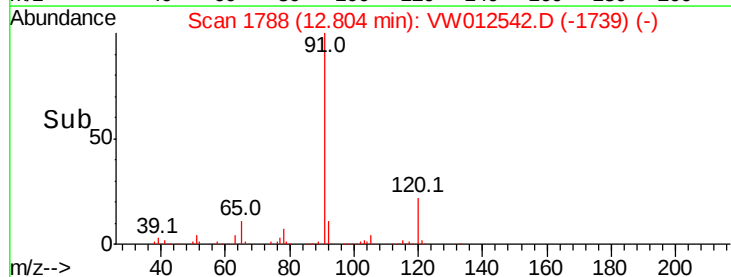
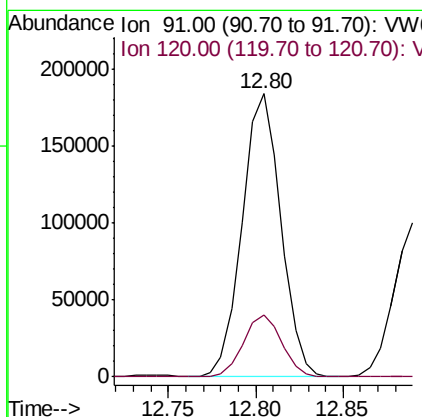
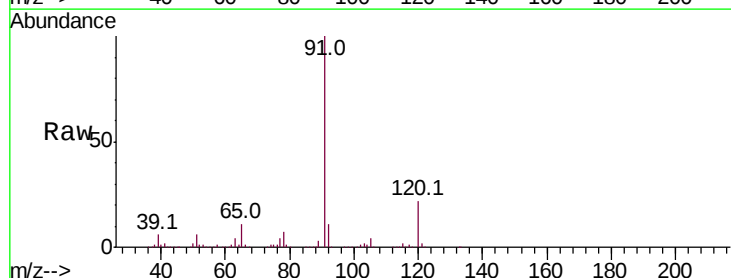
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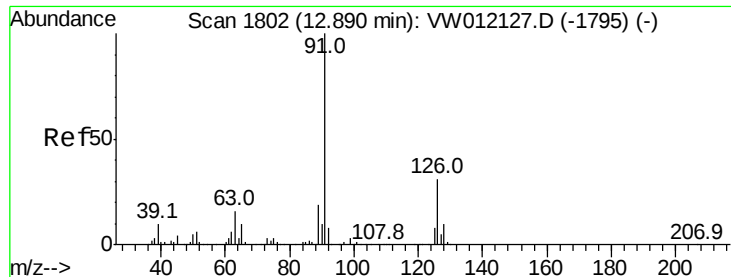
MMDadoda
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#78
n-propylbenzene
Concen: 19.776 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.5	31.6





#79

2-Chlorotoluene

Concen: 19.700 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS02

Tot Ion: 91 Resp: 160272

Ion Ratio Lower Upper

91 100

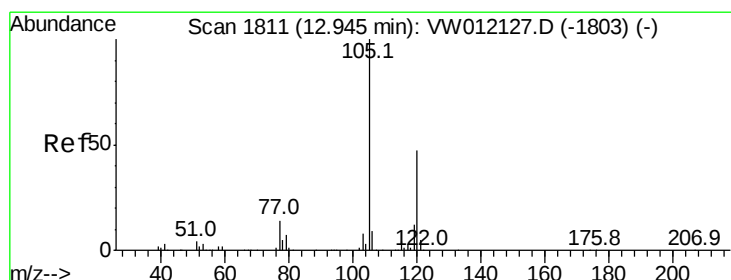
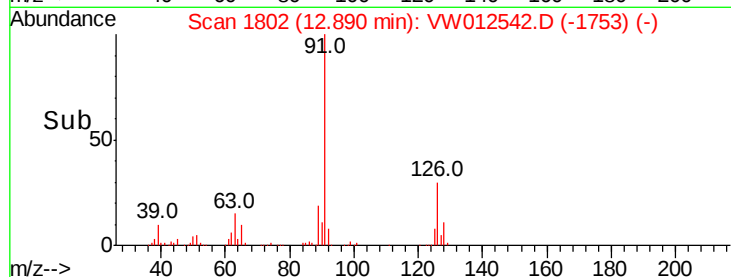
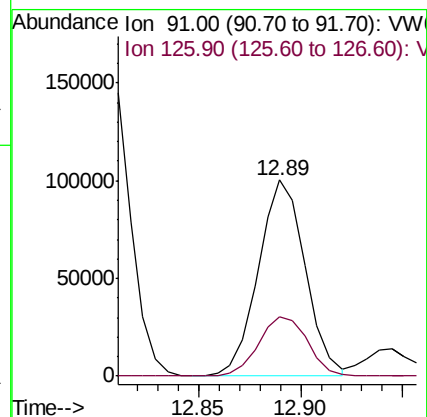
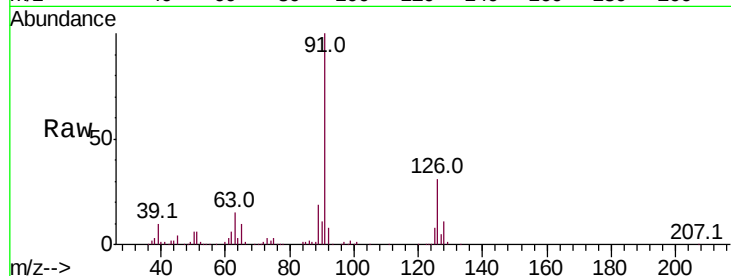
126 32.0 15.7 47.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.335 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012542.D

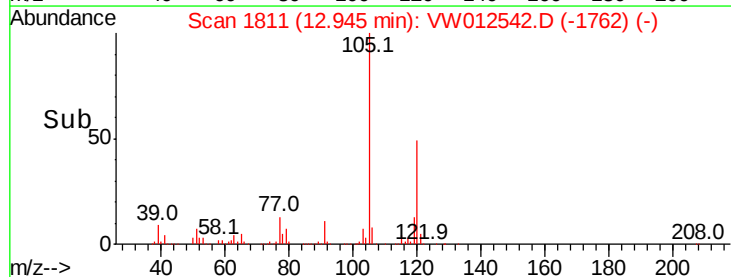
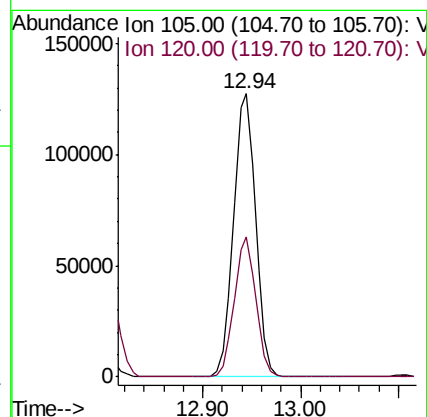
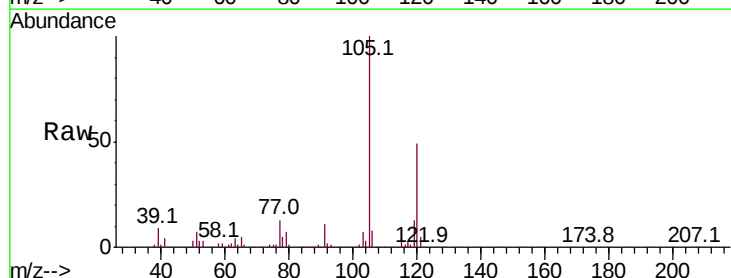
Acq: 03 Sep 2019 13:20

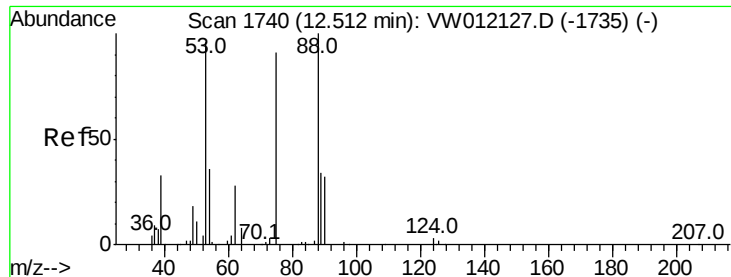
Tgt Ion:105 Resp: 199452

Ion Ratio Lower Upper

105 100

120 48.2 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.141 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

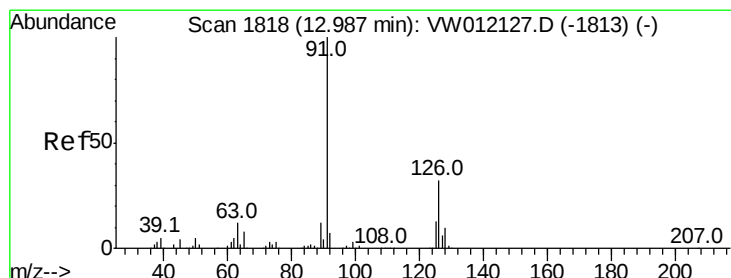
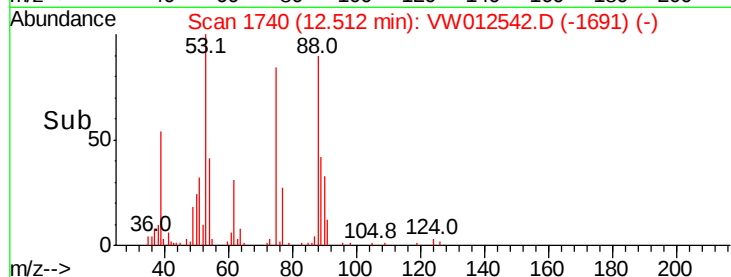
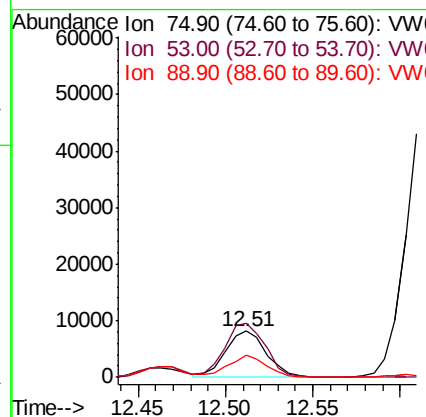
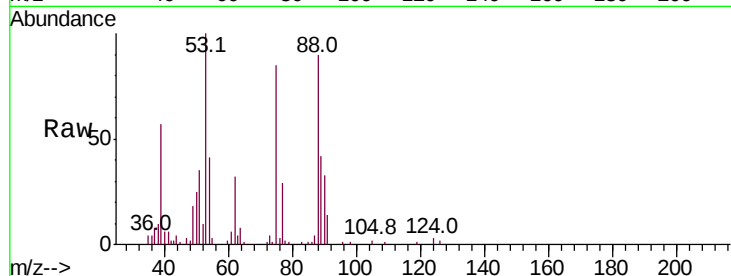
ClientSampleId :

VW0903SBS02

Tot Ion:	75	Resp:	13319
Ion	Ratio	Lower	Upper
75	100		
53	115.1	89.4	134.0
89	45.9	34.5	51.7

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#82

4-Chlorotoluene

Concen: 20.113 ug/l

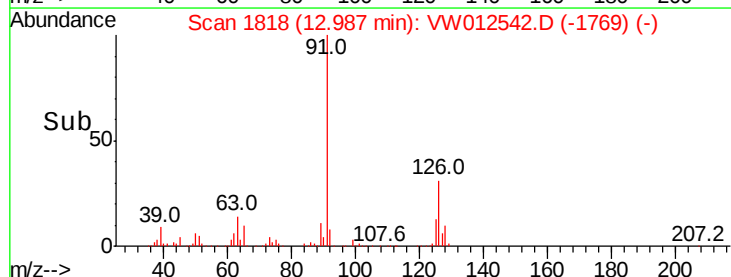
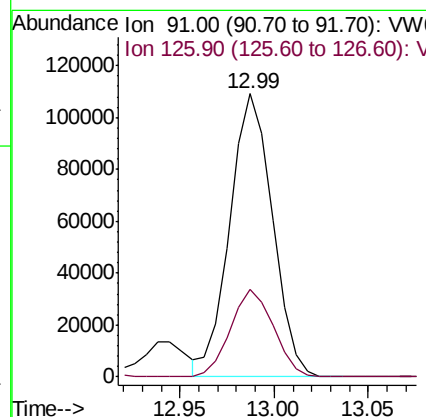
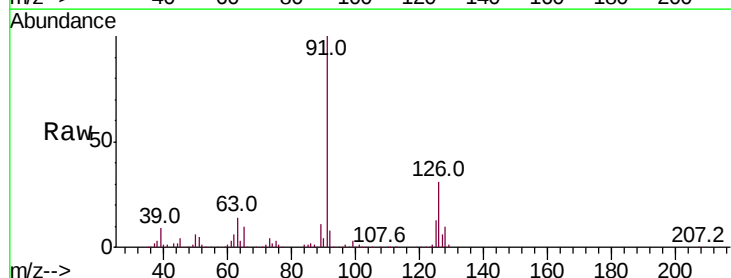
RT: 12.99 min Scan# 1818

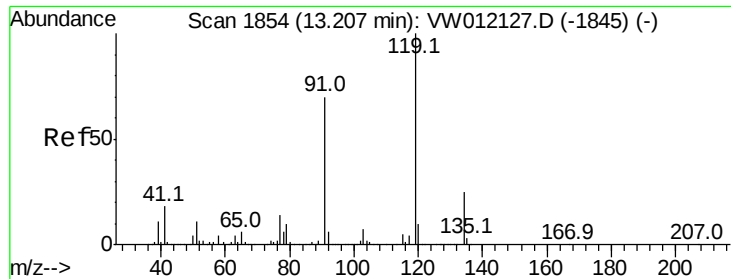
Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Tgt Ion:	91	Resp:	171329
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8





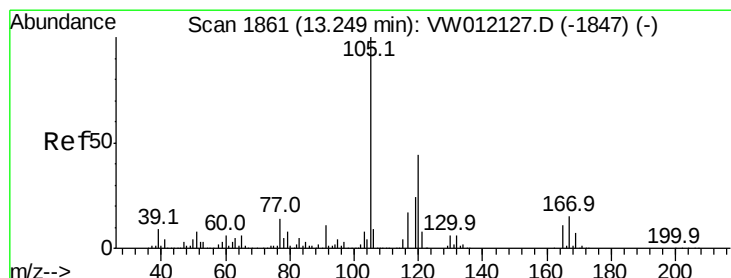
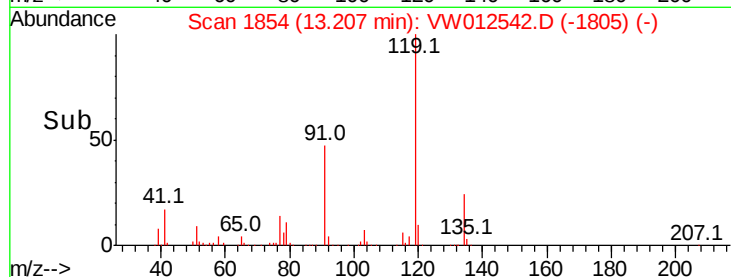
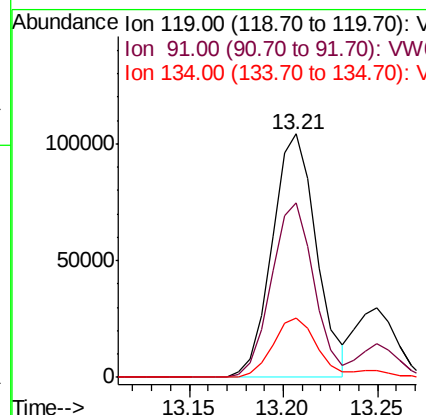
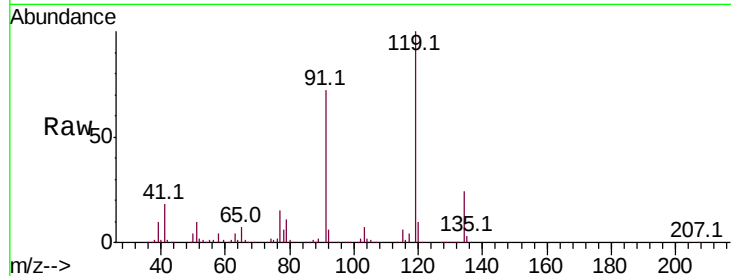
#83
tert-Butylbenzene
Concen: 20.423 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.8	104.3
134	24.4	13.3	39.8

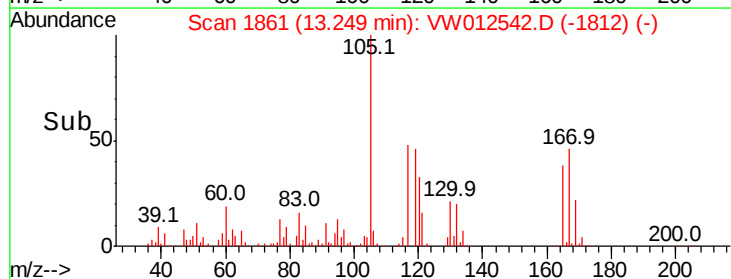
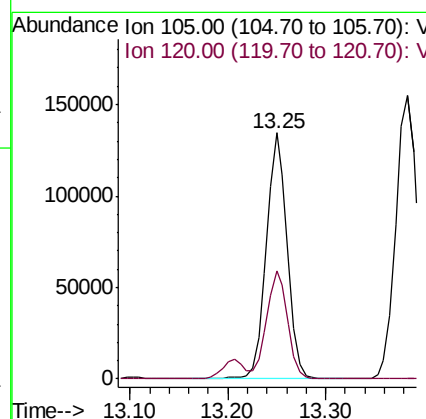
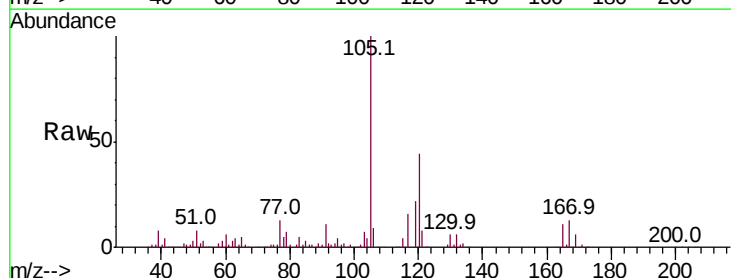
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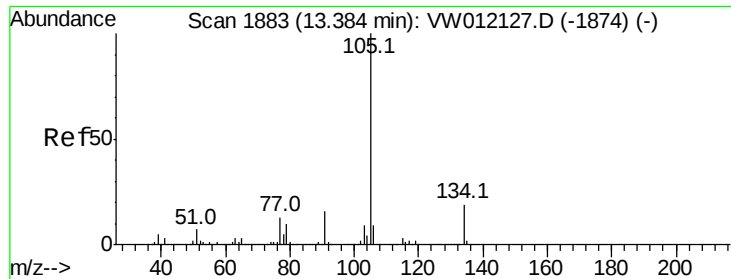
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#84
1,2,4-Trimethylbenzene
Concen: 20.229 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.7





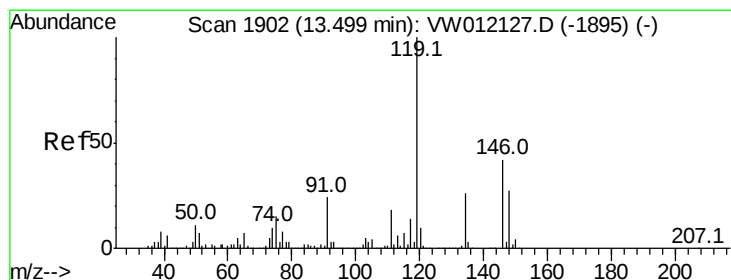
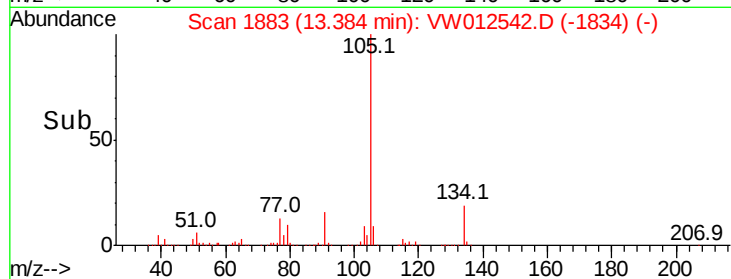
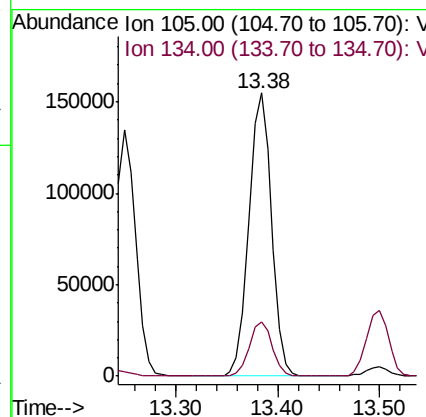
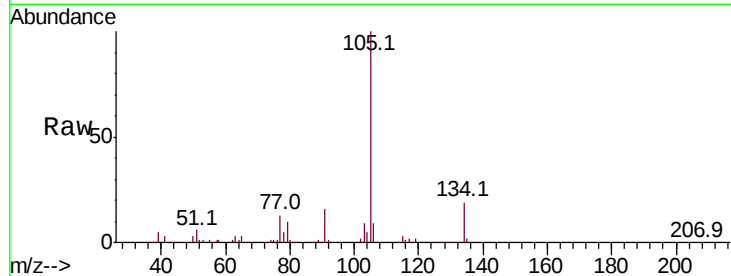
#85
 sec-Butylbenzene
 Concen: 20.080 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	239014		
134	19.3	9.8	29.4	

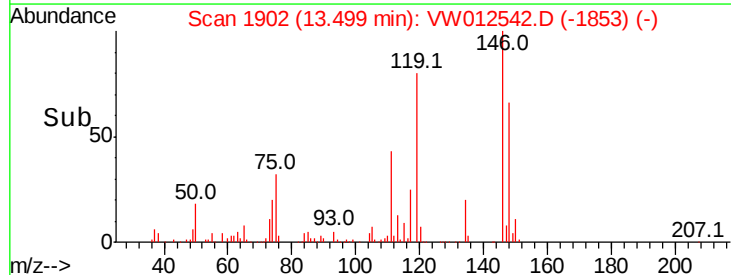
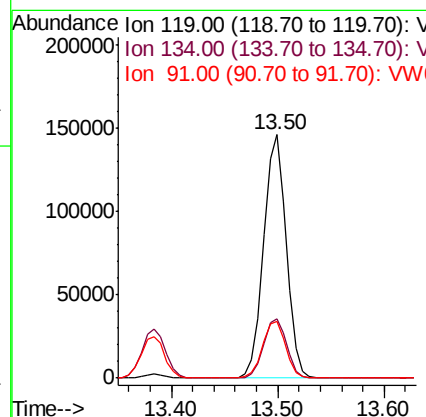
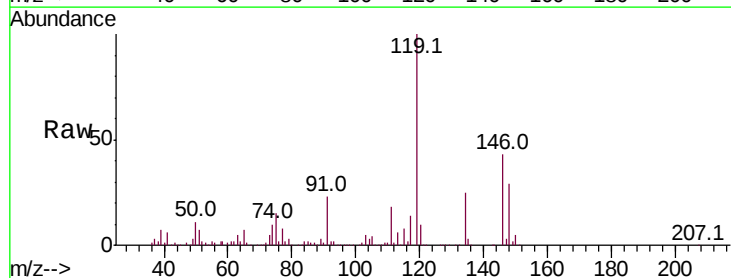
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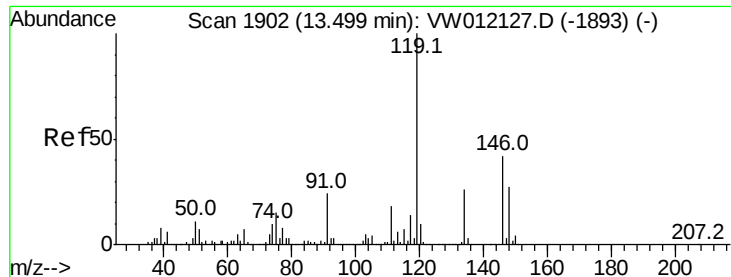
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#86
 p-Isopropyltoluene
 Concen: 20.566 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	218620		
134	24.8	12.8	38.3	
91	23.9	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 20.384 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Instrument :

MSVOA_W

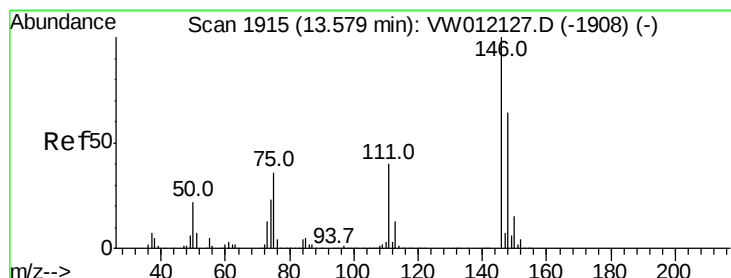
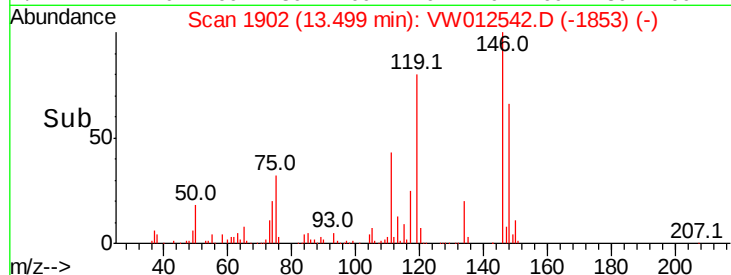
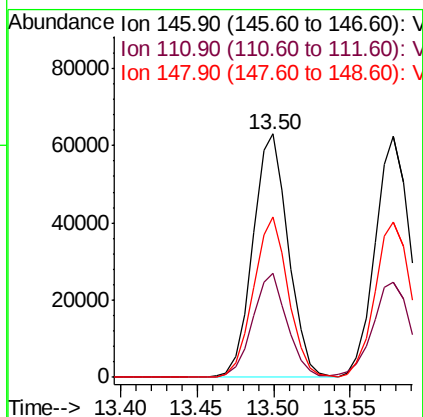
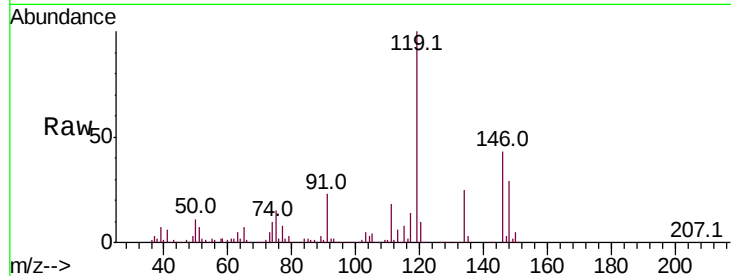
ClientSampleId :

VW0903SBS02

Tot Ion:	146	Resp:	101243
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.9	62.7
148	64.9	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 20.161 ug/l

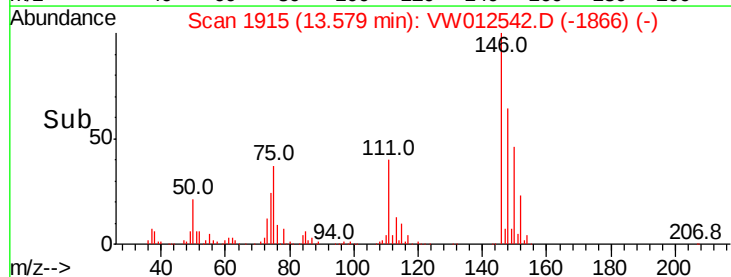
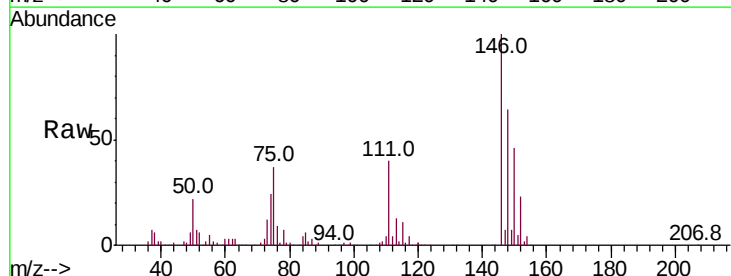
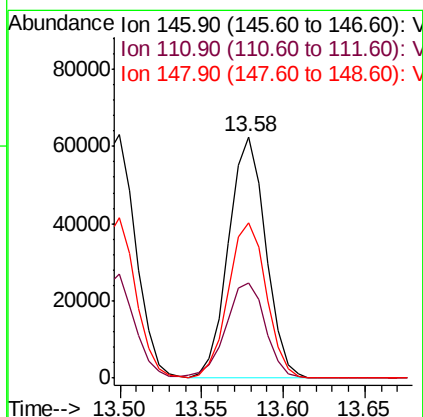
RT: 13.58 min Scan# 1915

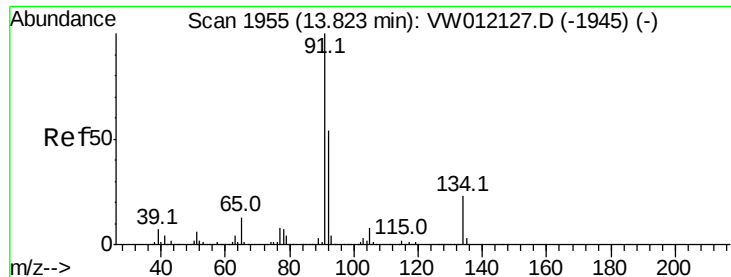
Delta R.T. -0.00 min

Lab File: VW012542.D

Acq: 03 Sep 2019 13:20

Tgt Ion:	146	Resp:	99427
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.0	60.0
148	65.7	32.1	96.3





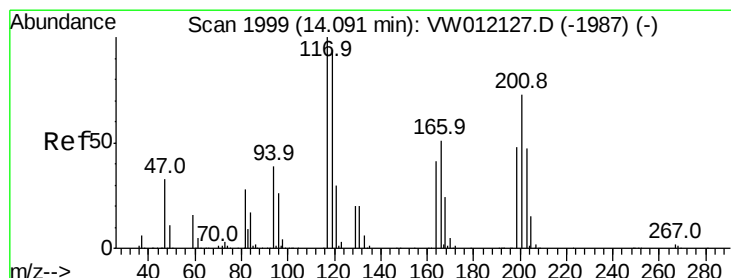
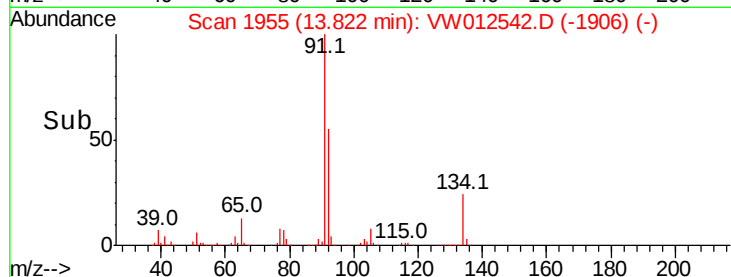
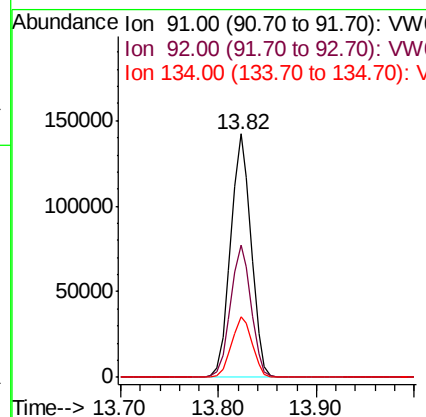
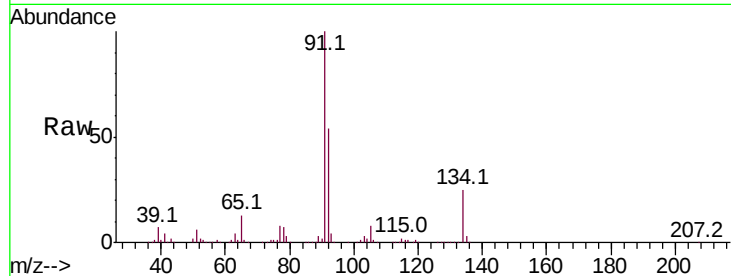
#89
n-Butylbenzene
Concen: 19.603 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	207229		
92	54.4		27.1	81.2
134	25.1		12.2	36.4

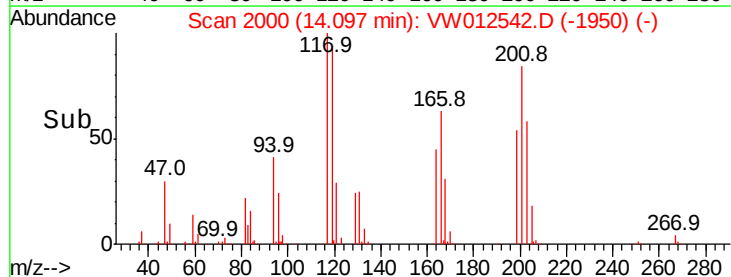
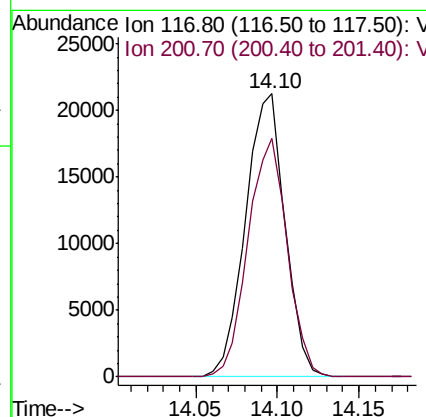
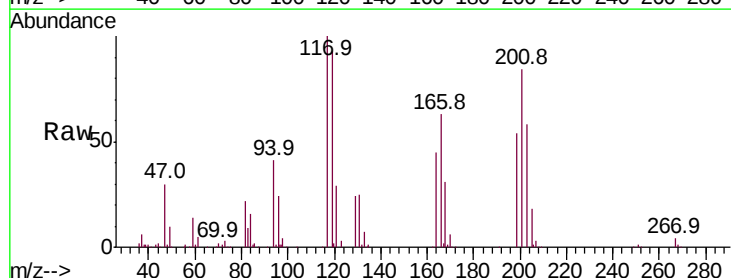
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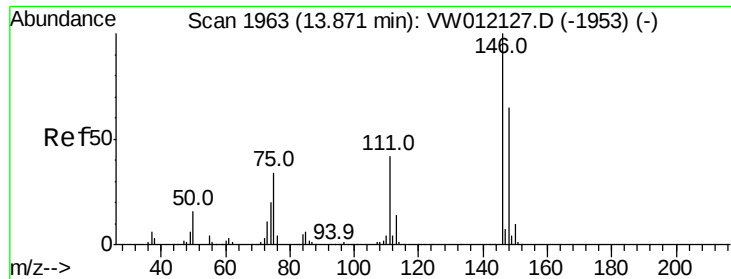
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#90
Hexachloroethane
Concen: 19.228 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35861		
201	83.6		38.6	115.7





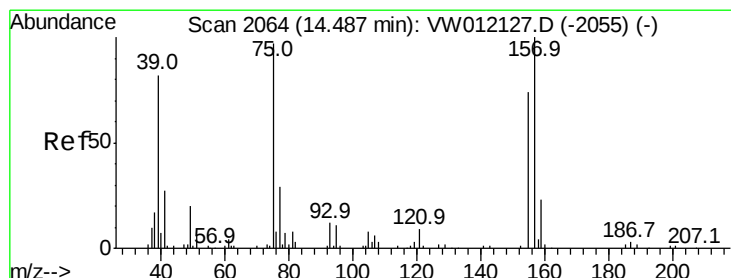
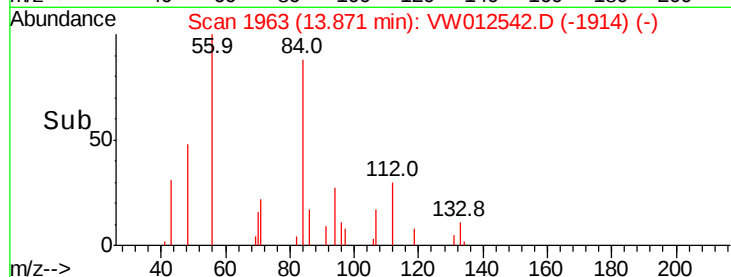
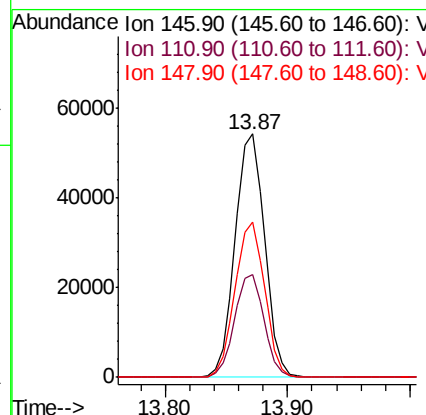
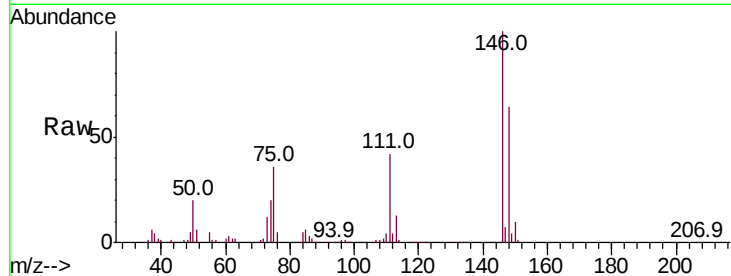
#91
 1,2-Dichlorobenzene
 Concen: 20.745 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.2	63.6
148	64.1	32.5	97.4

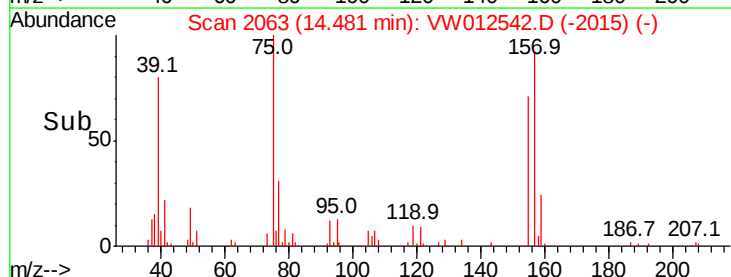
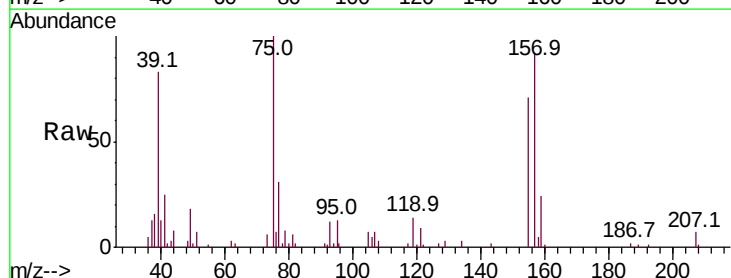
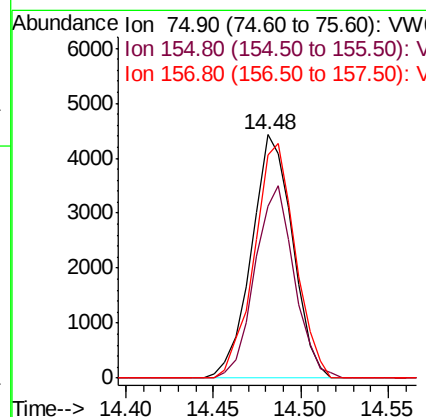
Manual Integrations
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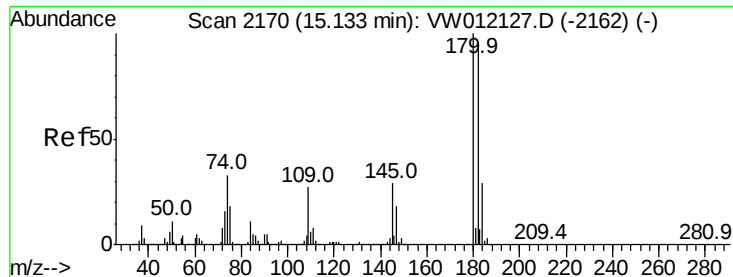
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.043 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.6	37.5	112.3
157	96.4	50.5	151.5





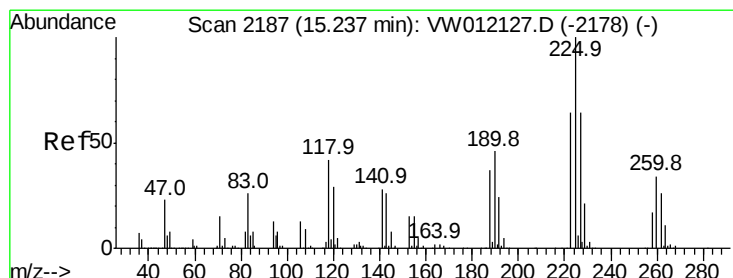
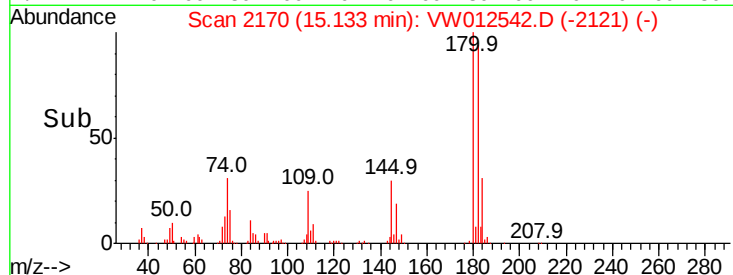
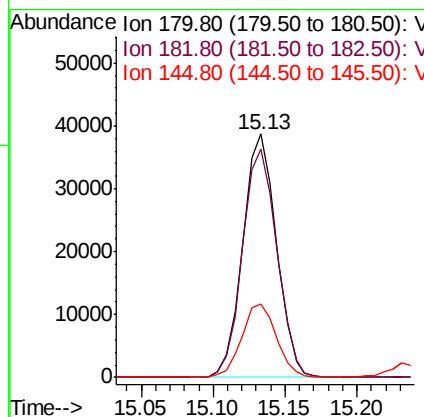
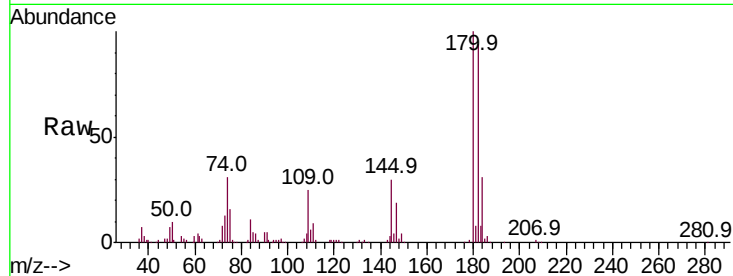
#93
 1,2,4-Trichlorobenzene
 Concen: 20.798 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.3	47.8	143.4	
145	31.1	15.0	45.1	

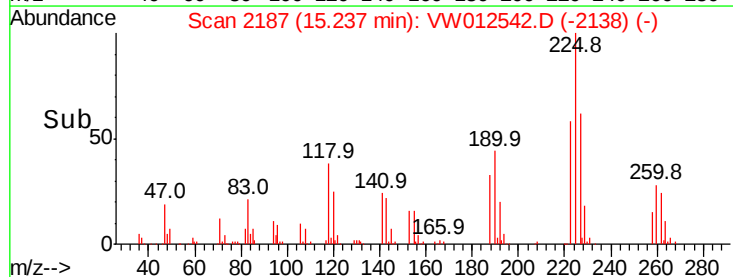
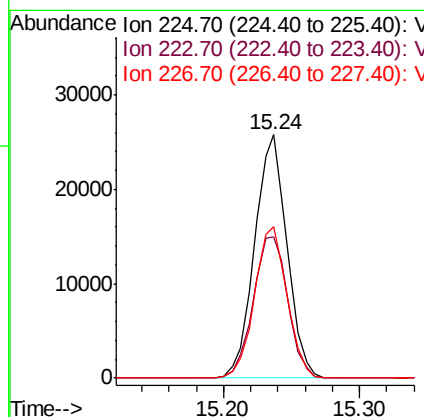
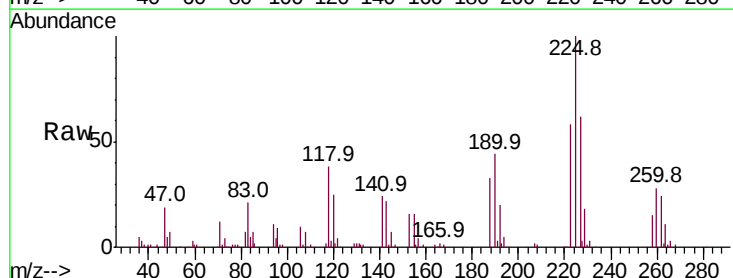
Manual Integrations
 APPROVED

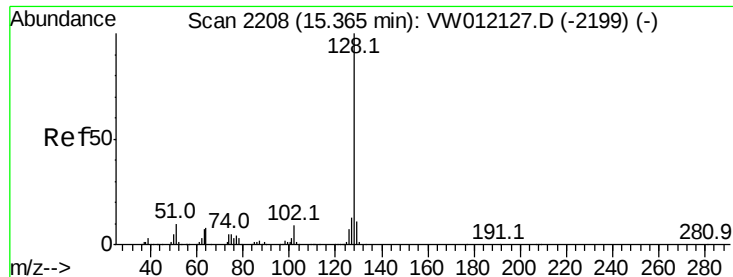
MMDadoda
 9/5/2019 3:54:23 PM



#94
 Hexachlorobutadiene
 Concen: 21.600 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012542.D
 Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	32.3	96.8	
227	62.5	32.9	98.6	





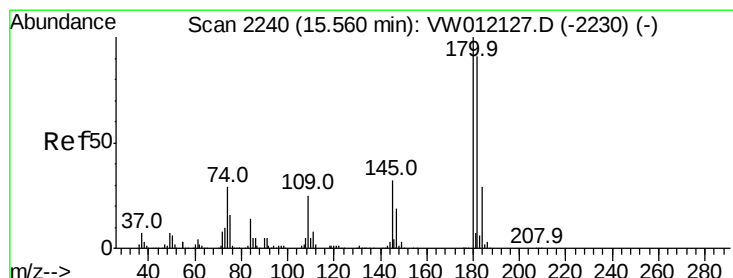
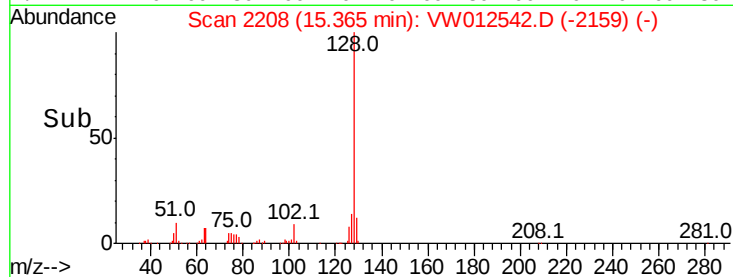
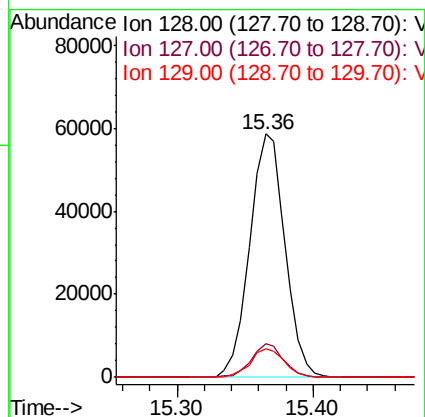
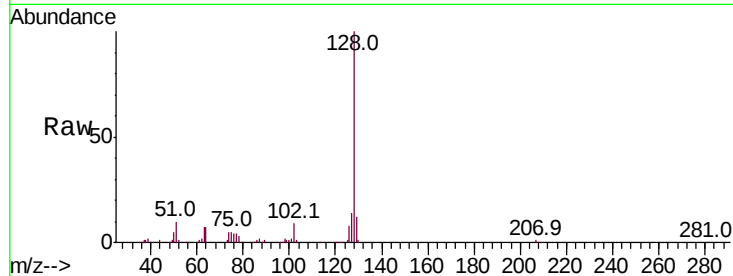
#95
Naphthalene
Concen: 20.835 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	106806		
127	12.8		10.7	16.1
129	11.2		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:54:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.790 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012542.D
Acq: 03 Sep 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	54617		
182	95.5		47.1	141.3
145	31.9		16.2	48.5

