

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011533.D
 Acq On : 26 Jul 2019 23:34
 Operator : SY/VA
 Sample : VW0727SBS02
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS02

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:19:26 AM

Quant Time: Jul 27 06:49:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	216112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	330345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132349	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
35) Dibromofluoromethane	7.88	113	103944	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.32	98	418822	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.62	95	152511	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25883	21.490	ug/l	95
3) Chloromethane	2.21	50	44070	21.101	ug/l	98
4) Vinyl Chloride	2.36	62	51687	20.556	ug/l	100
5) Bromomethane	2.76	94	25119	18.048	ug/l	97
6) Chloroethane	2.90	64	26947	18.762	ug/l	99
7) Trichlorofluoromethane	3.25	101	19213	17.098	ug/l	93
8) Diethyl Ether	3.68	74	27897	21.896	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41945	19.677	ug/l	99
10) Methyl Iodide	4.28	142	62774	20.838	ug/l	100
11) Tert butyl alcohol	5.18	59	18678	90.620	ug/l #	90
12) 1,1-Dichloroethene	4.04	96	44697	19.859	ug/l	94
13) Acrolein	3.89	56	17305	97.186	ug/l	95
14) Allyl chloride	4.66	41	95963	20.046	ug/l	99
15) Acrylonitrile	5.37	53	71798	112.888	ug/l	97
16) Acetone	4.12	43	64255	81.399	ug/l	94
17) Carbon Disulfide	4.38	76	133235	18.914	ug/l	99
18) Methyl Acetate	4.67	43	43854	24.730	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	79047	22.132	ug/l	96
20) Methylene Chloride	4.91	84	56121	20.614	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	51674	21.295	ug/l	92
22) Diisopropyl ether	6.31	45	196778	21.803	ug/l	99
23) Vinyl Acetate	6.25	43	597613	105.378	ug/l	99
24) 1,1-Dichloroethane	6.21	63	103688	21.451	ug/l	98
25) 2-Butanone	7.17	43	107636	104.205	ug/l	100
26) 2,2-Dichloropropane	7.17	77	56305	18.941	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	55963	20.955	ug/l	96
28) Bromochloromethane	7.51	49	51119	23.826	ug/l	98
29) Tetrahydrofuran	7.53	42	67488	114.303	ug/l	99
30) Chloroform	7.67	83	94302	21.147	ug/l	100
31) Cyclohexane	7.95	56	91796	19.784	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	69819	20.558	ug/l	99
36) 1,1-Dichloropropene	8.08	75	75454	19.737	ug/l	99
37) Ethyl Acetate	7.25	43	45966	20.899	ug/l #	96
38) Carbon Tetrachloride	8.07	117	61635	18.833	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81326	19.320	ug/l	99
40) Benzene	8.32	78	218528	20.407	ug/l	99
41) Methacrylonitrile	7.48	41	27495	20.912	ug/l	96
42) 1,2-Dichloroethane	8.40	62	71834	21.426	ug/l	100
43) Isopropyl Acetate	8.42	43	86154	21.299	ug/l	99
44) Trichloroethene	9.09	130	51523	20.019	ug/l	96
45) 1,2-Dichloropropane	9.37	63	58200	20.313	ug/l	99
46) Dibromomethane	9.46	93	27385	20.941	ug/l	99
47) Bromodichloromethane	9.64	83	69005	20.116	ug/l	100
48) Methyl methacrylate	9.43	41	42206	21.722	ug/l	99
49) 1,4-Dioxane	9.46	88	8531	450.541	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	228906	108.797	ug/l	99
52) Toluene	10.38	92	131828	20.386	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	69990	19.532	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	83811	19.671	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39583	21.333	ug/l	98
56) Ethyl methacrylate	10.65	69	57786	21.283	ug/l	100
57) 1,3-Dichloropropane	10.93	76	74451	21.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	142002	115.188	ug/l	100
59) 2-Hexanone	10.97	43	152738	102.816	ug/l	100
60) Dibromochloromethane	11.13	129	42038	20.411	ug/l	99
61) 1,2-Dibromoethane	11.24	107	37101	21.129	ug/l	99
64) Tetrachloroethene	10.86	164	43908	20.414	ug/l	98
65) Chlorobenzene	11.66	112	132271	19.916	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	46790	20.226	ug/l	99
67) Ethyl Benzene	11.73	91	249513	19.726	ug/l	98
68) m/p-Xylenes	11.84	106	183441	39.878	ug/l	100
69) o-Xylene	12.16	106	85193	19.930	ug/l	97
70) Styrene	12.18	104	150633	20.381	ug/l	99
71) Bromoform	12.35	173	23568	19.981	ug/l #	98
73) Isopropylbenzene	12.46	105	234280	19.499	ug/l	99
74) N-amyl acetate	12.27	43	77740	20.667	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	47719	21.115	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	33197m	19.481	ug/l	
77) Bromobenzene	12.74	156	53769	20.247	ug/l	100
78) n-propylbenzene	12.80	91	286046	19.563	ug/l	99
79) 2-Chlorotoluene	12.89	91	167635	19.900	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	201692	20.026	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13469	18.216	ug/l	95
82) 4-Chlorotoluene	12.99	91	173178	19.594	ug/l	99
83) tert-Butylbenzene	13.21	119	166035	19.714	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	203699	20.078	ug/l	99
85) sec-Butylbenzene	13.38	105	233360	19.419	ug/l	100
86) p-Isopropyltoluene	13.50	119	211523	19.400	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	104885	20.143	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	103241	19.931	ug/l	98
89) n-Butylbenzene	13.82	91	205243	18.863	ug/l	99
90) Hexachloroethane	14.09	117	36313	18.834	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	93417	20.284	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7725	20.045	ug/l	98

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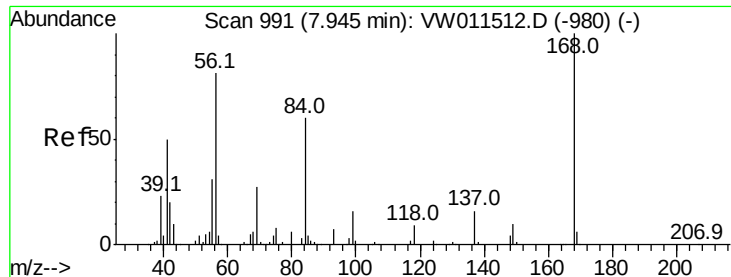
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62871	19.370	ug/l	99
94) Hexachlorobutadiene	15.24	225	38666	19.103	ug/l	98
95) Naphthalene	15.37	128	114679	19.358	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	55940	19.662	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: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion:168 Resp: 216112

Ion Ratio Lower Upper

168 100

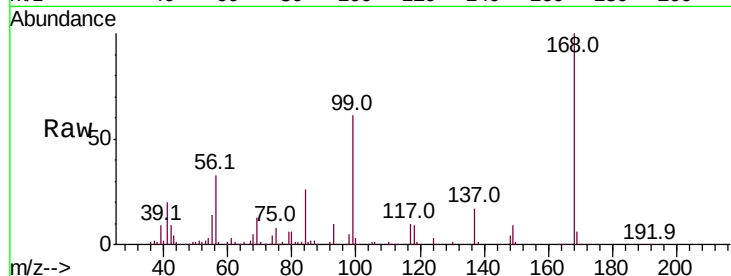
99 60.7 48.2 72.4

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

100000

80000

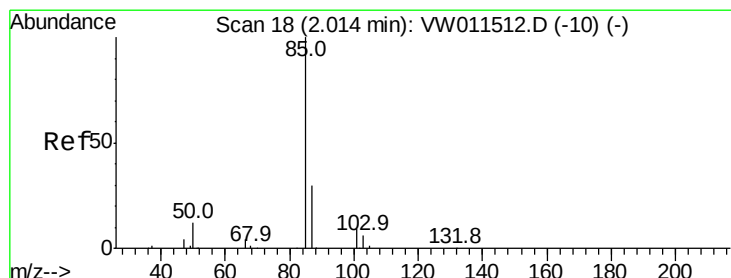
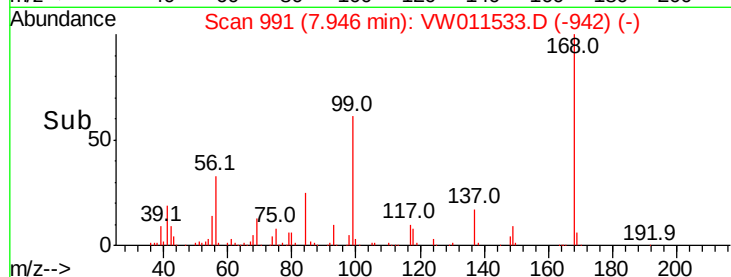
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.490 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011533.D

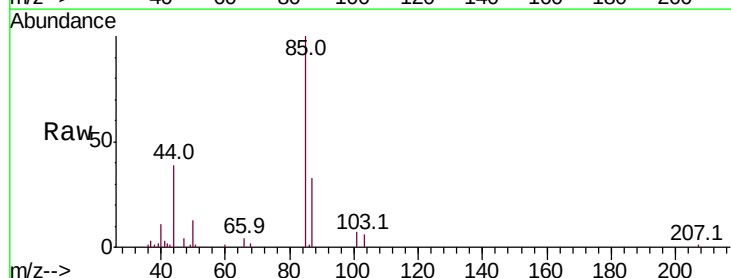
Acq: 26 Jul 2019 23:34

Tgt Ion: 85 Resp: 25883

Ion Ratio Lower Upper

85 100

87 33.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

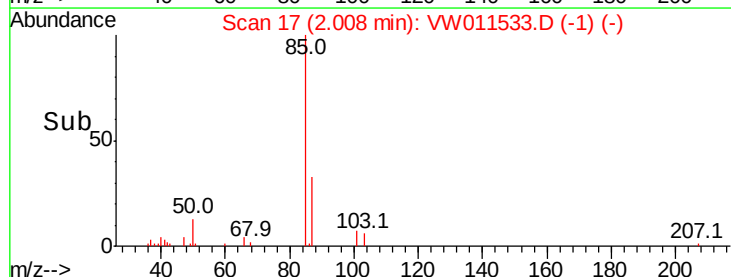
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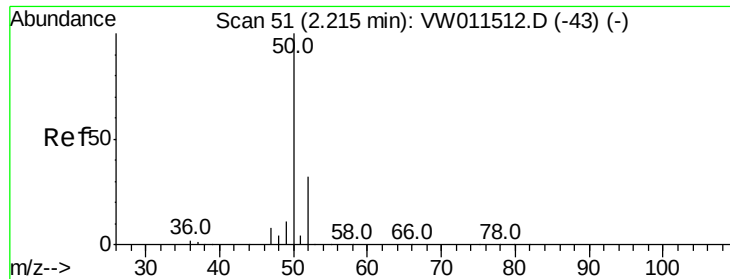
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.101 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion: 50 Resp: 44070

Ion Ratio Lower Upper

50 100

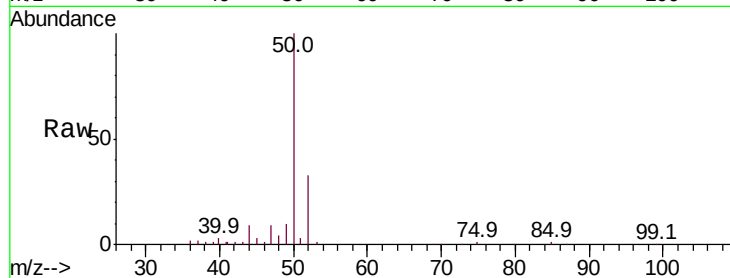
52 32.8 25.4 38.2

Manual Integrations

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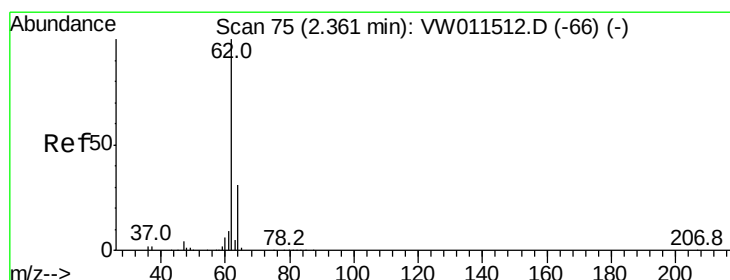
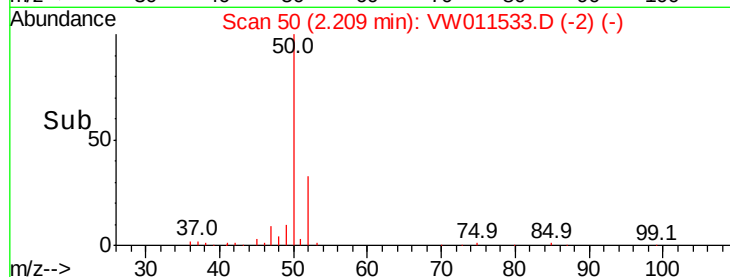
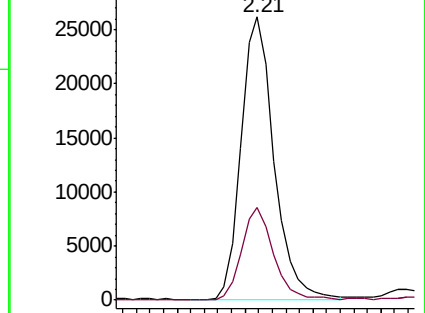
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.556 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011533.D

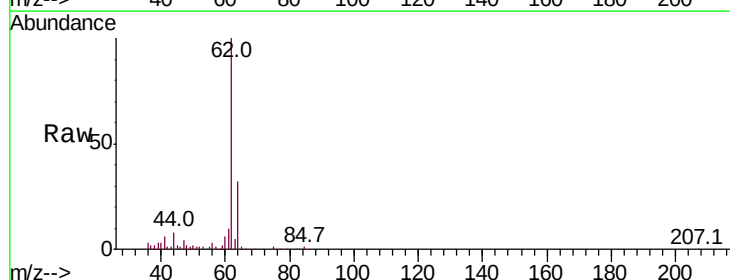
Acq: 26 Jul 2019 23:34

Tgt Ion: 62 Resp: 51687

Ion Ratio Lower Upper

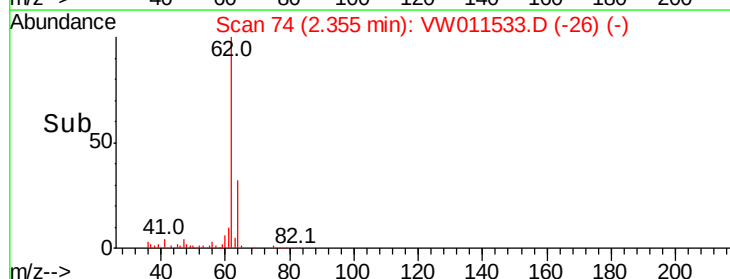
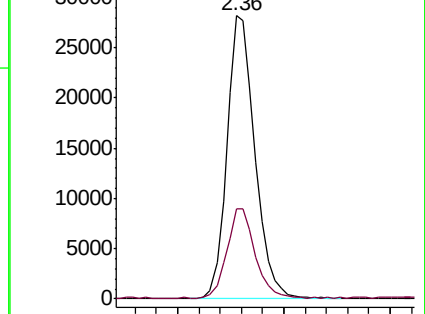
62 100

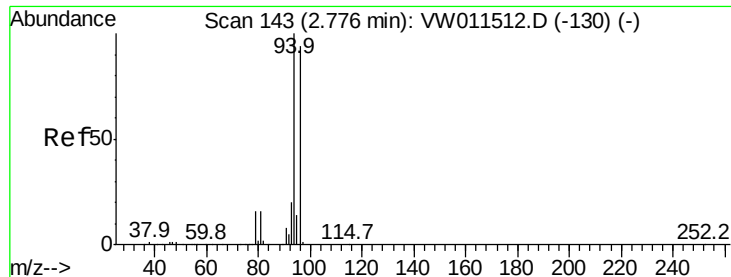
64 31.3 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 18.048 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion: 94 Resp: 25119

Ion Ratio Lower Upper

94 100

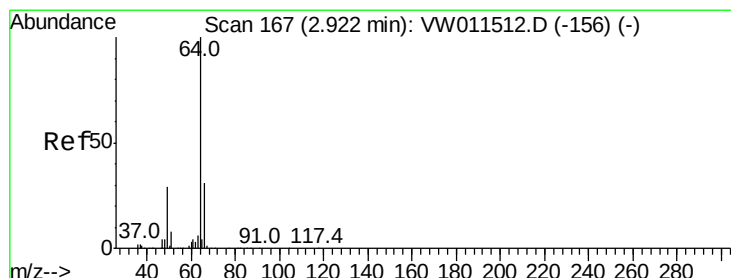
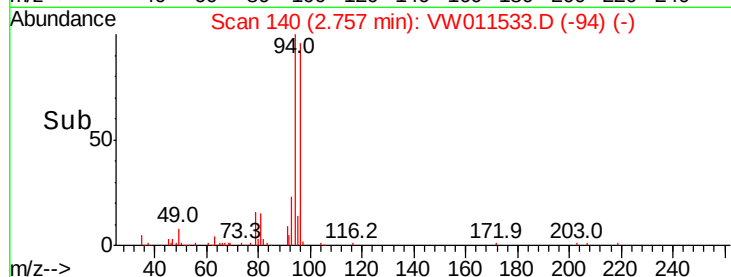
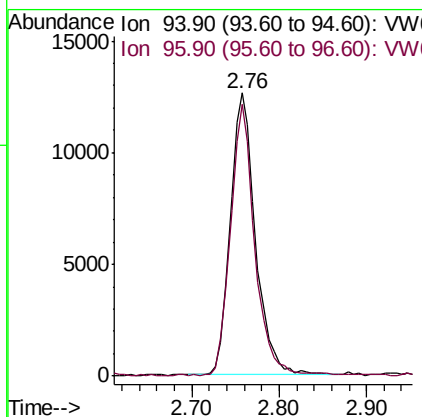
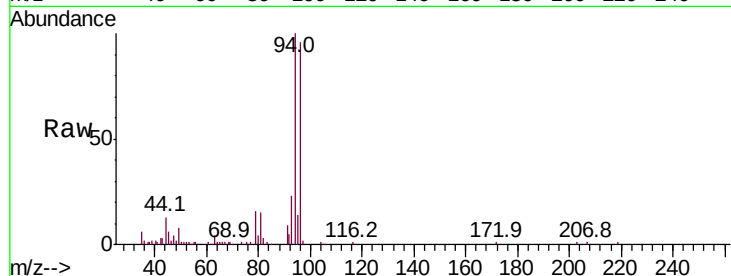
96 96.6 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 18.762 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.02 min

Lab File: VW011533.D

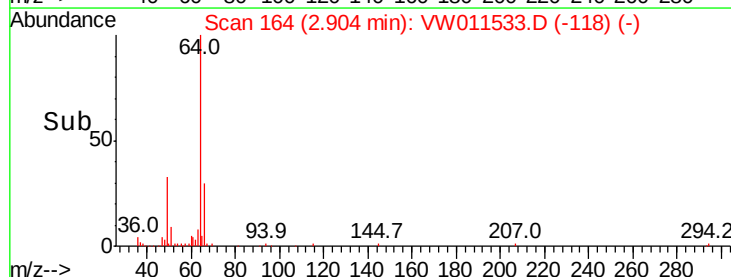
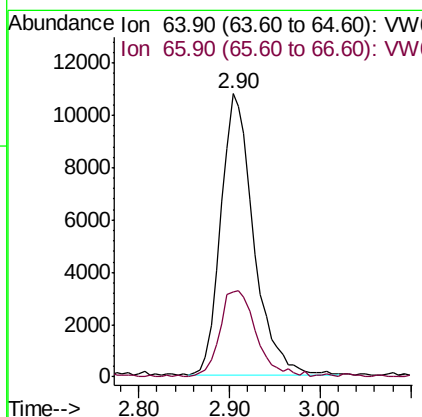
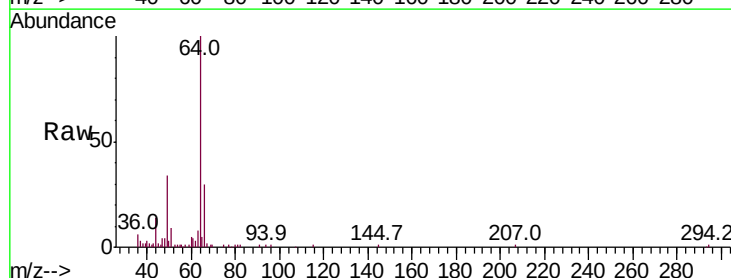
Acq: 26 Jul 2019 23:34

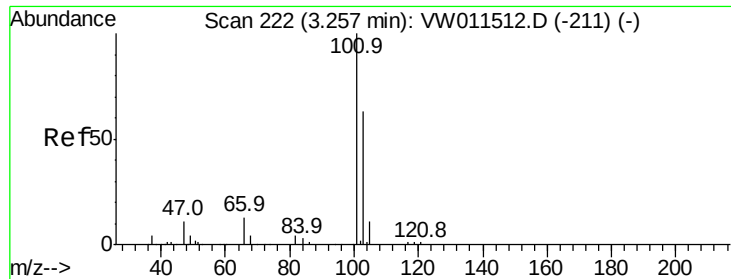
Tgt Ion: 64 Resp: 26947

Ion Ratio Lower Upper

64 100

66 30.2 24.6 36.8





#7

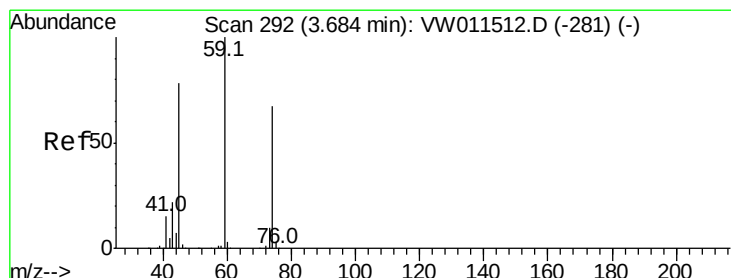
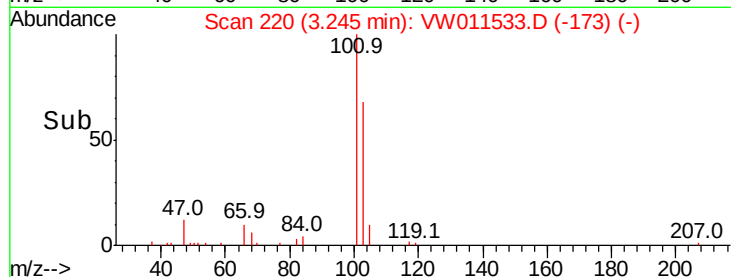
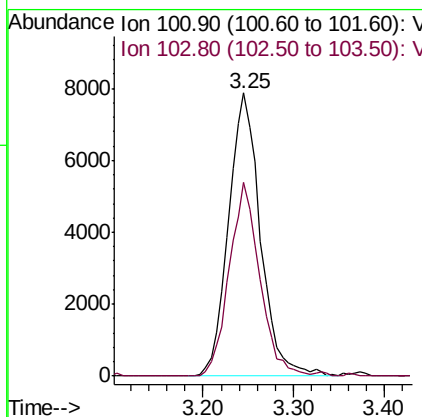
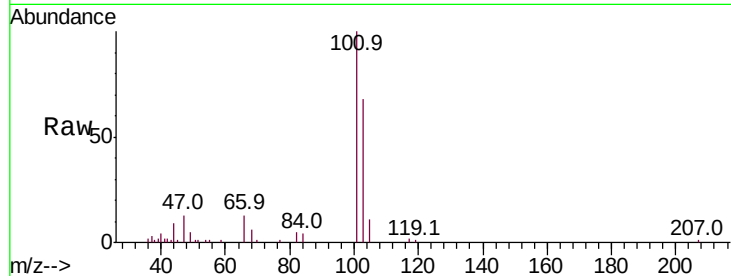
Trichlorofluoromethane
 Concen: 17.098 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Instrument :
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 ClientSampleId :
 VW0727SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	50.2	75.4

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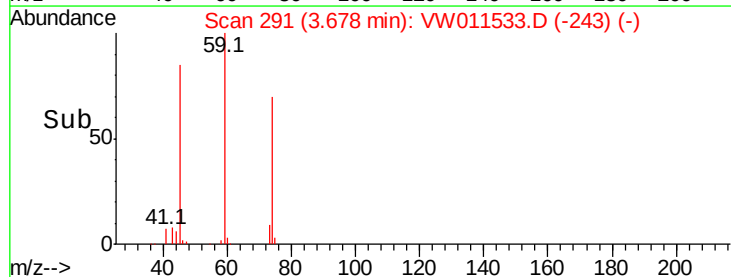
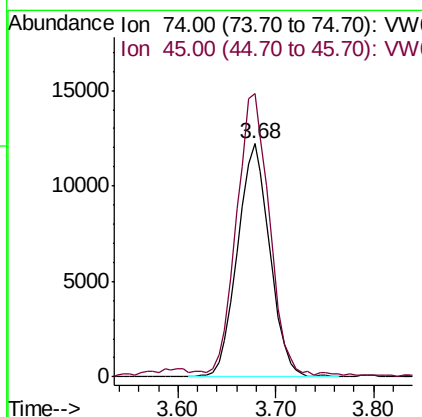
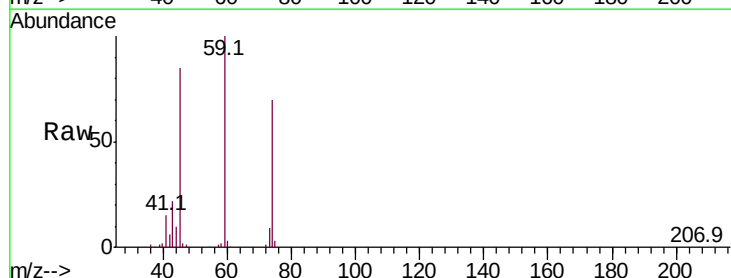
MMDadoda
 7/29/2019 9:19:26 AM

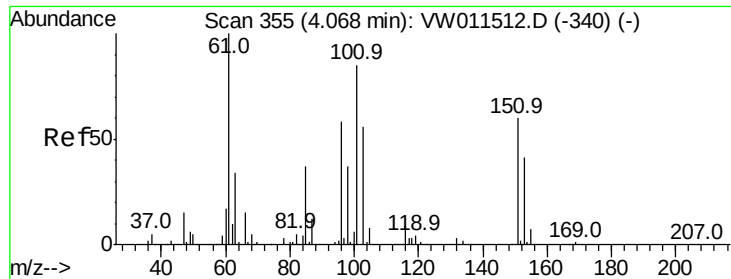


#8

Diethyl Ether
 Concen: 21.896 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.9	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.677 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

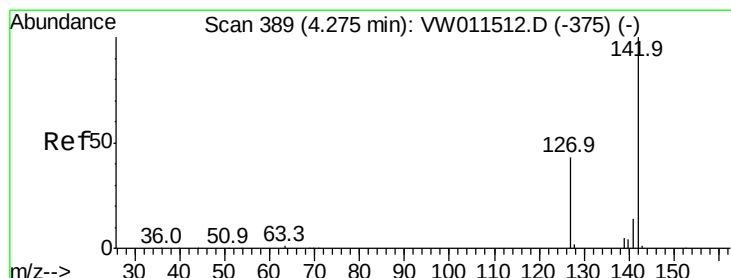
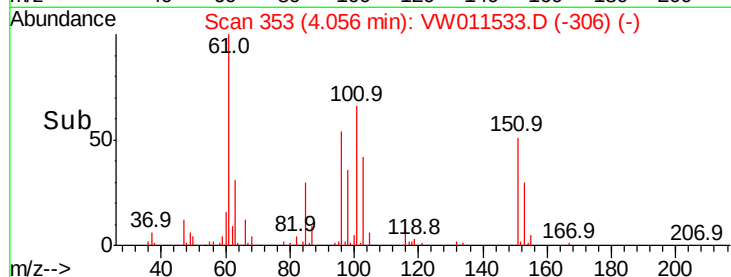
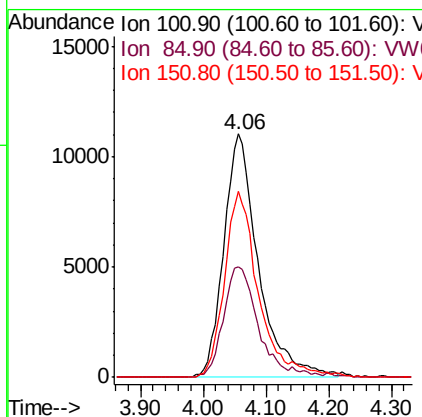
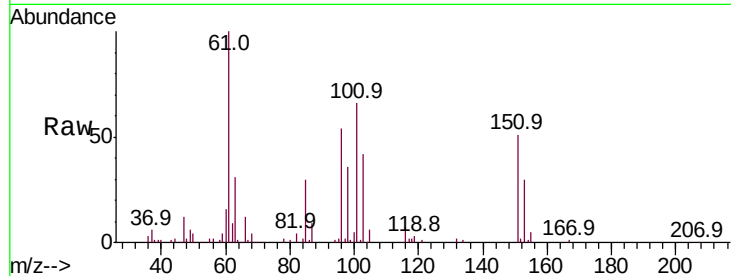
ClientSampleId :

VW0727SBS02

Tot Ion:	101	Resp:	41945
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.6	54.8
151	74.6	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.838 ug/l

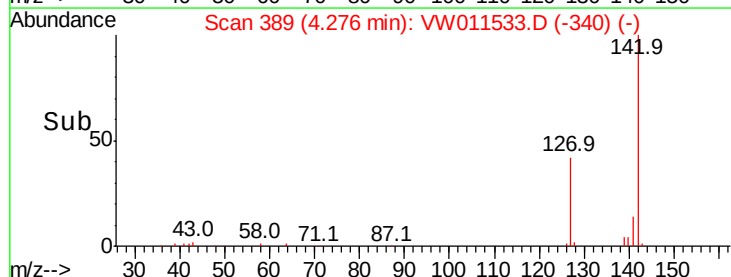
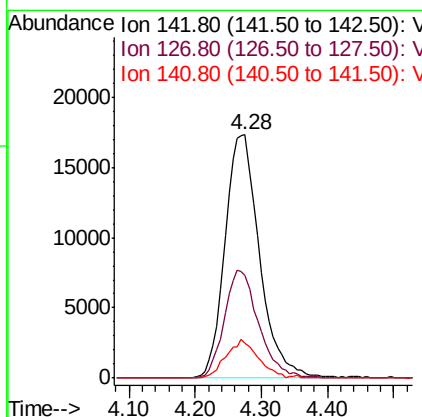
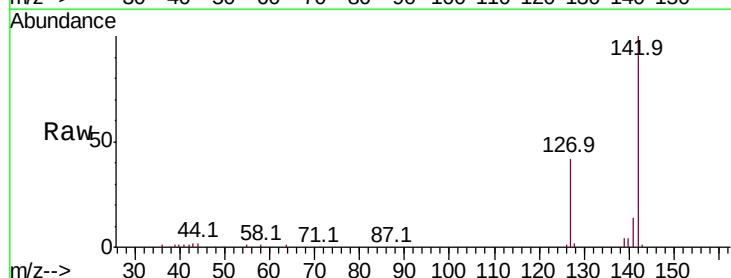
RT: 4.28 min Scan# 389

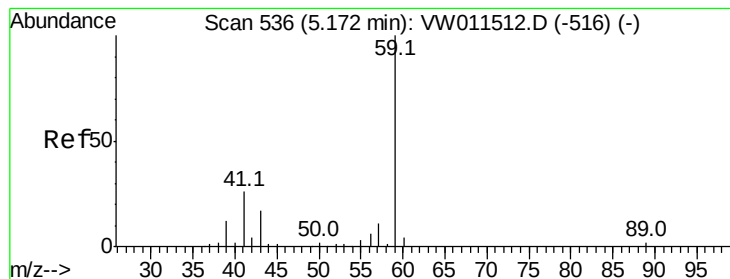
Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Tgt Ion:	142	Resp:	62774
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.0	52.6
141	14.6	11.9	17.9





#11

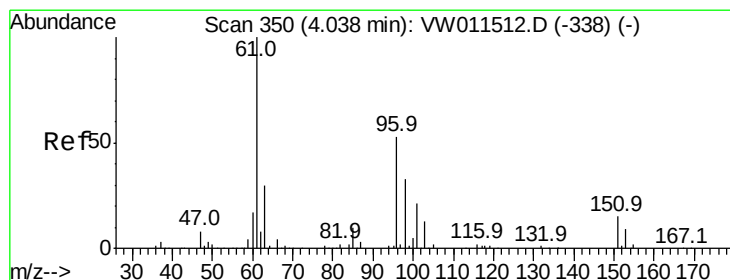
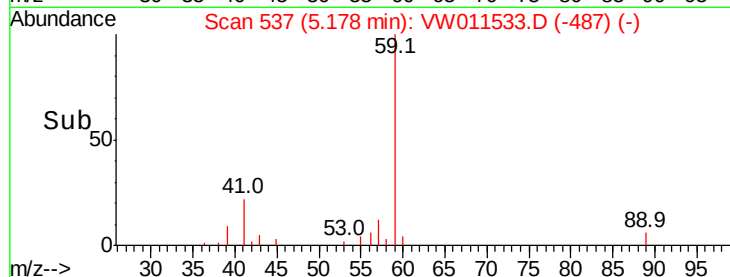
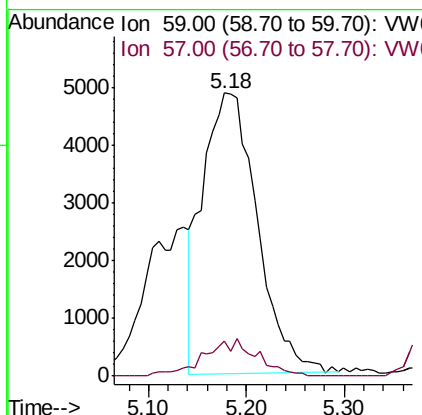
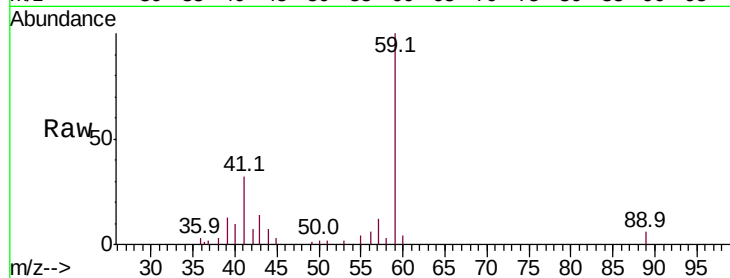
Tert butyl alcohol
 Concen: 90.620 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS02

Tot Ion	59	Resp	18678
Ion Ratio	100	Lower	Upper
57	7.0	8.5	12.7#

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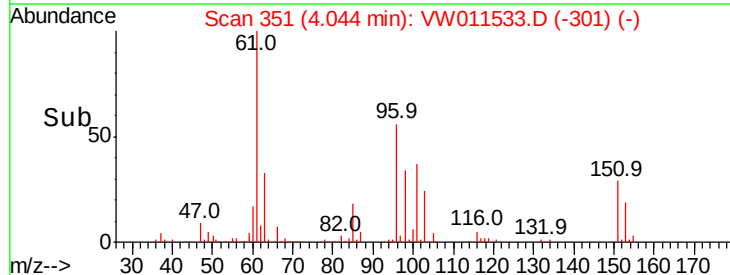
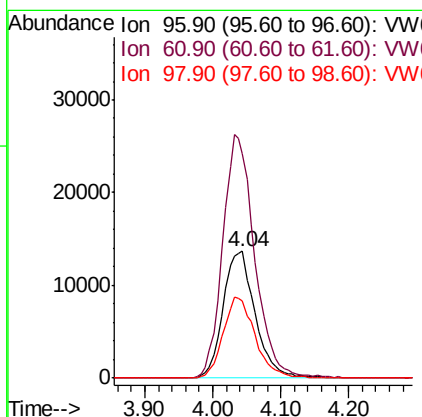
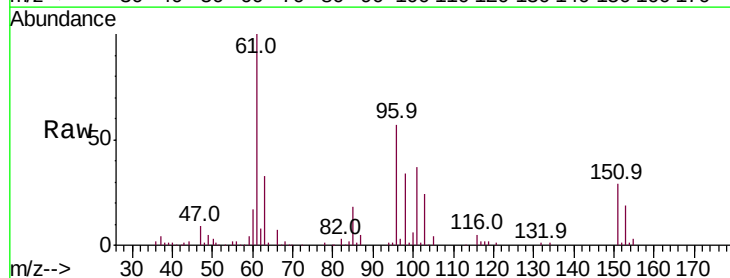
MMDadoda
 7/29/2019 9:19:26 AM

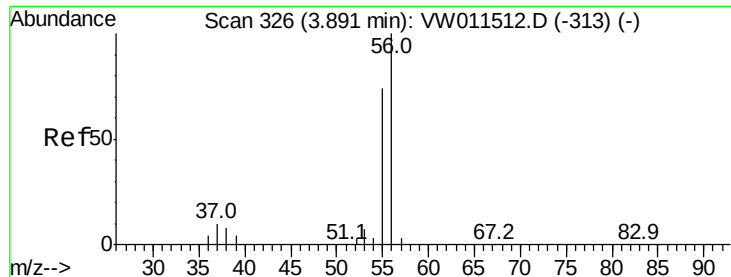


#12

1,1-Dichloroethene
 Concen: 19.859 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Tgt Ion	96	Resp	44697
Ion Ratio	100	Lower	Upper
61	176.1	149.9	224.9
98	60.3	49.1	73.7





#13

Acrolein

Concen: 97.186 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion: 56 Resp: 17305

Ion Ratio Lower Upper

56 100

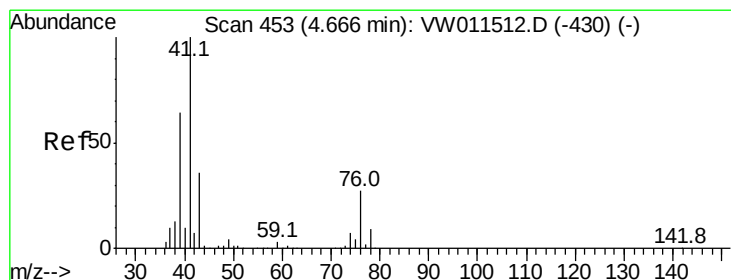
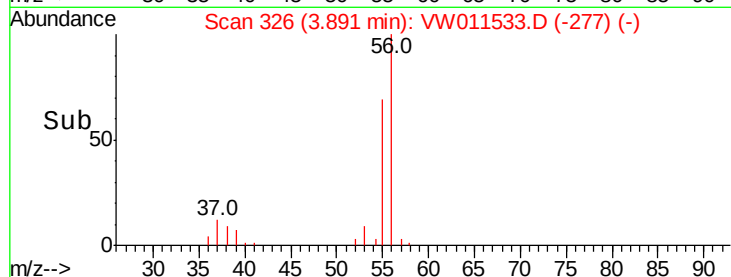
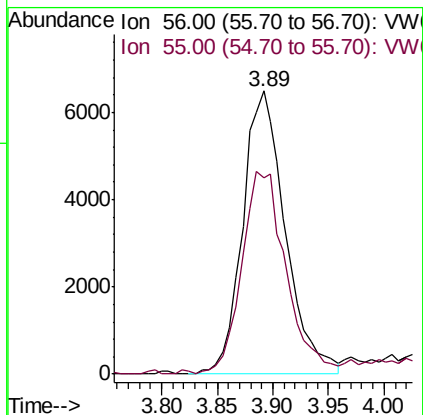
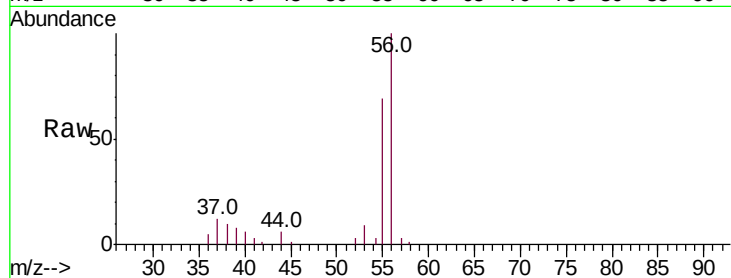
55 74.5 56.0 84.0

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#14

Allyl chloride

Concen: 20.046 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

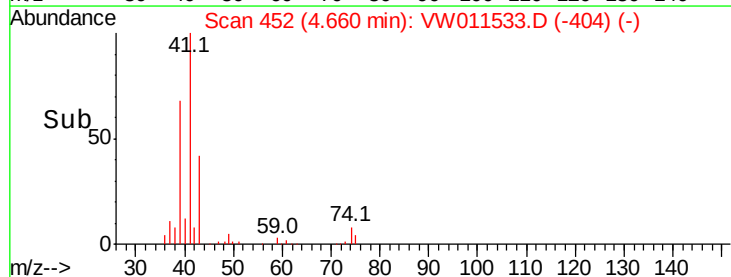
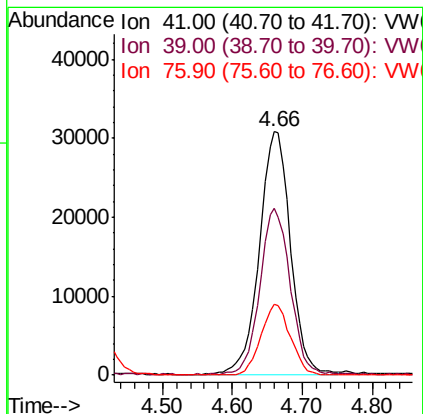
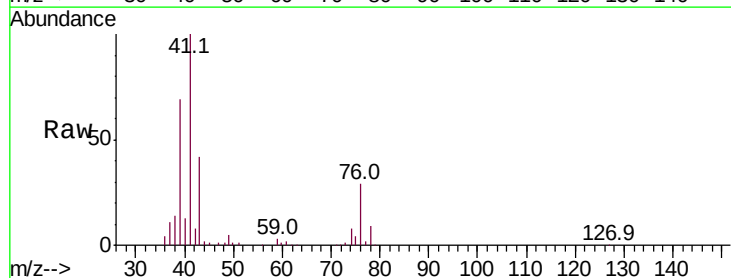
Tgt Ion: 41 Resp: 95963

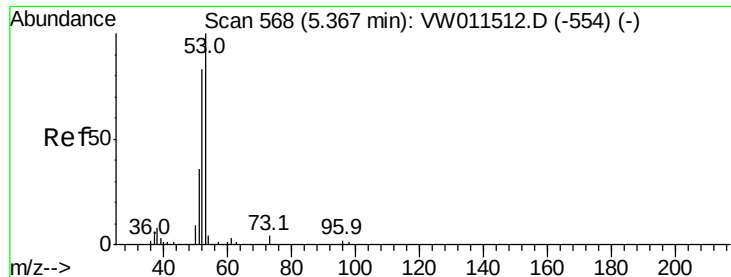
Ion Ratio Lower Upper

41 100

39 67.3 52.6 78.8

76 27.6 22.0 33.0





#15

Acrylonitrile

Concen: 112.888 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

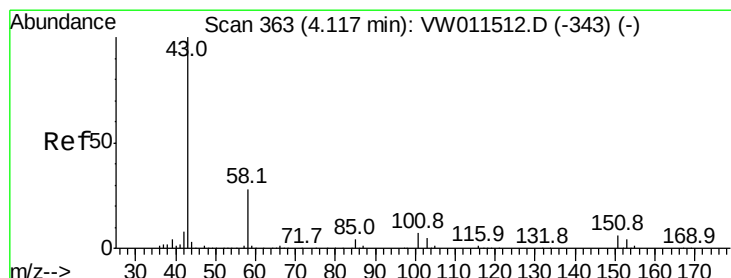
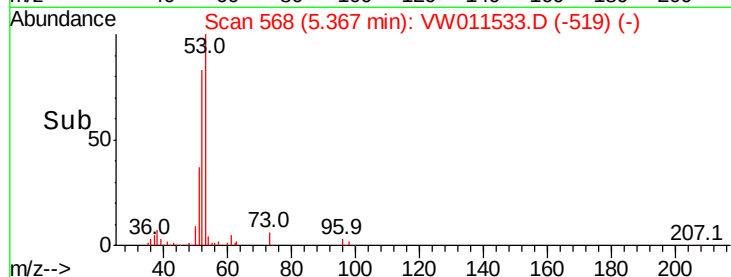
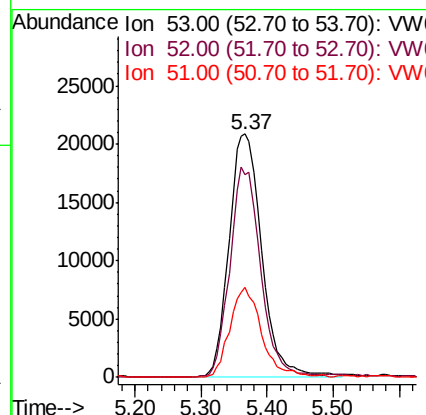
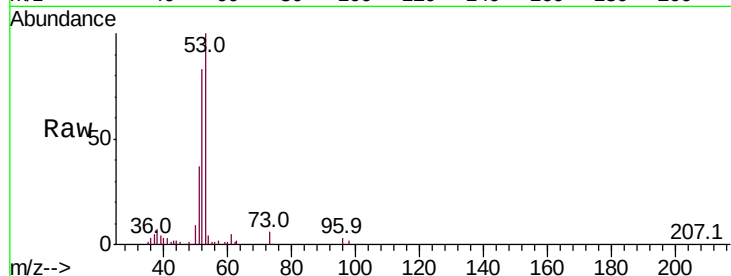
ClientSampleId :

VW0727SBS02

Tot Ion:	53	Resp:	71798
Ion	Ratio	Lower	Upper
53	100		
52	81.2	67.2	100.8
51	35.8	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 81.399 ug/l

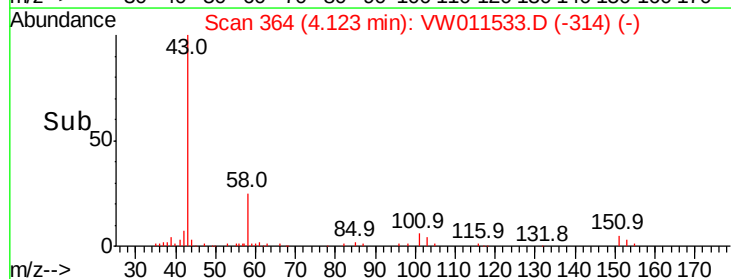
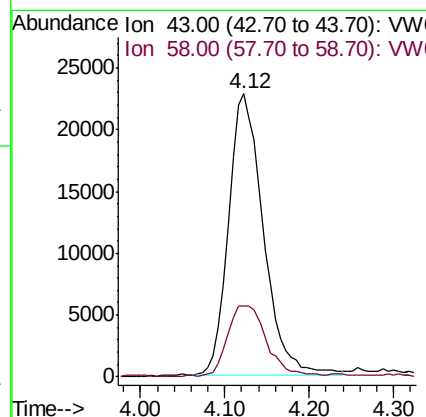
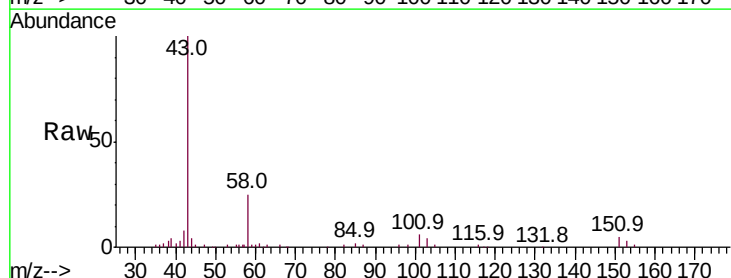
RT: 4.12 min Scan# 364

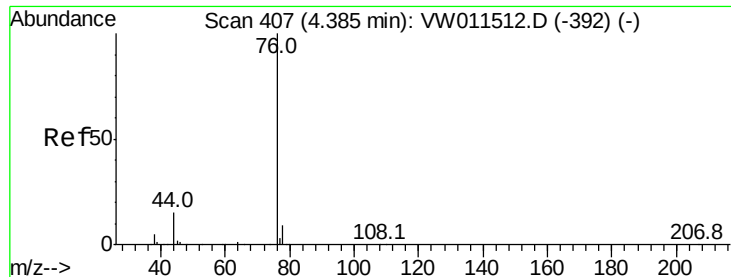
Delta R.T. 0.01 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Tgt Ion:	43	Resp:	64255
Ion	Ratio	Lower	Upper
43	100		
58	24.6	22.3	33.5





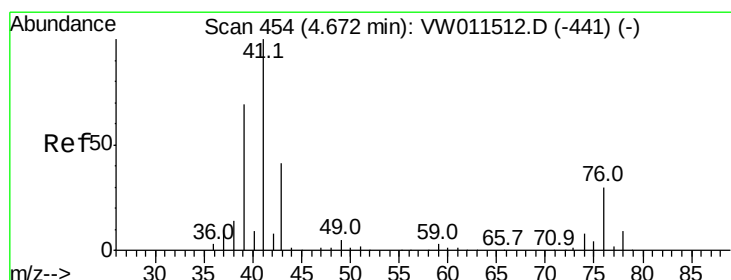
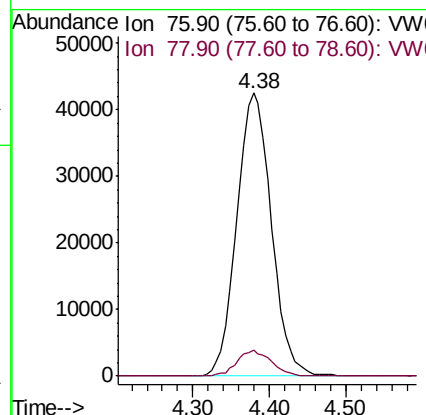
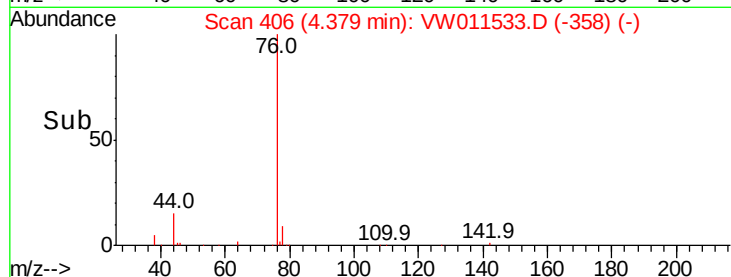
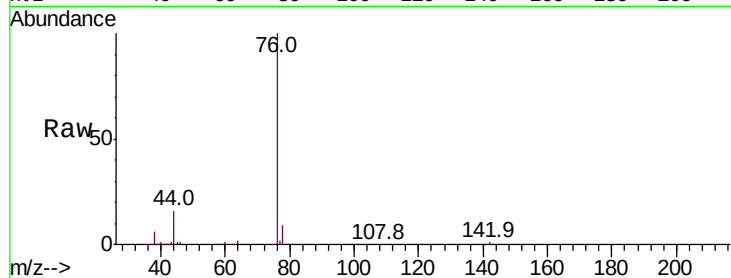
#17
Carbon Disulfide
Concen: 18.914 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

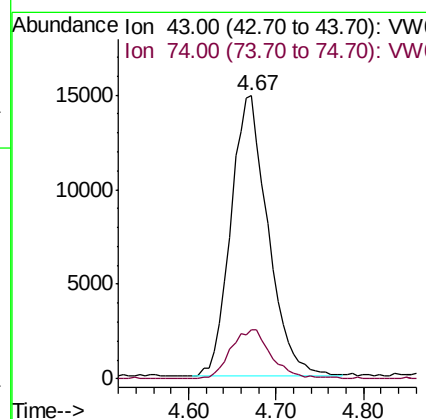
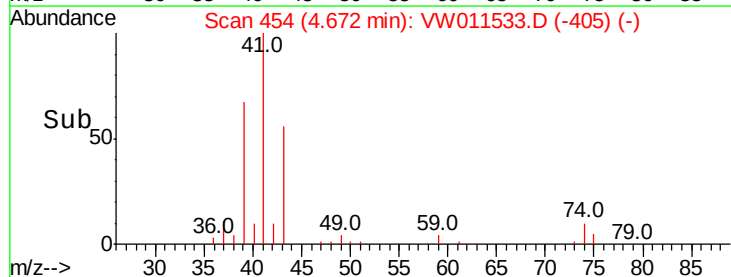
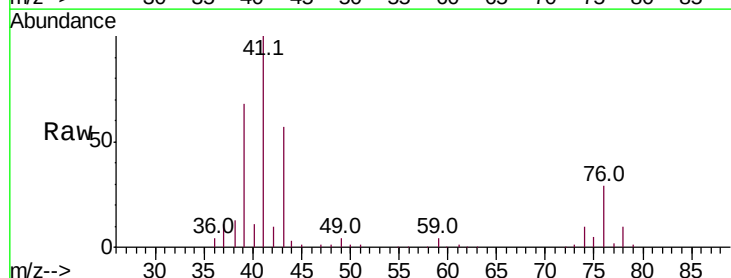
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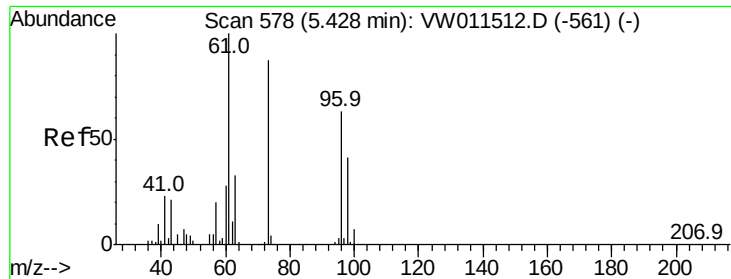
MMDadoda
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#18
Methyl Acetate
Concen: 24.730 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.9	15.9	23.9





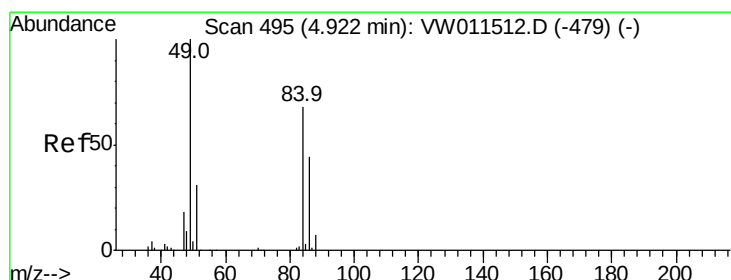
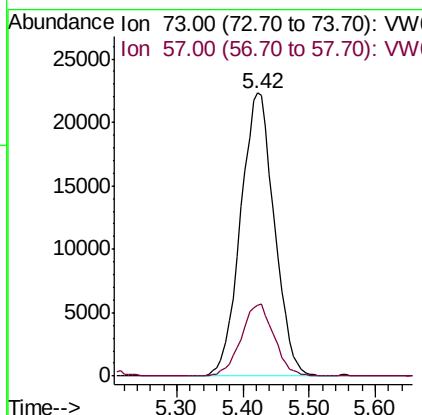
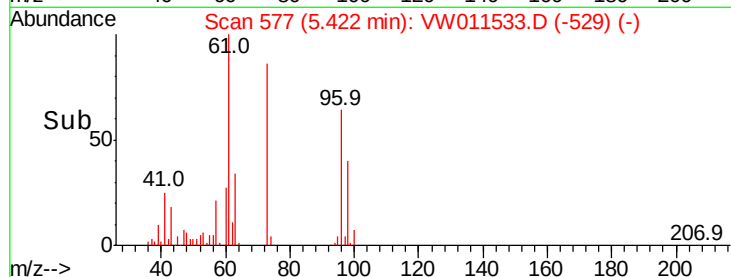
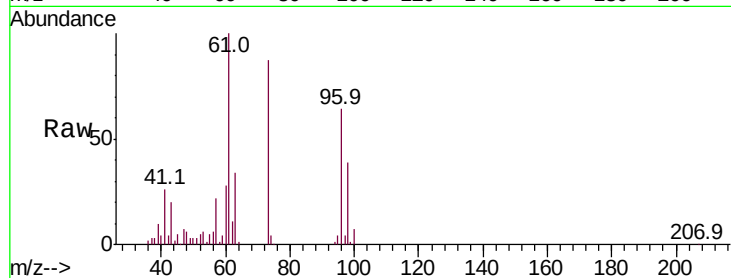
#19
Methyl tert-butyl Ether
Concen: 22.132 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion: 73 Resp: 79047
Ion Ratio Lower Upper
73 100
57 25.0 18.4 27.6

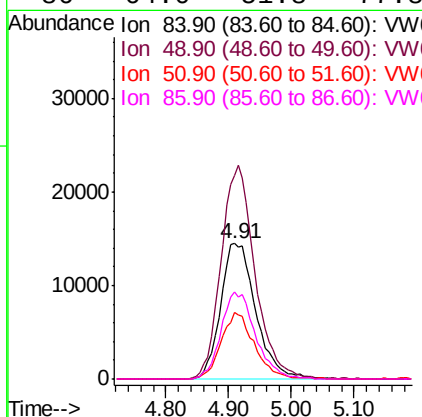
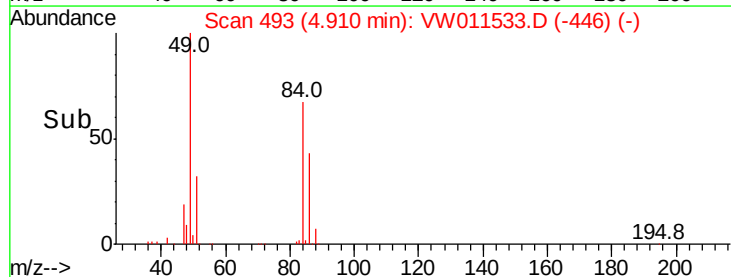
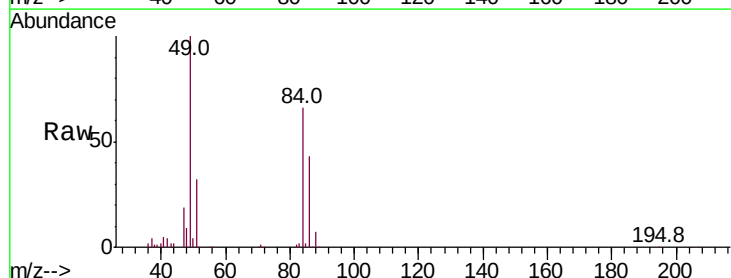
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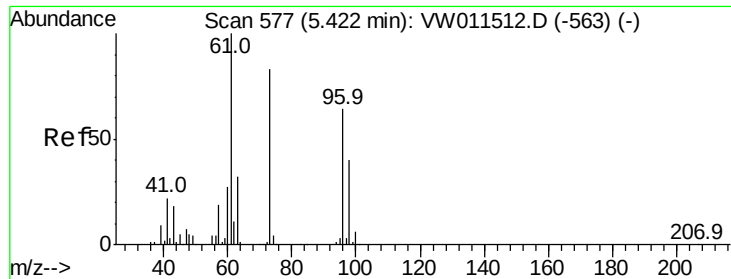
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#20
Methylene Chloride
Concen: 20.614 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion: 84 Resp: 56121
Ion Ratio Lower Upper
84 100
49 150.0 117.8 176.6
51 48.7 37.0 55.4
86 64.0 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.295 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

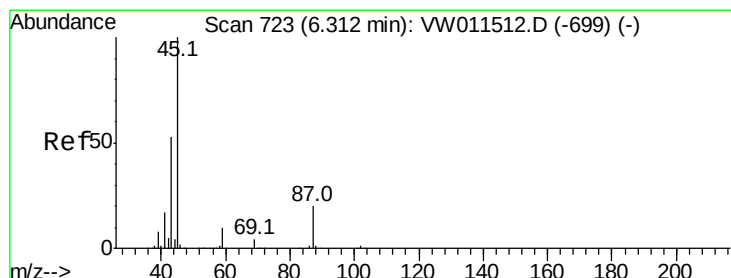
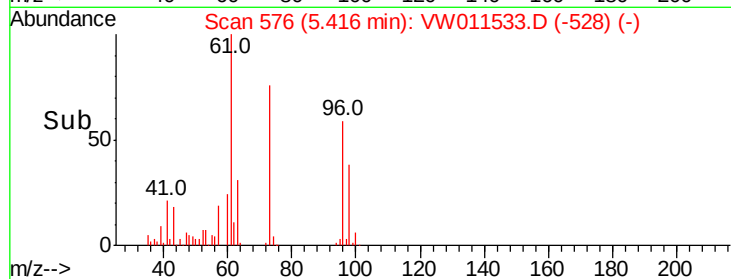
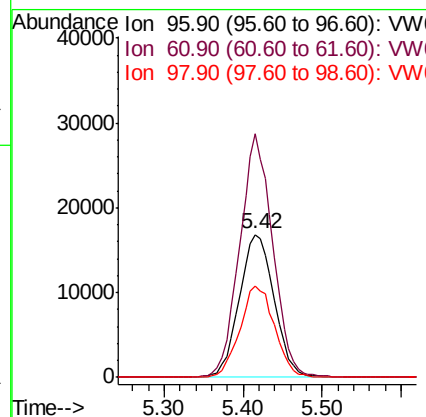
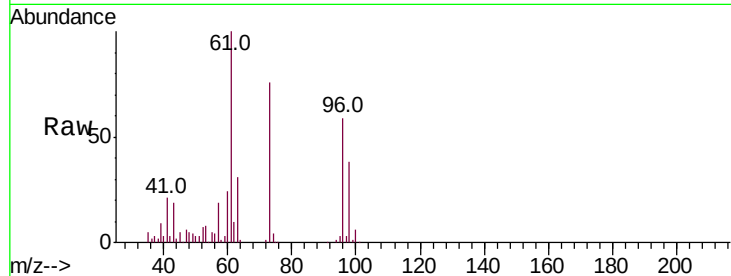
ClientSampleId :

VW0727SBS02

Tot Ion:	96	Resp:	51674
Ion	Ratio	Lower	Upper
96	100		
61	170.7	125.7	188.5
98	64.2	50.3	75.5

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#22

Diisopropyl ether

Concen: 21.803 ug/l

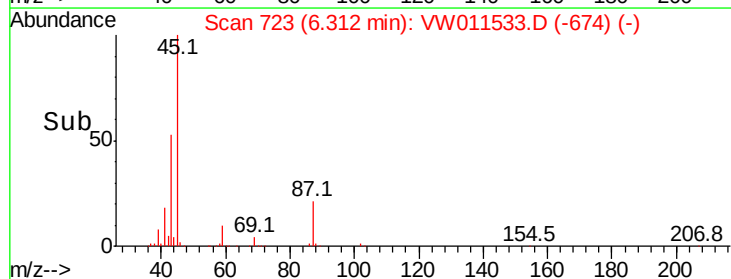
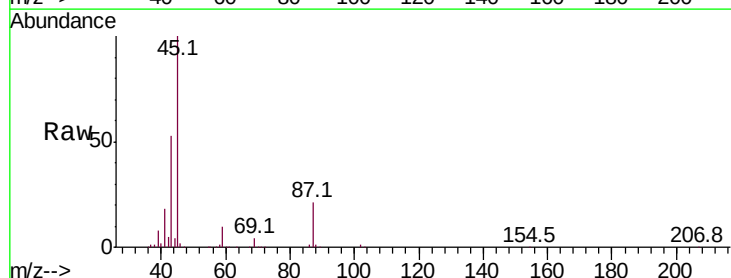
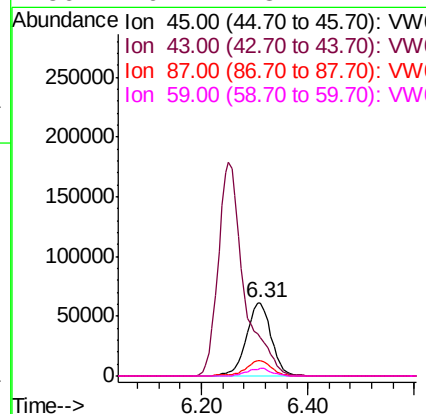
RT: 6.31 min Scan# 723

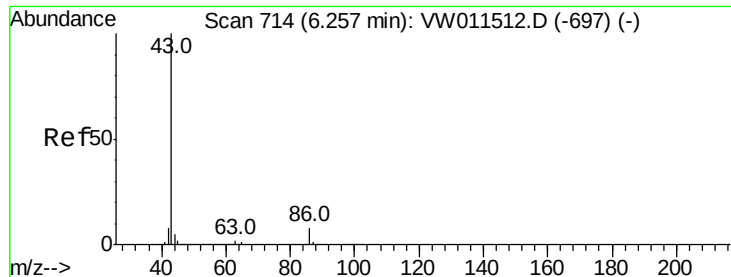
Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Tgt Ion:	45	Resp:	196778
Ion	Ratio	Lower	Upper
45	100		
43	52.5	42.6	63.8
87	21.3	16.4	24.6
59	10.4	8.2	12.2





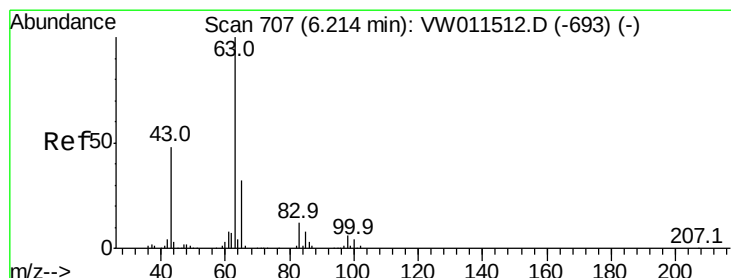
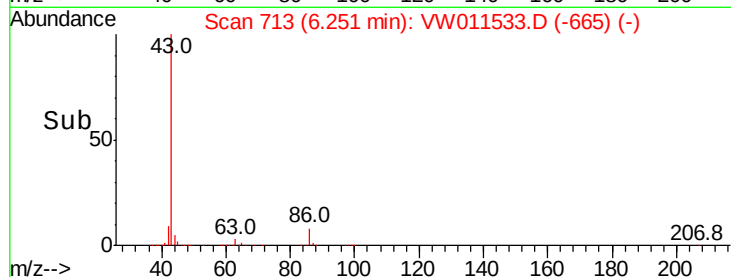
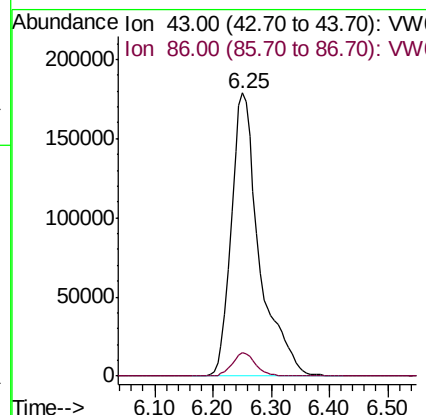
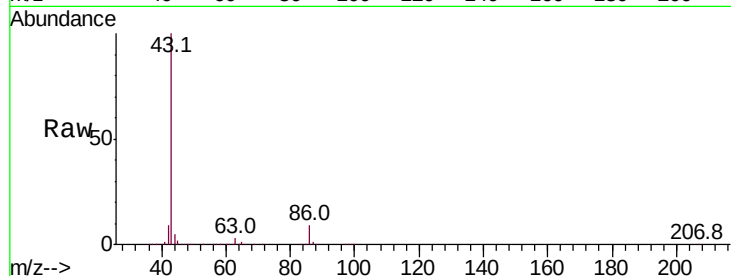
#23
 Vinyl Acetate
 Concen: 105.378 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS02

Tot Ion	Ratio	Resp	Lower	Upper
43	100	597613		
86	8.5	6.5	9.7	

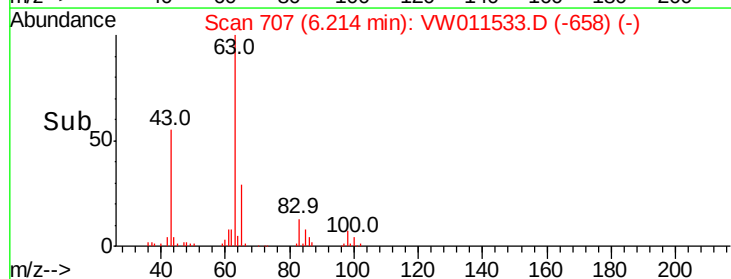
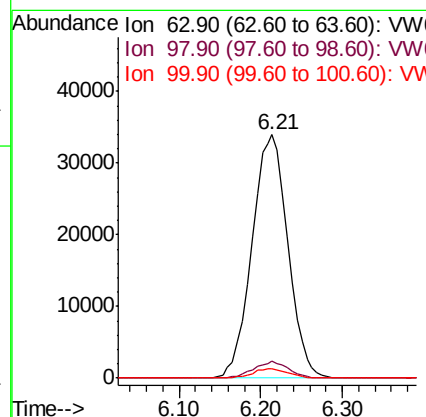
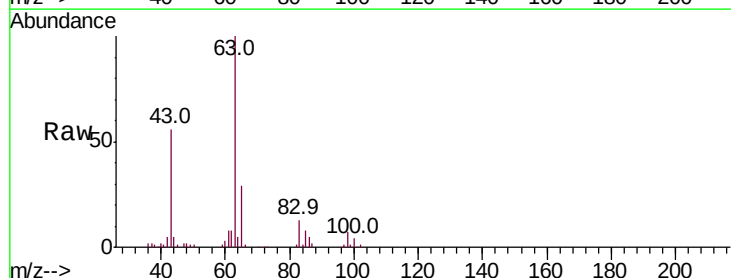
Manual Integrations
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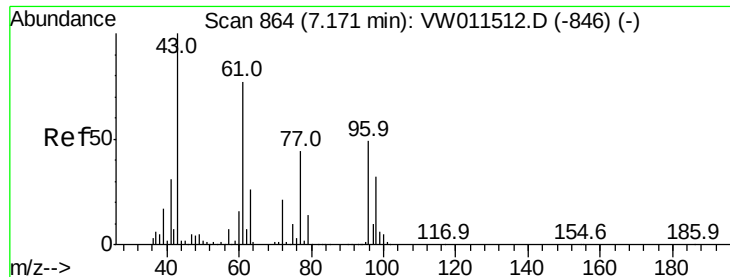
MMDadoda
 7/29/2019 9:19:26 AM



#24
 1,1-Dichloroethane
 Concen: 21.451 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	103688		
98	6.9	2.9	8.8	
100	4.0	2.1	6.3	





#25

2-Butanone

Concen: 104.205 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion: 43 Resp: 107636

Ion Ratio Lower Upper

43 100

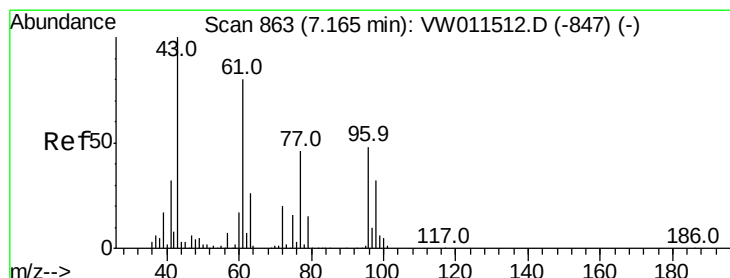
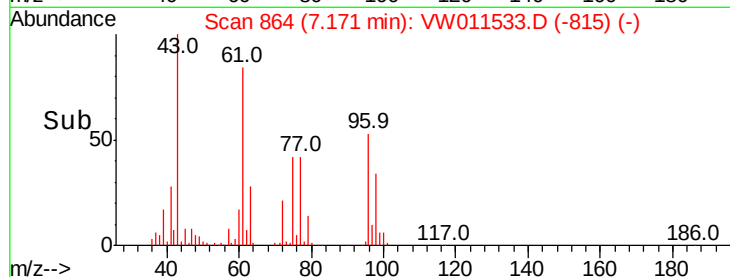
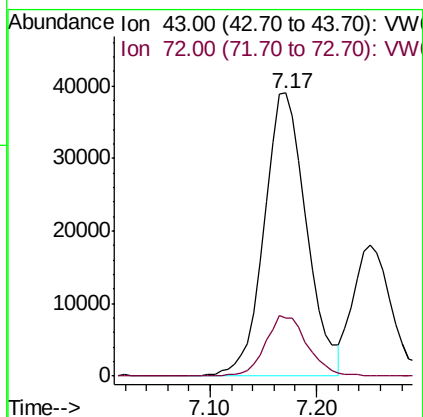
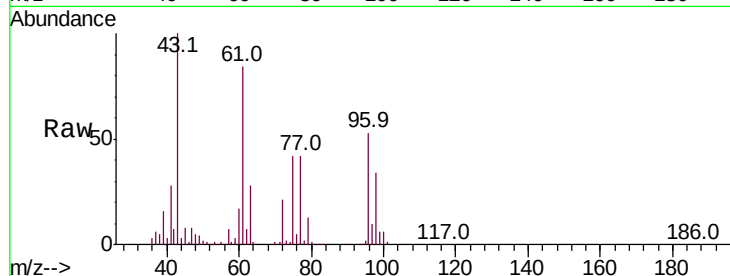
72 20.6 16.6 24.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 18.941 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011533.D

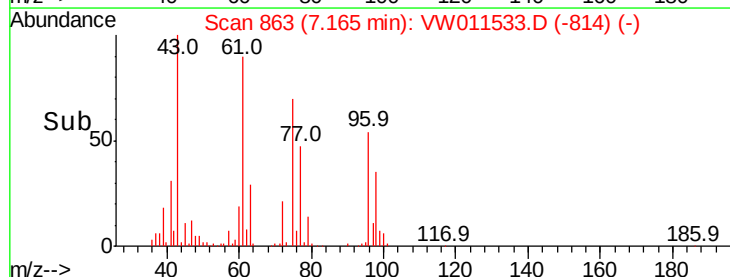
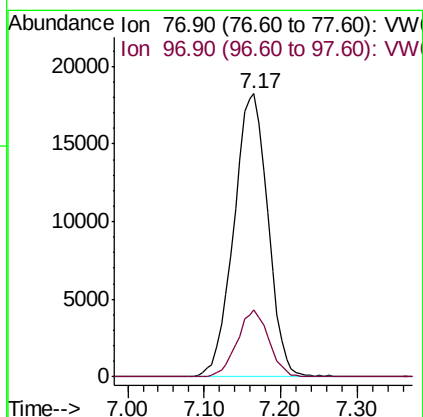
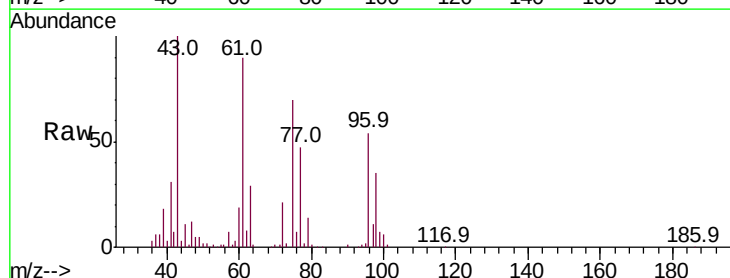
Acq: 26 Jul 2019 23:34

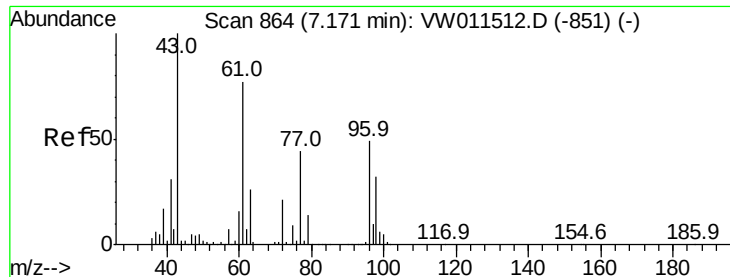
Tgt Ion: 77 Resp: 56305

Ion Ratio Lower Upper

77 100

97 21.7 10.8 32.4





#27

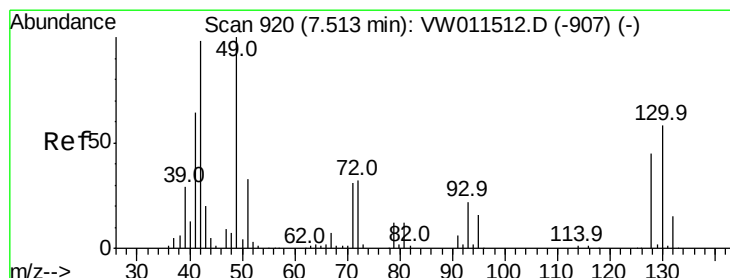
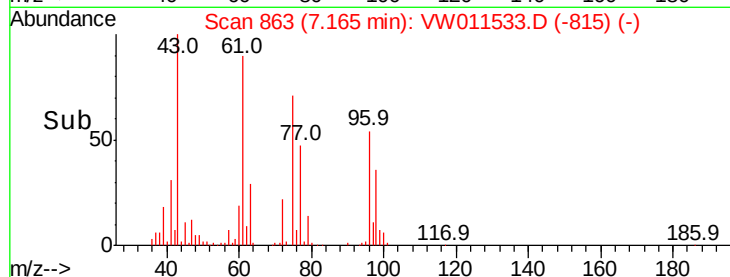
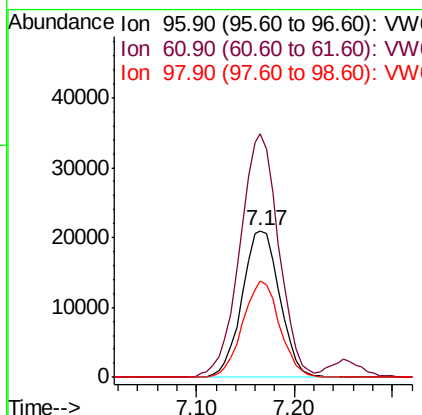
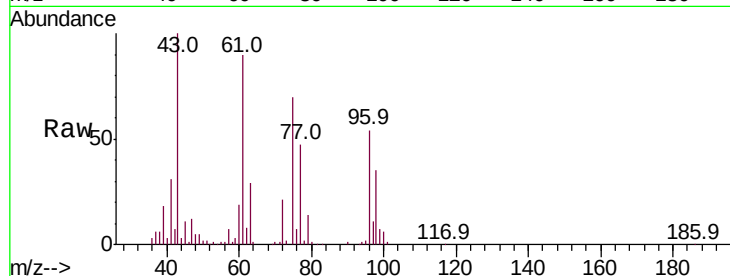
cis-1,2-Dichloroethene
Concen: 20.955 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.0	0.0	328.4
98	64.7	0.0	128.8

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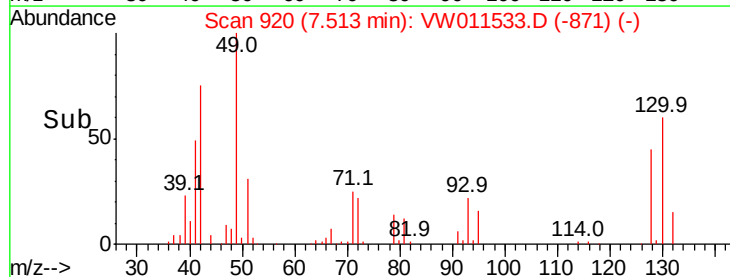
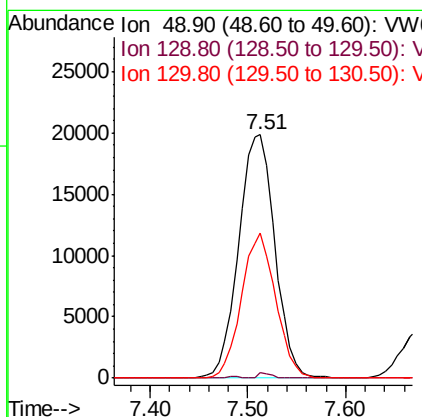
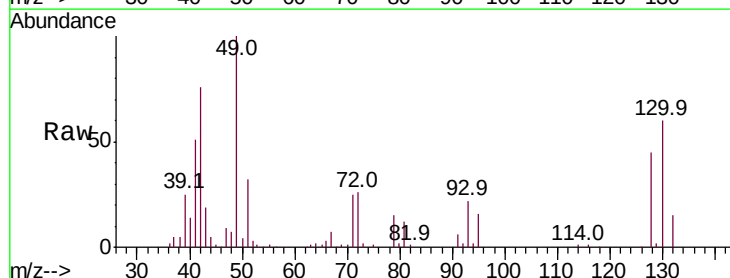
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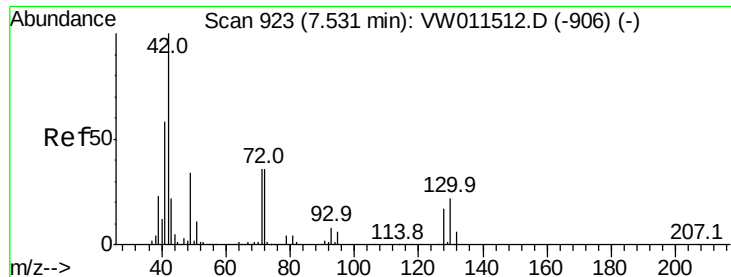


#28

Bromochloromethane
Concen: 23.826 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.0
130	56.5	46.3	69.5





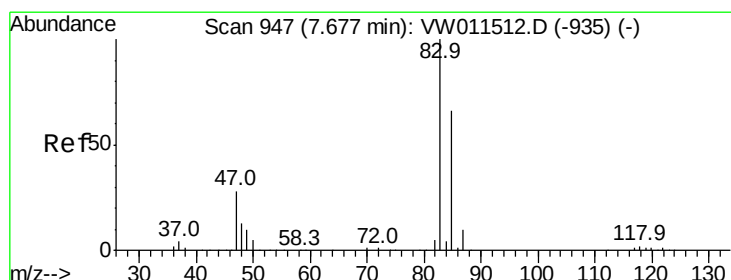
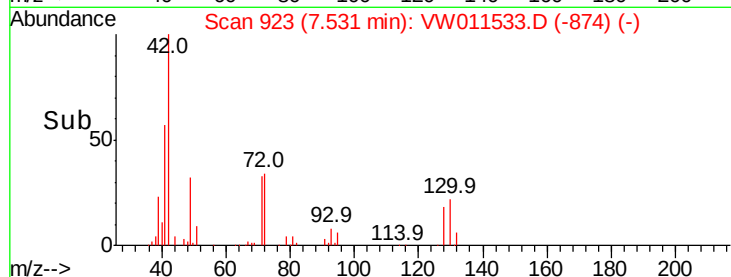
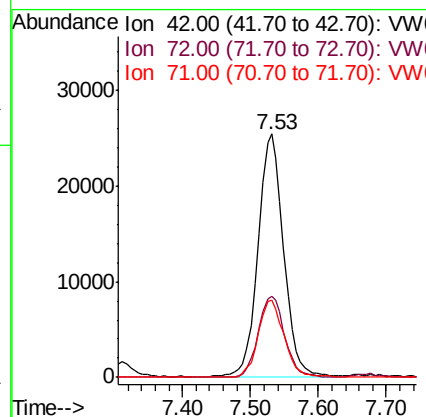
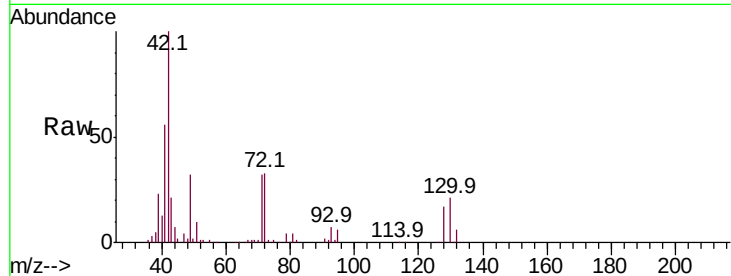
#29
Tetrahydrofuran
Concen: 114.303 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.1	40.7
71	32.1	26.2	39.4

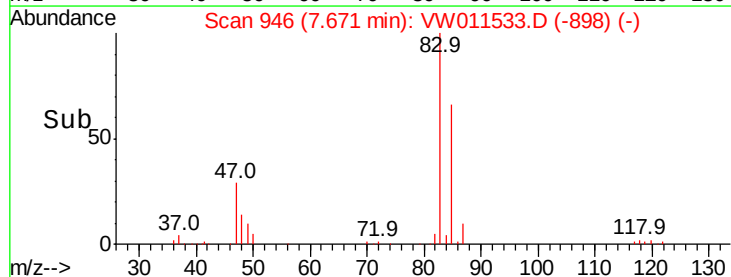
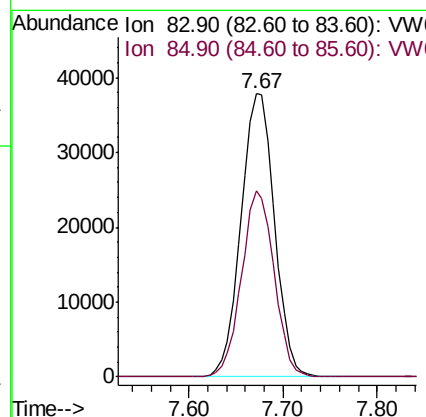
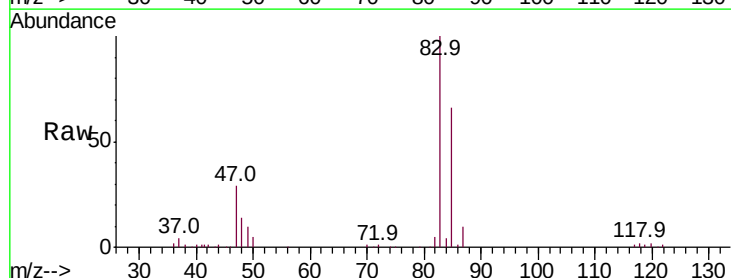
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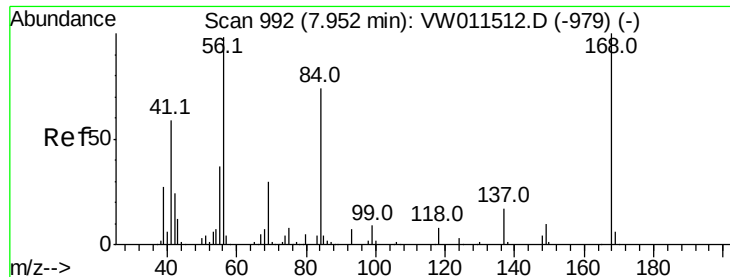
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#30
Chloroform
Concen: 21.147 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.5	78.7





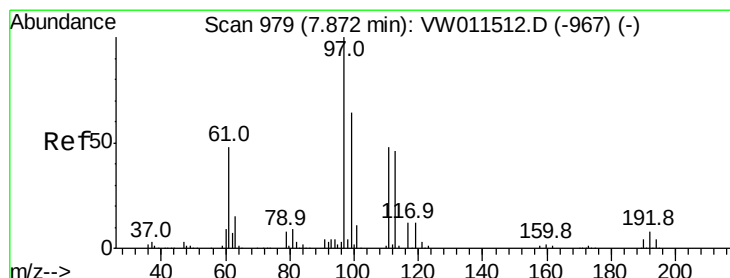
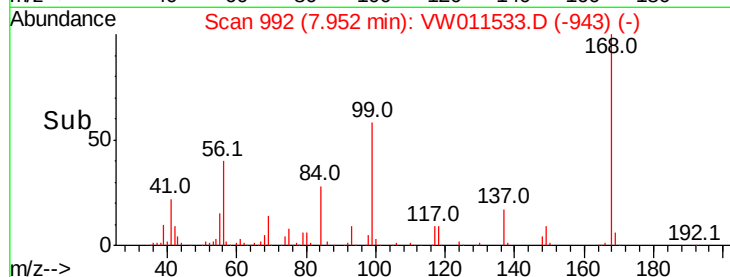
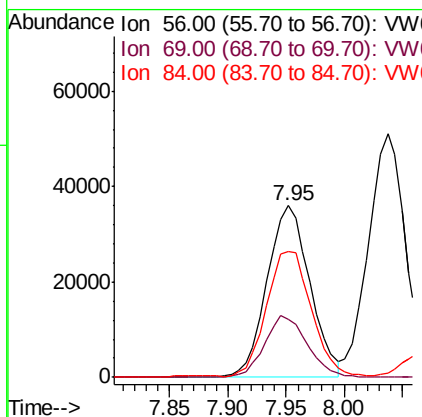
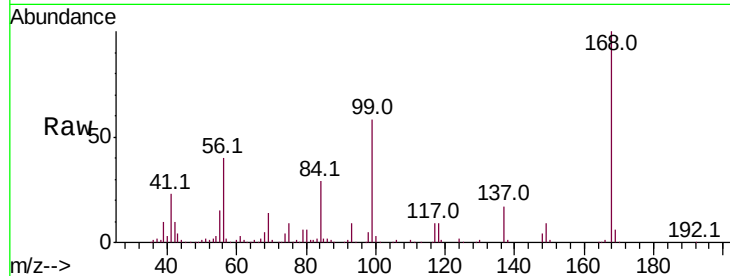
#31
Cyclohexane
Concen: 19.784 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	24.3	36.5
84	72.3	60.4	90.6

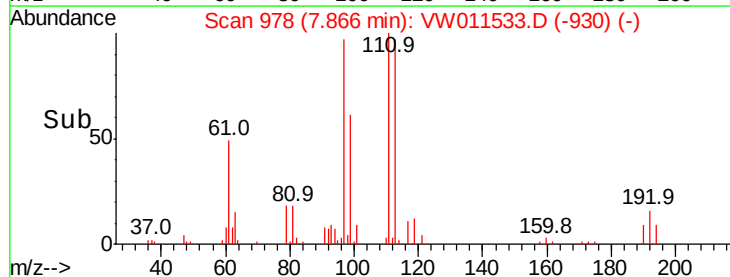
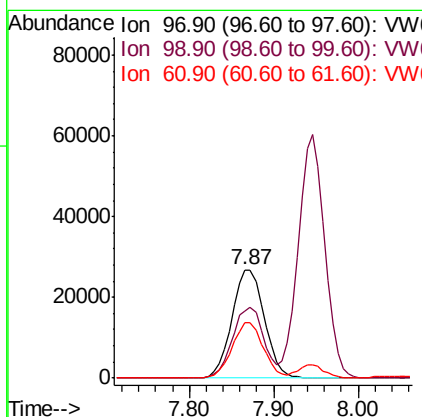
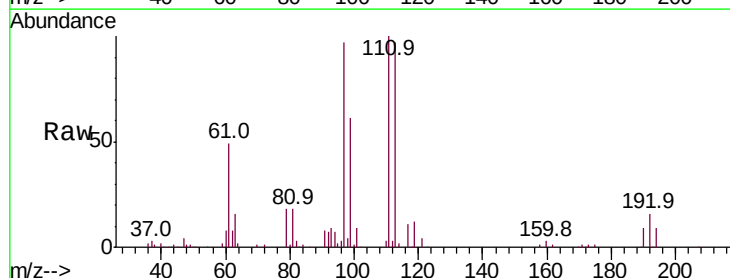
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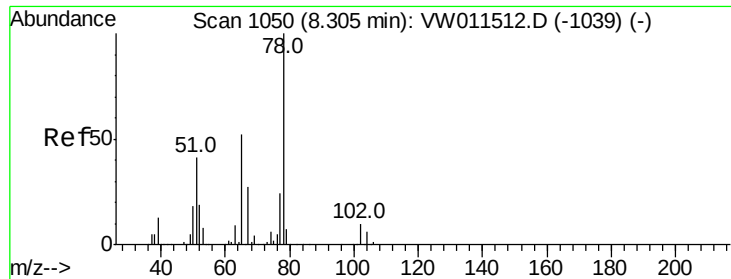
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#32
1,1,1-Trichloroethane
Concen: 20.558 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.0	76.6
61	49.7	39.8	59.6





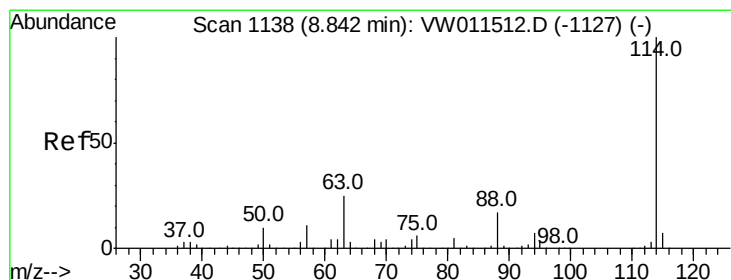
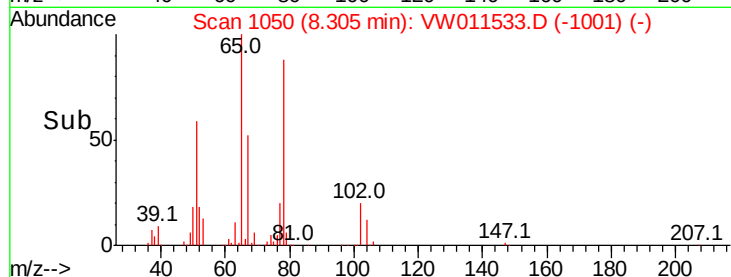
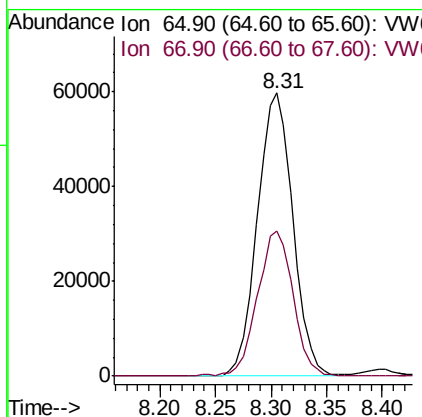
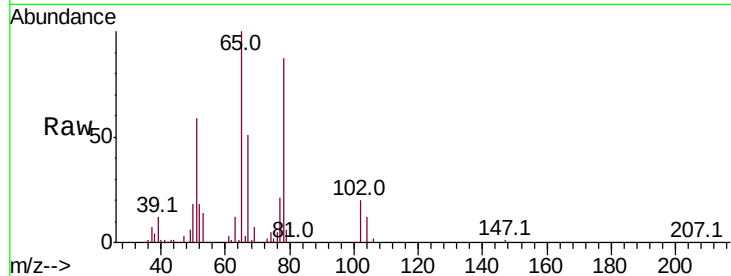
#33
 1,2-Dichloroethane-d4
 Concen: 53.333 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	105.2

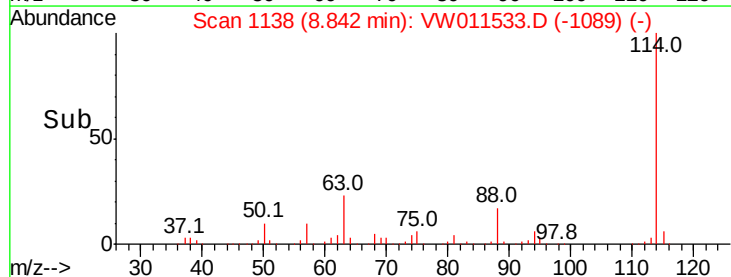
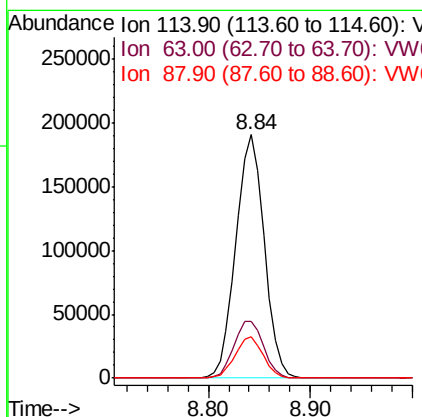
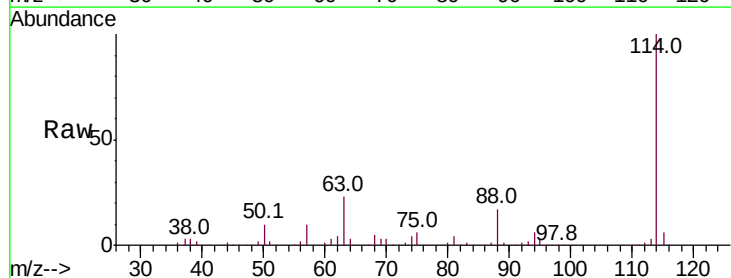
Manual Integrations
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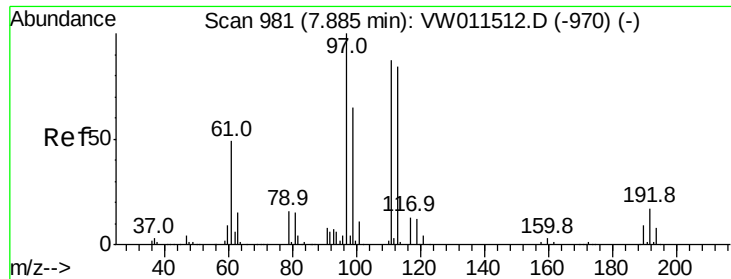
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	49.2
88	17.1	0.0	33.8





#35

Dibromofluoromethane

Concen: 50.394 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

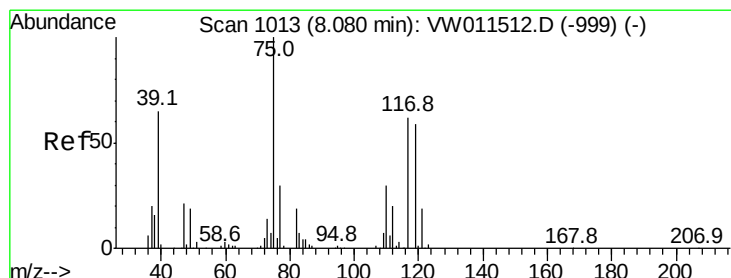
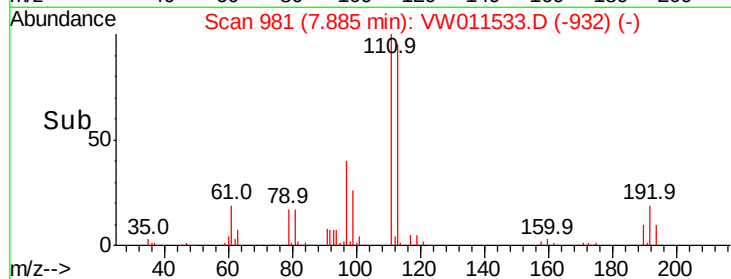
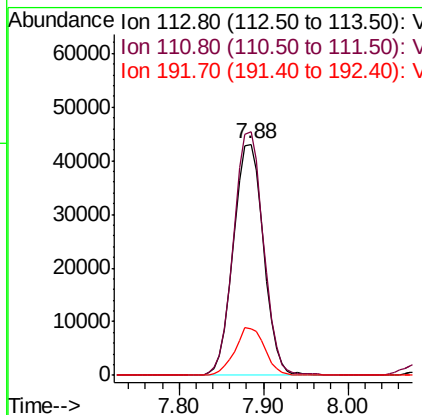
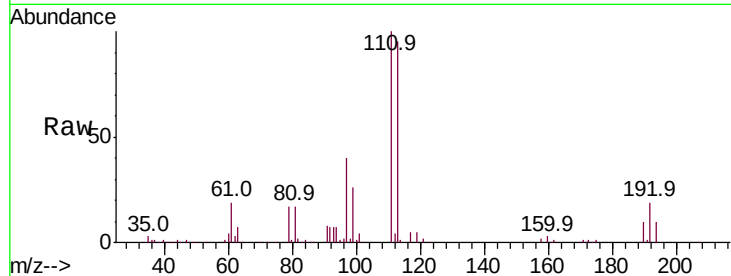
ClientSampleId :

VW0727SBS02

Tot Ion:	113	Resp:	103944
Ion Ratio	Lower	Upper	
113	100		
111	104.5	82.7	124.1
192	20.3	16.1	24.1

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#36

1,1-Dichloropropene

Concen: 19.737 ug/l

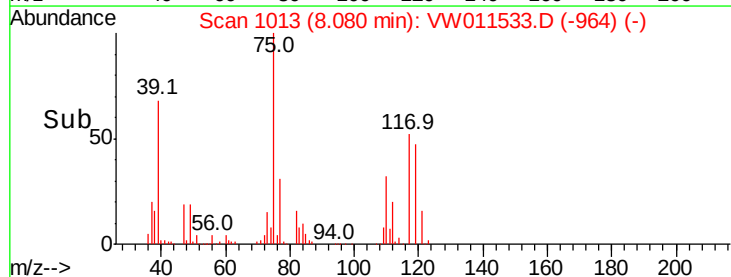
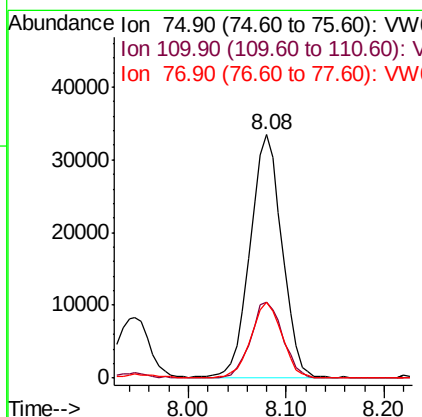
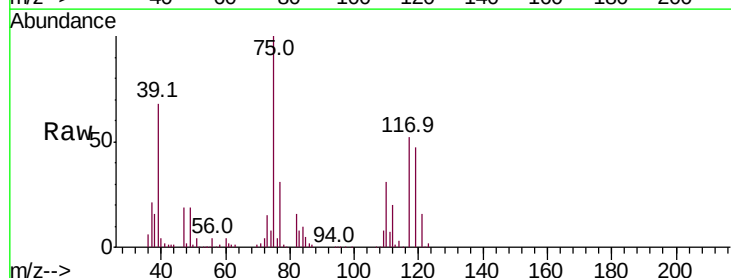
RT: 8.08 min Scan# 1013

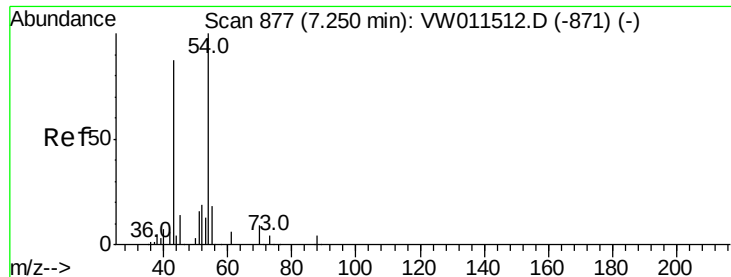
Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Tgt Ion:	75	Resp:	75454
Ion Ratio	Lower	Upper	
75	100		
110	31.4	15.6	46.8
77	30.9	24.3	36.5





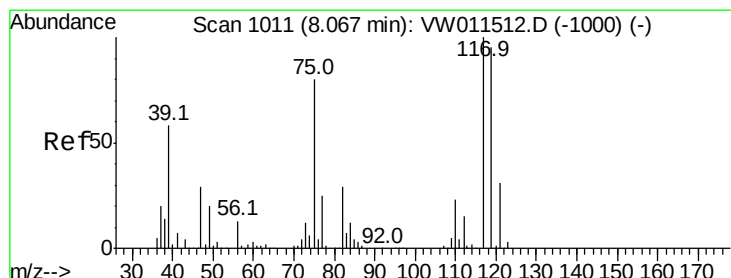
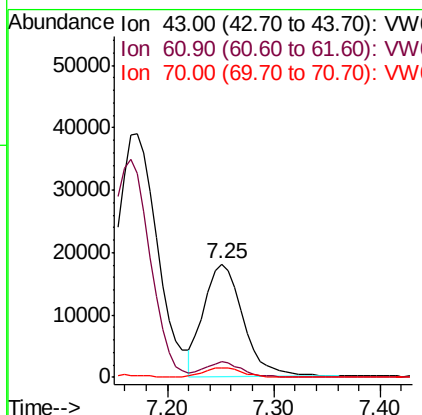
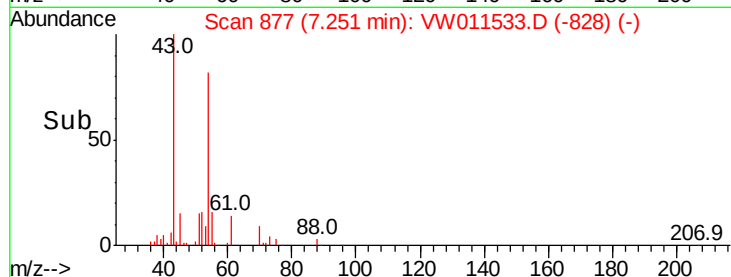
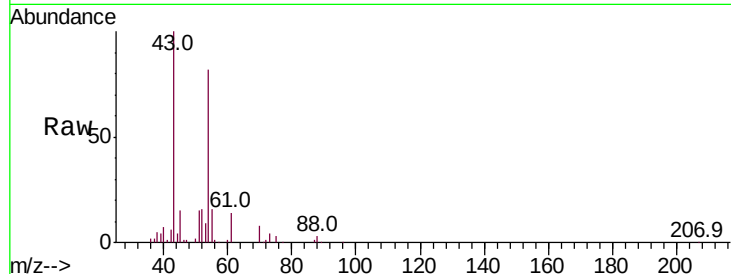
#37
Ethyl Acetate
Concen: 20.899 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion: 43 Resp: 45966
Ion Ratio Lower Upper
43 100
61 13.6 8.8 13.2#
70 8.5 7.1 10.7

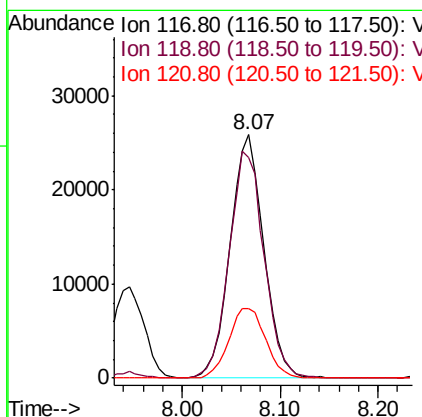
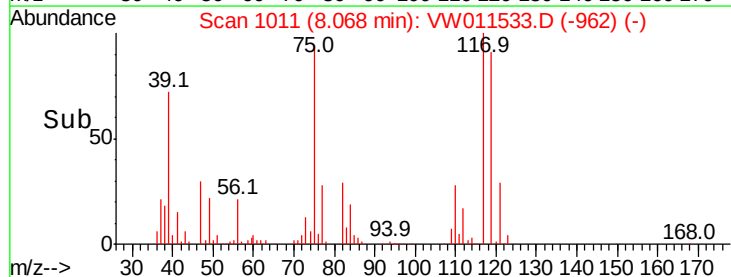
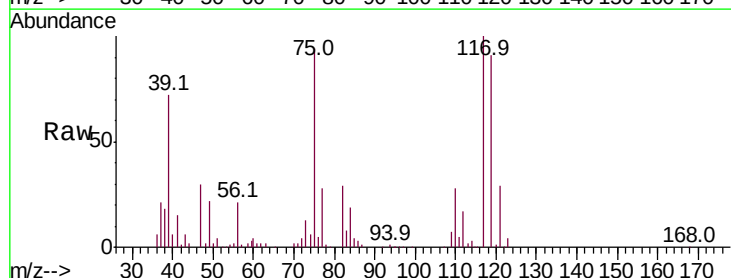
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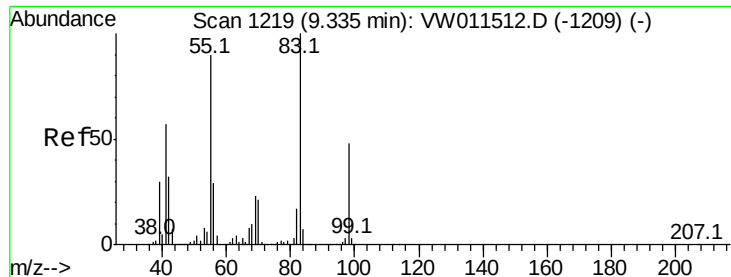
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#38
Carbon Tetrachloride
Concen: 18.833 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion: 117 Resp: 61635
Ion Ratio Lower Upper
117 100
119 90.7 75.8 113.6
121 28.8 24.7 37.1





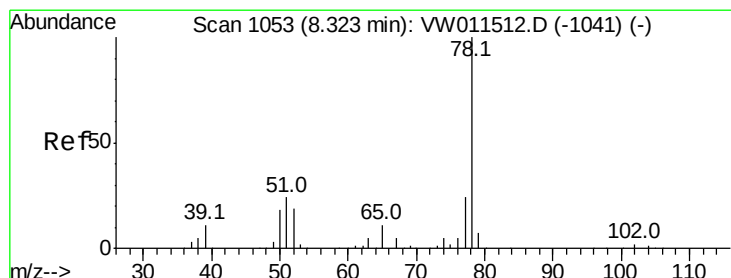
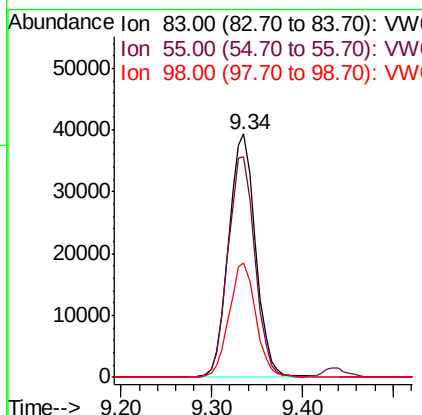
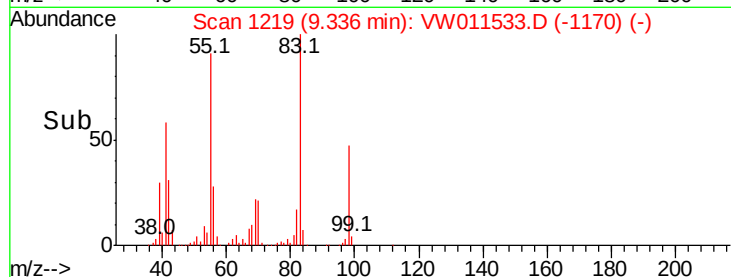
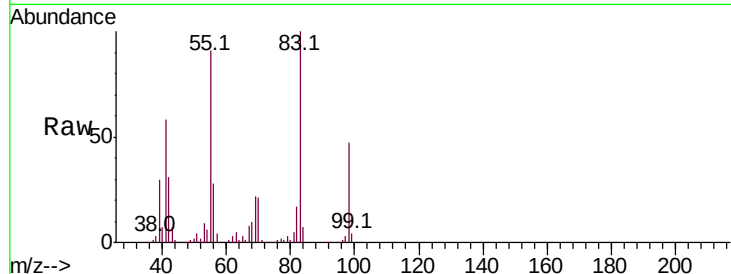
#39
Methylvlcyclohexane
Concen: 19.320 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.7	72.1	108.1
98	47.0	38.6	57.8

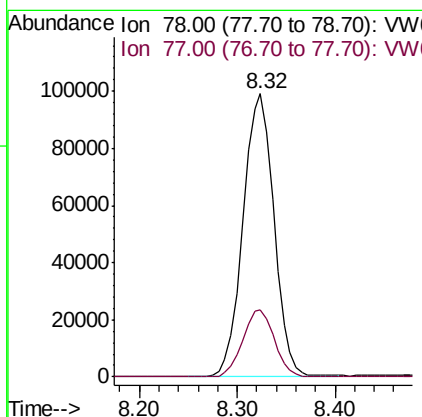
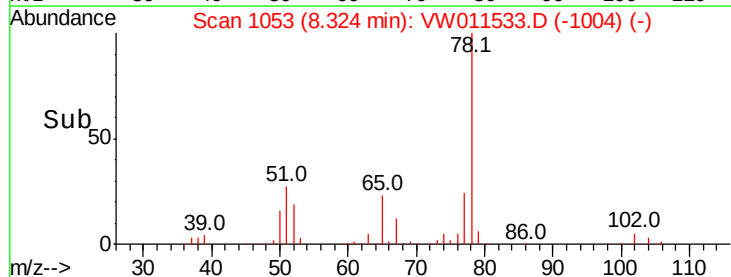
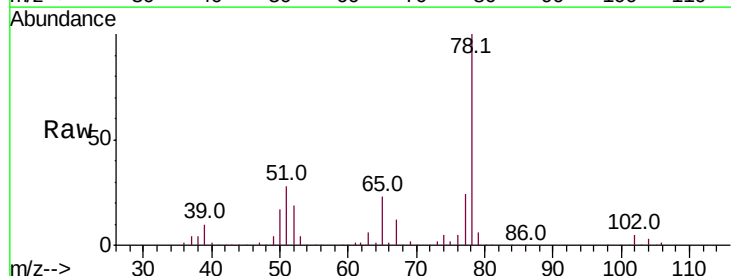
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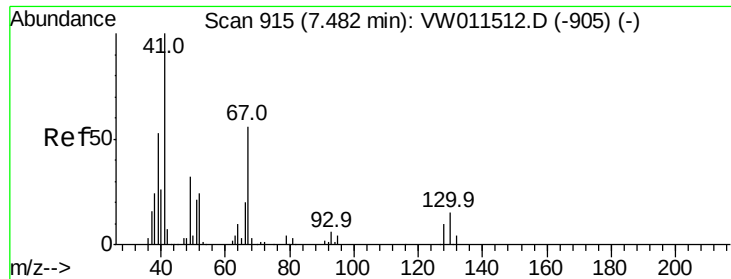
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#40
Benzene
Concen: 20.407 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





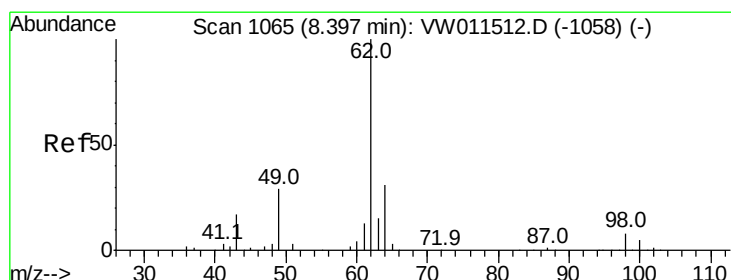
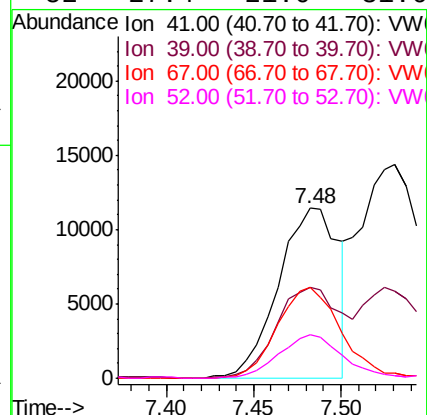
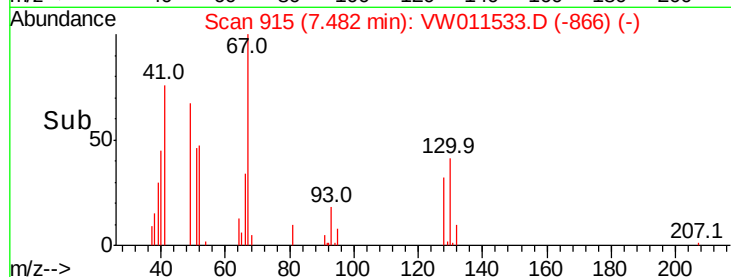
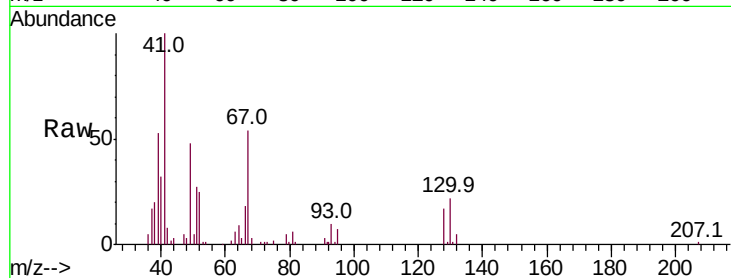
#41
Methacrylonitrile
Concen: 20.912 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.2	43.0	64.4
67	57.5	47.5	71.3
52	27.4	21.0	31.6

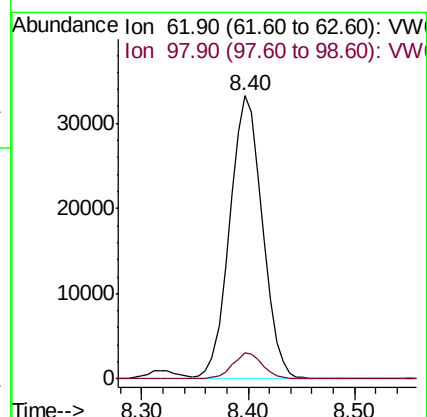
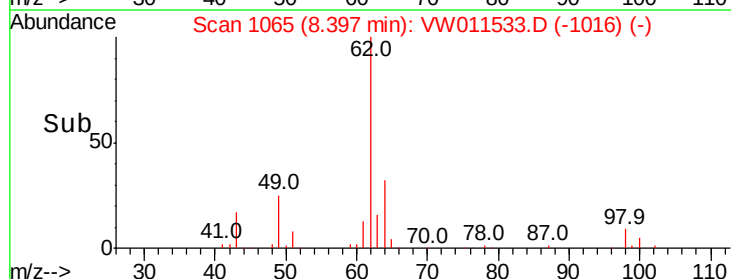
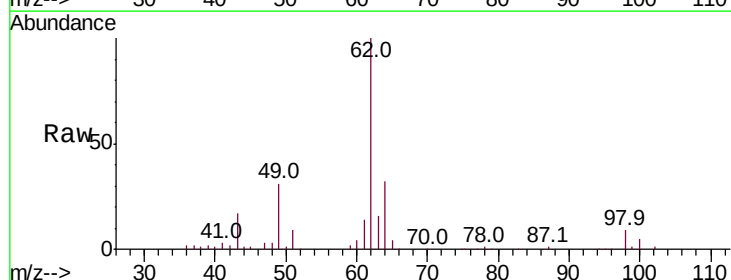
Manual Integrations
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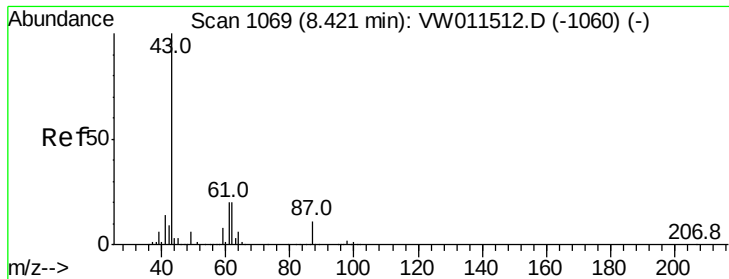
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#42
1,2-Dichloroethane
Concen: 21.426 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 21.299 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

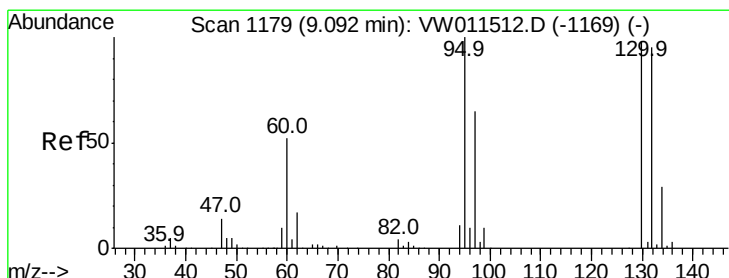
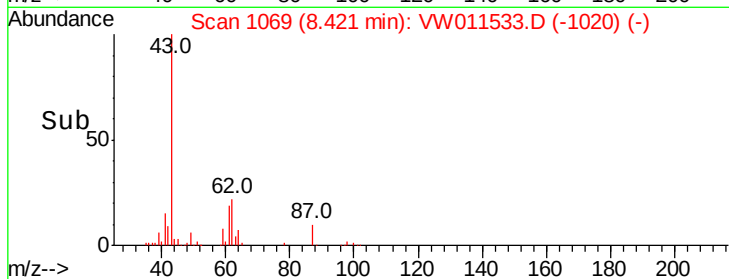
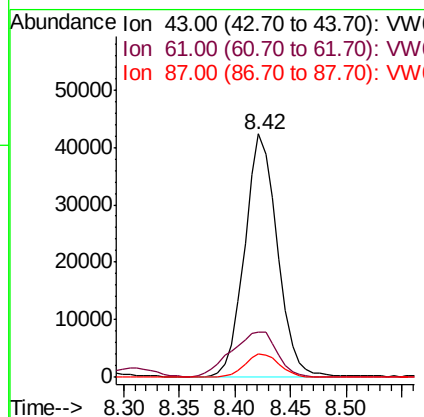
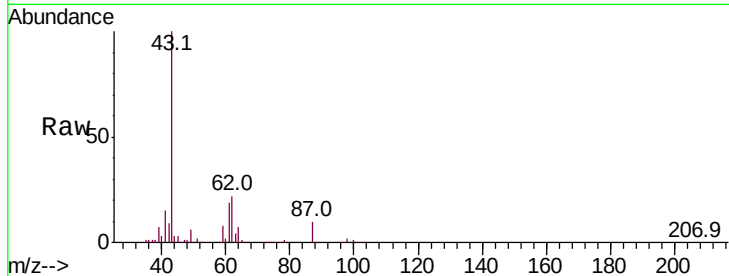
ClientSampleId :

VW0727SBS02

Tot Ion:	43	Resp:	86154
Ion	Ratio	Lower	Upper
43	100		
61	26.5	21.5	32.3
87	10.2	8.4	12.6

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#44

Trichloroethene

Concen: 20.019 ug/l

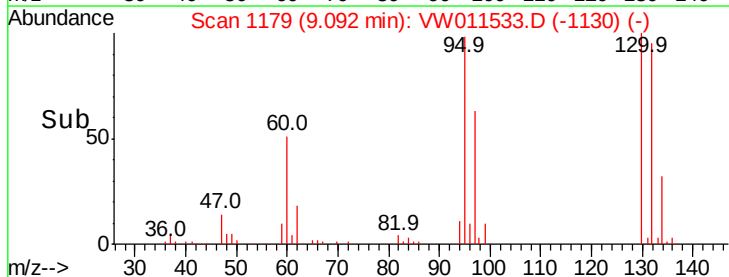
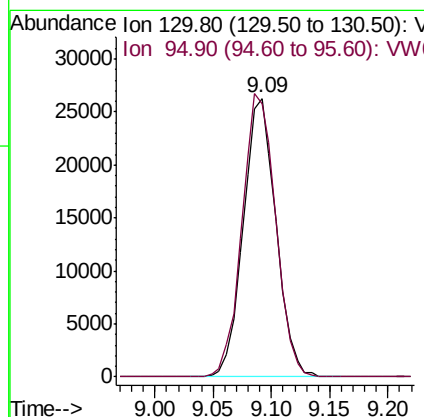
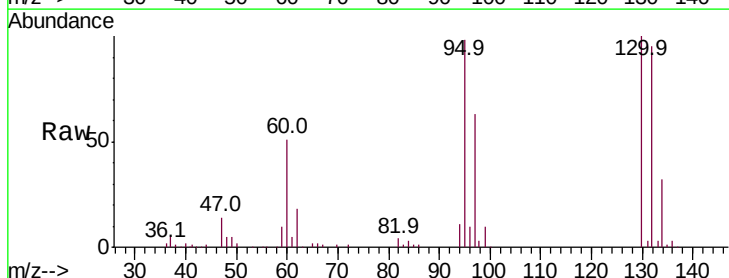
RT: 9.09 min Scan# 1179

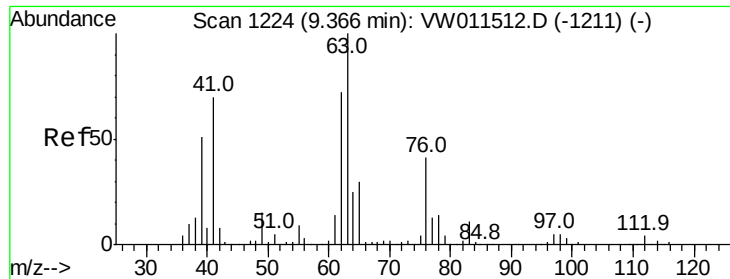
Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Tgt Ion:	130	Resp:	51523
Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	204.8





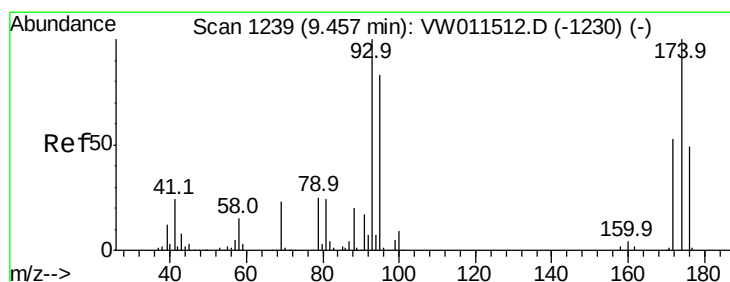
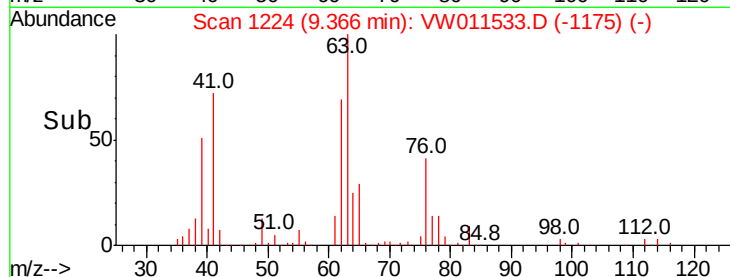
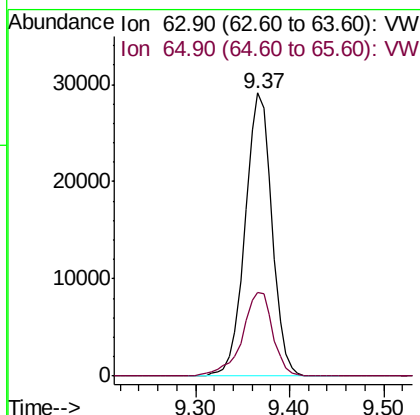
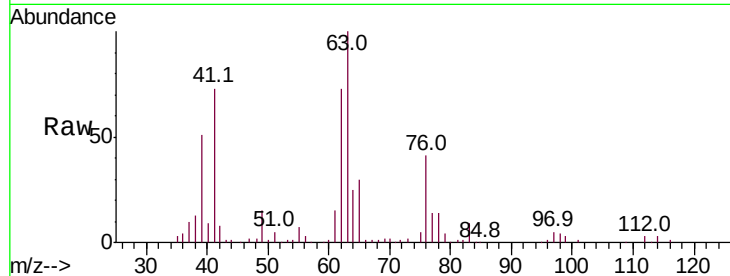
#45
 1,2-Dichloropropane
 Concen: 20.313 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS02

Tot Ion: 63 Resp: 58200
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.2 36.4

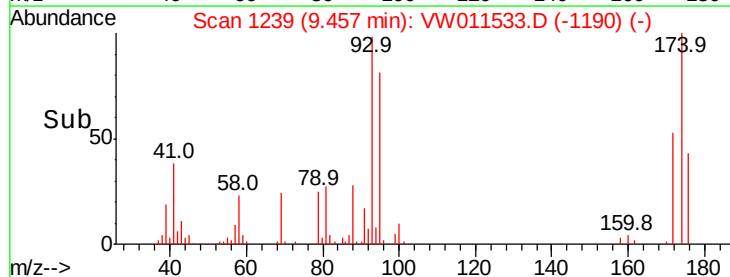
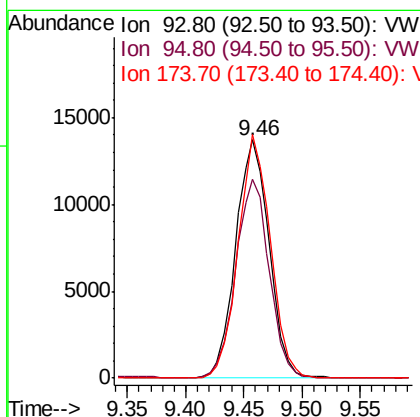
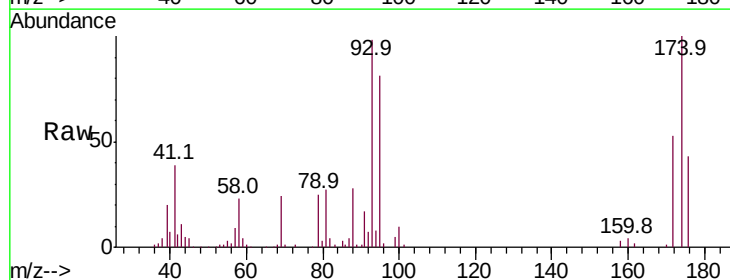
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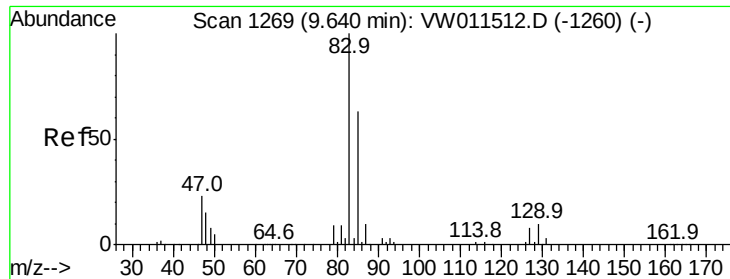
MMDadoda
 7/29/2019 9:19:26 AM



#46
 Dibromomethane
 Concen: 20.941 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Tgt Ion: 93 Resp: 27385
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.2 99.2
 174 98.3 78.2 117.4





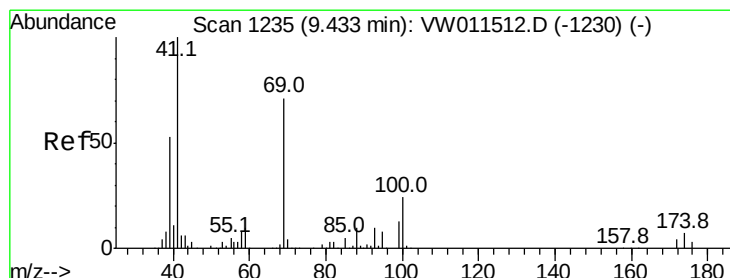
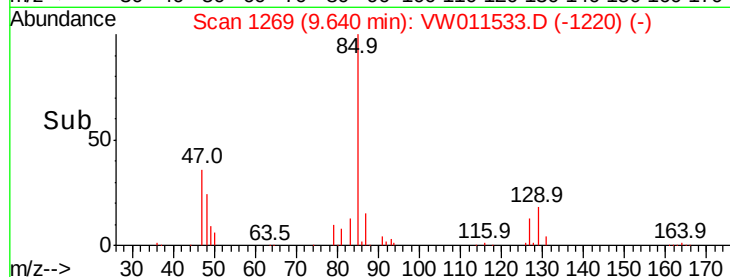
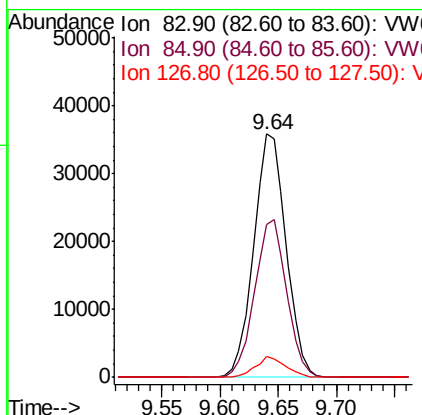
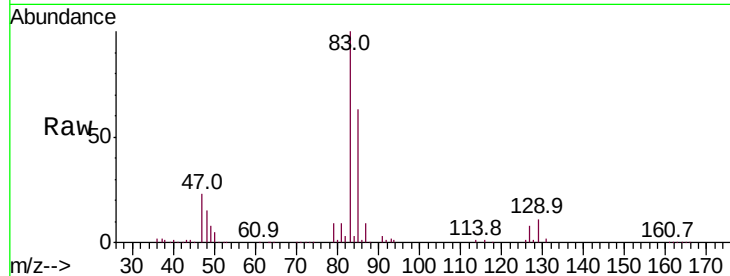
#47
Bromodichloromethane
Concen: 20.116 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	83	Resp	69005
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	50.5	75.7
127	8.4	6.4	9.6

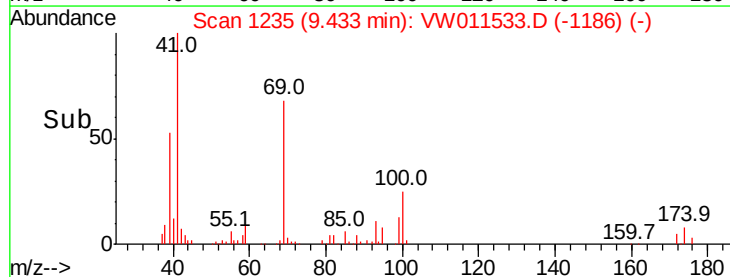
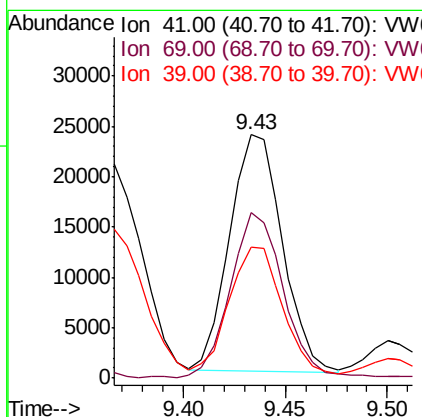
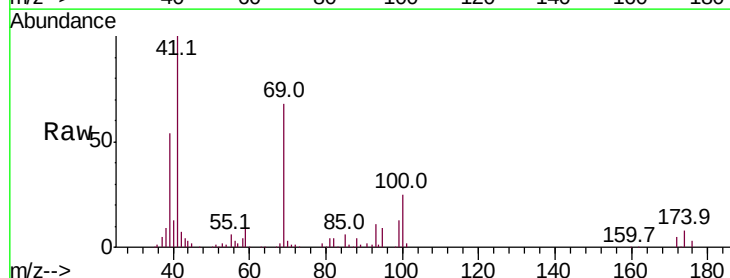
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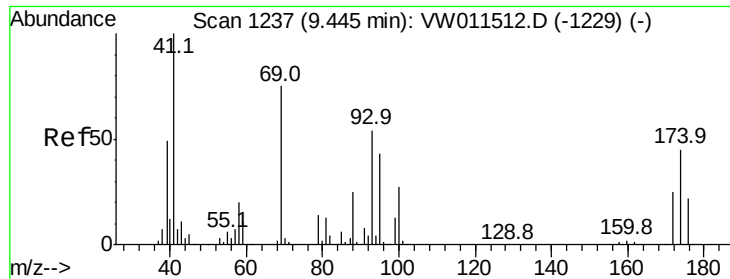
MMDadoda
7/29/2019 9:19:26 AM



#48
Methyl methacrylate
Concen: 21.722 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion	41	Resp	42206
Ion Ratio	100	Lower	Upper
41	100		
69	71.4	57.1	85.7
39	57.8	45.4	68.2





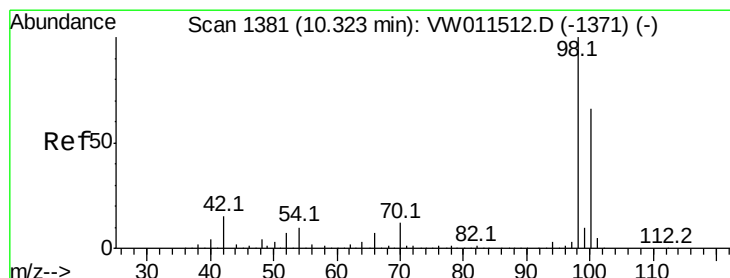
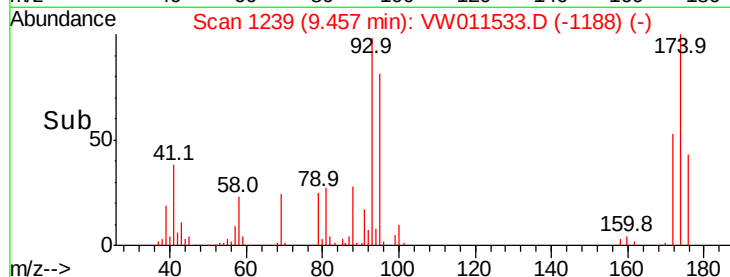
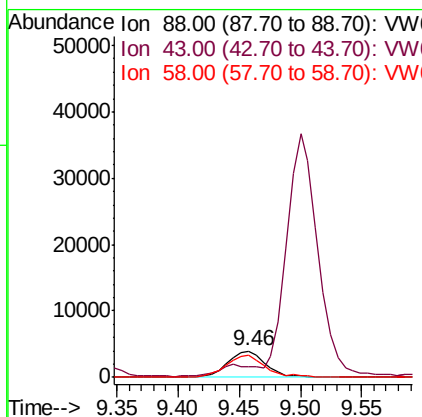
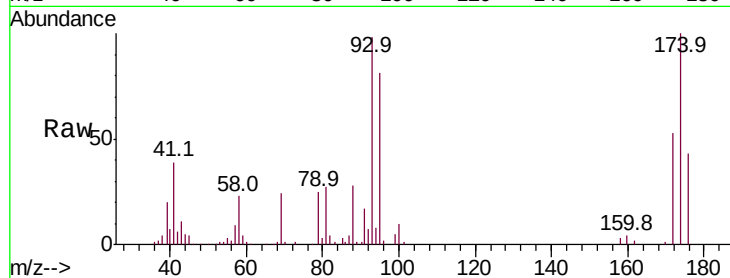
#49
1,4-Dioxane
Concen: 450.541 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.1	34.0	51.0
58	88.5	69.7	104.5

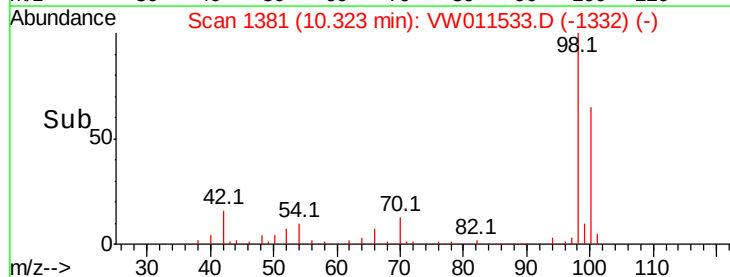
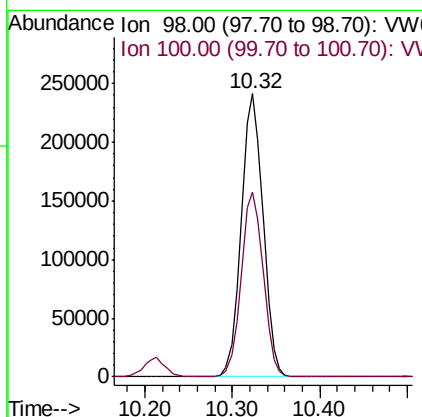
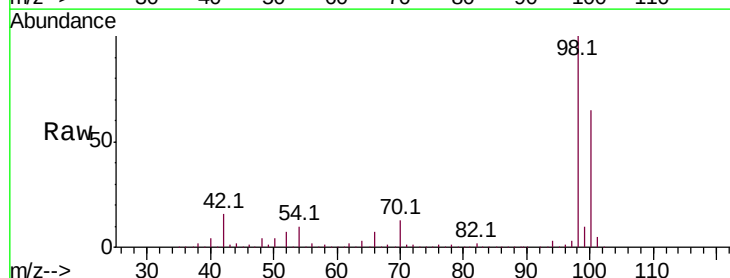
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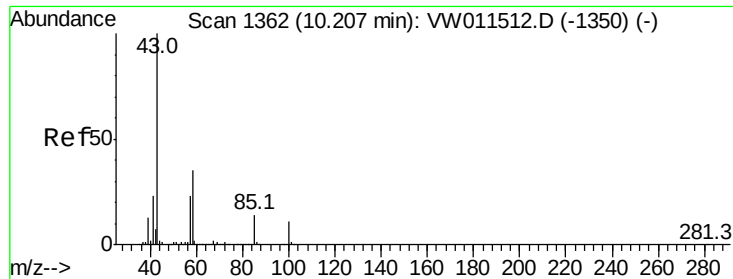
MMDadoda
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#50
Toluene-d8
Concen: 49.594 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 108.797 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion: 43 Resp: 228906

Ion Ratio Lower Upper

43 100

58 34.9

28.2

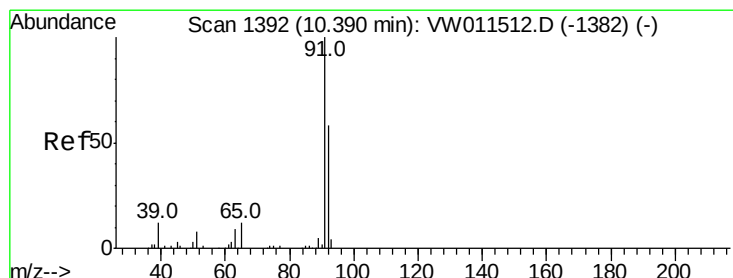
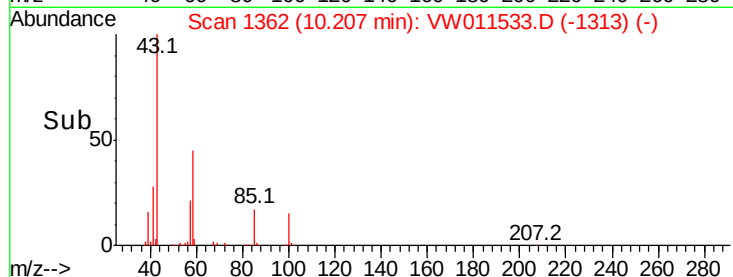
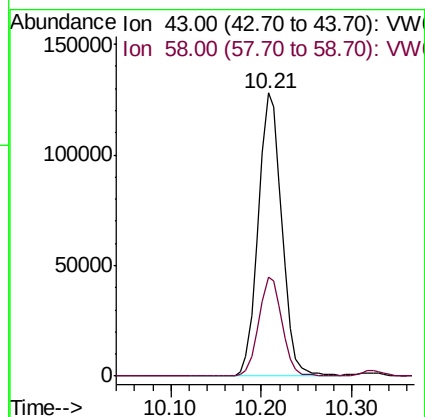
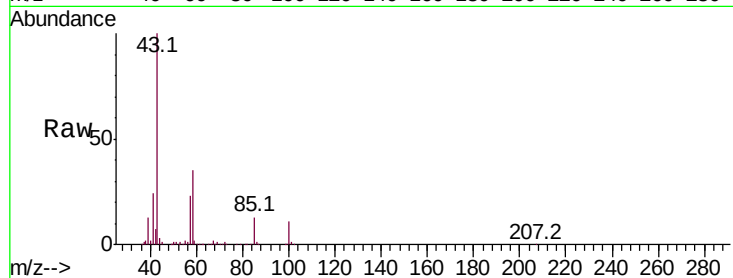
42.2

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 20.386 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Tgt Ion: 92 Resp: 131828

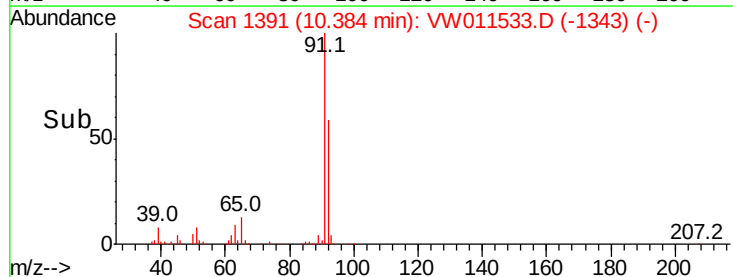
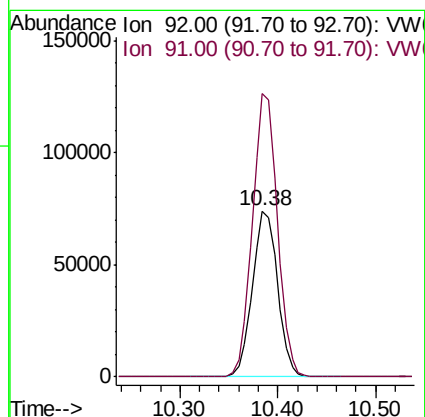
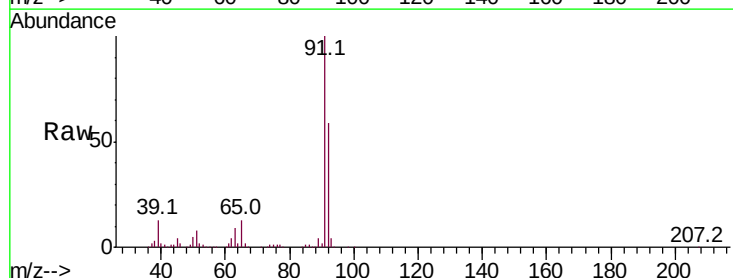
Ion Ratio Lower Upper

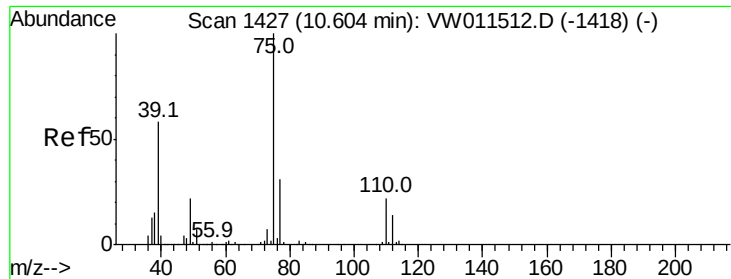
92 100

91 169.9

136.7

205.1





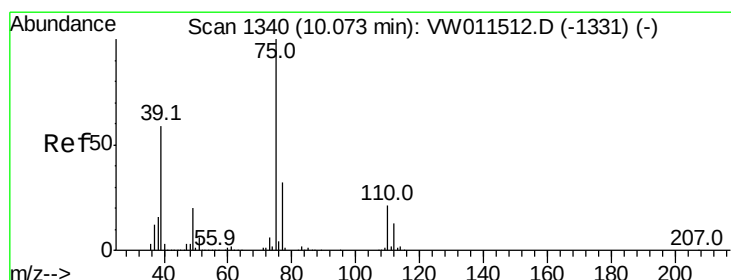
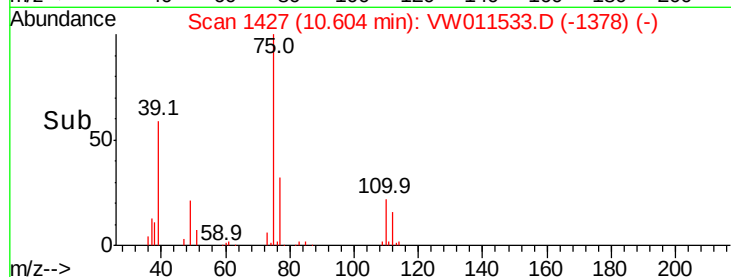
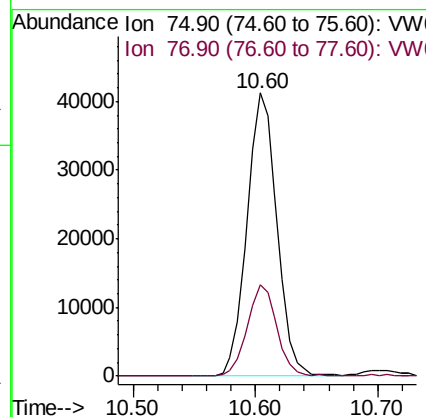
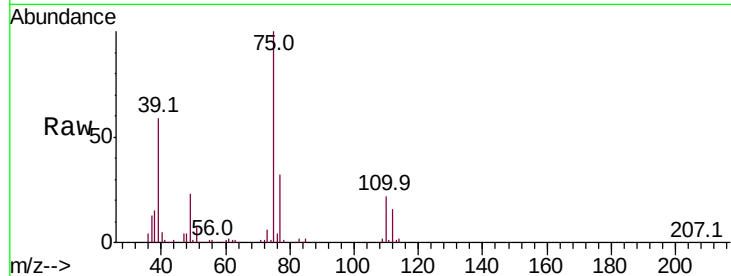
#53
 t-1,3-Dichloropropene
 Concen: 19.532 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS02

Tot Ion: 75 Resp: 69990
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.0 37.4

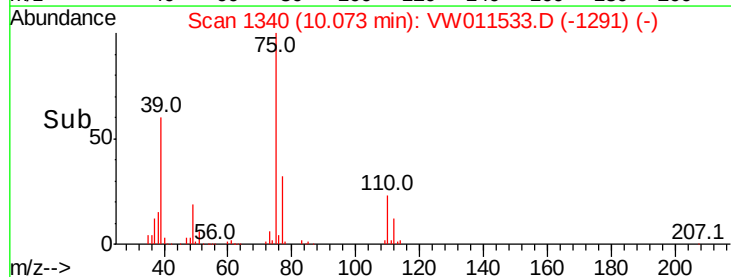
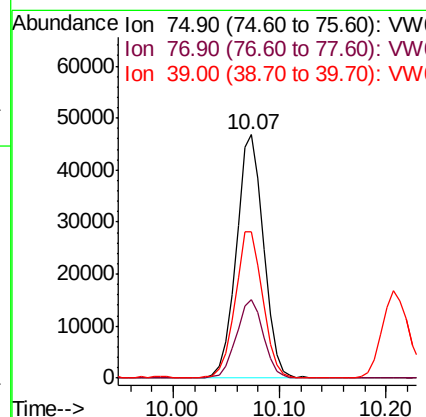
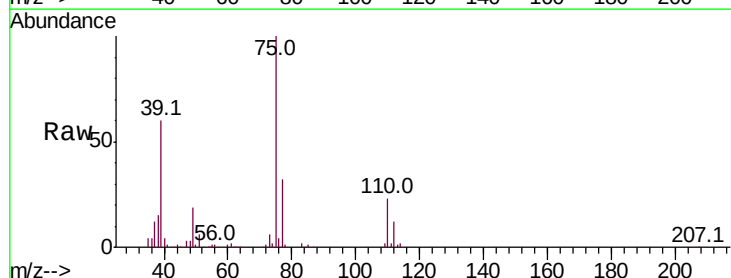
Manual Integrations
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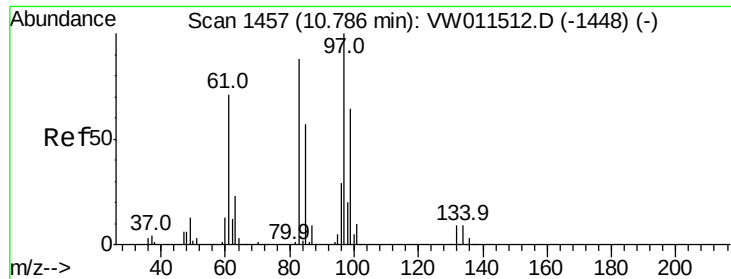
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#54
 cis-1,3-Dichloropropene
 Concen: 19.671 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Tgt Ion: 75 Resp: 83811
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.6 38.4
 39 60.0 47.0 70.4





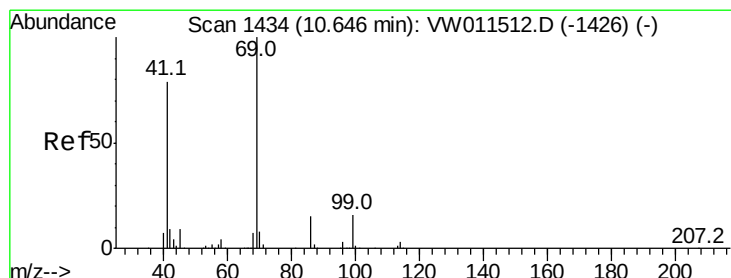
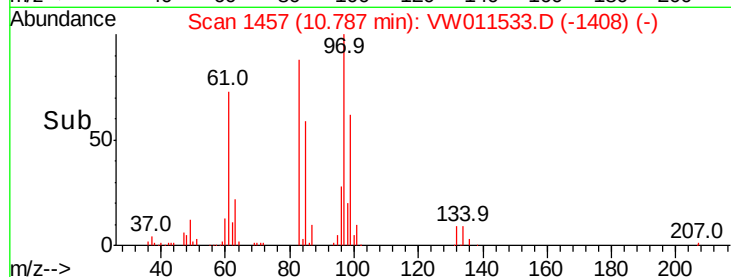
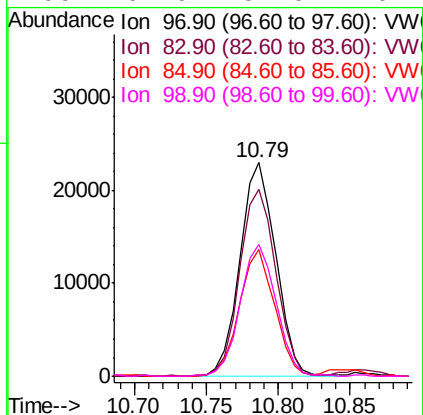
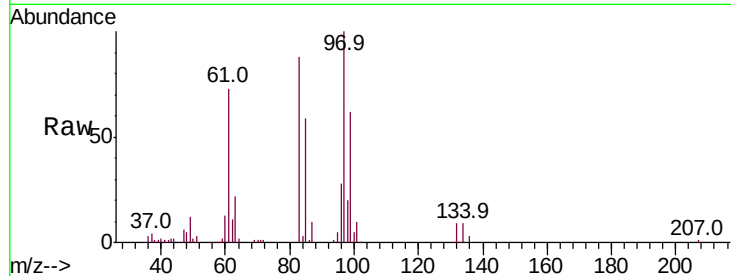
#55
 1,1,2-Trichloroethane
 Concen: 21.333 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS02

Tot Ion	Ratio	Resp	Lower	Upper
97	100	39583		
83	87.7	70.5	105.7	
85	59.3	45.8	68.6	
99	61.9	51.0	76.4	

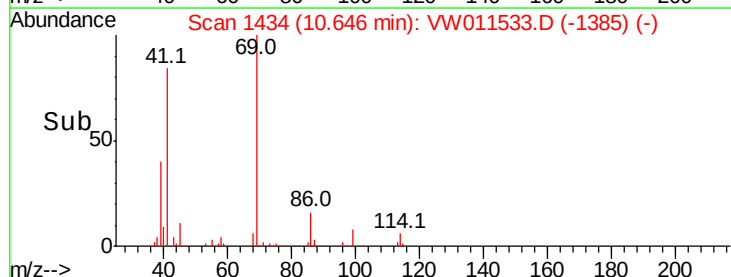
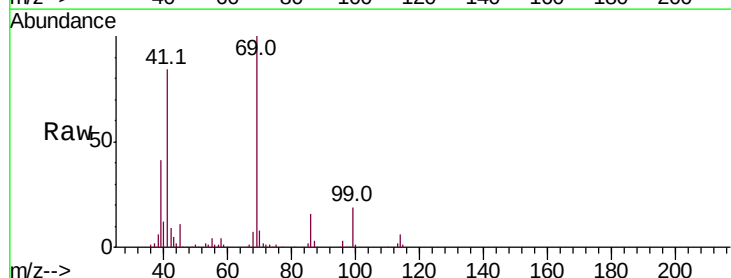
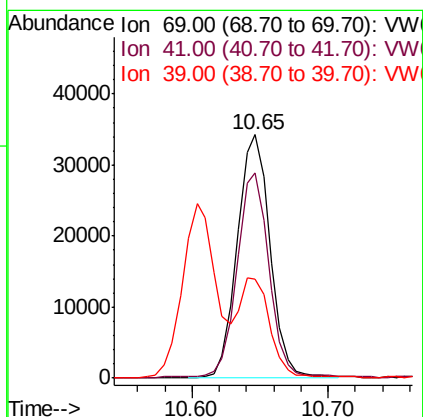
Manual Integrations
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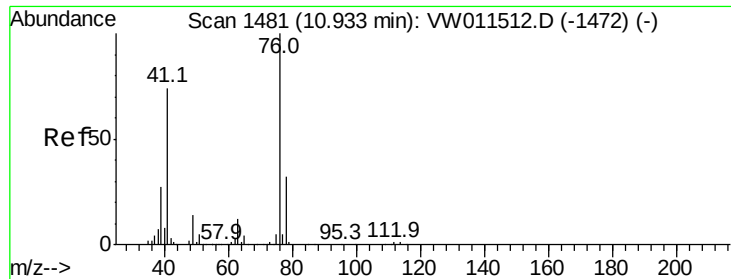
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#56
 Ethyl methacrylate
 Concen: 21.283 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	57786		
41	82.9	66.6	99.8	
39	37.9	30.3	45.5	





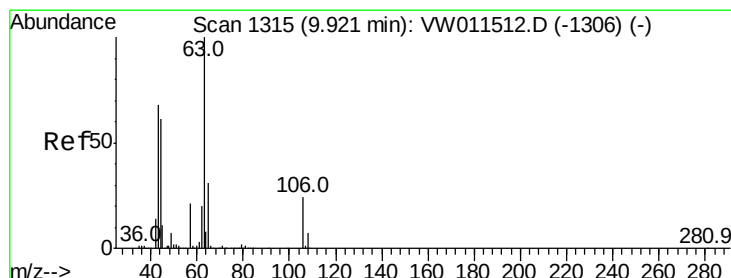
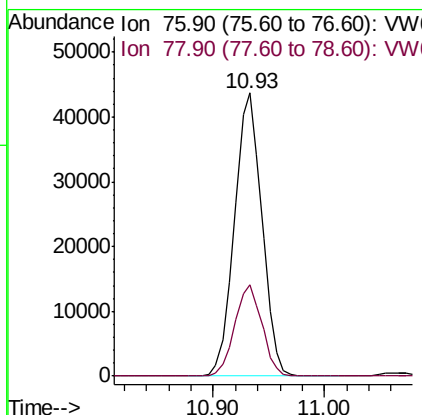
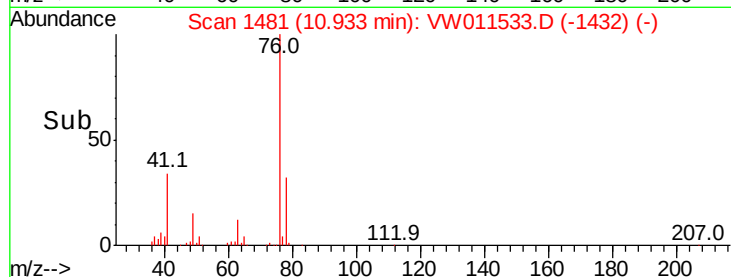
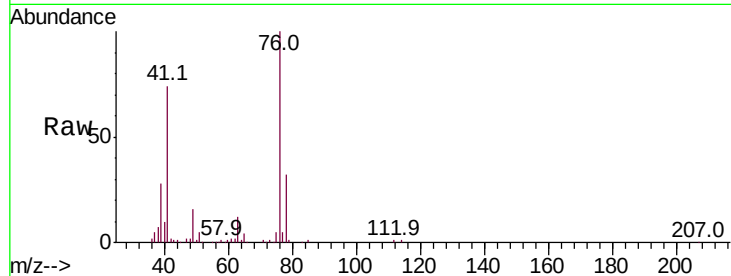
#57
 1,3-Dichloropropane
 Concen: 21.209 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS02

Tot Ion: 76 Resp: 74451
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8

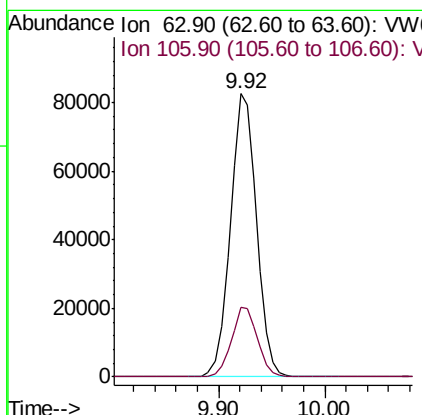
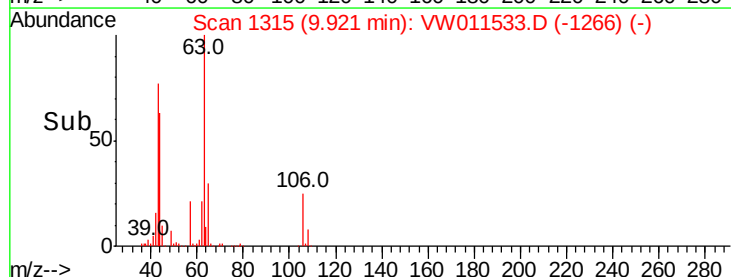
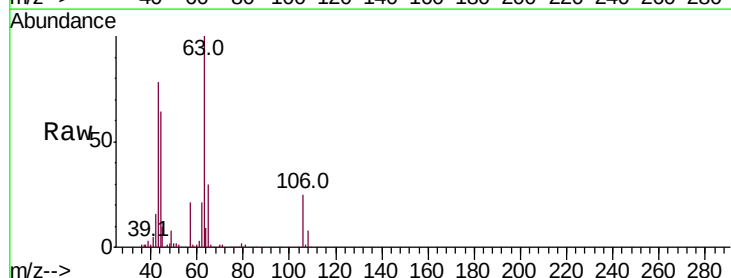
Manual Integrations
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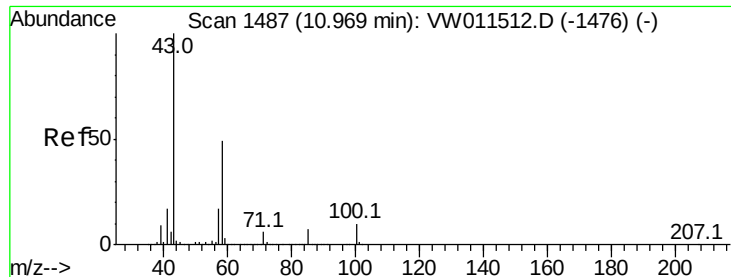
MMDadoda
 7/29/2019 9:19:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.188 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Tgt Ion: 63 Resp: 142002
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5





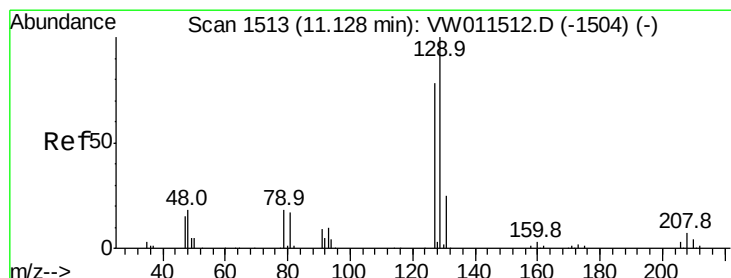
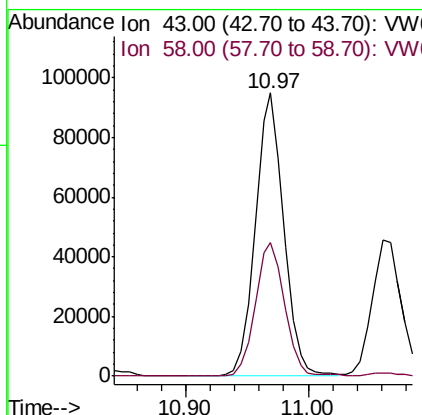
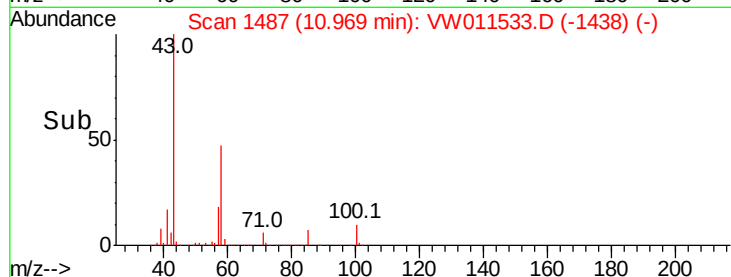
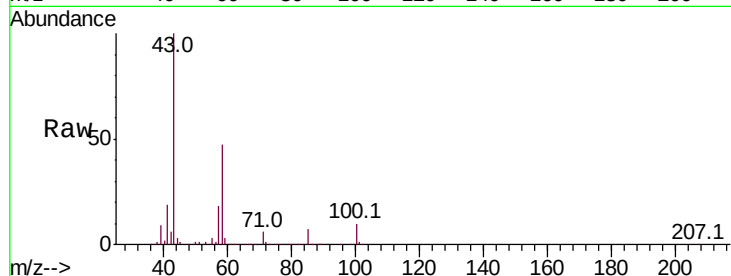
#59
2-Hexanone
Concen: 102.816 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion: 43 Resp: 152738
Ion Ratio Lower Upper
43 100
58 48.8 24.3 72.9

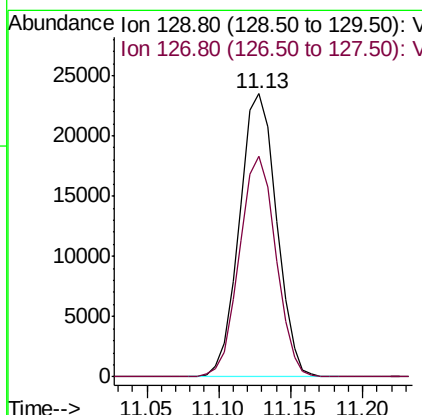
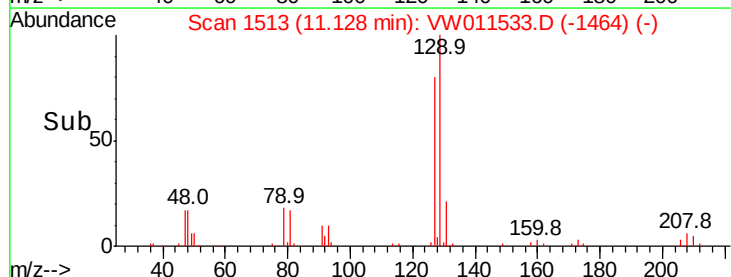
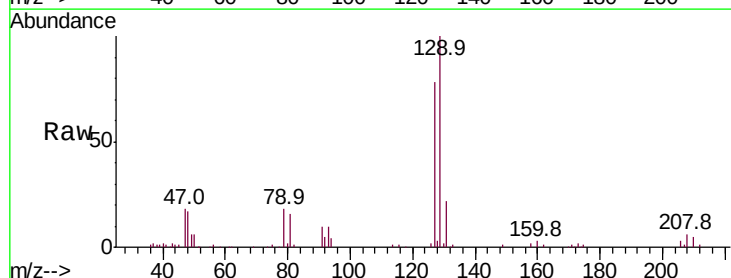
Manual Integrations
APPROVED

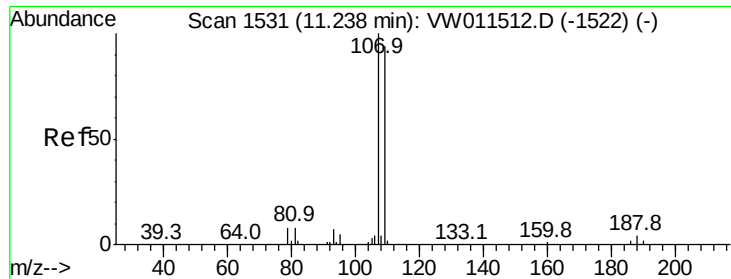
MMDadoda
7/29/2019 9:19:26 AM



#60
Dibromochloromethane
Concen: 20.411 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion: 129 Resp: 42038
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





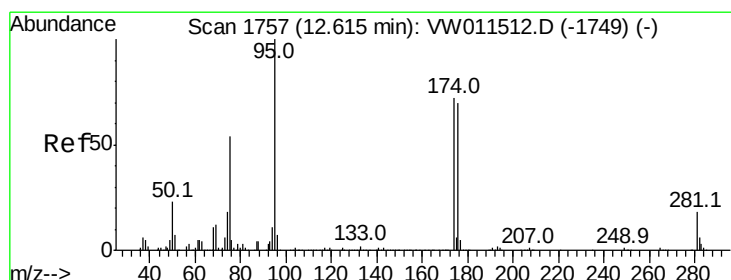
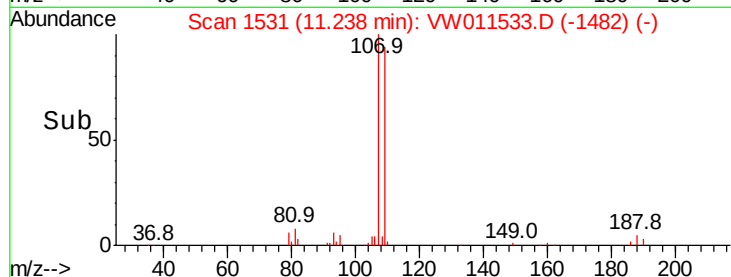
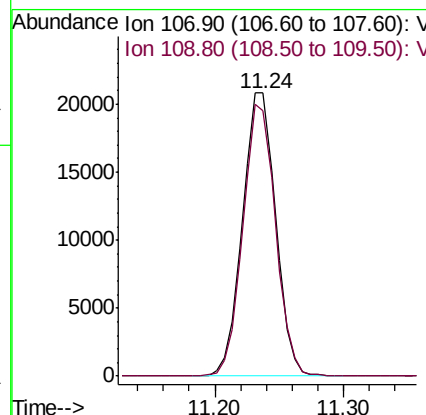
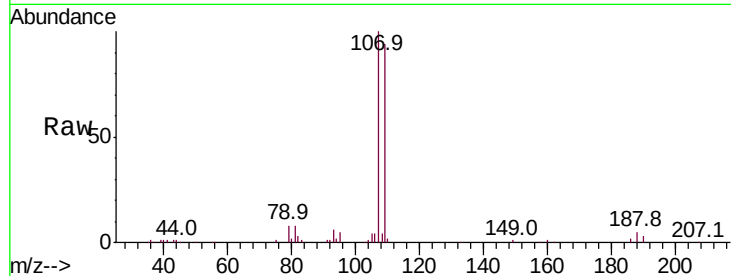
#61
 1,2-Dibromoethane
 Concen: 21.129 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS02

Tot Ion:107 Resp: 37101
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.0 112.6

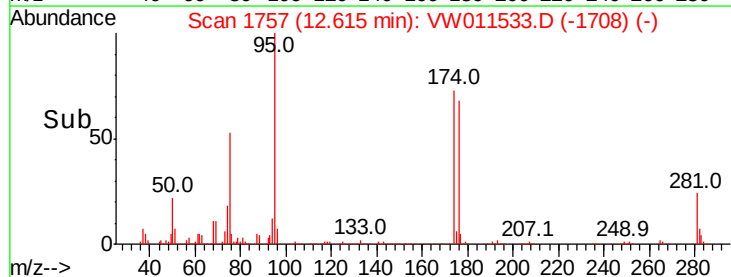
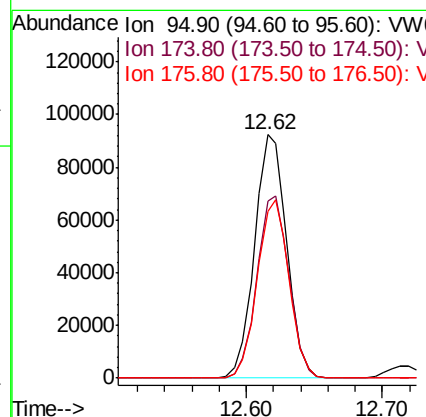
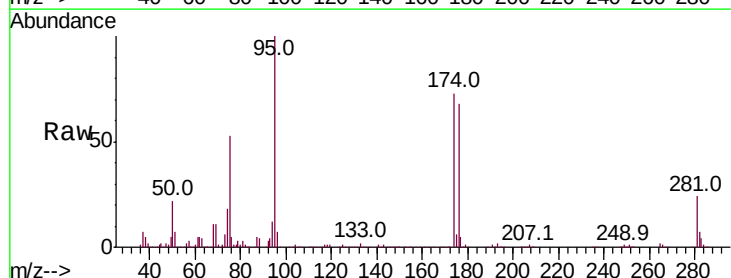
Manual Integrations
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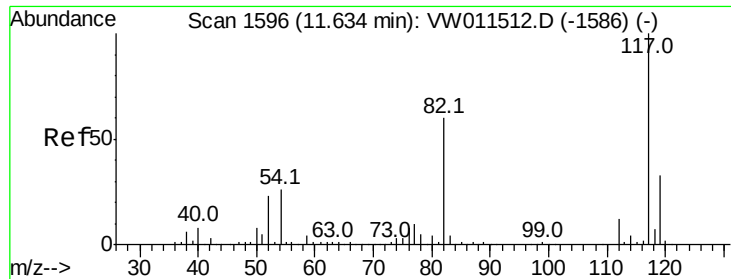
MMDadoda
 7/29/2019 9:19:26 AM



#62
 4-Bromofluorobenzene
 Concen: 50.655 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Tgt Ion: 95 Resp: 152511
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 150.2
 176 72.8 0.0 144.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

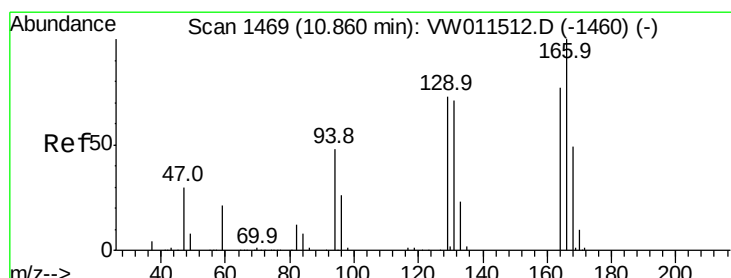
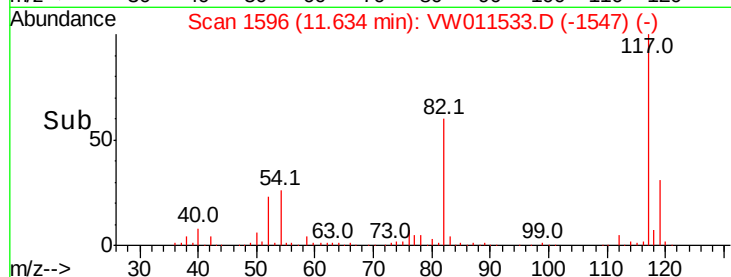
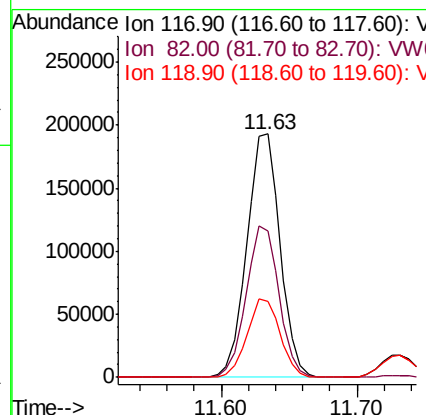
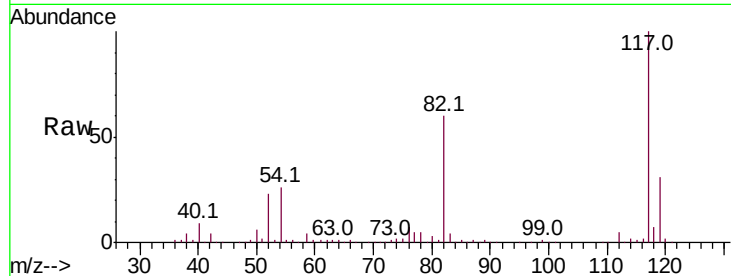
ClientSampleId :

VW0727SBS02

Tot Ion:	117	Resp:	330345
Ion Ratio	Lower	Upper	
117	100		
82	59.9	47.9	71.9
119	31.3	26.2	39.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 20.414 ug/l

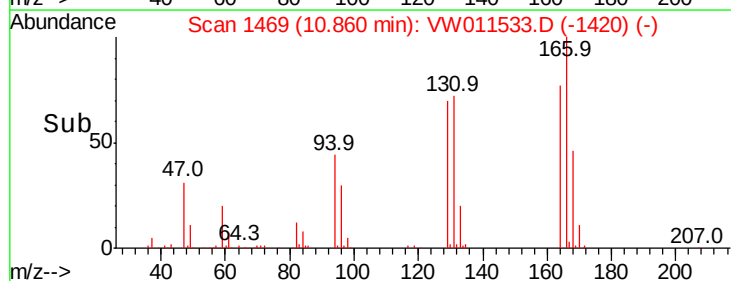
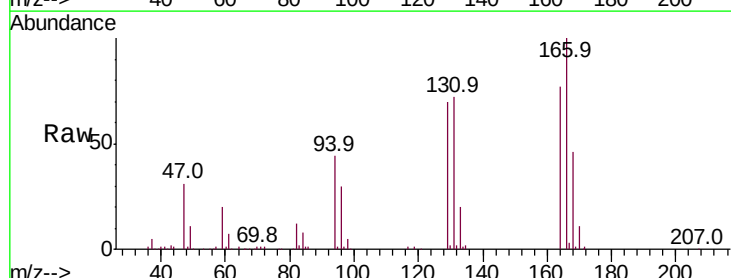
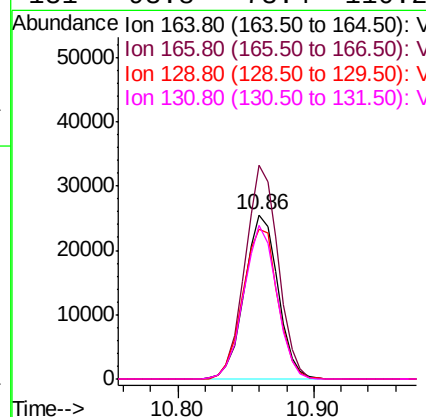
RT: 10.86 min Scan# 1469

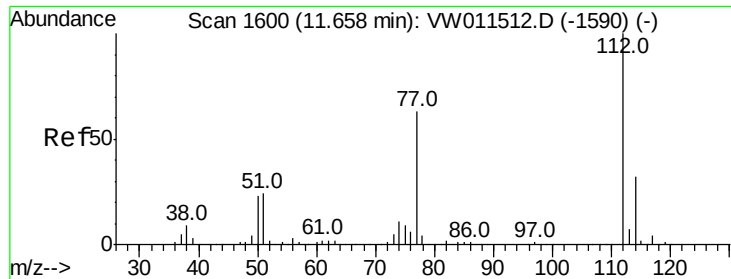
Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Tgt Ion:	164	Resp:	43908
Ion Ratio	Lower	Upper	
164	100		
166	130.3	103.5	155.3
129	91.3	75.2	112.8
131	93.8	73.4	110.2





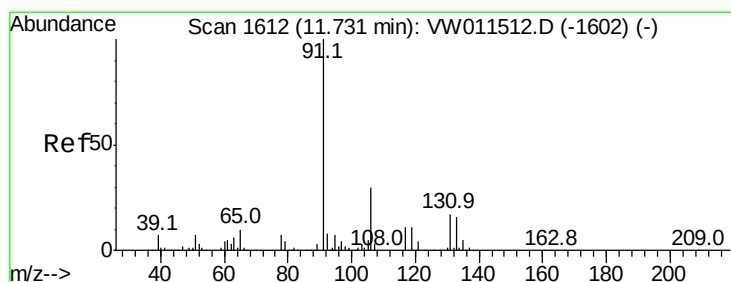
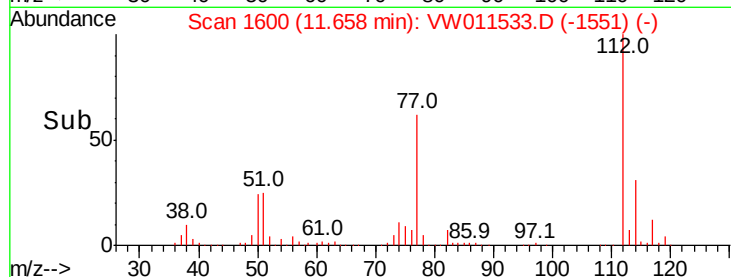
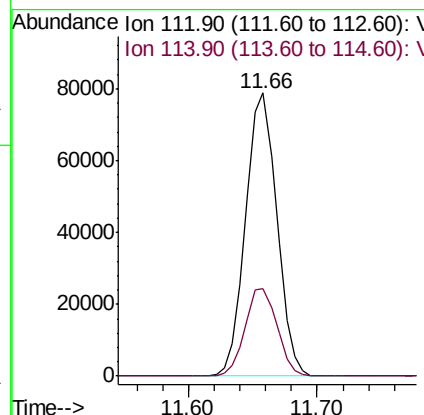
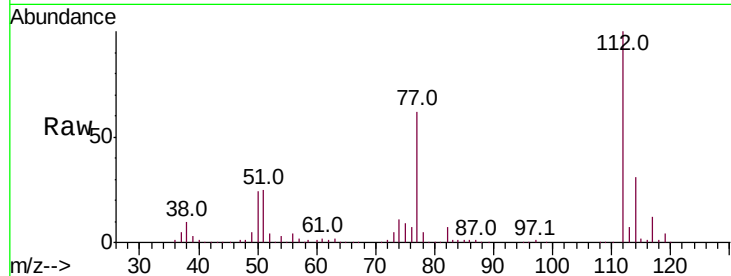
#65
Chlorobenzene
Concen: 19.916 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion:112 Resp: 132271
Ion Ratio Lower Upper
112 100
114 31.1 25.6 38.4

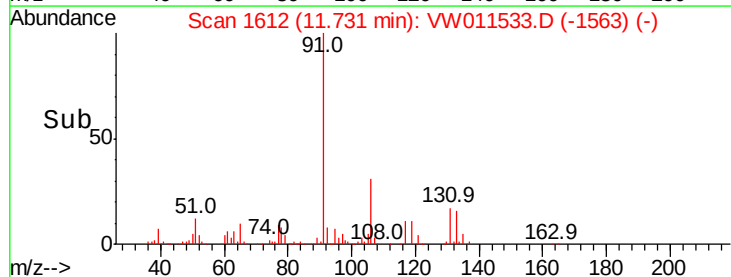
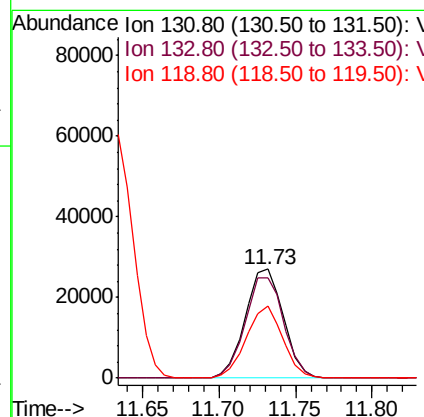
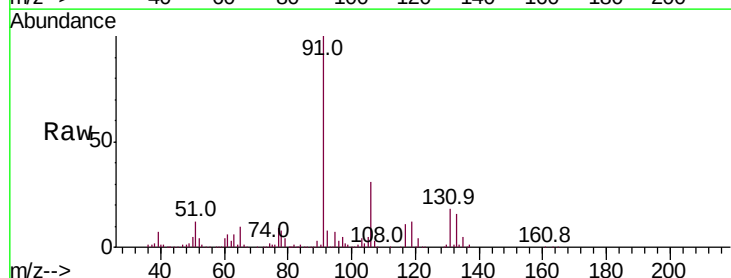
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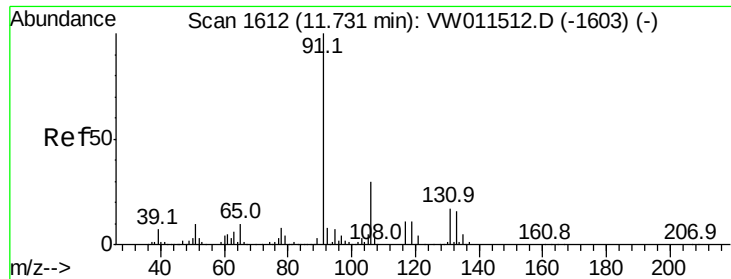
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.226 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion:131 Resp: 46790
Ion Ratio Lower Upper
131 100
133 94.1 47.4 142.2
119 63.7 32.3 96.9





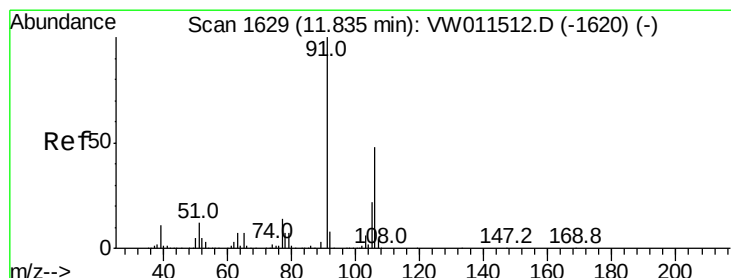
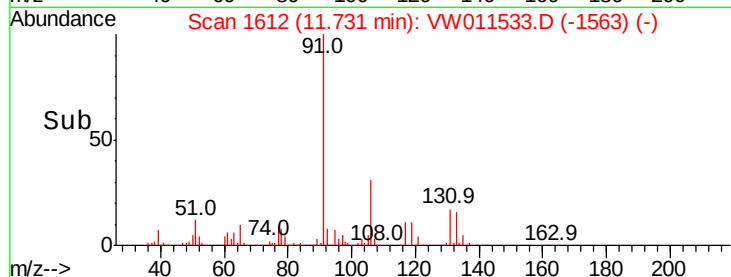
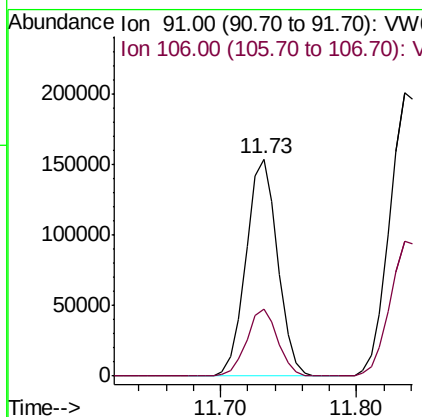
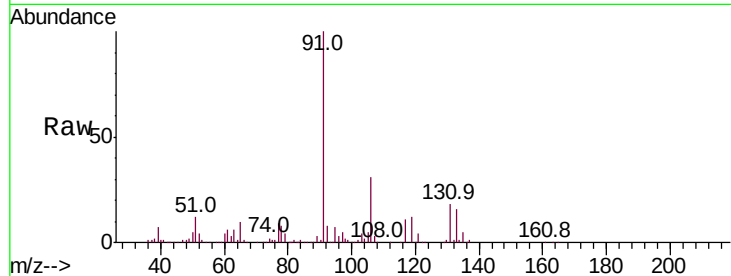
#67
Ethyl Benzene
Concen: 19.726 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.8	35.6

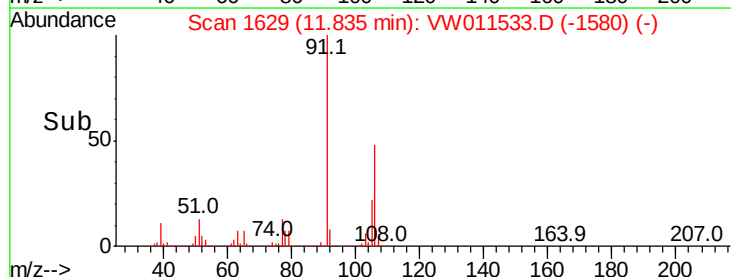
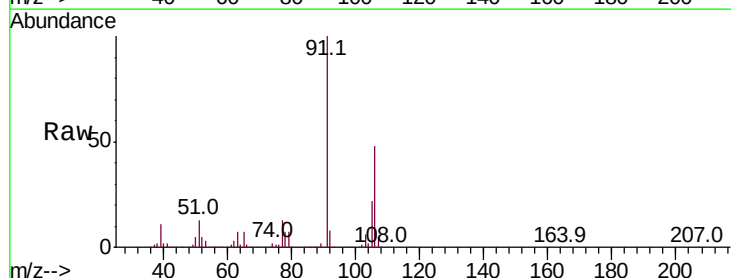
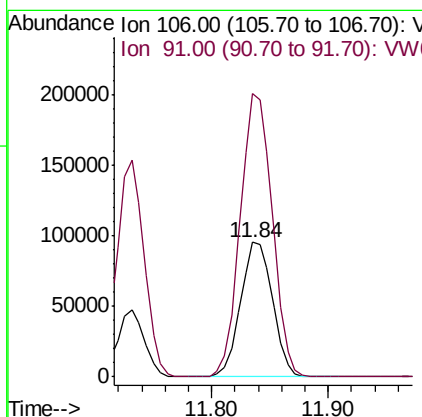
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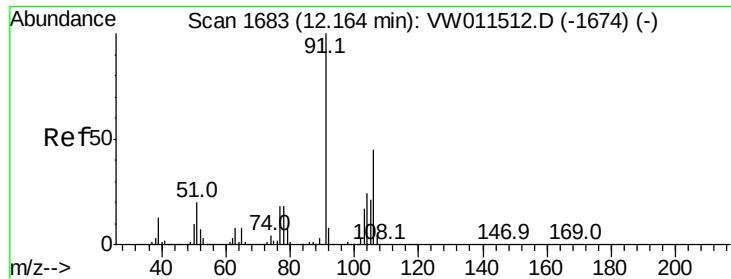
MMDadoda
7/29/2019 9:19:26 AM



#68
m/p-Xylenes
Concen: 39.878 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.1	168.2	252.2





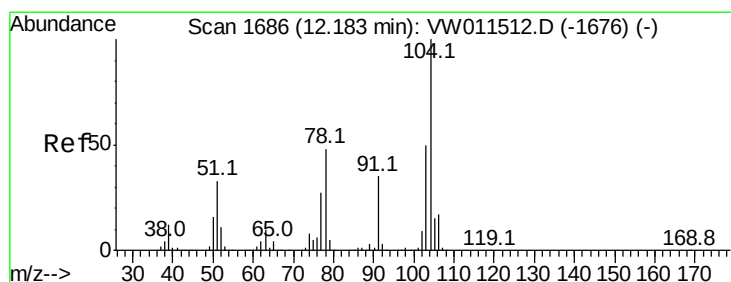
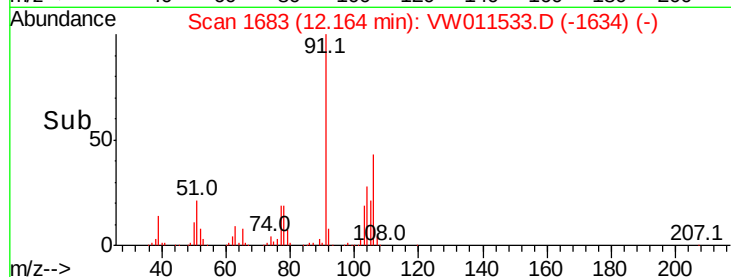
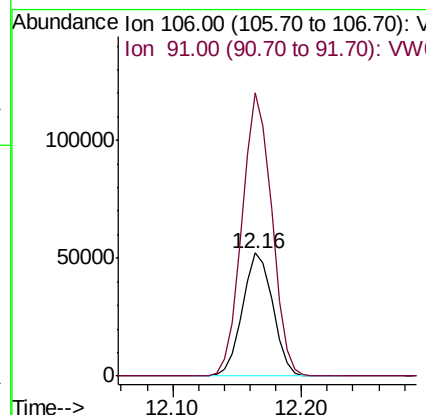
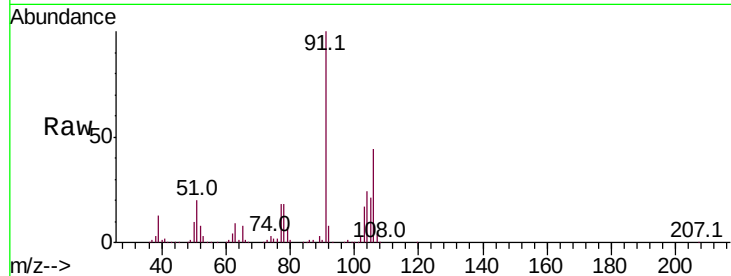
#69
o-Xylene
Concen: 19.930 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampled :
VW0727SBS02

Tot Ion:106 Resp: 85193
Ion Ratio Lower Upper
106 100
91 225.6 110.5 331.5

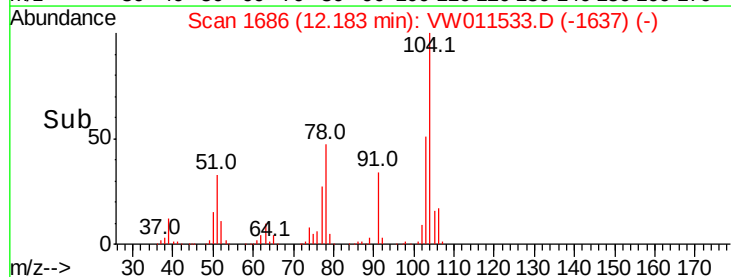
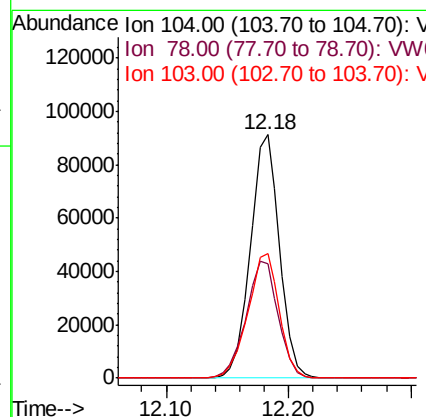
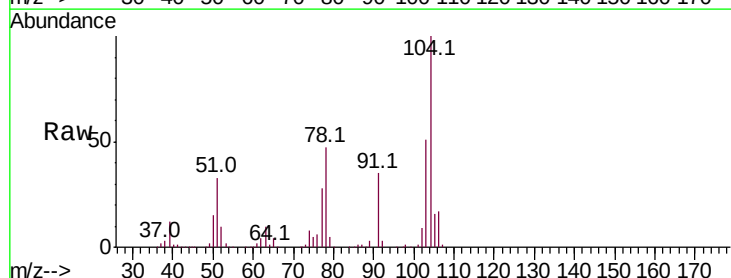
Manual Integrations
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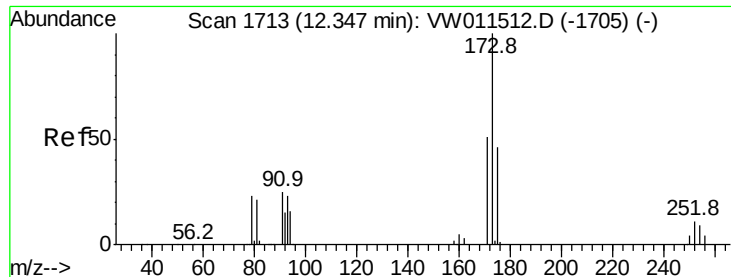
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#70
Styrene
Concen: 20.381 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion:104 Resp: 150633
Ion Ratio Lower Upper
104 100
78 53.1 43.4 65.0
103 55.4 43.9 65.9





#71

Bromoform

Concen: 19.981 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion:173 Resp: 23568

Ion Ratio Lower Upper

173 100

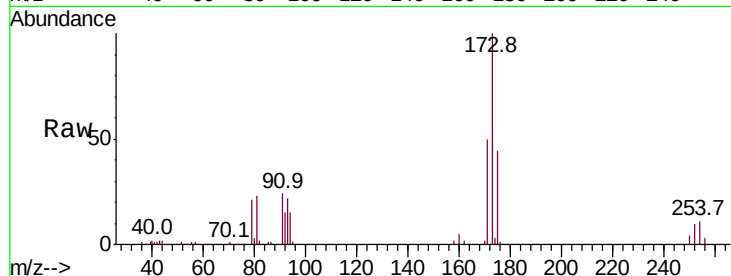
175 46.0 23.6 71.0

254 0.0 0.1 0.1#

Manual Integrations
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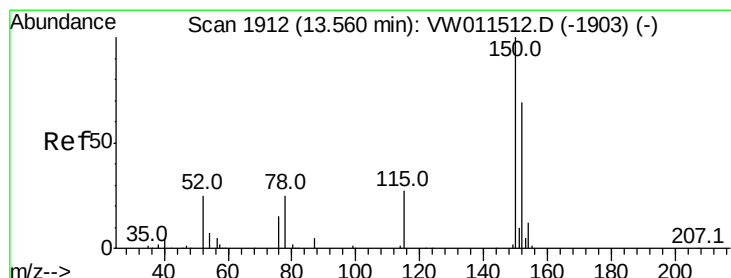
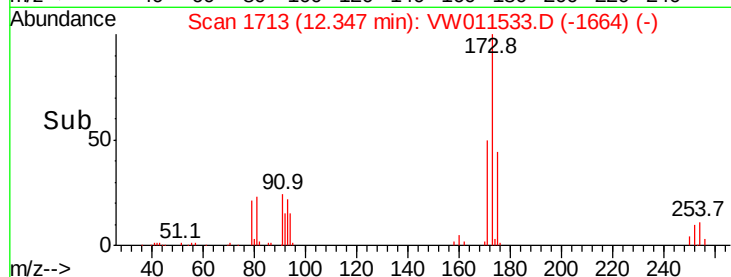
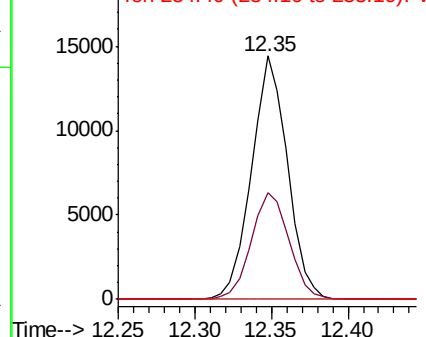
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VW011533.D

Acq: 26 Jul 2019 23:34

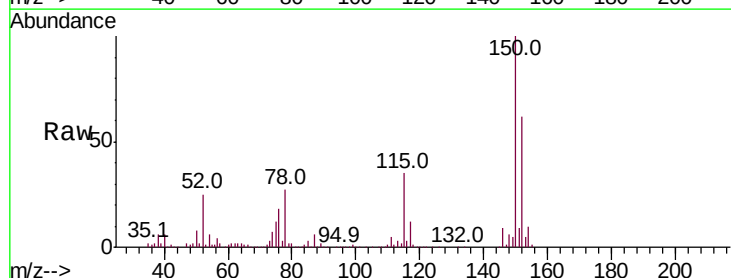
Tgt Ion:152 Resp: 161050

Ion Ratio Lower Upper

152 100

115 59.8 30.5 91.5

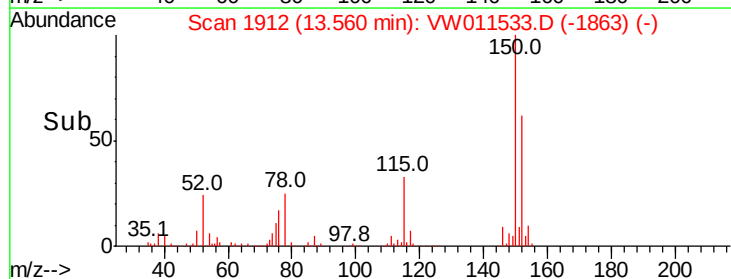
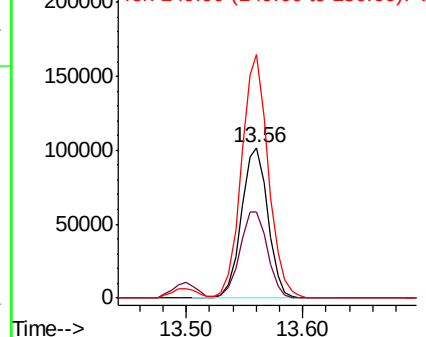
150 164.1 0.0 352.6

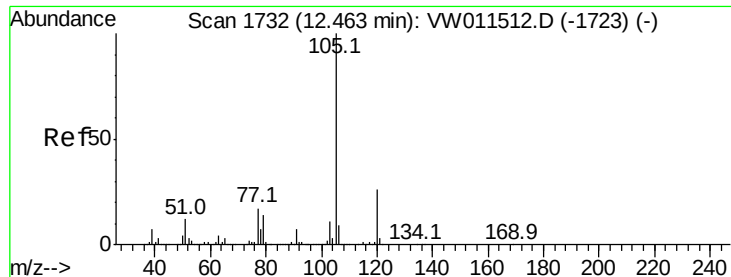


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.499 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion:105 Resp: 234280

Ion Ratio Lower Upper

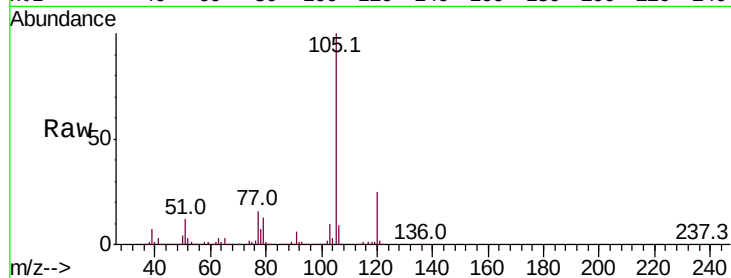
105 100

120 25.5 12.9 38.7

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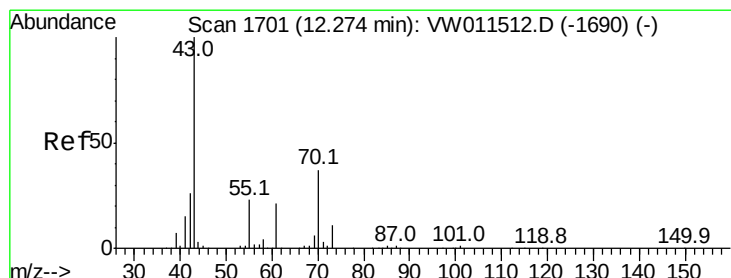
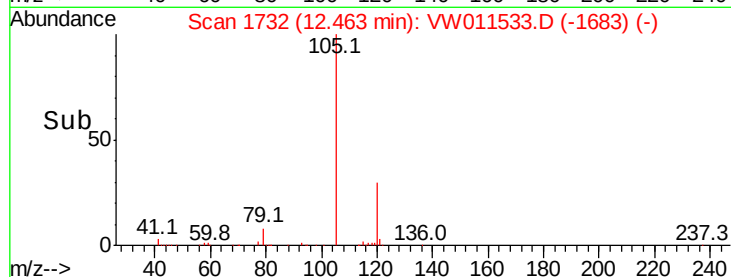
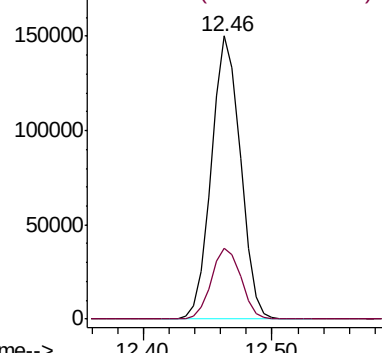
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.667 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Tgt Ion: 43 Resp: 77740

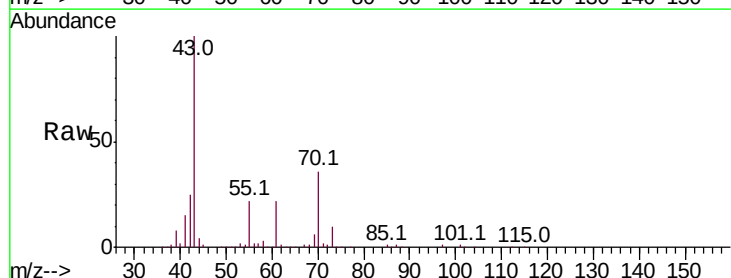
Ion Ratio Lower Upper

43 100

70 34.8 28.6 43.0

55 23.5 17.8 26.8

61 21.8 17.0 25.6

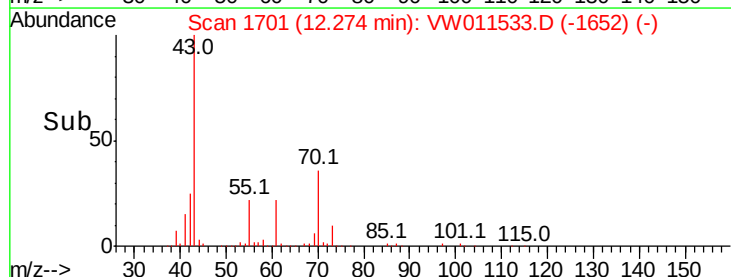
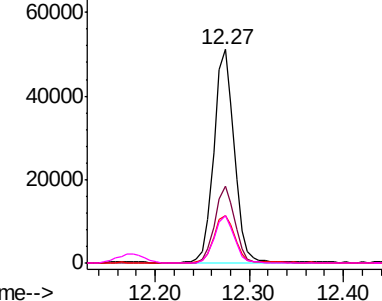


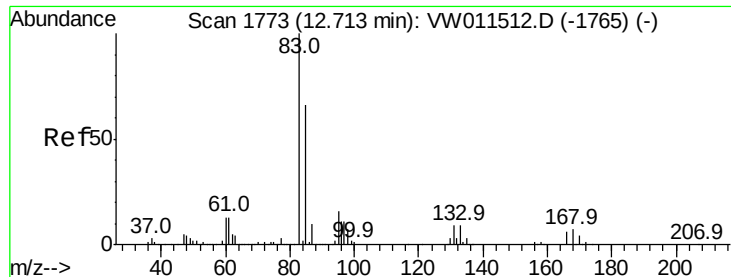
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 21.115 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

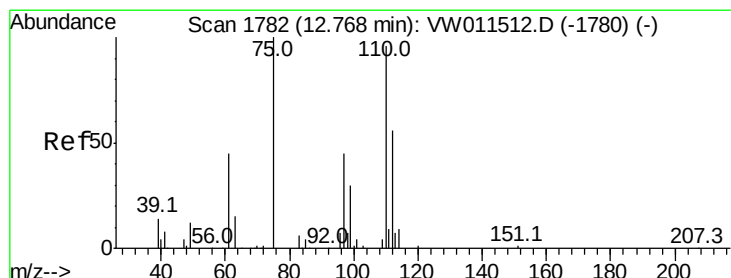
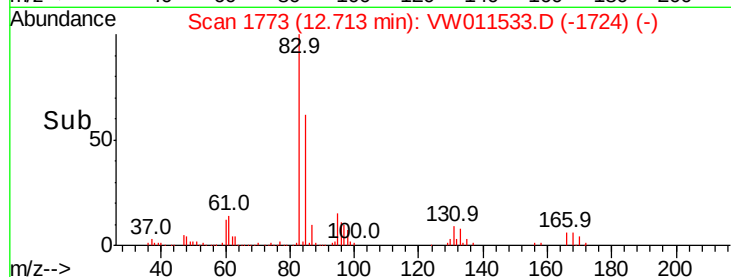
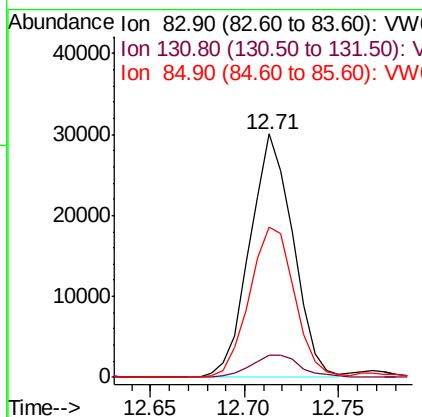
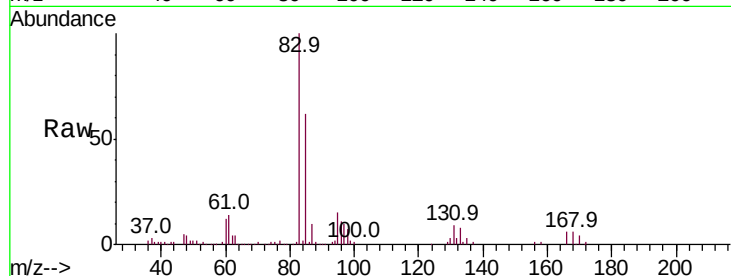
ClientSampleId :

VW0727SBS02

Tot Ion:	83	Resp:	47719
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.6
85	64.5	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 19.481 ug/l m

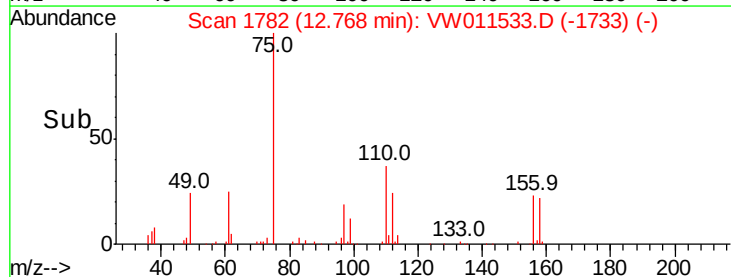
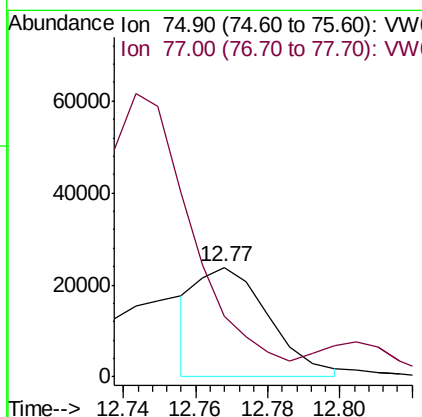
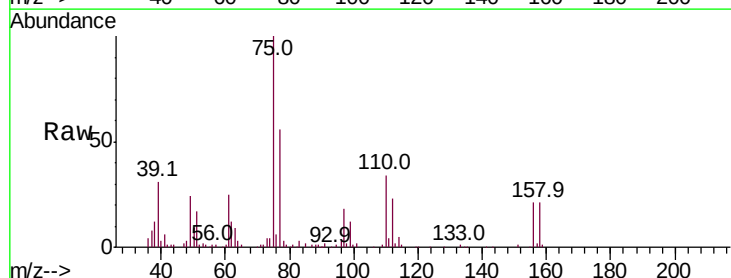
RT: 12.77 min Scan# 1782

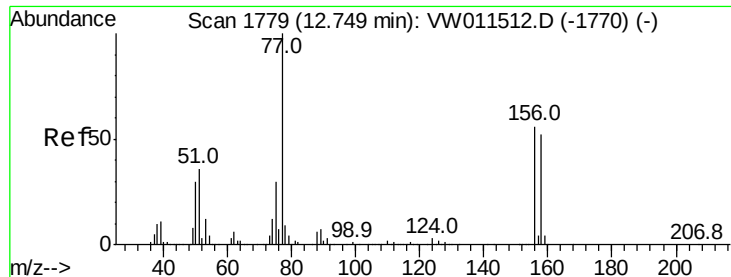
Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Tgt Ion:	75	Resp:	33197
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





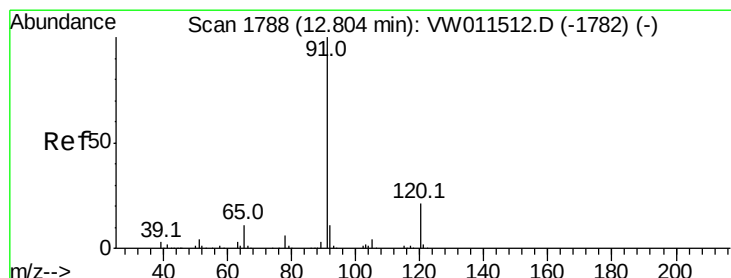
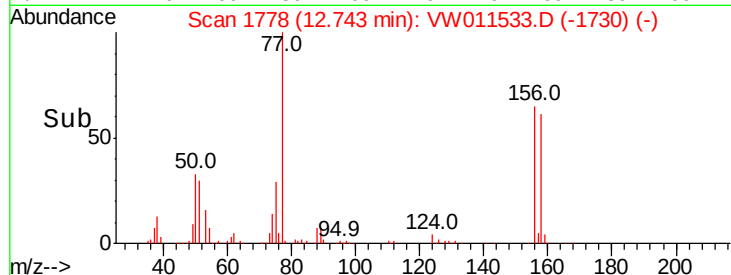
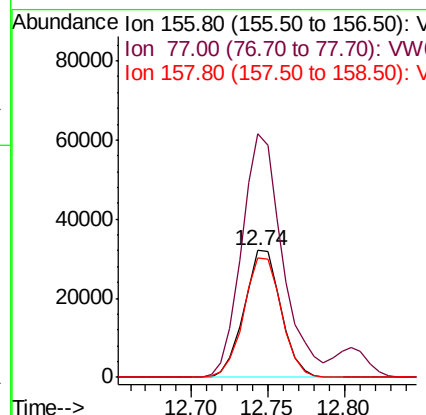
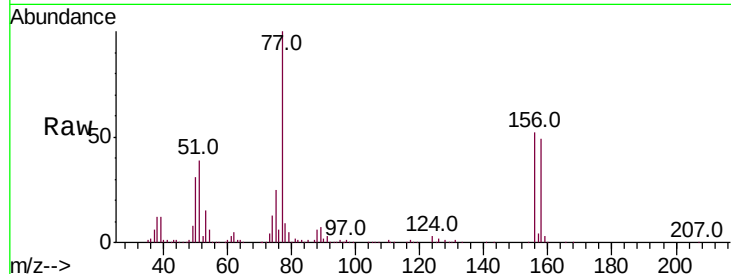
#77
Bromobenzene
Concen: 20.247 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	212.2	106.5	319.4
158	95.7	48.0	144.2

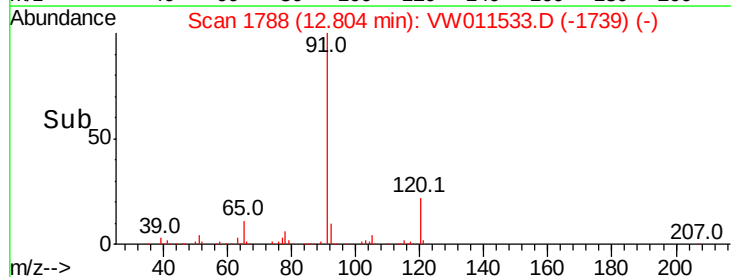
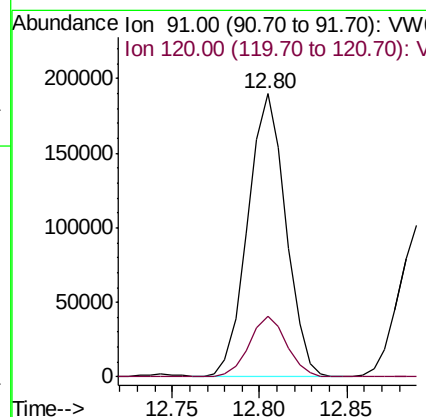
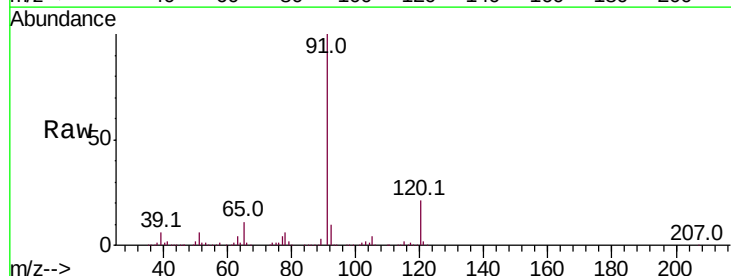
Manual Integrations
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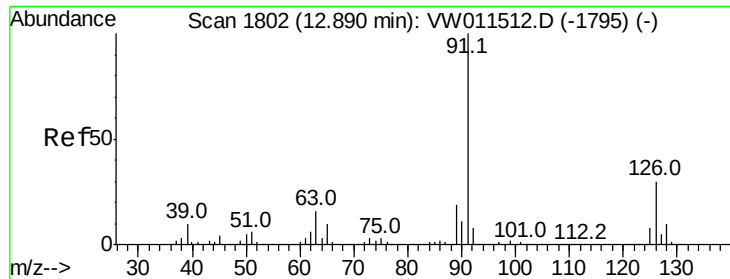
MMDadoda
7/29/2019 9:19:26 AM



#78
n-propylbenzene
Concen: 19.563 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.9	32.7





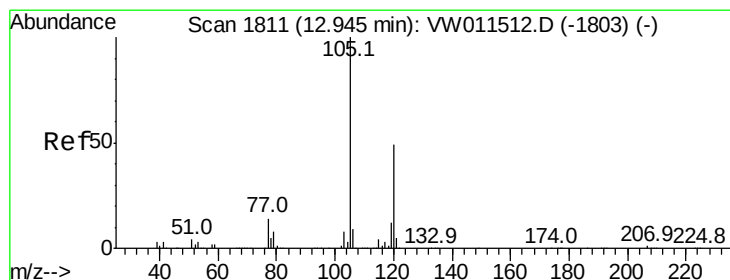
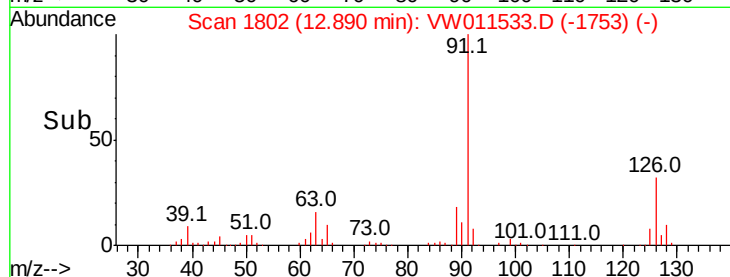
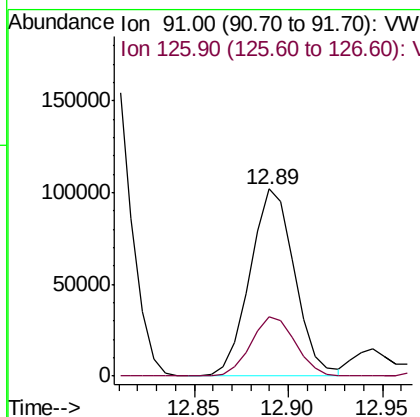
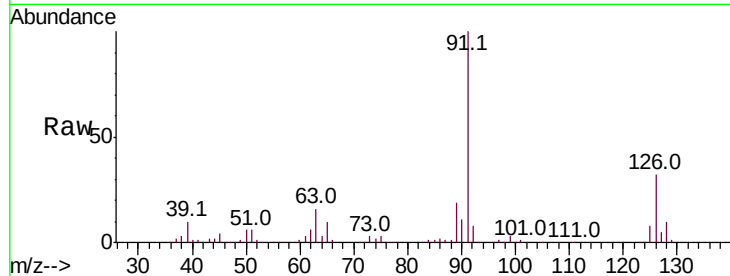
#79
2-Chlorotoluene
Concen: 19.900 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion: 91 Resp: 167635
Ion Ratio Lower Upper
91 100
126 31.6 15.7 47.1

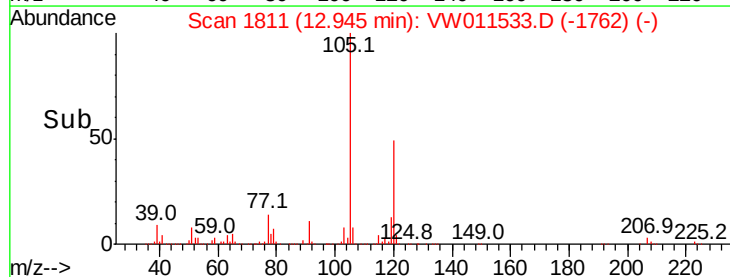
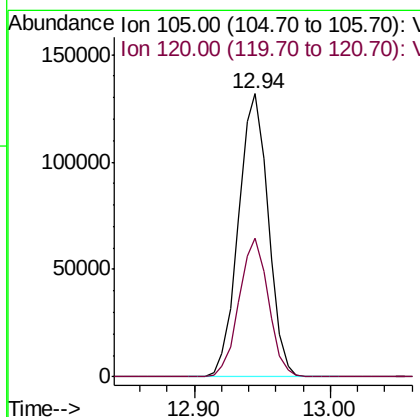
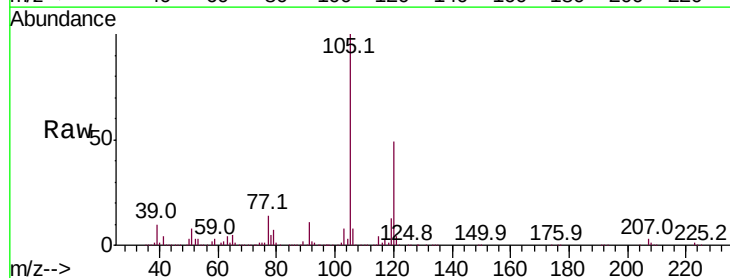
Manual Integrations
APPROVED

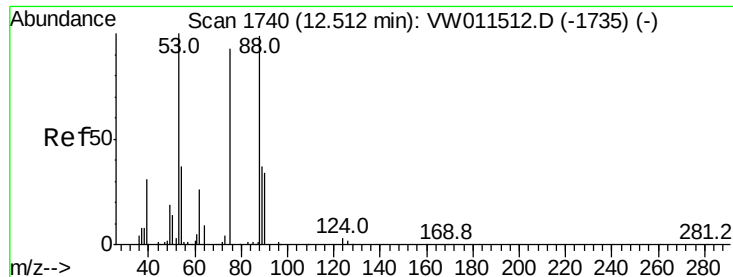
MMDadoda
7/29/2019 9:19:26 AM



#80
1,3,5-Trimethylbenzene
Concen: 20.026 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion:105 Resp: 201692
Ion Ratio Lower Upper
105 100
120 48.3 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.216 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion: 75 Resp: 13469

Ion Ratio Lower Upper

75 100

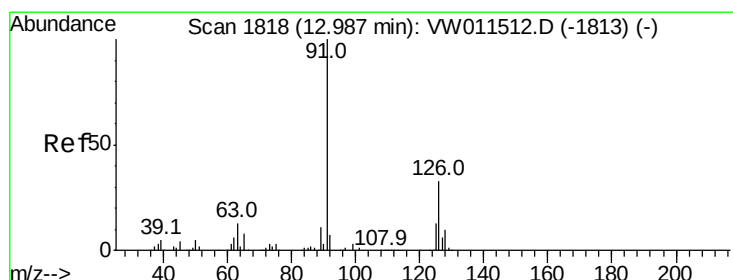
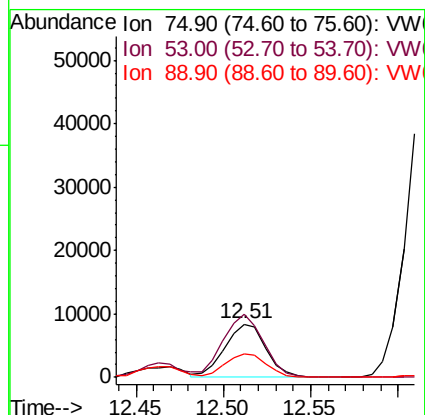
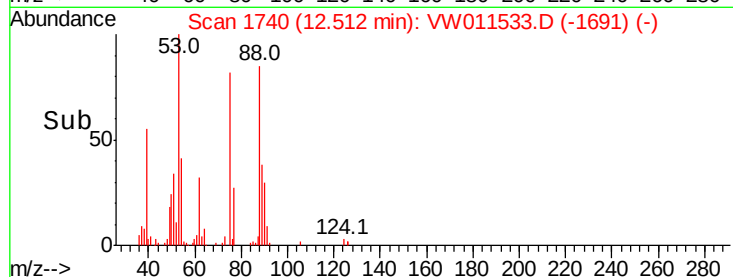
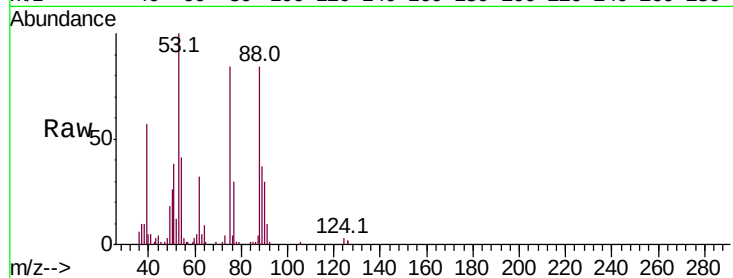
53 117.3 88.0 132.0

89 44.5 35.3 52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.594 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011533.D

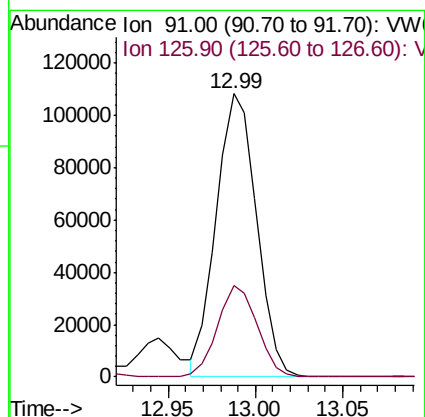
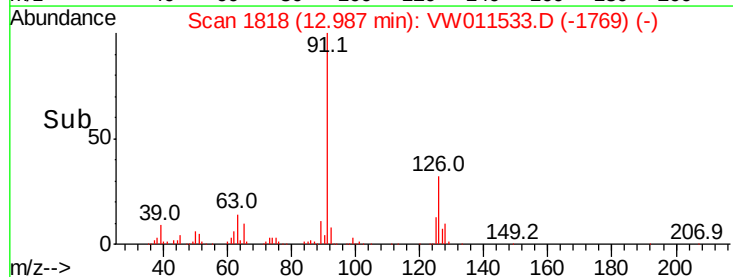
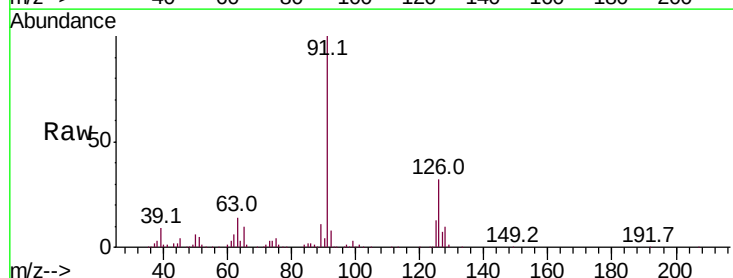
Acq: 26 Jul 2019 23:34

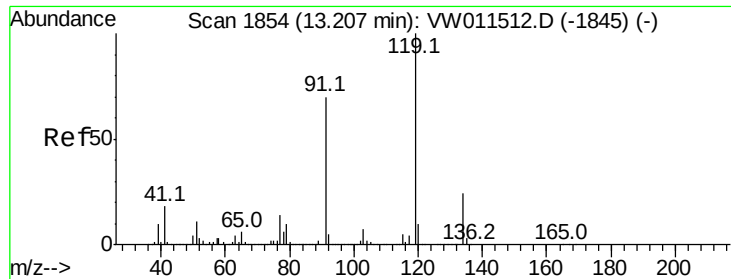
Tgt Ion: 91 Resp: 173178

Ion Ratio Lower Upper

91 100

126 32.0 15.6 46.8





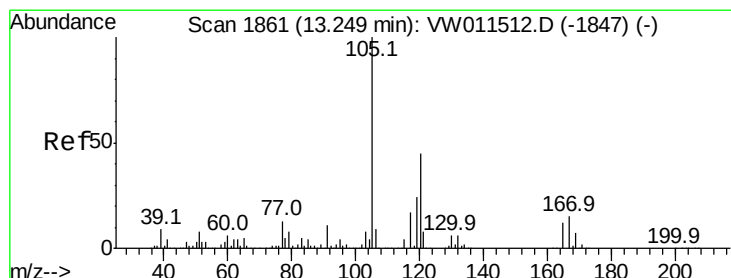
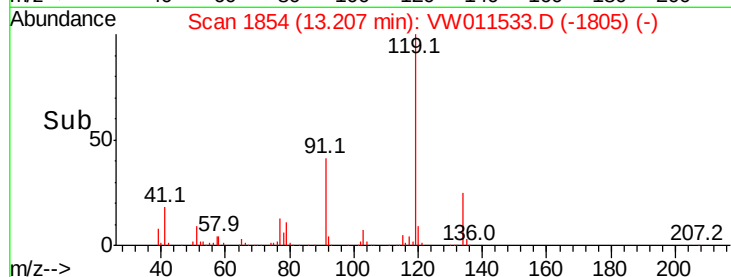
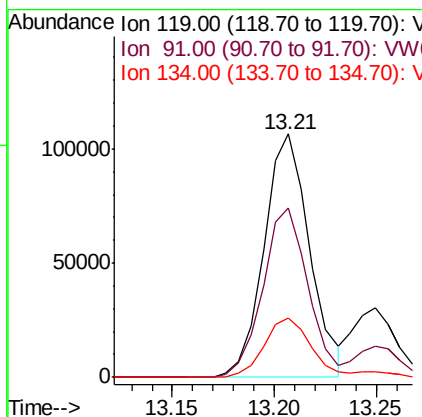
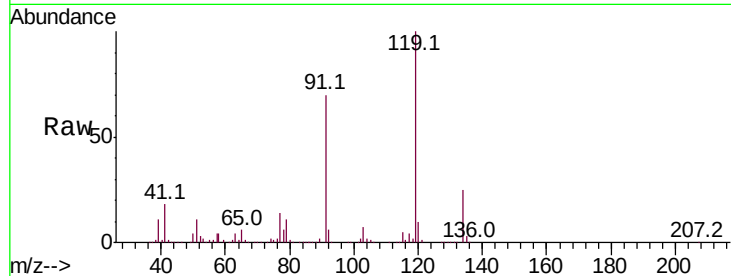
#83
tert-Butylbenzene
Concen: 19.714 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	166035		
91	68.8	34.5	103.6	
134	25.0	12.4	37.4	

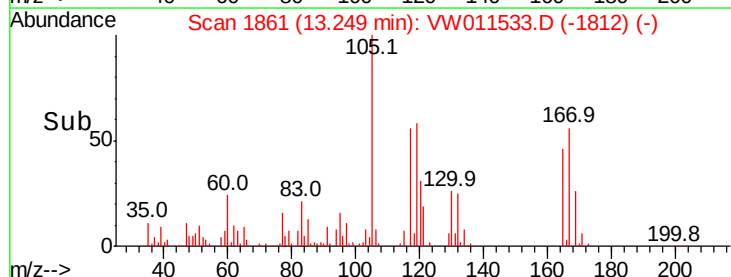
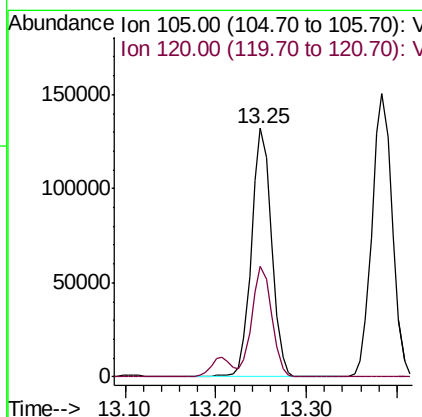
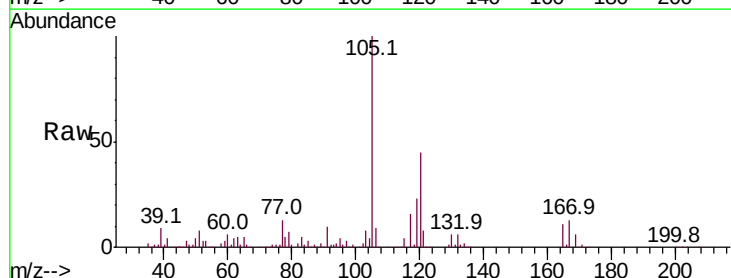
Manual Integrations
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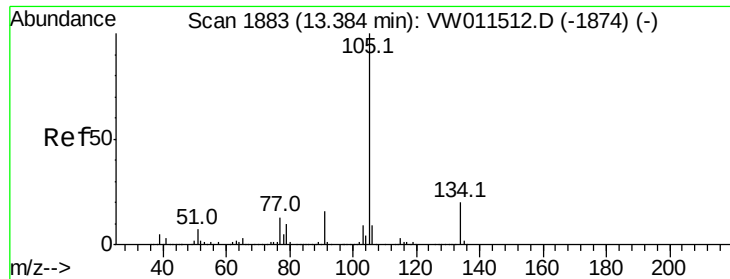
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#84
1,2,4-Trimethylbenzene
Concen: 20.078 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	203699		
120	43.7	22.1	66.5	





#85

sec-Butylbenzene

Concen: 19.419 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion:105 Resp: 233360

Ion Ratio Lower Upper

105 100

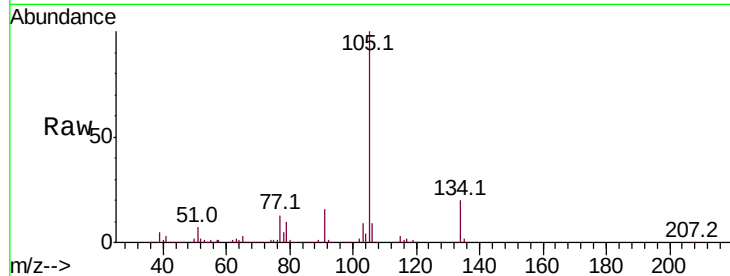
134 19.4 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

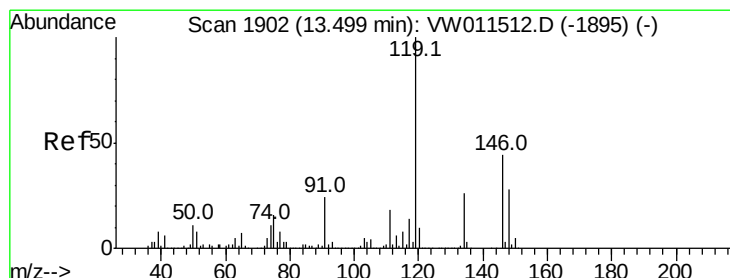
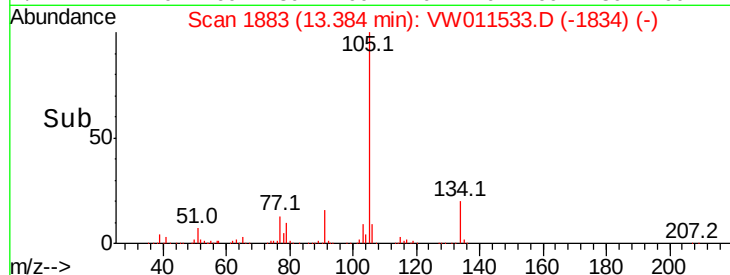
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.400 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

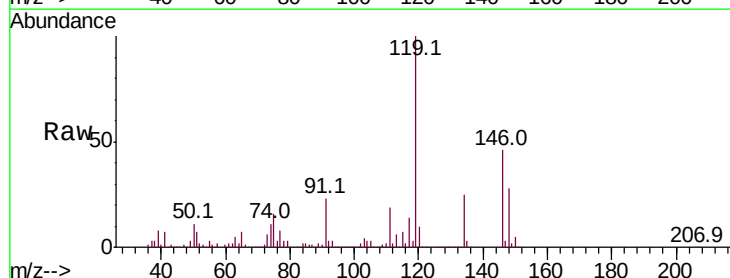
Tgt Ion:119 Resp: 211523

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 24.4 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

200000

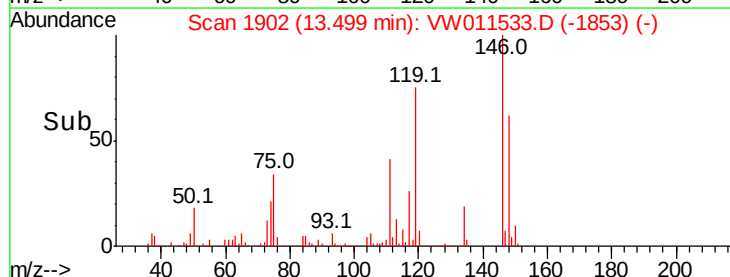
150000

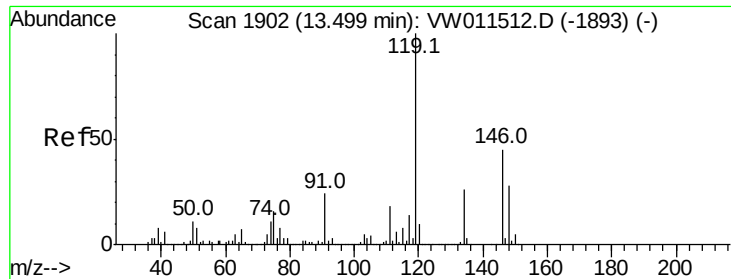
100000

50000

0

Time-->





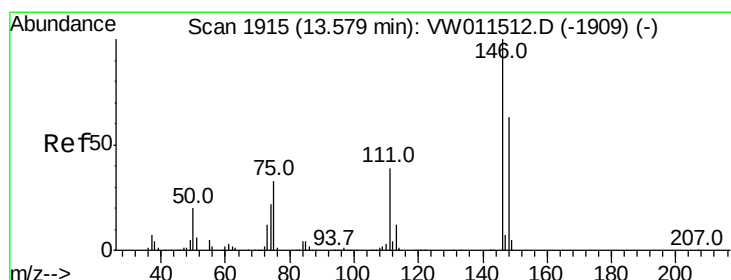
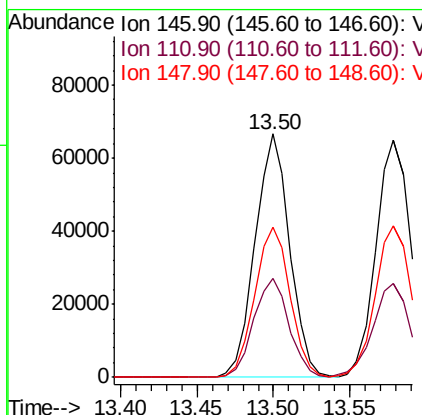
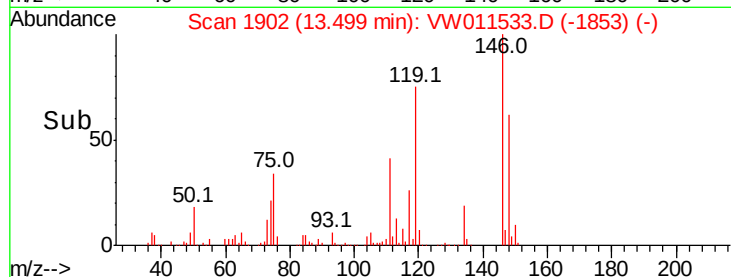
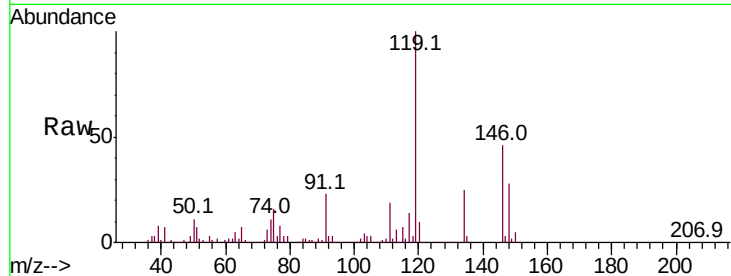
#87
 1,3-Dichlorobenzene
 Concen: 20.143 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	104885		
111	41.5	20.5	61.6	
148	63.0	31.8	95.3	

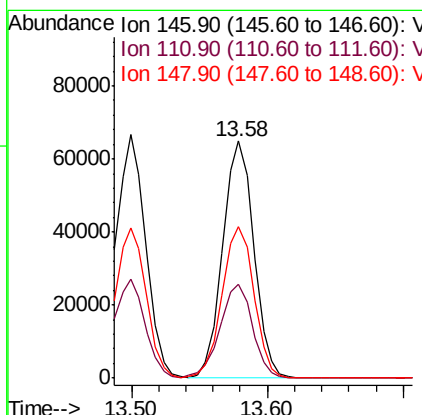
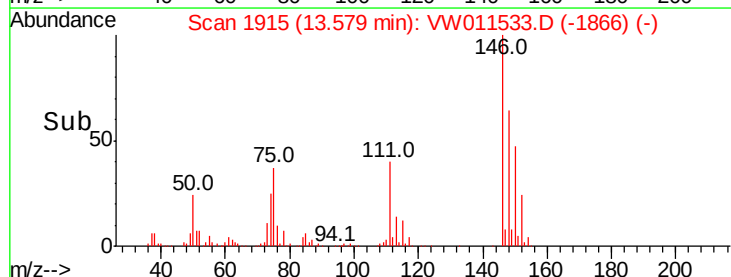
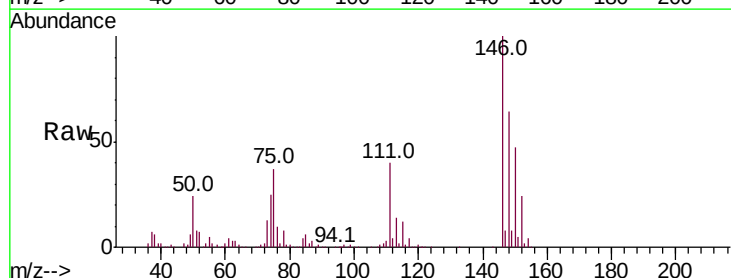
Manual Integrations
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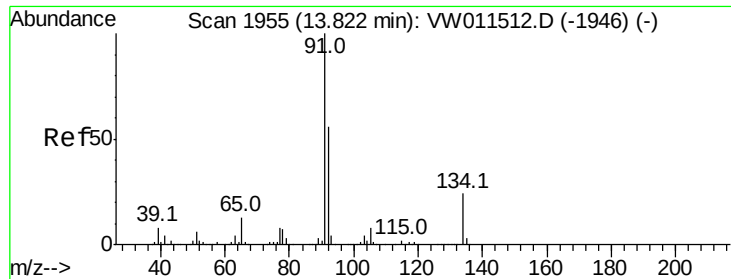
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#88
 1,4-Dichlorobenzene
 Concen: 19.931 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	103241		
111	41.5	20.1	60.2	
148	65.4	31.9	95.9	





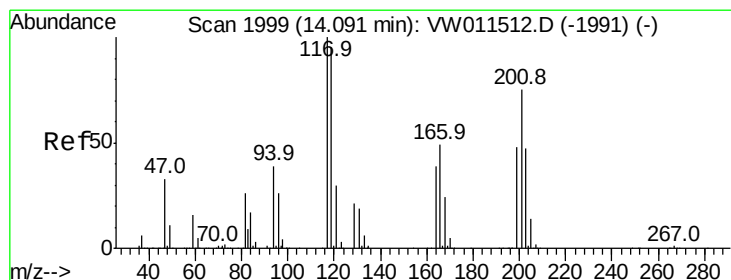
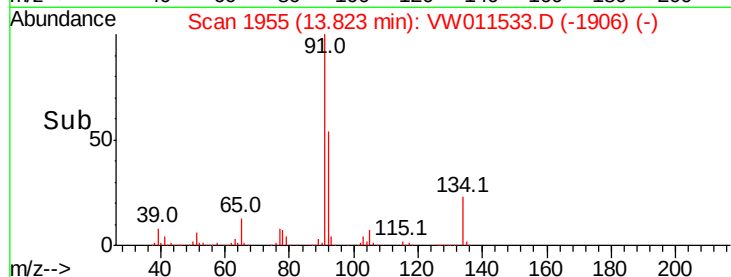
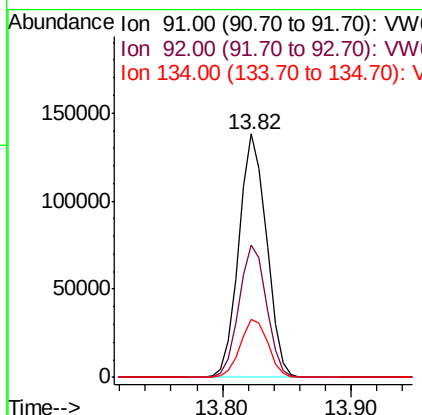
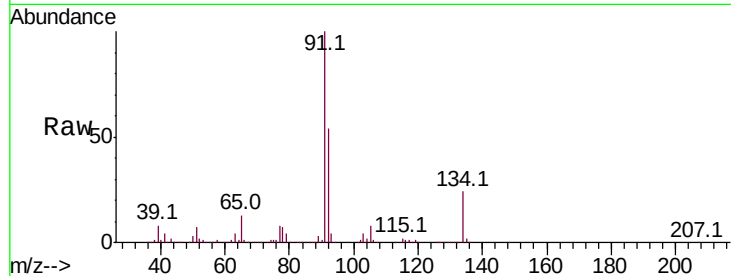
#89
n-Butylbenzene
Concen: 18.863 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	205243		
92	54.1		27.5	82.4
134	24.0		12.2	36.6

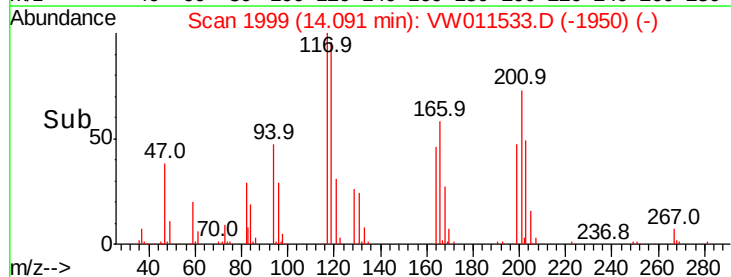
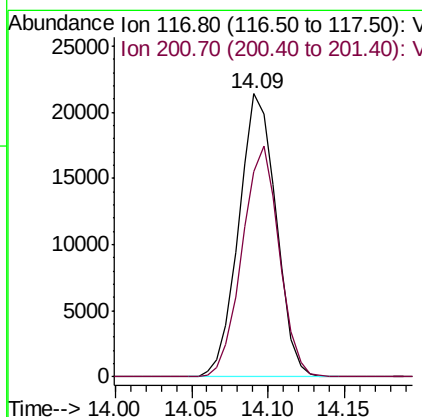
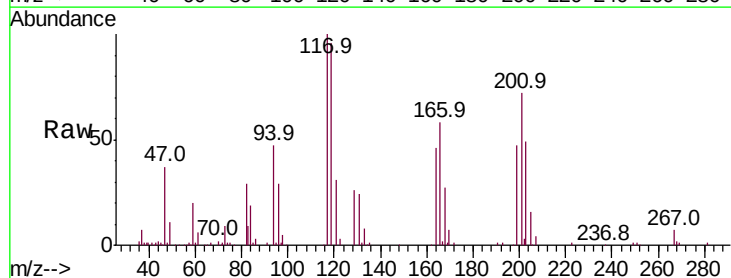
Manual Integrations
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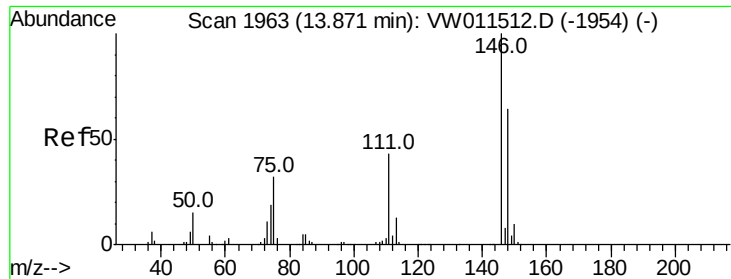
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#90
Hexachloroethane
Concen: 18.834 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW011533.D
Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36313		
201	80.6		39.4	118.2





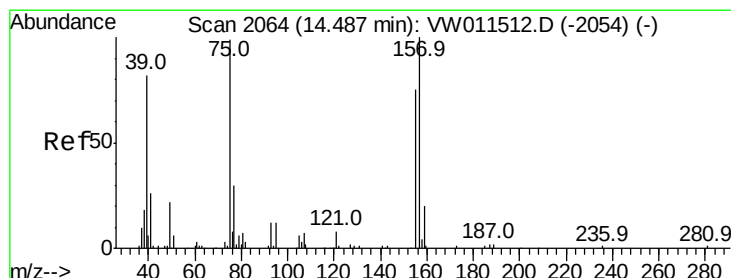
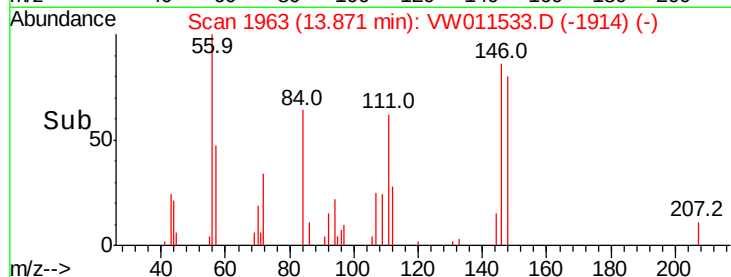
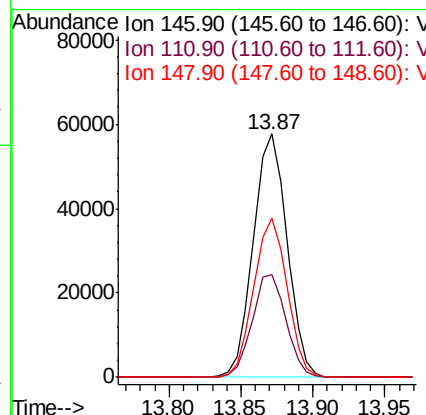
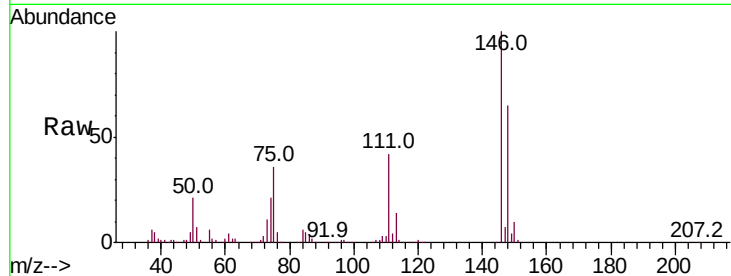
#91
 1,2-Dichlorobenzene
 Concen: 20.284 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.6	65.0
148	64.5	32.0	96.2

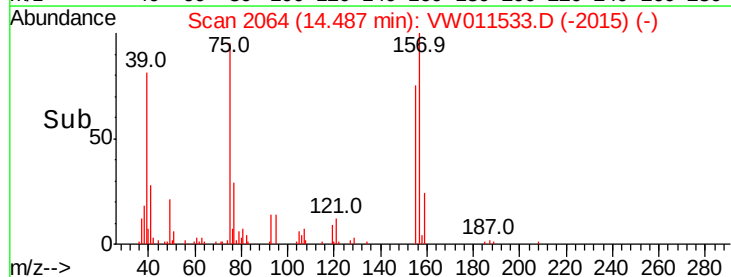
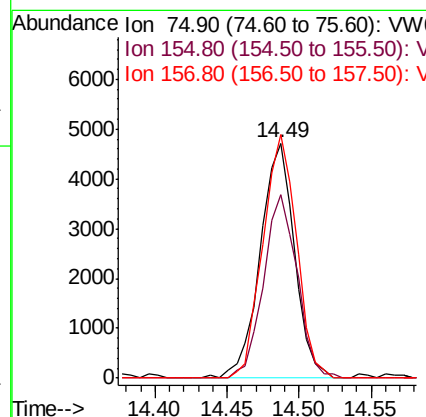
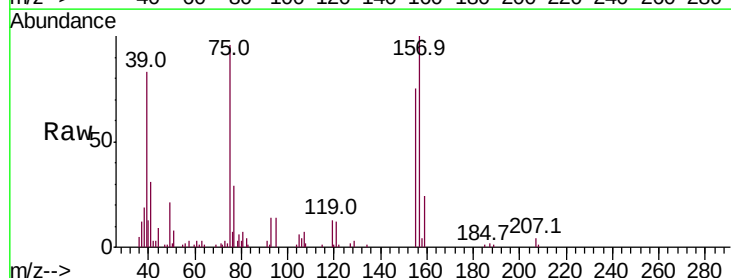
Manual Integrations
 APPROVED

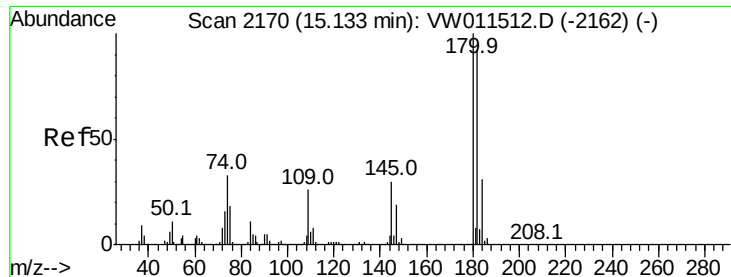
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.045 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	38.2	114.6
157	101.8	48.9	146.7





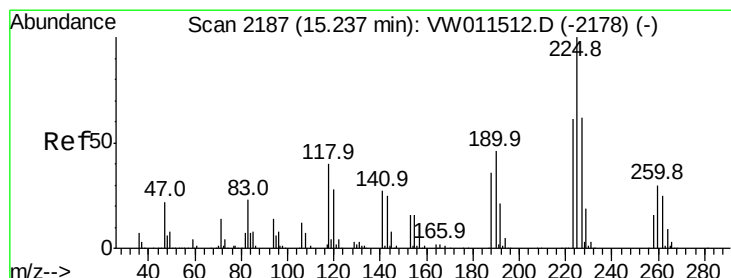
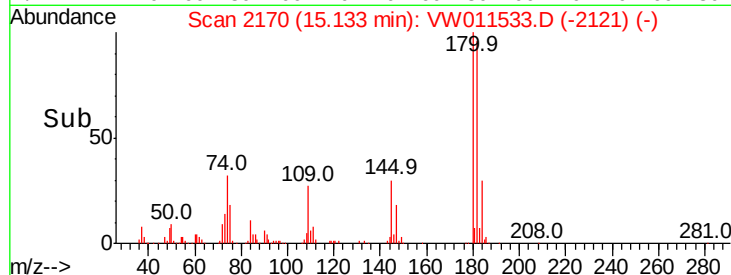
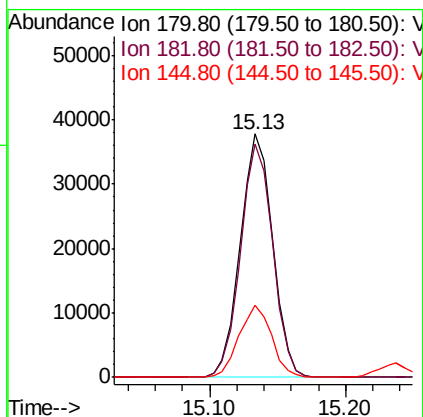
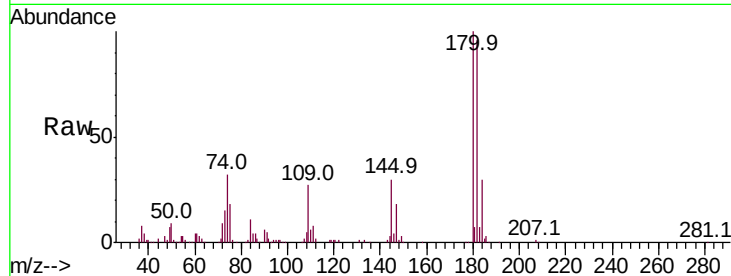
#93
 1,2,4-Trichlorobenzene
 Concen: 19.370 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.4	142.2	
145	30.0	15.4	46.1	

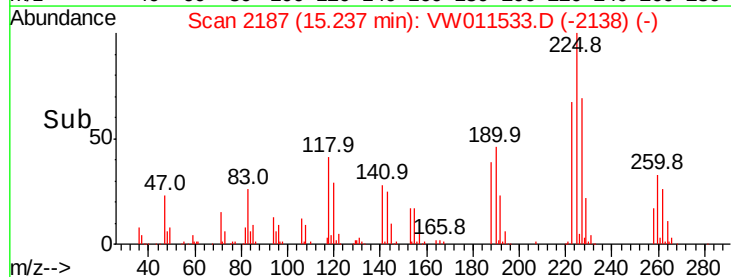
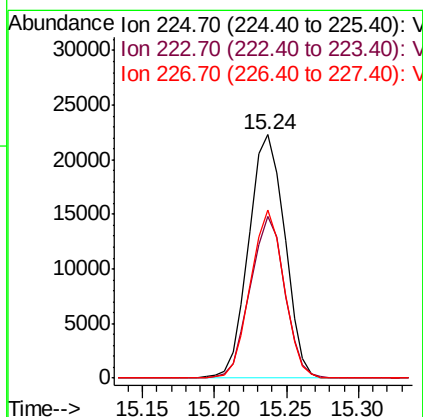
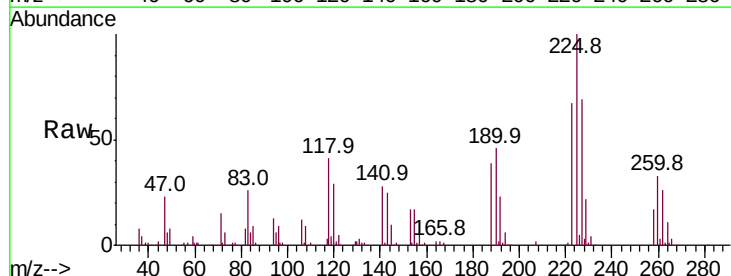
Manual Integrations
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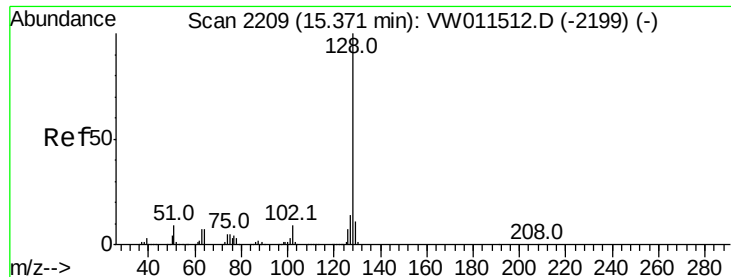
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 19.103 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011533.D
 Acq: 26 Jul 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	30.8	92.3	
227	63.9	31.6	94.7	





#95

Naphthalene

Concen: 19.358 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Instrument :

MSVOA_W

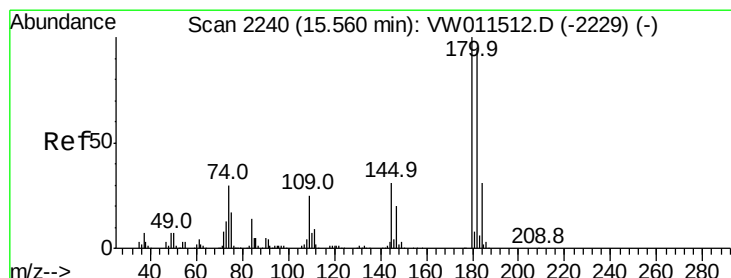
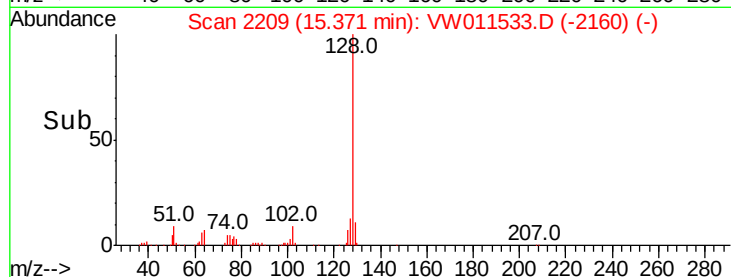
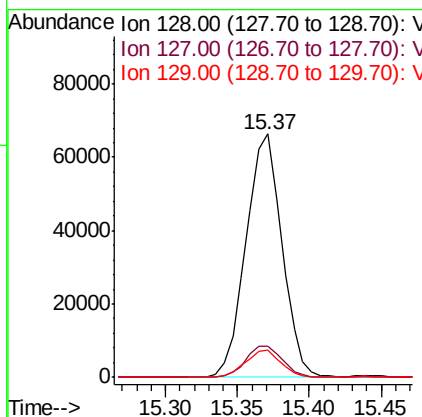
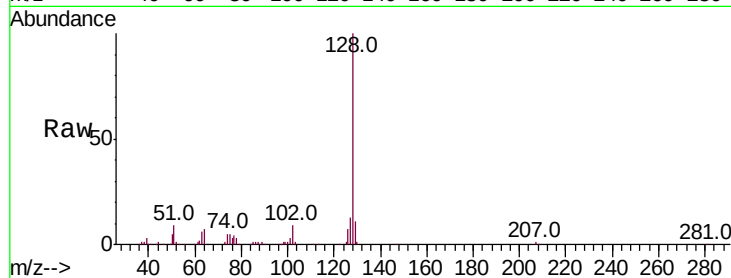
ClientSampleId :

VW0727SBS02

Tot Ion:	128	Resp:	114679
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:19:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.662 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011533.D

Acq: 26 Jul 2019 23:34

Tgt Ion:	180	Resp:	55940
Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.2
145	31.7	15.9	47.7

