

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090219\
 Data File : VW012488.D
 Acq On : 02 Sep 2019 10:08
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:56:08 AM

Quant Time: Sep 03 07:51:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	217742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	337055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	138165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137571	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	7.88	113	109517	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	
50) Toluene-d8	10.32	98	438071	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
62) 4-Bromofluorobenzene	12.62	95	154423	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	60728	45.295	ug/l	99
3) Chloromethane	2.21	50	97315	46.850	ug/l	97
4) Vinyl Chloride	2.36	62	116006	45.629	ug/l	99
5) Bromomethane	2.78	94	62206	48.313	ug/l	98
6) Chloroethane	2.92	64	68210	47.560	ug/l	94
7) Trichlorofluoromethane	3.26	101	74817	58.607	ug/l	99
8) Diethyl Ether	3.68	74	56782	46.860	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	104946	48.364	ug/l	98
10) Methyl Iodide	4.26	142	144418	49.189	ug/l	98
11) Tert butyl alcohol	5.15	59	40381	259.235	ug/l	99
12) 1,1-Dichloroethene	4.04	96	104674	47.926	ug/l	99
13) Acrolein	3.89	56	10943	74.630	ug/l	94
14) Allyl chloride	4.66	41	231451	49.570	ug/l	99
15) Acrylonitrile	5.35	53	143744	239.331	ug/l	100
16) Acetone	4.11	43	182546	275.893	ug/l	99
17) Carbon Disulfide	4.38	76	303790	46.024	ug/l	99
18) Methyl Acetate	4.67	43	78605	47.965	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	187207	53.004	ug/l	99
20) Methylene Chloride	4.91	84	111865	44.722	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	110486	47.175	ug/l	98
22) Diisopropyl ether	6.31	45	426277	49.253	ug/l	98
23) Vinyl Acetate	6.25	43	1297656	243.633	ug/l	99
24) 1,1-Dichloroethane	6.21	63	229971	48.801	ug/l	99
25) 2-Butanone	7.17	43	219897	244.571	ug/l	98
26) 2,2-Dichloropropane	7.17	77	143415	53.769	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	121758	48.659	ug/l	98
28) Bromochloromethane	7.51	49	93462	45.505	ug/l	98
29) Tetrahydrofuran	7.52	42	132055	244.805	ug/l	99
30) Chloroform	7.67	83	214603	49.776	ug/l	97
31) Cyclohexane	7.95	56	207045	44.409	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	177423	52.021	ug/l	99
36) 1,1-Dichloropropene	8.08	75	174691	50.154	ug/l	100
37) Ethyl Acetate	7.25	43	90828	47.587	ug/l	99
38) Carbon Tetrachloride	8.07	117	159602	52.942	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	191460	48.930	ug/l	98
40) Benzene	8.32	78	468203	49.229	ug/l	99
41) Methacrylonitrile	7.48	41	58874	52.482	ug/l	96
42) 1,2-Dichloroethane	8.40	62	152331	51.105	ug/l	100
43) Isopropyl Acetate	8.42	43	173520	49.080	ug/l	100
44) Trichloroethene	9.09	130	116040	50.190	ug/l	98
45) 1,2-Dichloropropane	9.37	63	123945	48.423	ug/l	99
46) Dibromomethane	9.46	93	55793	48.990	ug/l	98
47) Bromodichloromethane	9.65	83	155618	51.342	ug/l	96
48) Methyl methacrylate	9.43	41	82857	49.240	ug/l	98
49) 1,4-Dioxane	9.44	88	16866	967.386	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	442219	245.917	ug/l	99
52) Toluene	10.38	92	284539	49.801	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	159411	51.632	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	188915	50.676	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	79247	49.181	ug/l	98
56) Ethyl methacrylate	10.65	69	119137	50.801	ug/l	99
57) 1,3-Dichloropropane	10.93	76	150504	49.427	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	305173	253.553	ug/l	100
59) 2-Hexanone	10.96	43	322922	253.795	ug/l	99
60) Dibromochloromethane	11.13	129	91946	51.230	ug/l	100
61) 1,2-Dibromoethane	11.23	107	75359	50.200	ug/l	96
64) Tetrachloroethene	10.86	164	95166	51.074	ug/l	97
65) Chlorobenzene	11.66	112	280564	49.577	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	101819	51.574	ug/l	99
67) Ethyl Benzene	11.73	91	561322	51.491	ug/l	99
68) m/p-Xylenes	11.83	106	398972	101.602	ug/l	99
69) o-Xylene	12.16	106	185329	50.993	ug/l	100
70) Styrene	12.18	104	320406	50.933	ug/l	98
71) Bromoform	12.35	173	51065	51.915	ug/l #	100
73) Isopropylbenzene	12.46	105	531336	51.322	ug/l	99
74) N-amyl acetate	12.27	43	157336	50.301	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	92326	48.644	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	63975m	47.543	ug/l	
77) Bromobenzene	12.74	156	113825	50.821	ug/l	97
78) n-propylbenzene	12.80	91	642599	50.843	ug/l	99
79) 2-Chlorotoluene	12.89	91	361535	50.384	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	446587	51.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	30824	50.224	ug/l	96
82) 4-Chlorotoluene	12.99	91	380929	50.700	ug/l	100
83) tert-Butylbenzene	13.21	119	381095	52.005	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	441614	50.818	ug/l	100
85) sec-Butylbenzene	13.38	105	534456	50.907	ug/l	99
86) p-Isopropyltoluene	13.50	119	484570	51.682	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	217529	49.655	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	215628	49.571	ug/l	99
89) n-Butylbenzene	13.82	91	477426	51.205	ug/l	100
90) Hexachloroethane	14.09	117	82642	50.239	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	193475	50.343	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16185	50.583	ug/l	96

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QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	132025	49.711	ug/l	99
94) Hexachlorobutadiene	15.24	225	87749	50.038	ug/l	99
95) Naphthalene	15.36	128	229774	44.600	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	112709	48.641	ug/l	98

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

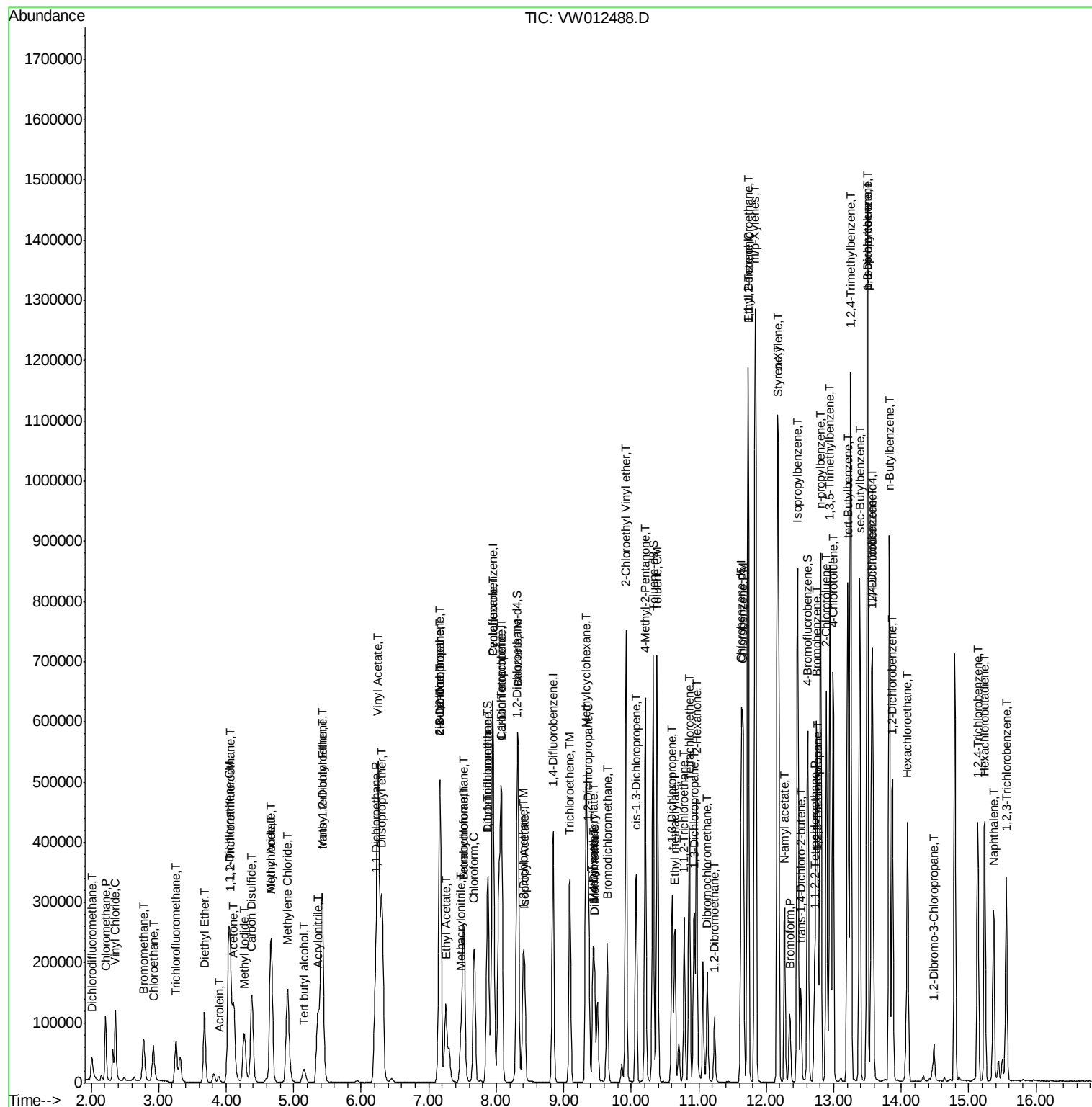
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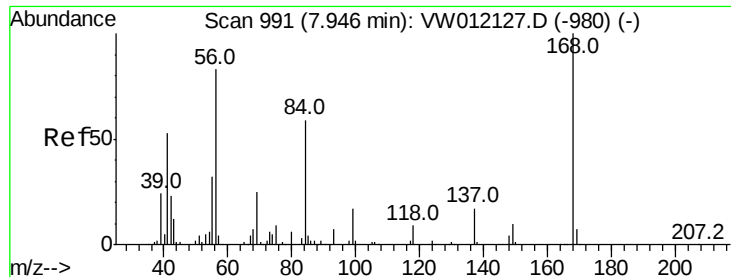
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 Quant Title : SW846 8260
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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: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 217742

Ion Ratio Lower Upper

168 100

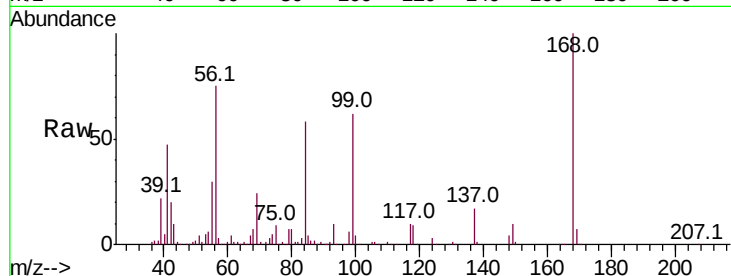
99 62.0 49.2 73.8

Manual Integrations

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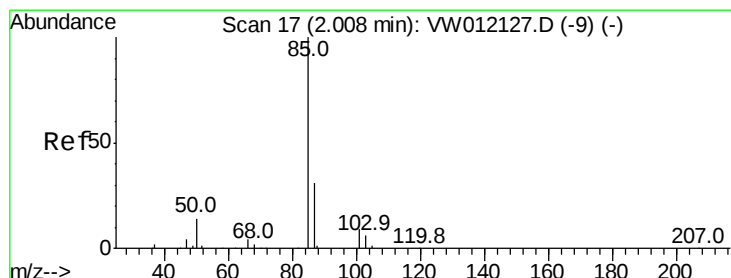
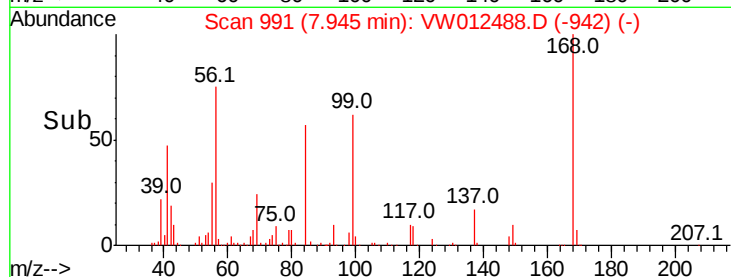
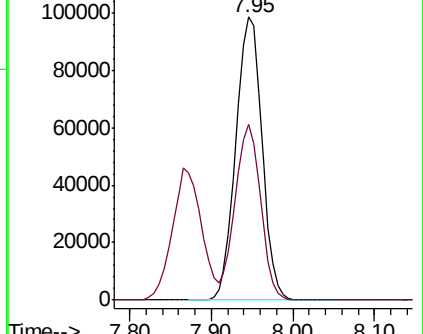
MMDadoda

9/3/2019 10:56:08 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 45.295 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012488.D

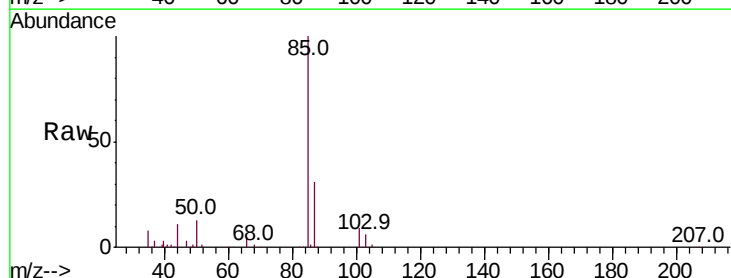
Acq: 02 Sep 2019 10:08

Tgt Ion: 85 Resp: 60728

Ion Ratio Lower Upper

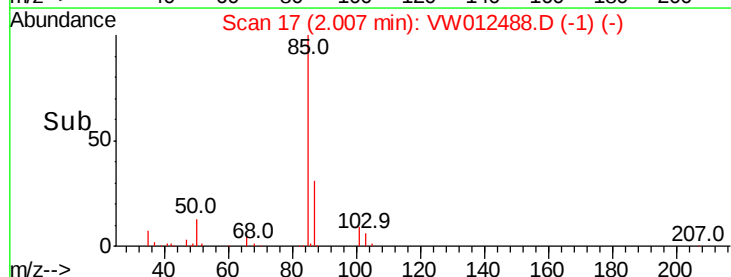
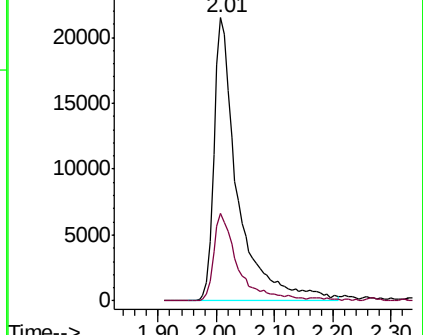
85 100

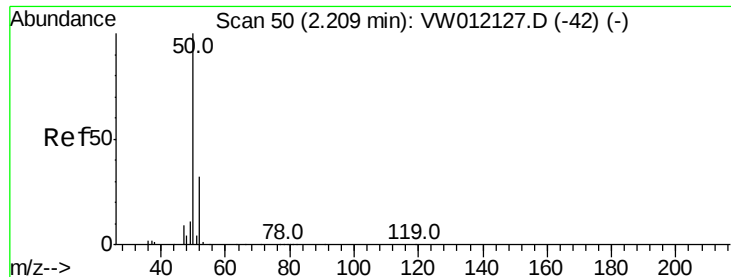
87 30.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.850 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 97315

Ion Ratio Lower Upper

50 100

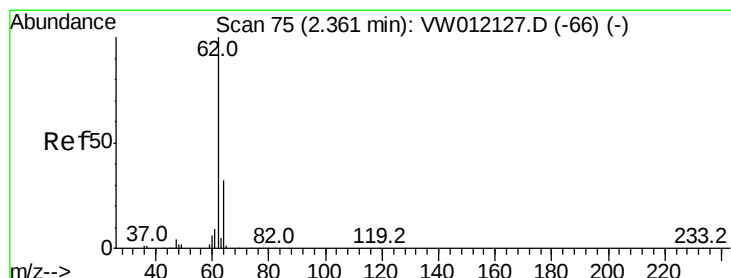
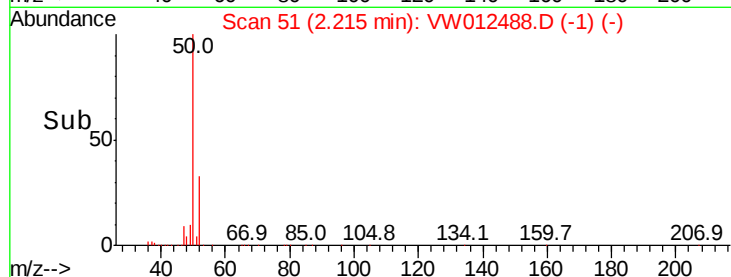
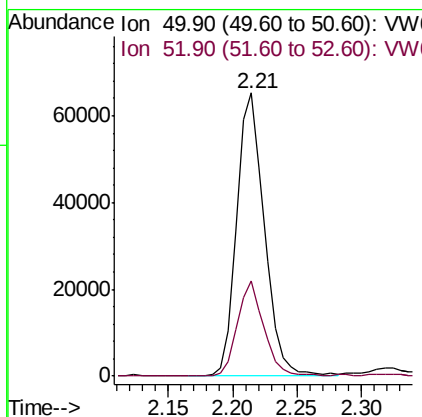
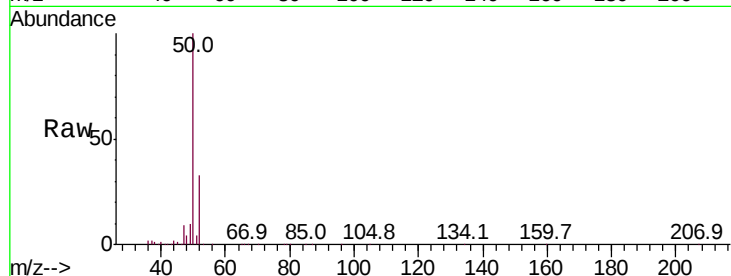
52 33.5 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.629 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012488.D

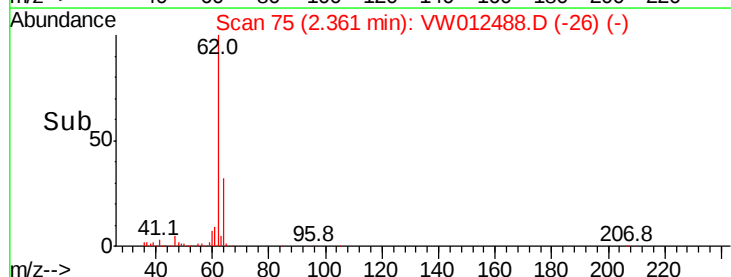
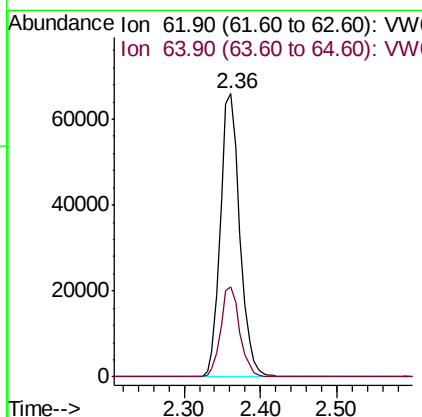
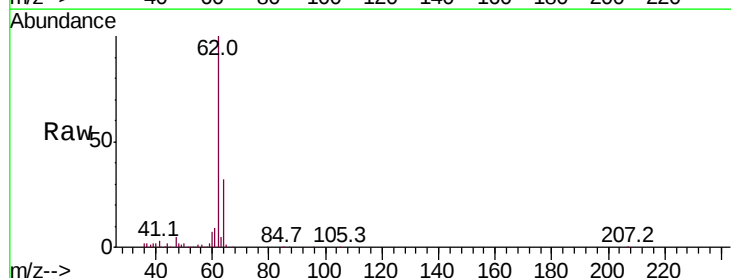
Acq: 02 Sep 2019 10:08

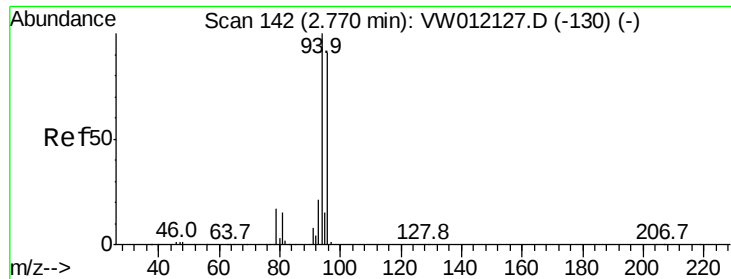
Tgt Ion: 62 Resp: 116006

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 48.313 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 62206

Ion Ratio Lower Upper

94 100

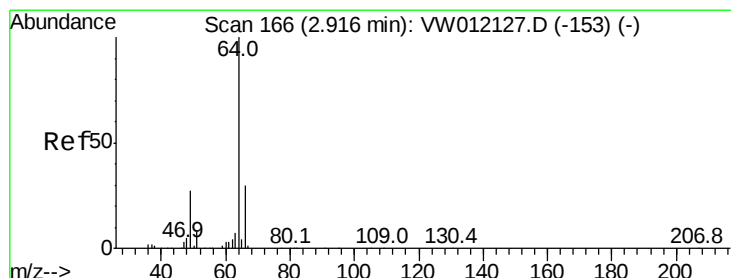
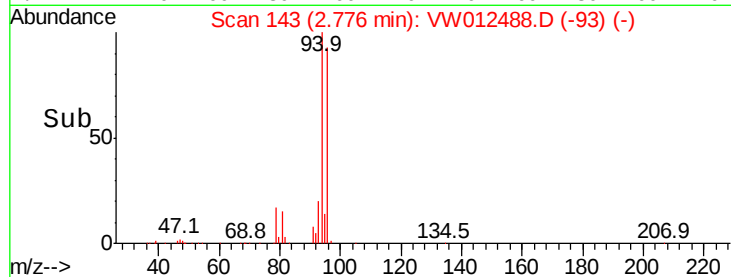
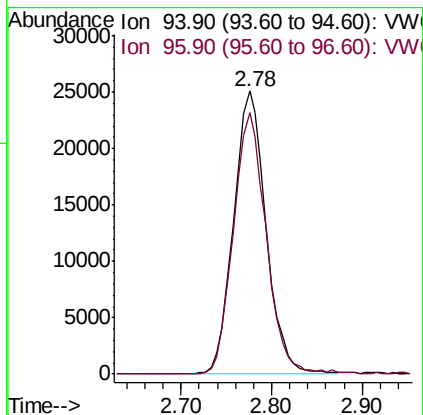
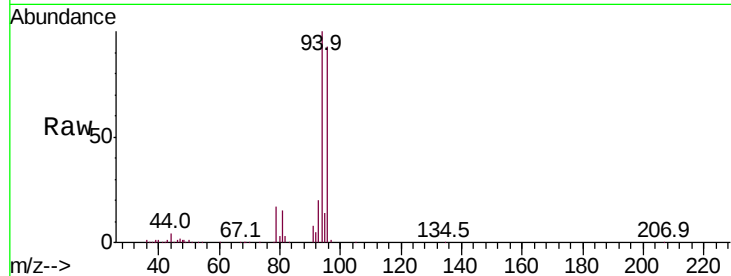
96 92.6 72.9 109.3

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#6

Chloroethane

Concen: 47.560 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012488.D

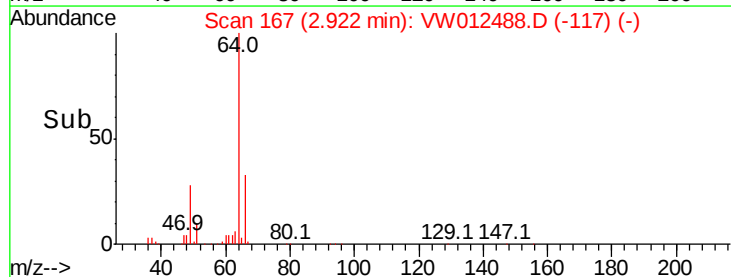
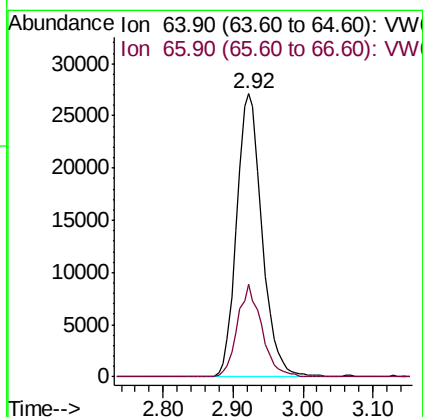
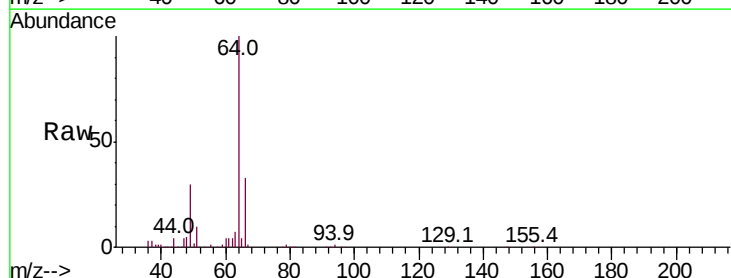
Acq: 02 Sep 2019 10:08

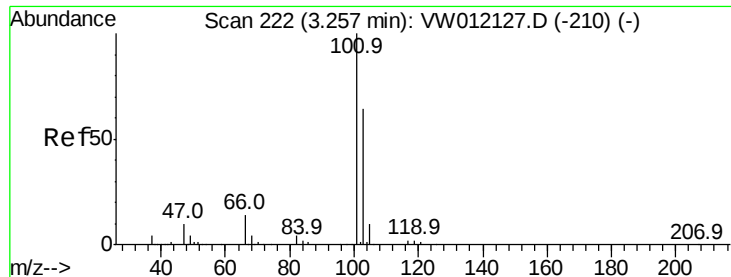
Tgt Ion: 64 Resp: 68210

Ion Ratio Lower Upper

64 100

66 32.8 23.8 35.8





#7

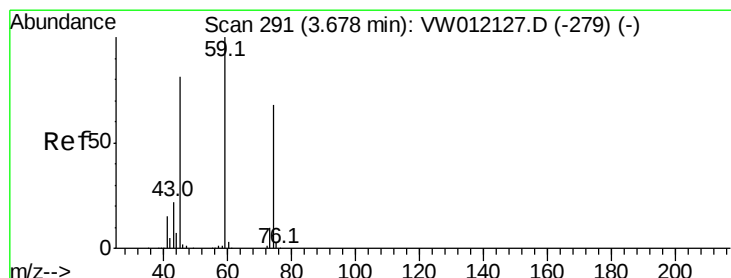
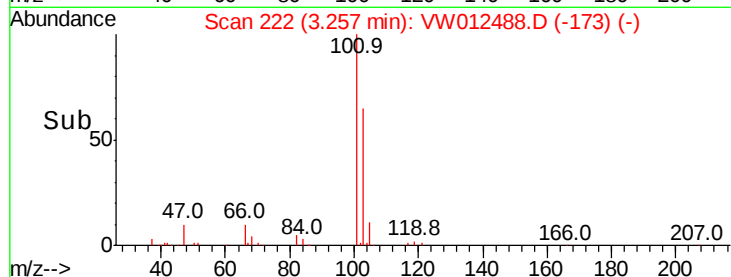
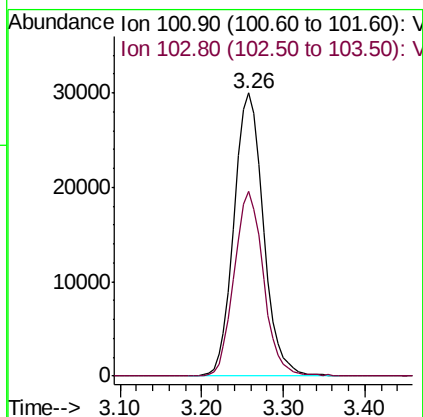
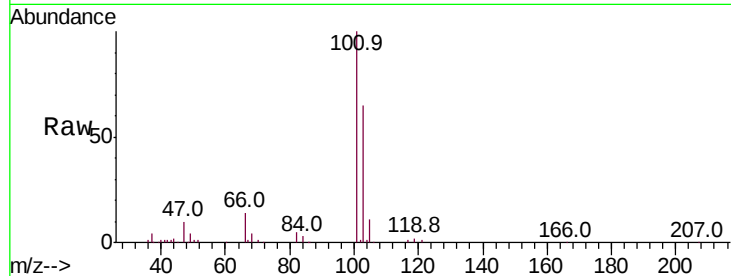
Trichlorofluoromethane
 Concen: 58.607 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.2	76.8

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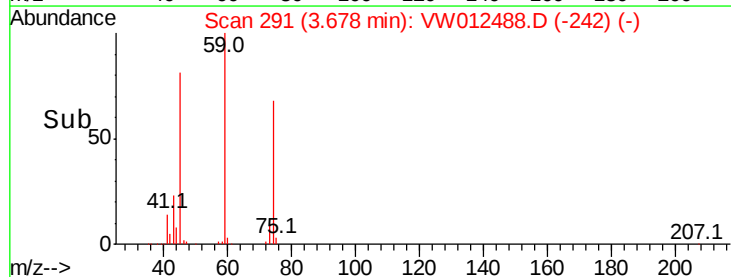
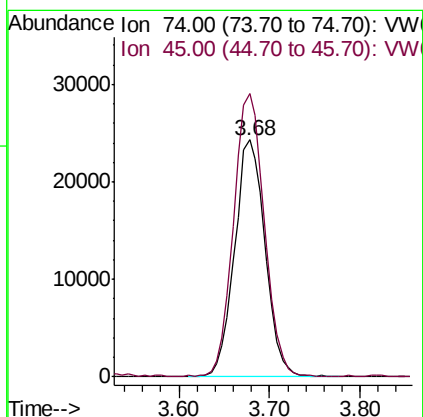
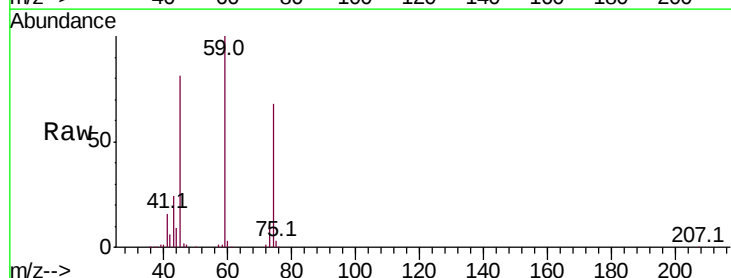
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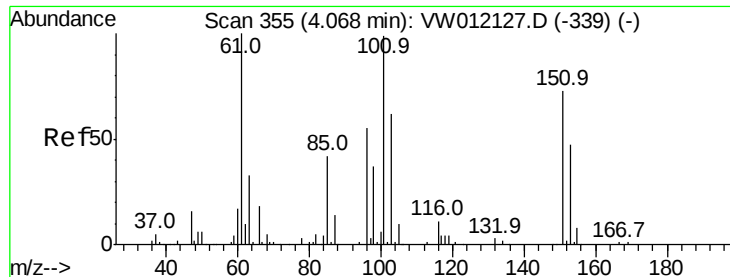


#8

Diethyl Ether
 Concen: 46.860 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.9	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.364 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

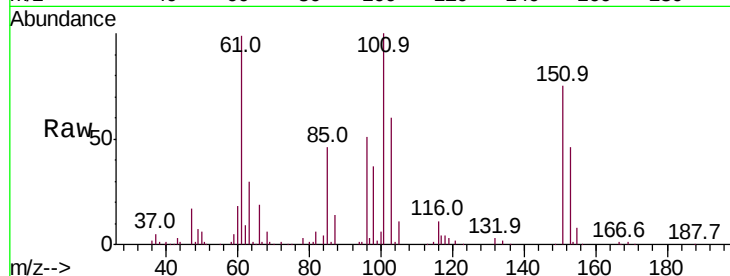
ClientSampled :

VSTDCCC050

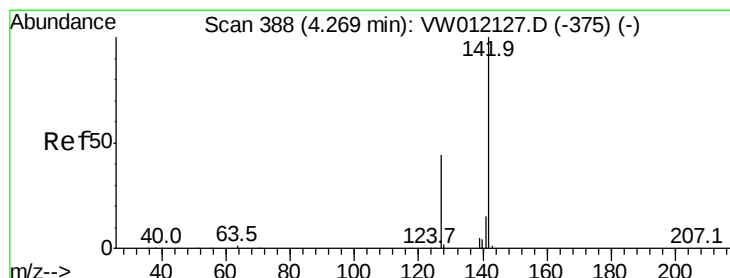
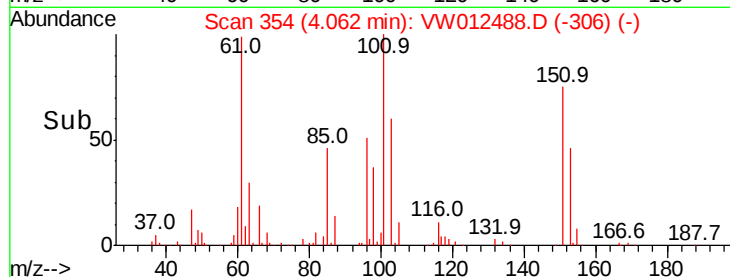
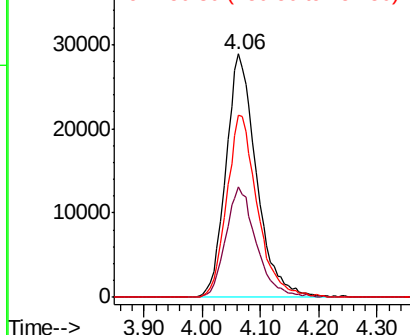
Tot Ion:	101	Resp:	104946
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.8	53.6
151	75.1	58.6	87.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.189 ug/l

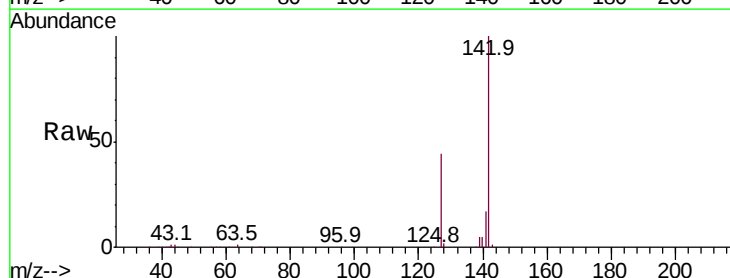
RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

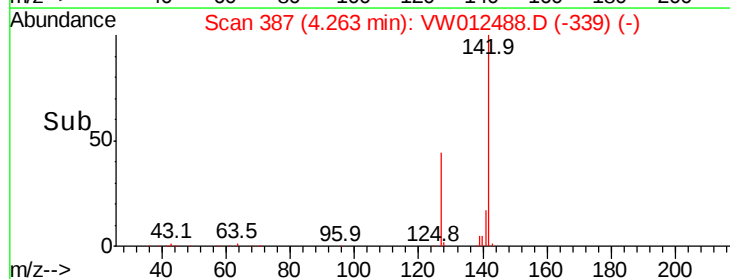
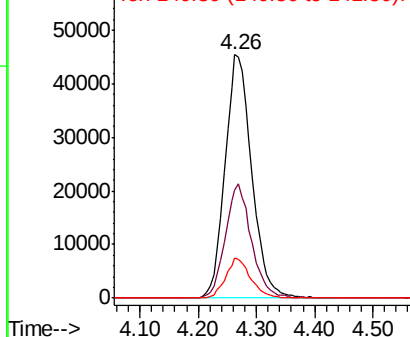
Lab File: VW012488.D

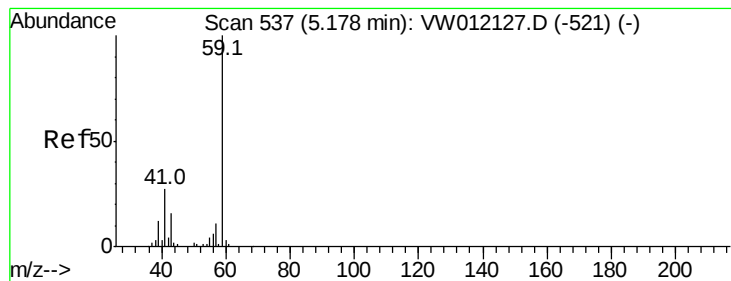
Acq: 02 Sep 2019 10:08

Tgt Ion:	142	Resp:	144418
Ion Ratio	Lower	Upper	
142	100		
127	45.6	35.5	53.3
141	15.4	11.8	17.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

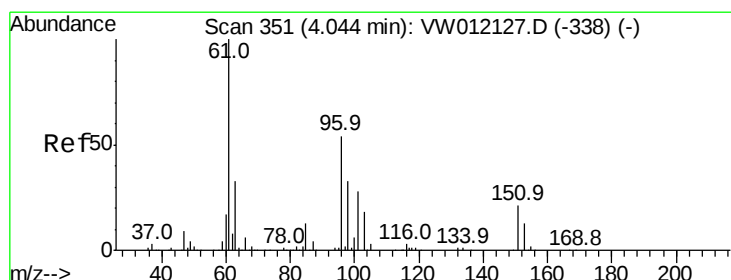
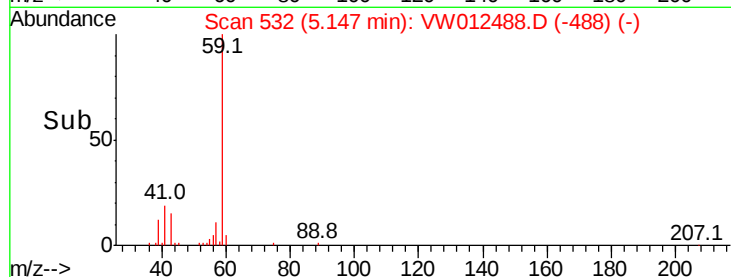
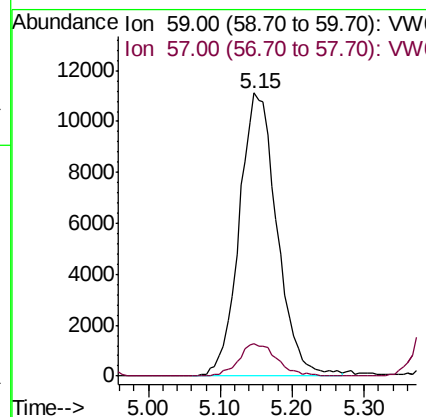
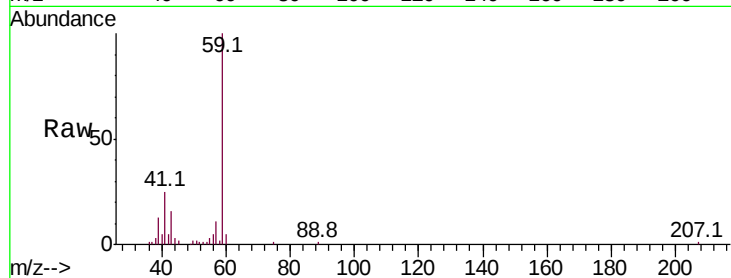
Tert butyl alcohol
Concen: 259.235 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.03 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	40381
Ion Ratio	100	Lower	Upper
57	11.6	9.0	13.4

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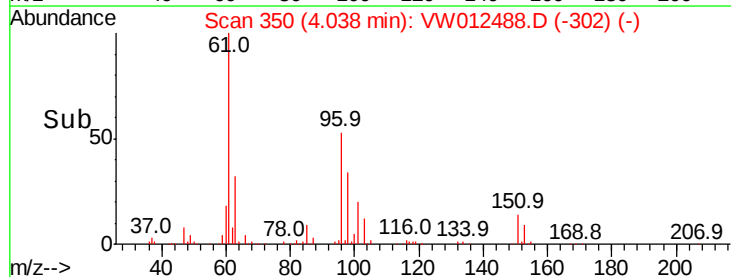
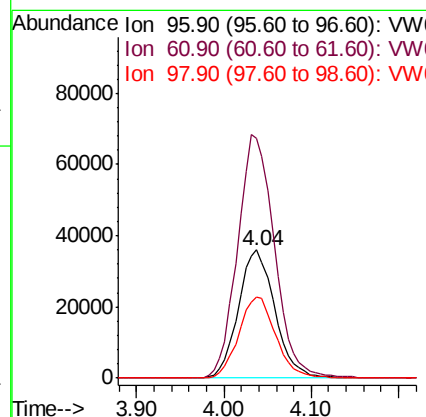
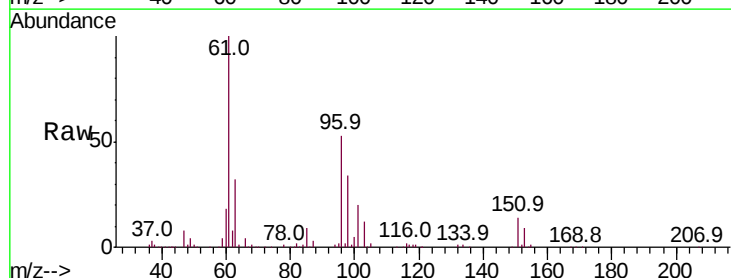
MMDadoda
9/3/2019 10:56:08 AM

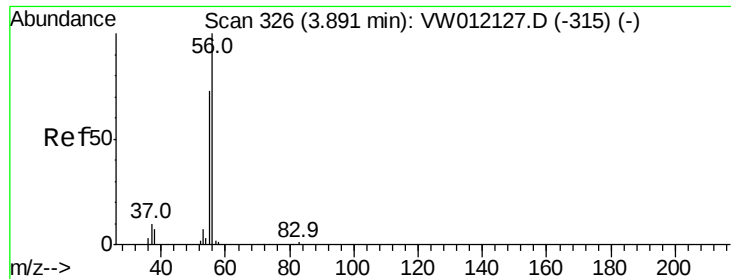


#12

1,1-Dichloroethene
Concen: 47.926 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	96	Resp	104674
Ion Ratio	100	Lower	Upper
61	187.0	149.1	223.7
98	62.7	49.4	74.2





#13

Acrolein

Concen: 74.630 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 10943

Ion Ratio Lower Upper

56 100

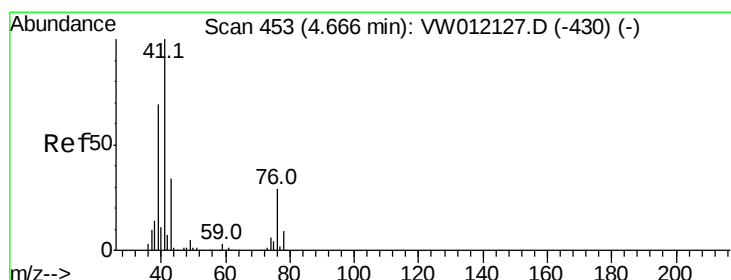
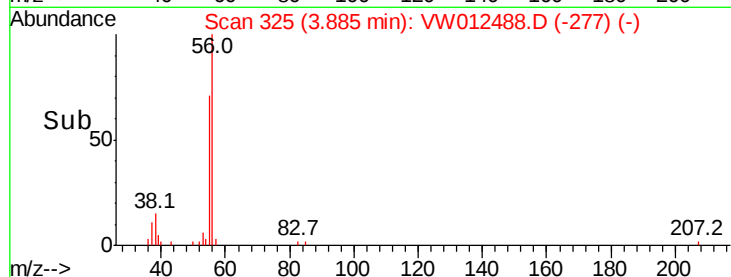
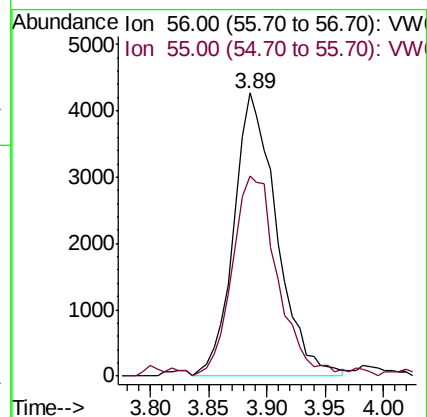
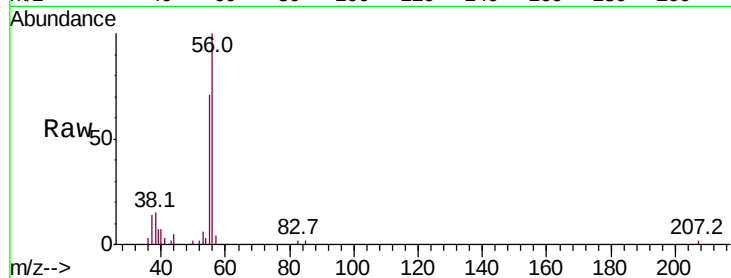
55 75.1 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 49.570 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

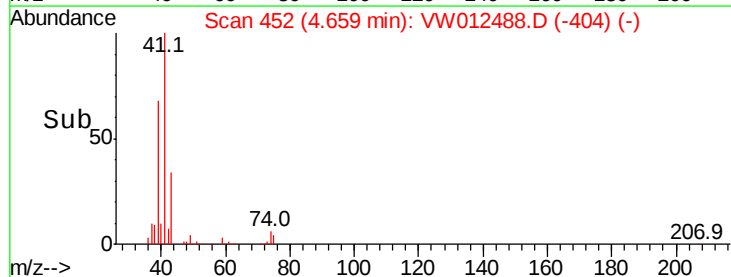
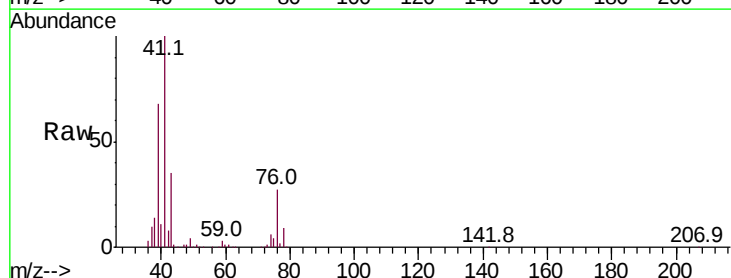
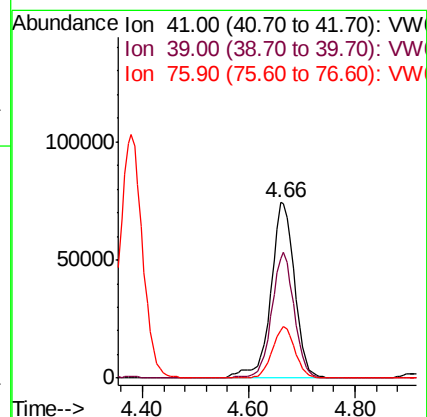
Tgt Ion: 41 Resp: 231451

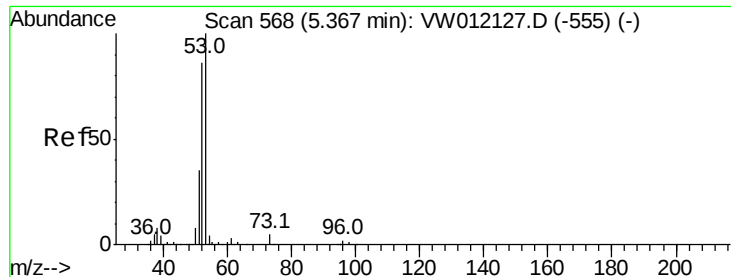
Ion Ratio Lower Upper

41 100

39 67.8 53.4 80.2

76 27.7 22.1 33.1





#15

Acrylonitrile

Concen: 239.331 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

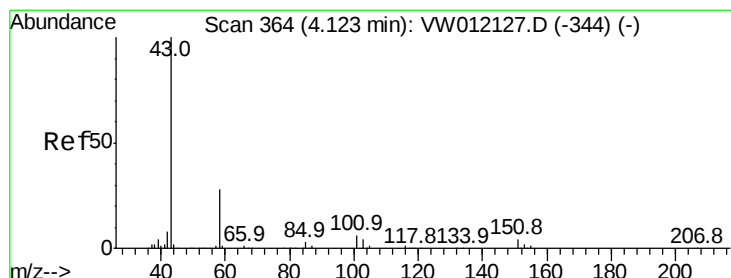
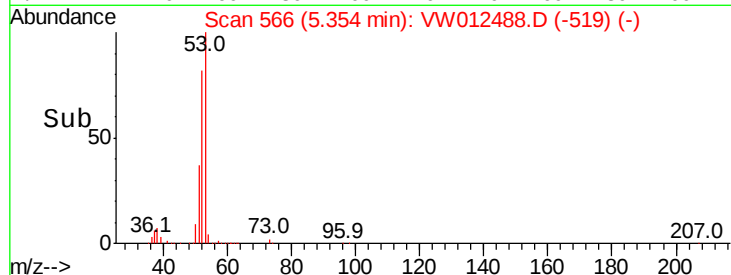
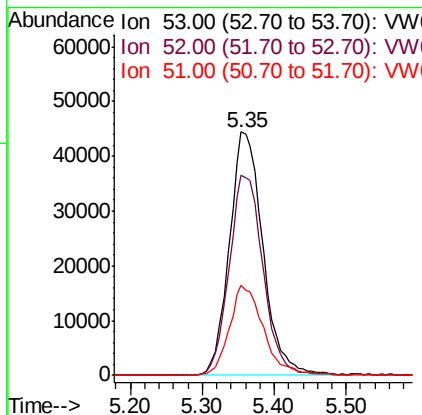
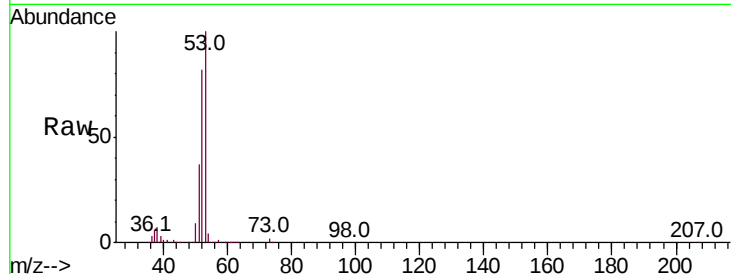
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	143744
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.7	100.1
51	37.7	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 275.893 ug/l

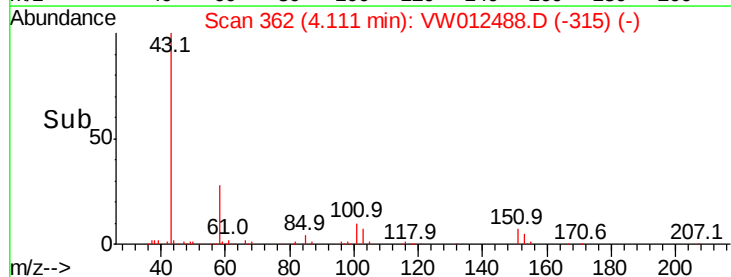
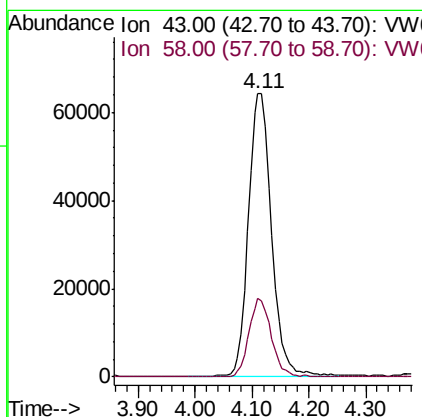
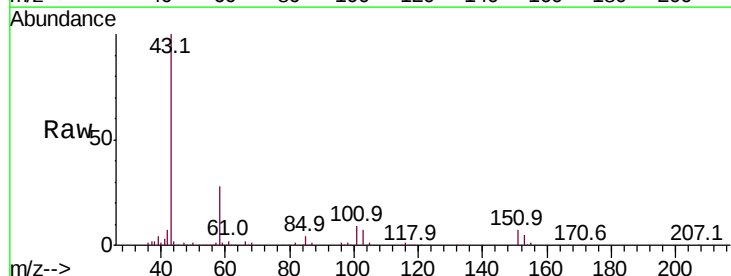
RT: 4.11 min Scan# 362

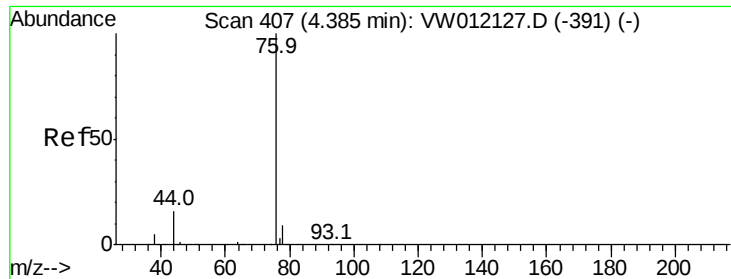
Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Tgt Ion:	43	Resp:	182546
Ion Ratio	Lower	Upper	
43	100		
58	27.6	22.4	33.6





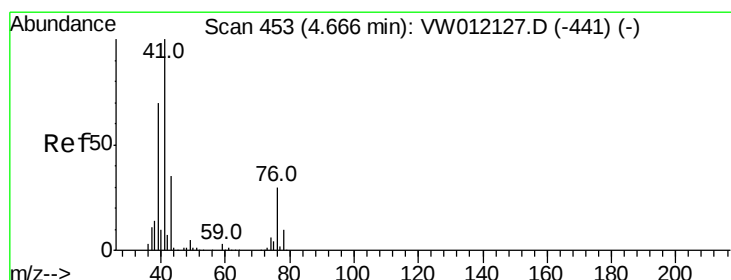
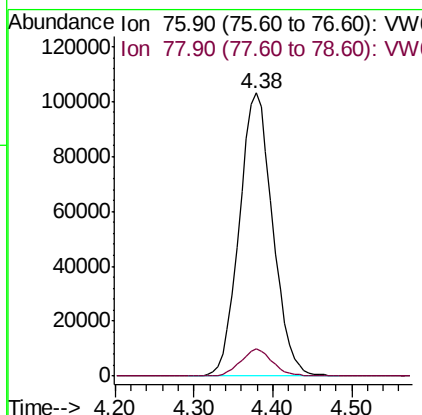
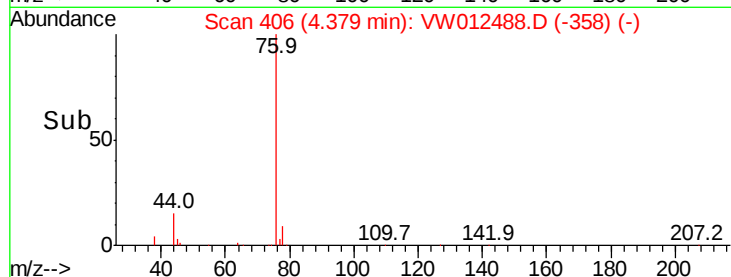
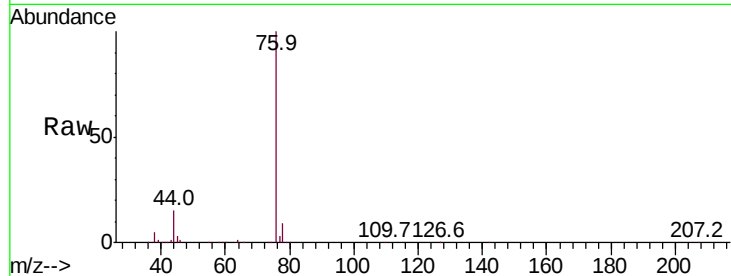
#17
Carbon Disulfide
Concen: 46.024 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

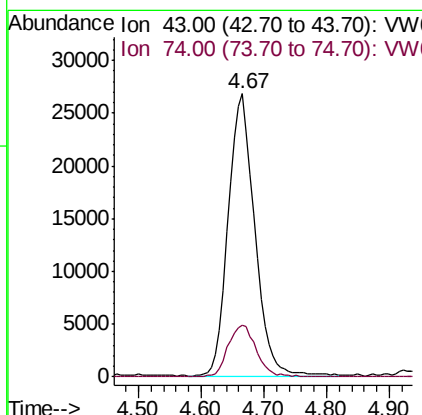
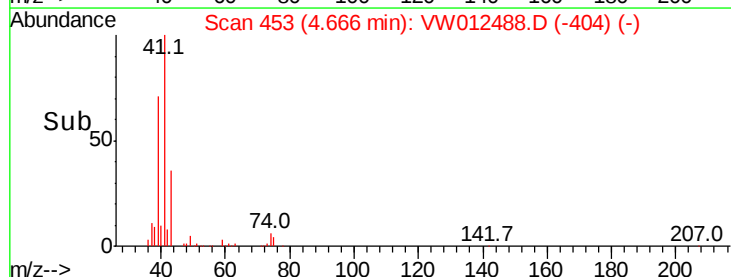
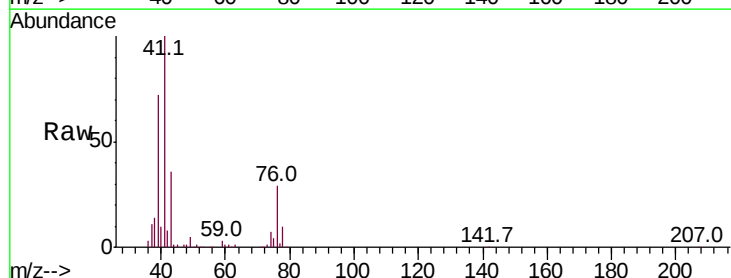
Manual Integrations
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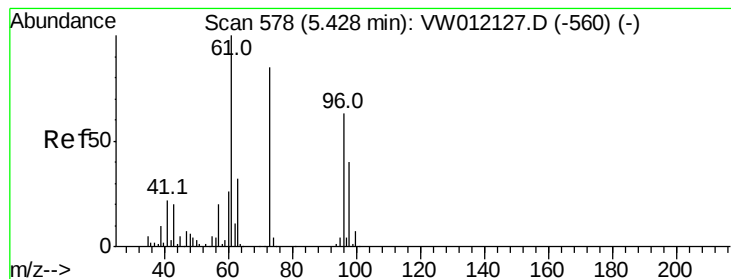
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#18
Methyl Acetate
Concen: 47.965 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	15.7	23.5





#19

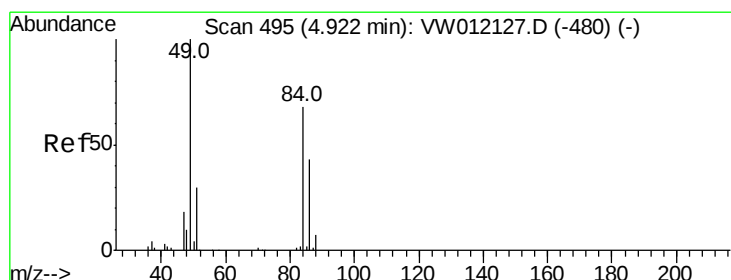
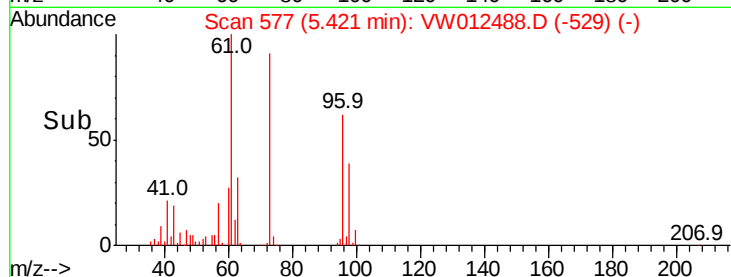
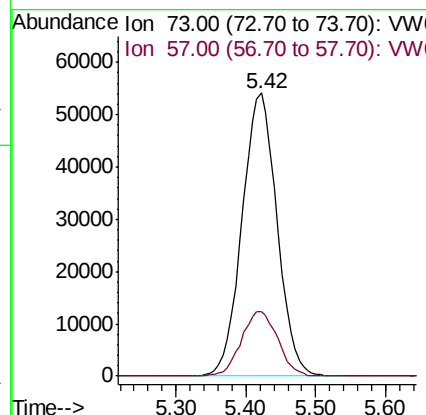
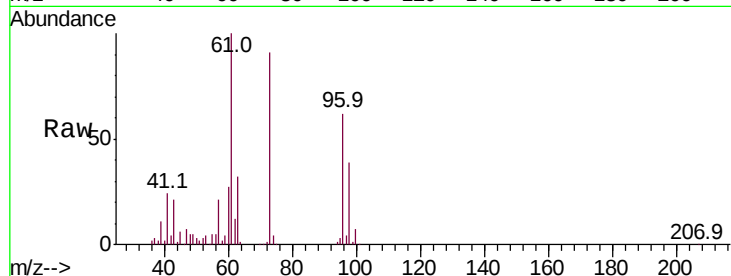
Methyl tert-butyl Ether
 Concen: 53.004 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.9	28.3

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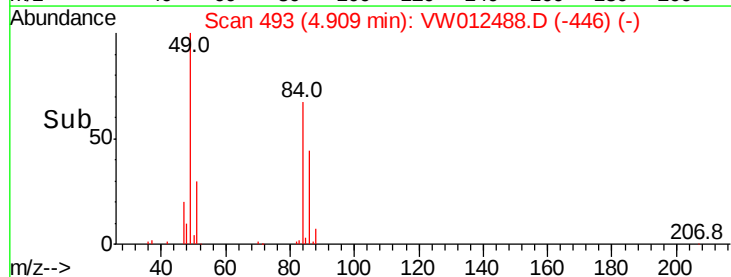
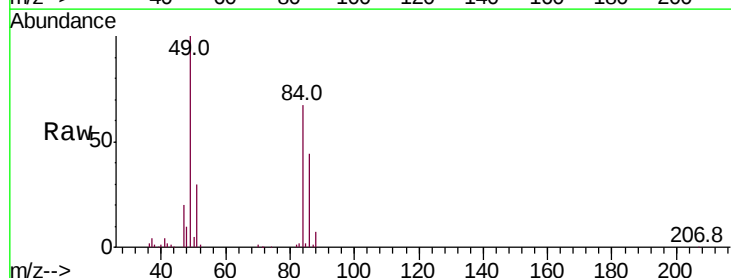
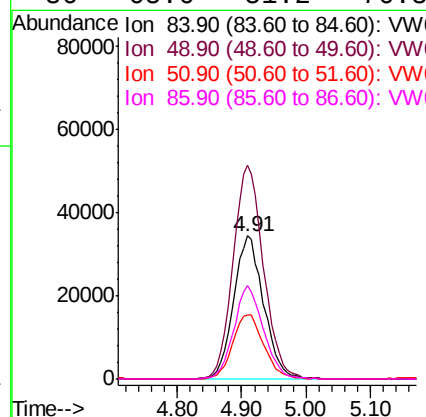
MMDadoda
 9/3/2019 10:56:08 AM

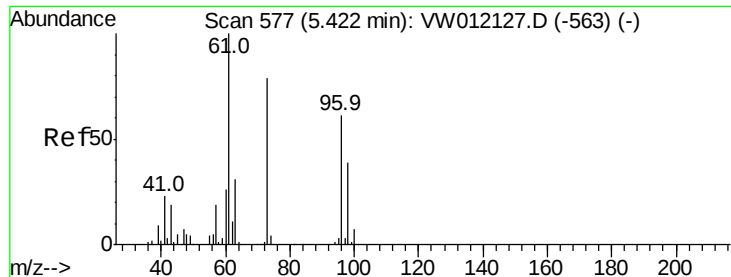


#20

Methylene Chloride
 Concen: 44.722 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.2	117.8	176.8
51	44.6	35.6	53.4
86	65.6	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 47.175 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 110486

Ion Ratio Lower Upper

96 100

61 160.8 131.4 197.0

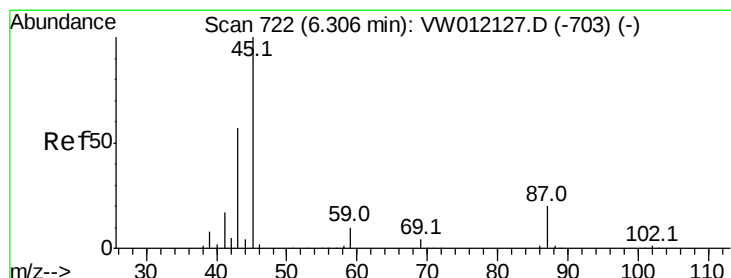
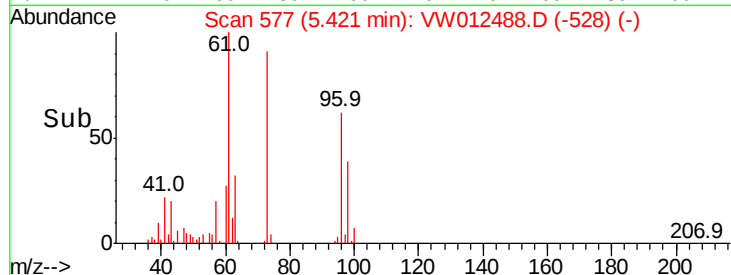
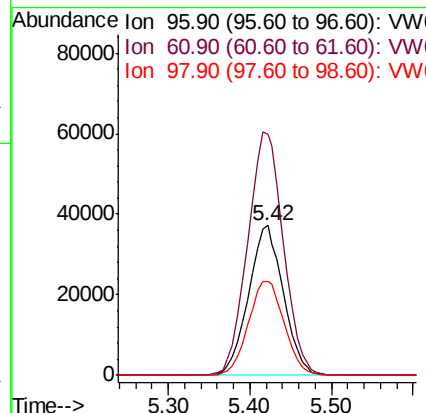
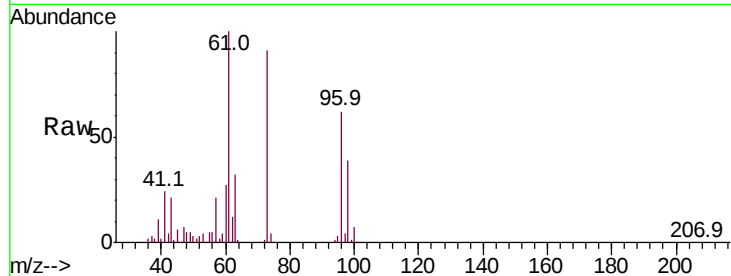
98 62.7 51.4 77.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 49.253 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Tgt Ion: 45 Resp: 426277

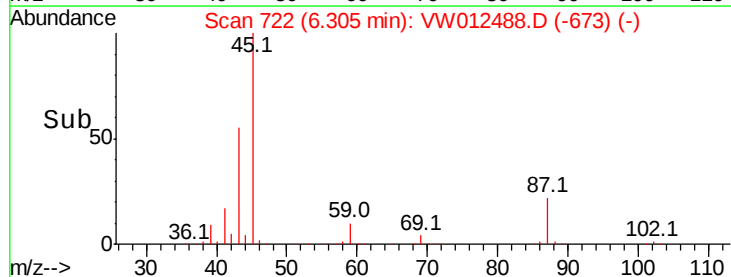
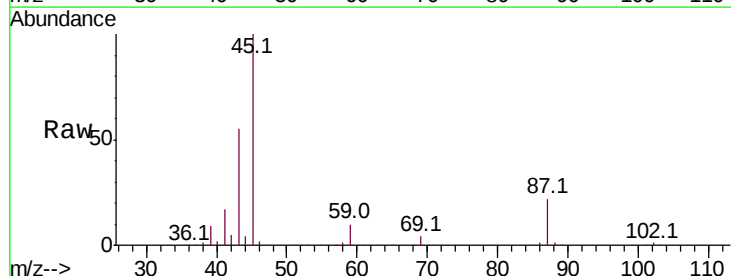
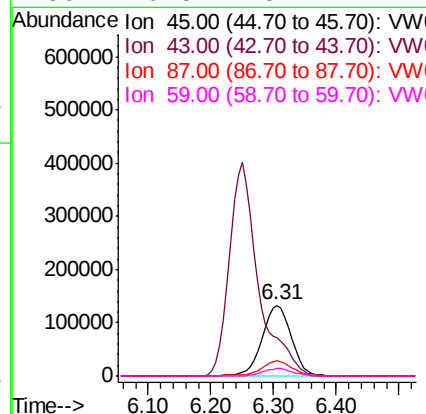
Ion Ratio Lower Upper

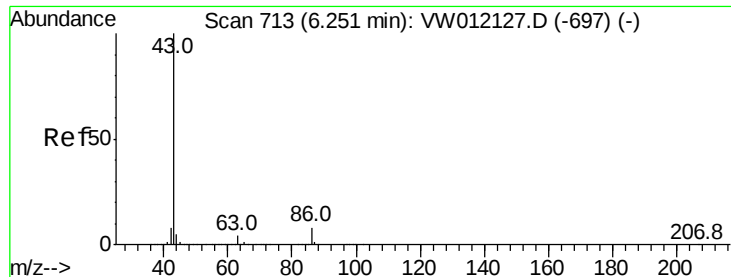
45 100

43 55.0 45.5 68.3

87 21.7 16.1 24.1

59 10.3 8.2 12.2





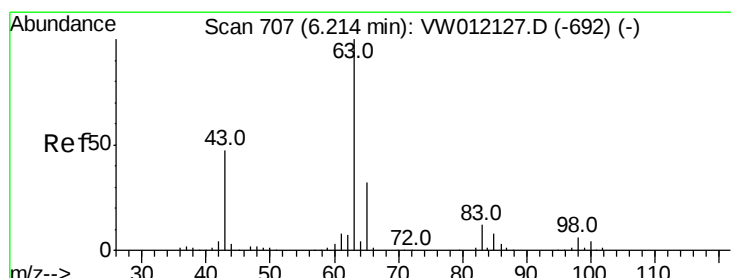
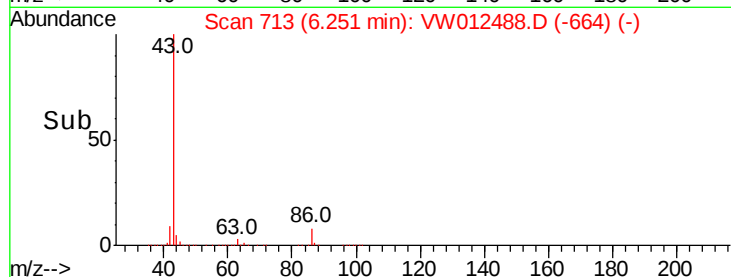
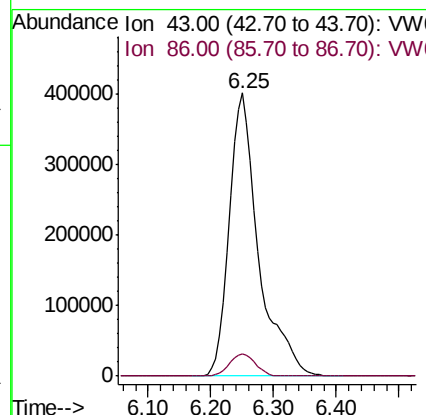
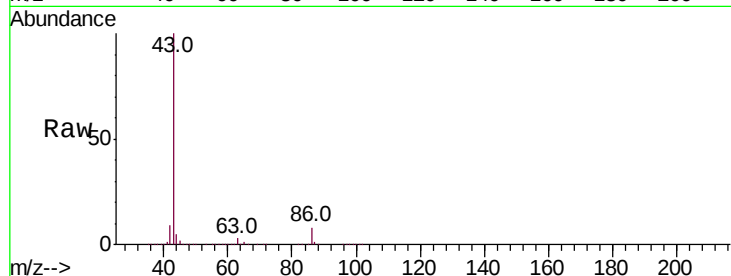
#23
 Vinyl Acetate
 Concen: 243.633 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1297656
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.5 9.7

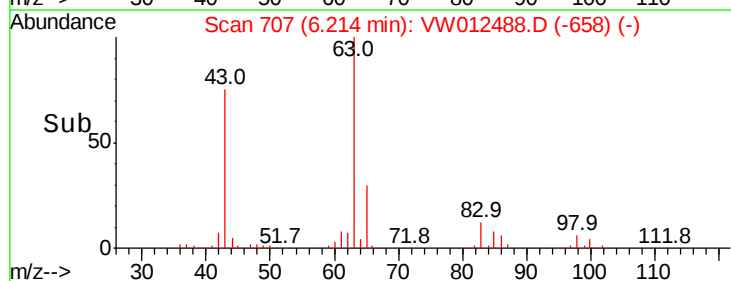
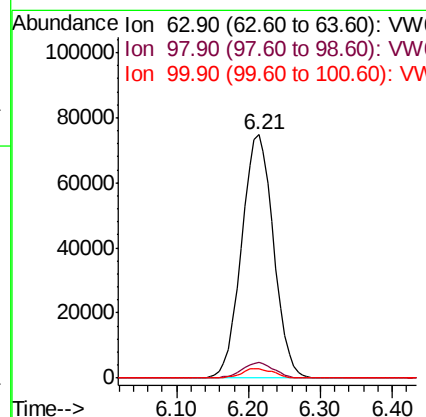
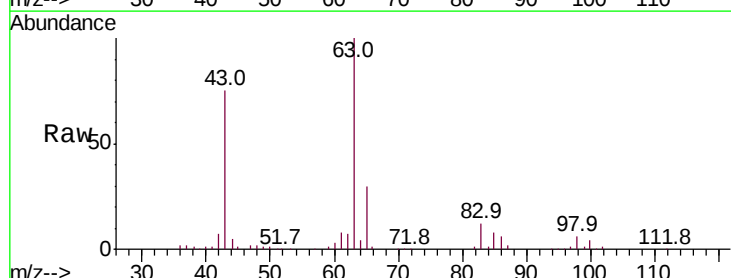
Manual Integrations
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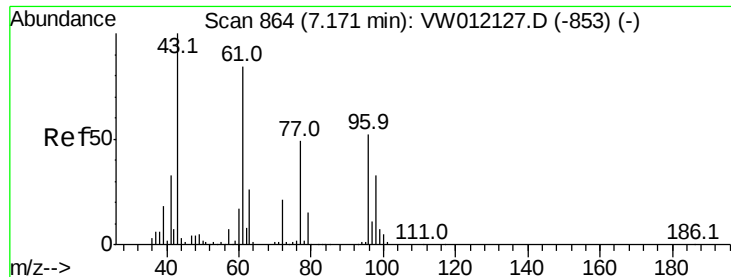
MMDadoda
 9/3/2019 10:56:08 AM



#24
 1,1-Dichloroethane
 Concen: 48.801 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion: 63 Resp: 229971
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.0 9.2
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 244.571 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 219897

Ion Ratio Lower Upper

43 100

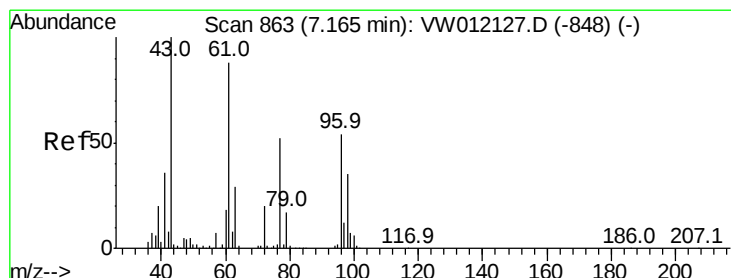
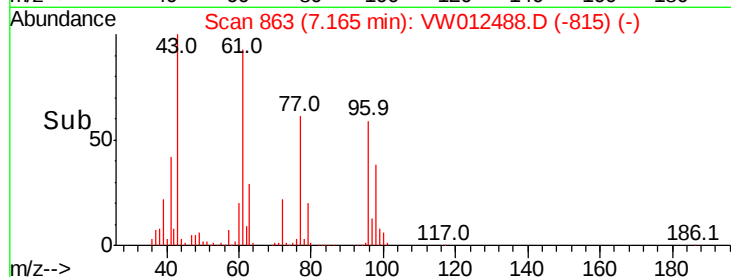
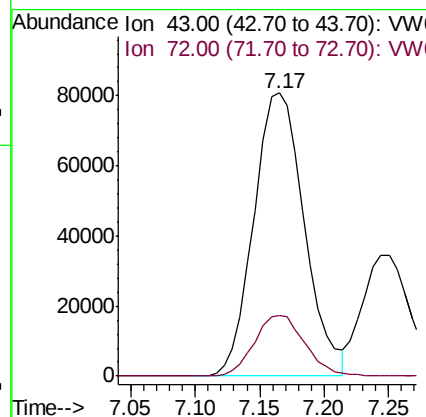
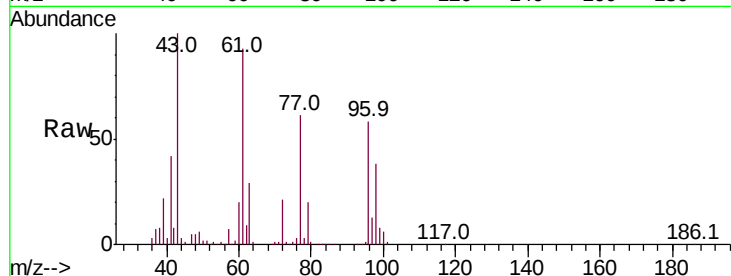
72 21.5 16.6 24.8

Manual Integrations

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9/3/2019 10:56:08 AM



#26

2,2-Dichloropropane

Concen: 53.769 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012488.D

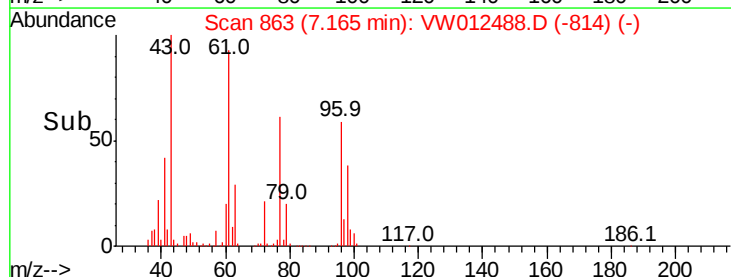
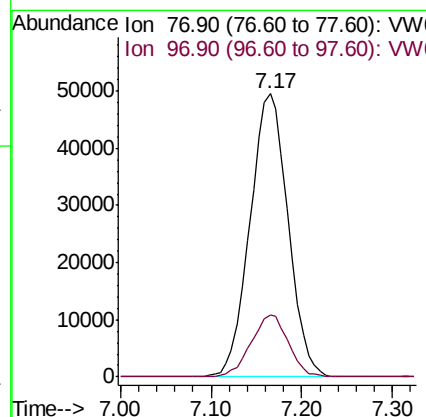
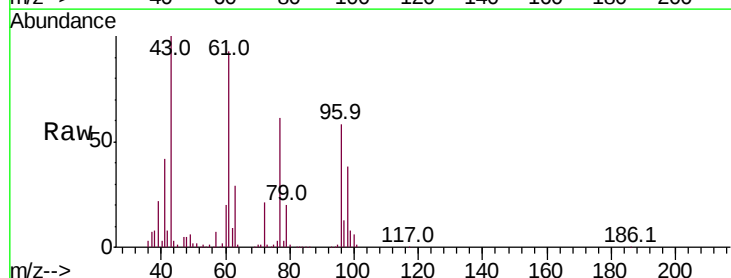
Acq: 02 Sep 2019 10:08

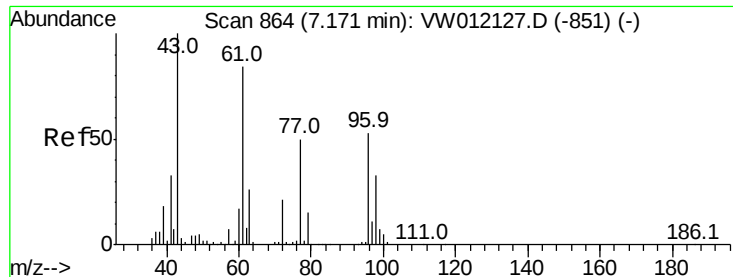
Tgt Ion: 77 Resp: 143415

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.1





#27

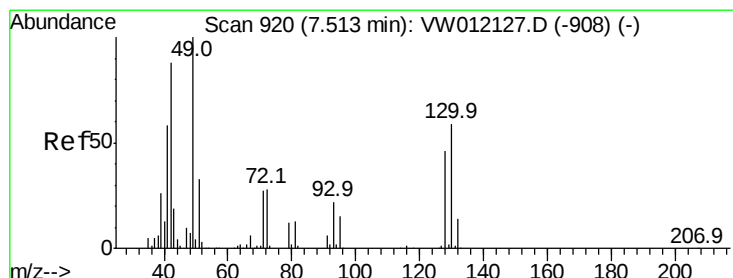
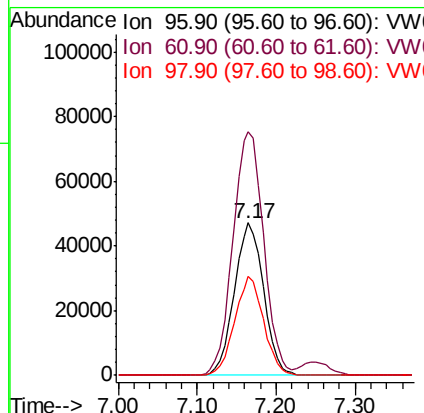
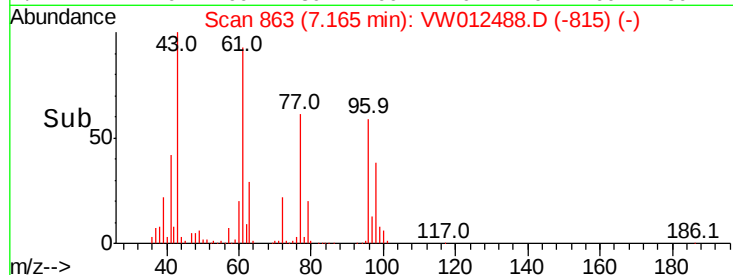
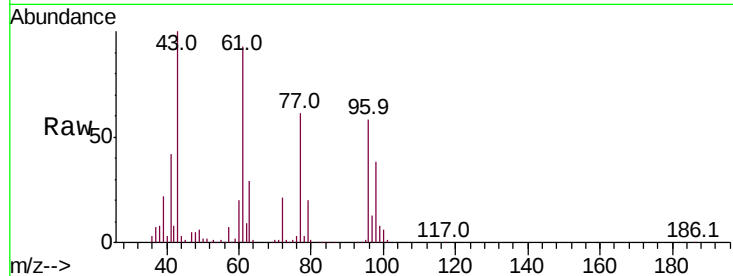
cis-1,2-Dichloroethene
Concen: 48.659 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	167.5	0.0	326.6	
98	63.9	0.0	127.4	

Manual Integrations
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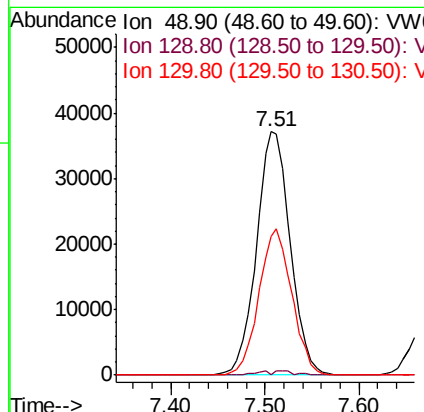
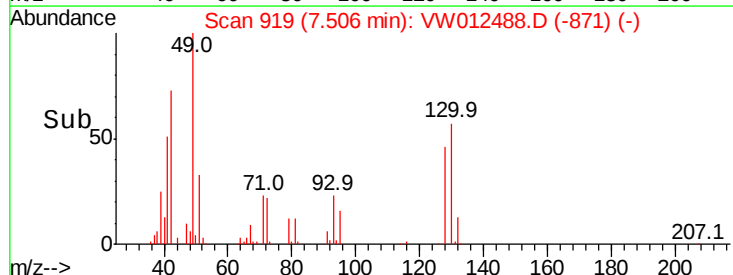
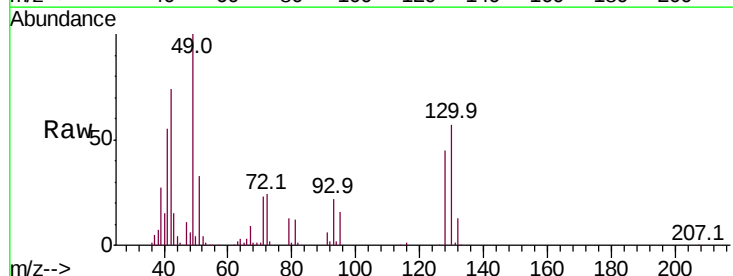
MMDadoda
9/3/2019 10:56:08 AM

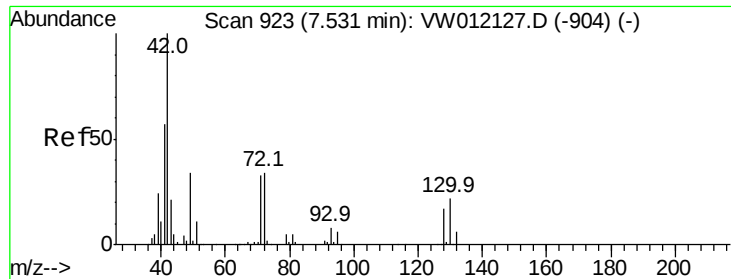


#28

Bromochloromethane
Concen: 45.505 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	1.4	
130	58.7	45.5	68.3	





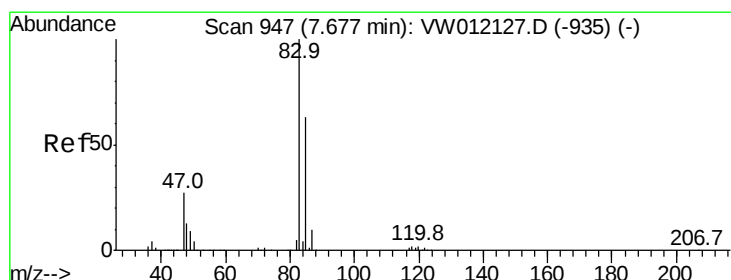
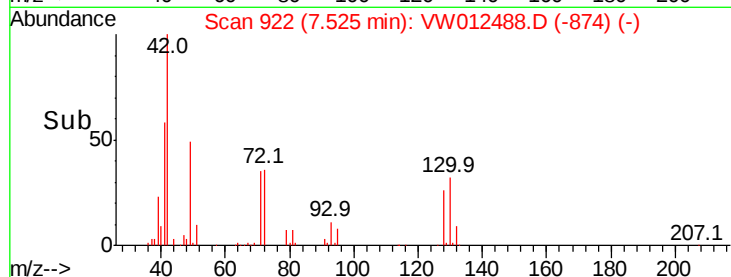
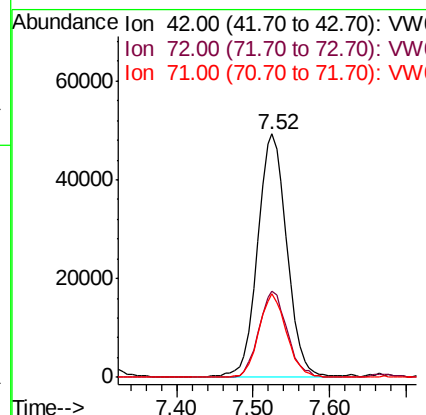
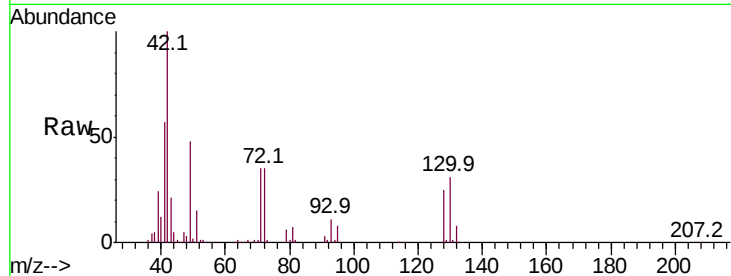
#29
Tetrahydrofuran
Concen: 244.805 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.3	40.9
71	32.4	25.5	38.3

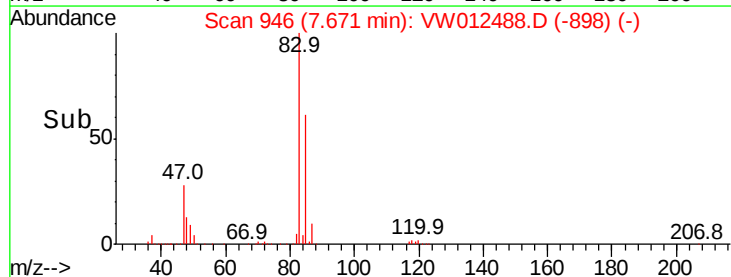
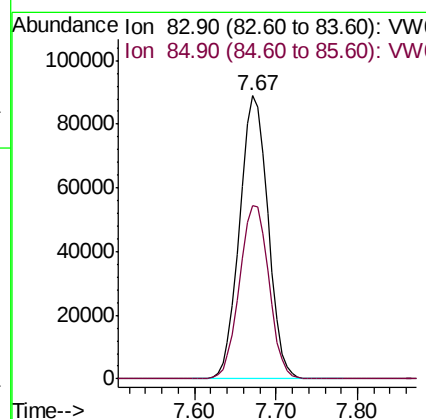
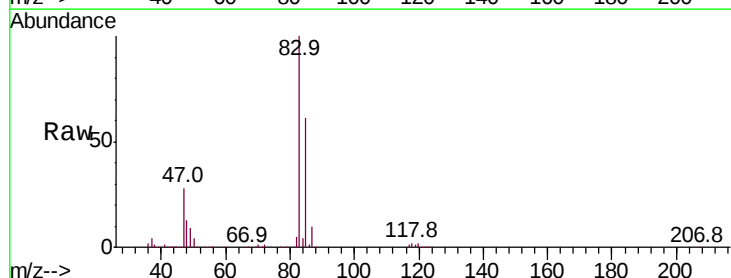
Manual Integrations
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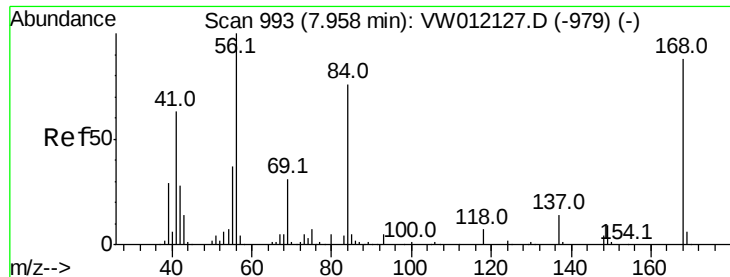
MMDadoda
9/3/2019 10:56:08 AM



#30
Chloroform
Concen: 49.776 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	50.6	76.0





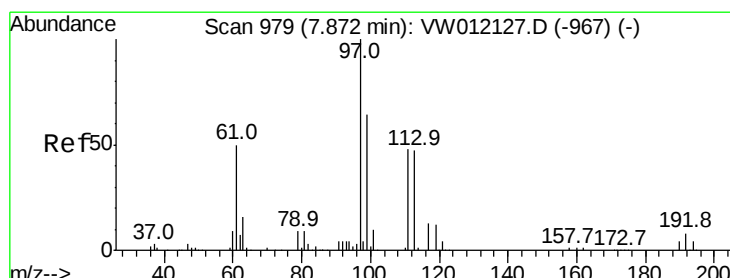
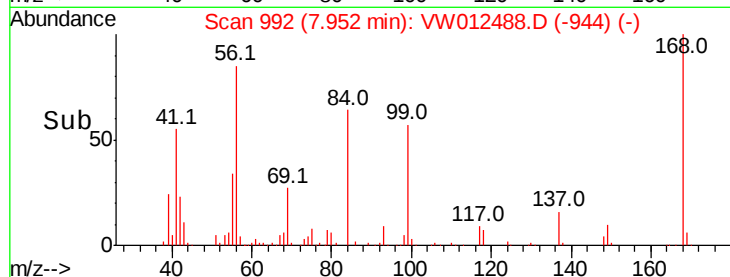
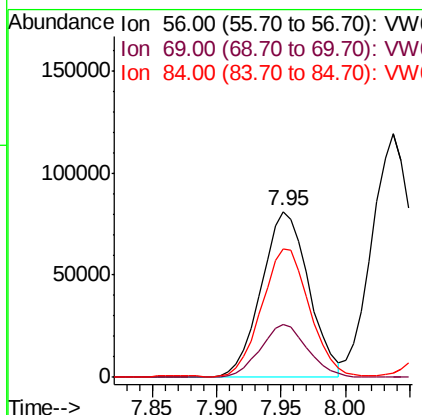
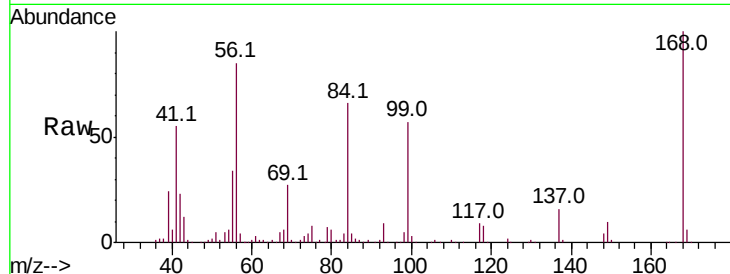
#31
Cyclohexane
Concen: 44.409 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	24.9	37.3
84	76.5	60.6	90.8

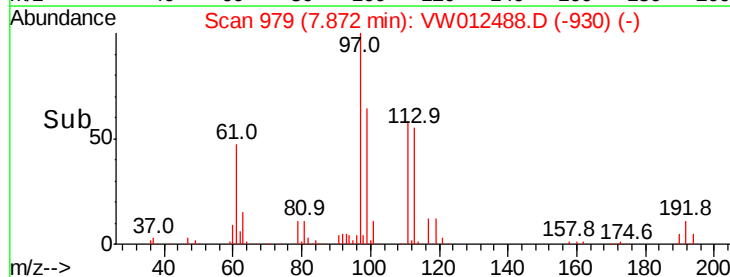
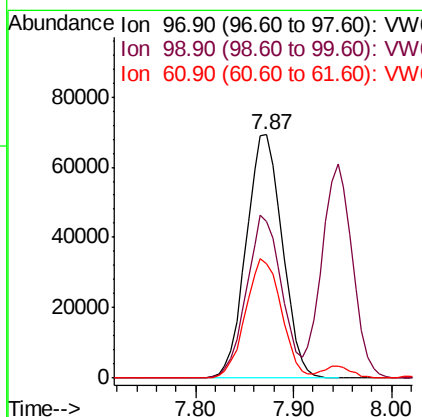
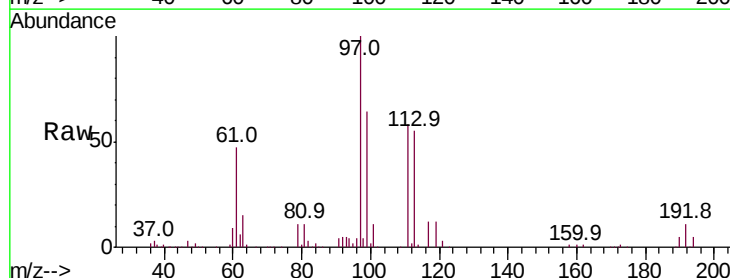
Manual Integrations
APPROVED

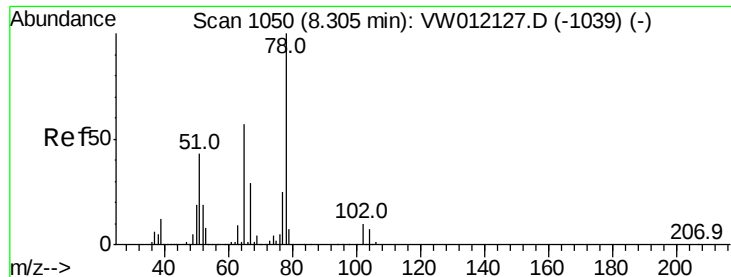
MMDadoda
9/3/2019 10:56:08 AM



#32
1,1,1-Trichloroethane
Concen: 52.021 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.4	77.0
61	48.8	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 53.149 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 137571

Ion Ratio Lower Upper

65 100

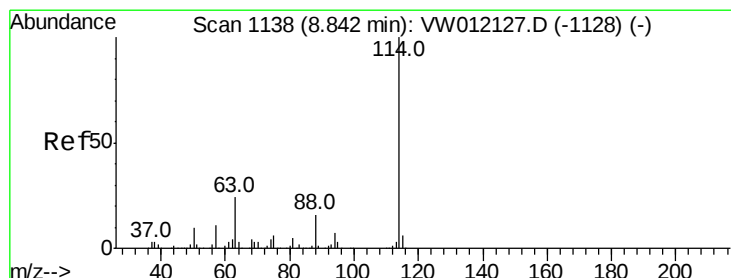
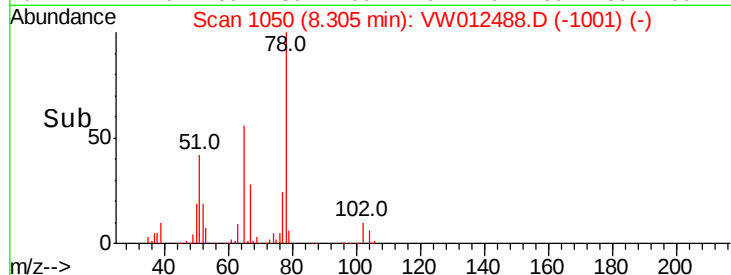
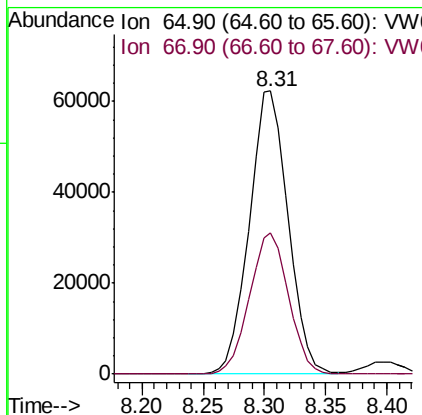
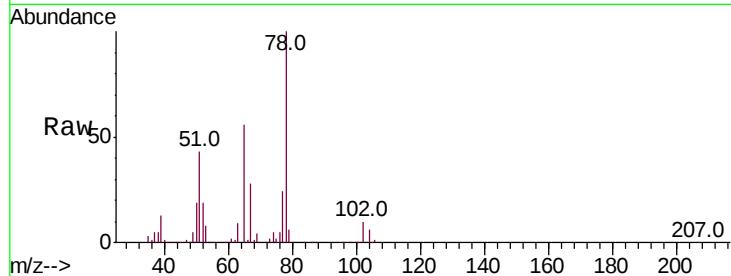
67 50.3 0.0 102.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

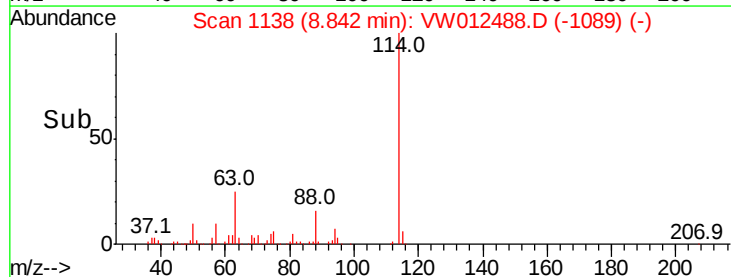
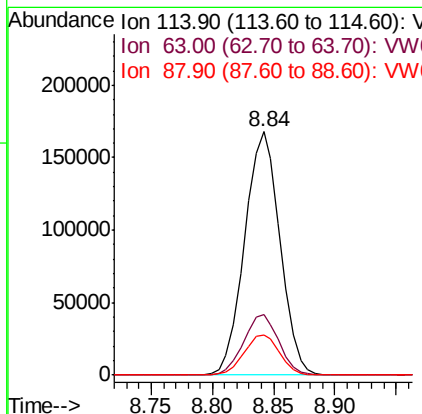
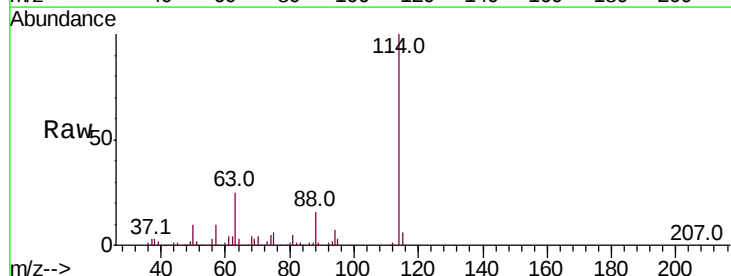
Tgt Ion: 114 Resp: 337055

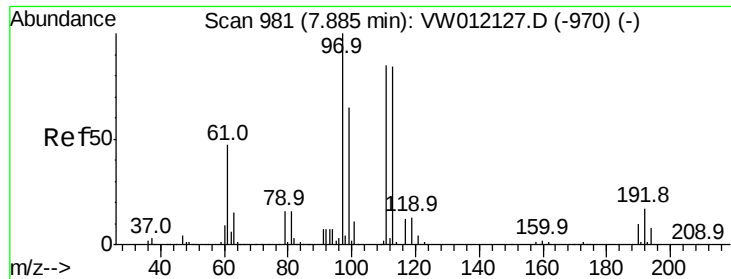
Ion Ratio Lower Upper

114 100

63 24.6 0.0 48.6

88 16.4 0.0 32.2





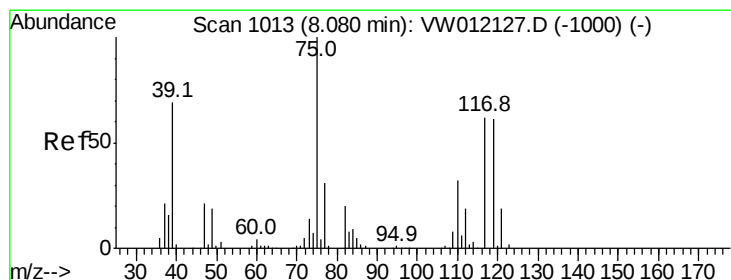
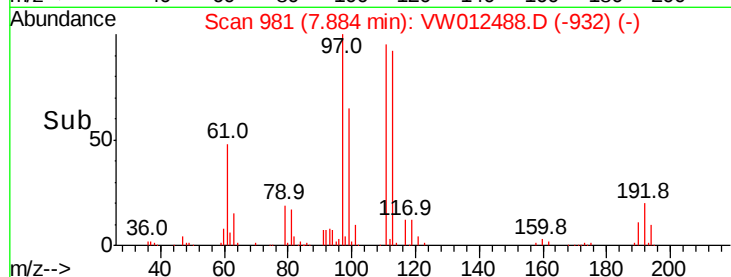
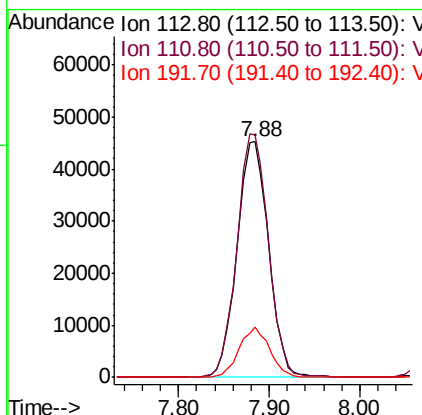
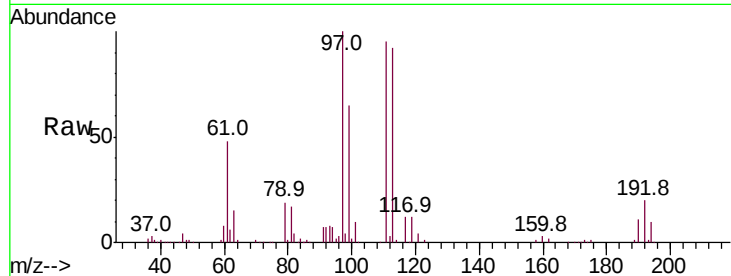
#35
 Dibromofluoromethane
 Concen: 54.435 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109517		
111	102.7	82.7	124.1	
192	20.4	16.2	24.2	

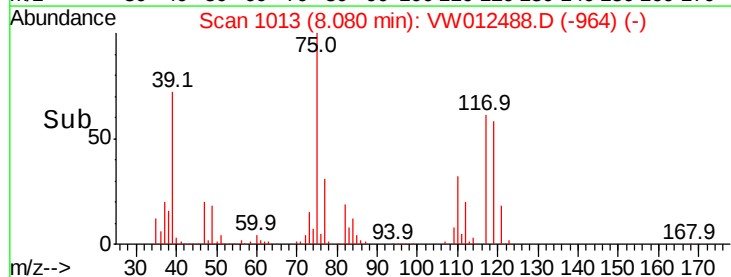
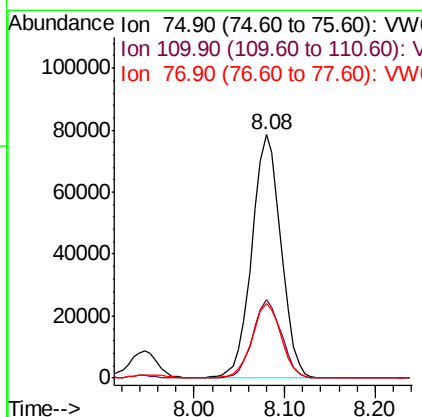
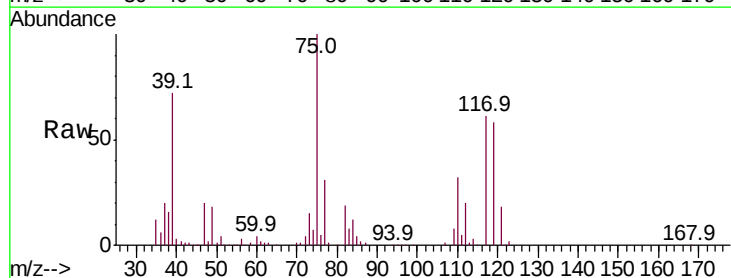
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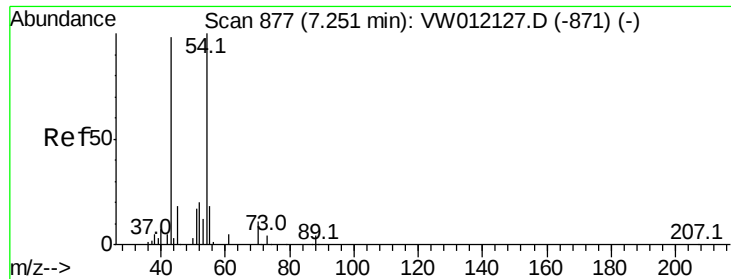
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 9/3/2019 10:56:08 AM



#36
 1,1-Dichloropropene
 Concen: 50.154 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	174691		
110	31.4	15.6	46.8	
77	30.9	24.6	36.8	





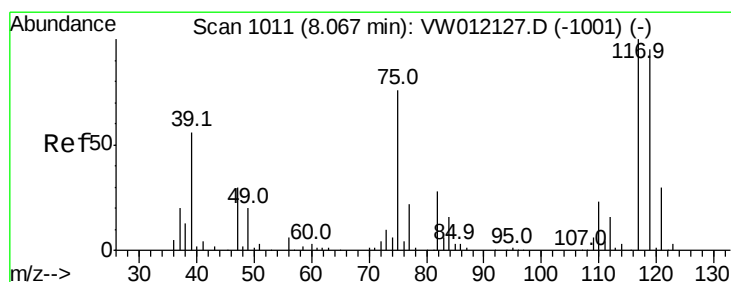
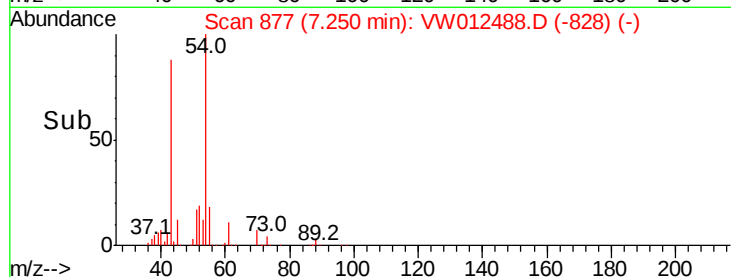
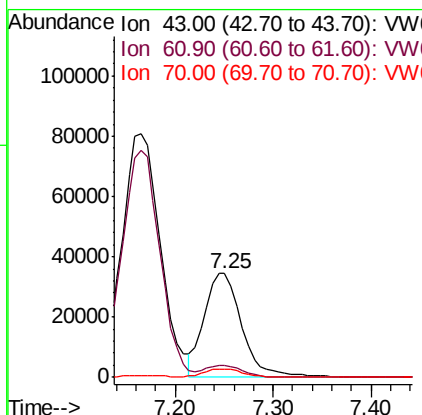
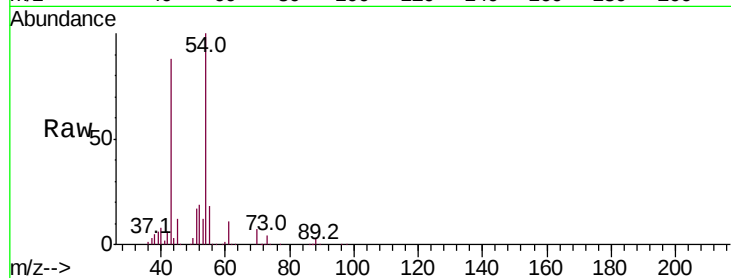
#37
Ethyl Acetate
Concen: 47.587 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.6	9.2	13.8
70	8.3	6.9	10.3

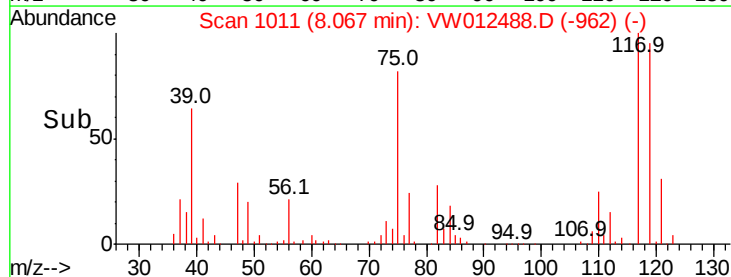
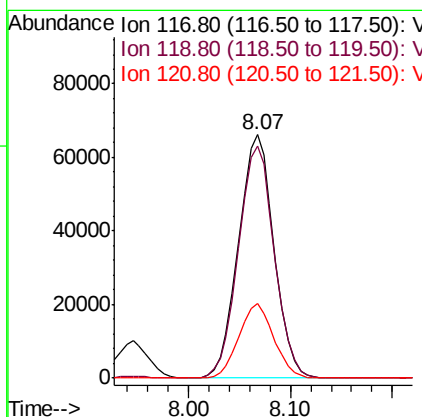
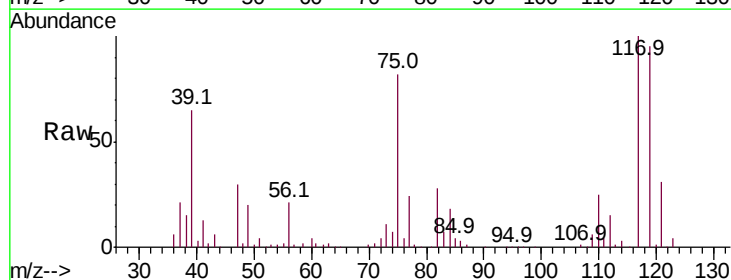
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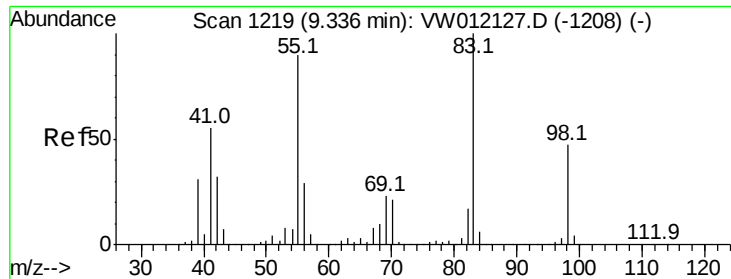
MMDadoda
9/3/2019 10:56:08 AM



#38
Carbon Tetrachloride
Concen: 52.942 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.2	114.2
121	30.6	23.8	35.8





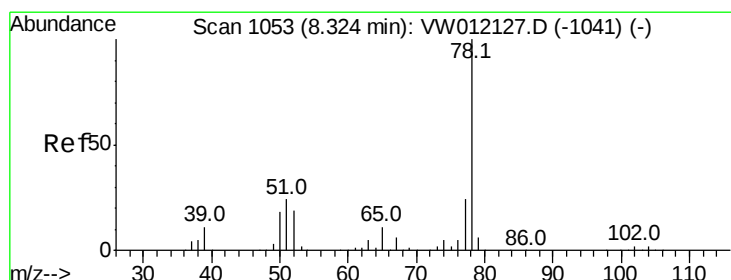
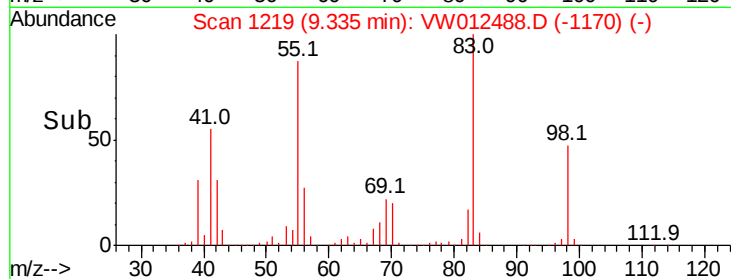
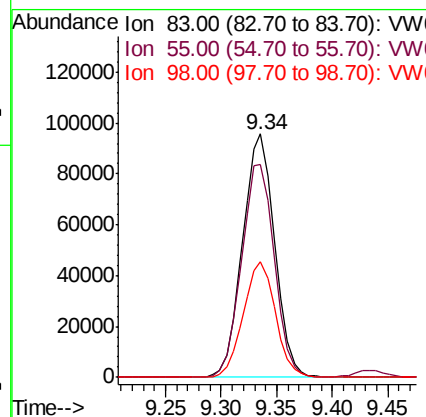
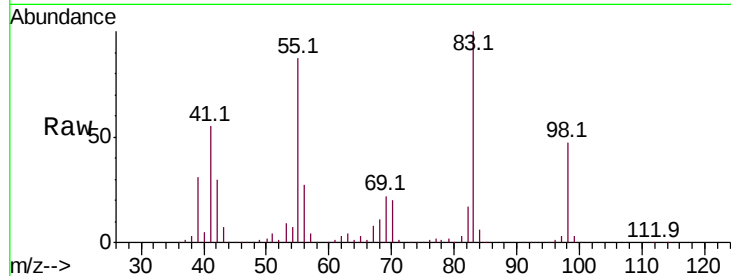
#39
Methvlcvclohexane
Concen: 48.930 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	191460
Ion Ratio	100	Lower	Upper
83	100		
55	87.3	71.8	107.8
98	47.3	37.8	56.8

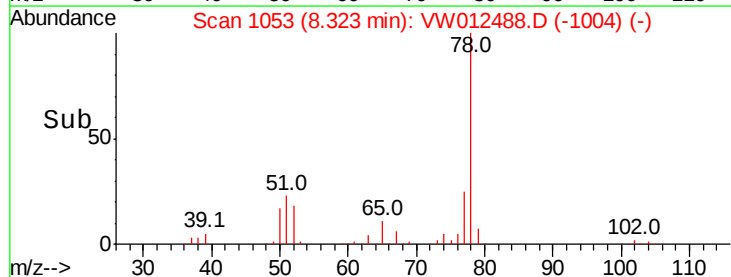
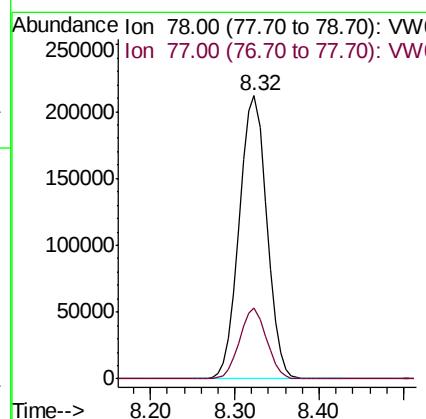
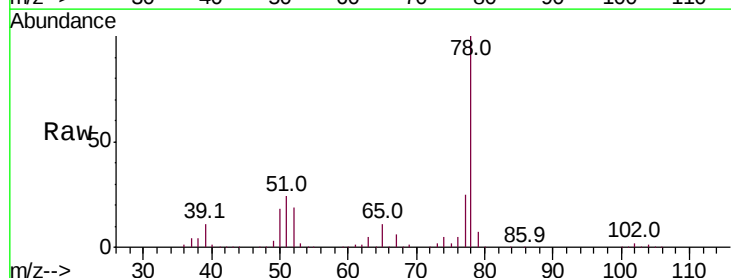
Manual Integrations
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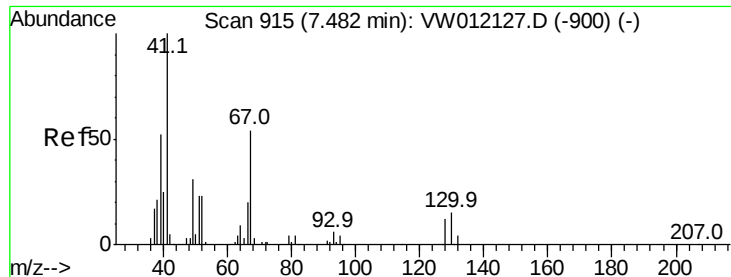
MMDadoda
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#40
Benzene
Concen: 49.229 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	78	Resp	468203
Ion Ratio	100	Lower	Upper
78	100		
77	24.9	19.5	29.3





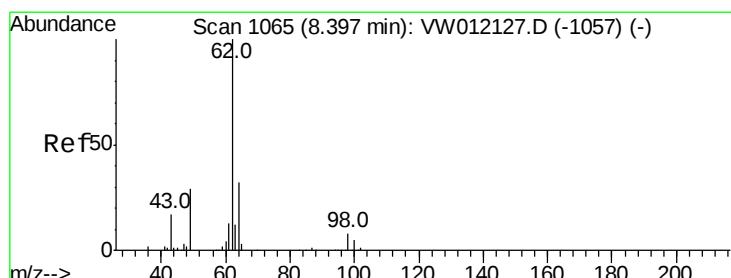
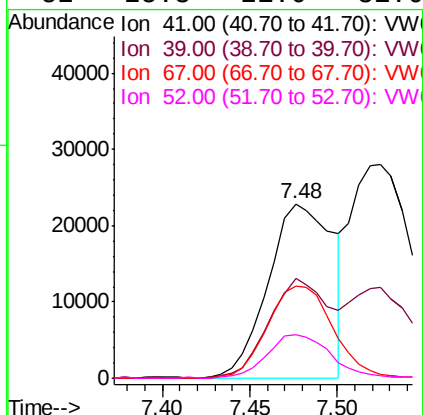
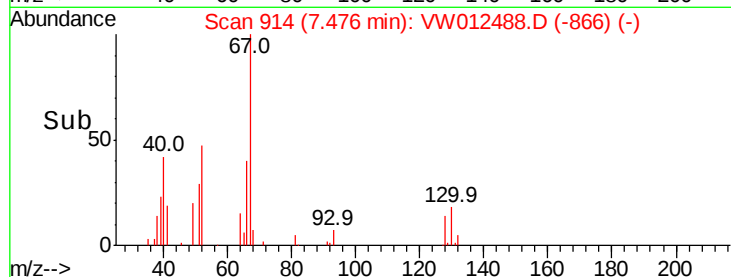
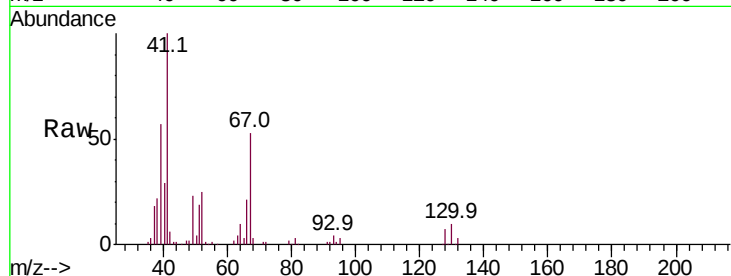
#41
Methacrylonitrile
Concen: 52.482 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.1	45.8	68.8
67	54.5	46.2	69.4
52	25.3	21.0	31.6

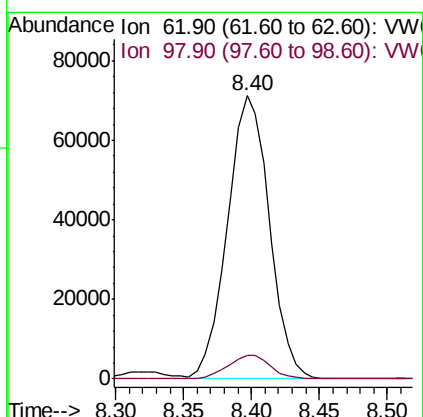
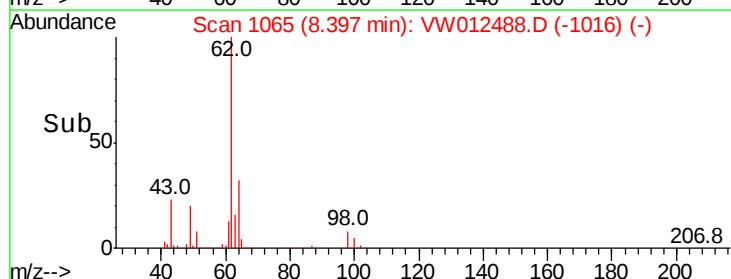
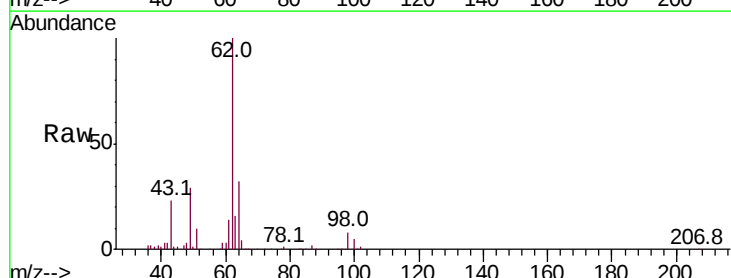
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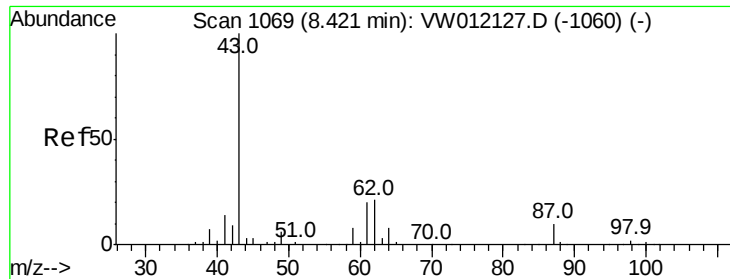
MMDadoda
9/3/2019 10:56:08 AM



#42
1,2-Dichloroethane
Concen: 51.105 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 49.080 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

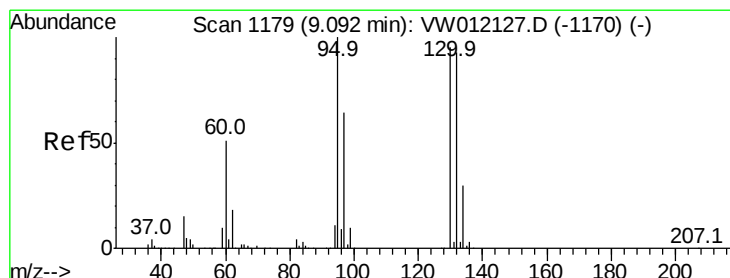
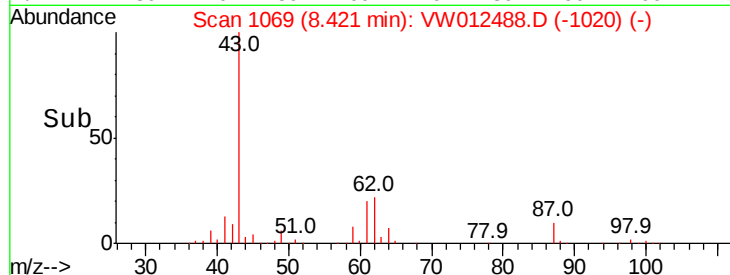
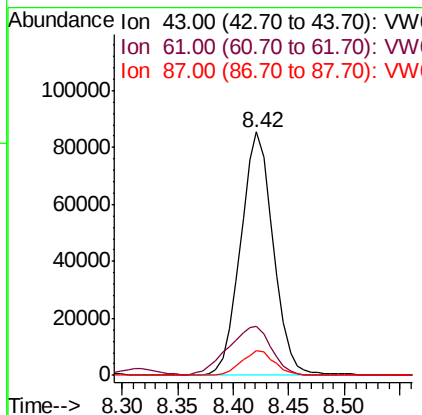
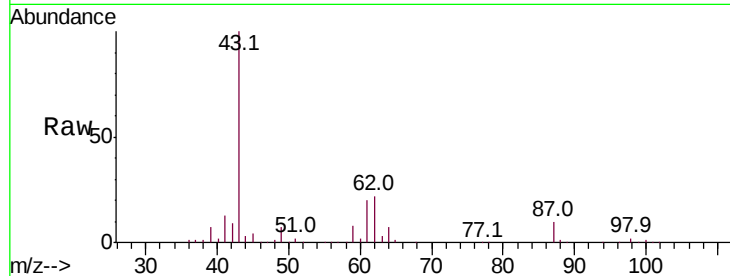
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	173520
Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.1	31.7
87	10.3	8.2	12.2

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#44

Trichloroethene

Concen: 50.190 ug/l

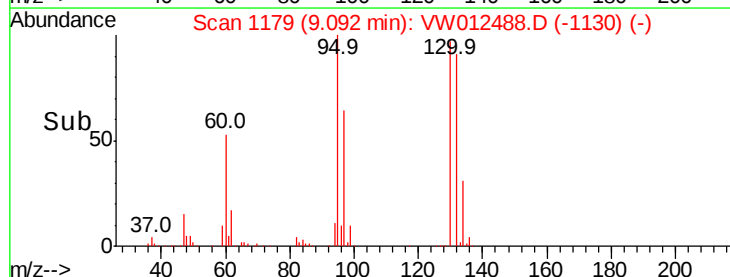
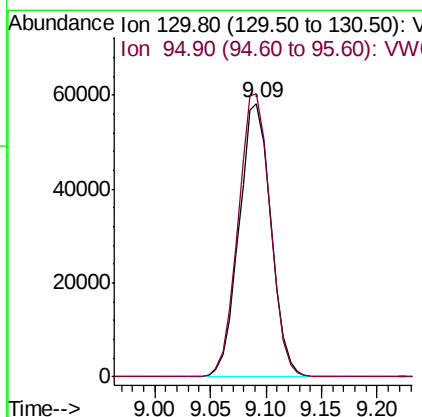
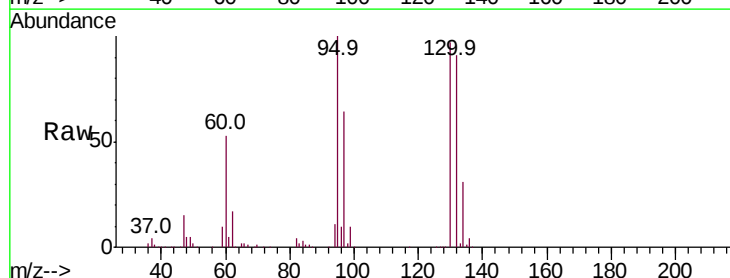
RT: 9.09 min Scan# 1179

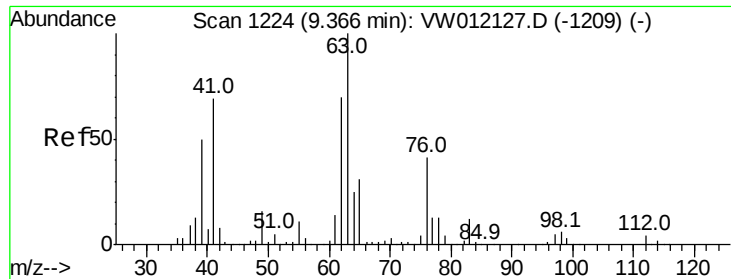
Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Tgt Ion:	130	Resp:	116040
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	210.6





#45

1,2-Dichloropropane

Concen: 48.423 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 123945

Ion Ratio Lower Upper

63 100

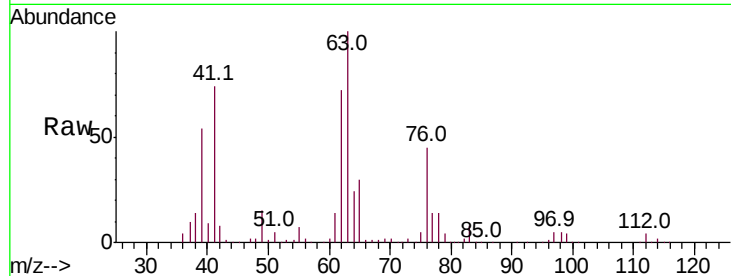
65 30.4 25.0 37.4

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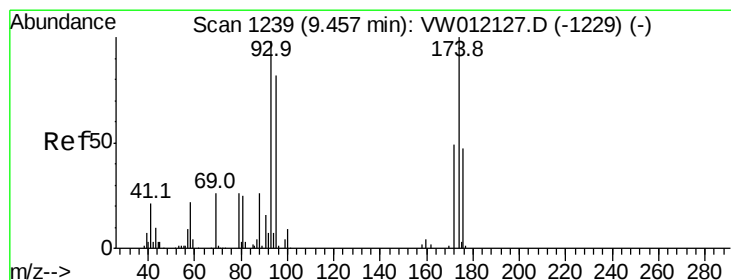
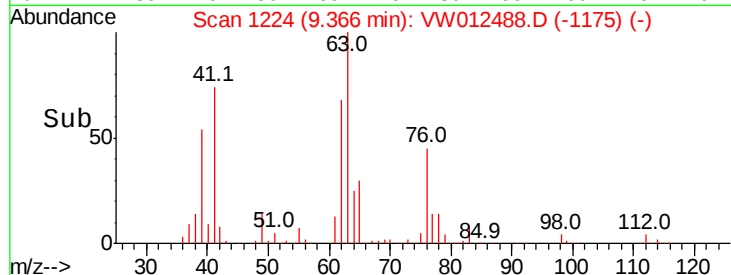
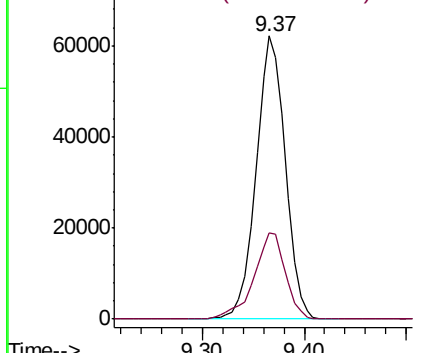
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 48.990 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

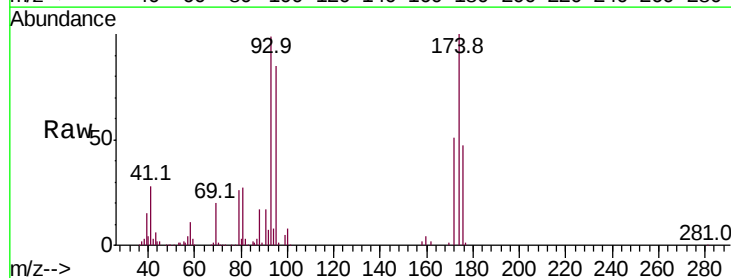
Tgt Ion: 93 Resp: 55793

Ion Ratio Lower Upper

93 100

95 83.3 67.2 100.8

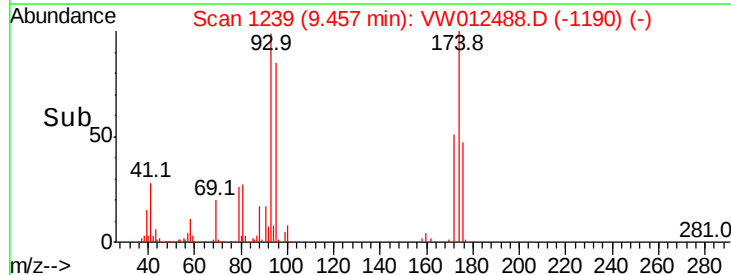
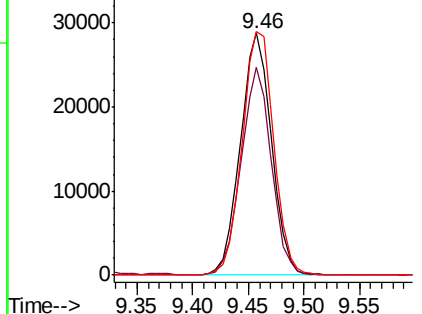
174 102.4 79.0 118.6

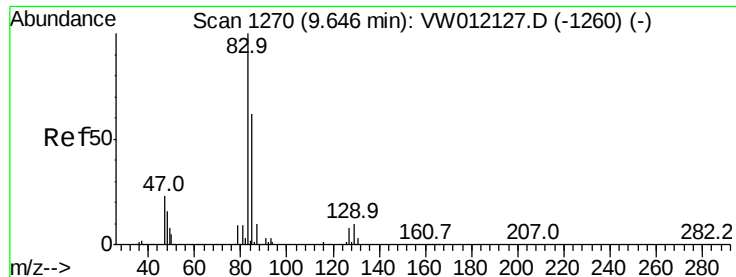


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.342 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

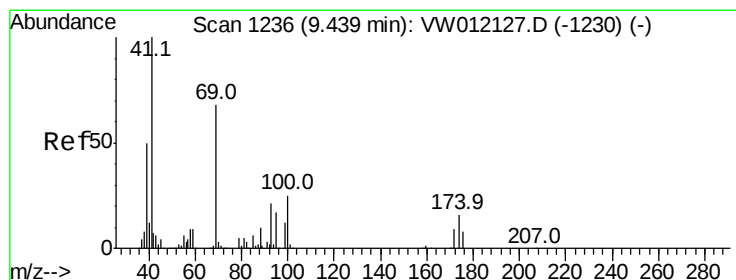
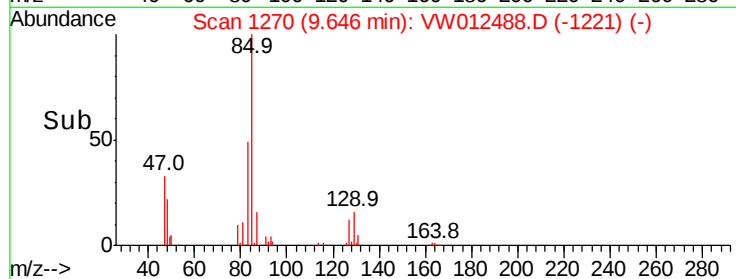
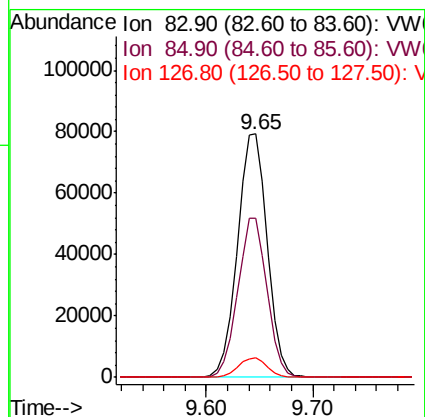
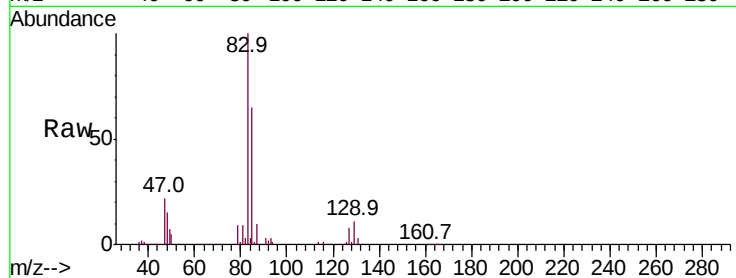
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	155618
Ion Ratio	Lower	Upper	
83	100		
85	65.4	49.4	74.2
127	8.0	6.1	9.1

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#48

Methyl methacrylate

Concen: 49.240 ug/l

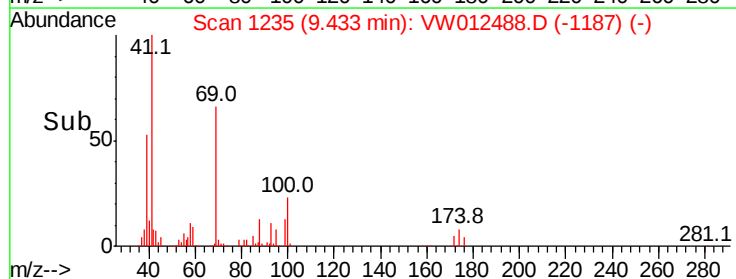
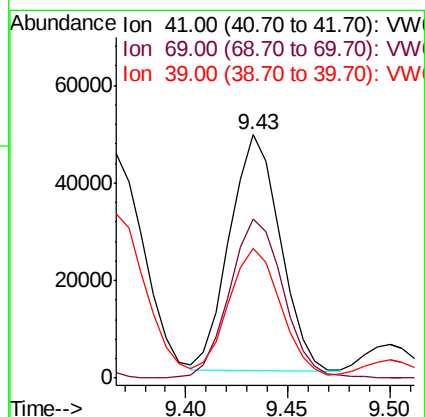
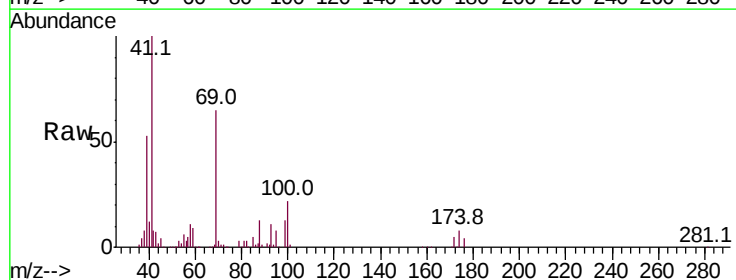
RT: 9.43 min Scan# 1235

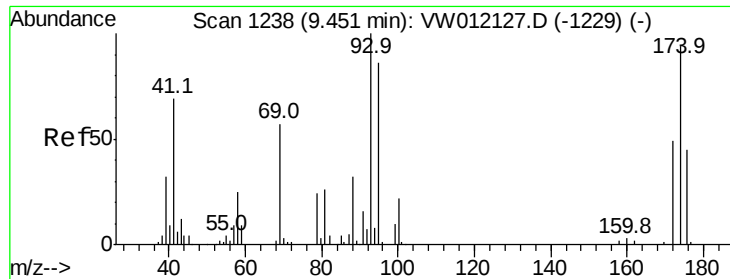
Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Tgt Ion:	41	Resp:	82857
Ion Ratio	Lower	Upper	
41	100		
69	72.0	56.7	85.1
39	54.6	42.0	63.0





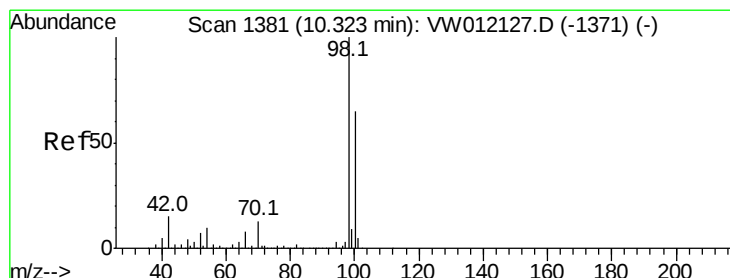
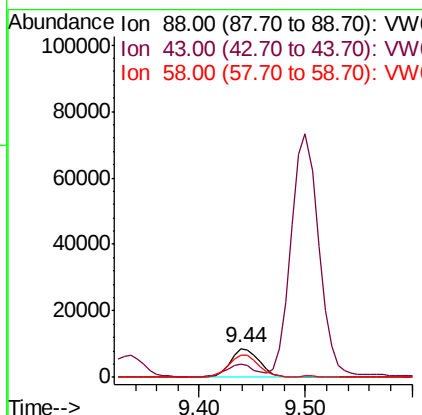
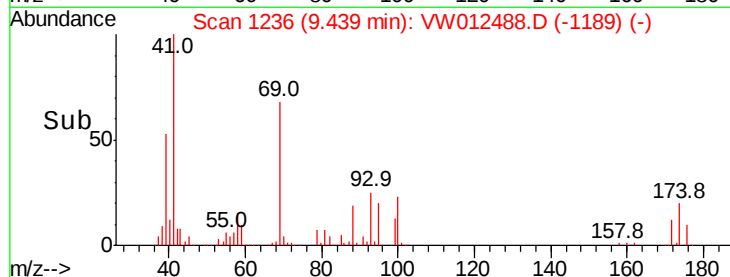
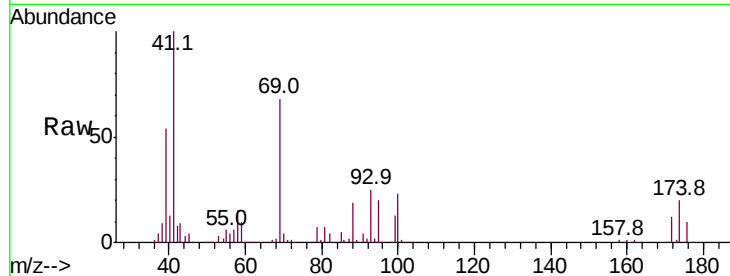
#49
1,4-Dioxane
Concen: 967.386 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.6	32.9	49.3
58	81.3	71.0	106.4

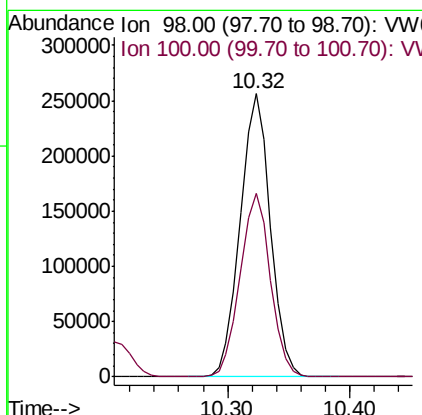
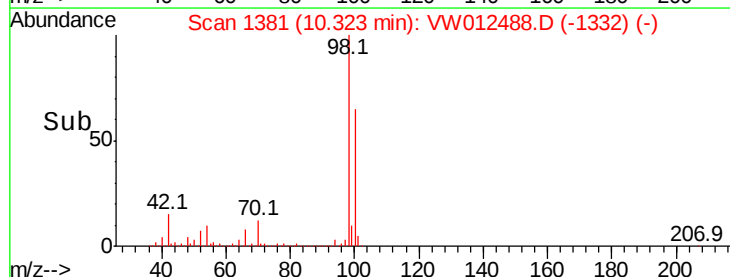
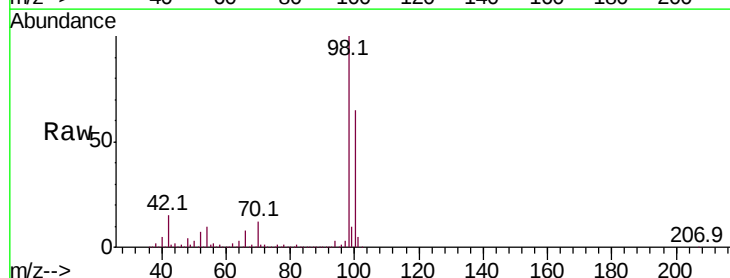
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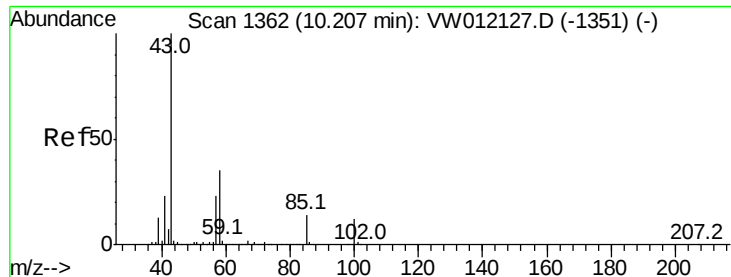
MMDadoda
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#50
Toluene-d8
Concen: 53.701 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 245.917 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 442219

Ion Ratio Lower Upper

43 100

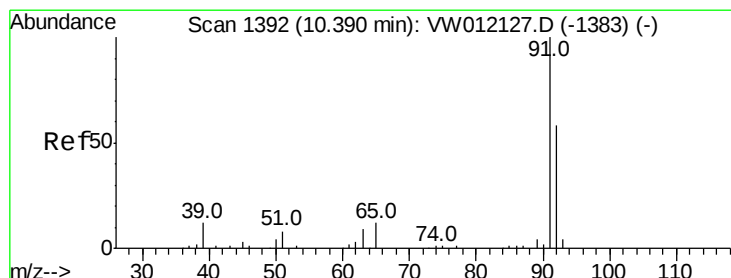
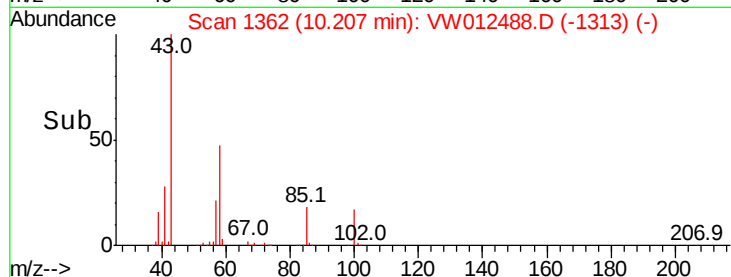
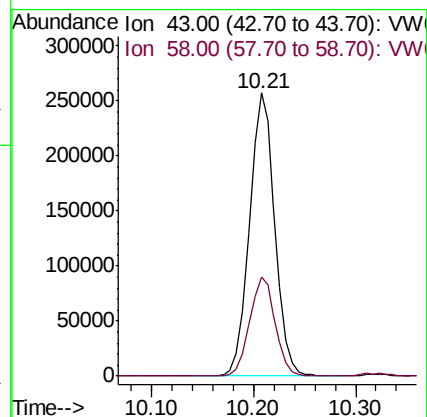
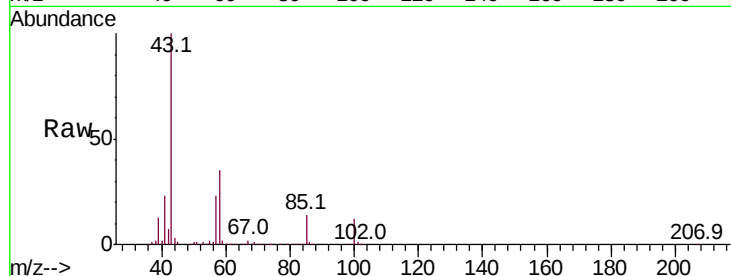
58 35.5 28.2 42.2

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#52

Toluene

Concen: 49.801 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012488.D

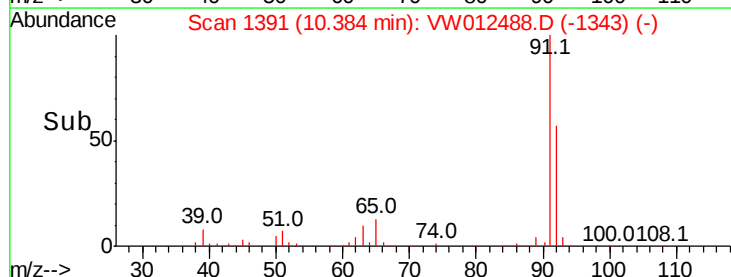
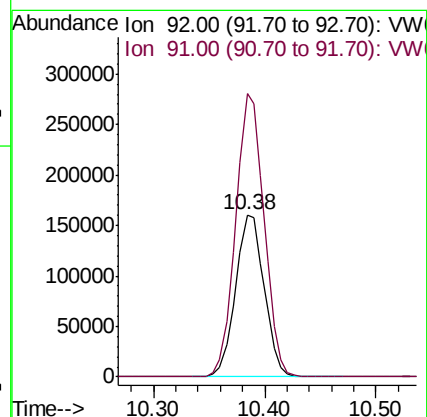
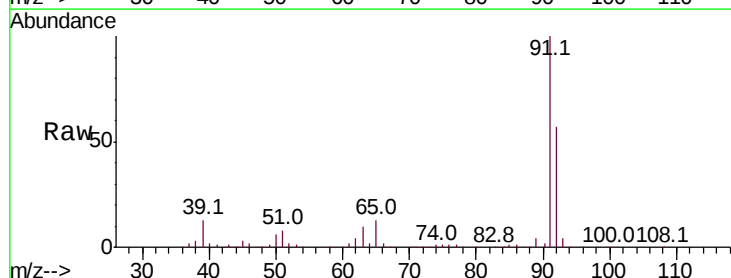
Acq: 02 Sep 2019 10:08

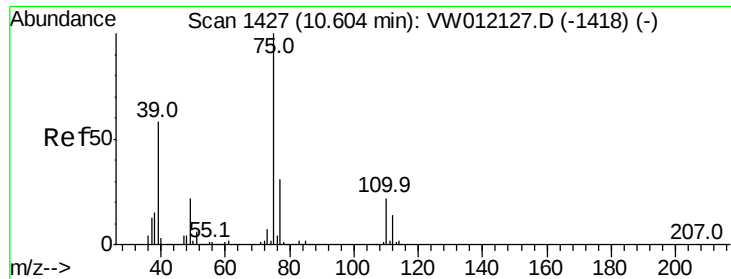
Tgt Ion: 92 Resp: 284539

Ion Ratio Lower Upper

92 100

91 173.6 136.6 204.8





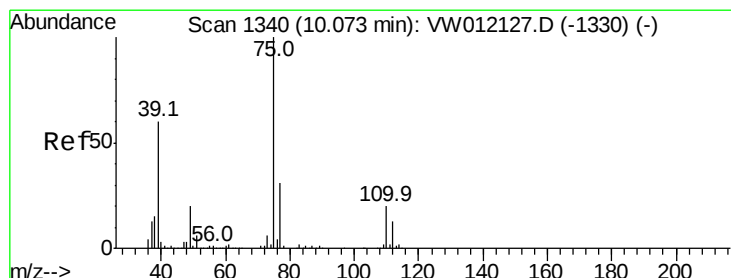
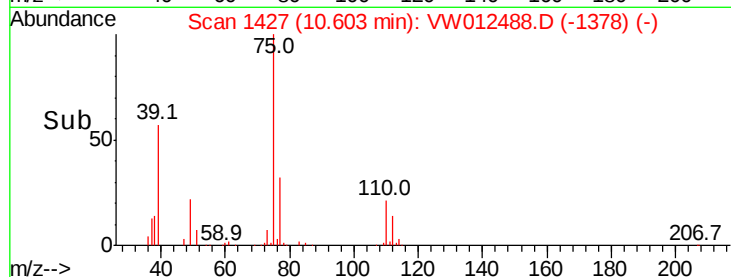
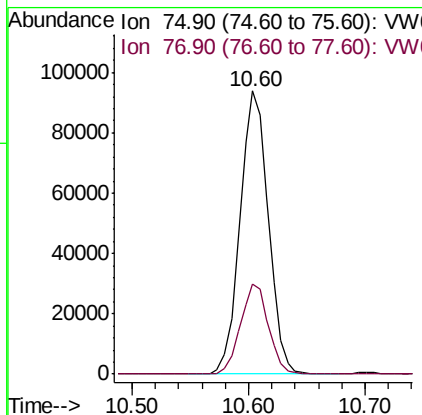
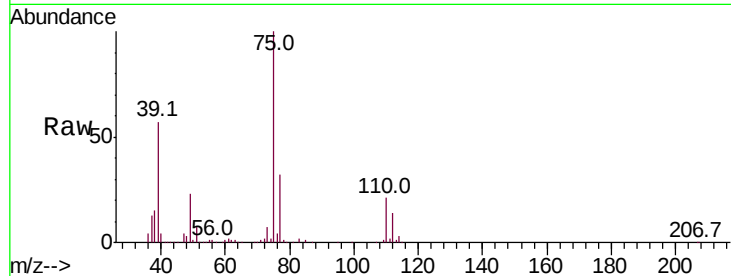
#53
 t-1,3-Dichloropropene
 Concen: 51.632 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion: 75 Resp: 159411
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.4

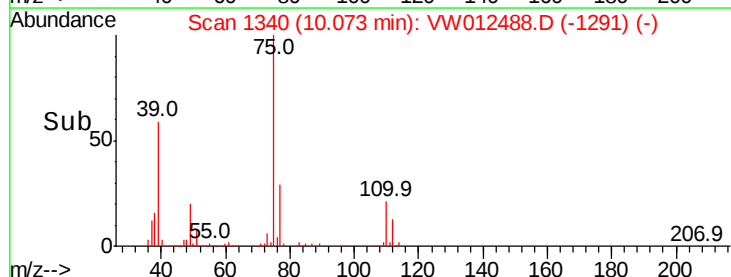
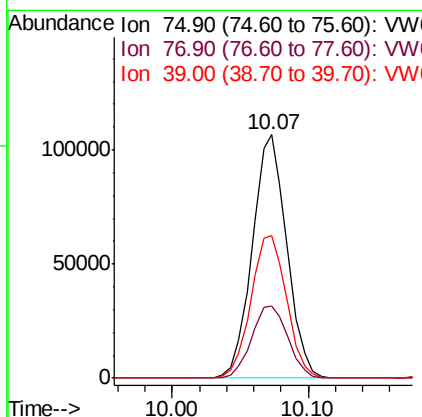
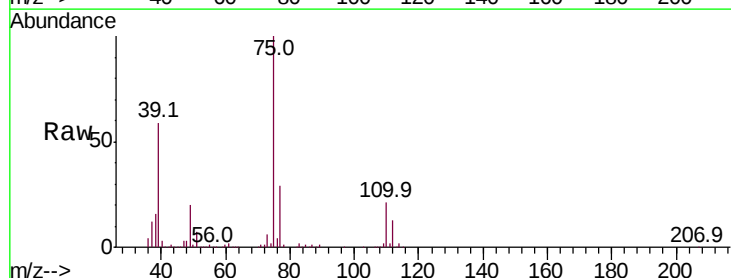
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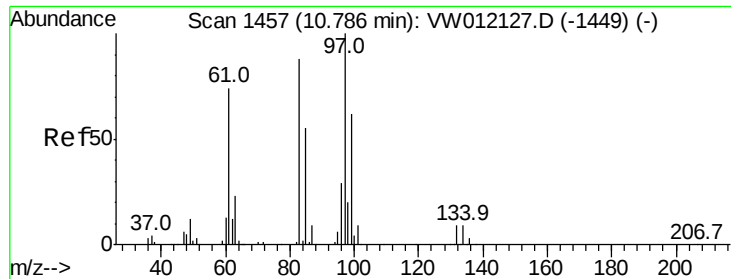
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#54
 cis-1,3-Dichloropropene
 Concen: 50.676 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion: 75 Resp: 188915
 Ion Ratio Lower Upper
 75 100
 77 29.4 25.1 37.7
 39 58.6 48.3 72.5





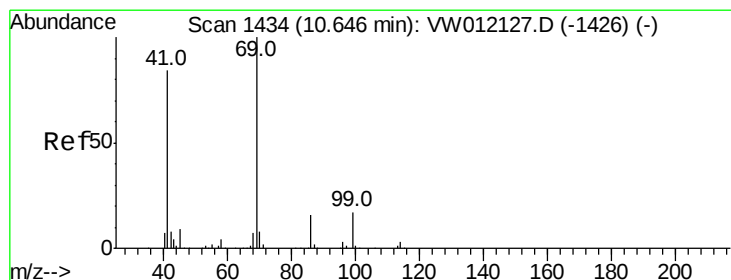
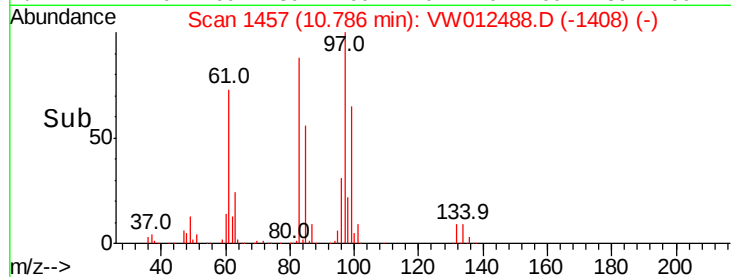
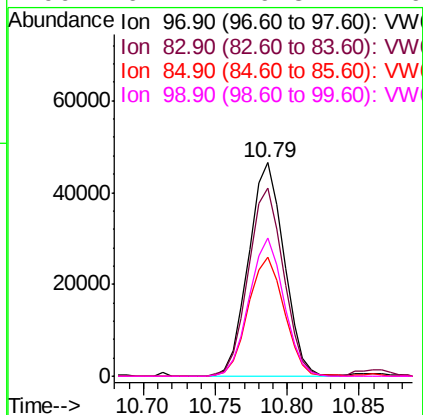
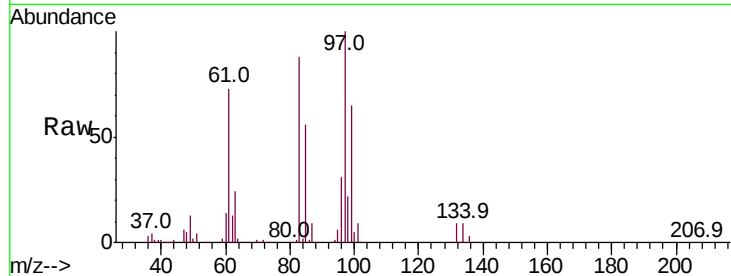
#55
 1,1,2-Trichloroethane
 Concen: 49.181 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	79247
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.8	106.2
85	56.0	43.8	65.8
99	64.7	49.8	74.6

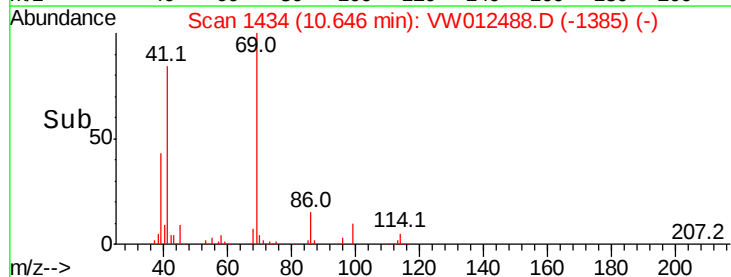
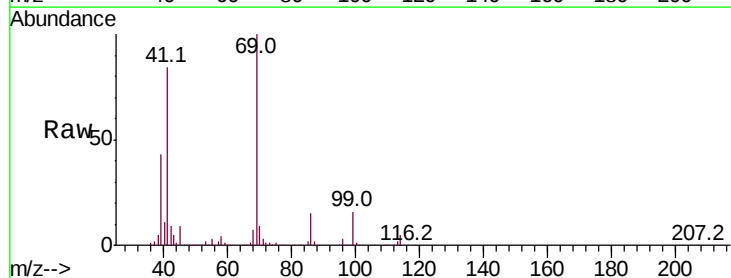
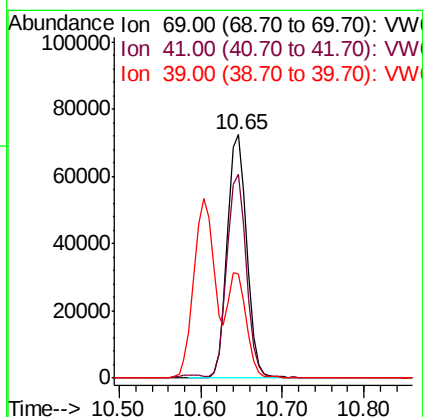
Manual Integrations
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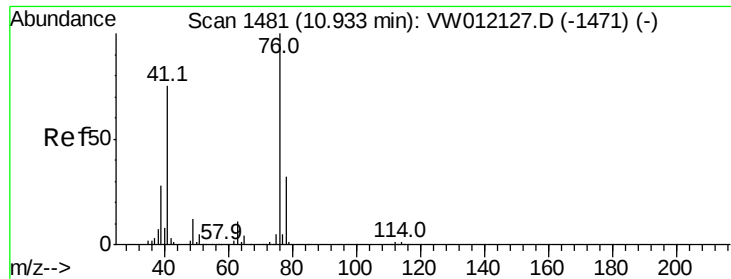
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#56
 Ethyl methacrylate
 Concen: 50.801 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion:	69	Resp:	119137
Ion	Ratio	Lower	Upper
69	100		
41	82.8	66.5	99.7
39	39.3	31.0	46.4





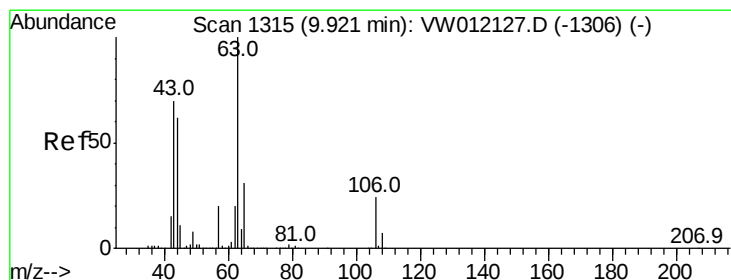
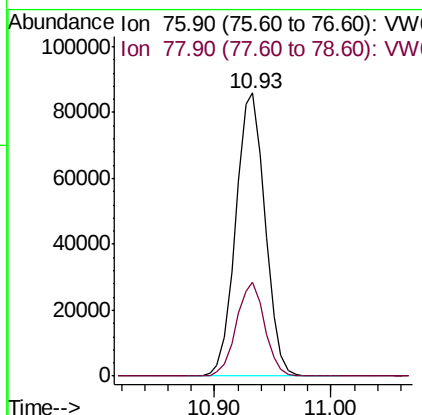
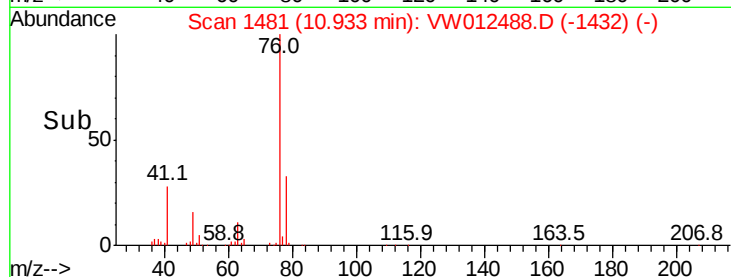
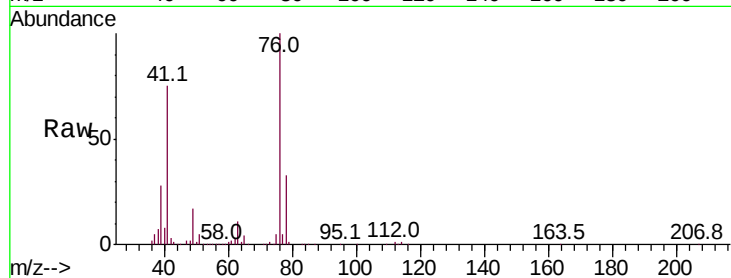
#57
 1,3-Dichloropropane
 Concen: 49.427 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 150504
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

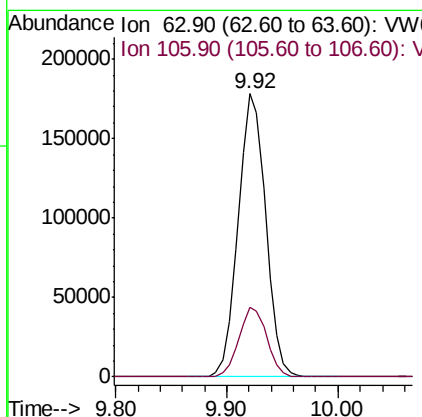
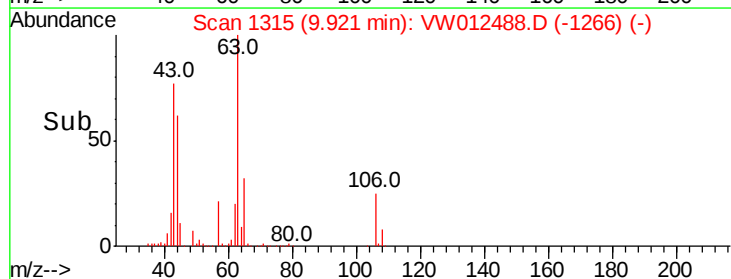
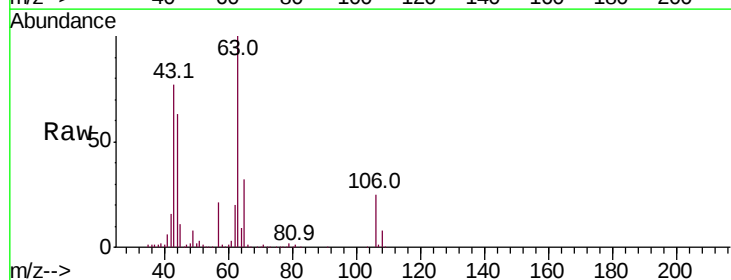
Manual Integrations
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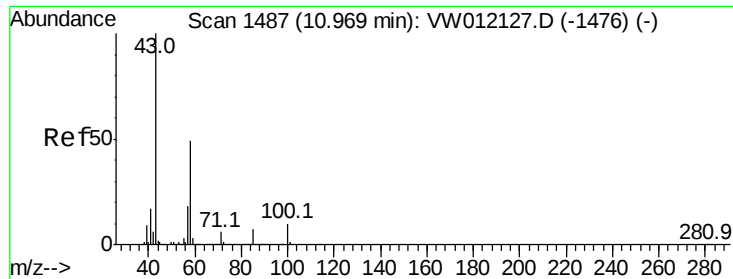
MMDadoda
 9/3/2019 10:56:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.553 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion: 63 Resp: 305173
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.8 29.8





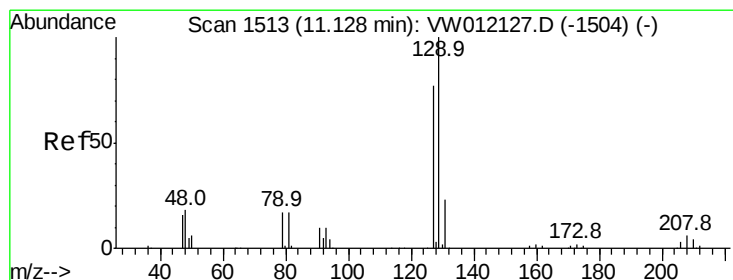
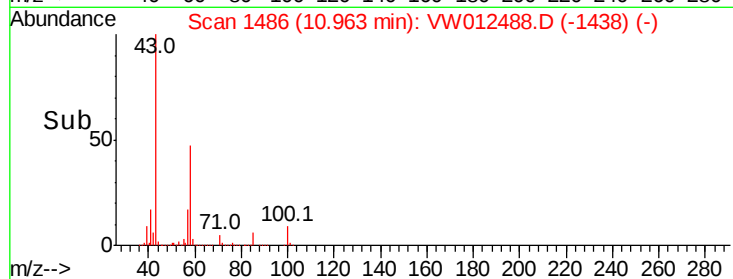
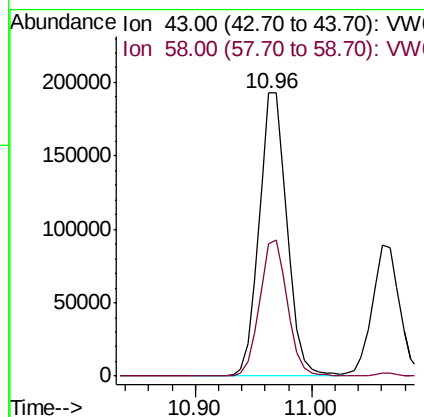
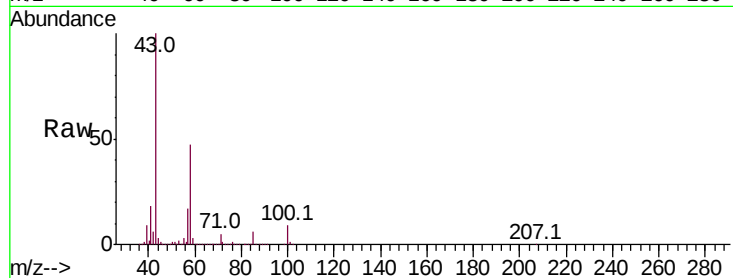
#59
2-Hexanone
Concen: 253.795 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 322922
Ion Ratio Lower Upper
43 100
58 47.9 24.3 72.9

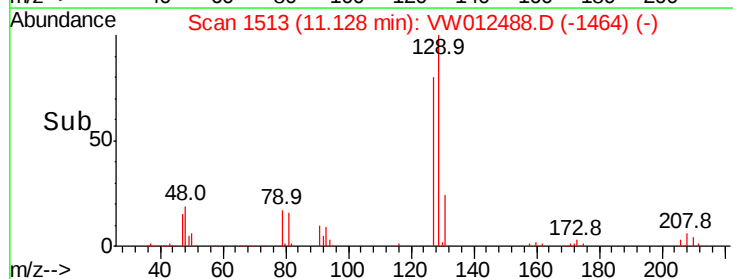
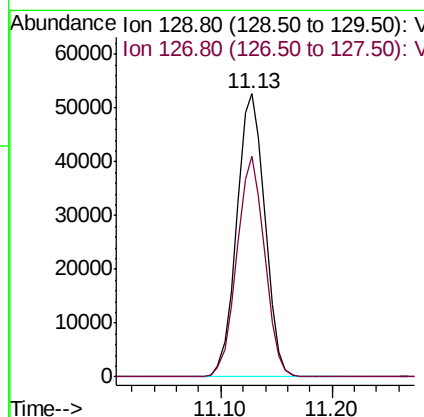
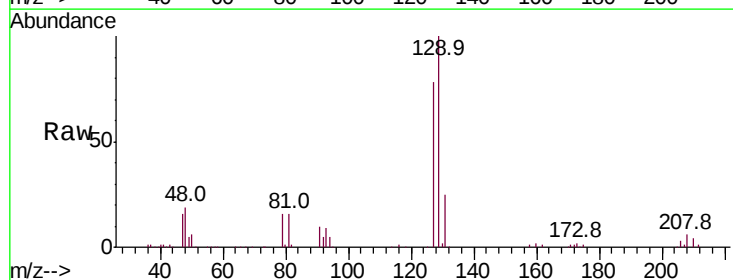
Manual Integrations
APPROVED

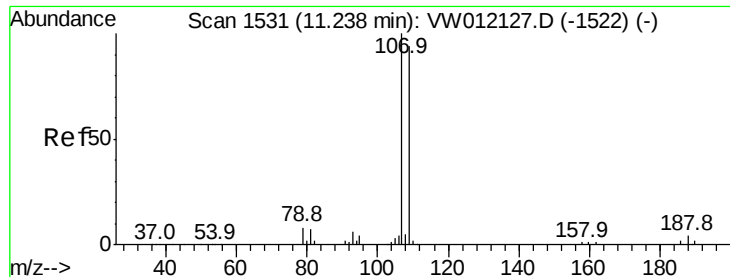
MMDadoda
9/3/2019 10:56:08 AM



#60
Dibromochloromethane
Concen: 51.230 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion: 129 Resp: 91946
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





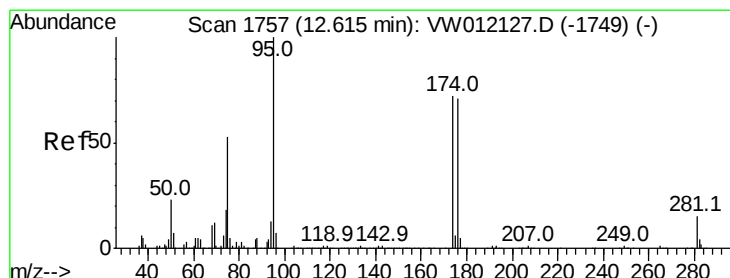
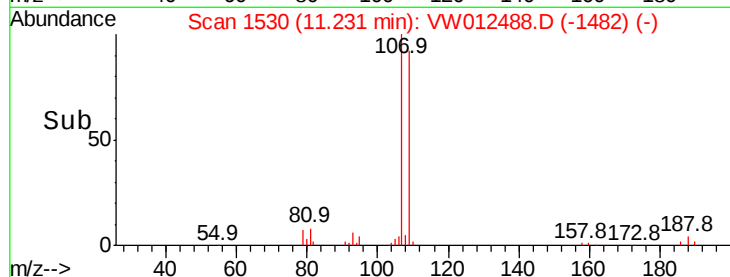
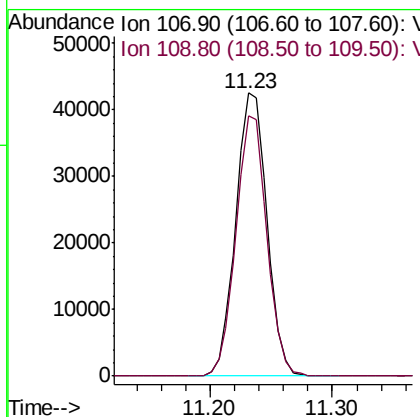
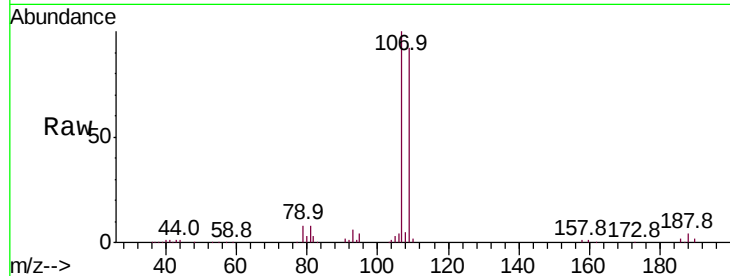
#61
 1,2-Dibromoethane
 Concen: 50.200 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 75359
 Ion Ratio Lower Upper
 107 100
 109 90.7 75.4 113.2

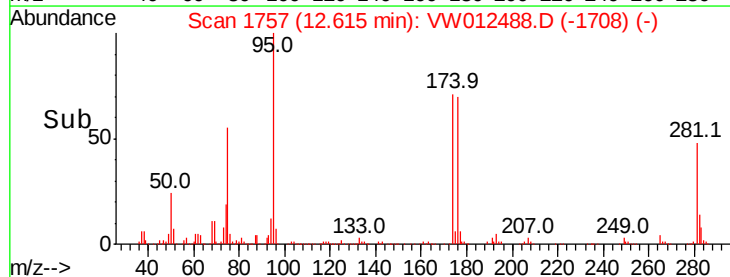
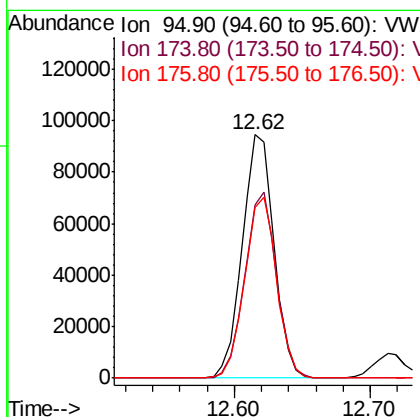
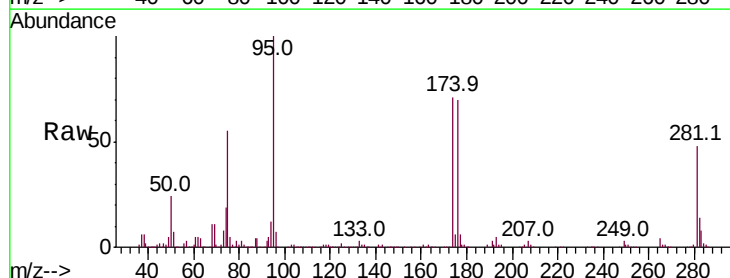
Manual Integrations
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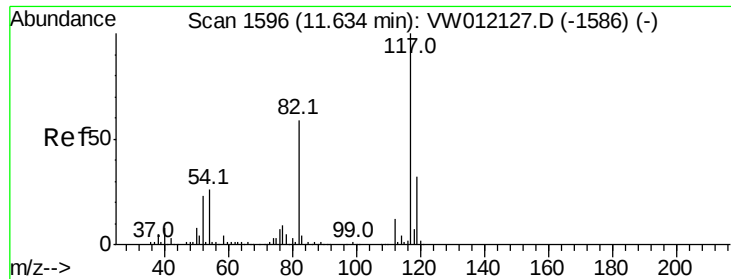
MMDadoda
 9/3/2019 10:56:08 AM



#62
 4-Bromofluorobenzene
 Concen: 53.702 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion: 95 Resp: 154423
 Ion Ratio Lower Upper
 95 100
 174 76.2 0.0 150.8
 176 74.7 0.0 148.6





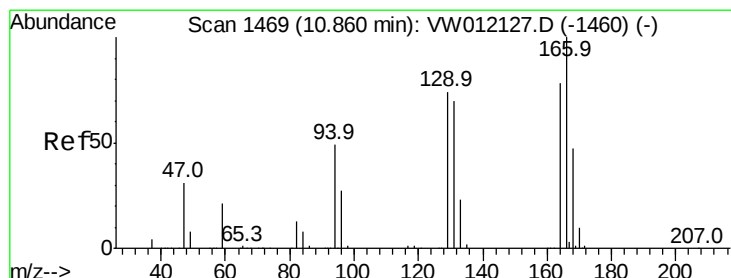
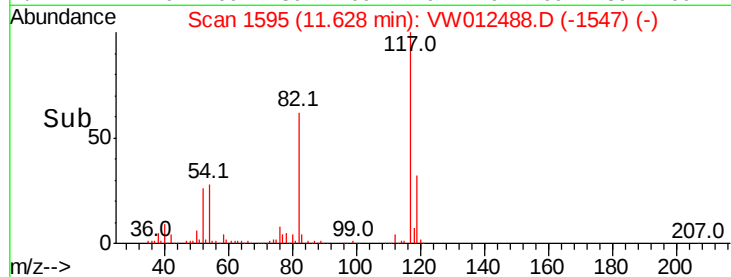
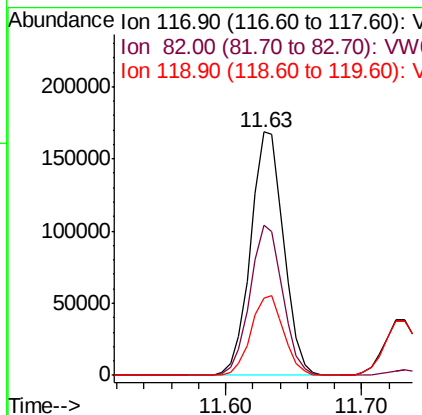
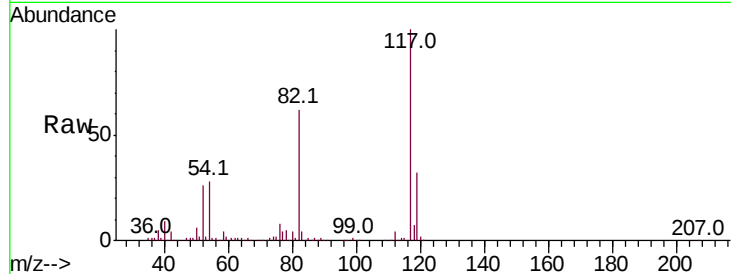
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	287399		
82	61.8		47.4	71.2
119	31.6		25.4	38.2

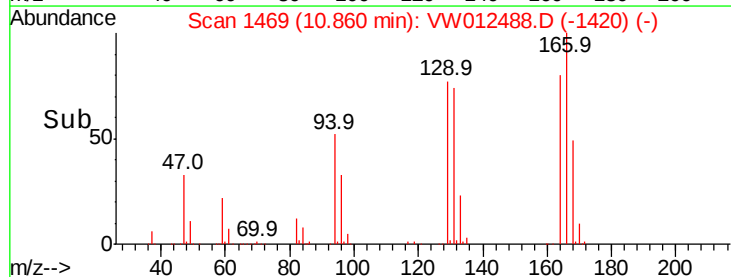
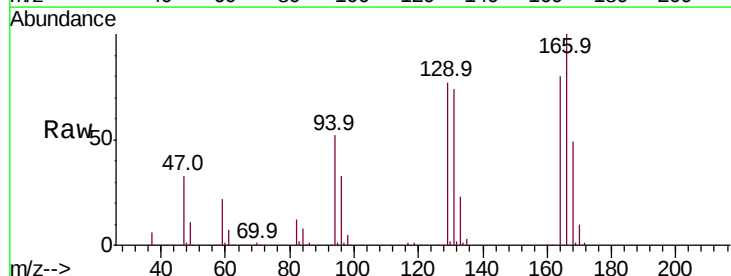
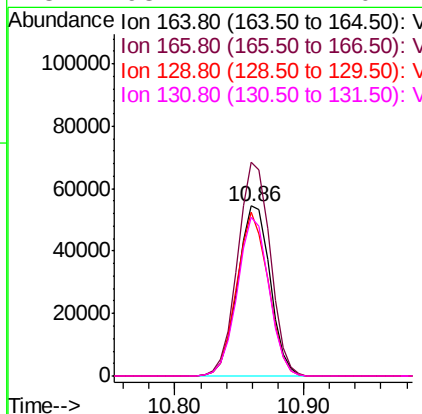
Manual Integrations
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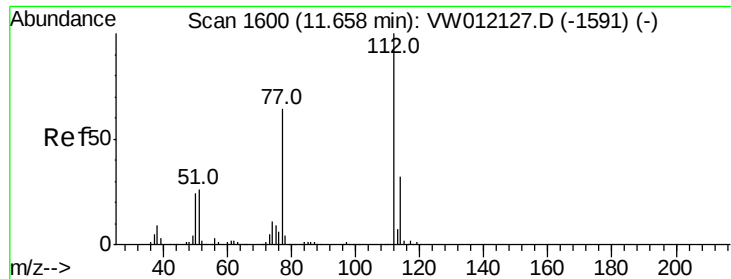
MMDadoda
9/3/2019 10:56:08 AM



#64
Tetrachloroethene
Concen: 51.074 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	95166		
166	125.5		102.4	153.6
129	96.5		75.8	113.6
131	93.2		71.4	107.2





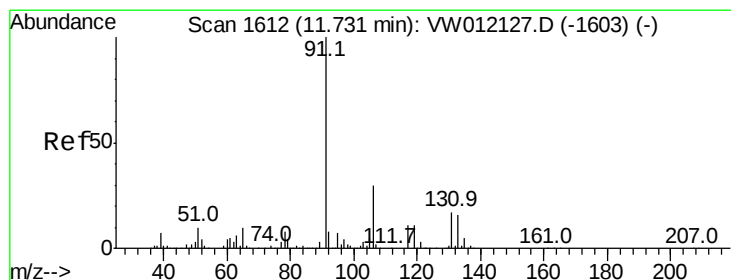
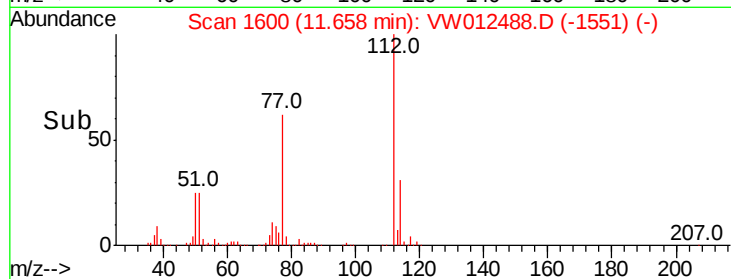
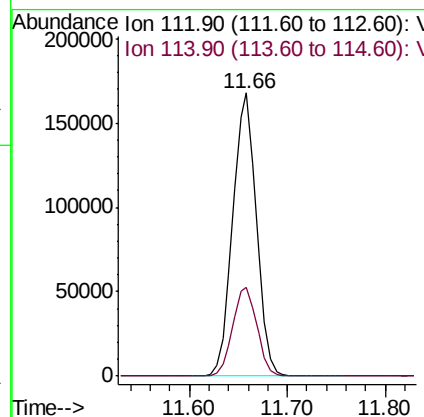
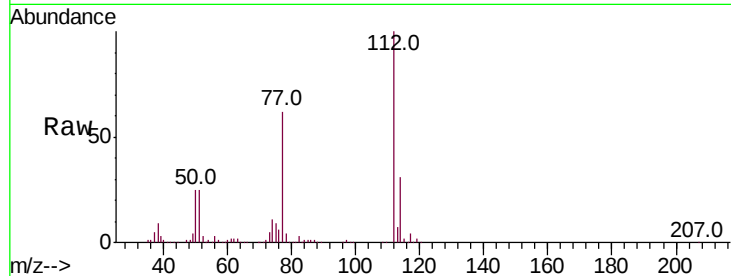
#65
Chlorobenzene
Concen: 49.577 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	280564		
114	31.5	25.8	38.6	

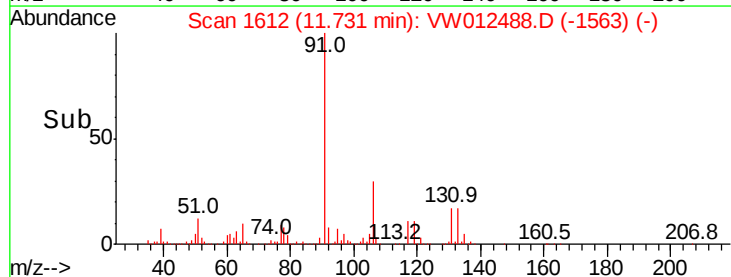
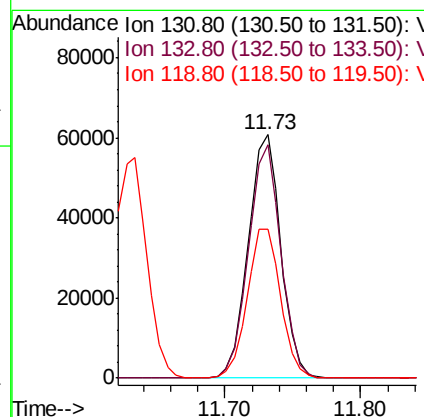
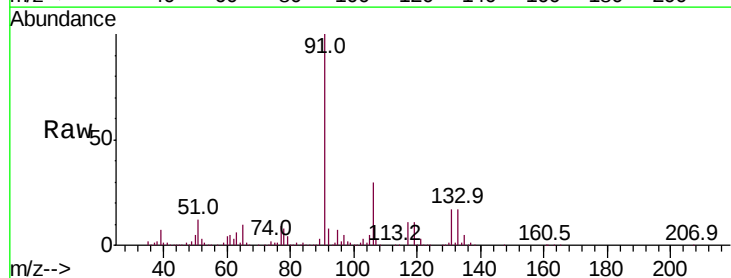
Manual Integrations
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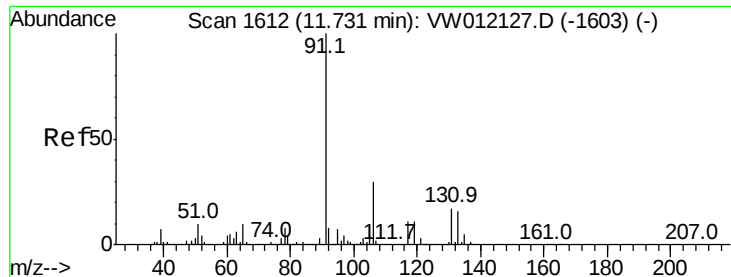
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.574 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	101819		
133	95.4	47.1	141.3	
119	63.0	31.8	95.3	





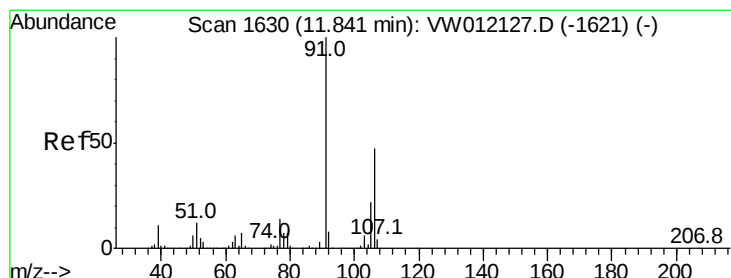
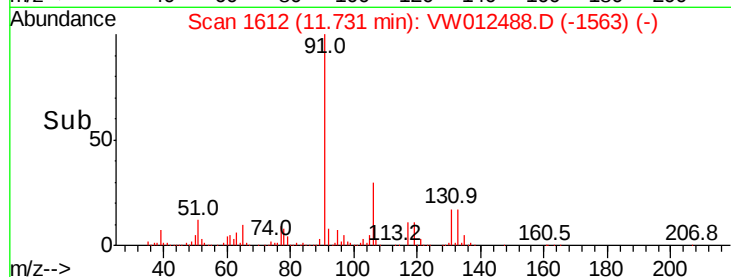
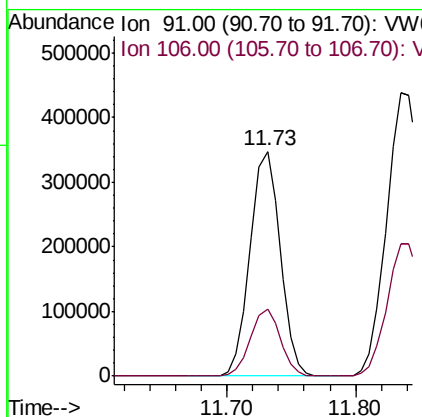
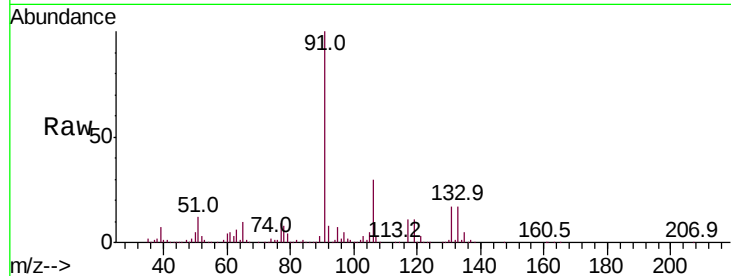
#67
Ethyl Benzene
Concen: 51.491 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 561322
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5

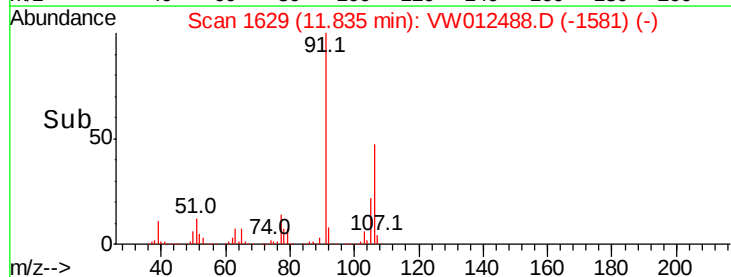
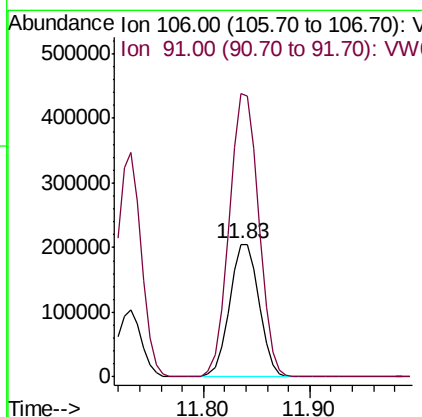
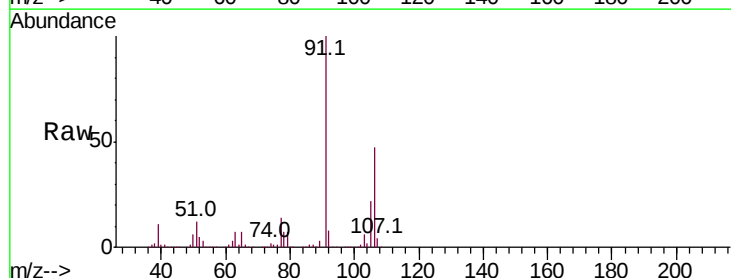
Manual Integrations
APPROVED

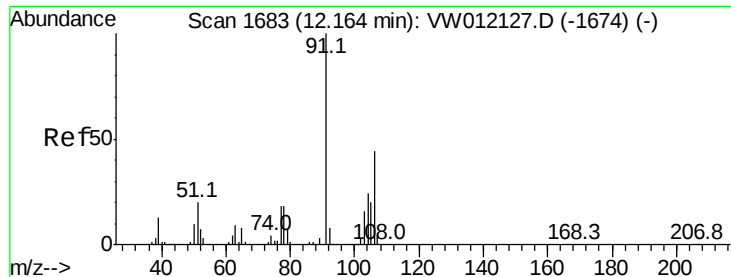
MMDadoda
9/3/2019 10:56:08 AM



#68
m/p-Xylenes
Concen: 101.602 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion: 106 Resp: 398972
Ion Ratio Lower Upper
106 100
91 213.0 169.5 254.3





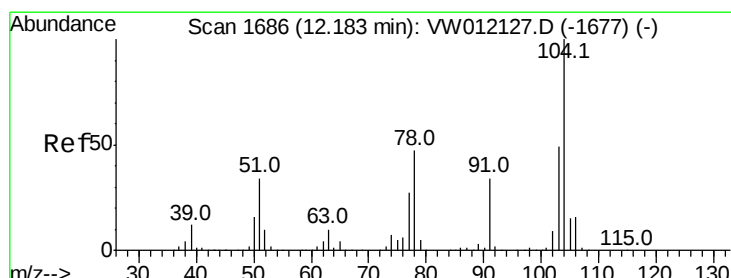
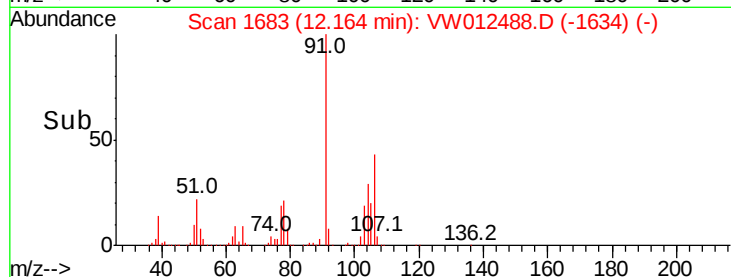
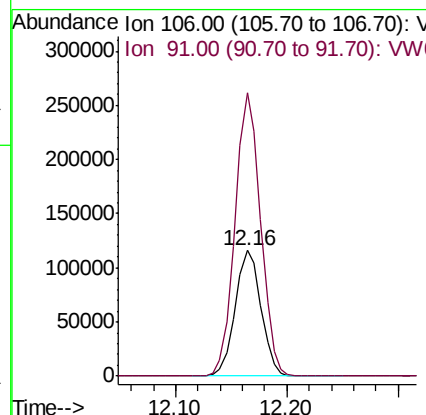
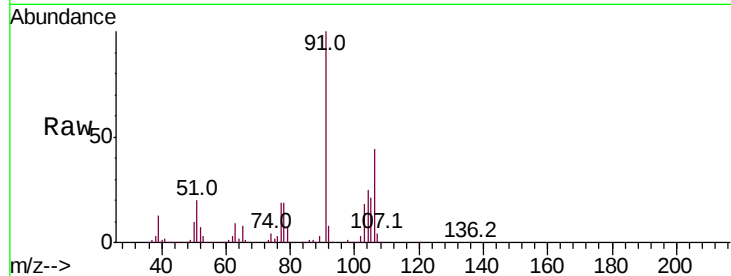
#69
o-Xylene
Concen: 50.993 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.1	111.6	334.6

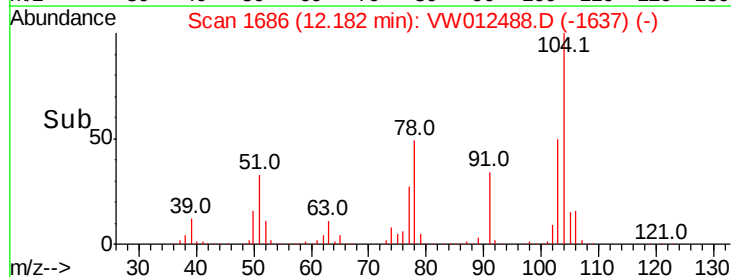
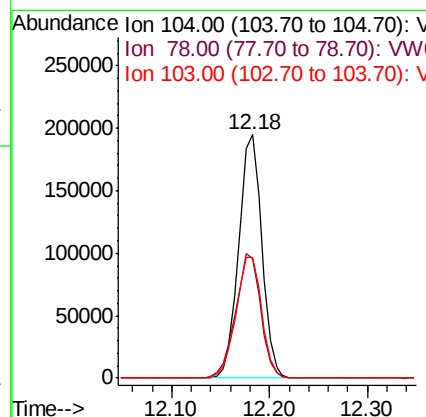
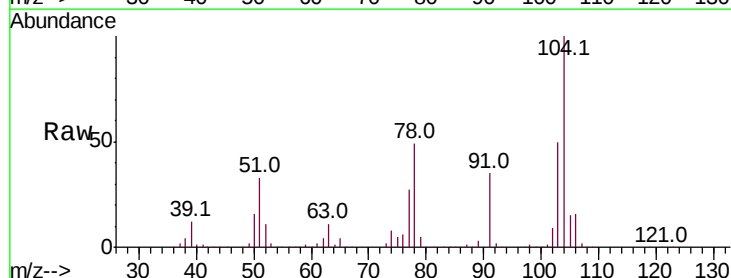
Manual Integrations
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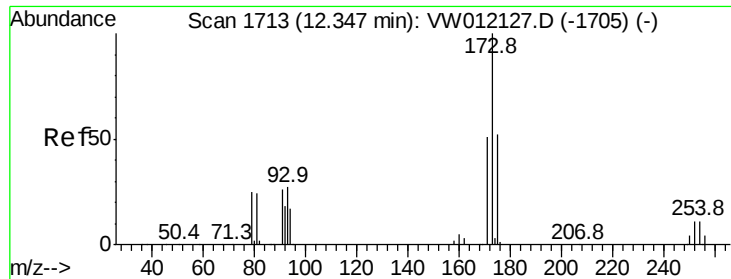
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#70
Styrene
Concen: 50.933 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.3	43.1	64.7
103	55.4	43.5	65.3





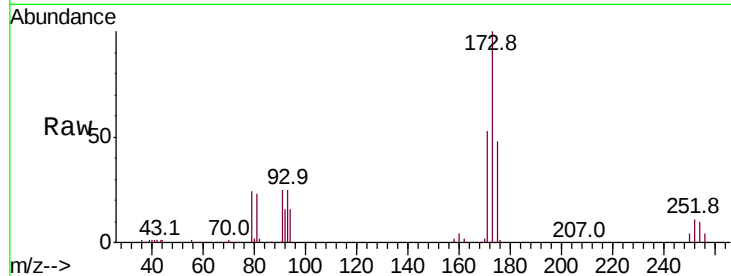
#71
Bromoform
Concen: 51.915 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

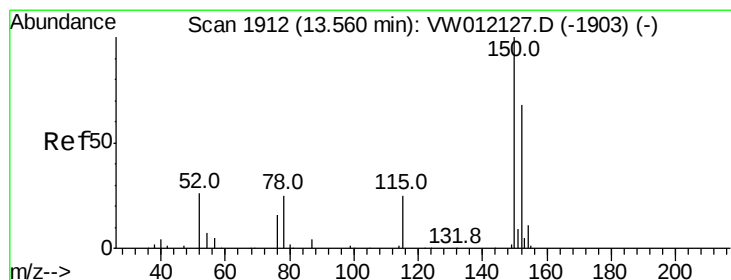
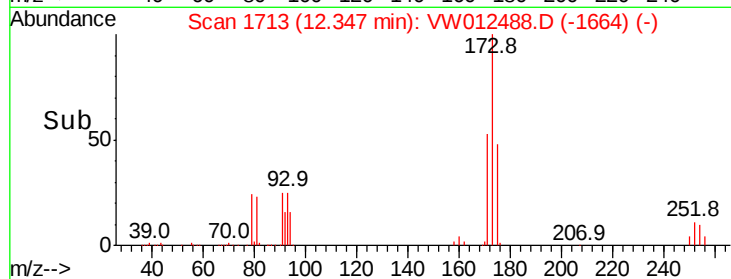
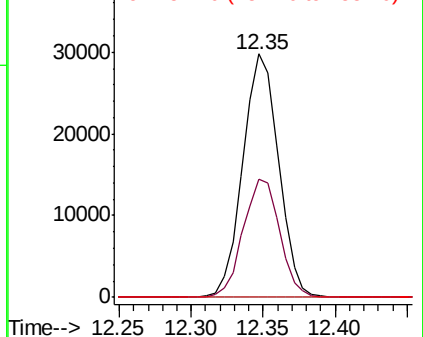
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	74.0
254	0.0	0.2	0.2#

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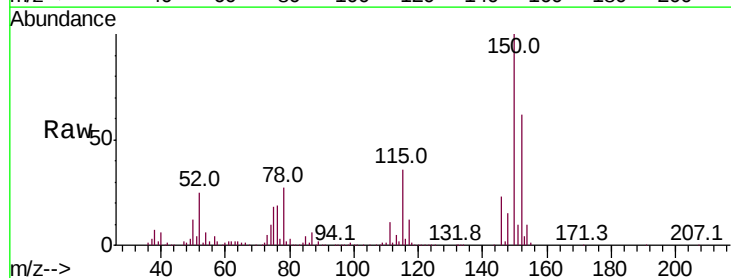


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

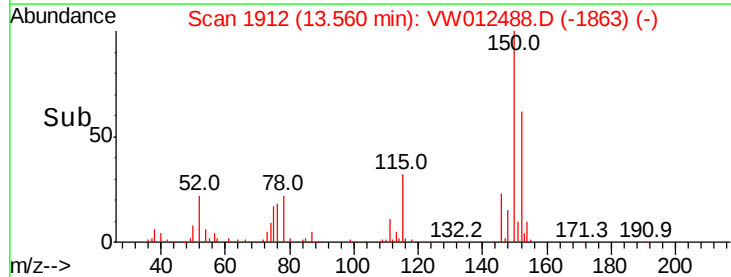
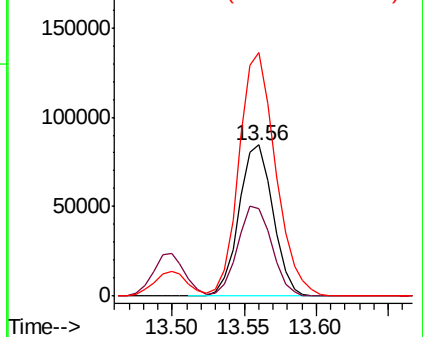


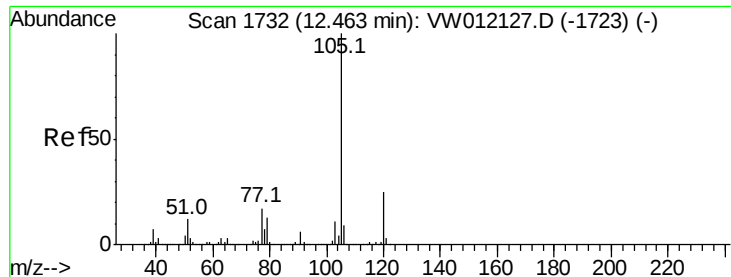
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.1	90.3
150	173.3	0.0	345.8



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





#73

Isopropylbenzene

Concen: 51.322 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 531336

Ion Ratio Lower Upper

105 100

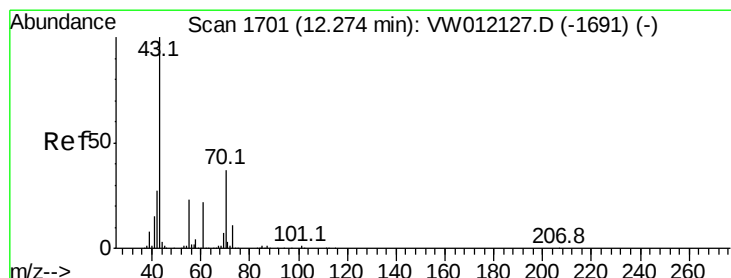
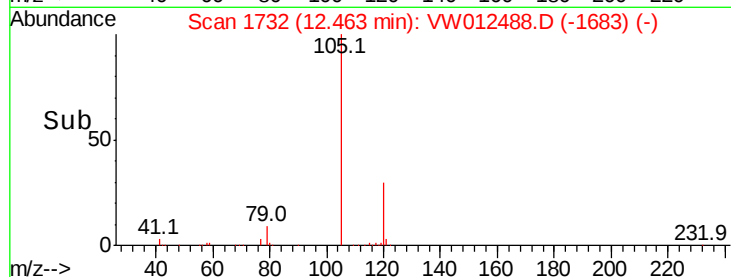
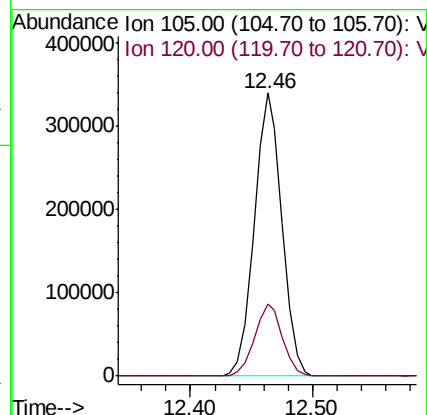
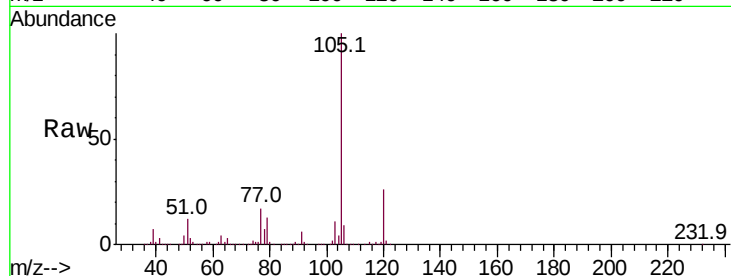
120 25.4 12.5 37.5

Manual Integrations

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9/3/2019 10:56:08 AM



#74

N-ethyl acetate

Concen: 50.301 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Tgt Ion: 43 Resp: 157336

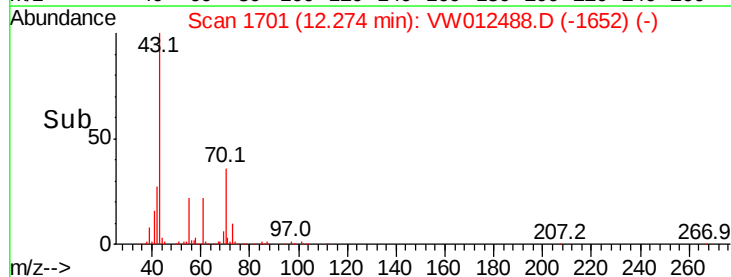
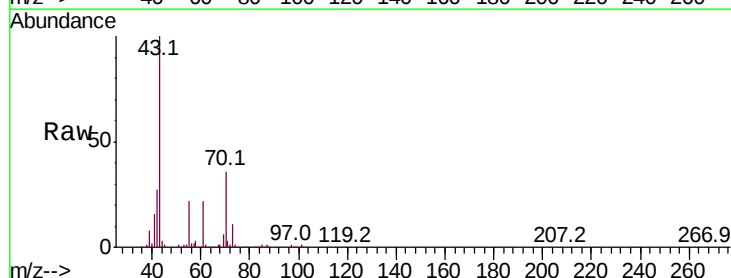
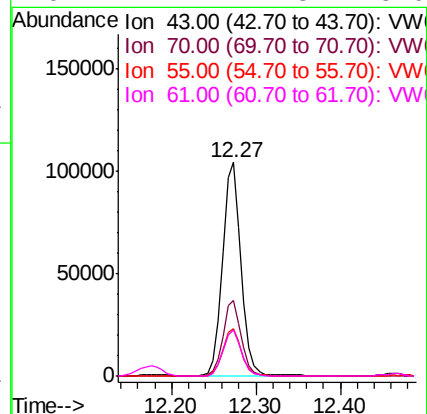
Ion Ratio Lower Upper

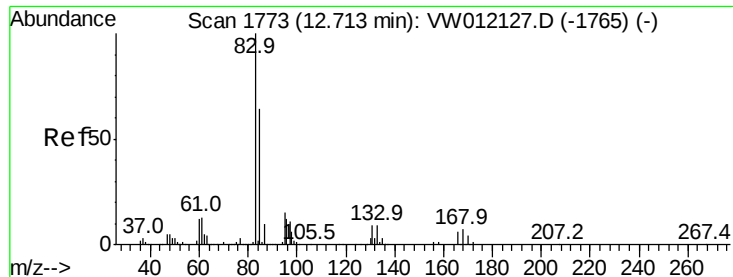
43 100

70 35.2 28.6 43.0

55 22.8 17.8 26.6

61 21.4 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.644 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

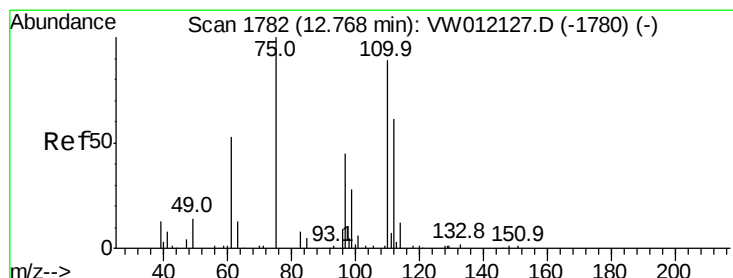
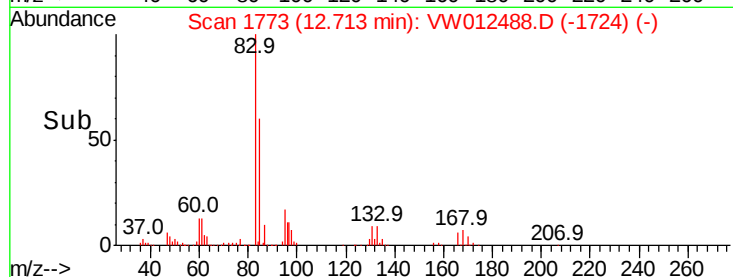
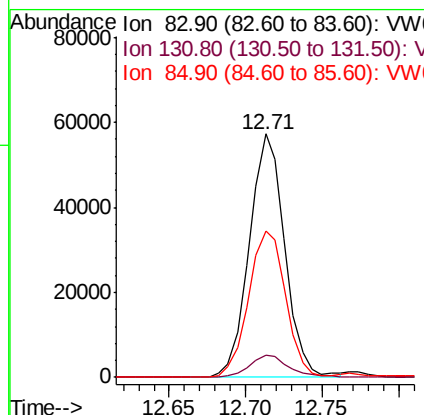
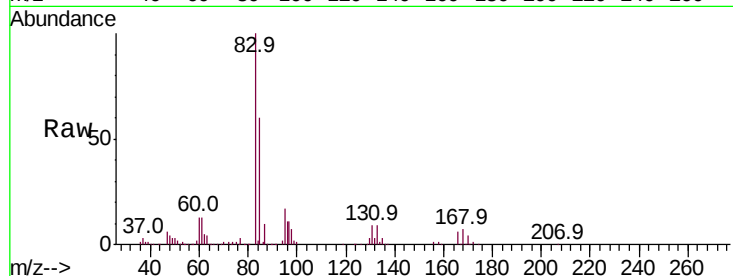
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	92326
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.7
85	62.8	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.543 ug/l m

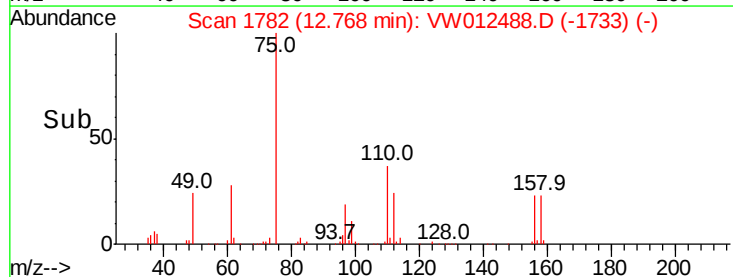
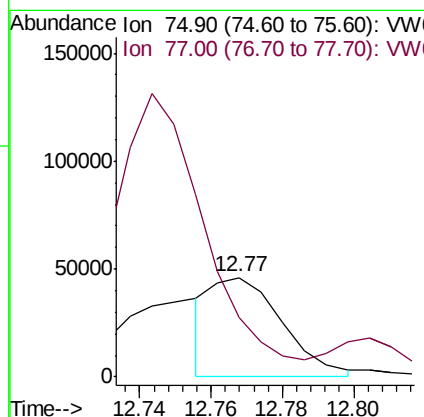
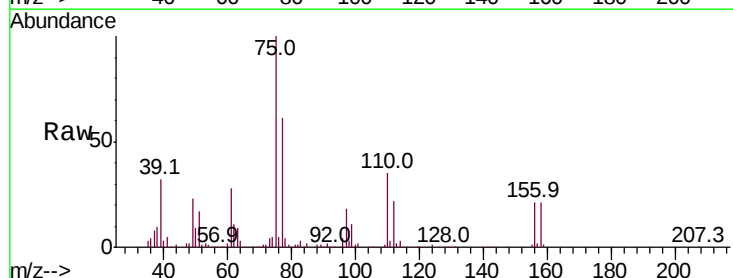
RT: 12.77 min Scan# 1782

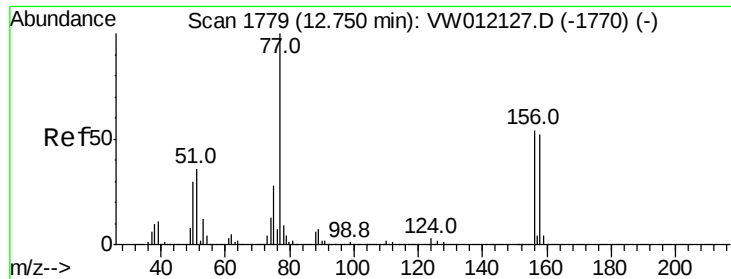
Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Tgt Ion:	75	Resp:	63975
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





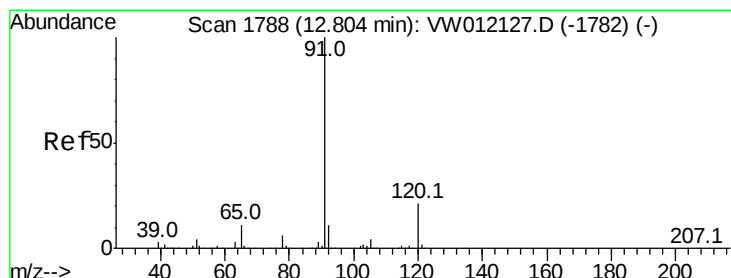
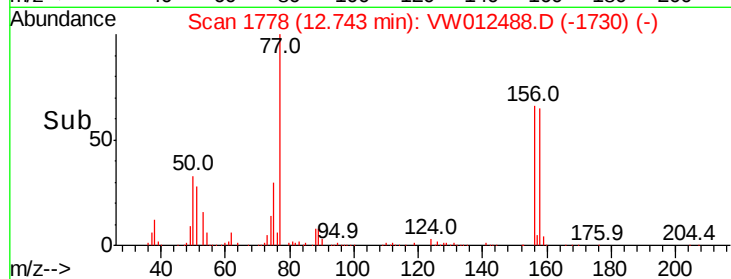
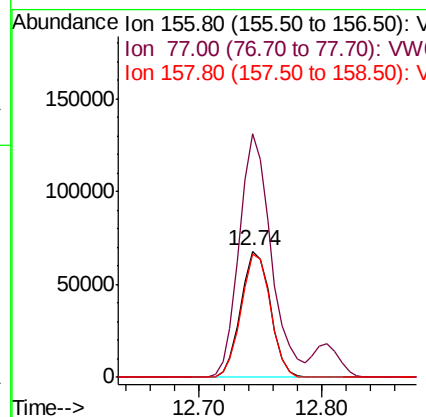
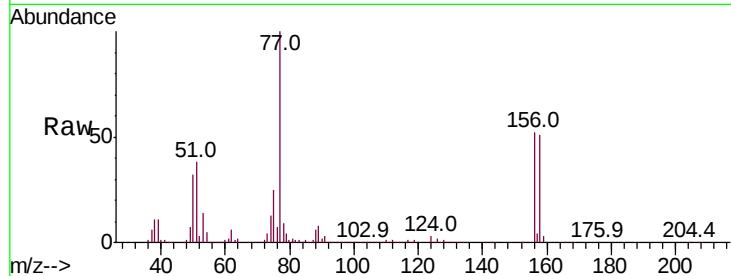
#77
Bromobenzene
Concen: 50.821 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	208.7	107.3	321.8
158	97.4	49.0	147.0

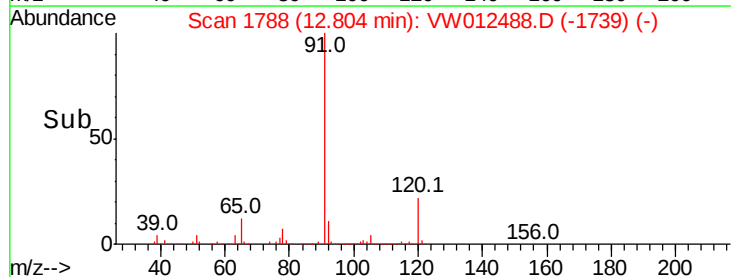
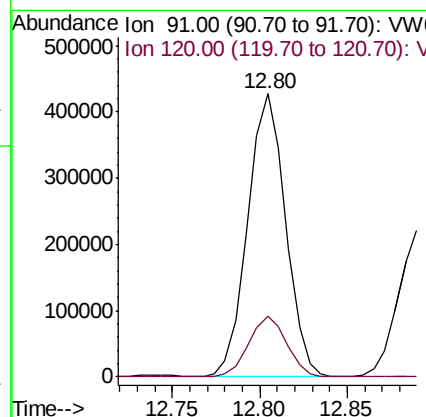
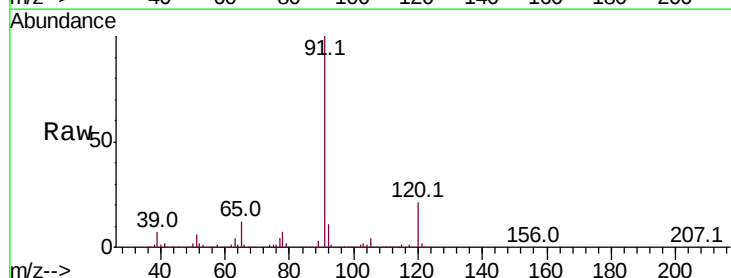
Manual Integrations
APPROVED

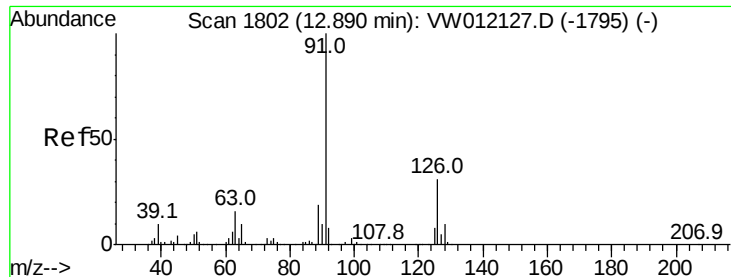
MMDadoda
9/3/2019 10:56:08 AM



#78
n-propylbenzene
Concen: 50.843 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.5	31.6





#79

2-Chlorotoluene

Concen: 50.384 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 361535

Ion Ratio Lower Upper

91 100

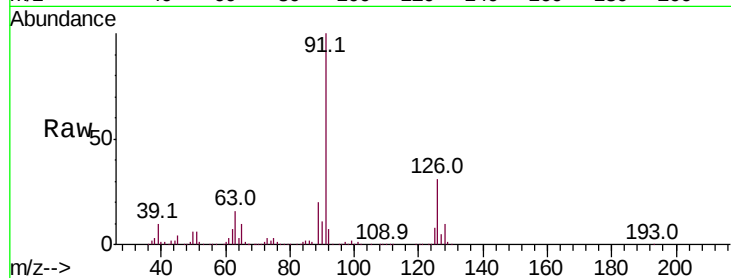
126 31.2 15.7 47.0

Manual Integrations

APPROVED

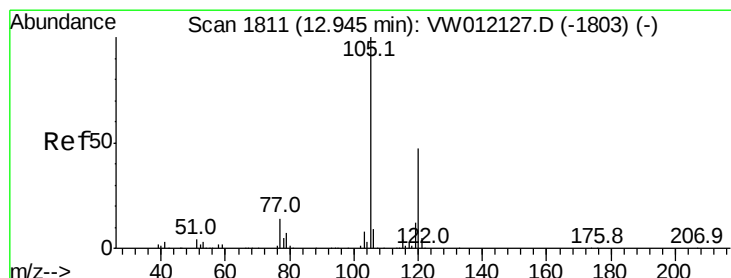
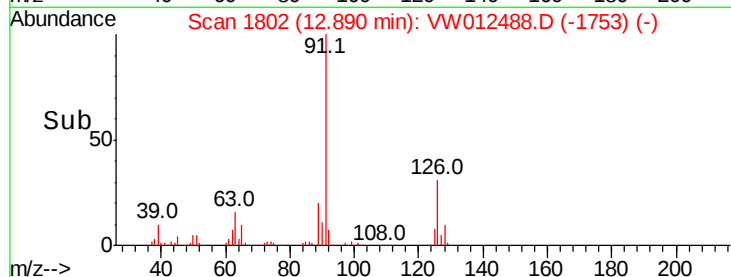
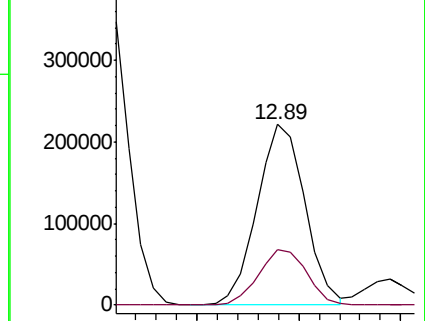
MMDadoda

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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: 51.623 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012488.D

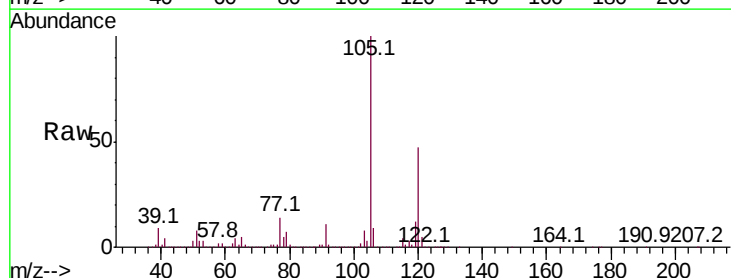
Acq: 02 Sep 2019 10:08

Tgt Ion:105 Resp: 446587

Ion Ratio Lower Upper

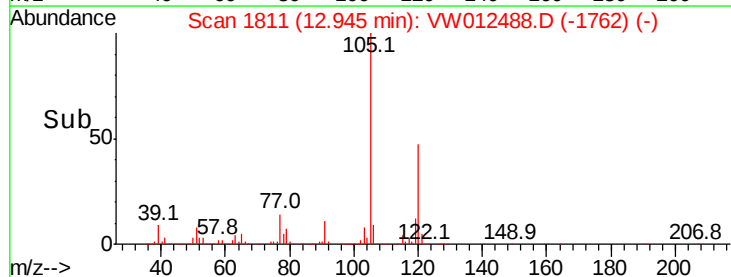
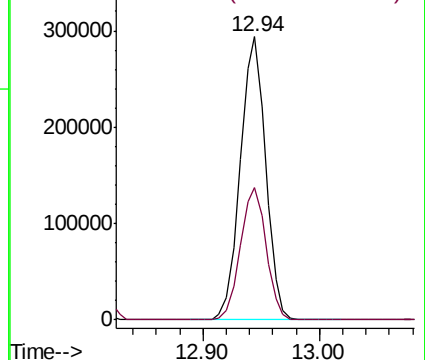
105 100

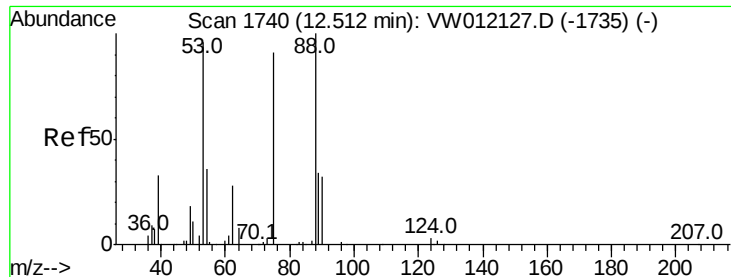
120 47.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





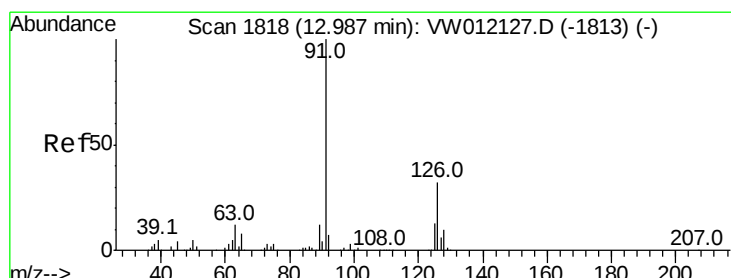
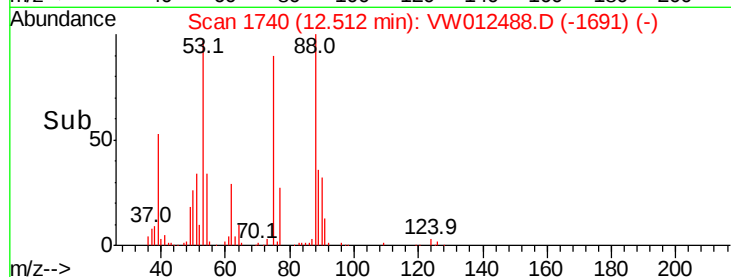
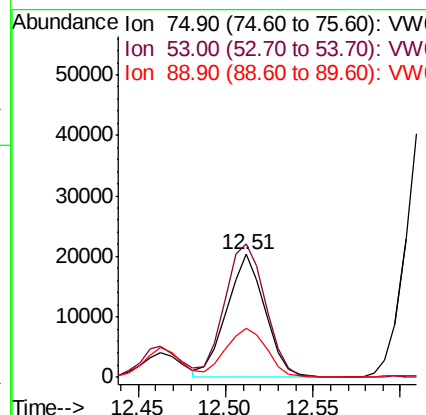
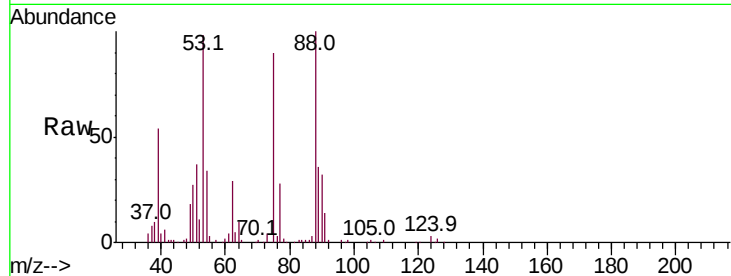
#81
trans-1,4-Dichloro-2-butene
Concen: 50.224 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.0	89.4	134.0
89	42.5	34.5	51.7

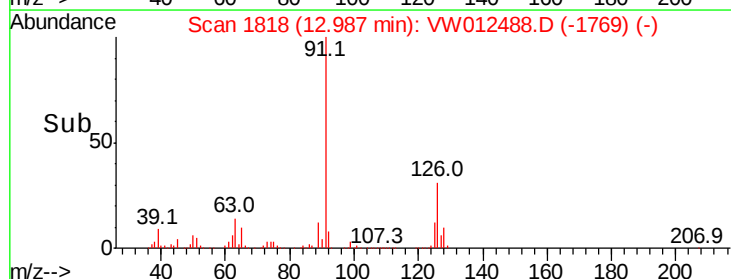
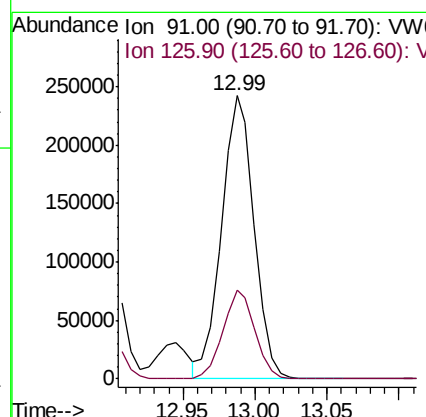
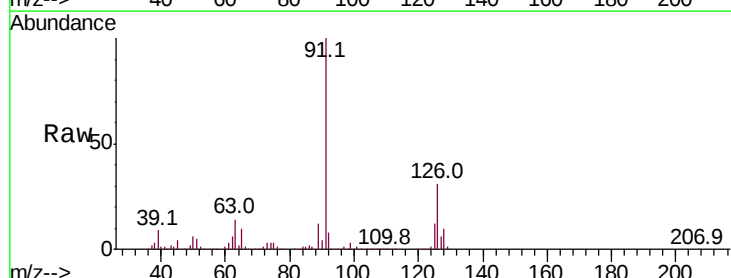
Manual Integrations
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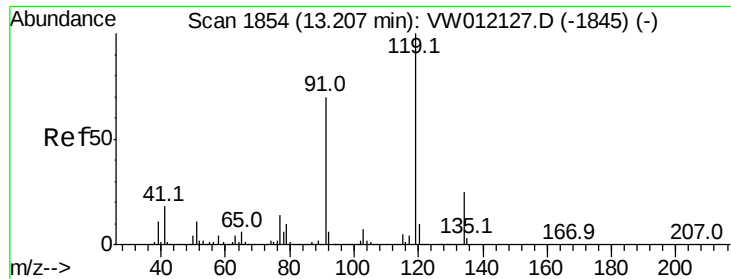
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.700 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





#83

tert-Butylbenzene

Concen: 52.005 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW012488.D

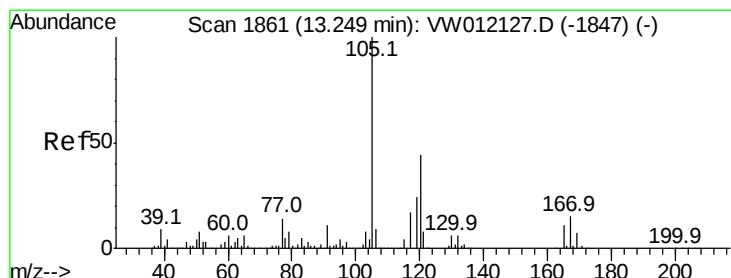
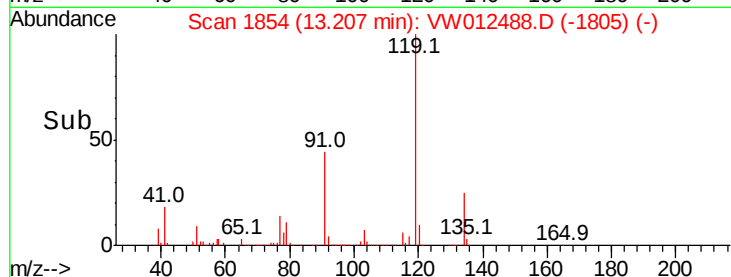
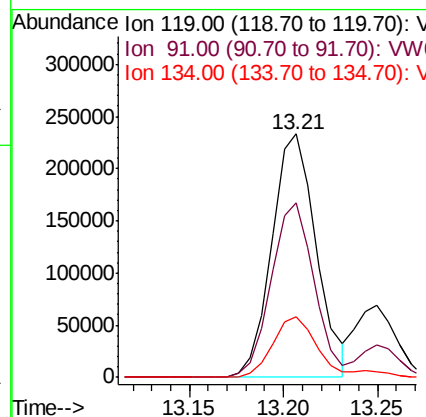
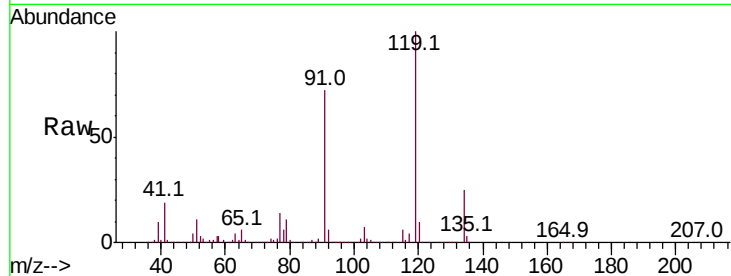
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	381095		
91	69.2	34.8	104.3	
134	26.3	13.3	39.8	

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.818 ug/l

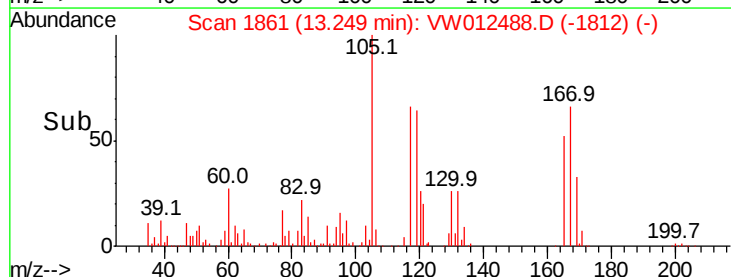
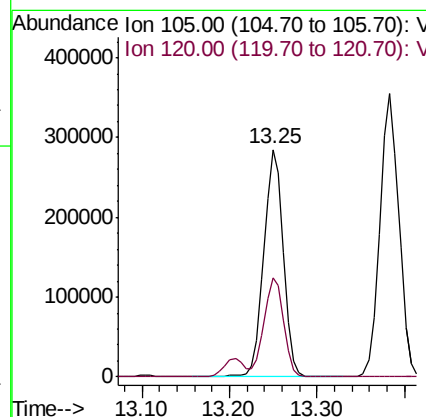
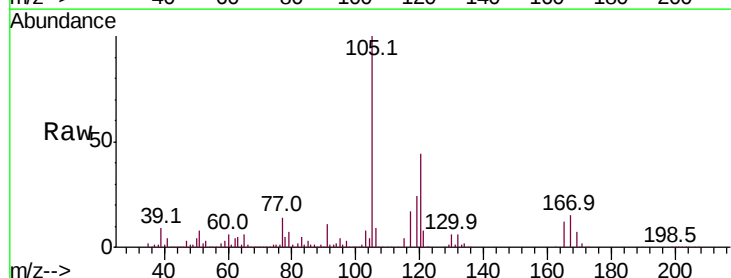
RT: 13.25 min Scan# 1861

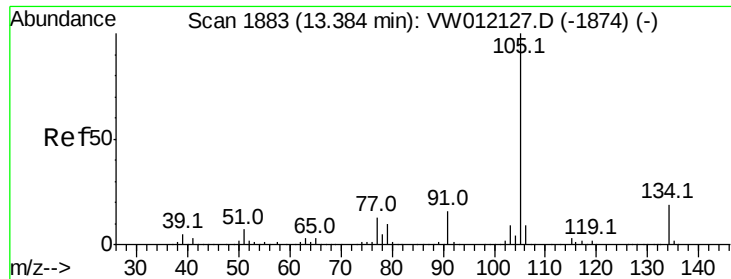
Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	441614		
120	43.5	21.9	65.7	





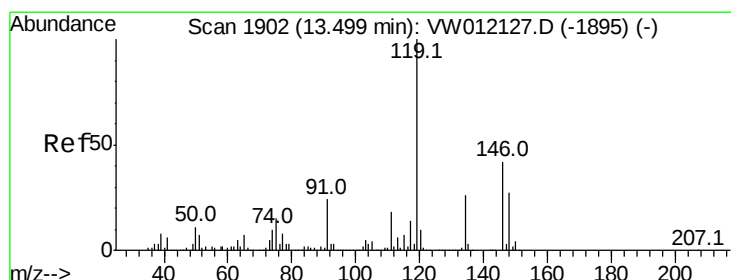
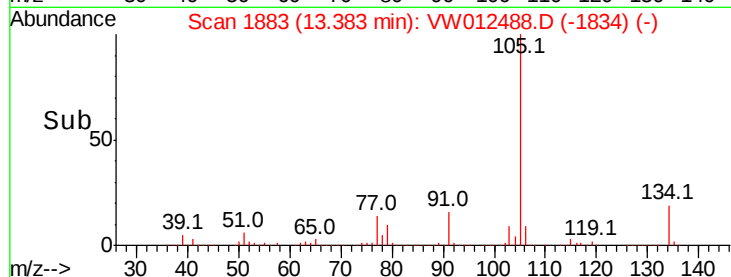
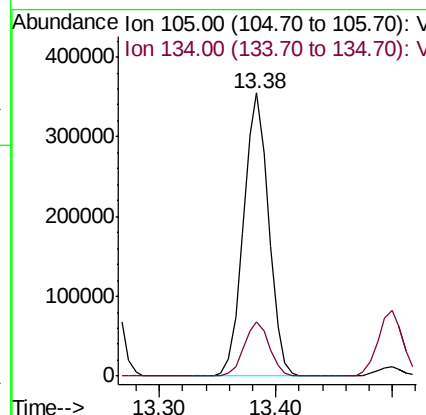
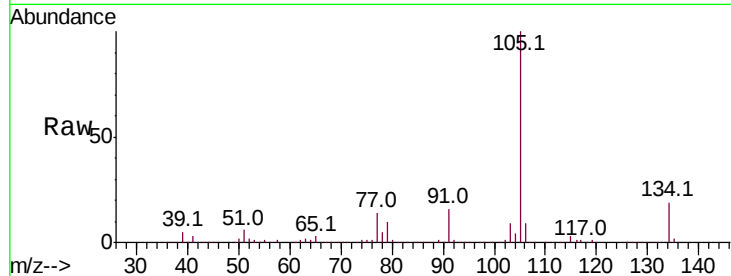
#85
 sec-Butylbenzene
 Concen: 50.907 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

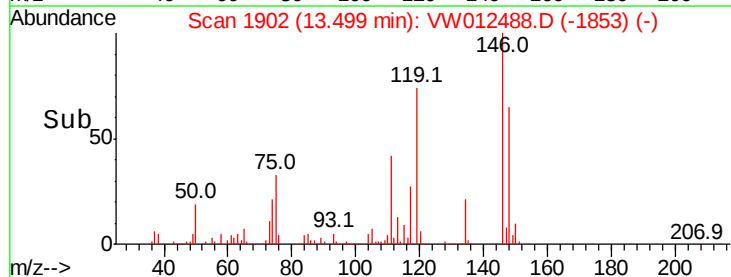
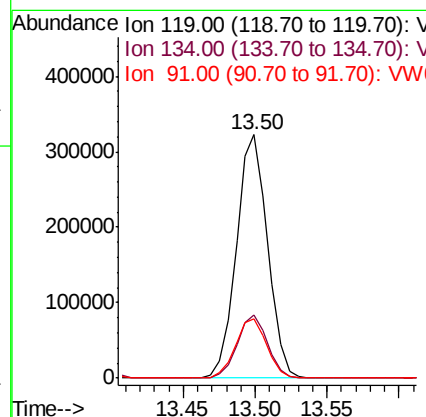
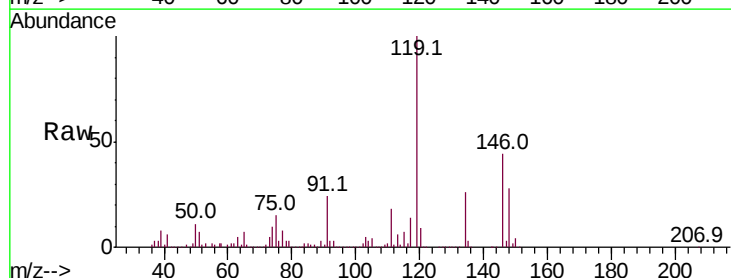
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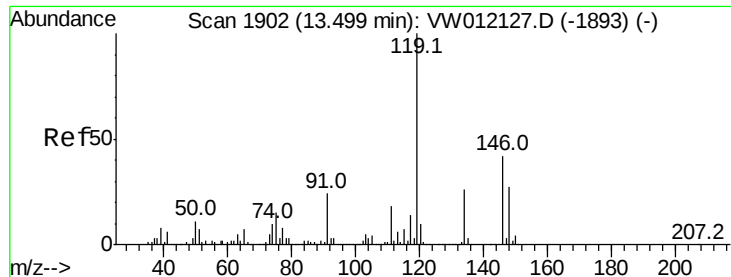
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#86
 p-Isopropyltoluene
 Concen: 51.682 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.8	38.3
91	24.6	12.3	36.9





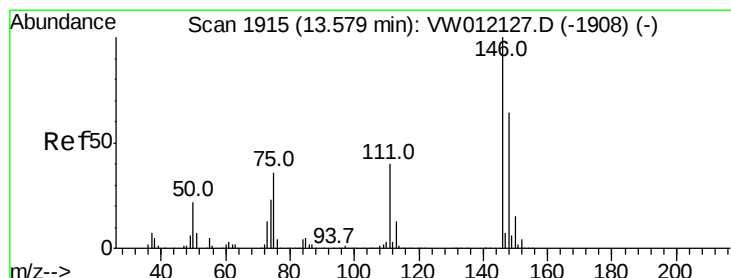
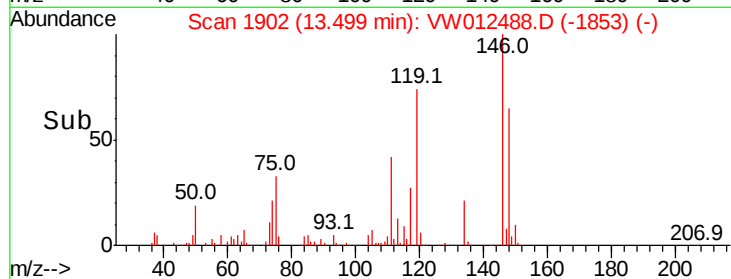
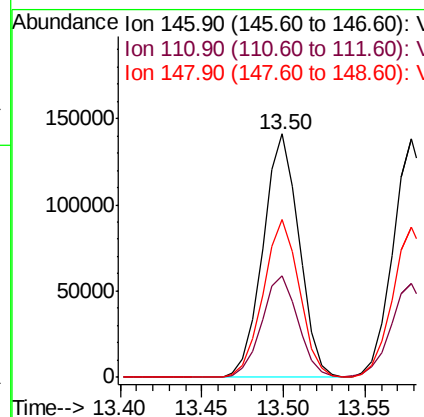
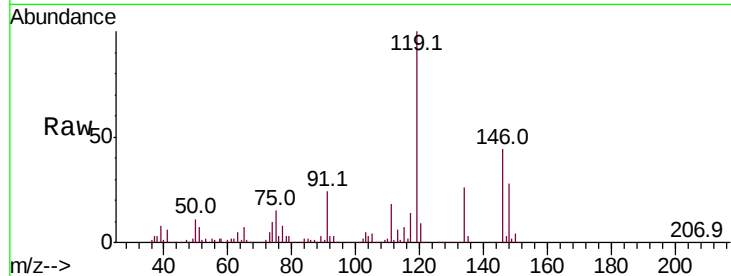
#87
1,3-Dichlorobenzene
Concen: 49.655 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	217529		
111	42.1	20.9	62.7	
148	64.9	32.2	96.6	

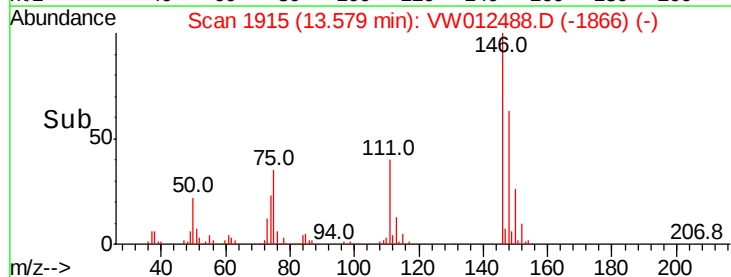
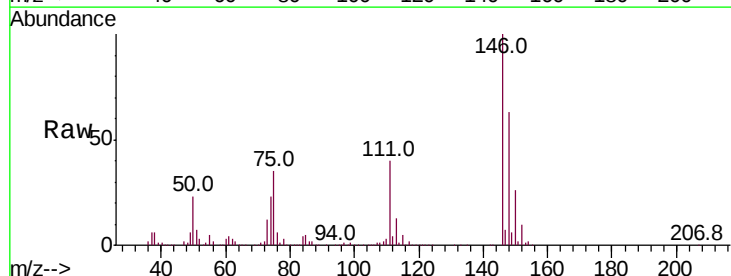
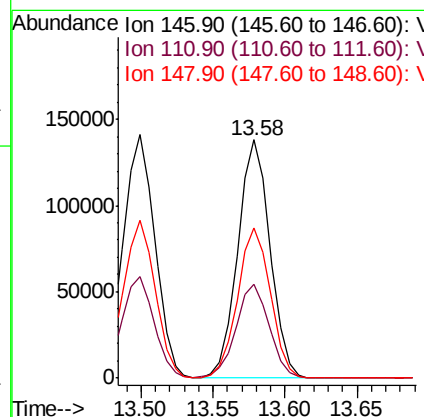
Manual Integrations
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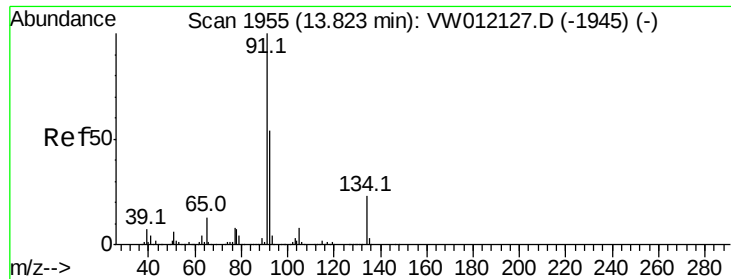
MMDadoda
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#88
1,4-Dichlorobenzene
Concen: 49.571 ug/l
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	215628		
111	40.9	20.0	60.0	
148	64.2	32.1	96.3	





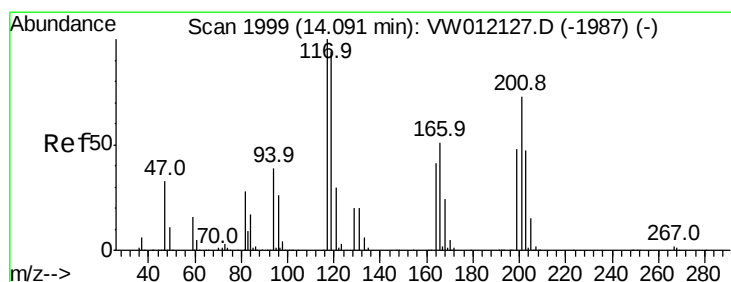
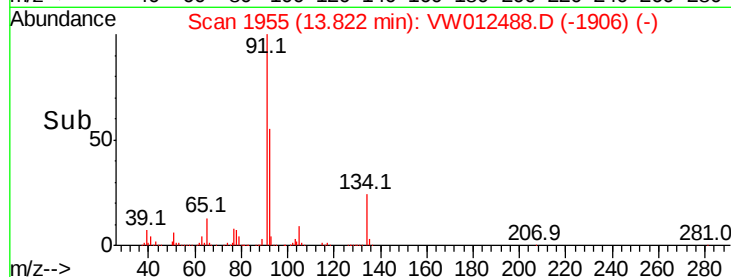
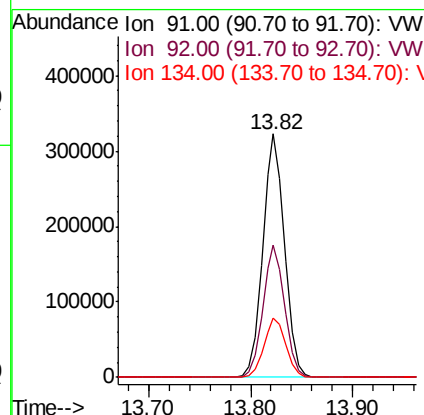
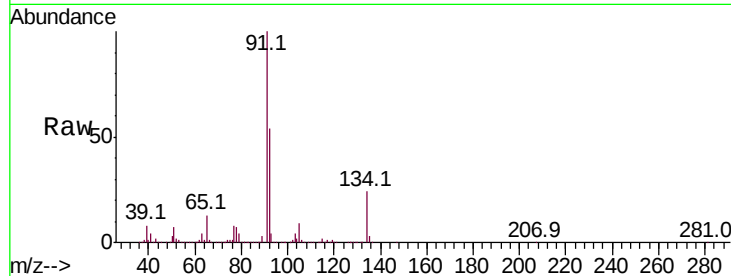
#89
n-Butylbenzene
Concen: 51.205 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	27.1	81.2	
134	24.5	12.2	36.4	

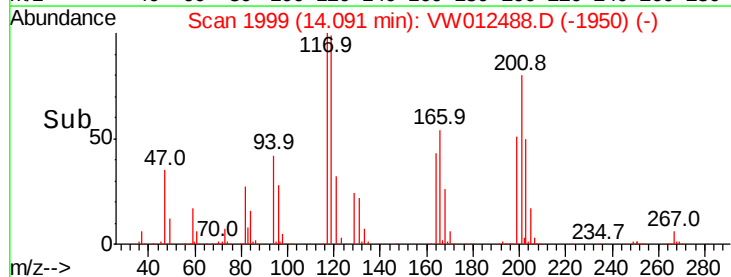
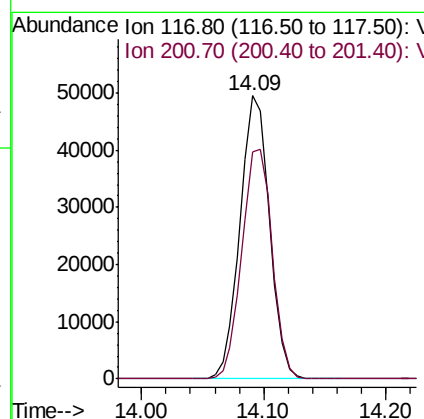
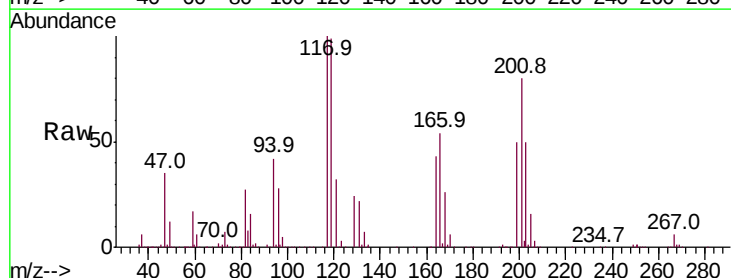
Manual Integrations
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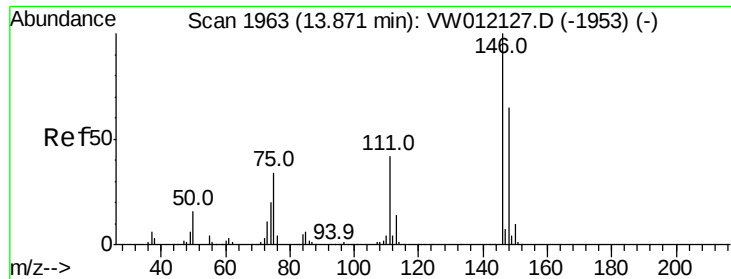
MMDadoda
9/3/2019 10:56:08 AM



#90
Hexachloroethane
Concen: 50.239 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

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





#91

1,2-Dichlorobenzene

Concen: 50.343 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

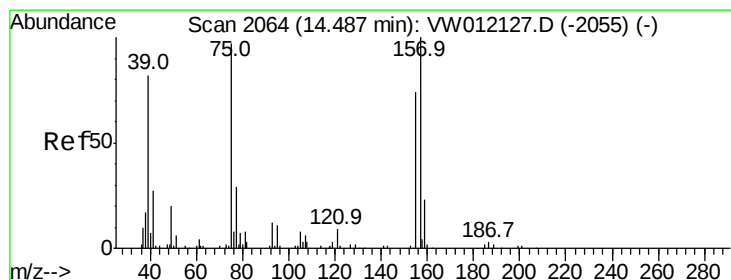
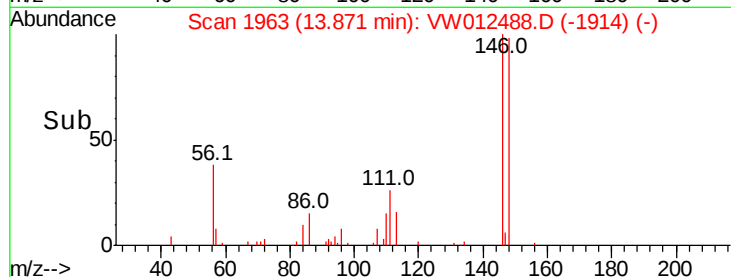
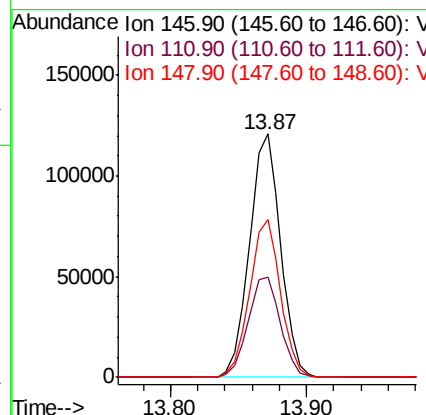
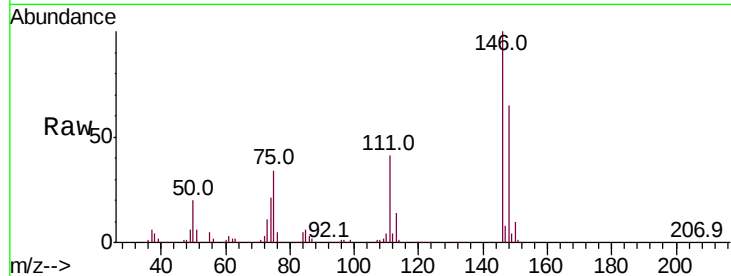
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	193475
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.2	63.6
148	64.4	32.5	97.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.583 ug/l

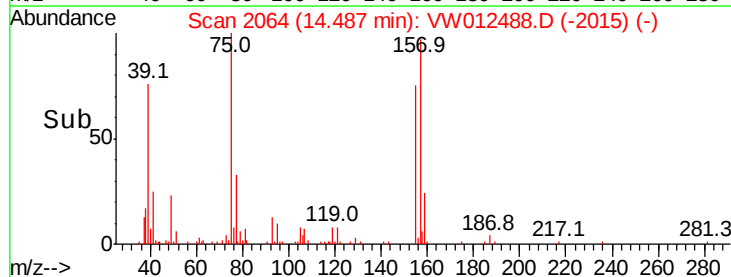
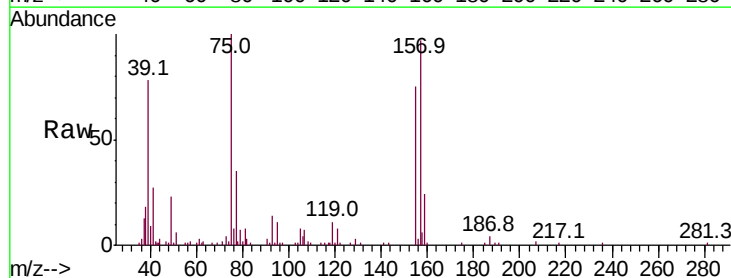
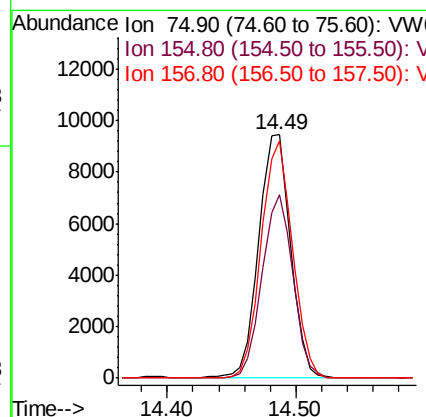
RT: 14.49 min Scan# 2064

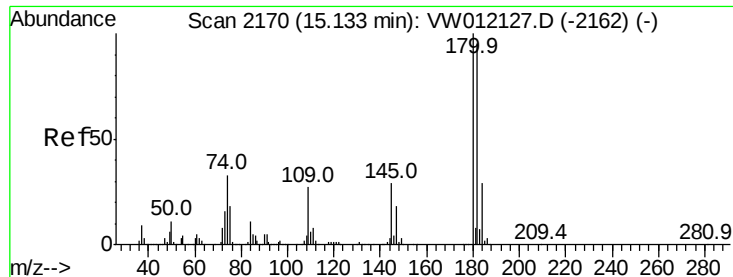
Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Tgt Ion:	75	Resp:	16185
Ion Ratio	Lower	Upper	
75	100		
155	72.7	37.5	112.3
157	95.5	50.5	151.5





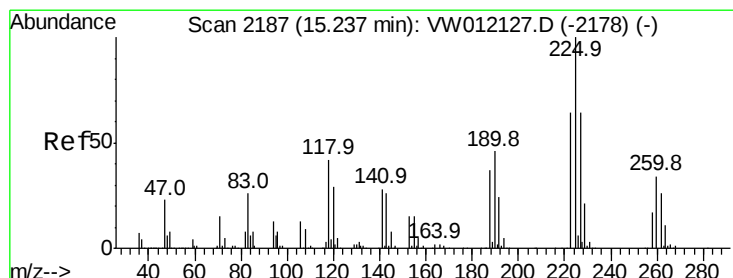
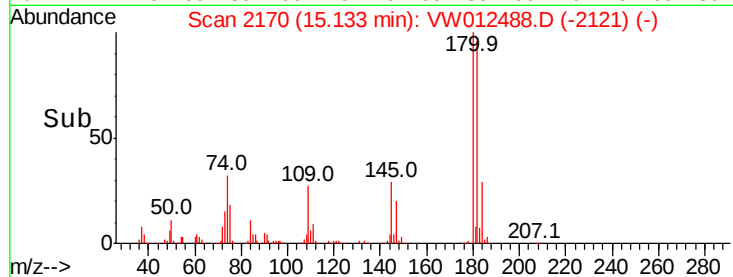
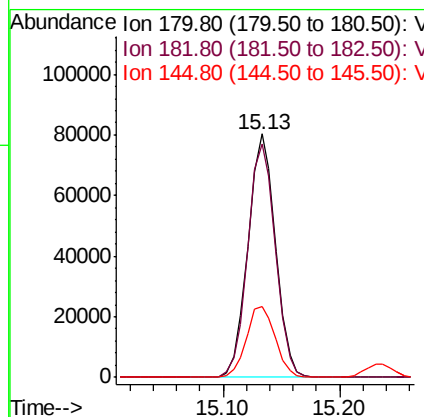
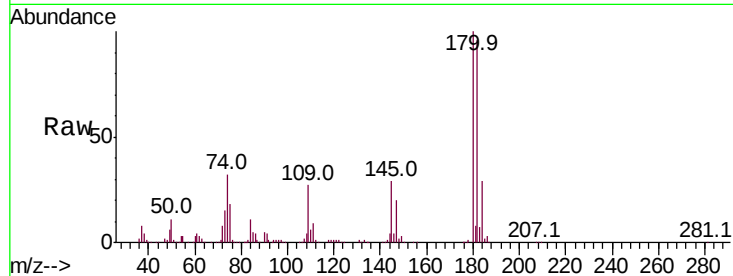
#93
 1,2,4-Trichlorobenzene
 Concen: 49.711 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.0	47.8	143.4	
145	30.8	15.0	45.1	

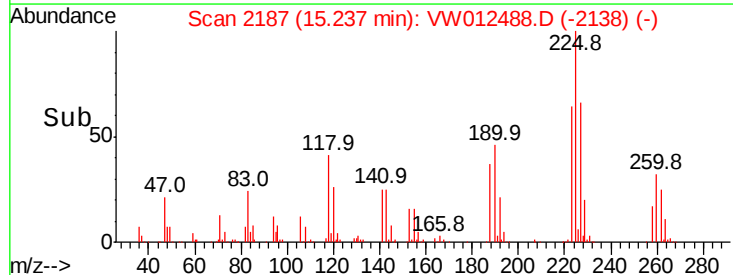
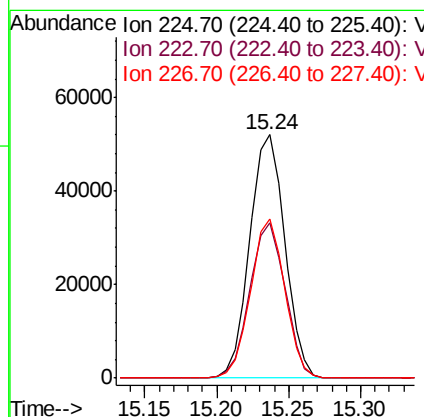
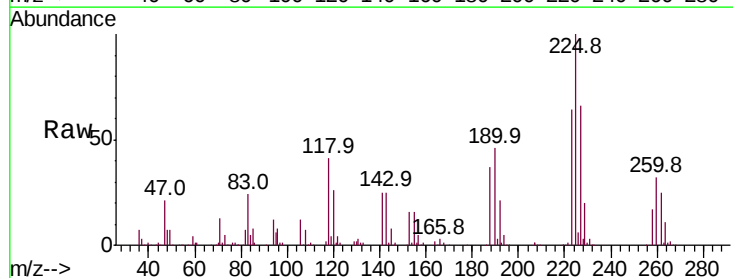
Manual Integrations
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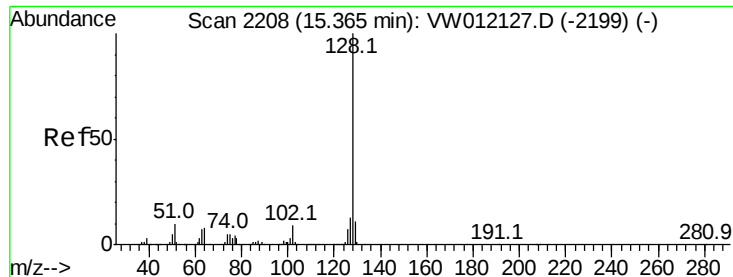
MMDadoda
 9/3/2019 10:56:08 AM



#94
 Hexachlorobutadiene
 Concen: 50.038 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.2	32.3	96.8	
227	63.7	32.9	98.6	





#95

Naphthalene

Concen: 44.600 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

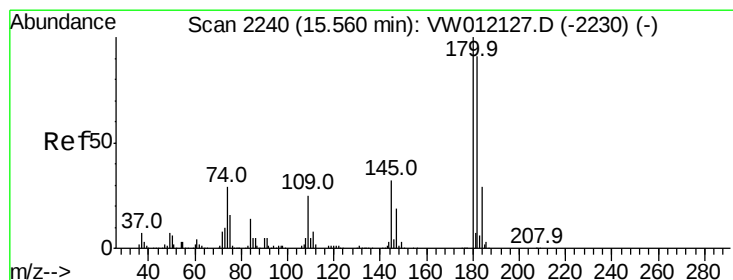
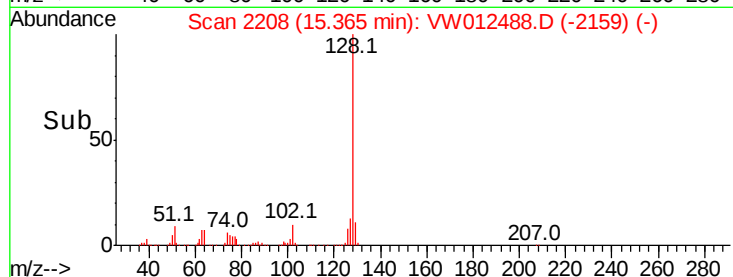
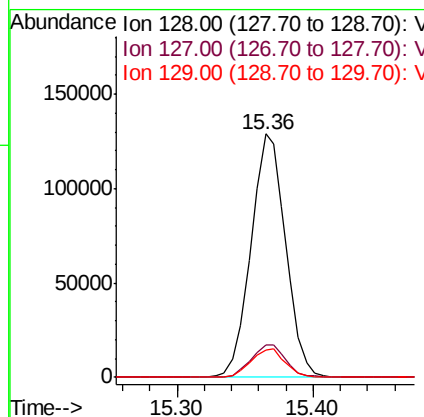
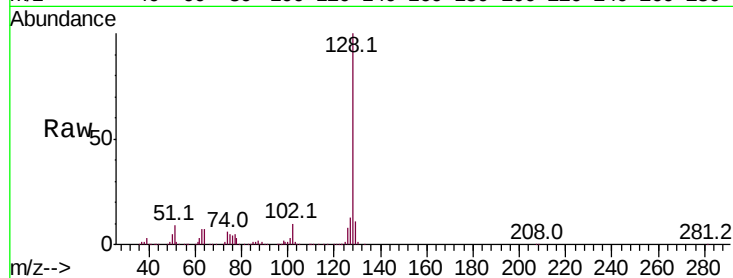
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	229774
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.7	16.1
129	11.5	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 48.641 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Tgt Ion:	180	Resp:	112709
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.1	141.3
145	32.9	16.2	48.5

