

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011550.D
 Acq On : 27 Jul 2019 06:54
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:19:39 AM

Quant Time: Jul 29 01:25:54 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	223007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	377098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162866	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	126959	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
35) Dibromofluoromethane	7.88	113	99874	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
50) Toluene-d8	10.32	98	406057	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
62) 4-Bromofluorobenzene	12.62	95	145528	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	53267	42.859	ug/l	91
3) Chloromethane	2.21	50	93591	43.427	ug/l	98
4) Vinyl Chloride	2.36	62	118412	45.638	ug/l	98
5) Bromomethane	2.76	94	55645	38.746	ug/l	96
6) Chloroethane	2.90	64	63521	42.859	ug/l	98
7) Trichlorofluoromethane	3.24	101	48202	41.569	ug/l	97
8) Diethyl Ether	3.67	74	67031	50.984	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	98566	44.809	ug/l	99
10) Methyl Iodide	4.27	142	148532	47.782	ug/l	99
11) Tert butyl alcohol	5.20	59	50313	267.477	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	107903	46.459	ug/l	99
13) Acrolein	3.89	56	32169	175.078	ug/l	100
14) Allyl chloride	4.66	41	232059	46.978	ug/l	100
15) Acrylonitrile	5.36	53	170391	259.623	ug/l	99
16) Acetone	4.13	43	136682	167.797	ug/l	98
17) Carbon Disulfide	4.38	76	322933	44.425	ug/l	99
18) Methyl Acetate	4.67	43	116542	63.687	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	189065	51.299	ug/l	97
20) Methylene Chloride	4.91	84	126519	45.036	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	122118	48.770	ug/l	92
22) Diisopropyl ether	6.31	45	476788	51.194	ug/l	98
23) Vinyl Acetate	6.25	43	1367727	233.717	ug/l	99
24) 1,1-Dichloroethane	6.21	63	246563	49.432	ug/l	99
25) 2-Butanone	7.17	43	241754	226.811	ug/l	96
26) 2,2-Dichloropropane	7.17	77	112983	36.832	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	135393	49.130	ug/l	100
28) Bromochloromethane	7.51	49	116770	52.743	ug/l #	99
29) Tetrahydrofuran	7.53	42	157868	259.111	ug/l	100
30) Chloroform	7.67	83	227582	49.456	ug/l	97
31) Cyclohexane	7.95	56	209624	43.782	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	168569	48.101	ug/l	100
36) 1,1-Dichloropropene	8.08	75	178115	45.424	ug/l	98
37) Ethyl Acetate	7.25	43	110107	48.808	ug/l	99
38) Carbon Tetrachloride	8.07	117	150262	44.764	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	193642	44.849	ug/l	98
40) Benzene	8.32	78	525035	47.803	ug/l	98
41) Methacrylonitrile	7.48	41	66021	48.958	ug/l	95
42) 1,2-Dichloroethane	8.40	62	166713	48.481	ug/l	99
43) Isopropyl Acetate	8.42	43	204583	49.311	ug/l	99
44) Trichloroethene	9.09	130	124850	47.295	ug/l	100
45) 1,2-Dichloropropane	9.37	63	142176	48.379	ug/l	98
46) Dibromomethane	9.46	93	66069	49.257	ug/l	99
47) Bromodichloromethane	9.65	83	168585	47.915	ug/l	98
48) Methyl methacrylate	9.43	41	102434	51.398	ug/l	99
49) 1,4-Dioxane	9.46	88	19190	988.091	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	546716	253.343	ug/l	100
52) Toluene	10.38	92	316817	47.765	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	171105	46.554	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	202709	46.386	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	92742	48.732	ug/l	97
56) Ethyl methacrylate	10.65	69	142979	51.341	ug/l	100
57) 1,3-Dichloropropane	10.93	76	178491	49.574	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	380933	301.266	ug/l	100
59) 2-Hexanone	10.97	43	367082	240.916	ug/l	100
60) Dibromochloromethane	11.13	129	103849	49.159	ug/l	99
61) 1,2-Dibromoethane	11.23	107	88778	49.294	ug/l	100
64) Tetrachloroethene	10.86	164	111981	51.340	ug/l	97
65) Chlorobenzene	11.66	112	320928	47.652	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	113992	48.592	ug/l	98
67) Ethyl Benzene	11.73	91	614887	47.938	ug/l	100
68) m/p-Xylenes	11.84	106	442279	94.814	ug/l	99
69) o-Xylene	12.16	106	210902	48.654	ug/l	99
70) Styrene	12.18	104	367777	49.071	ug/l	100
71) Bromoform	12.35	173	58450	48.867	ug/l #	99
73) Isopropylbenzene	12.46	105	568815	46.815	ug/l	100
74) N-amyl acetate	12.27	43	181076	47.602	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	112660	49.295	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	78759m	45.702	ug/l	
77) Bromobenzene	12.74	156	129177	48.101	ug/l	99
78) n-propylbenzene	12.80	91	697639	47.180	ug/l	100
79) 2-Chlorotoluene	12.89	91	403278	47.340	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	486844	47.801	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	32970	44.092	ug/l	97
82) 4-Chlorotoluene	12.99	91	428971	47.995	ug/l	100
83) tert-Butylbenzene	13.21	119	400550	47.029	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	491200	47.876	ug/l	100
85) sec-Butylbenzene	13.38	105	567522	46.699	ug/l	100
86) p-Isopropyltoluene	13.50	119	514787	46.687	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	249441	47.370	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	245012	46.774	ug/l	99
89) n-Butylbenzene	13.82	91	506732	46.051	ug/l	100
90) Hexachloroethane	14.09	117	90736	46.537	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	223766	48.046	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18436	47.305	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	156296	47.617	ug/l	99
94) Hexachlorobutadiene	15.24	225	93192	45.527	ug/l	98
95) Naphthalene	15.36	128	298963	46.642	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	137417	47.761	ug/l	99

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

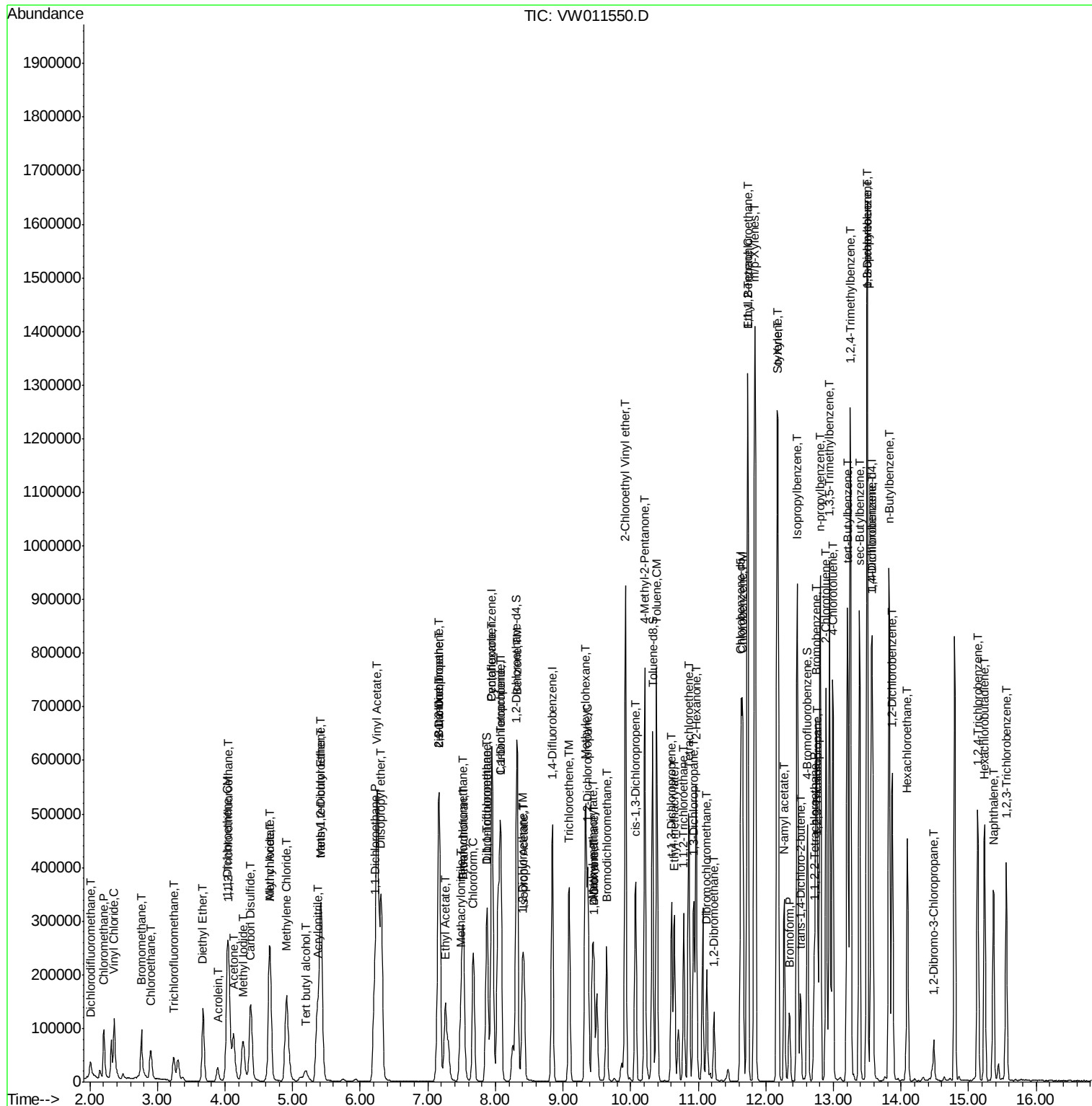
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
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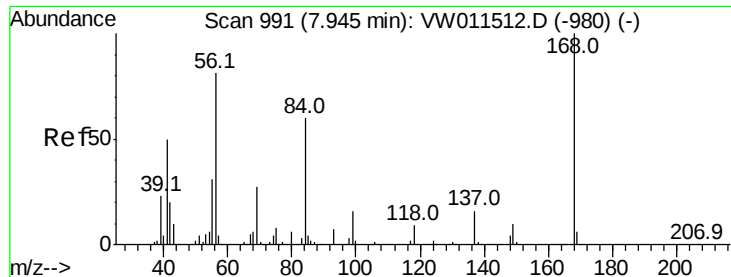
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 223007

Ion Ratio Lower Upper

168 100

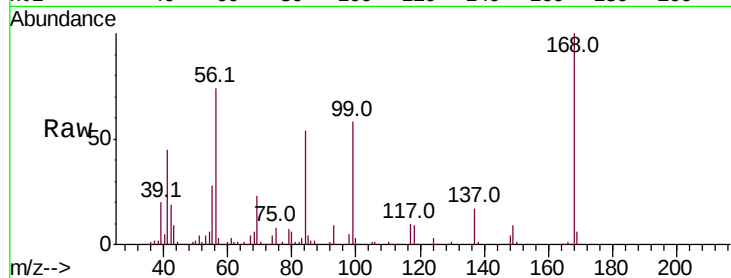
99 58.5 48.2 72.4

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

120000

100000

80000

60000

40000

20000

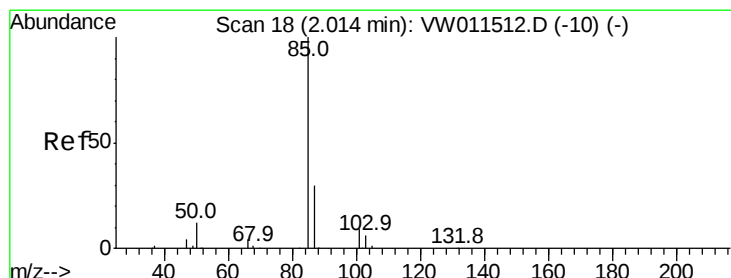
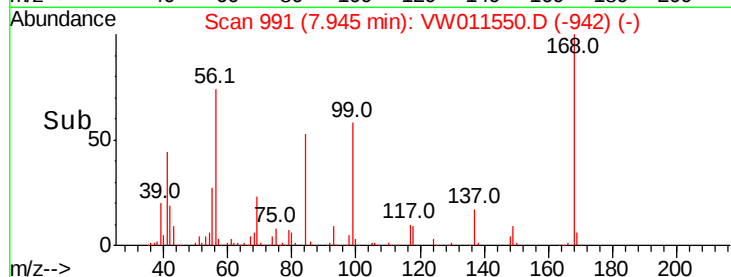
0

7.80

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 42.859 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011550.D

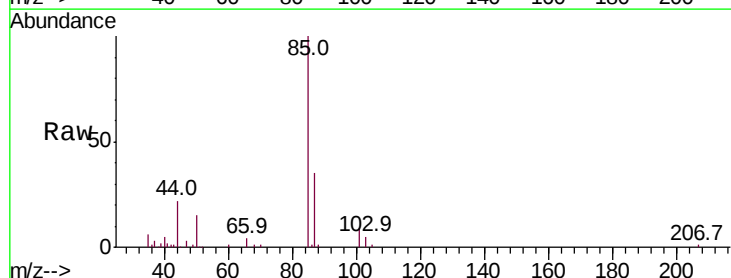
Acq: 27 Jul 2019 06:54

Tgt Ion: 85 Resp: 53267

Ion Ratio Lower Upper

85 100

87 35.1 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

15000

10000

5000

0

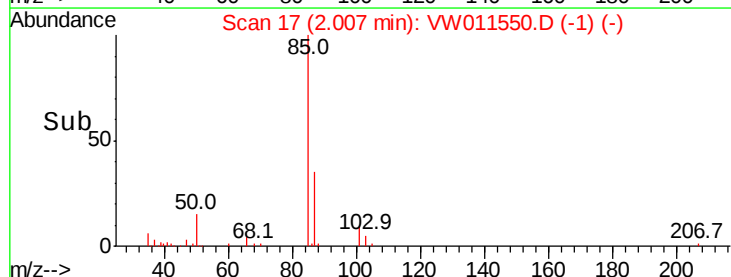
1.90

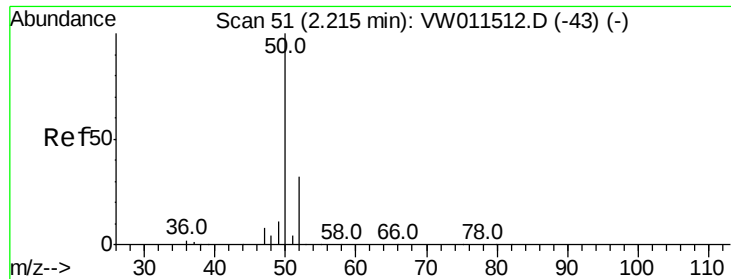
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 43.427 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 93591

Ion Ratio Lower Upper

50 100

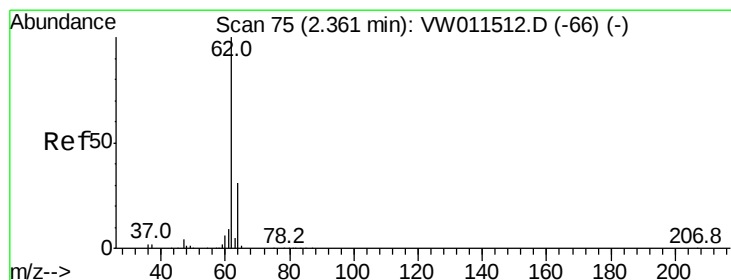
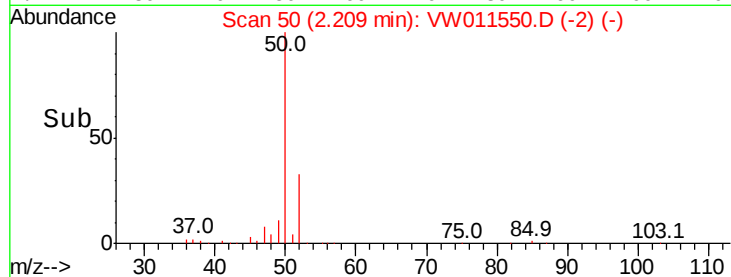
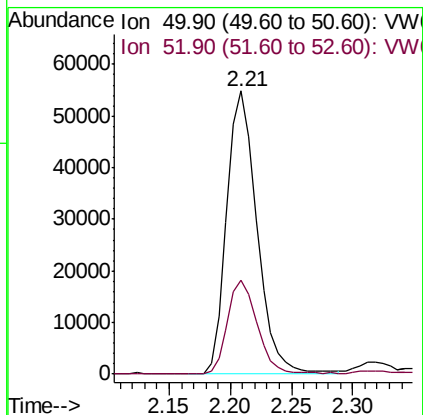
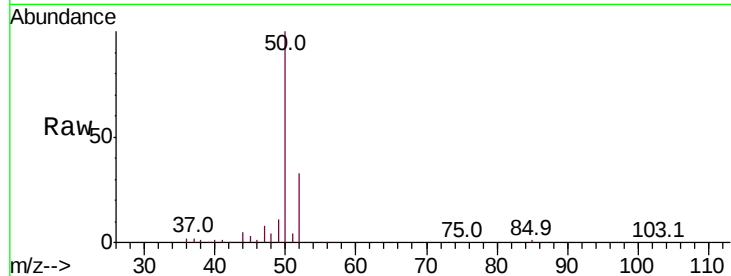
52 33.0 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.638 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011550.D

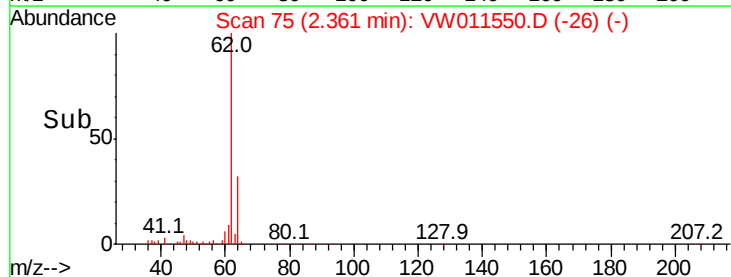
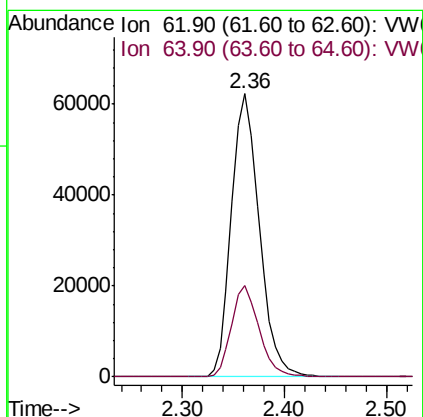
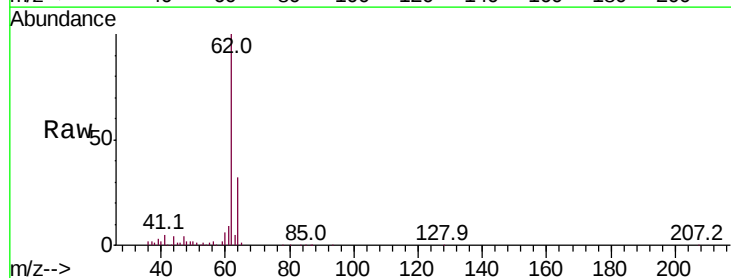
Acq: 27 Jul 2019 06:54

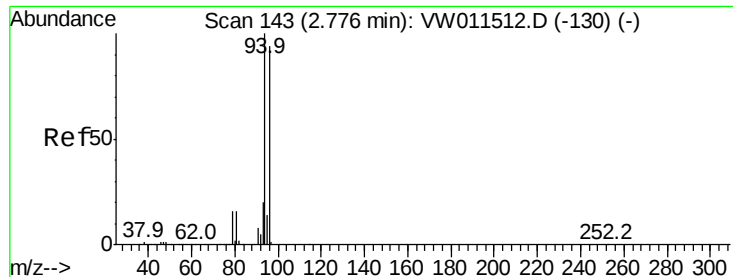
Tgt Ion: 62 Resp: 118412

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.4





#5

Bromomethane

Concen: 38.746 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 55645

Ion Ratio Lower Upper

94 100

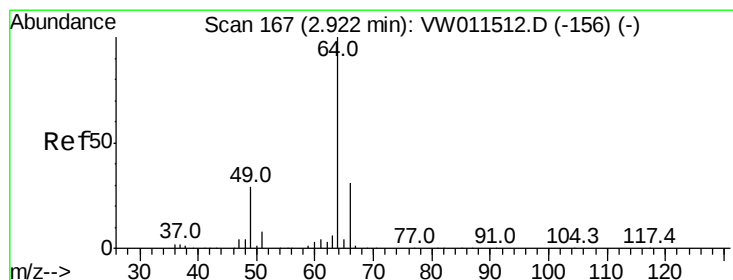
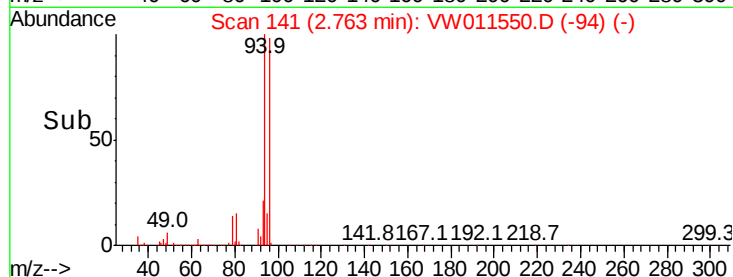
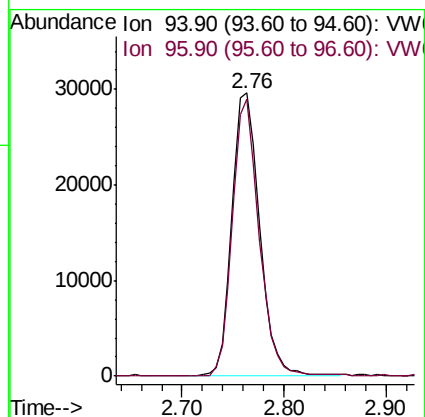
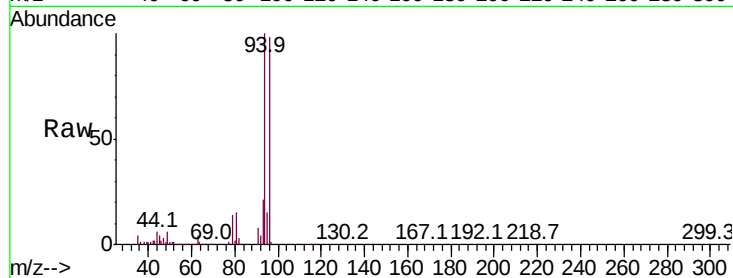
96 97.5 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 42.859 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW011550.D

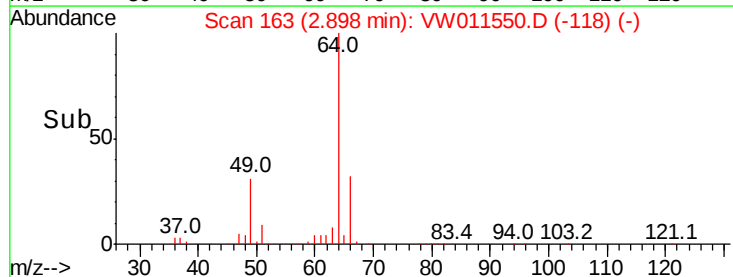
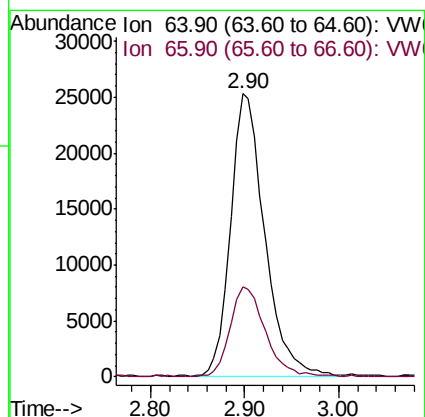
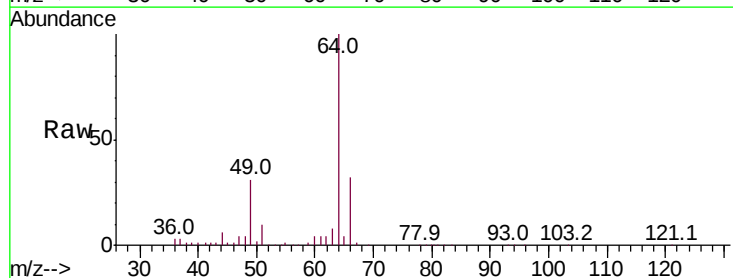
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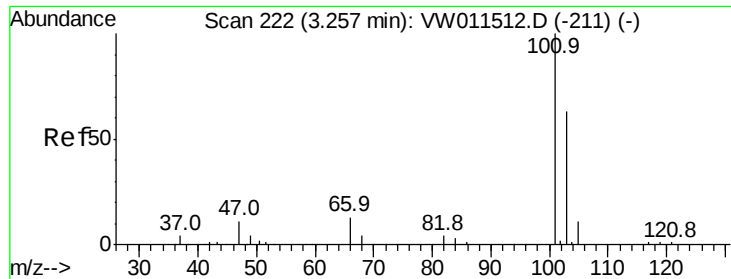
Tgt Ion: 64 Resp: 63521

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8





#7

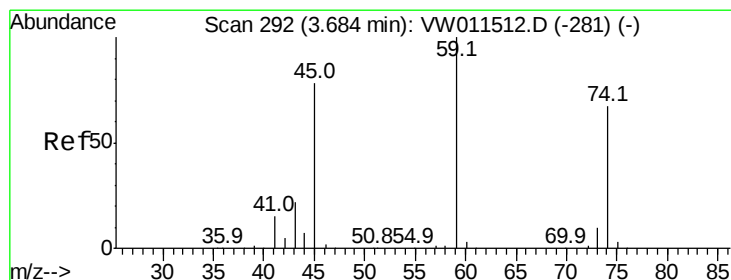
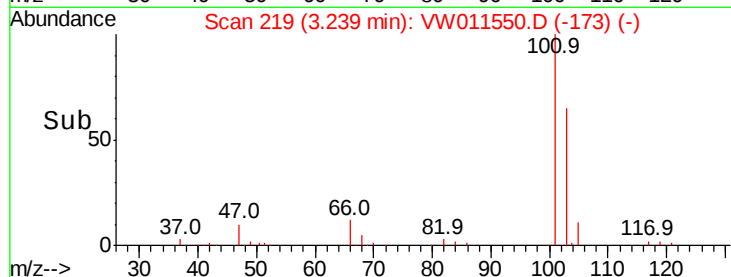
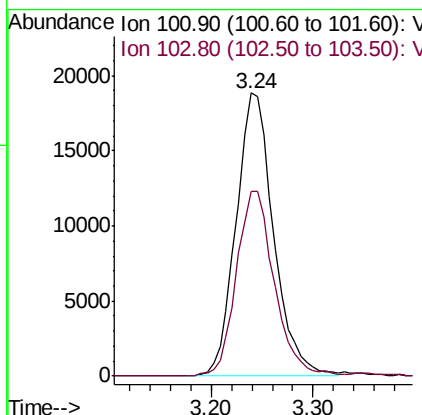
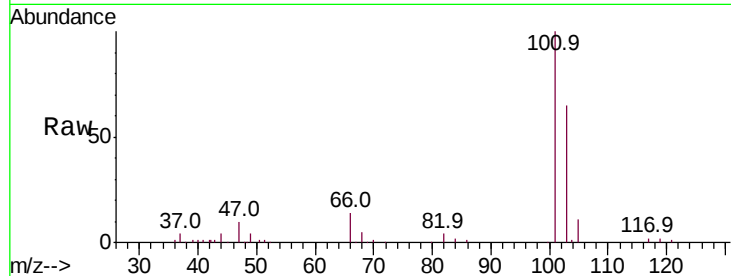
Trichlorofluoromethane
Concen: 41.569 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.02 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

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Tot Ion:101 Resp: 48202
Ion Ratio Lower Upper
101 100
103 65.1 50.2 75.4

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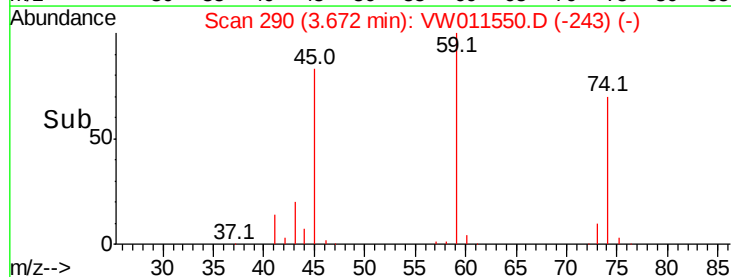
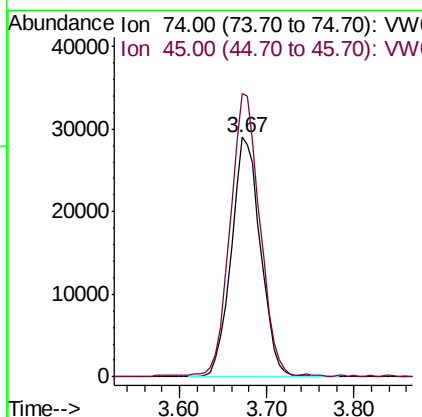
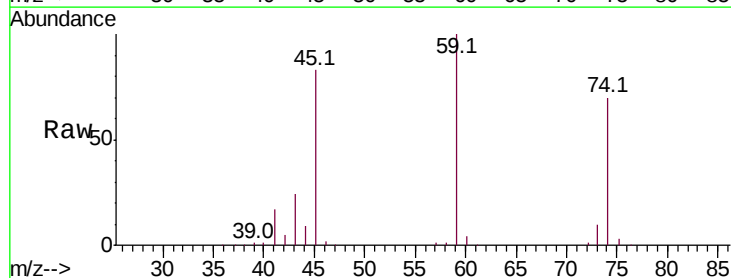
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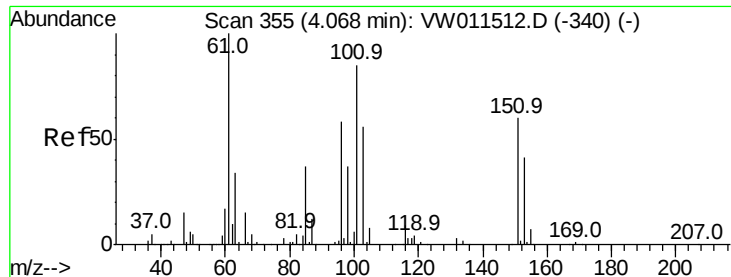


#8

Diethyl Ether
Concen: 50.984 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion: 74 Resp: 67031
Ion Ratio Lower Upper
74 100
45 121.3 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.809 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

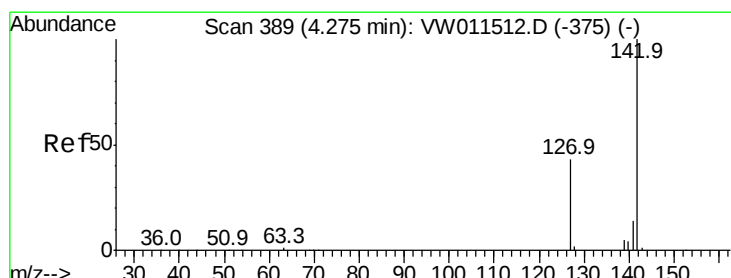
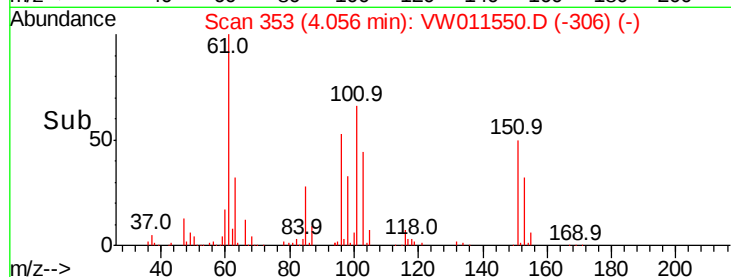
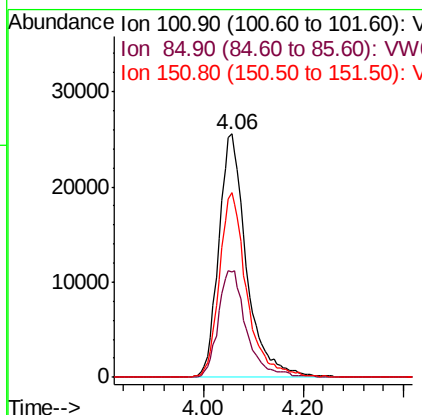
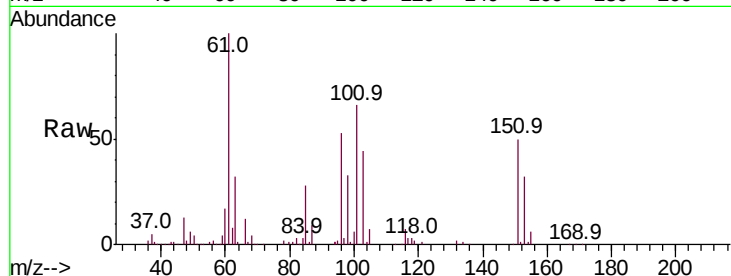
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	98566
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.6	54.8
151	74.8	60.2	90.2

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#10

Methyl Iodide

Concen: 47.782 ug/l

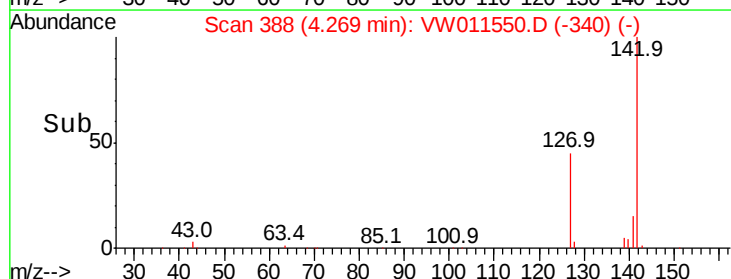
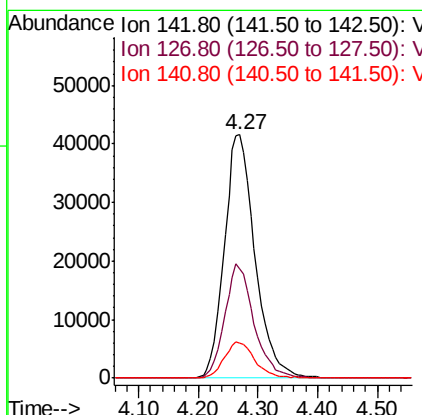
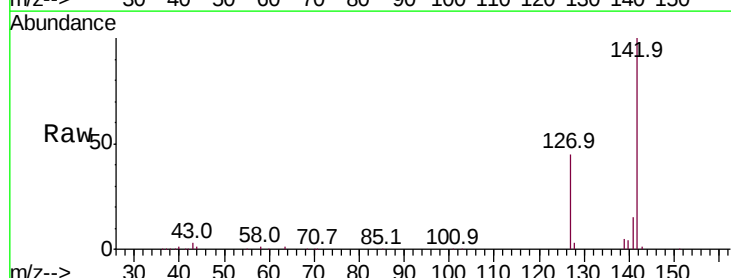
RT: 4.27 min Scan# 388

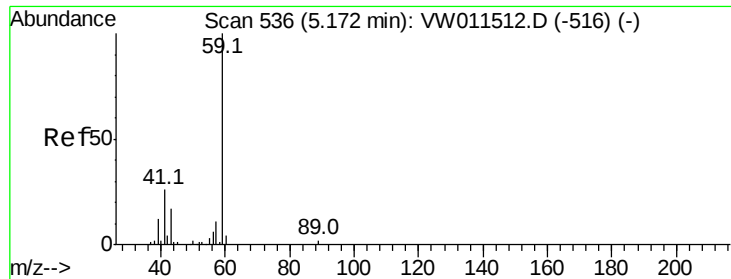
Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Tgt Ion:	142	Resp:	148532
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.0	52.6
141	14.8	11.9	17.9





#11

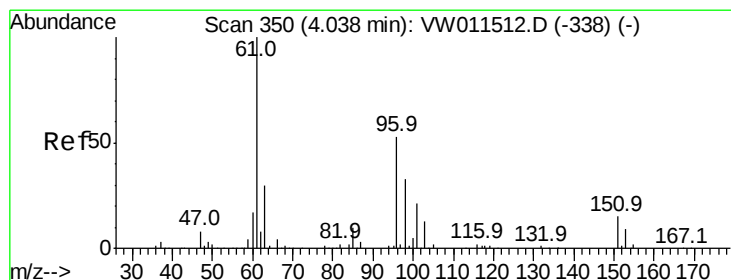
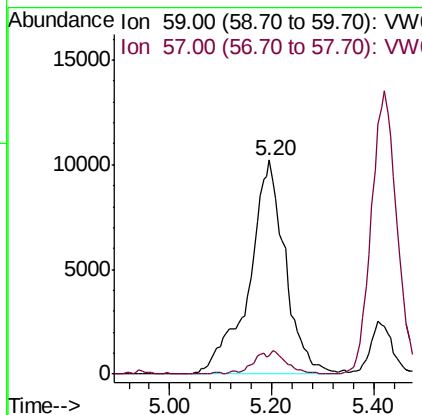
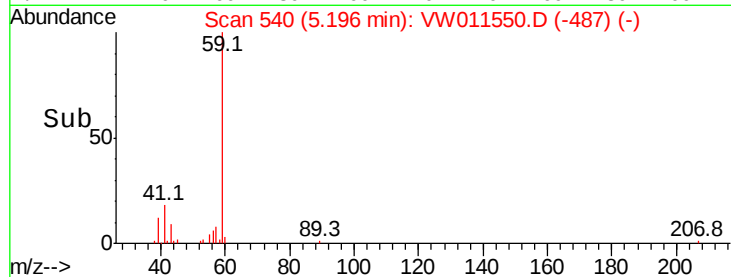
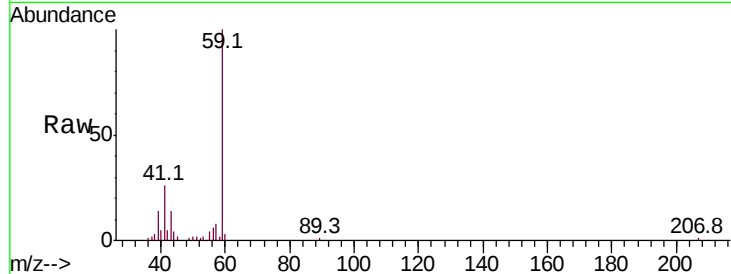
Tert butyl alcohol
Concen: 267.477 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.8	8.5	12.7#

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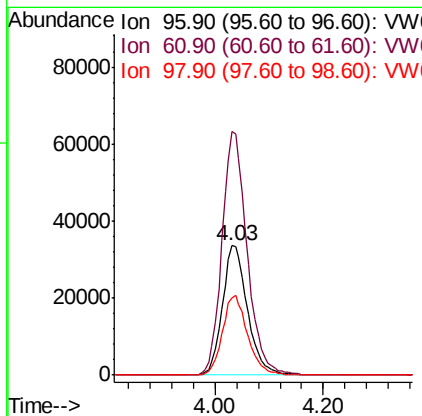
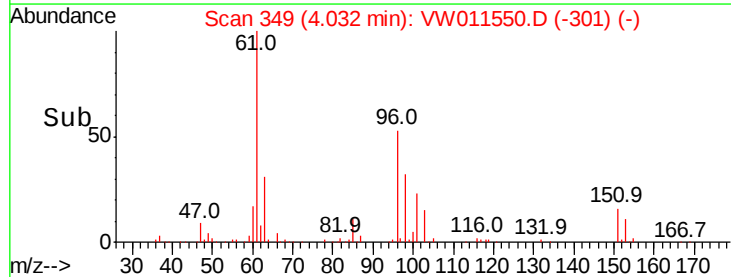
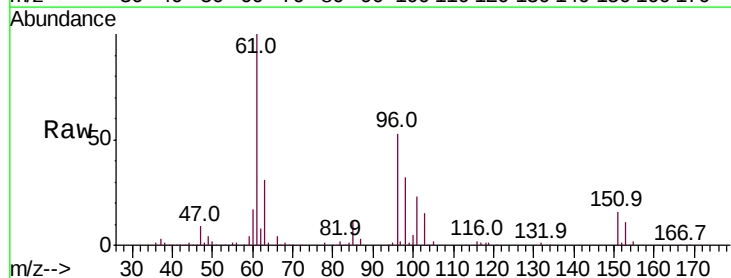
MMDadoda
7/29/2019 9:19:39 AM

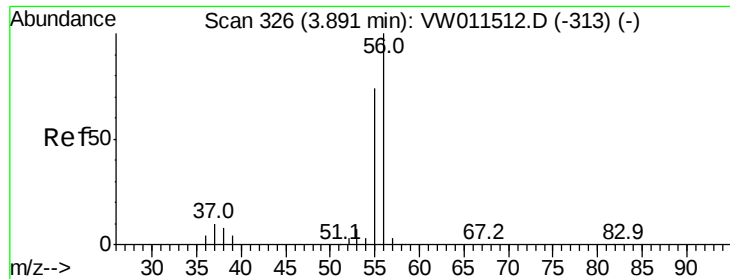


#12

1,1-Dichloroethene
Concen: 46.459 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.5	149.9	224.9
98	59.5	49.1	73.7





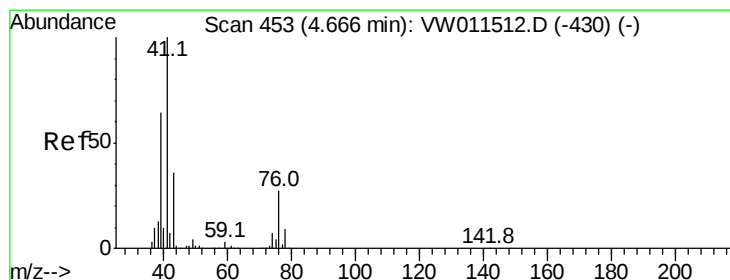
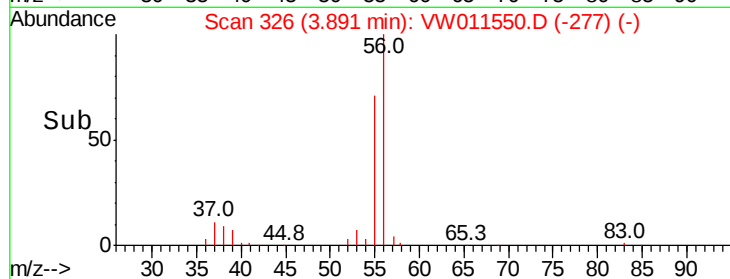
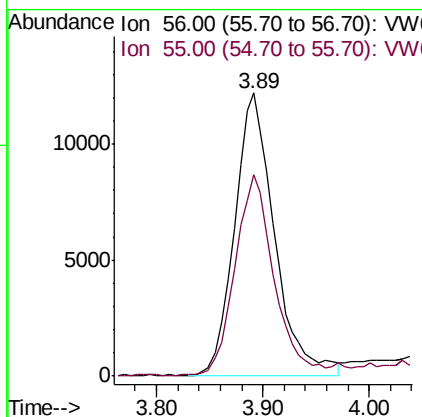
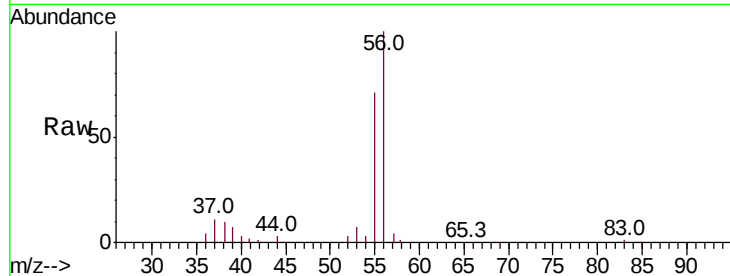
#13
Acrolein
Concen: 175.078 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.6	56.0	84.0

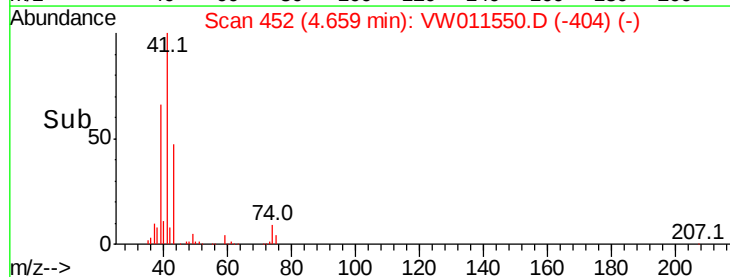
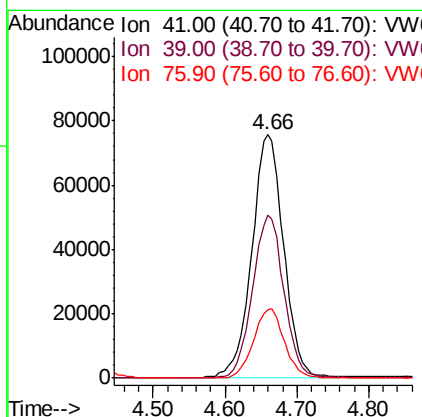
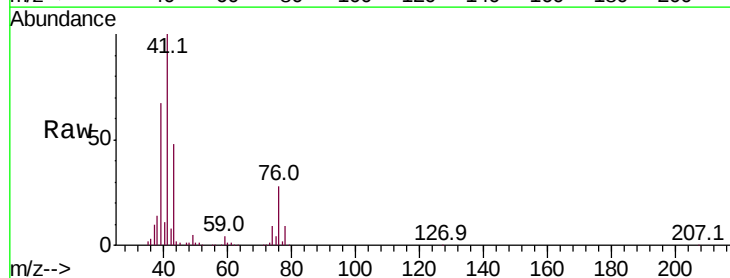
Manual Integrations
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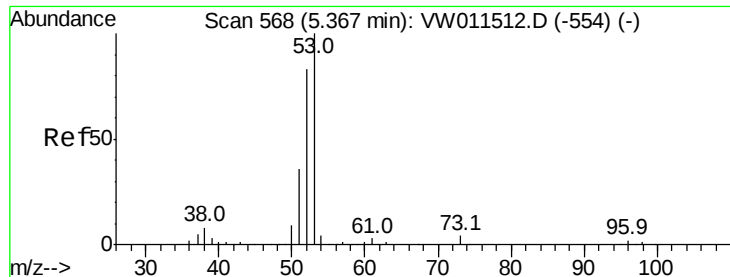
MMDadoda
7/29/2019 9:19:39 AM



#14
Allyl chloride
Concen: 46.978 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.1	52.6	78.8
76	27.2	22.0	33.0





#15

Acrylonitrile

Concen: 259.623 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

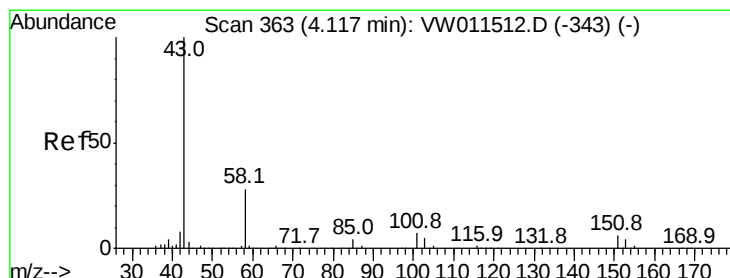
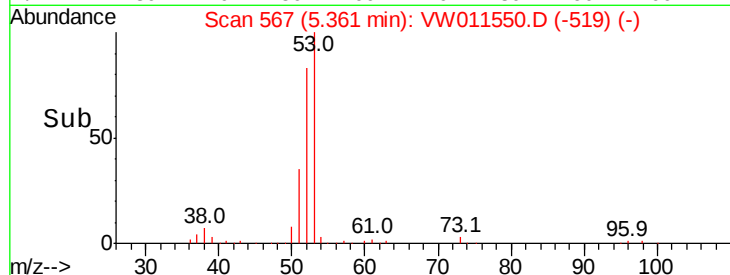
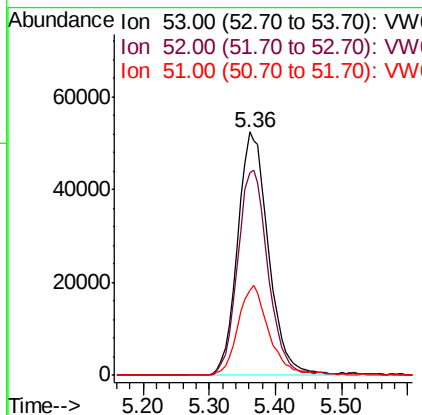
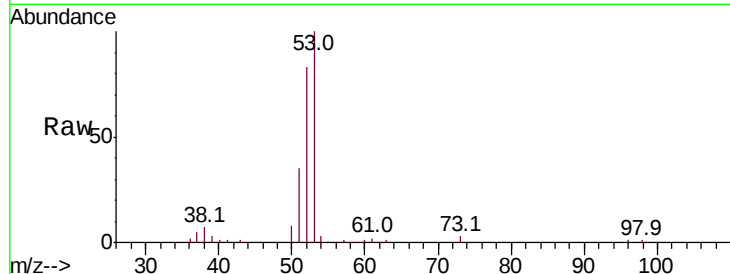
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	170391
Ion Ratio	Lower	Upper	
53	100		
52	83.0	67.2	100.8
51	36.9	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 167.797 ug/l

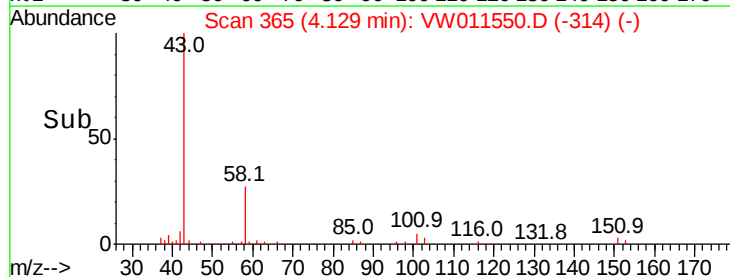
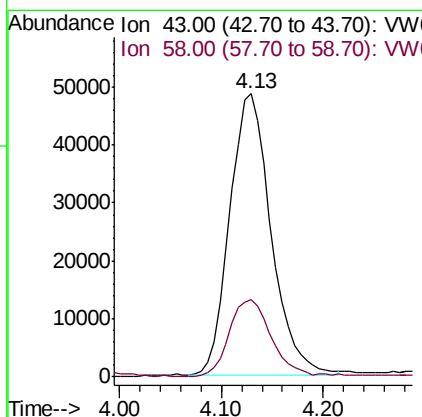
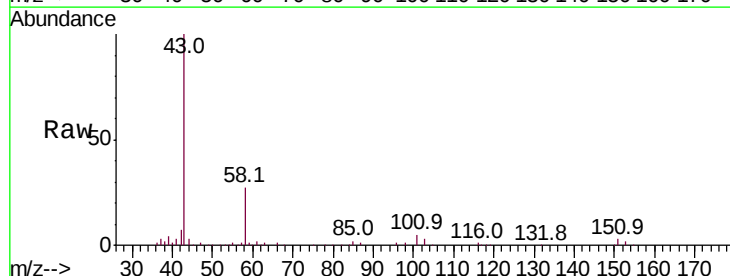
RT: 4.13 min Scan# 365

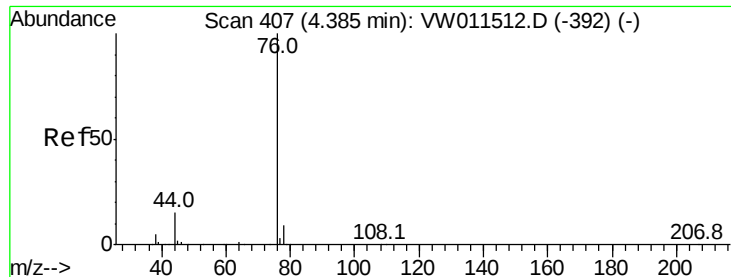
Delta R.T. 0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Tgt Ion:	43	Resp:	136682
Ion Ratio	Lower	Upper	
43	100		
58	27.0	22.3	33.5





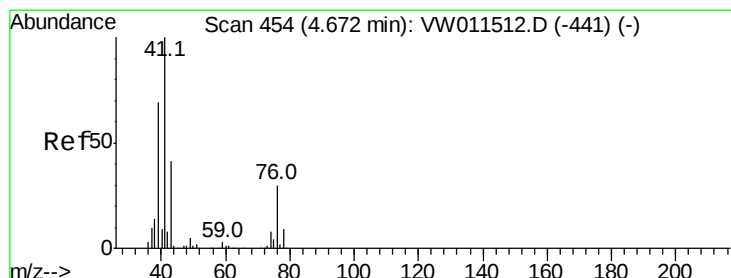
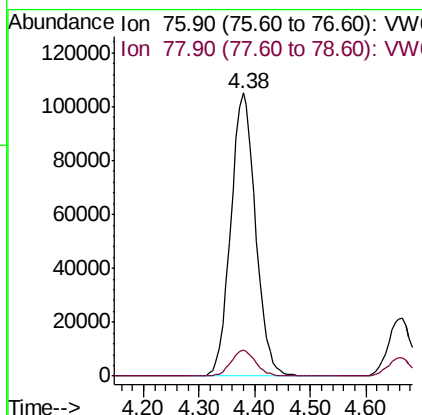
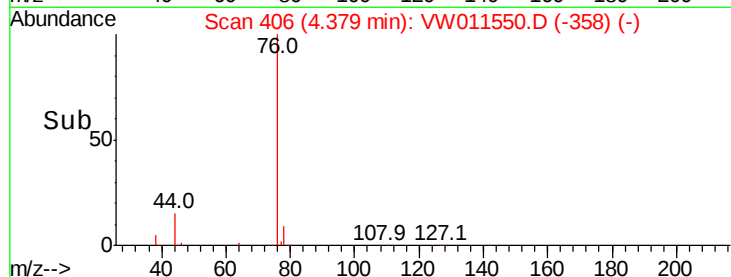
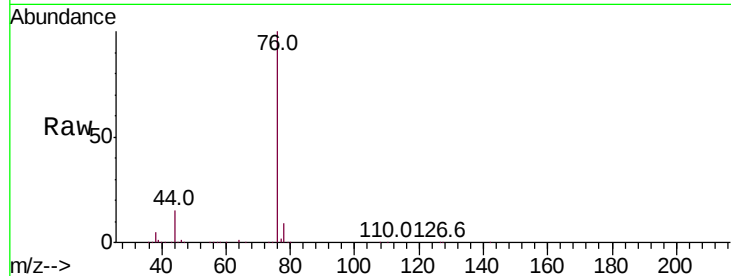
#17
Carbon Disulfide
Concen: 44.425 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

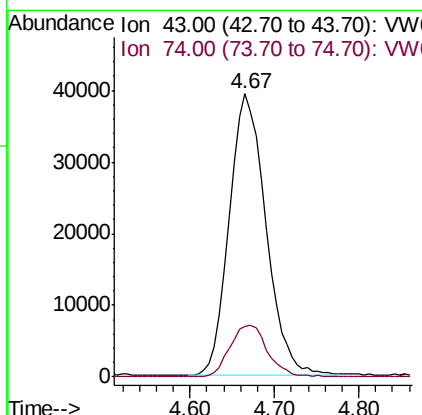
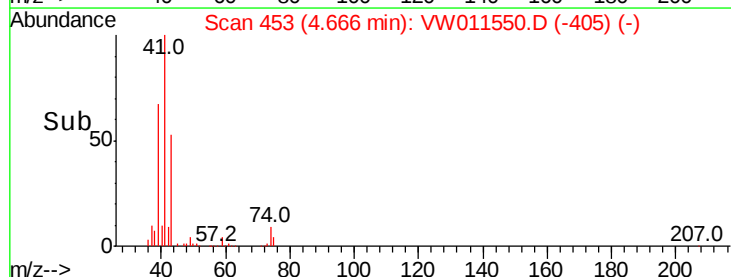
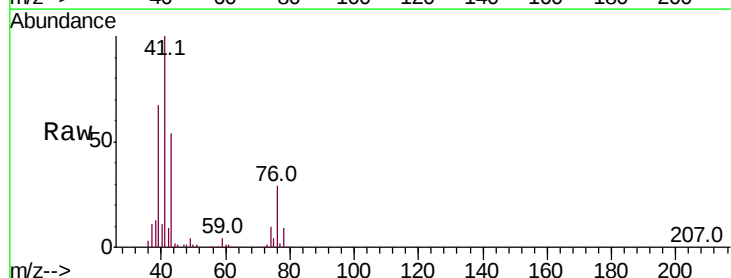
Manual Integrations
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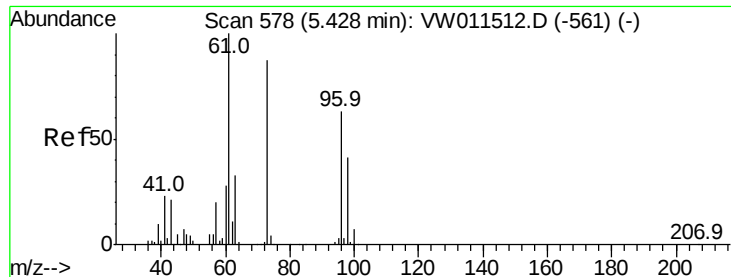
MMDadoda
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#18
Methyl Acetate
Concen: 63.687 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.9	15.9	23.9





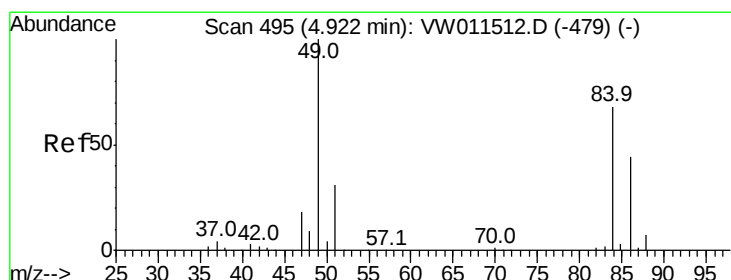
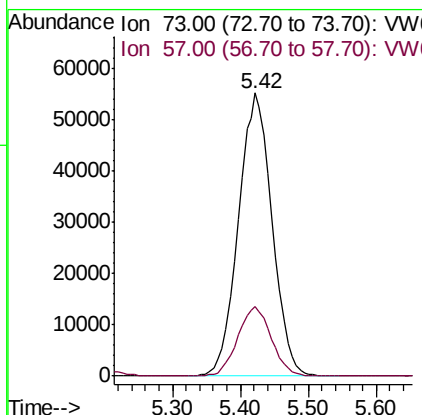
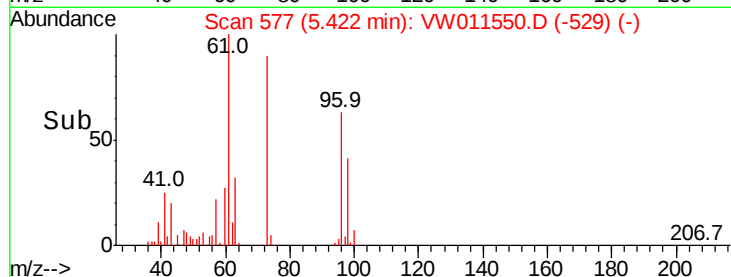
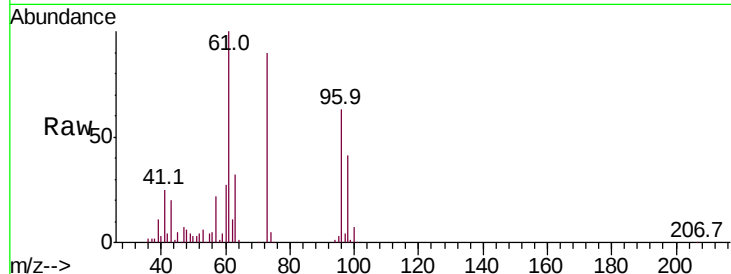
#19
Methyl tert-butyl Ether
Concen: 51.299 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 189065
Ion Ratio Lower Upper
73 100
57 24.5 18.4 27.6

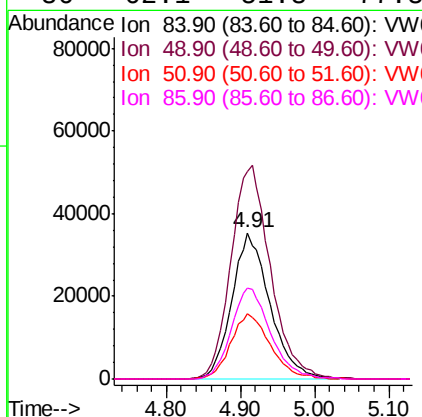
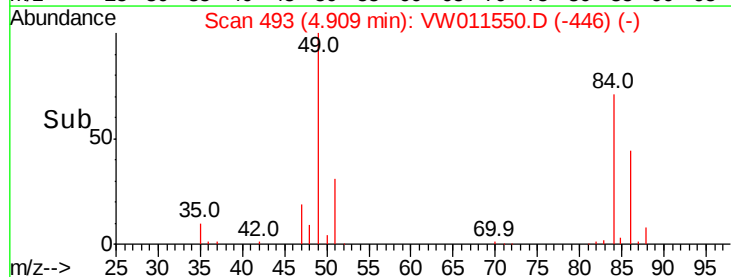
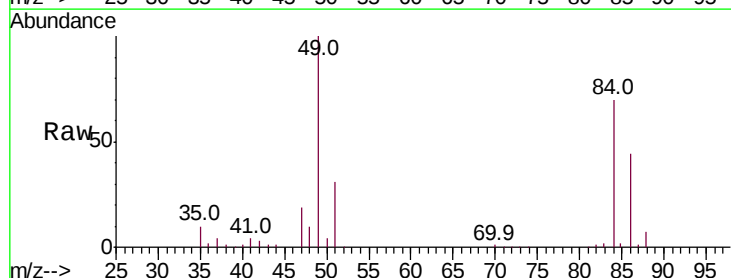
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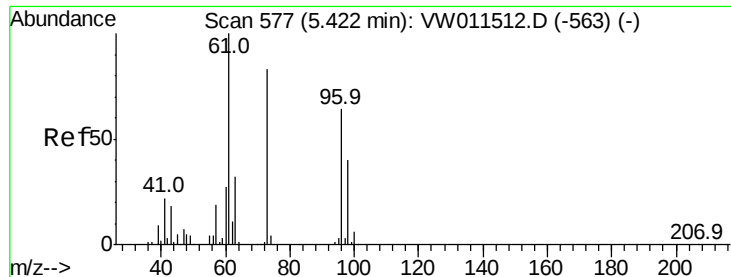
MMDadoda
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#20
Methylene Chloride
Concen: 45.036 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion: 84 Resp: 126519
Ion Ratio Lower Upper
84 100
49 142.0 117.8 176.6
51 44.3 37.0 55.4
86 62.1 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 48.770 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 122118

Ion Ratio Lower Upper

96 100

61 170.2 125.7 188.5

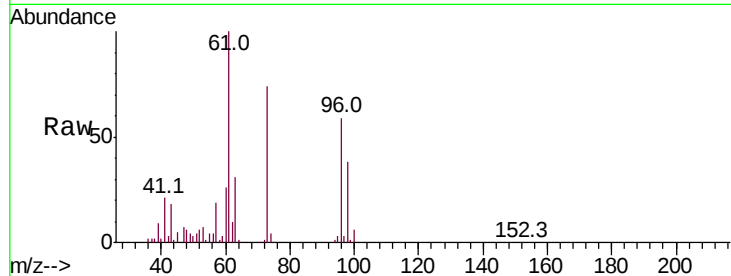
98 65.2 50.3 75.5

Manual Integrations

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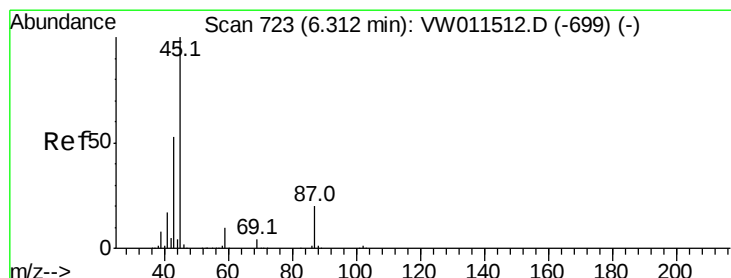
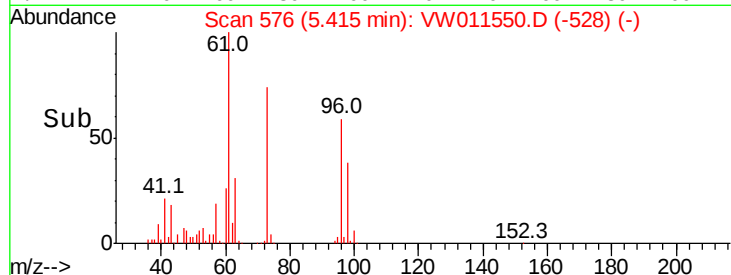
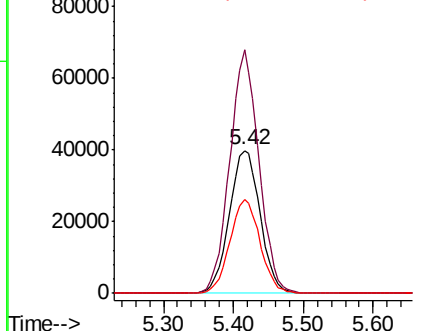
7/29/2019 9:19:39 AM



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 51.194 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Tgt Ion: 45 Resp: 476788

Ion Ratio Lower Upper

45 100

43 54.7 42.6 63.8

87 20.2 16.4 24.6

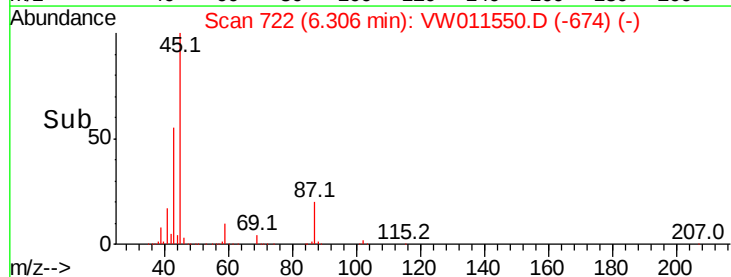
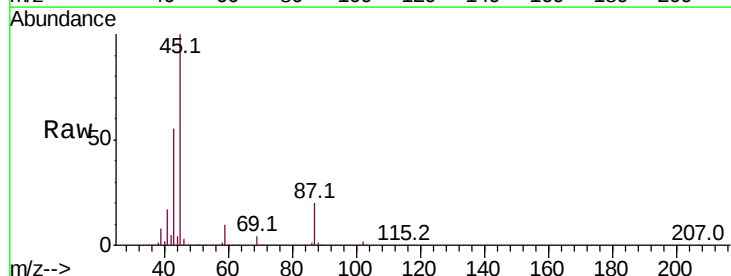
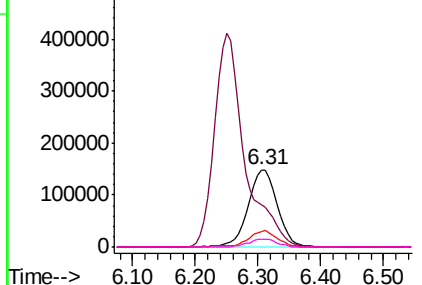
59 9.7 8.2 12.2

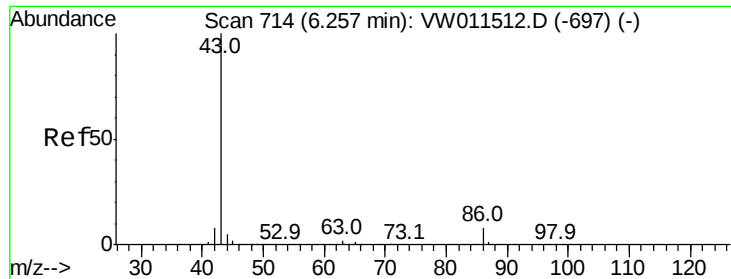
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 233.717 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1367727

Ion Ratio Lower Upper

43 100

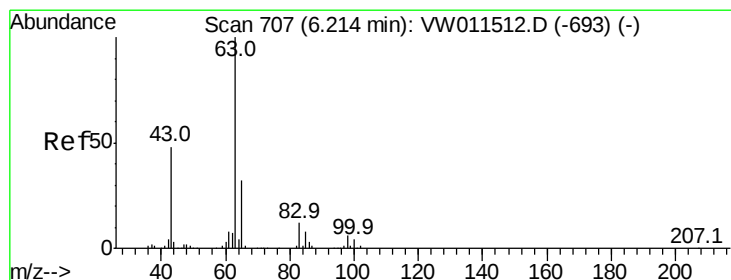
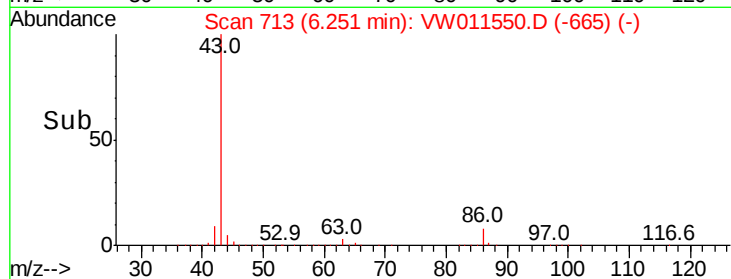
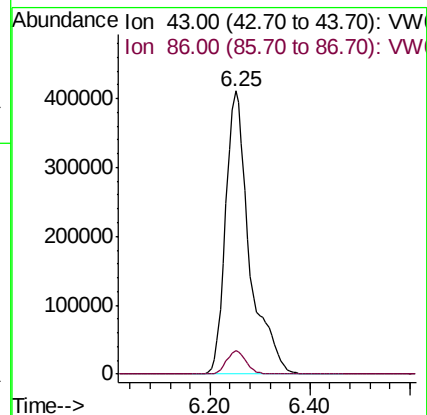
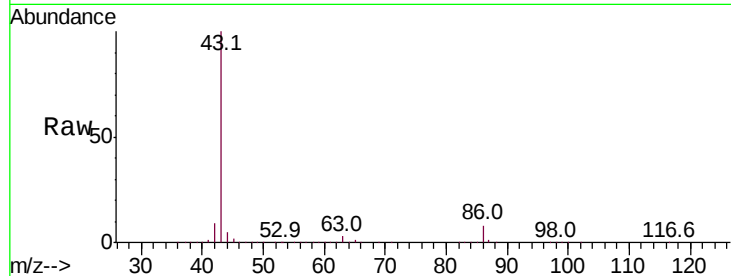
86 8.4 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.432 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

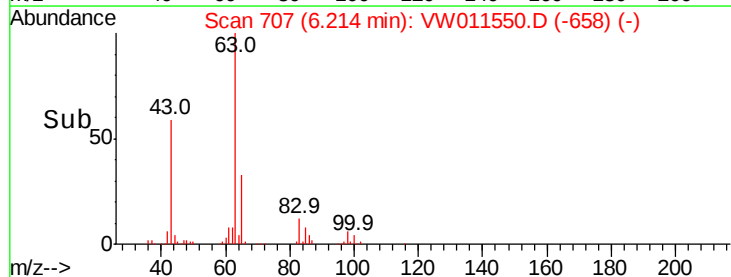
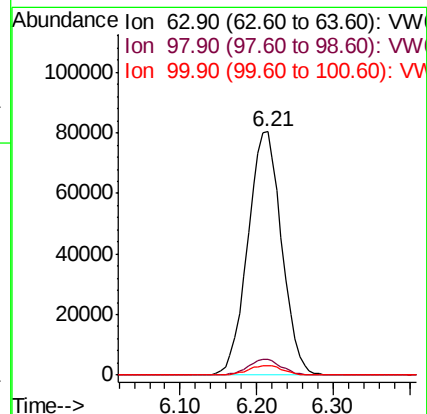
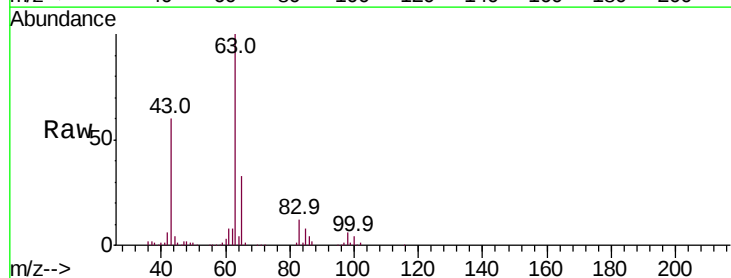
Tgt Ion: 63 Resp: 246563

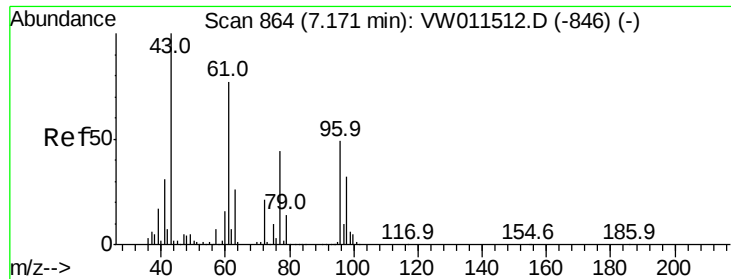
Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 226.811 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 241754

Ion Ratio Lower Upper

43 100

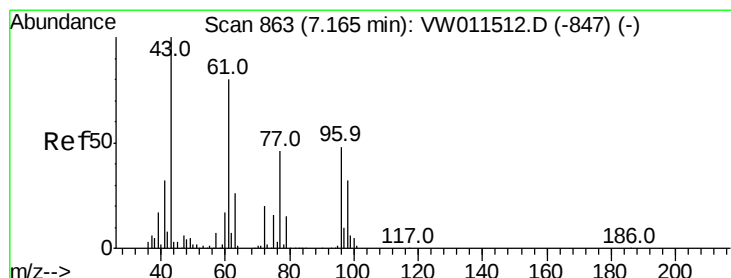
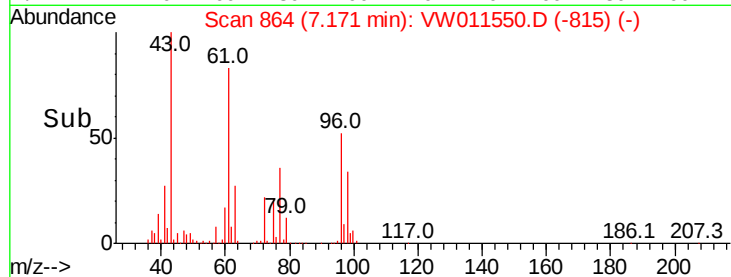
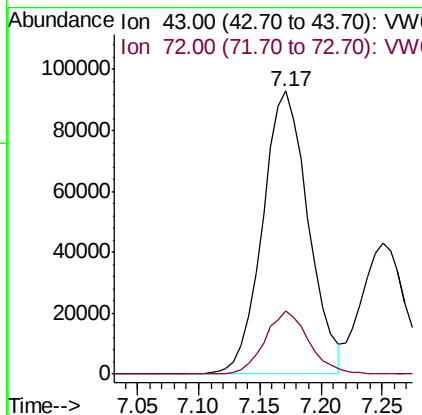
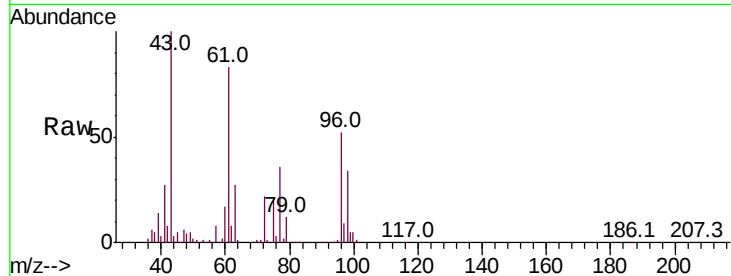
72 22.5 16.6 24.8

Manual Integrations

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7/29/2019 9:19:39 AM



#26

2,2-Dichloropropane

Concen: 36.832 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011550.D

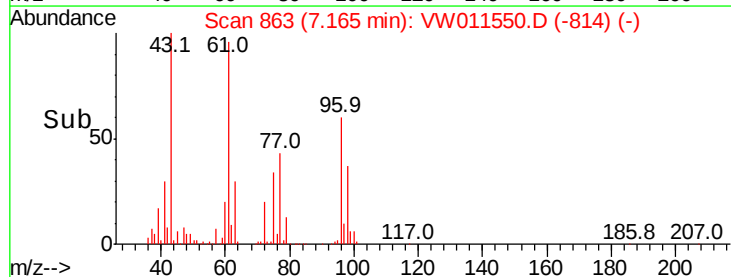
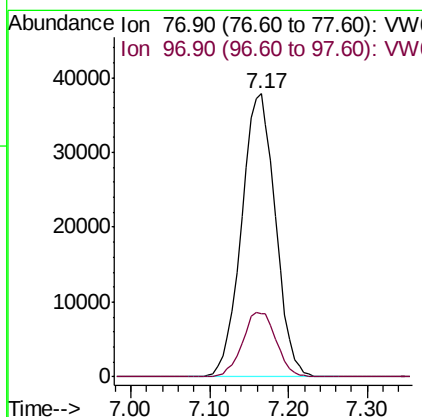
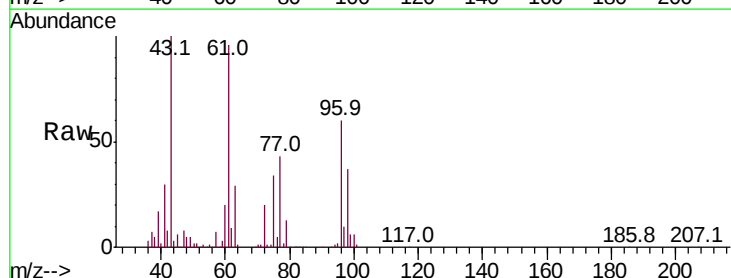
Acq: 27 Jul 2019 06:54

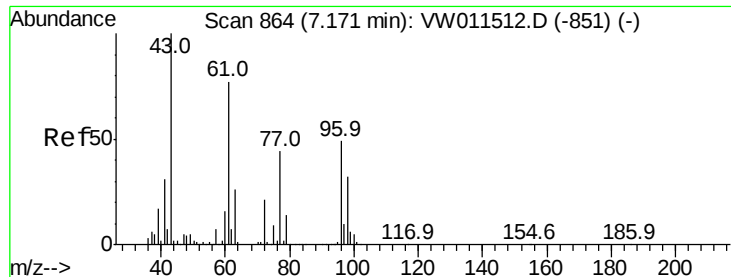
Tgt Ion: 77 Resp: 112983

Ion Ratio Lower Upper

77 100

97 22.5 10.8 32.4





#27

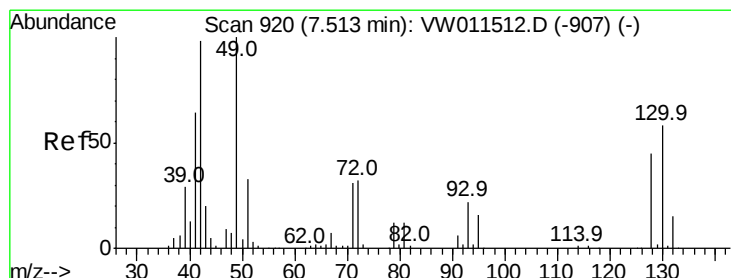
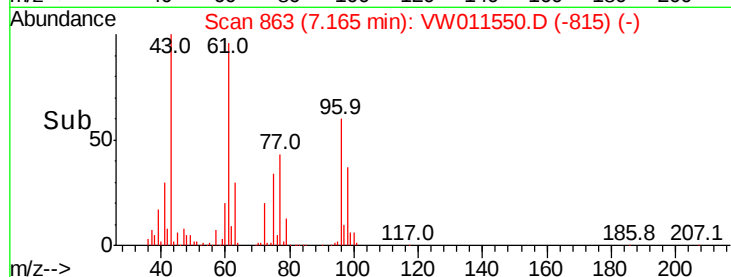
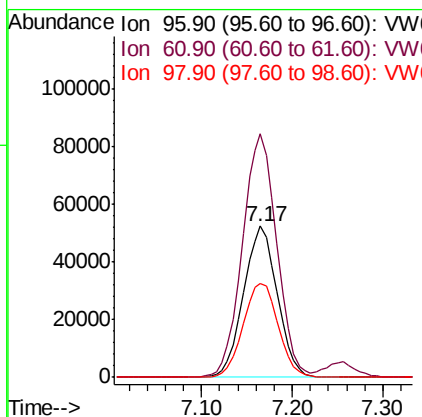
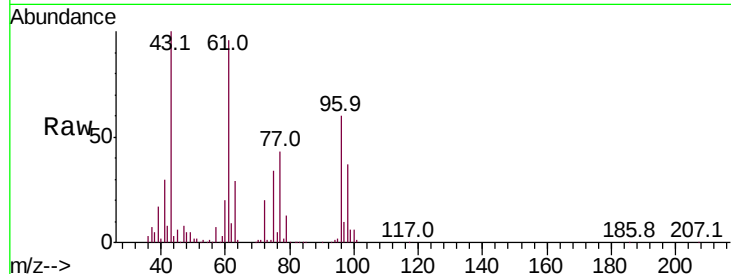
cis-1,2-Dichloroethene
Concen: 49.130 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.5	0.0	328.4
98	64.3	0.0	128.8

Manual Integrations
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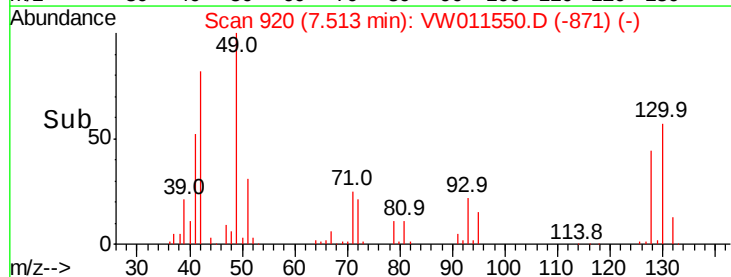
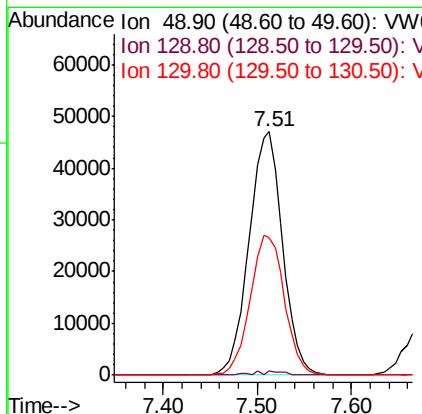
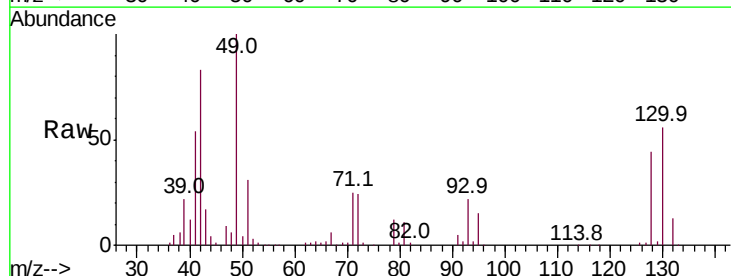
MMDadoda
7/29/2019 9:19:39 AM

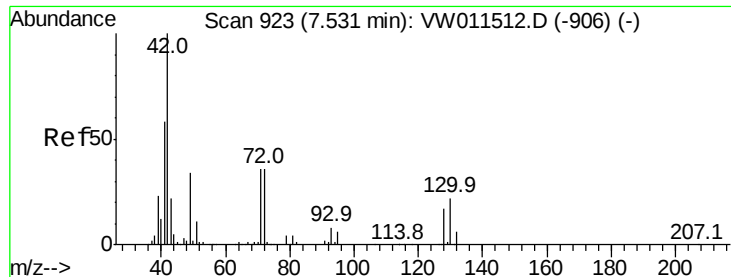


#28

Bromochloromethane
Concen: 52.743 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.0#
130	58.6	46.3	69.5





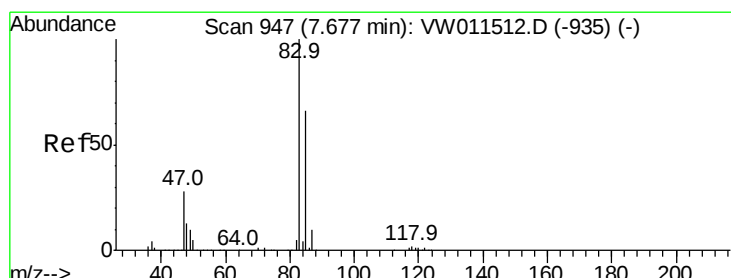
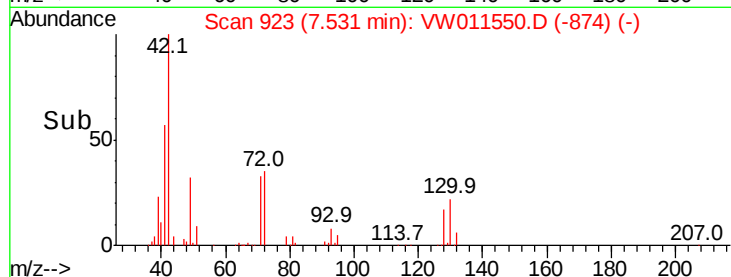
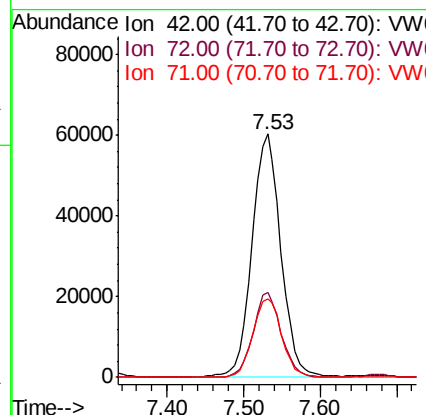
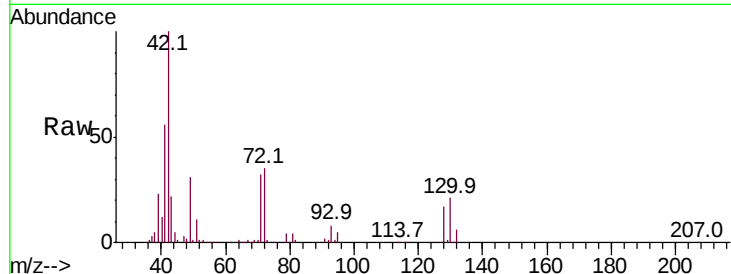
#29
Tetrahydrofuran
Concen: 259.111 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.1	40.7
71	32.6	26.2	39.4

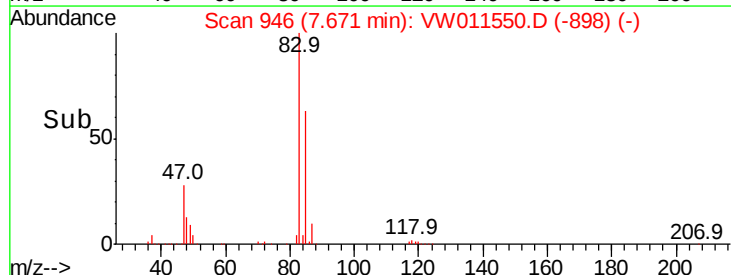
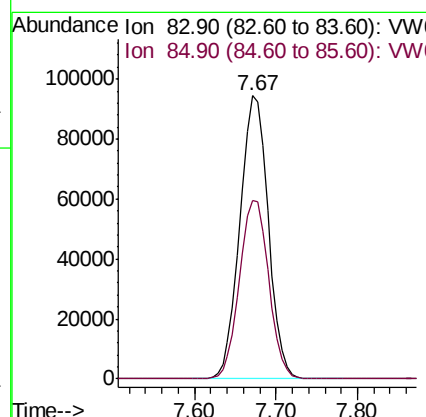
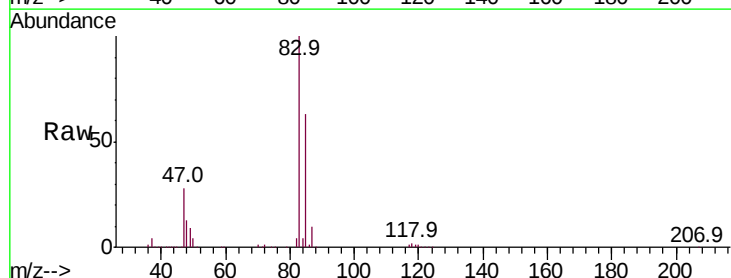
Manual Integrations
APPROVED

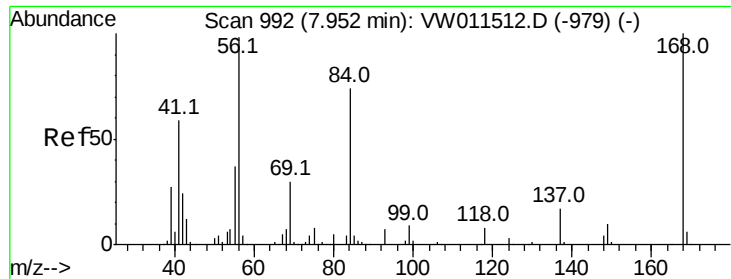
MMDadoda
7/29/2019 9:19:39 AM



#30
Chloroform
Concen: 49.456 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.5	78.7





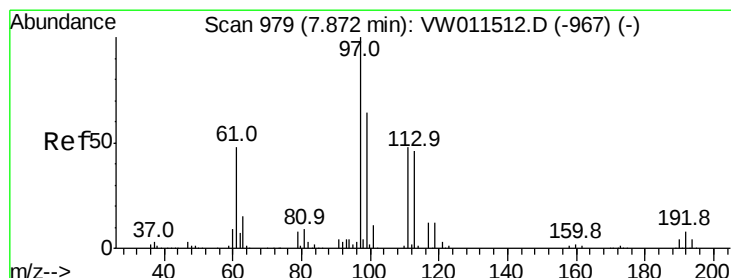
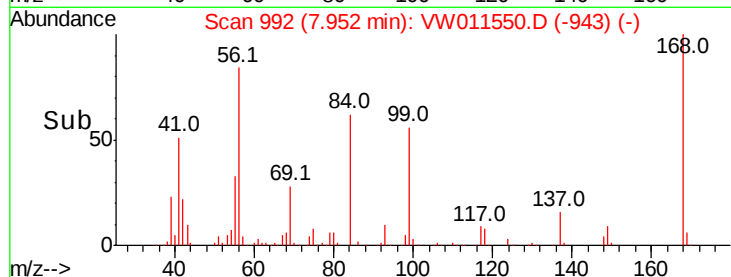
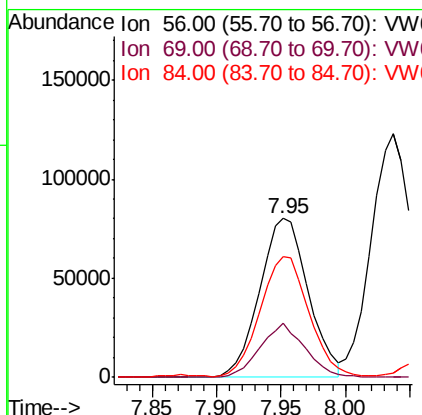
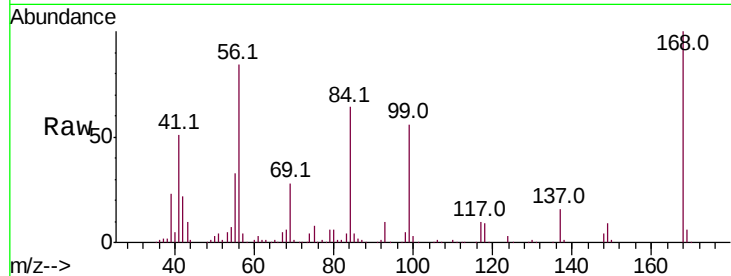
#31
Cyclohexane
Concen: 43.782 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	24.3	36.5
84	74.8	60.4	90.6

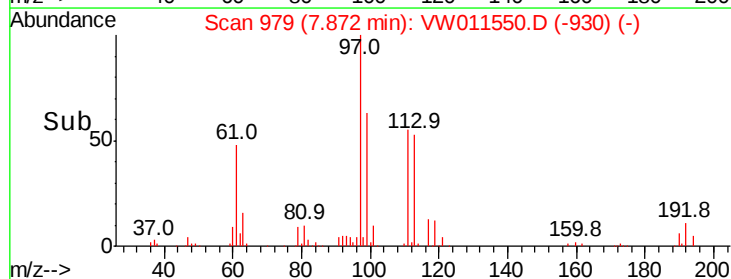
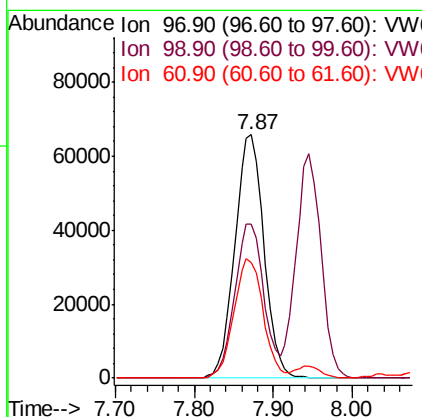
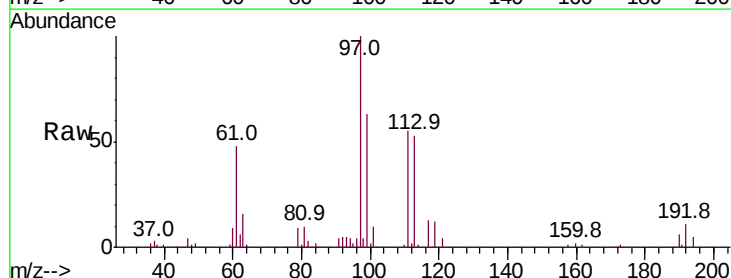
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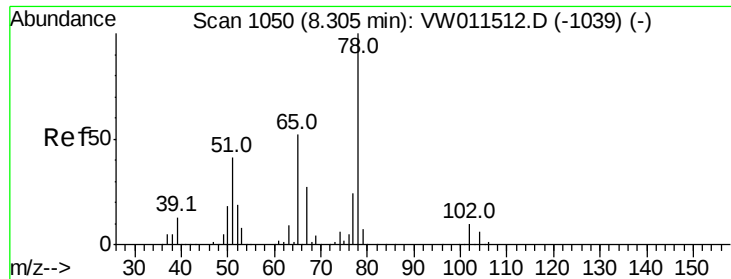
MMDadoda
7/29/2019 9:19:39 AM



#32
1,1,1-Trichloroethane
Concen: 48.101 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	49.6	39.8	59.6





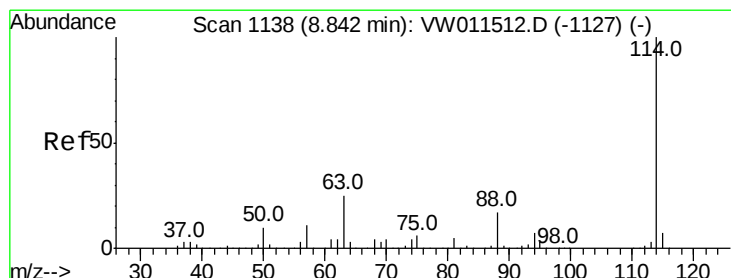
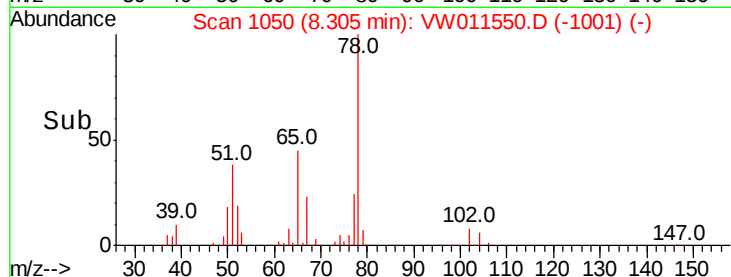
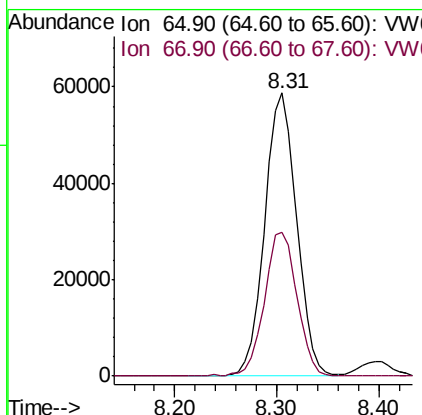
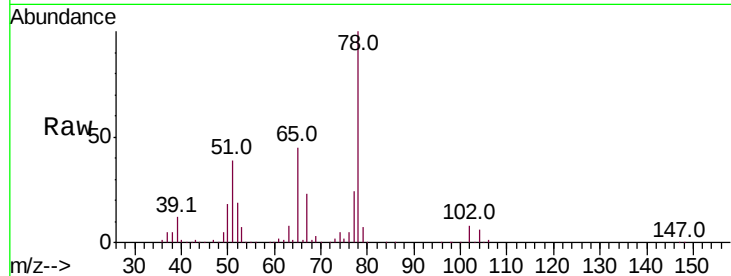
#33
 1,2-Dichloroethane-d4
 Concen: 49.579 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	126959		
67	52.1	0.0	105.2	

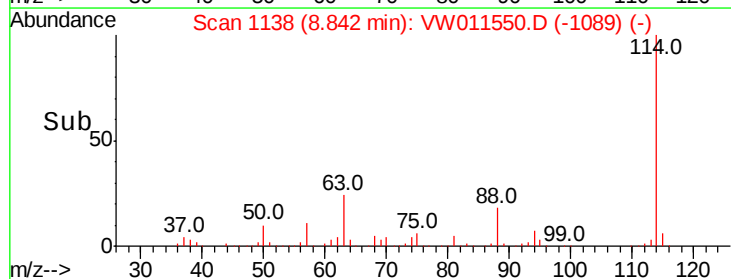
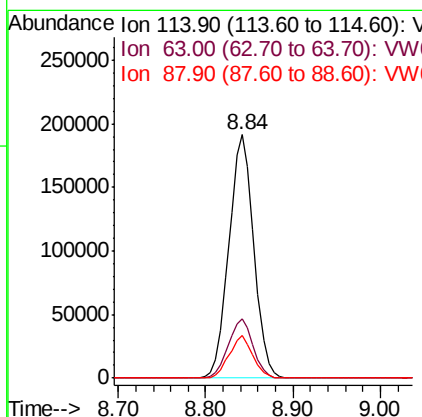
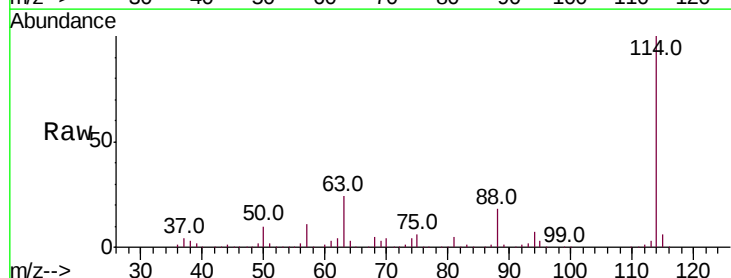
Manual Integrations
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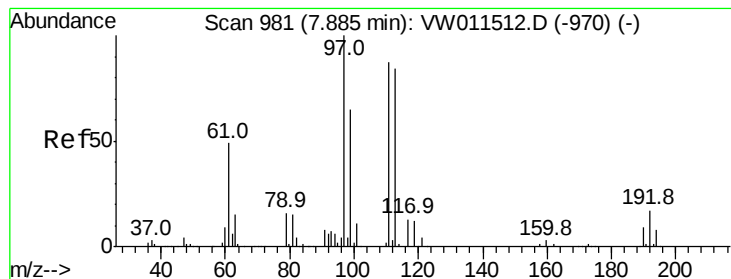
MMDadoda
 7/29/2019 9:19:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	377098		
63	24.5	0.0	49.2	
88	17.6	0.0	33.8	





#35

Dibromofluoromethane

Concen: 47.209 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 99874

Ion Ratio Lower Upper

113 100

111 103.8 82.7 124.1

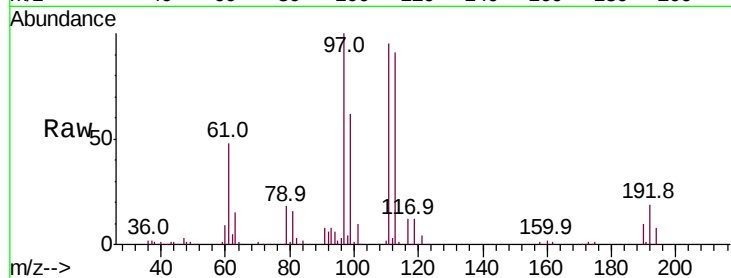
192 20.7 16.1 24.1

Manual Integrations

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MMDadoda

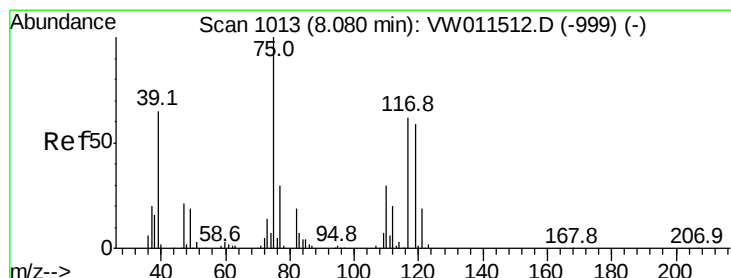
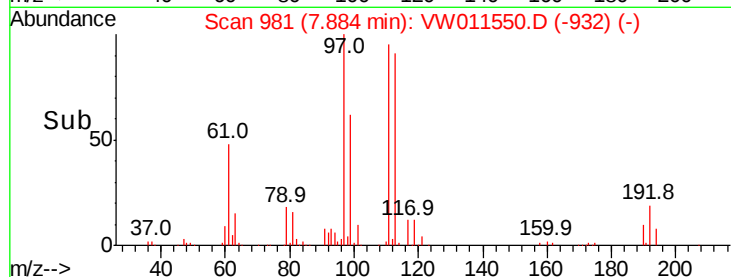
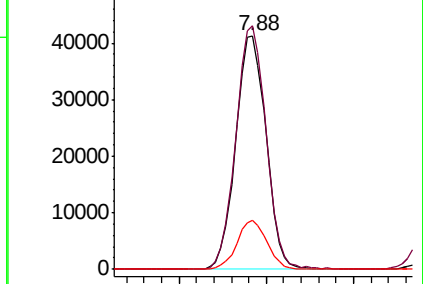
7/29/2019 9:19:39 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.424 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

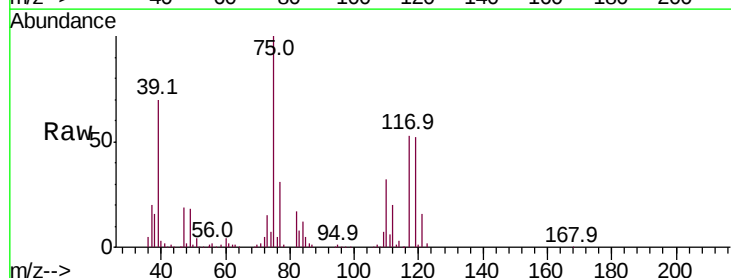
Tgt Ion: 75 Resp: 178115

Ion Ratio Lower Upper

75 100

110 32.1 15.6 46.8

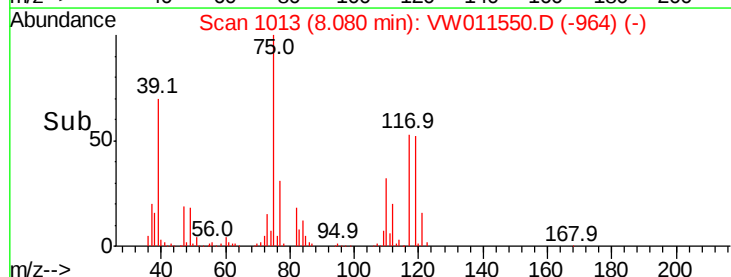
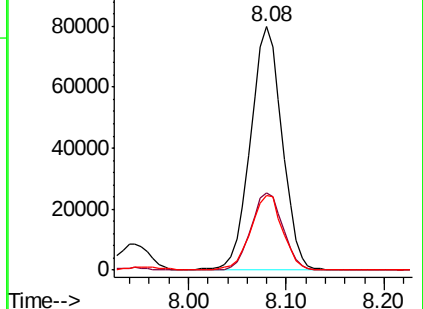
77 31.3 24.3 36.5

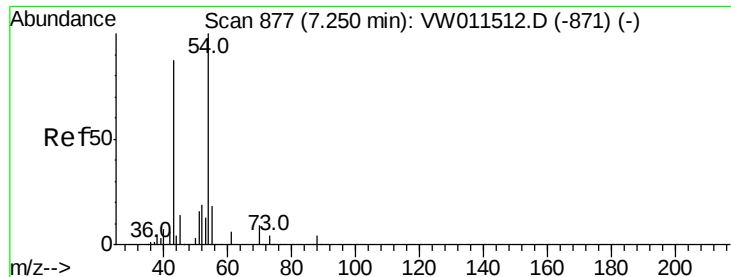


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





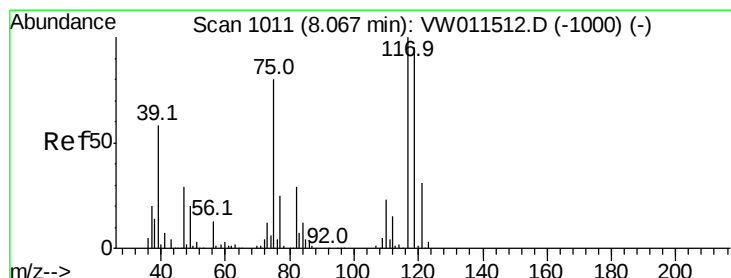
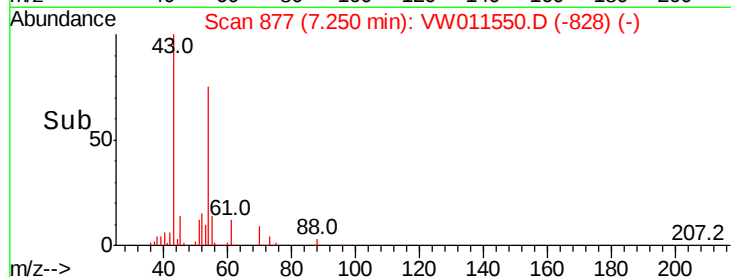
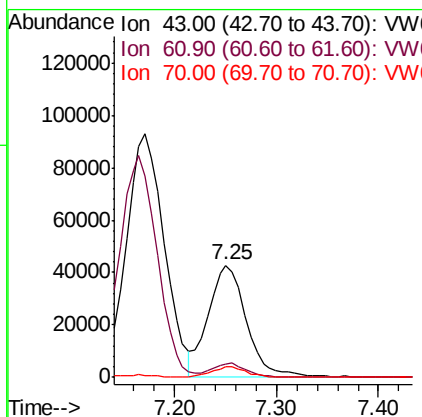
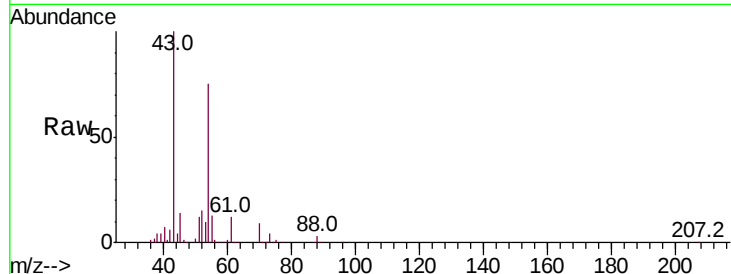
#37
Ethyl Acetate
Concen: 48.808 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	8.8	13.2
70	8.7	7.1	10.7

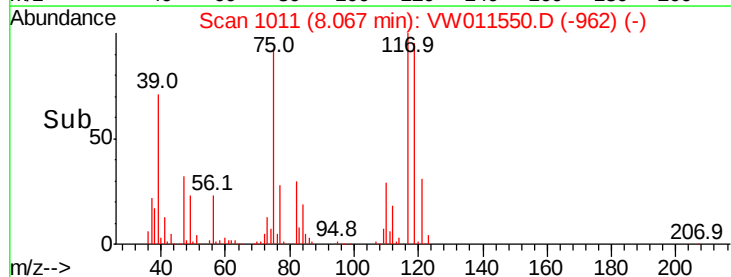
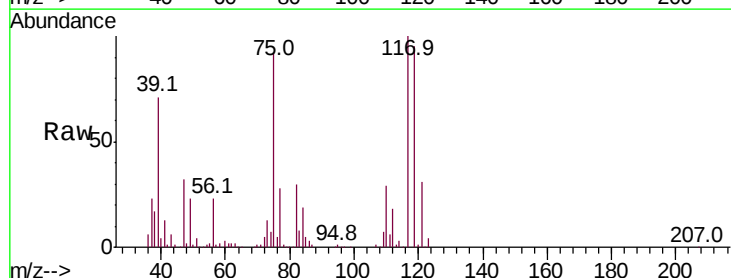
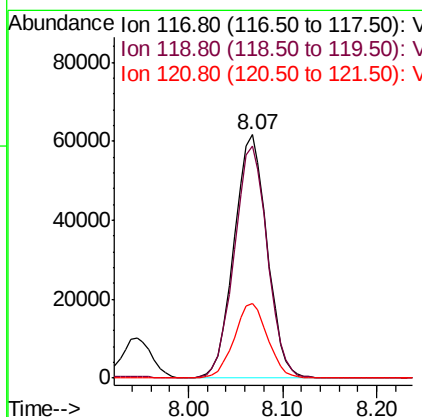
Manual Integrations
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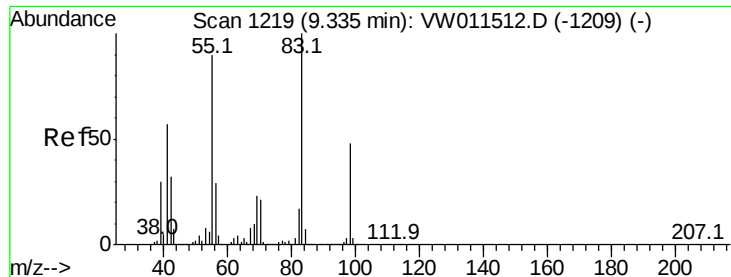
MMDadoda
7/29/2019 9:19:39 AM



#38
Carbon Tetrachloride
Concen: 44.764 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.8	113.6
121	30.8	24.7	37.1





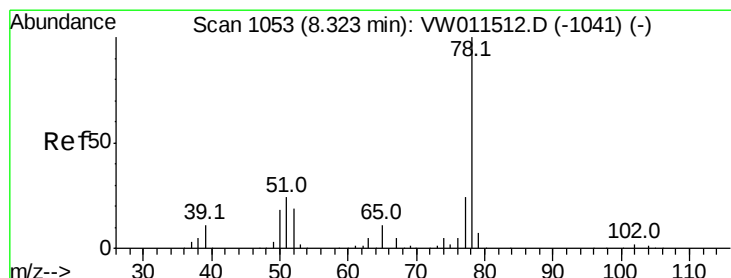
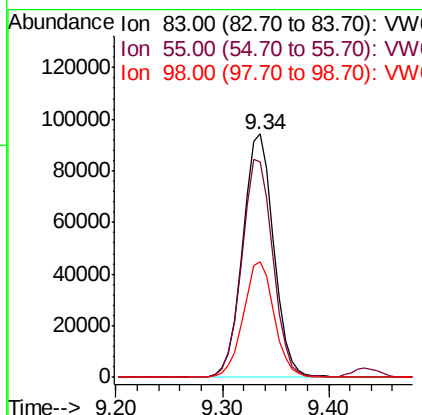
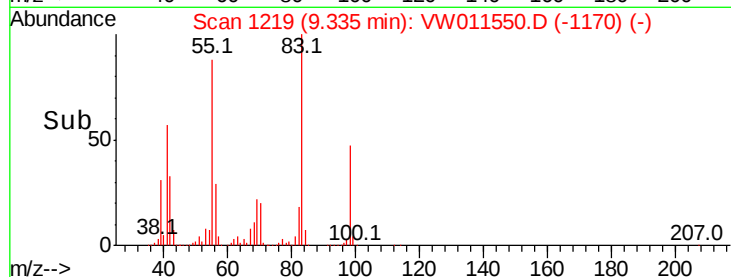
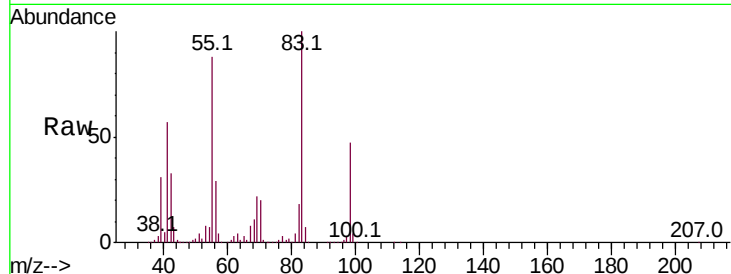
#39
Methvlcvclohexane
Concen: 44.849 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	193642
Ion Ratio	100	Lower	Upper
83	100		
55	88.4	72.1	108.1
98	47.4	38.6	57.8

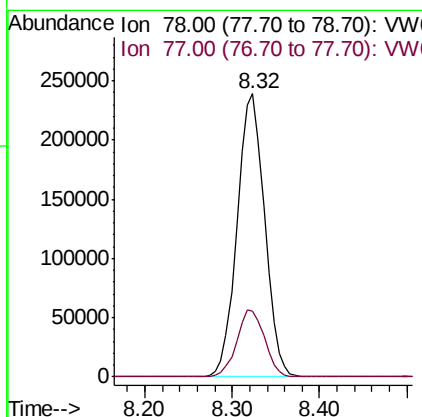
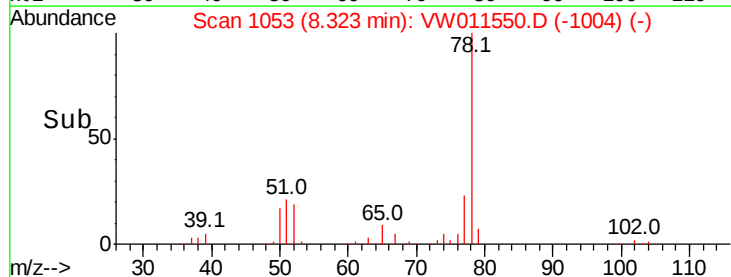
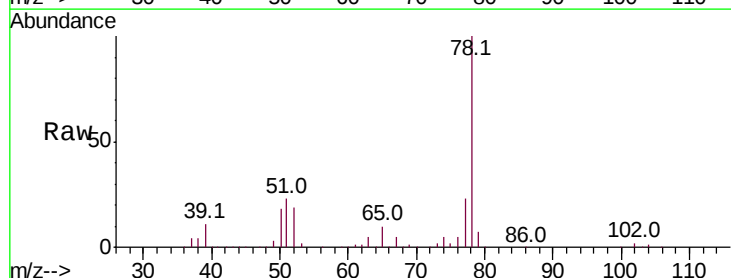
Manual Integrations
APPROVED

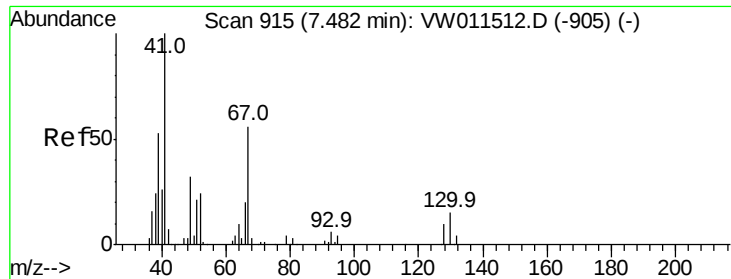
MMDadoda
7/29/2019 9:19:39 AM



#40
Benzene
Concen: 47.803 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	78	Resp	525035
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	19.4	29.0





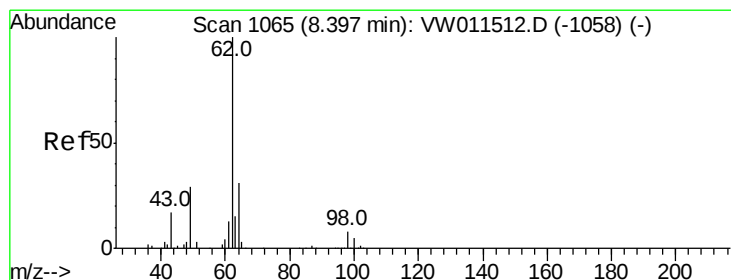
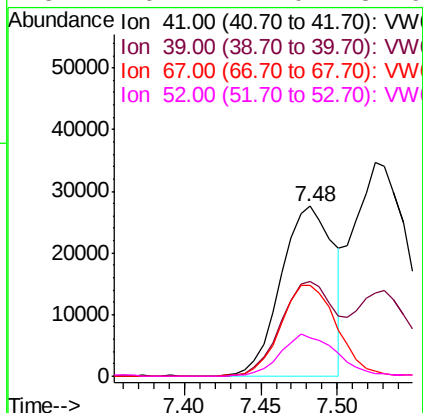
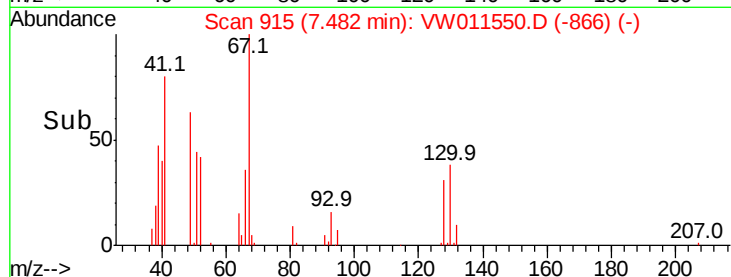
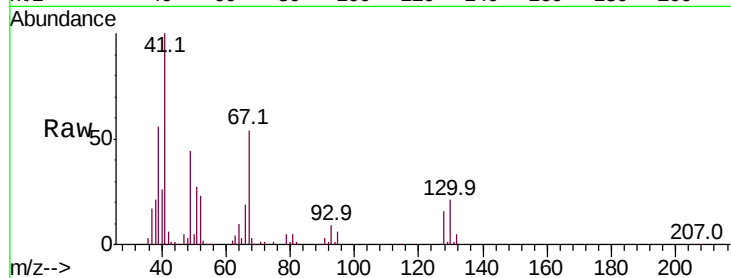
#41
Methacrylonitrile
Concen: 48.958 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.1	43.0	64.4
67	57.6	47.5	71.3
52	26.7	21.0	31.6

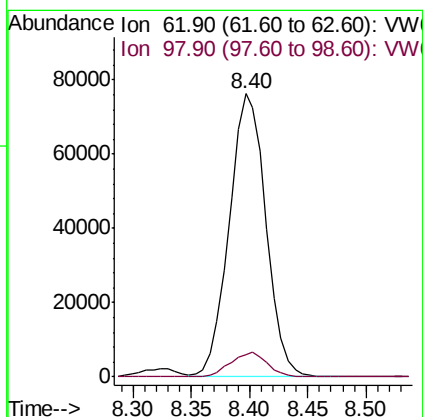
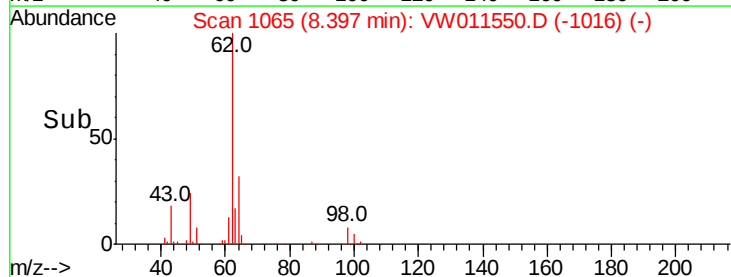
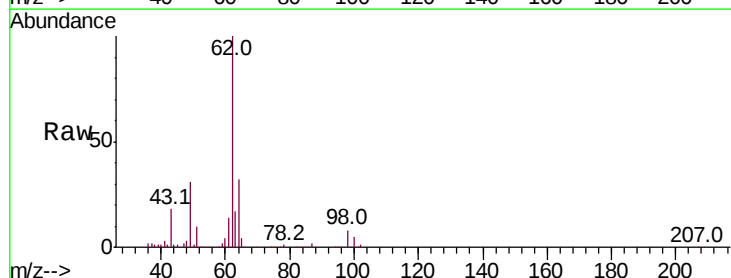
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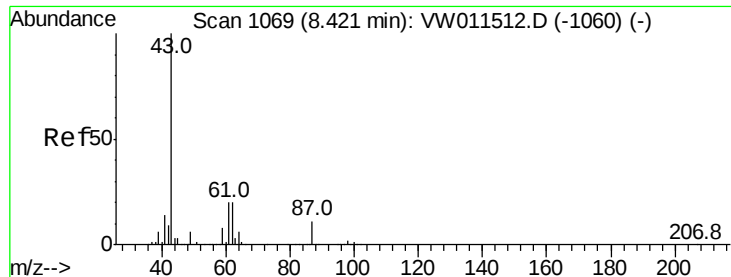
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#42
1,2-Dichloroethane
Concen: 48.481 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8





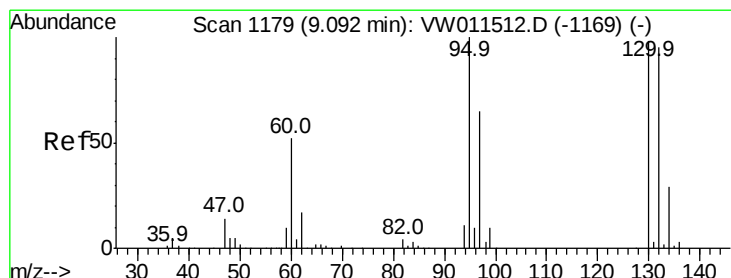
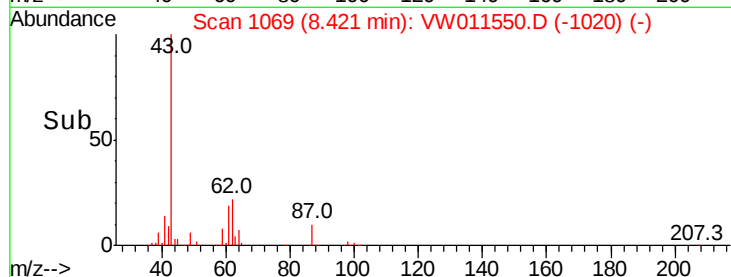
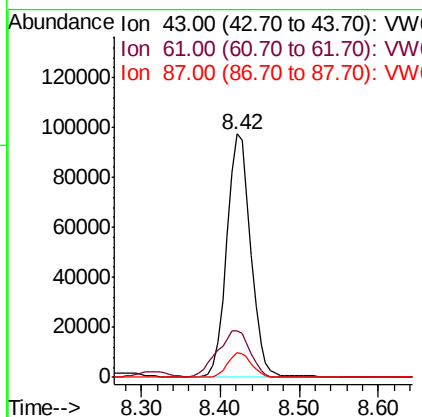
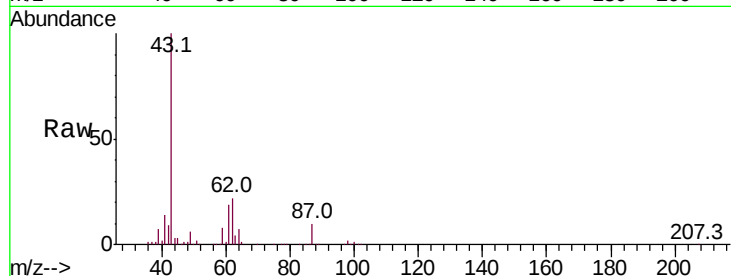
#43
Isopropyl Acetate
Concen: 49.311 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.5	32.3
87	10.3	8.4	12.6

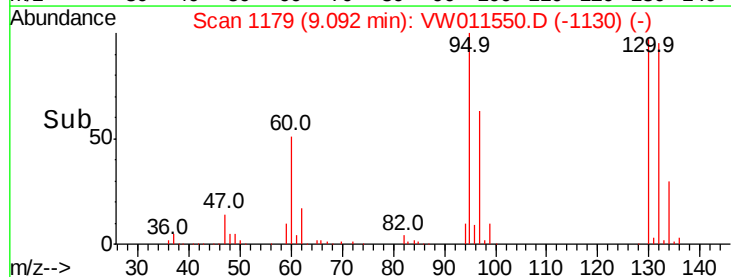
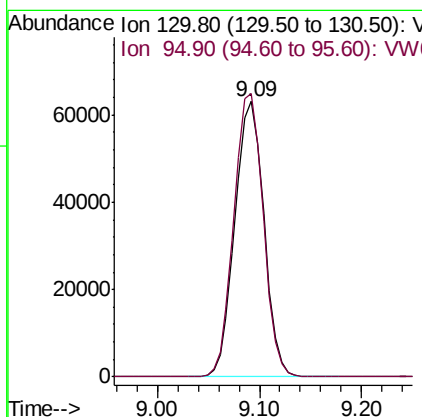
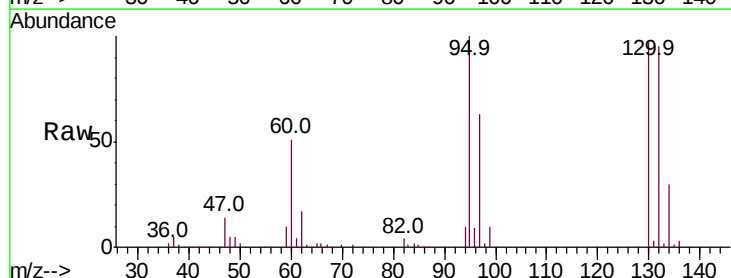
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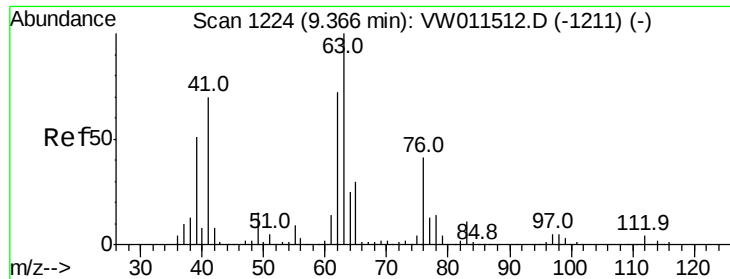
MMDadoda
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#44
Trichloroethene
Concen: 47.295 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	204.8





#45

1,2-Dichloropropane

Concen: 48.379 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 142176

Ion Ratio Lower Upper

63 100

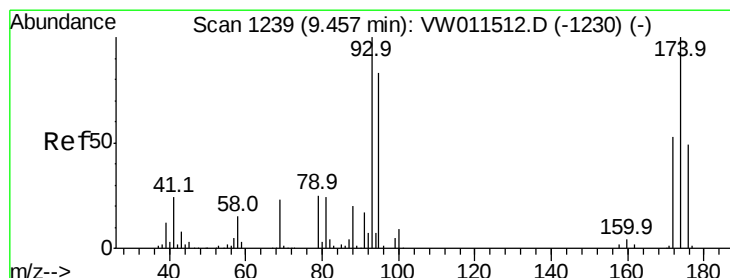
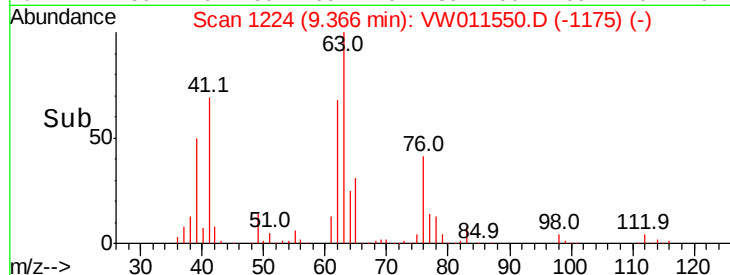
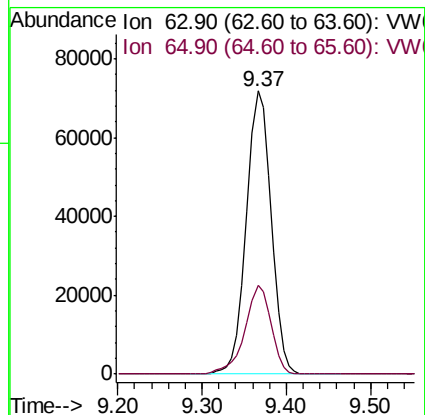
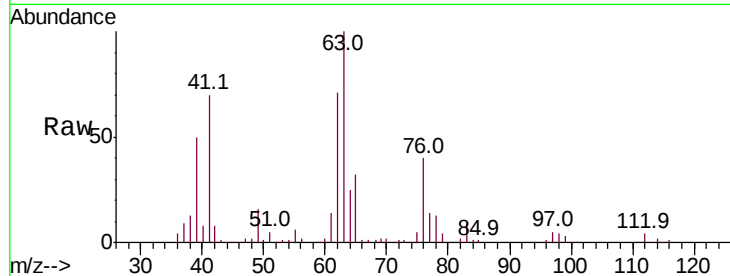
65 31.6 24.2 36.4

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#46

Dibromomethane

Concen: 49.257 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

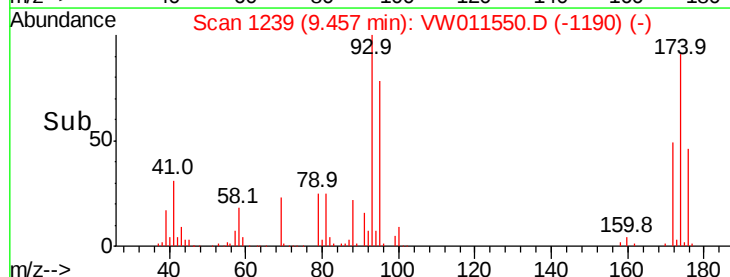
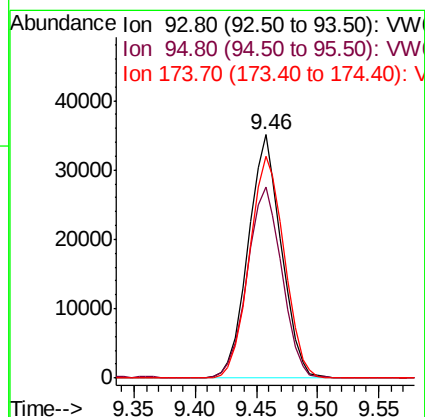
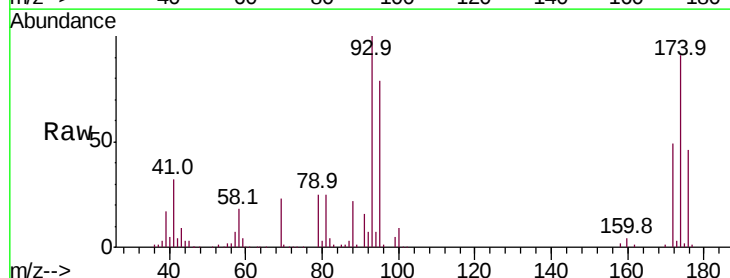
Tgt Ion: 93 Resp: 66069

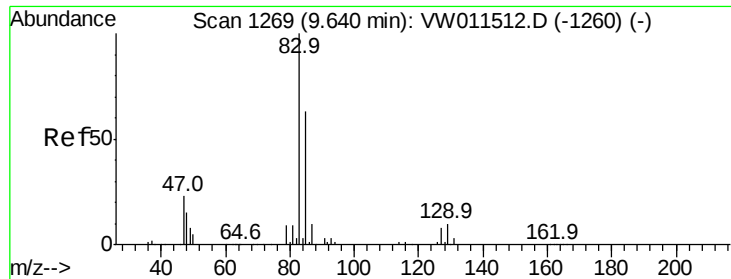
Ion Ratio Lower Upper

93 100

95 81.8 66.2 99.2

174 96.1 78.2 117.4





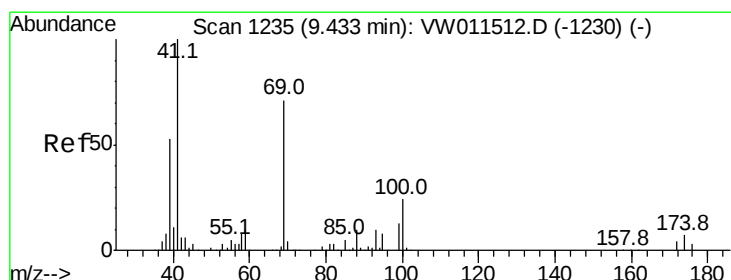
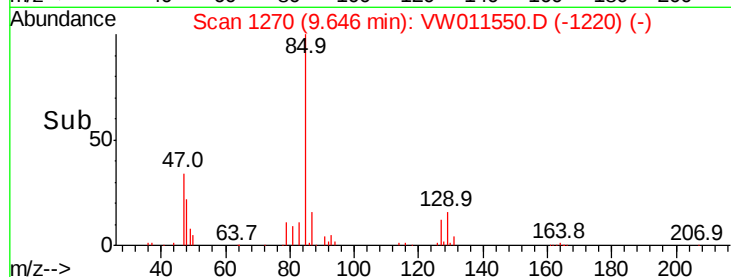
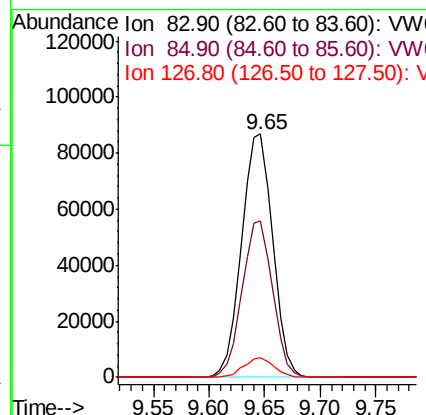
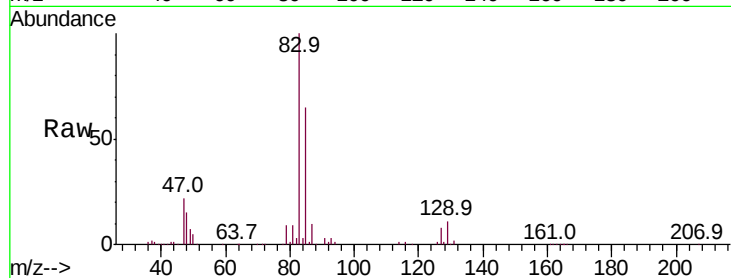
#47
Bromodichloromethane
Concen: 47.915 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	168585		
85	64.6	50.5	75.7	
127	8.0	6.4	9.6	

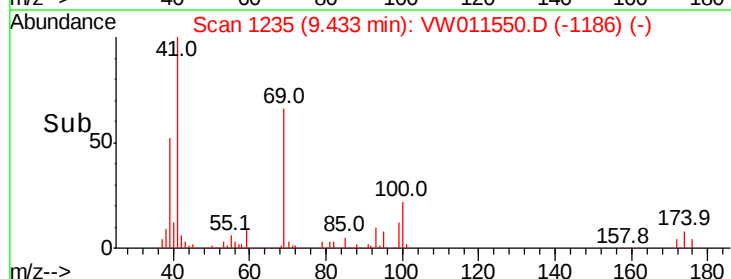
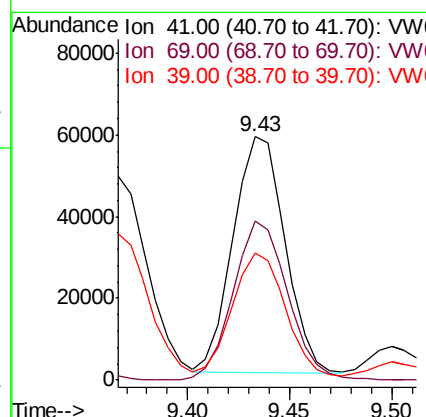
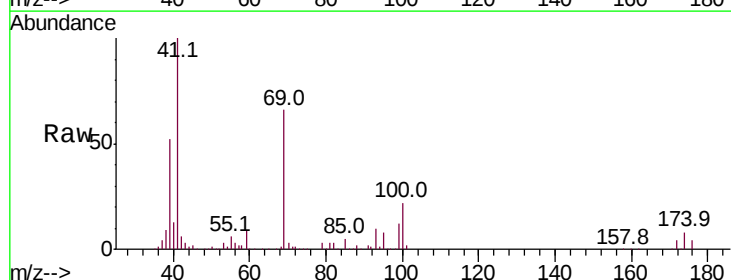
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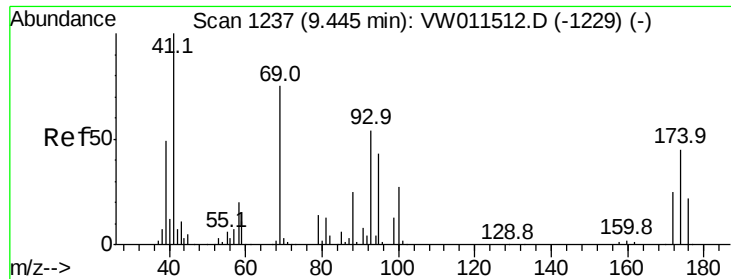
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#48
Methyl methacrylate
Concen: 51.398 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	102434		
69	70.5	57.1	85.7	
39	56.1	45.4	68.2	





#49

1,4-Dioxane

Concen: 988.091 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 19190

Ion Ratio Lower Upper

88 100

43 0.0 34.0 51.0#

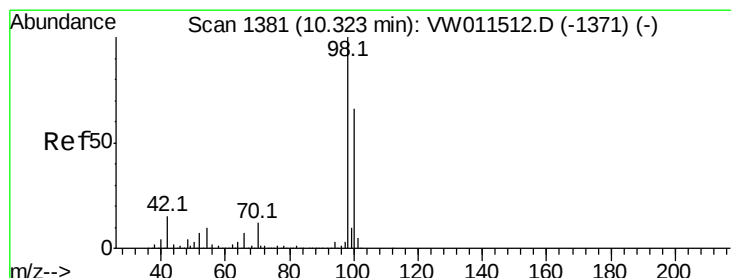
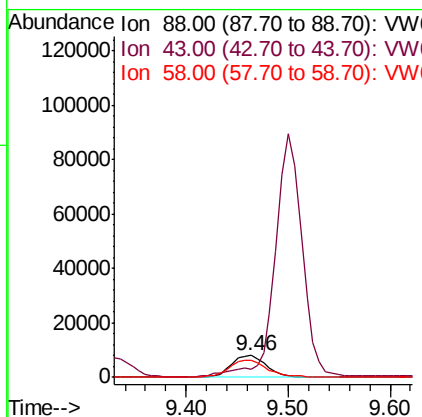
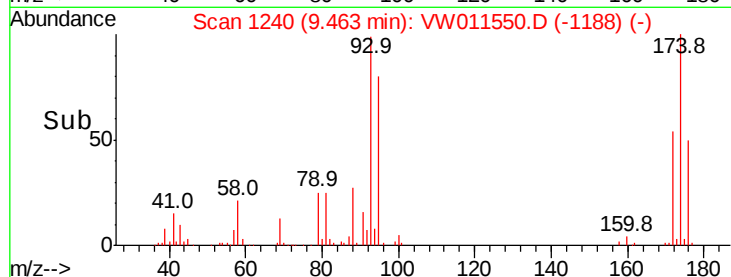
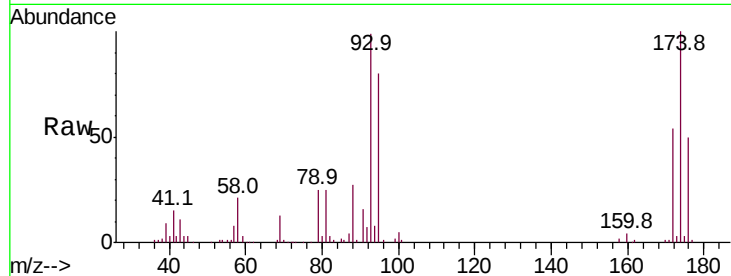
58 87.7 69.7 104.5

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#50

Toluene-d8

Concen: 46.879 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011550.D

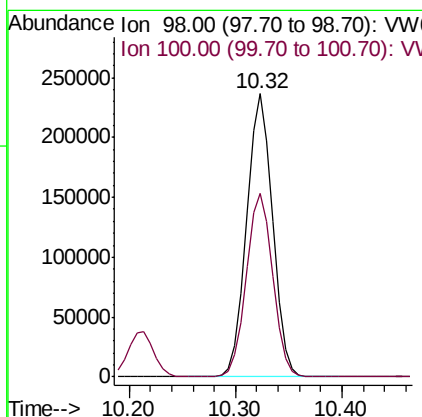
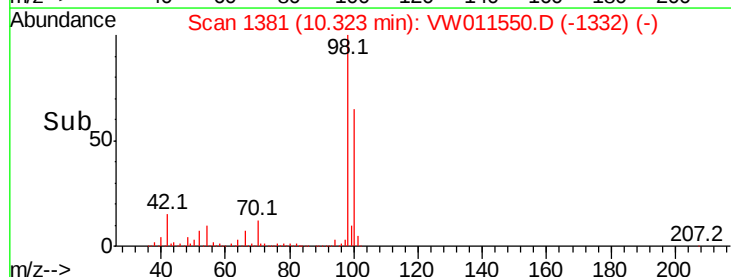
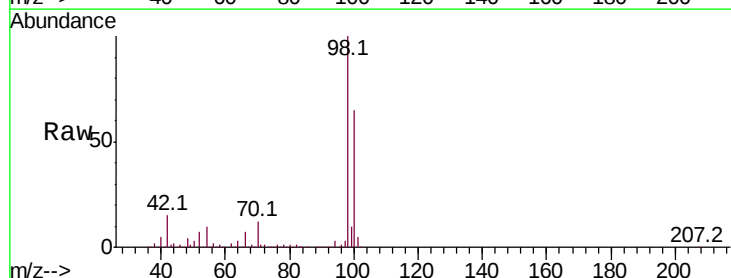
Acq: 27 Jul 2019 06:54

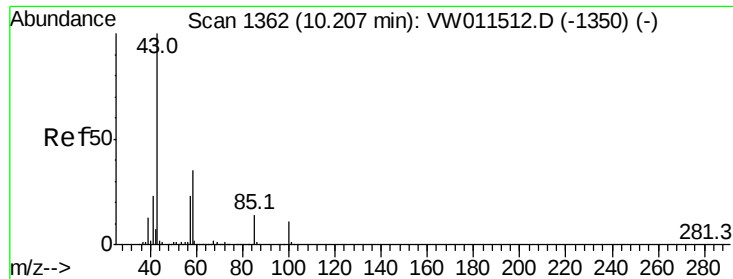
Tgt Ion: 98 Resp: 406057

Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 253.343 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 546716

Ion Ratio Lower Upper

43 100

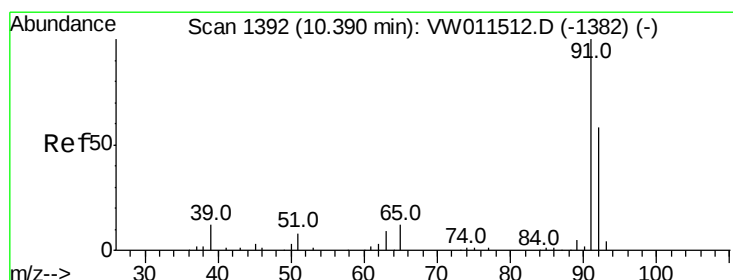
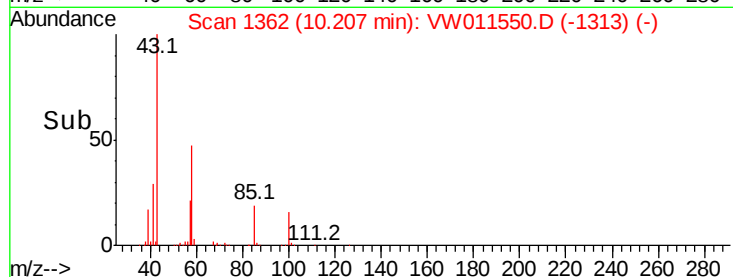
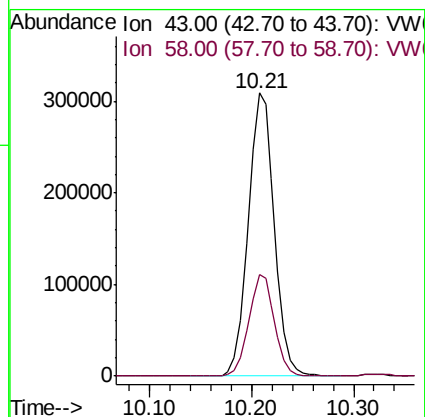
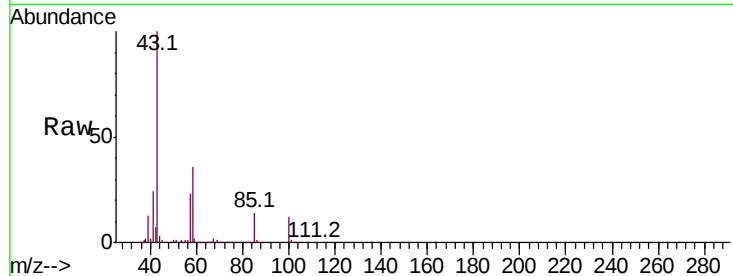
58 35.4 28.2 42.2

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#52

Toluene

Concen: 47.765 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011550.D

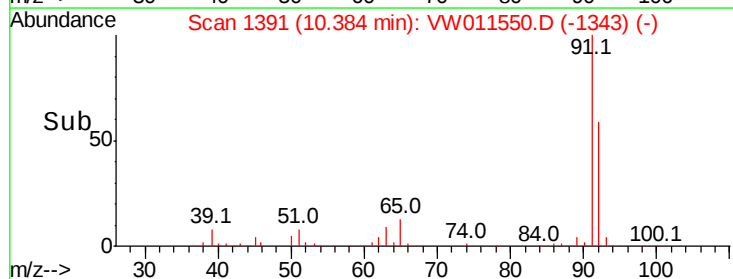
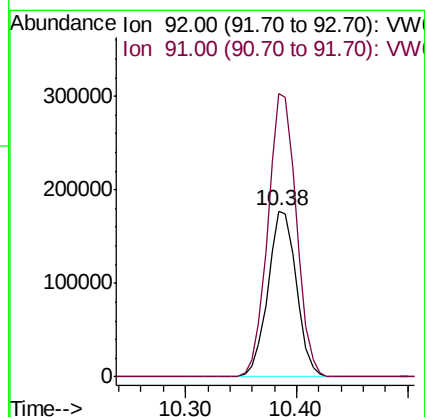
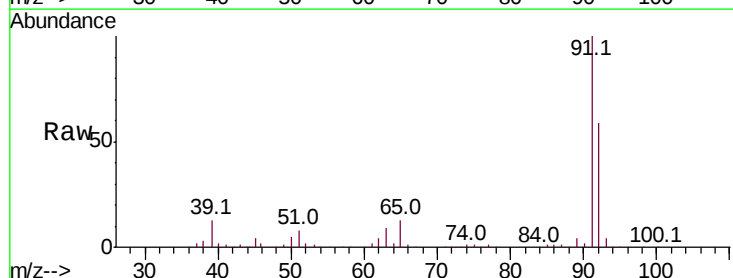
Acq: 27 Jul 2019 06:54

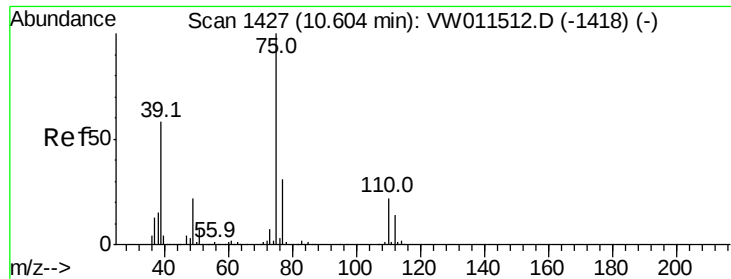
Tgt Ion: 92 Resp: 316817

Ion Ratio Lower Upper

92 100

91 170.7 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 46.554 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W

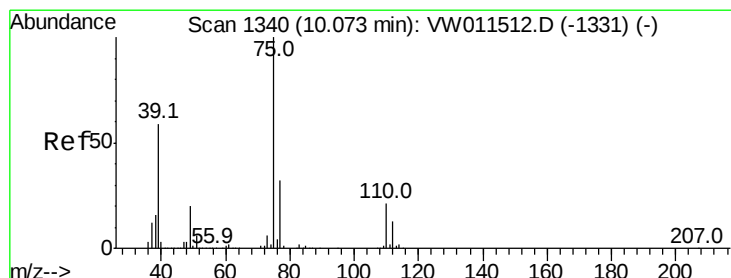
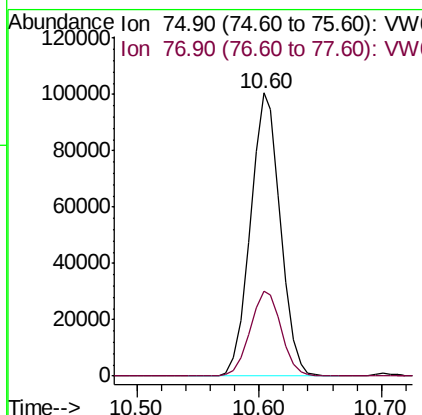
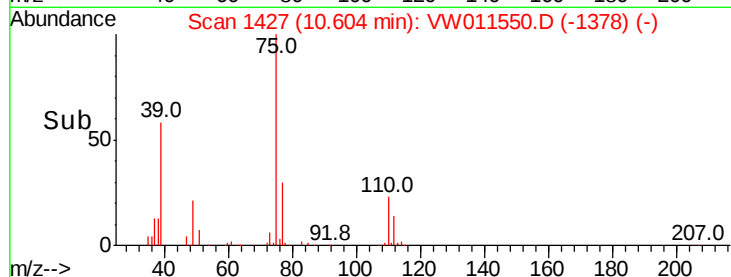
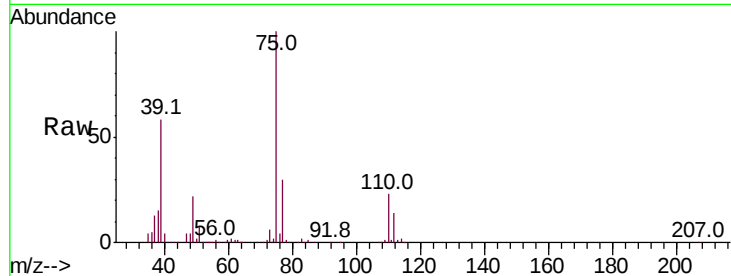
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 171105

Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.0	37.4

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#54

cis-1,3-Dichloropropene

Concen: 46.386 ug/l

RT: 10.07 min Scan# 1340

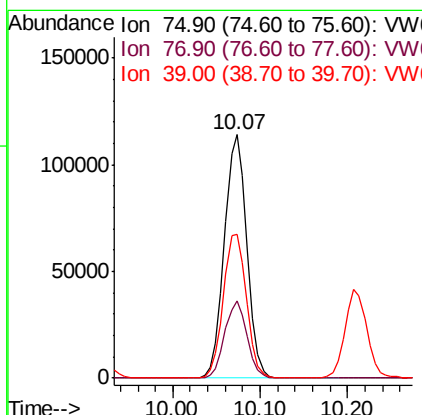
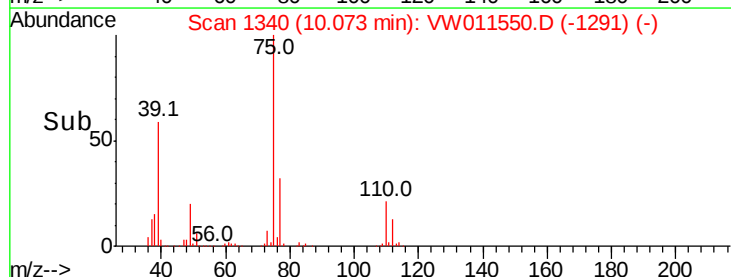
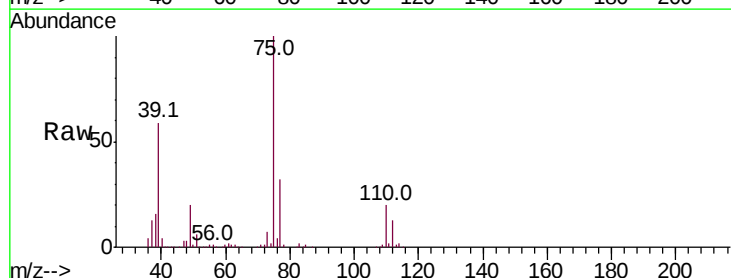
Delta R.T. -0.00 min

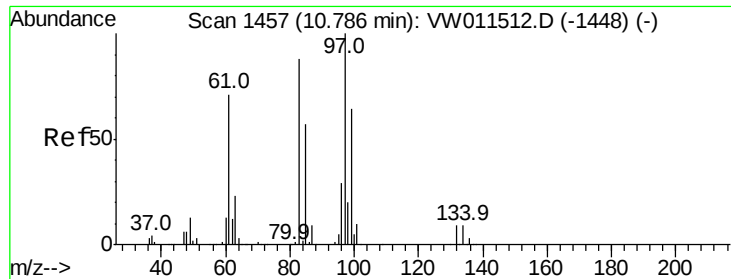
Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Tgt Ion: 75 Resp: 202709

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4
39	59.1	47.0	70.4





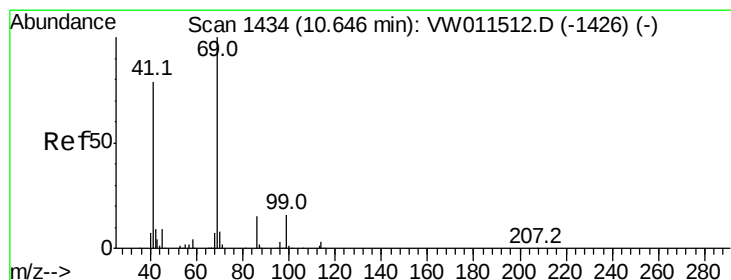
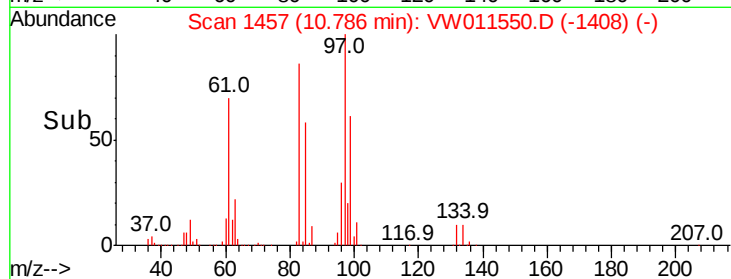
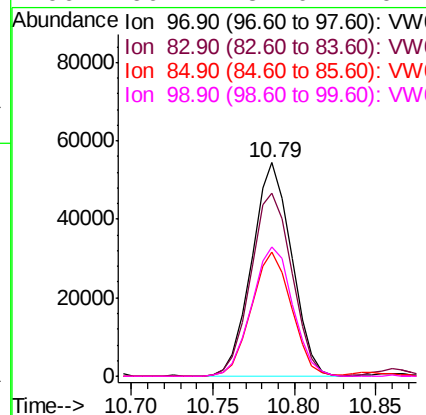
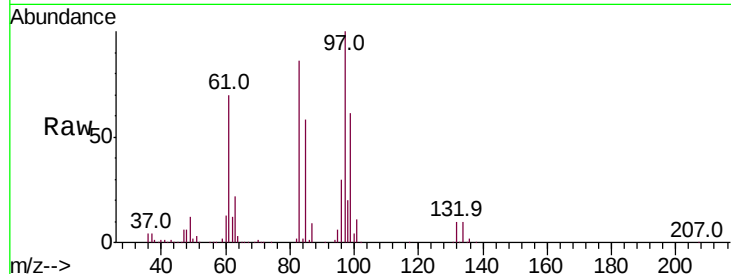
#55
 1,1,2-Trichloroethane
 Concen: 48.732 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	92742
Ion	Ratio	Lower	Upper
97	100		
83	85.6	70.5	105.7
85	58.0	45.8	68.6
99	60.7	51.0	76.4

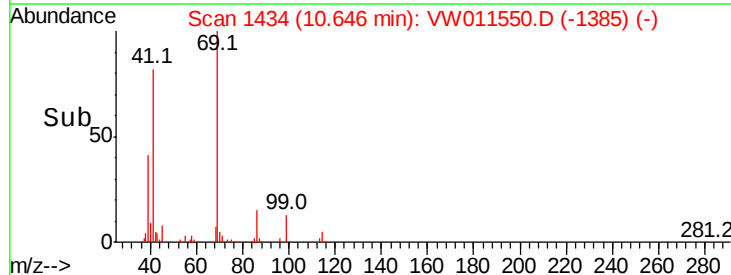
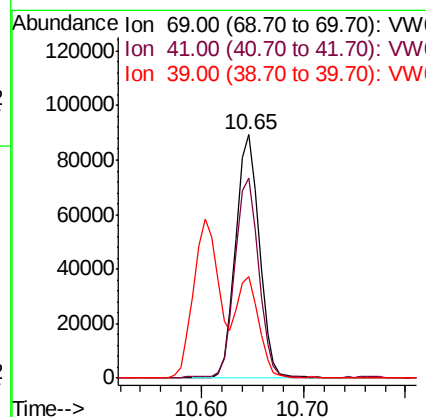
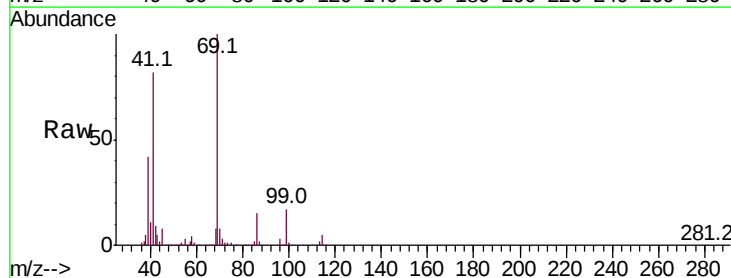
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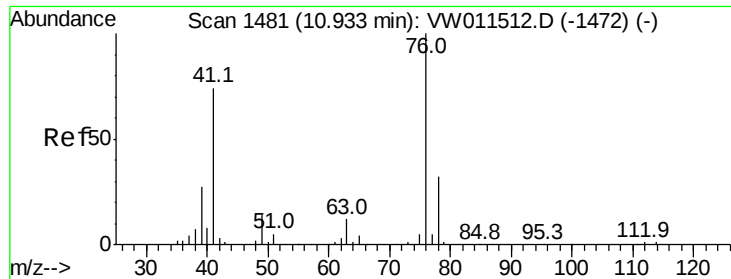
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#56
 Ethyl methacrylate
 Concen: 51.341 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Tgt Ion:	69	Resp:	142979
Ion	Ratio	Lower	Upper
69	100		
41	83.3	66.6	99.8
39	38.0	30.3	45.5





#57

1,3-Dichloropropane

Concen: 49.574 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W

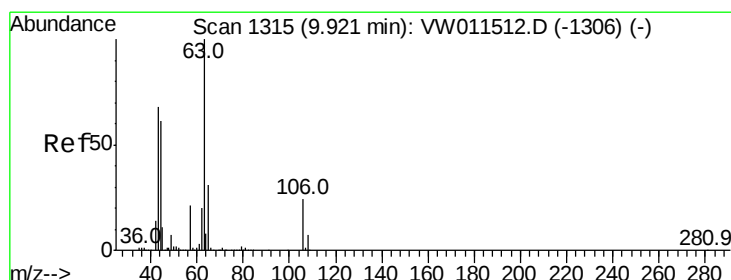
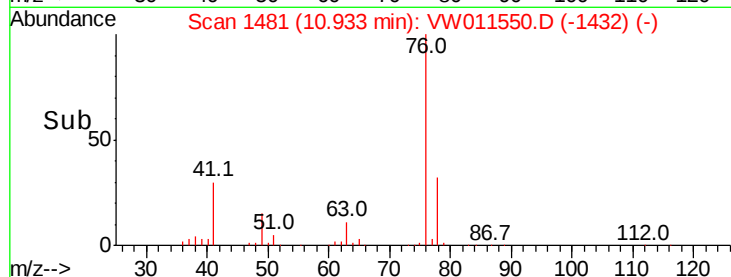
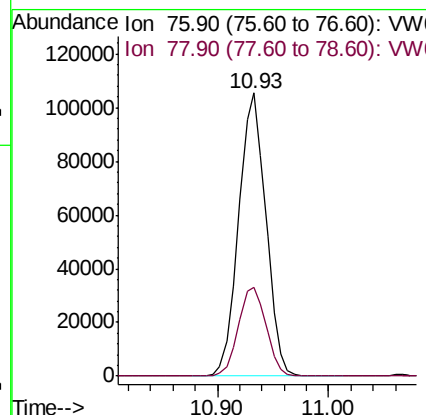
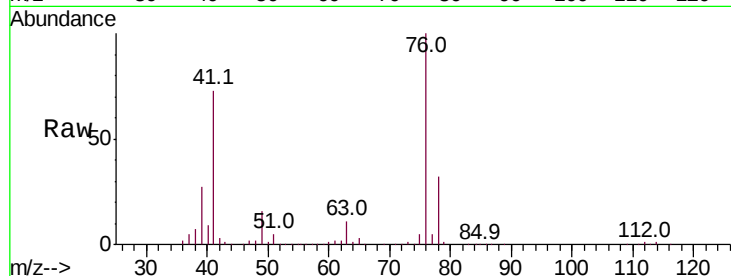
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 178491

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.2	37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 301.266 ug/l

RT: 9.92 min Scan# 1315

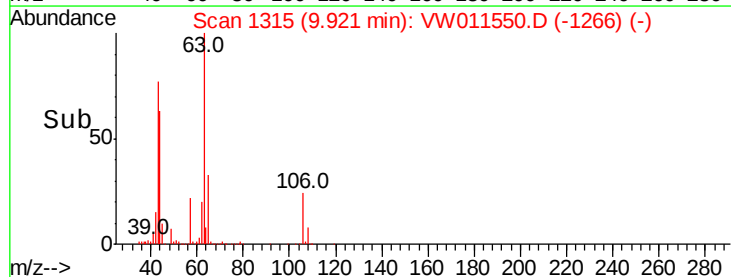
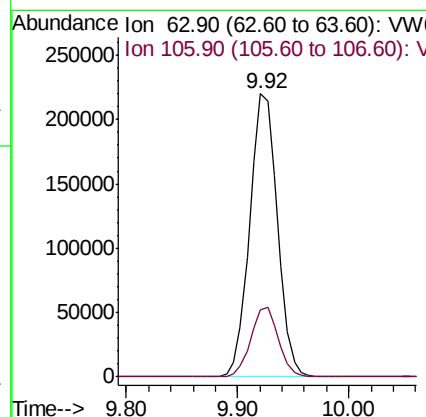
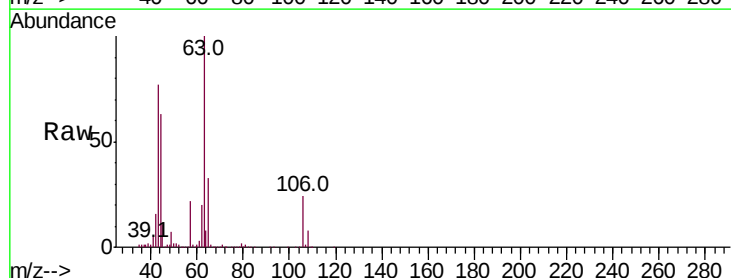
Delta R.T. -0.00 min

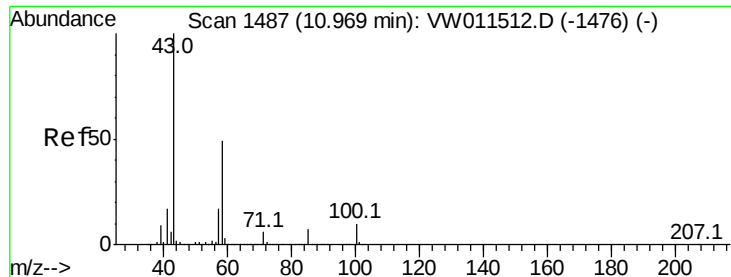
Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Tgt Ion: 63 Resp: 380933

Ion	Ratio	Lower	Upper
63	100		
106	24.5	19.7	29.5





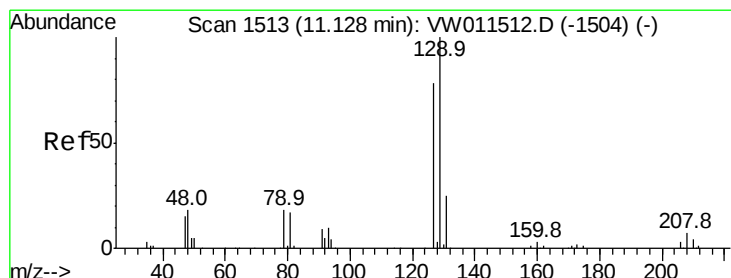
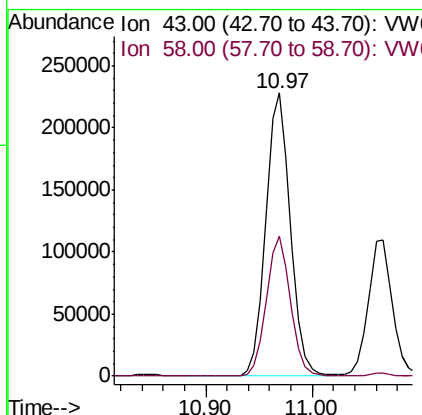
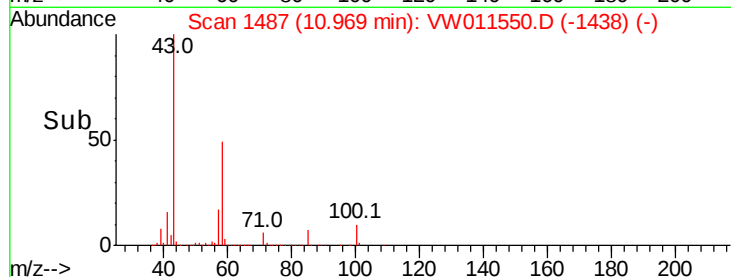
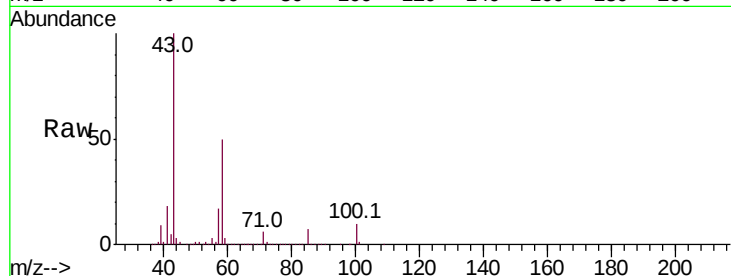
#59
2-Hexanone
Concen: 240.916 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 367082
Ion Ratio Lower Upper
43 100
58 48.8 24.3 72.9

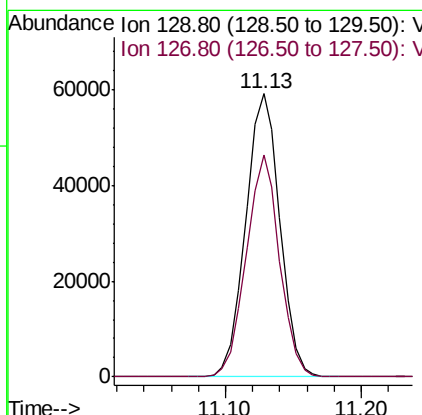
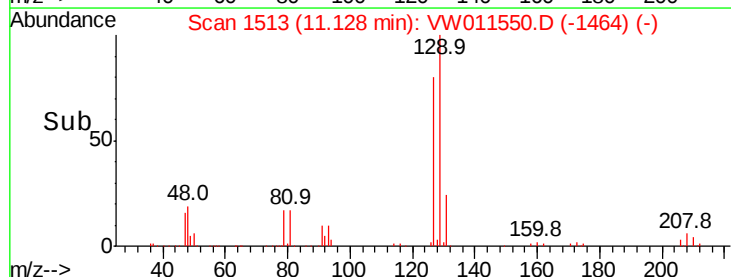
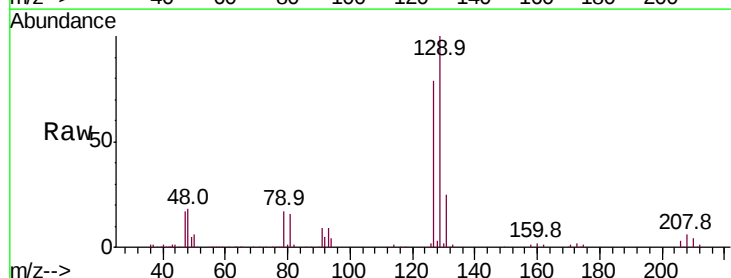
Manual Integrations
APPROVED

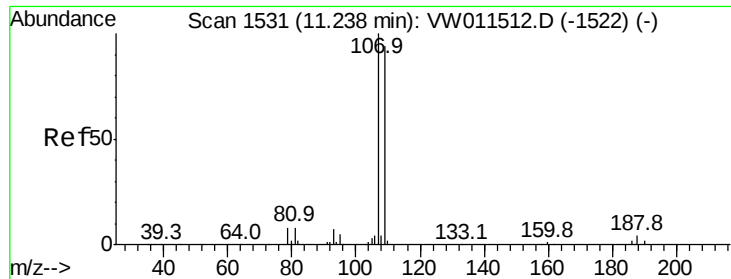
MMDadoda
7/29/2019 9:19:39 AM



#60
Dibromochloromethane
Concen: 49.159 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion: 129 Resp: 103849
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7





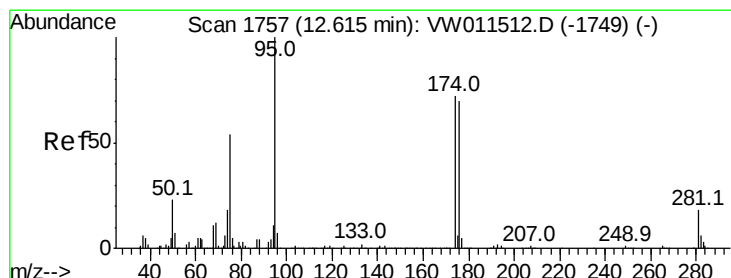
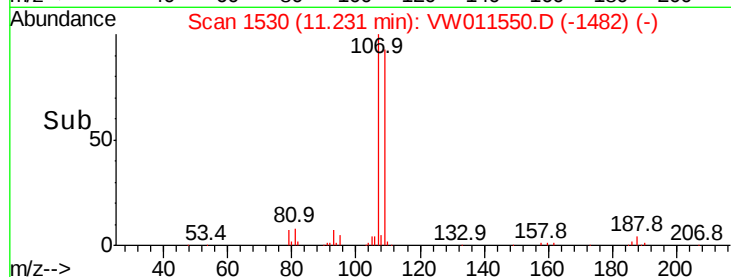
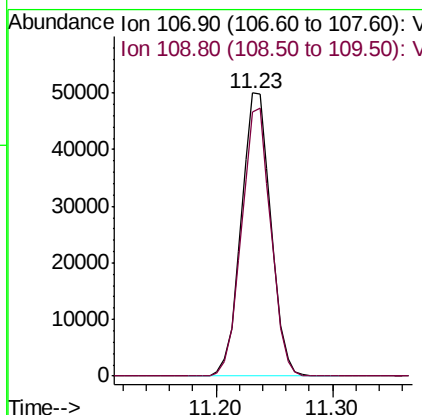
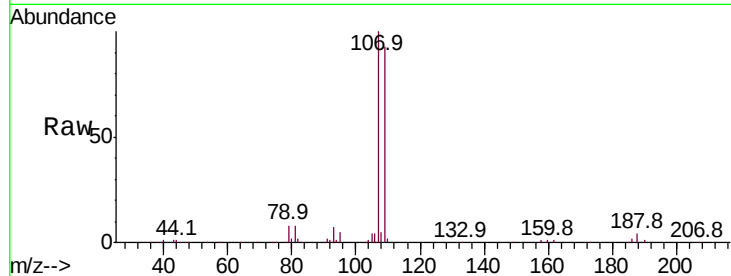
#61
 1,2-Dibromoethane
 Concen: 49.294 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.0	112.6

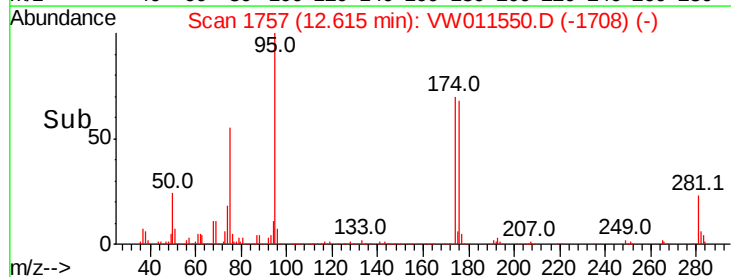
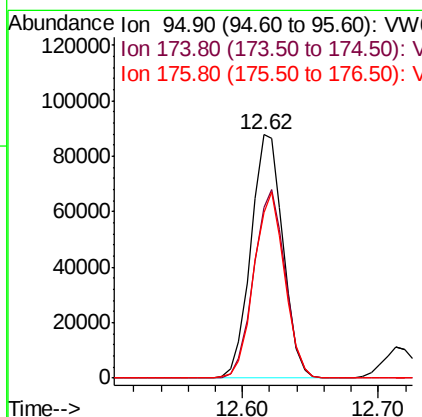
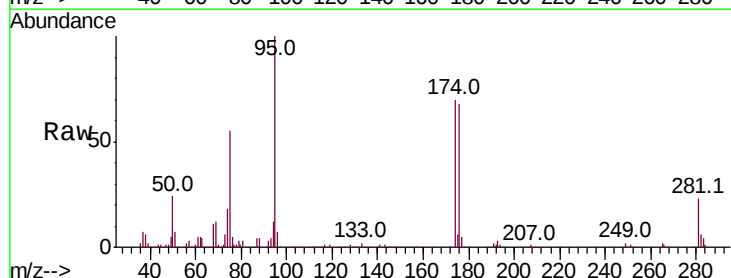
Manual Integrations
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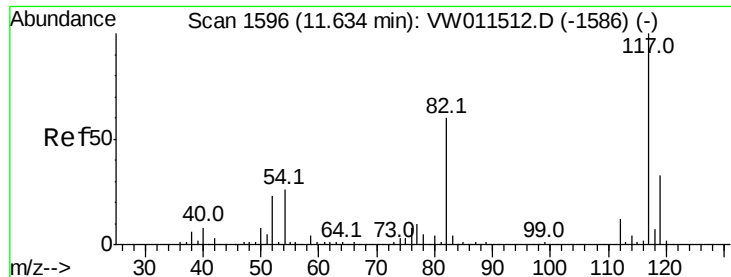
MMDadoda
 7/29/2019 9:19:39 AM



#62
 4-Bromofluorobenzene
 Concen: 47.125 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	150.2
176	73.3	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: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:117 Resp: 334989

Ion Ratio Lower Upper

117 100

82 59.6 47.9 71.9

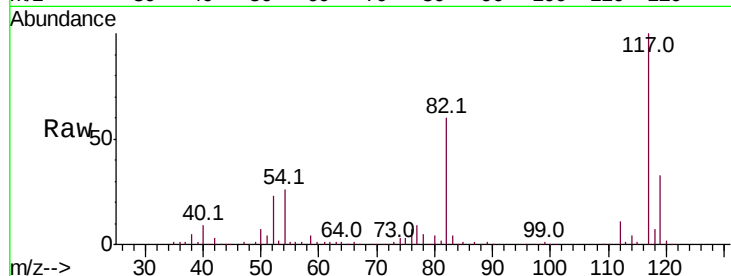
119 32.9 26.2 39.2

Manual Integrations

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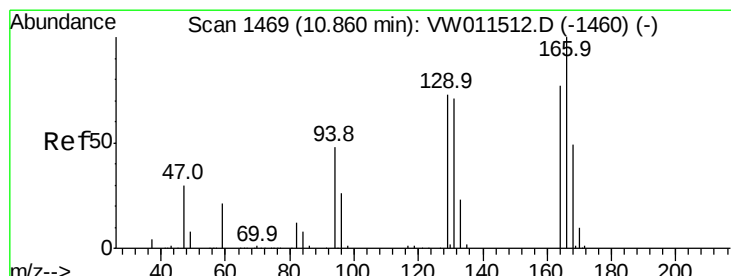
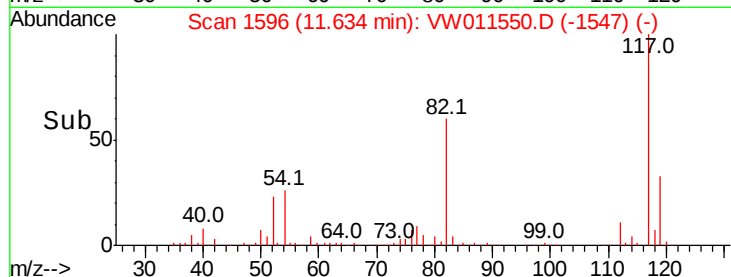
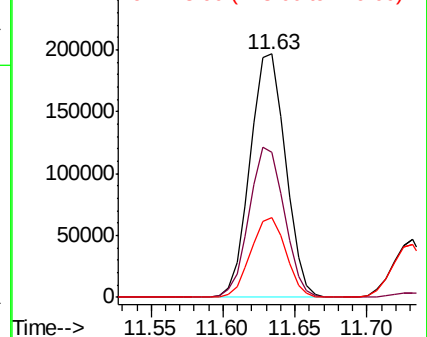


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.340 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Tgt Ion:164 Resp: 111981

Ion Ratio Lower Upper

164 100

166 125.9 103.5 155.3

129 96.3 75.2 112.8

131 89.5 73.4 110.2

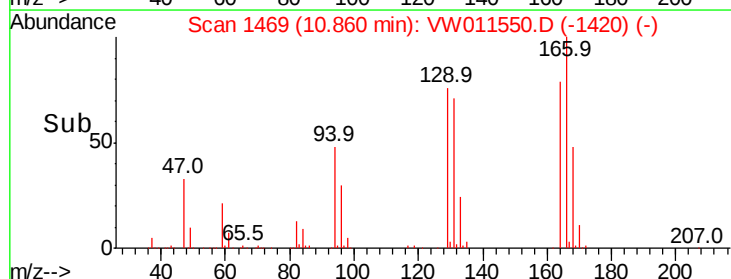
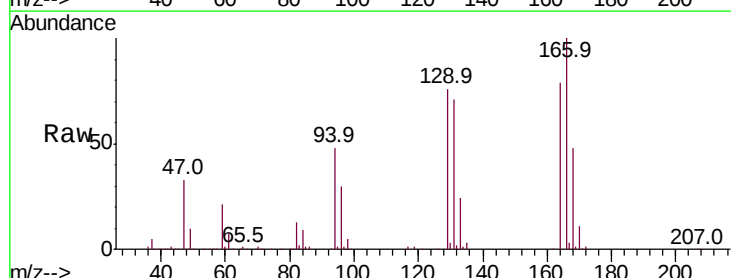
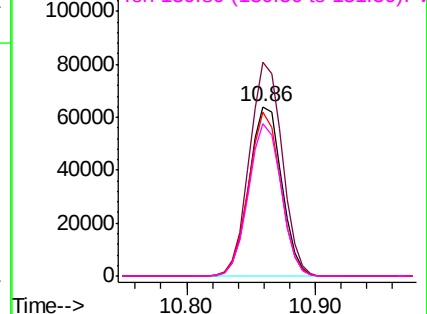
Abundance

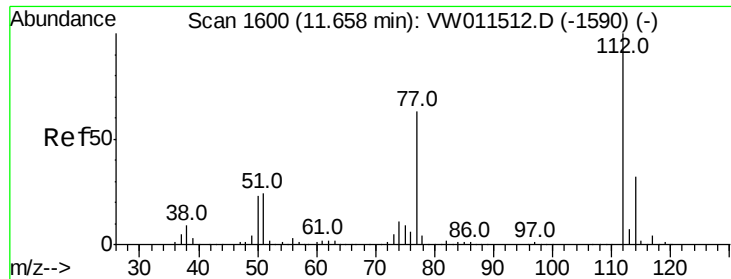
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





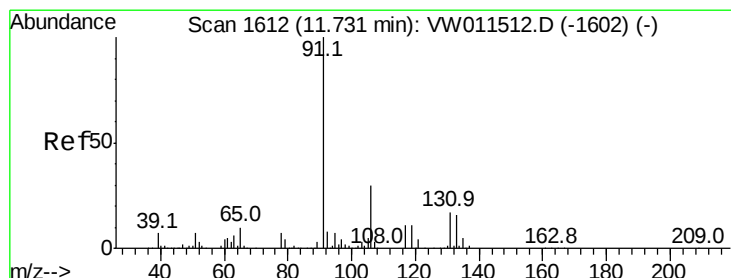
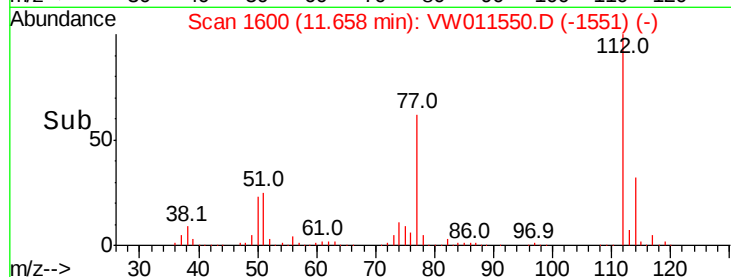
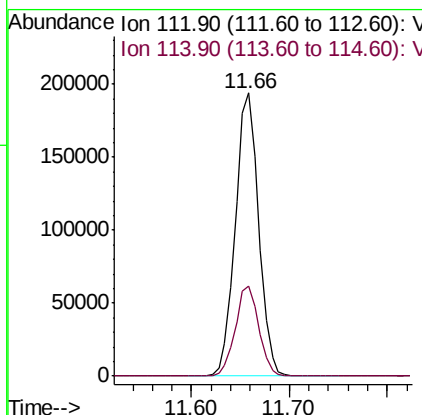
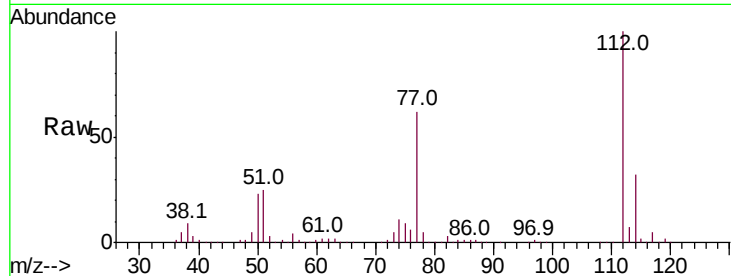
#65
Chlorobenzene
Concen: 47.652 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 320928
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

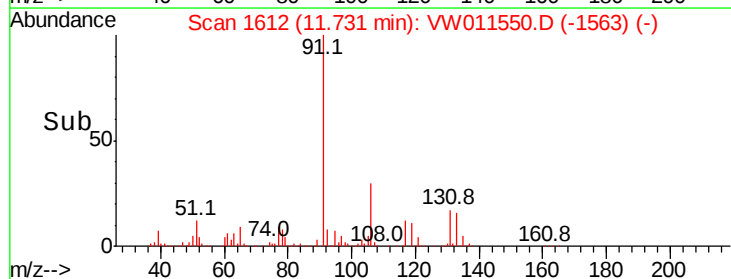
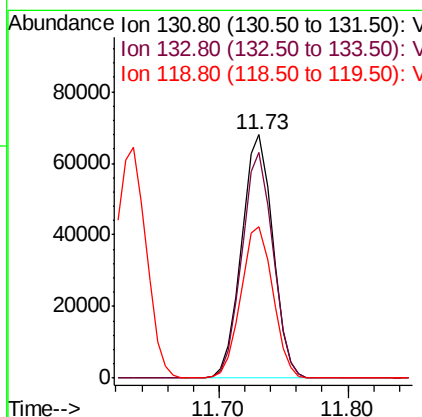
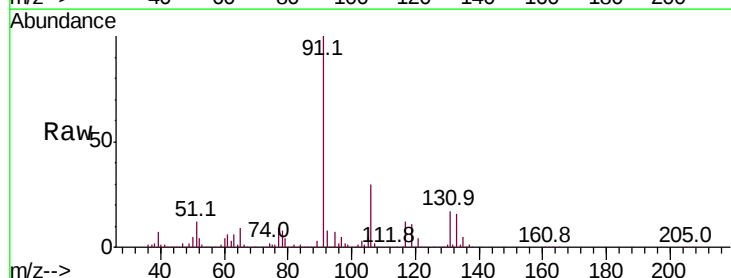
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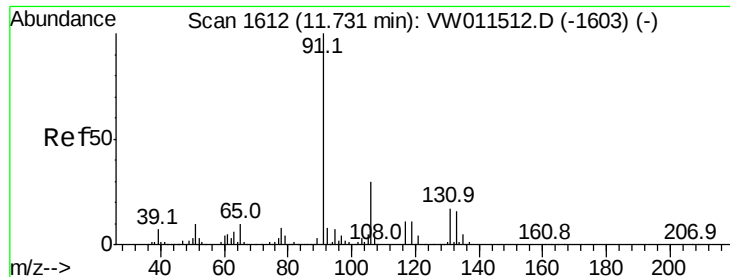
MMDadoda
7/29/2019 9:19:39 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.592 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion:131 Resp: 113992
Ion Ratio Lower Upper
131 100
133 92.5 47.4 142.2
119 63.7 32.3 96.9





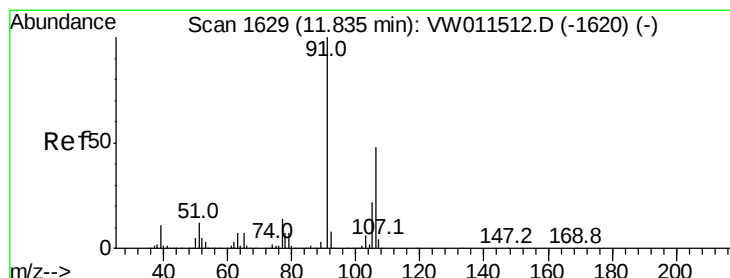
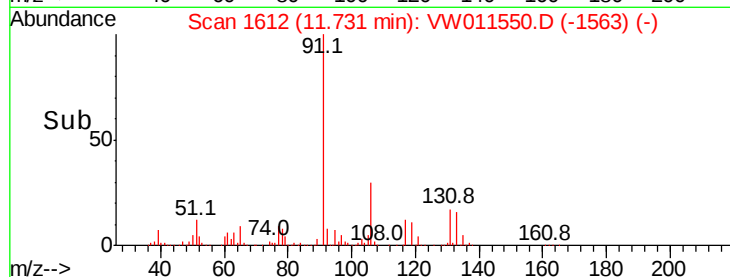
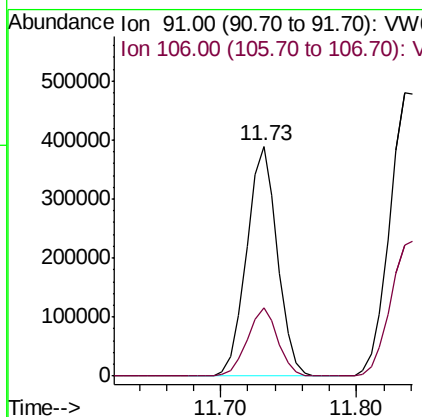
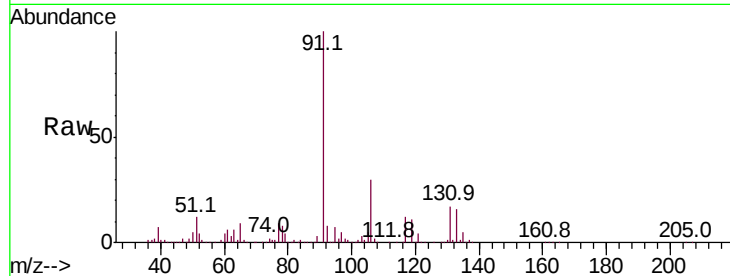
#67
Ethyl Benzene
Concen: 47.938 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 614887
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.6

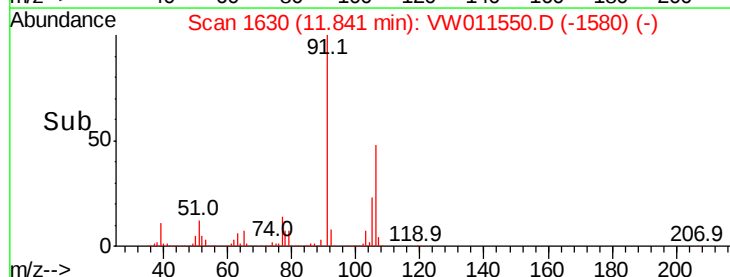
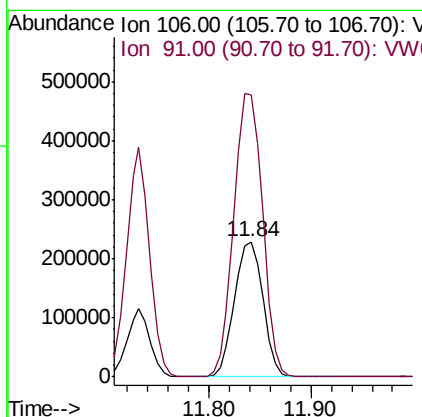
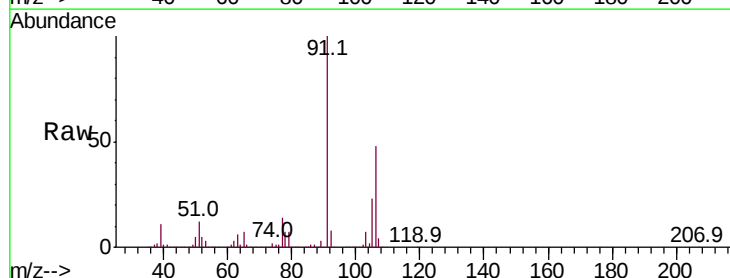
Manual Integrations
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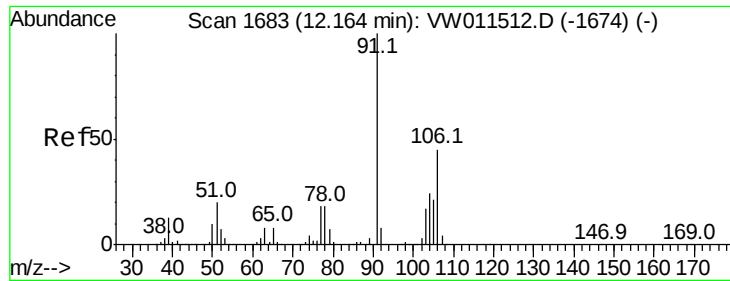
MMDadoda
7/29/2019 9:19:39 AM



#68
m/p-Xylenes
Concen: 94.814 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion: 106 Resp: 442279
Ion Ratio Lower Upper
106 100
91 211.8 168.2 252.2





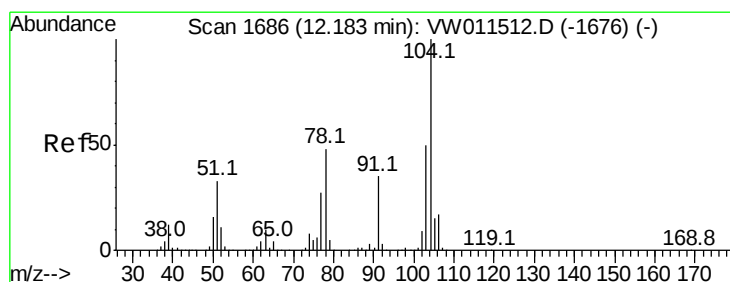
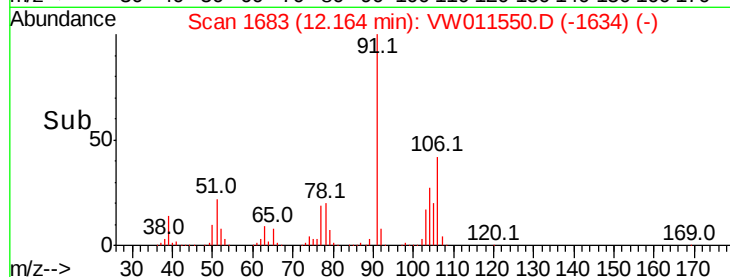
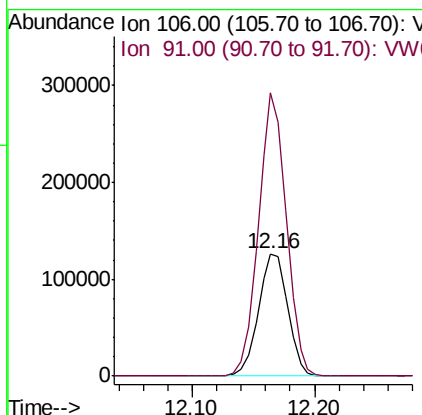
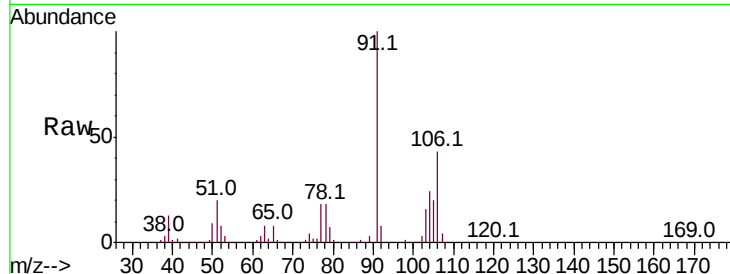
#69
o-Xylene
Concen: 48.654 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 210902
Ion Ratio Lower Upper
106 100
91 220.2 110.5 331.5

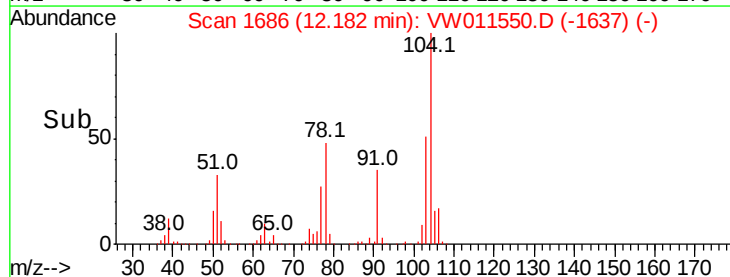
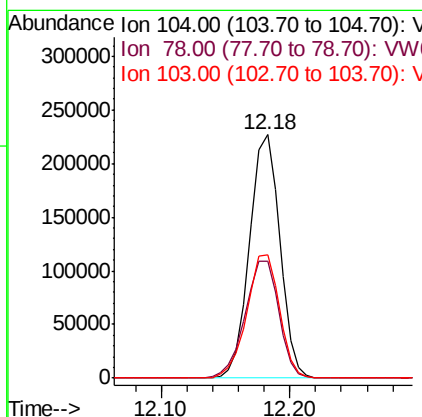
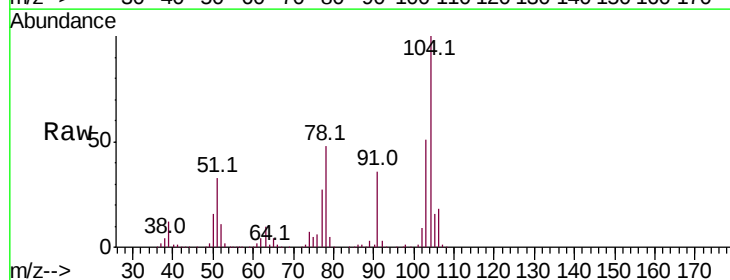
Manual Integrations
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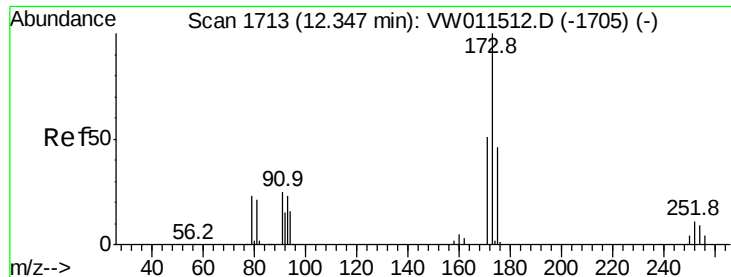
MMDadoda
7/29/2019 9:19:39 AM



#70
Styrene
Concen: 49.071 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion:104 Resp: 367777
Ion Ratio Lower Upper
104 100
78 53.8 43.4 65.0
103 54.8 43.9 65.9





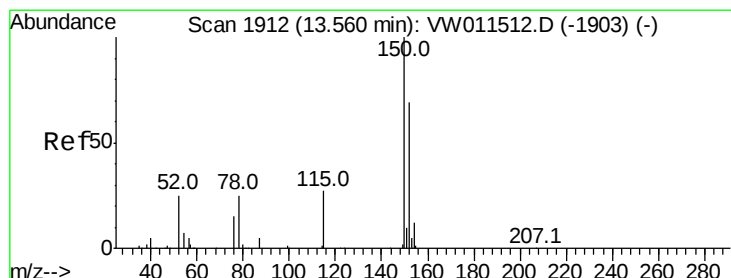
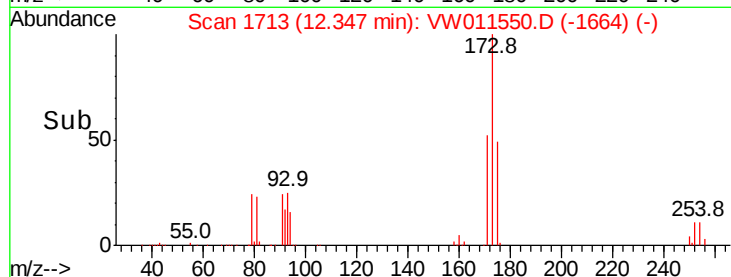
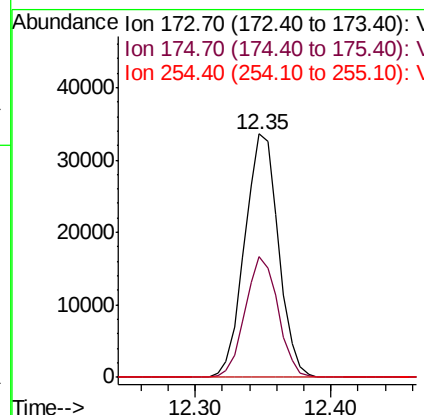
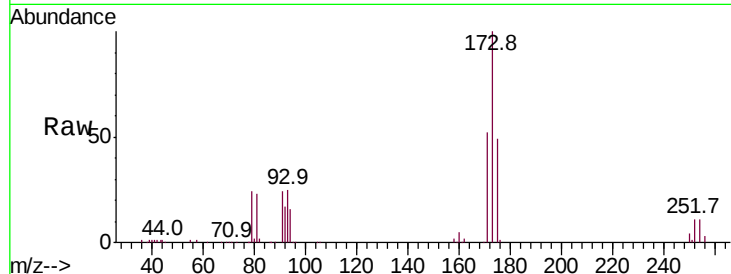
#71
Bromoform
Concen: 48.867 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.6	71.0
254	0.0	0.1	0.1#

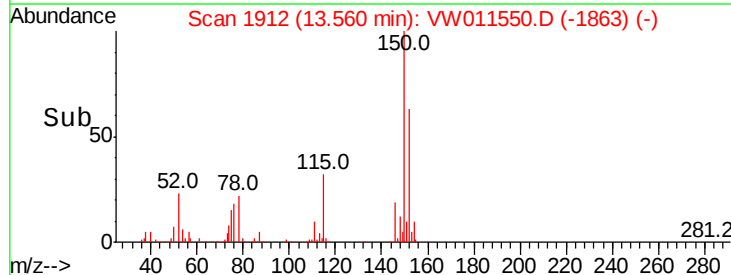
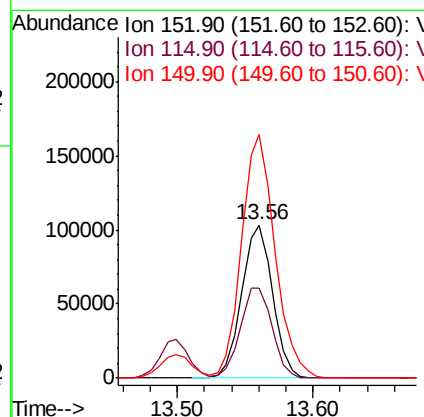
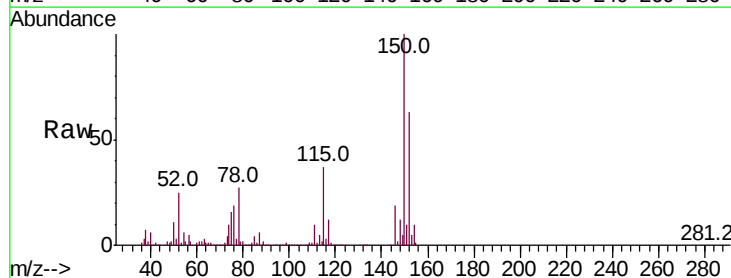
Manual Integrations
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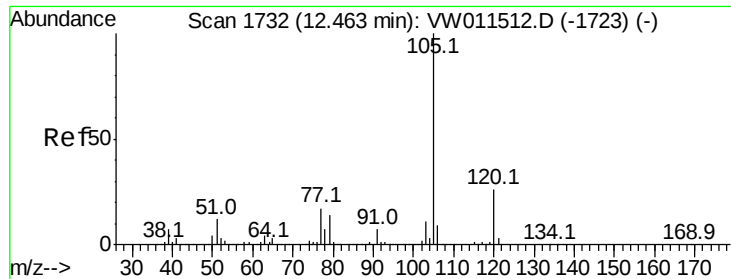
MMDadoda
7/29/2019 9:19:39 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.5	91.5
150	173.2	0.0	352.6





#73

Isopropylbenzene

Concen: 46.815 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 568815

Ion Ratio Lower Upper

105 100

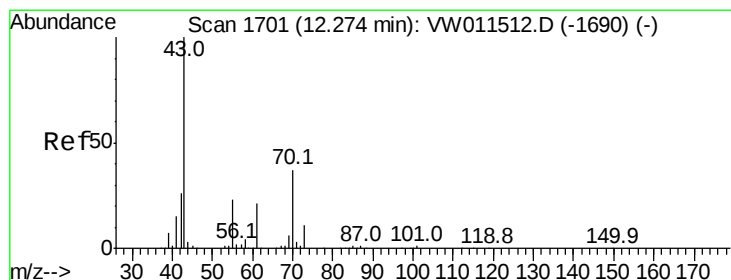
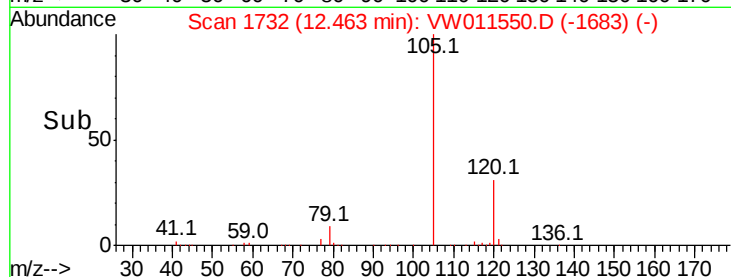
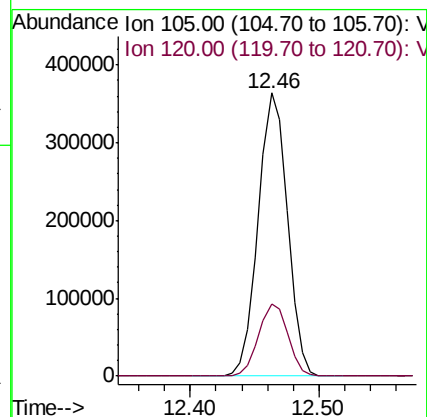
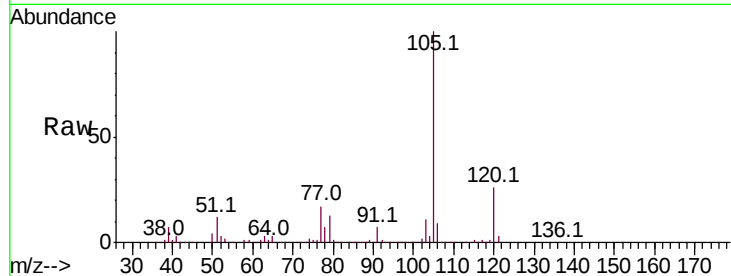
120 25.7 12.9 38.7

Manual Integrations

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7/29/2019 9:19:39 AM



#74

N-ethyl acetate

Concen: 47.602 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Tgt Ion: 43 Resp: 181076

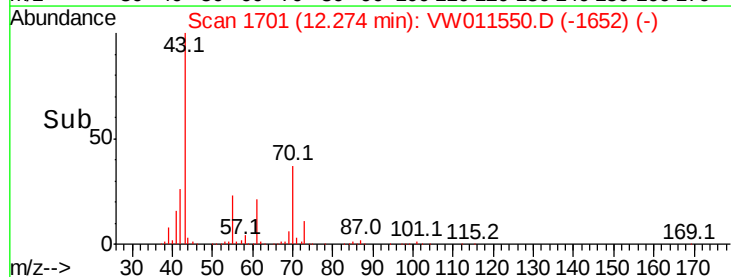
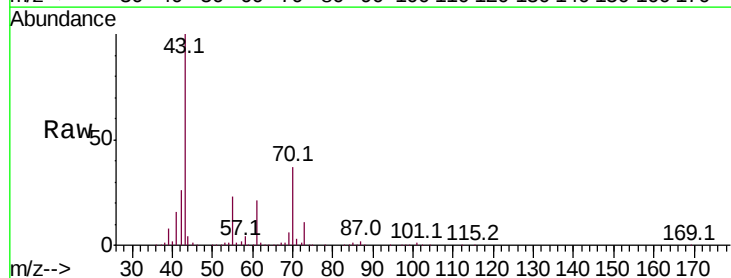
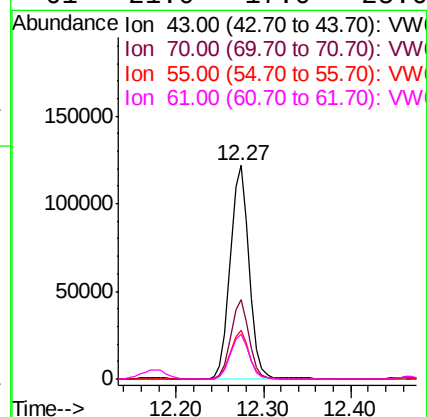
Ion Ratio Lower Upper

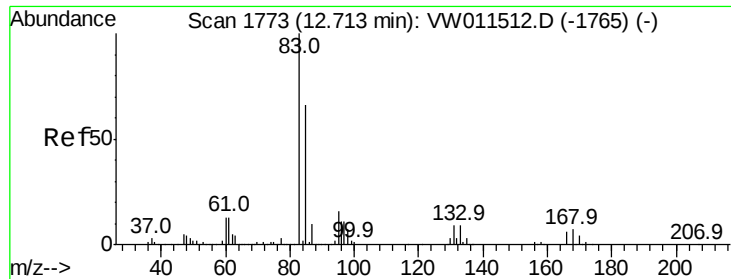
43 100

70 36.1 28.6 43.0

55 22.6 17.8 26.8

61 21.0 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.295 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

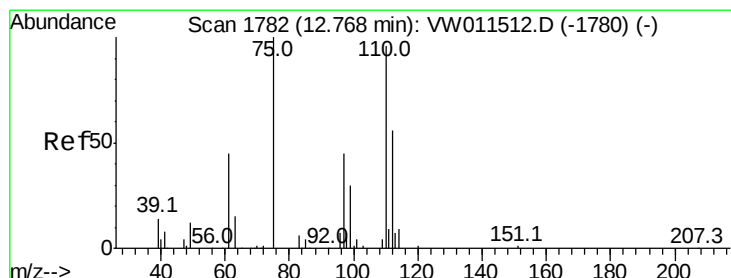
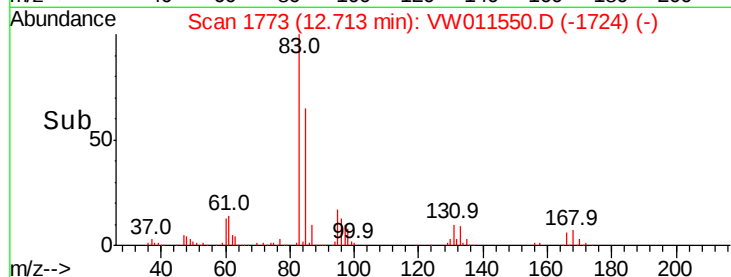
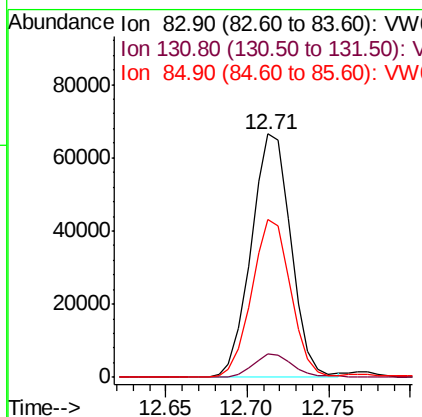
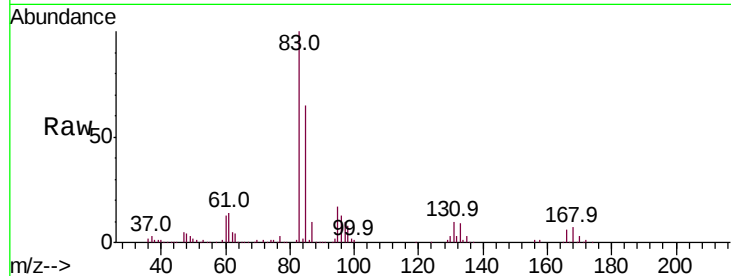
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	112660
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.6
85	63.8	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.702 ug/l m

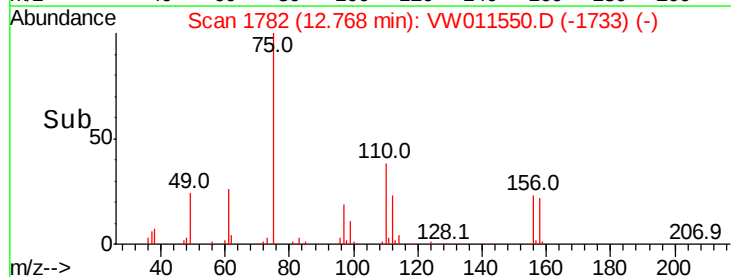
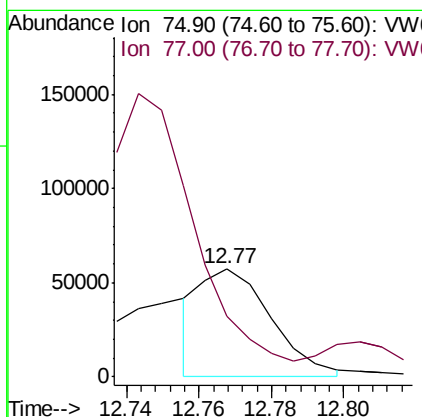
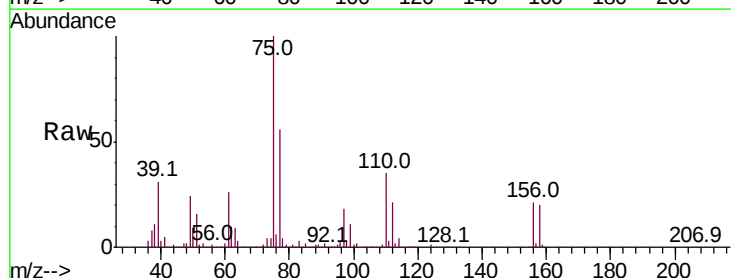
RT: 12.77 min Scan# 1782

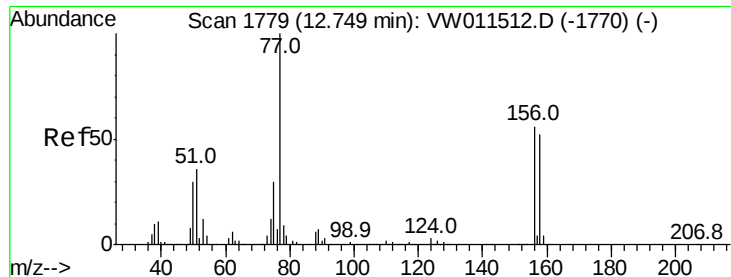
Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Tgt Ion:	75	Resp:	78759
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





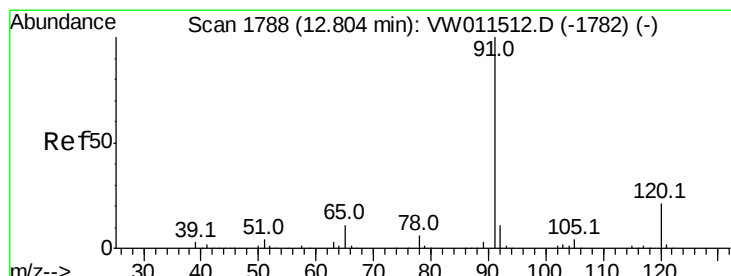
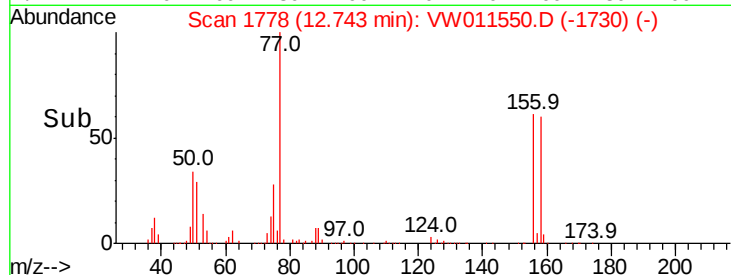
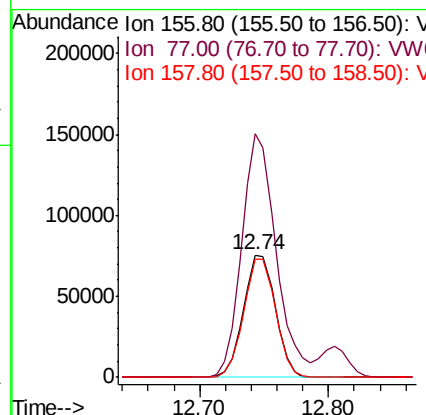
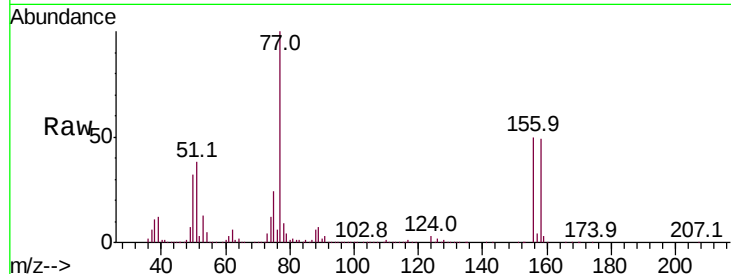
#77
Bromobenzene
Concen: 48.101 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	215.0	106.5	319.4	
158	96.6	48.0	144.2	

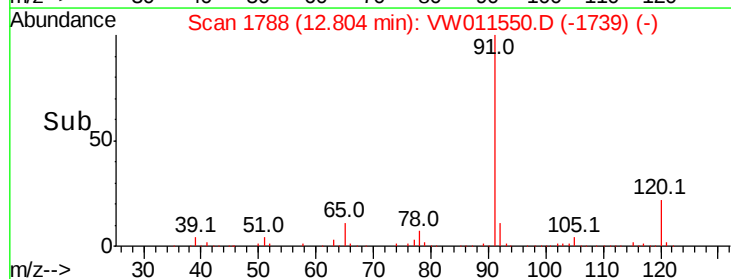
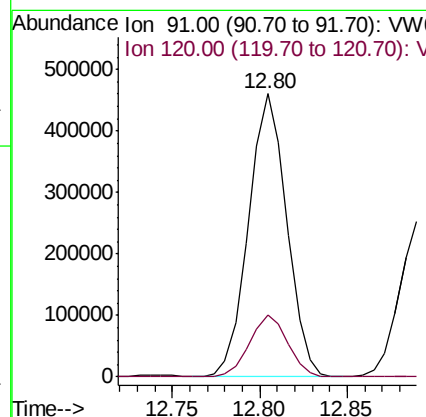
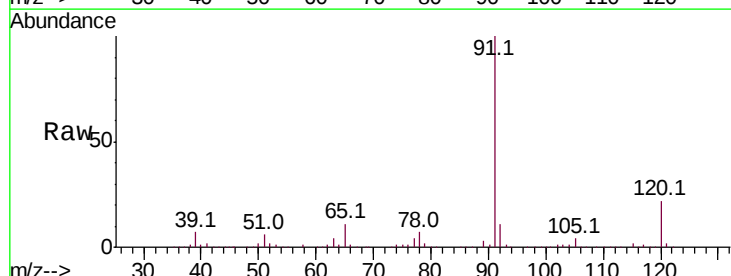
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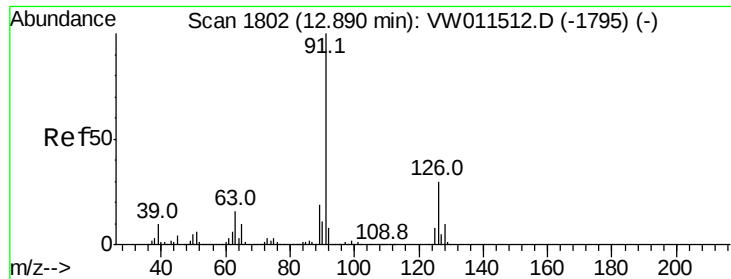
MMDadoda
7/29/2019 9:19:39 AM



#78
n-propylbenzene
Concen: 47.180 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.7	10.9	32.7	





#79

2-Chlorotoluene

Concen: 47.340 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 403278

Ion Ratio Lower Upper

91 100

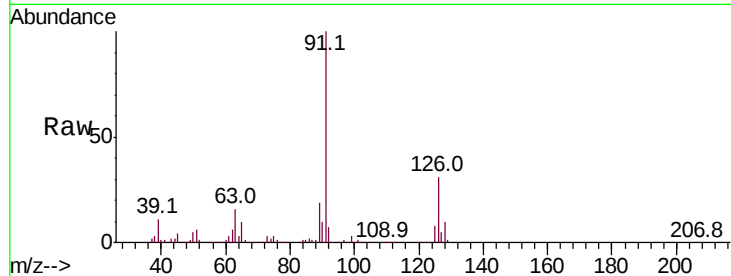
126 31.5 15.7 47.1

Manual Integrations

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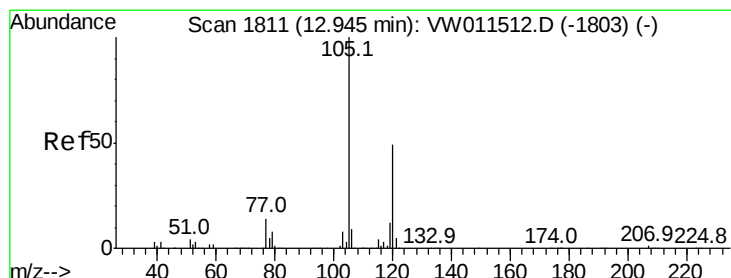
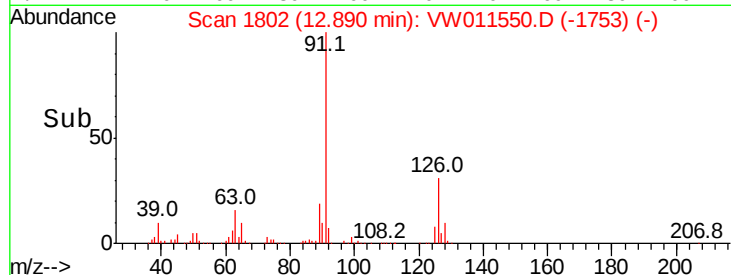
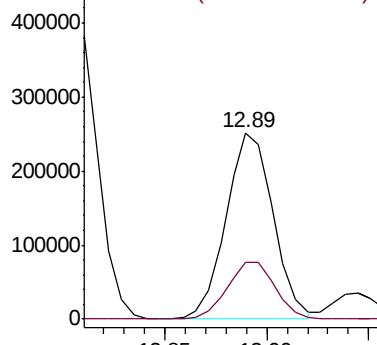
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.801 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011550.D

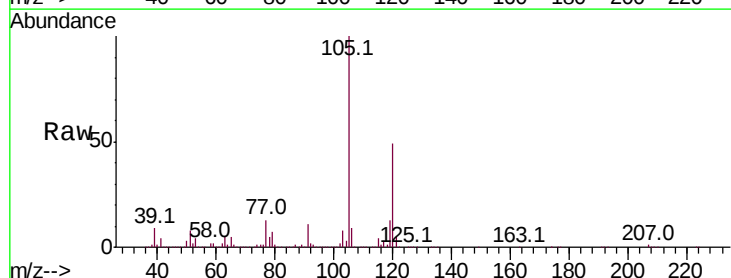
Acq: 27 Jul 2019 06:54

Tgt Ion: 105 Resp: 486844

Ion Ratio Lower Upper

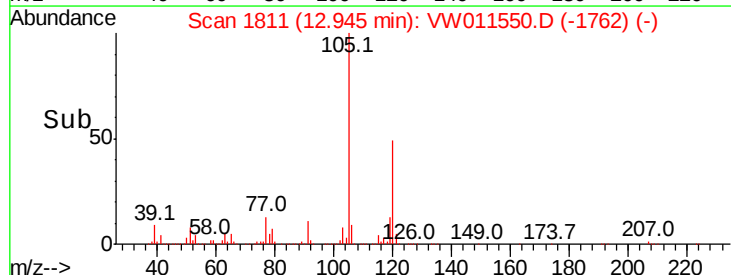
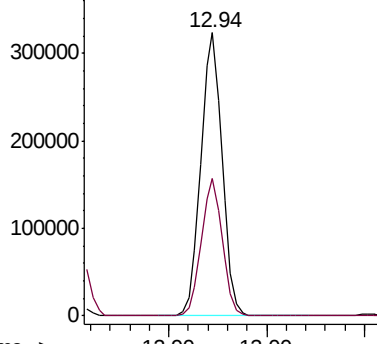
105 100

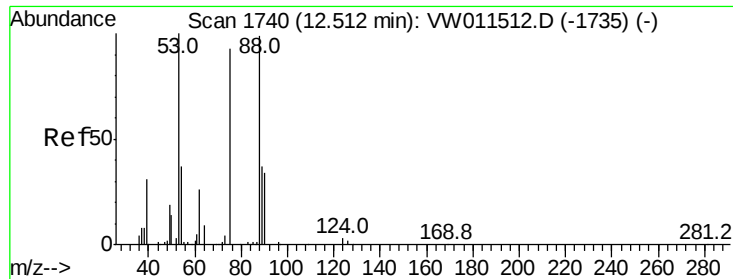
120 47.7 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





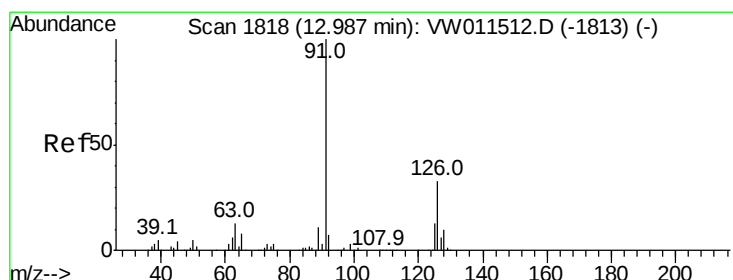
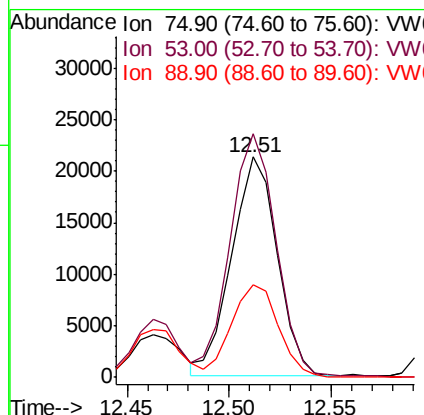
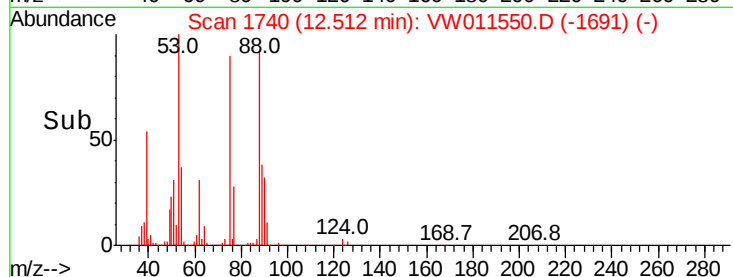
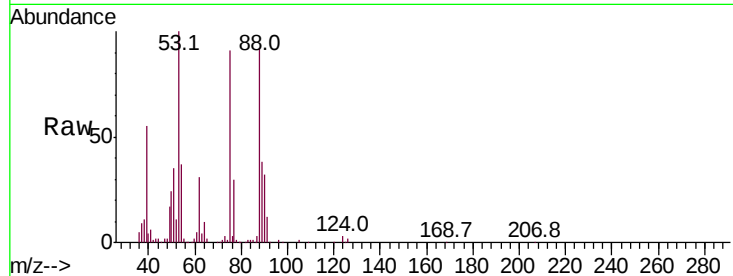
#81
trans-1,4-Dichloro-2-butene
Concen: 44.092 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.9	88.0	132.0
89	43.6	35.3	52.9

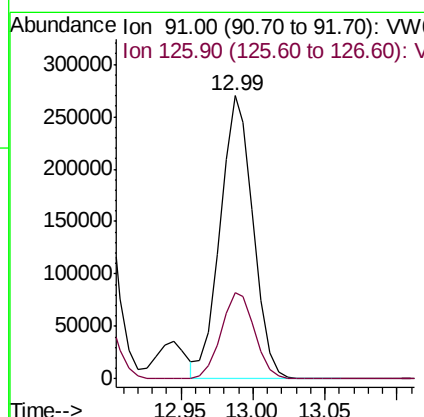
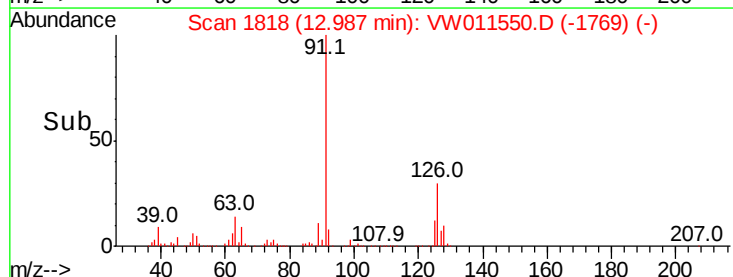
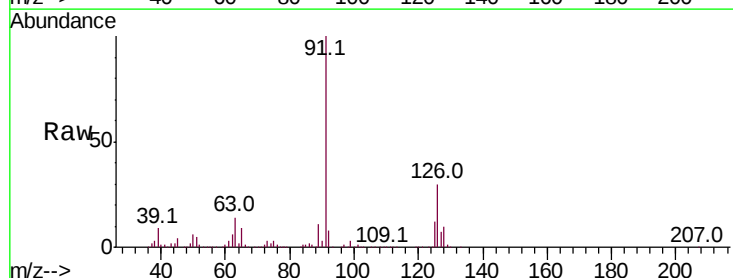
Manual Integrations
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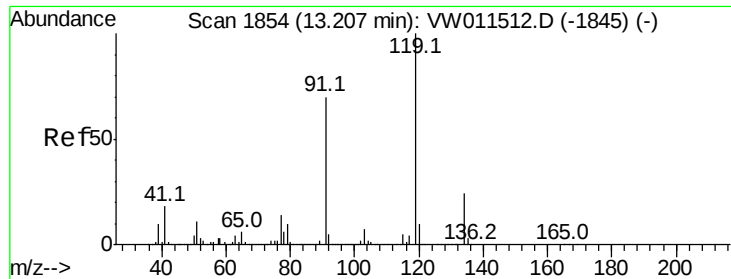
MMDadoda
7/29/2019 9:19:39 AM



#82
4-Chlorotoluene
Concen: 47.995 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





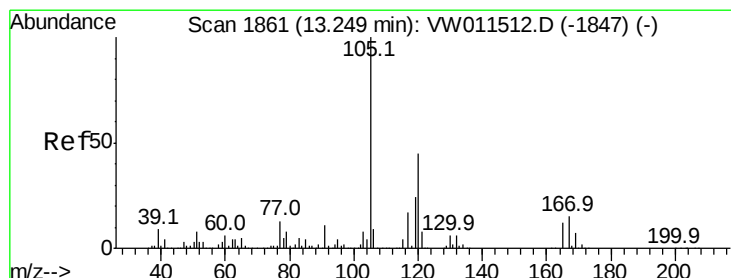
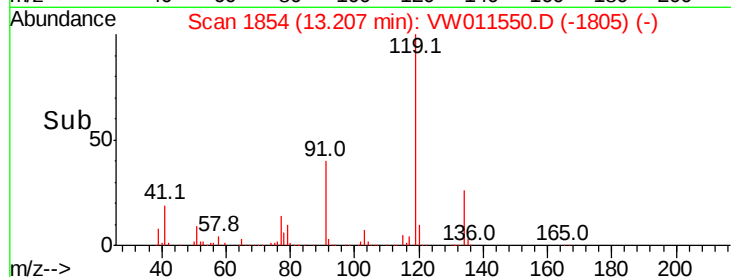
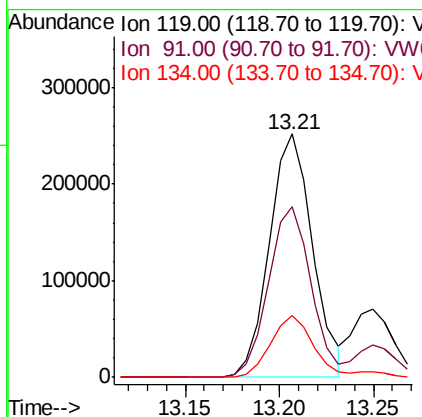
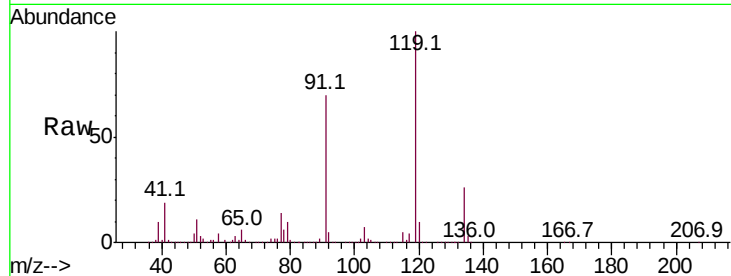
#83
tert-Butylbenzene
Concen: 47.029 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.2	34.5	103.6
134	26.7	12.4	37.4

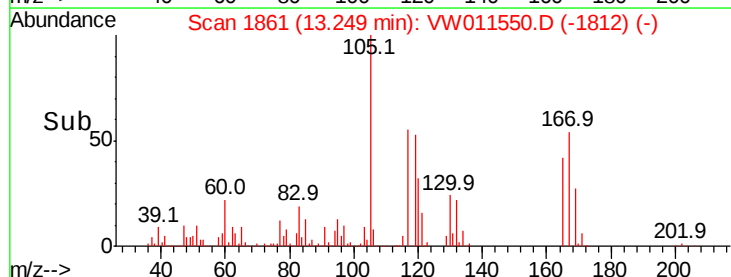
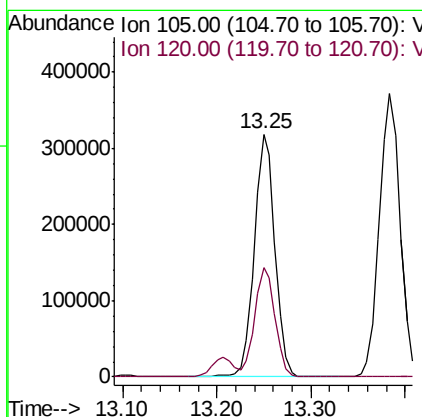
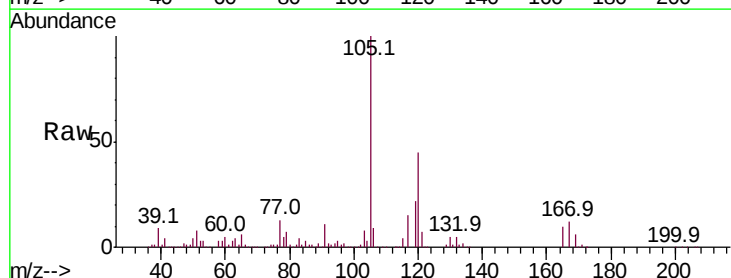
Manual Integrations
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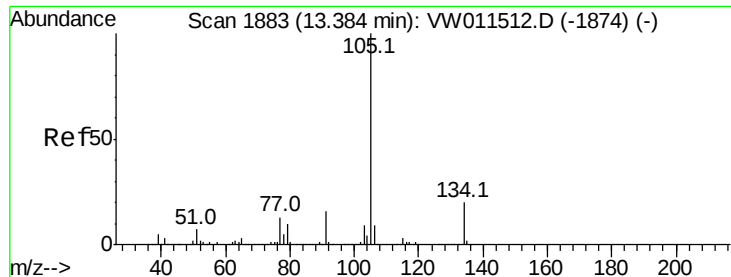
MMDadoda
7/29/2019 9:19:39 AM



#84
1,2,4-Trimethylbenzene
Concen: 47.876 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 46.699 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 567522

Ion Ratio Lower Upper

105 100

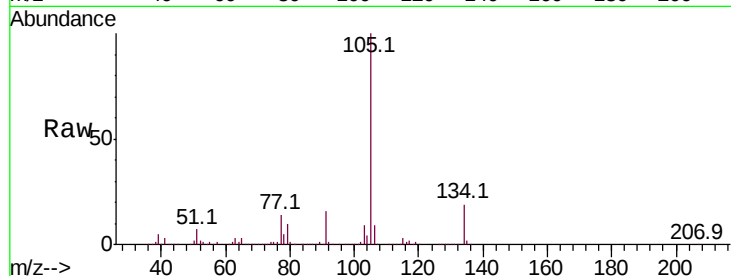
134 19.5 9.7 29.1

Manual Integrations

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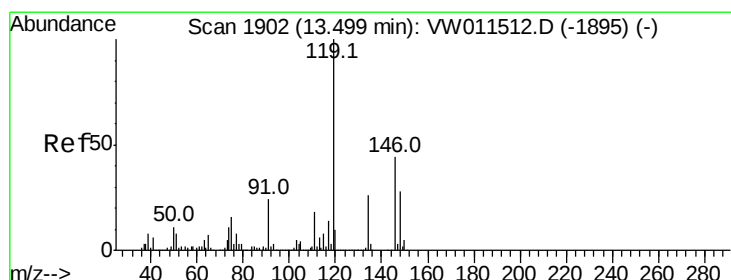
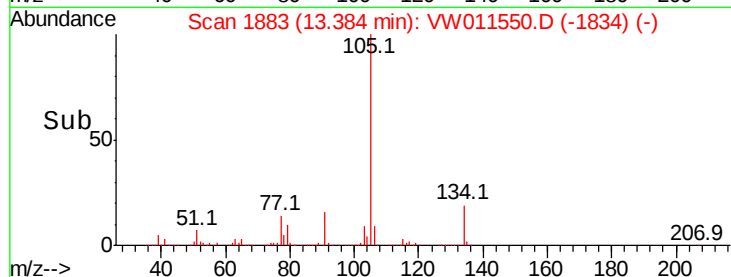
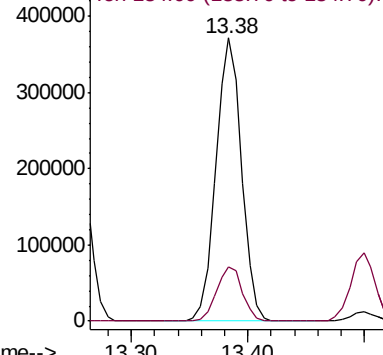
MMDadoda

7/29/2019 9:19:39 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.687 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

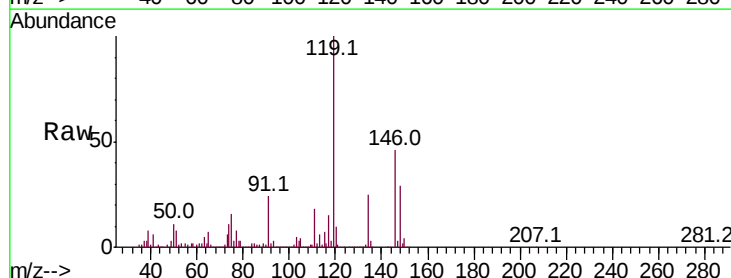
Tgt Ion:119 Resp: 514787

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

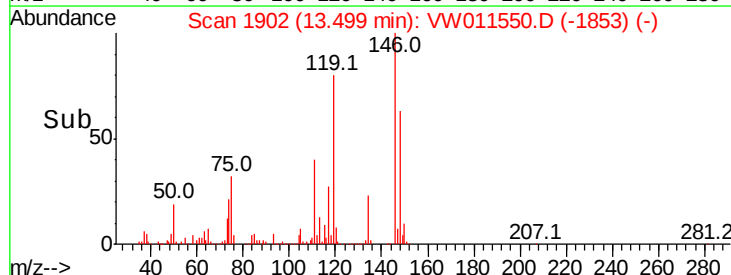
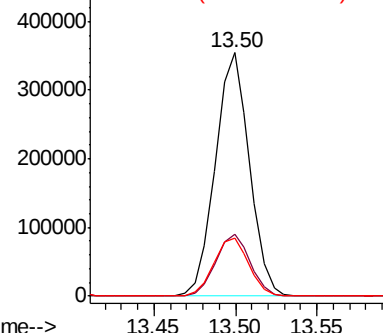
91 24.4 12.1 36.3

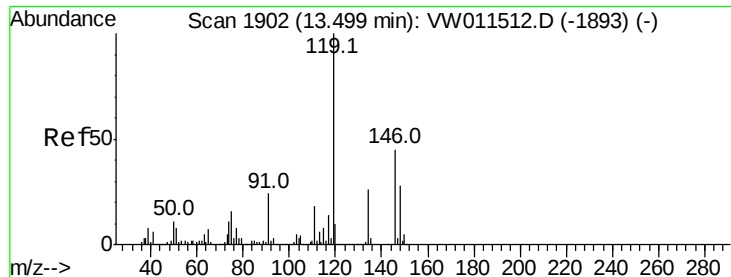


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





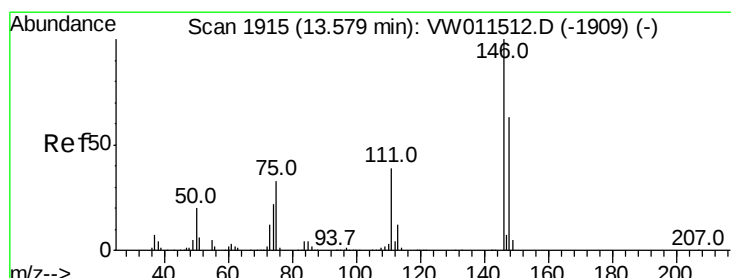
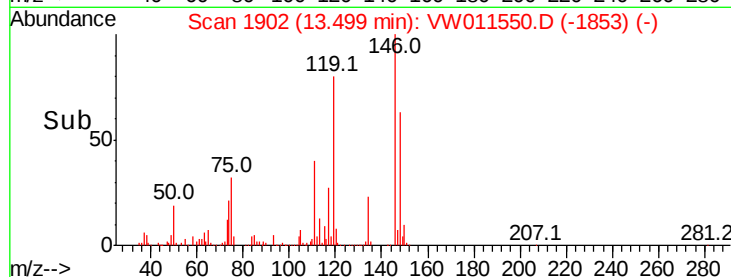
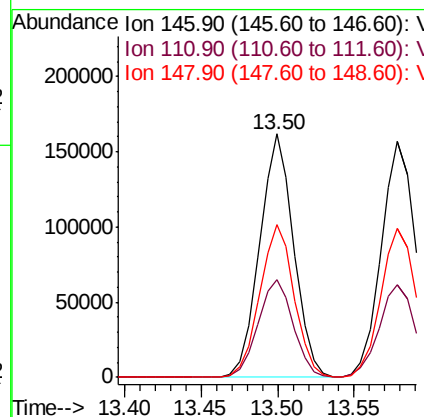
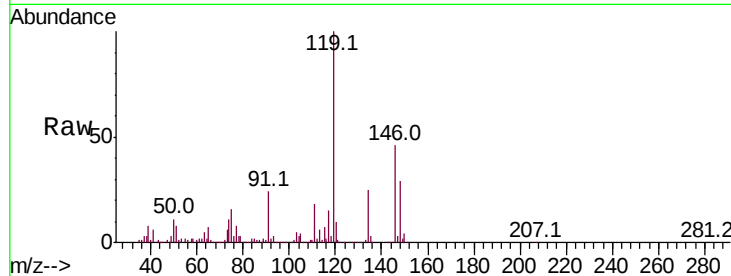
#87
 1,3-Dichlorobenzene
 Concen: 47.370 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.6
148	63.5	31.8	95.3

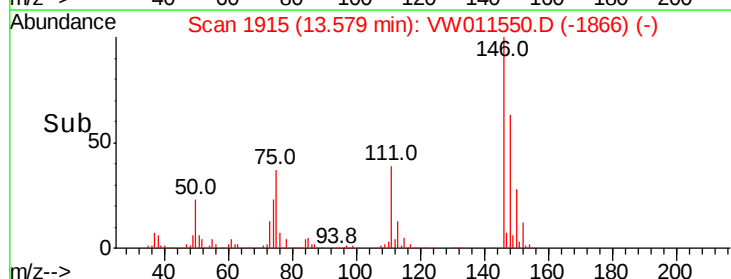
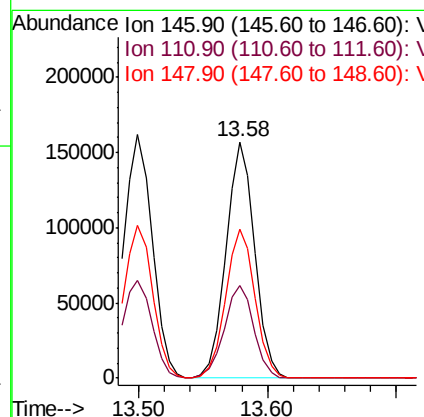
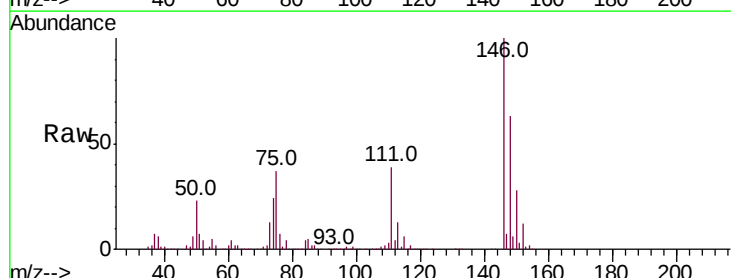
Manual Integrations
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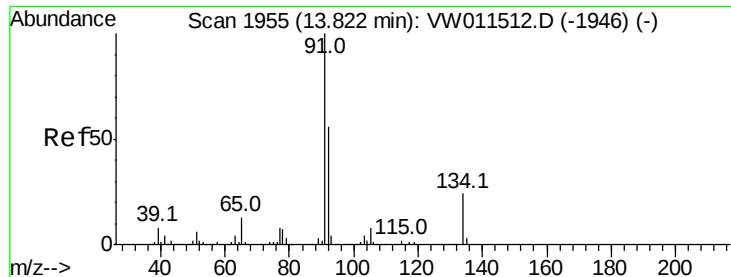
MMDadoda
 7/29/2019 9:19:39 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.774 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.2
148	64.5	31.9	95.9





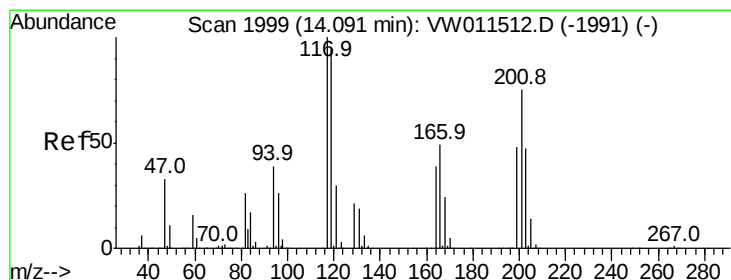
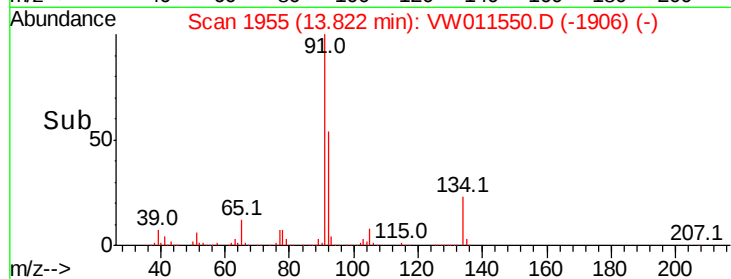
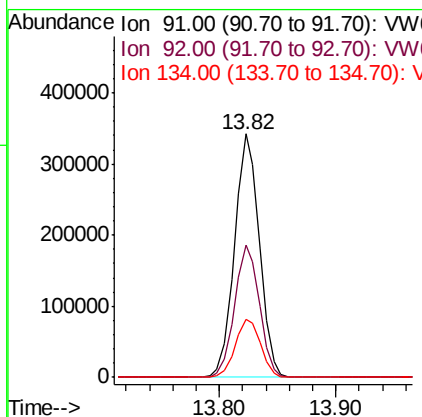
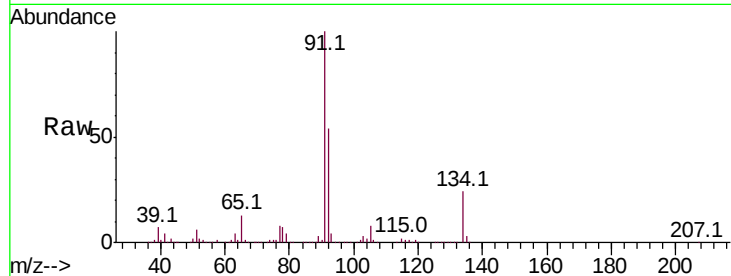
#89
n-Butylbenzene
Concen: 46.051 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.5	82.4
134	24.5	12.2	36.6

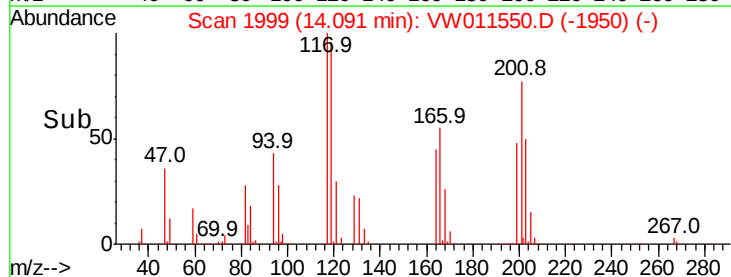
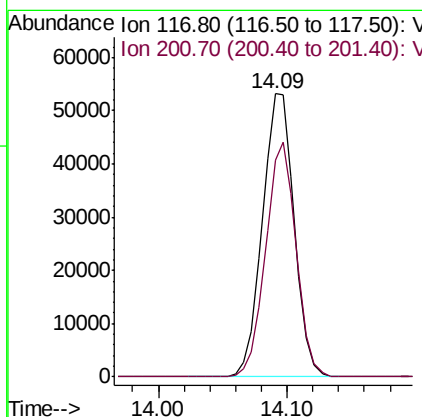
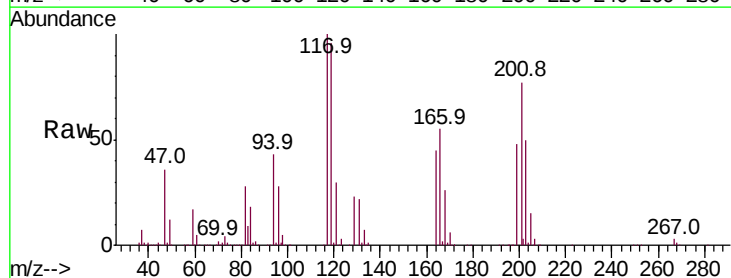
Manual Integrations
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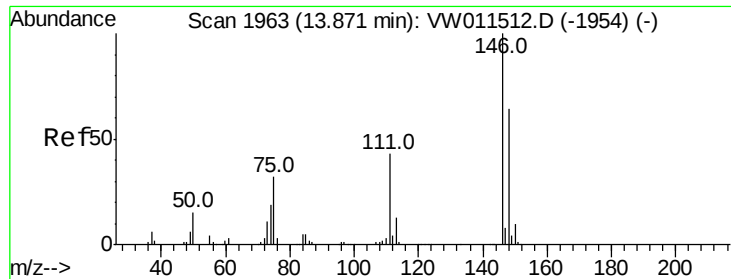
MMDadoda
7/29/2019 9:19:39 AM



#90
Hexachloroethane
Concen: 46.537 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.6	39.4	118.2





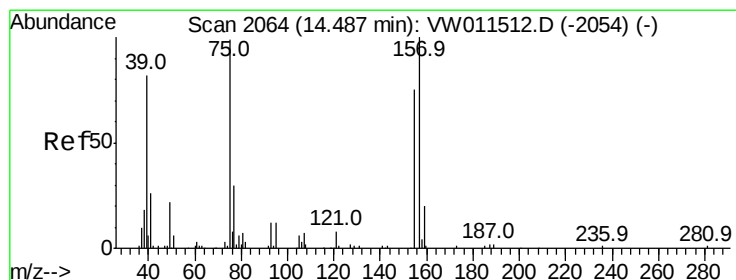
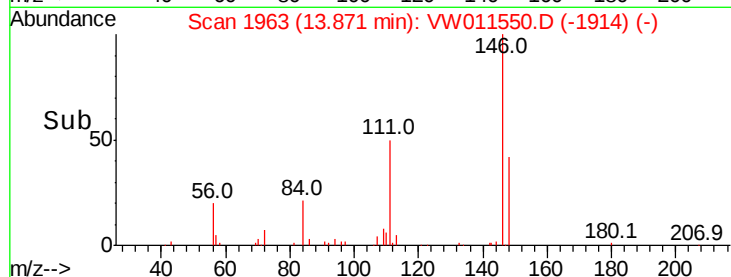
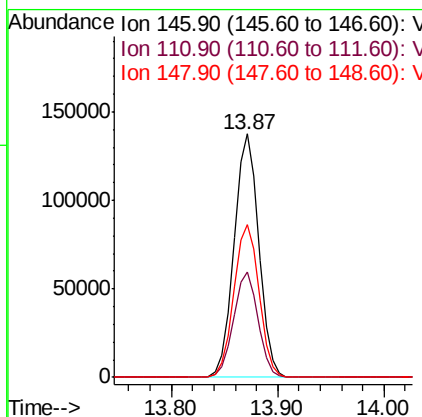
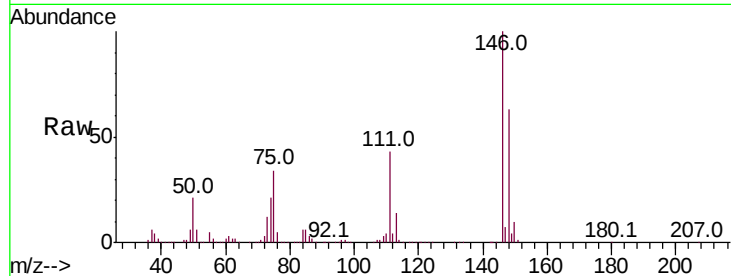
#91
 1,2-Dichlorobenzene
 Concen: 48.046 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	65.0
148	64.0	32.0	96.2

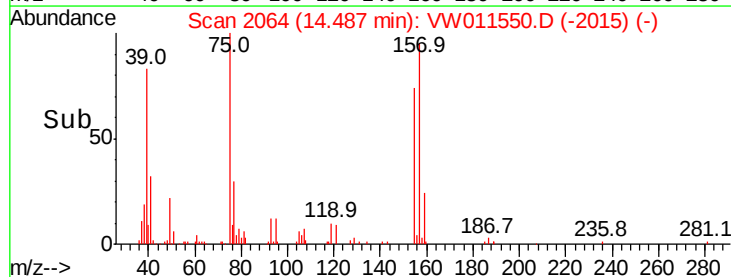
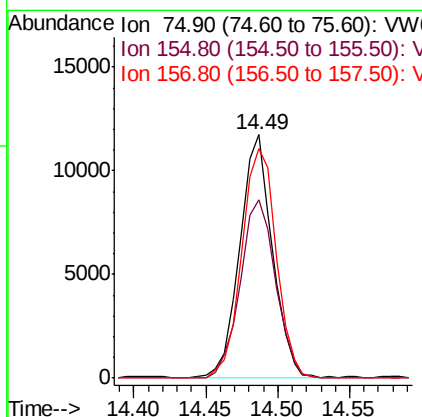
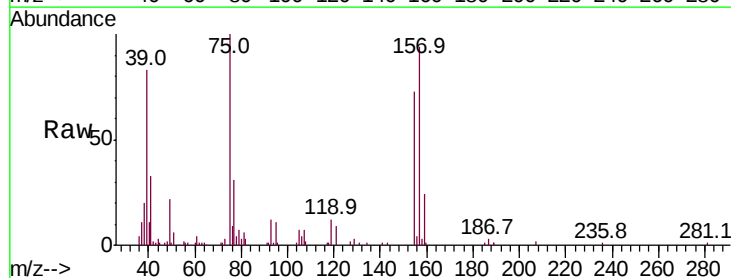
Manual Integrations
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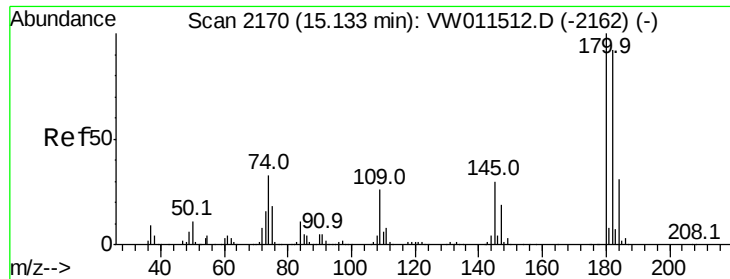
MMDadoda
 7/29/2019 9:19:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.305 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	38.2	114.6
157	99.3	48.9	146.7





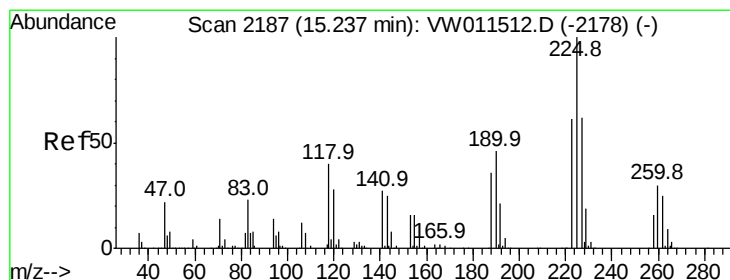
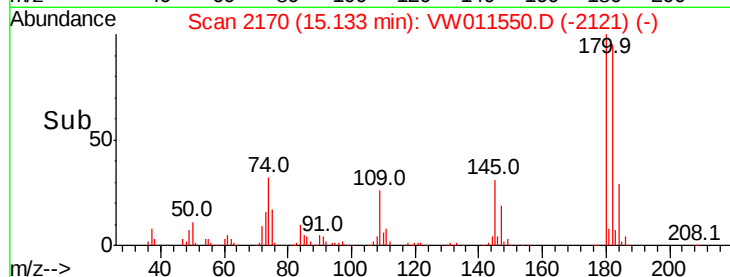
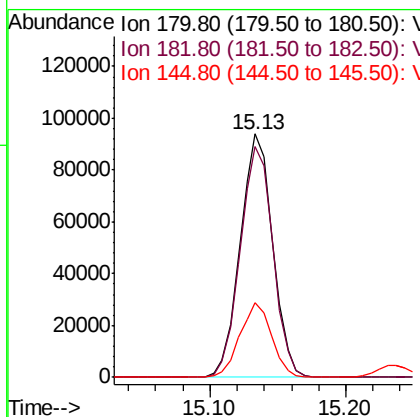
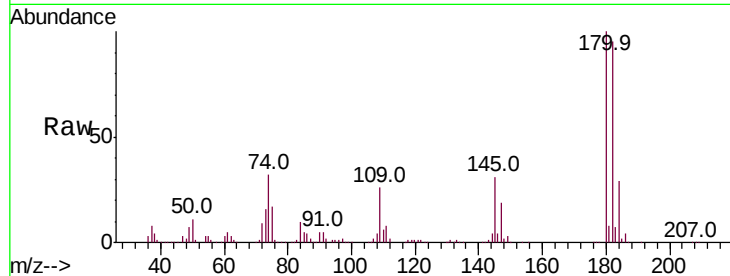
#93
1,2,4-Trichlorobenzene
Concen: 47.617 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	156296		
182	95.8	47.4	142.2	
145	30.1	15.4	46.1	

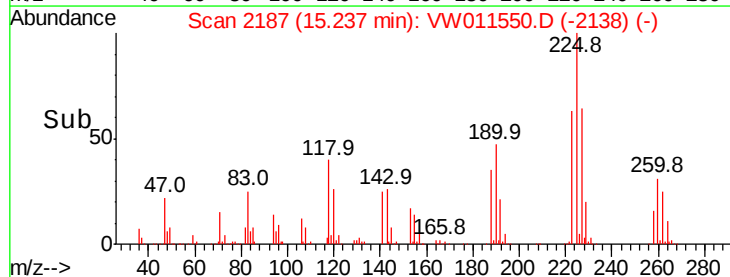
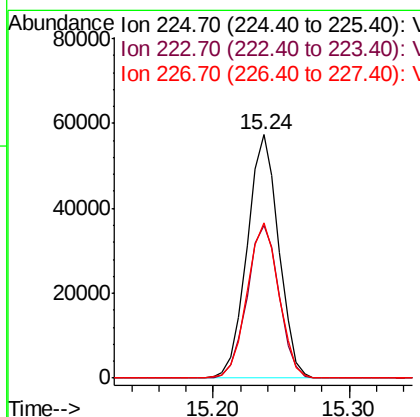
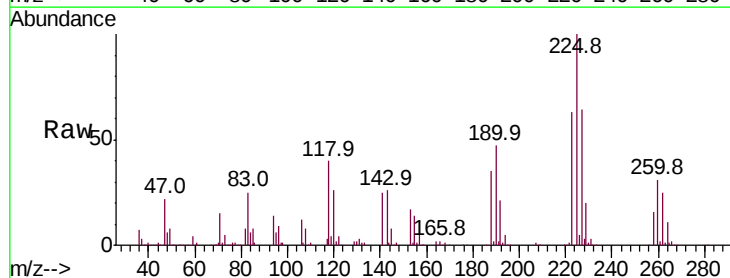
Manual Integrations
APPROVED

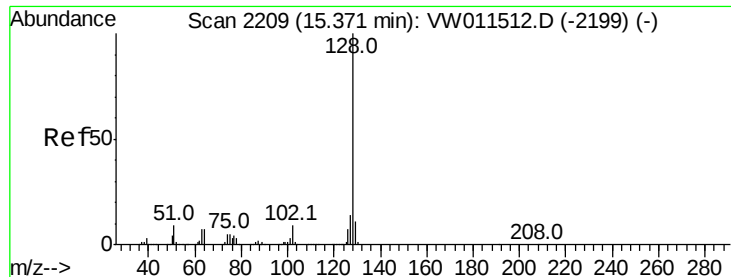
MMDadoda
7/29/2019 9:19:39 AM



#94
Hexachlorobutadiene
Concen: 45.527 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93192		
223	63.5	30.8	92.3	
227	64.2	31.6	94.7	





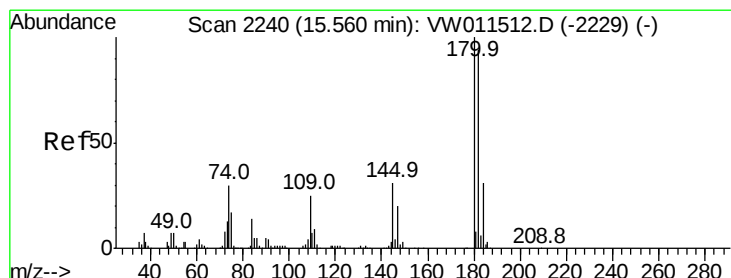
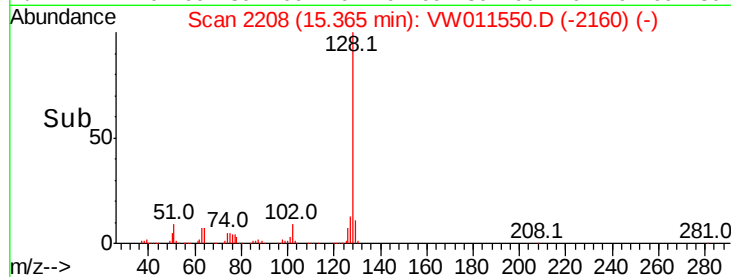
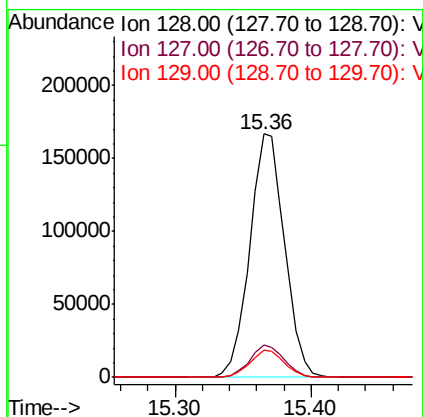
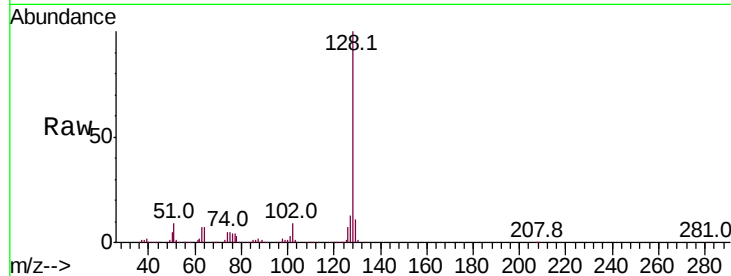
#95
Naphthalene
Concen: 46.642 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	298963		
127	13.1		10.6	16.0
129	10.9		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.761 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	137417		
182	95.8		47.4	142.2
145	32.1		15.9	47.7

