

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
 Data File : VD064159.D
 Acq On : 08 Nov 2019 15:58
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:14:52 AM

Quant Time: Nov 08 16:16:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 08 15:32:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	955209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1354399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1177640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	587169	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	1114931	144.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.12%	
35) Dibromofluoromethane	7.92	113	1096301	132.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	264.22%	
50) Toluene-d8	10.34	98	4258513	128.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	257.98%	
62) 4-Bromofluorobenzene	12.64	95	1433627	131.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	262.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	1110086	116.779	ug/l	99
3) Chloromethane	2.21	50	1144332	75.997	ug/l	98
4) Vinyl Chloride	2.36	62	1285114	79.017	ug/l	99
5) Bromomethane	2.75	94	825830	78.507	ug/l	97
6) Chloroethane	2.92	64	808673	79.722	ug/l	100
7) Trichlorofluoromethane	3.27	101	2057011	90.403	ug/l	100
8) Diethyl Ether	3.71	74	565878	133.271	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	1172488	134.327	ug/l	99
10) Methyl Iodide	4.30	142	1465514	138.260	ug/l	99
11) Tert butyl alcohol	5.25	59	384924	893.853	ug/l	96
12) 1,1-Dichloroethene	4.06	96	1124444	135.165	ug/l	97
13) Acrolein	3.93	56	367608	743.245	ug/l	100
14) Allyl chloride	4.71	41	1999297	189.433	ug/l	99
15) Acrylonitrile	5.43	53	1222604	768.904	ug/l	99
16) Acetone	4.17	43	1351761	897.157	ug/l	98
17) Carbon Disulfide	4.40	76	3554285	138.920	ug/l	99
18) Methyl Acetate	4.73	43	713171	174.840	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	2728670	157.304	ug/l	98
20) Methylene Chloride	4.97	84	1173797	114.193	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	1288722	138.262	ug/l	98
22) Diisopropyl ether	6.37	45	3704737	165.312	ug/l	98
23) Vinyl Acetate	6.31	43	10710433	868.763	ug/l	98
24) 1,1-Dichloroethane	6.27	63	2161583	146.588	ug/l	99
25) 2-Butanone	7.23	43	1716515	829.914	ug/l	98
26) 2,2-Dichloropropane	7.21	77	2073180	147.467	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	1394550	134.719	ug/l	97
28) Bromochloromethane	7.55	49	835670	157.586	ug/l	100
29) Tetrahydrofuran	7.57	42	1023490	841.147	ug/l	99
30) Chloroform	7.71	83	2195168	132.291	ug/l	100
31) Cyclohexane	7.98	56	2067909	143.253	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	2093448	135.277	ug/l	100
36) 1,1-Dichloropropene	8.11	75	1773141	138.874	ug/l	100
37) Ethyl Acetate	7.30	43	737608	178.906	ug/l	98
38) Carbon Tetrachloride	8.10	117	1943424	140.688	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	2270282	146.338	ug/l	98
40) Benzene	8.36	78	4888873	141.106	ug/l	97
41) Methacrylonitrile	7.53	41	494057	200.082	ug/l	96
42) 1,2-Dichloroethane	8.43	62	1448031	155.632	ug/l	100
43) Isopropyl Acetate	8.46	43	1539173	182.753	ug/l	100
44) Trichloroethene	9.11	130	1451228	138.846	ug/l	100
45) 1,2-Dichloropropane	9.39	63	1178702	145.270	ug/l	96
46) Dibromomethane	9.48	93	634585	133.222	ug/l	98
47) Bromodichloromethane	9.67	83	1708615	140.920	ug/l	98
48) Methyl methacrylate	9.46	41	729383	186.617	ug/l	99
49) 1,4-Dioxane	9.47	88	148169	2754.882	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	3642321	823.115	ug/l	100
52) Toluene	10.40	92	3257910	136.169	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	1739953	152.560	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	2004940	148.953	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	863196	128.963	ug/l	98
56) Ethyl methacrylate	10.67	69	1204004	159.613	ug/l	99
57) 1,3-Dichloropropane	10.95	76	1524867	136.557	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	2316455	751.988	ug/l	99
59) 2-Hexanone	10.99	43	2634444	840.306	ug/l	99
60) Dibromochloromethane	11.14	129	1211007	132.979	ug/l	100
61) 1,2-Dibromoethane	11.25	107	879234	131.751	ug/l	100
64) Tetrachloroethene	10.88	164	1273335	147.779	ug/l	98
65) Chlorobenzene	11.67	112	3413201	140.311	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	1310996	143.483	ug/l	99
67) Ethyl Benzene	11.75	91	6102370	140.625	ug/l	98
68) m/p-Xylenes	11.86	106	4767710	275.614	ug/l	96
69) o-Xylene	12.18	106	2209016	139.706	ug/l	99
70) Styrene	12.20	104	3873951	142.387	ug/l	100
71) Bromoform	12.37	173	755422	152.996	ug/l	100
73) Isopropylbenzene	12.48	105	5984642	144.060	ug/l	99
74) N-amyl acetate	12.29	43	1381840	187.768	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	900799	138.328	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	673164m	165.385	ug/l	
77) Bromobenzene	12.76	156	1478874	146.915	ug/l	100
78) n-propylbenzene	12.83	91	6804375	140.314	ug/l	98
79) 2-Chlorotoluene	12.91	91	3874333	147.503	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	4963364	143.679	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	342039	169.569	ug/l	96
82) 4-Chlorotoluene	13.01	91	4102498	147.286	ug/l	100
83) tert-Butylbenzene	13.23	119	4312713	139.359	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	4968669	143.533	ug/l	99
85) sec-Butylbenzene	13.40	105	5869855	139.040	ug/l	100
86) p-Isopropyltoluene	13.52	119	5644927	142.426	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	2785649	140.902	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	2700135	137.790	ug/l	99
89) n-Butylbenzene	13.85	91	5051193	138.471	ug/l	99
90) Hexachloroethane	14.11	117	1047150	140.444	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	2372487	139.341	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	159549	162.222	ug/l	99

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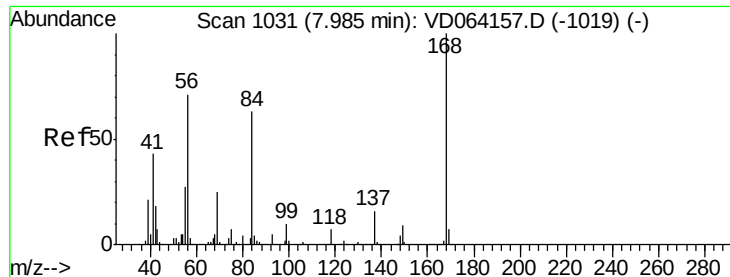
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	1829254	147.849	ug/l	99
94) Hexachlorobutadiene	15.27	225	1153205	156.772	ug/l	99
95) Naphthalene	15.41	128	2995448	148.982	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	1555426	144.821	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064159.D

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Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 955209

Ion Ratio Lower Upper

168 100

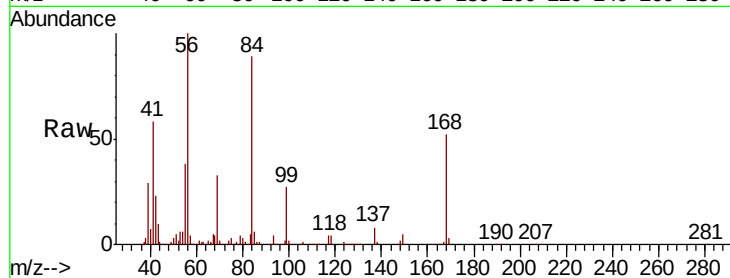
99 50.3 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

600000

500000

400000

300000

200000

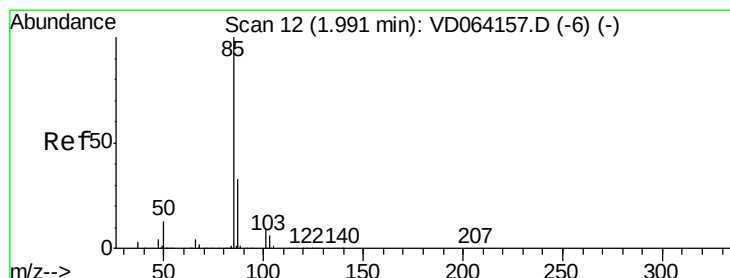
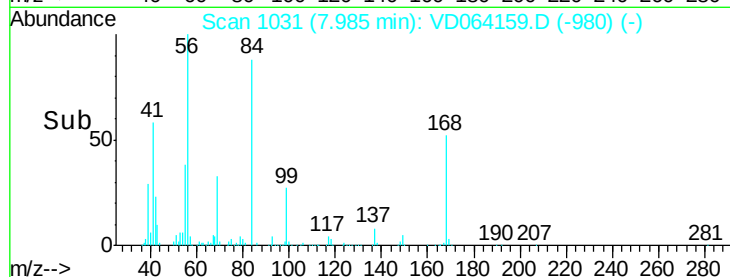
100000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 116.779 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064159.D

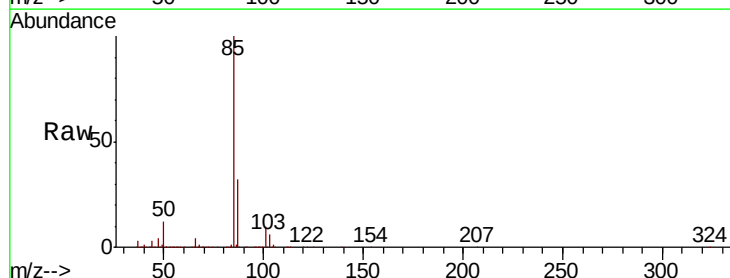
Acq: 08 Nov 2019 15:58

Tgt Ion: 85 Resp: 1110086

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

800000

600000

400000

200000

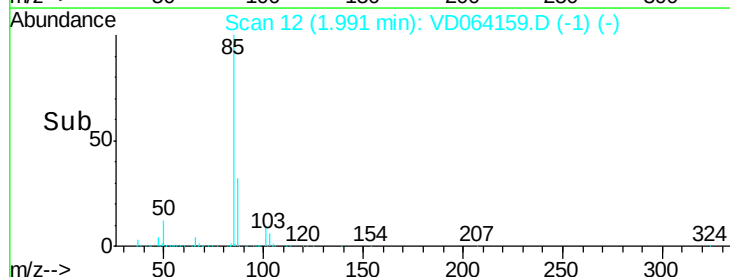
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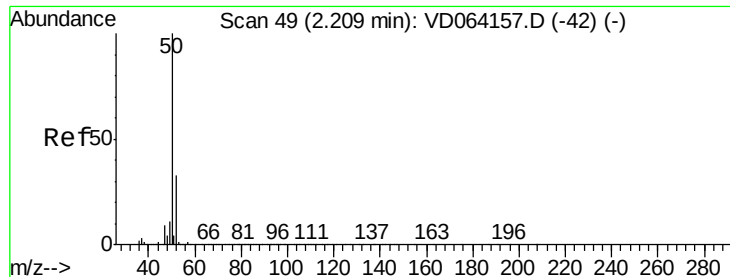
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 75.997 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1144332

Ion Ratio Lower Upper

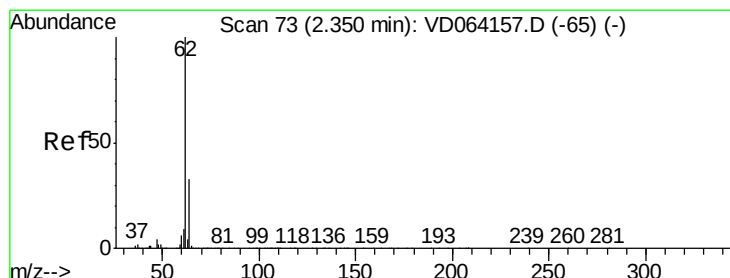
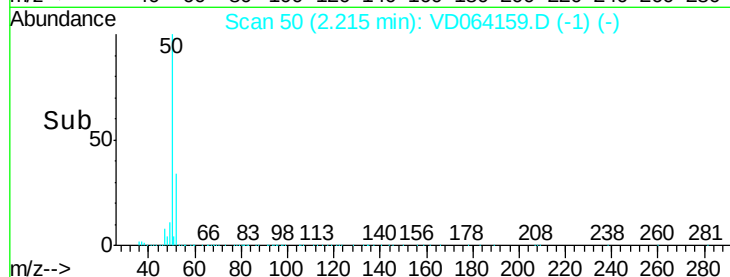
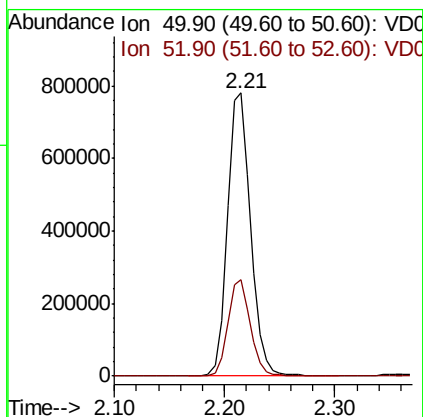
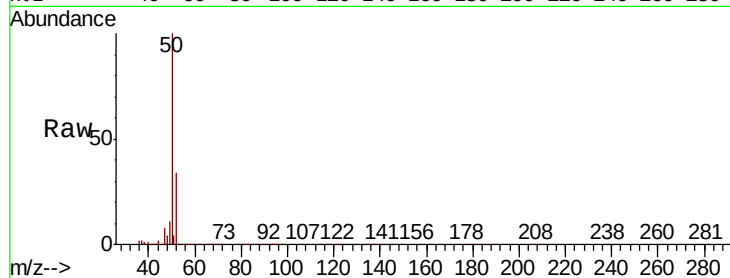
50 100

52 33.9 26.2 39.4

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#4

Vinyl Chloride

Concen: 79.017 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064159.D

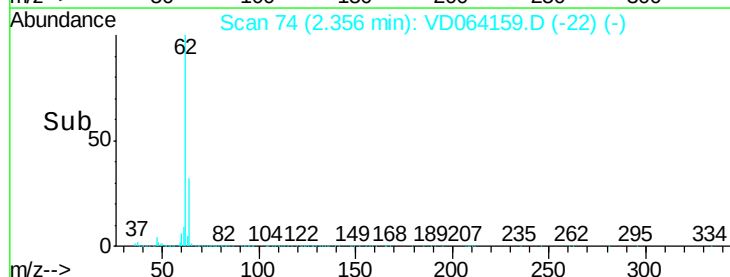
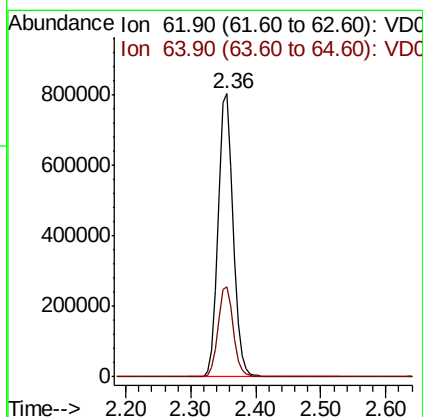
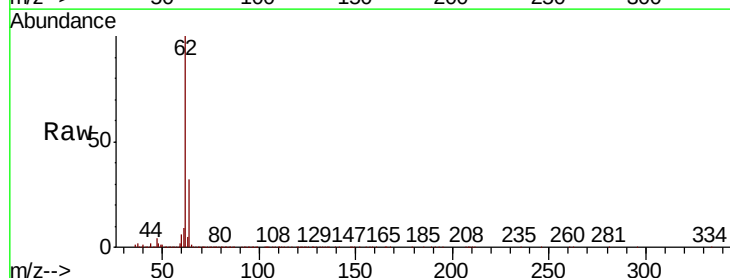
Acq: 08 Nov 2019 15:58

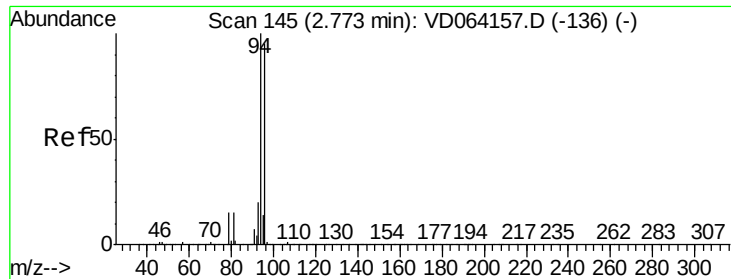
Tgt Ion: 62 Resp: 1285114

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.2





#5

Bromomethane

Concen: 78.507 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 825830

Ion Ratio Lower Upper

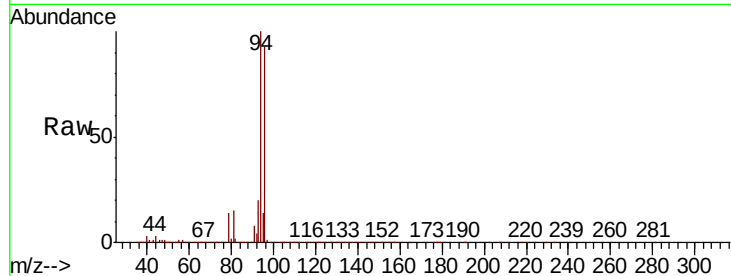
94 100

96 92.5 76.2 114.4

Manual Integrations
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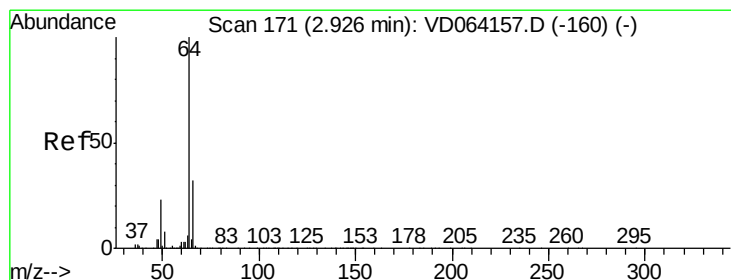
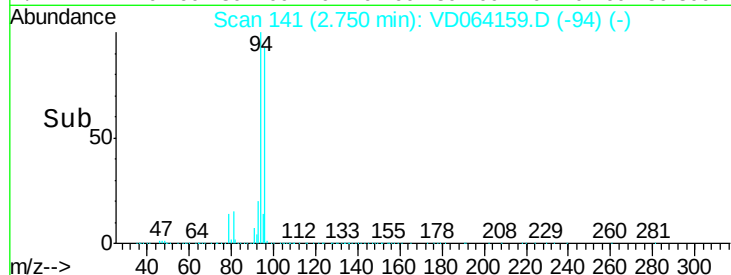
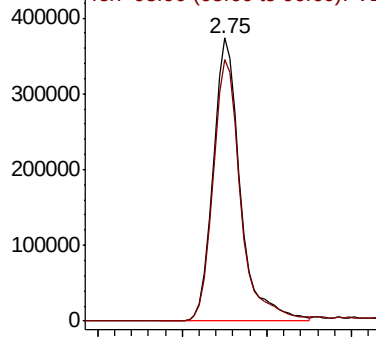
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 79.722 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064159.D

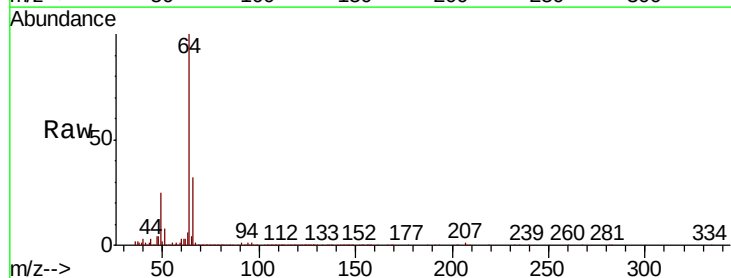
Acq: 08 Nov 2019 15:58

Tgt Ion: 64 Resp: 808673

Ion Ratio Lower Upper

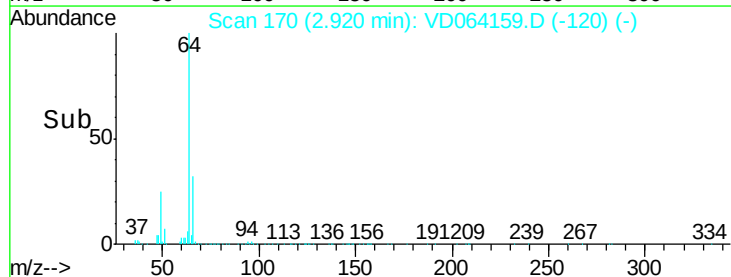
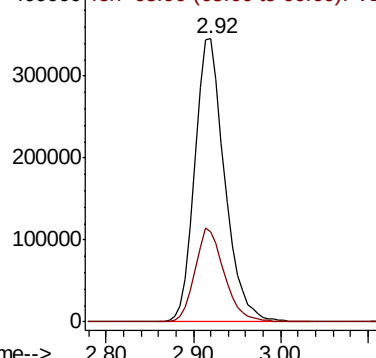
64 100

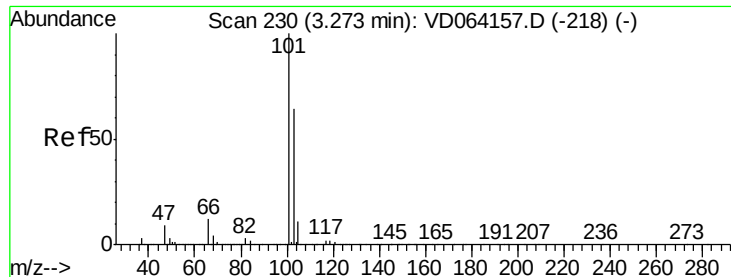
66 32.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

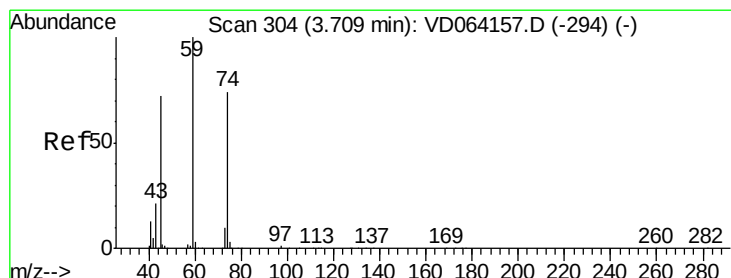
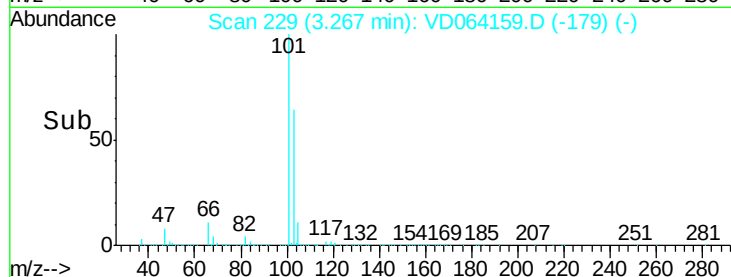
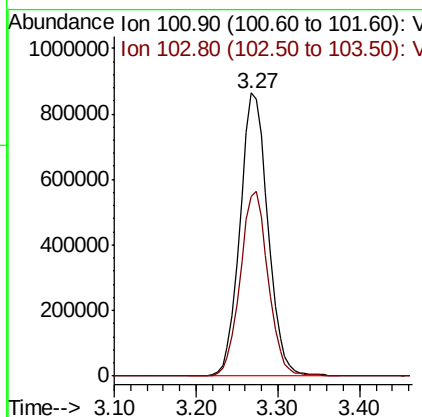
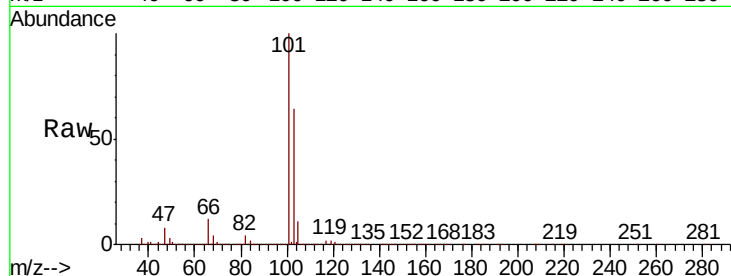
Trichlorofluoromethane
Concen: 90.403 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064159.D
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Tot Ion:101 Resp: 2057011
Ion Ratio Lower Upper
101 100
103 63.6 50.8 76.2

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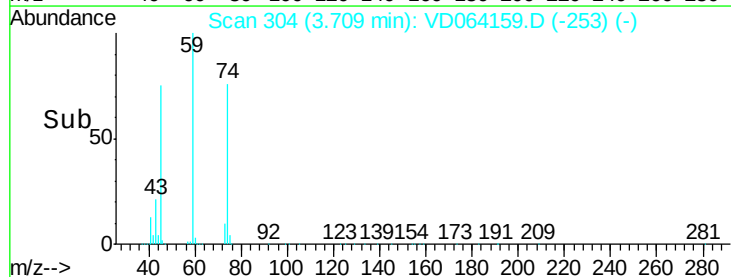
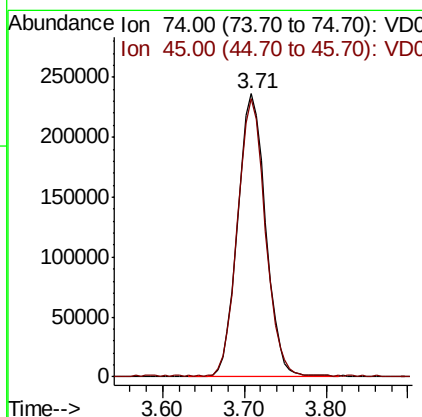
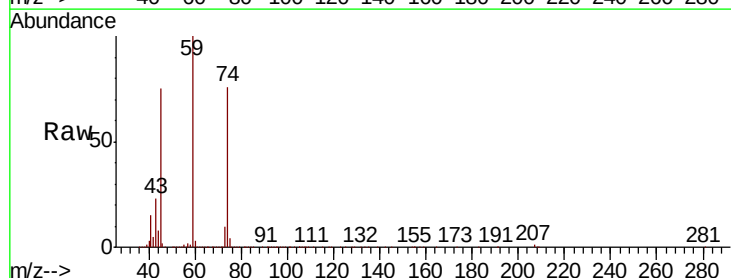
MMDadoda
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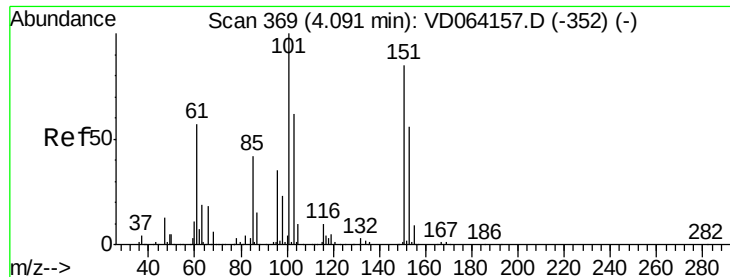


#8

Diethyl Ether
Concen: 133.271 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion: 74 Resp: 565878
Ion Ratio Lower Upper
74 100
45 96.6 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 134.327 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1172488

Ion Ratio Lower Upper

101 100

85 43.3 34.4 51.6

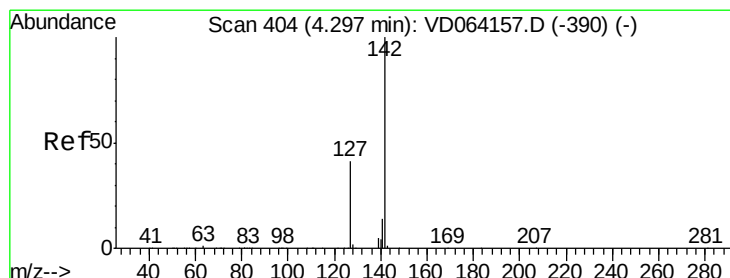
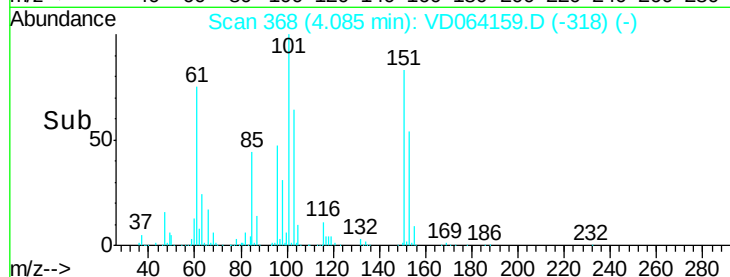
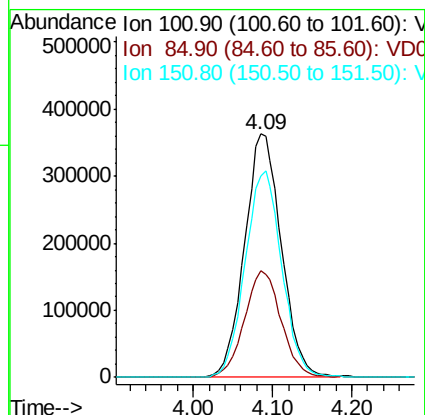
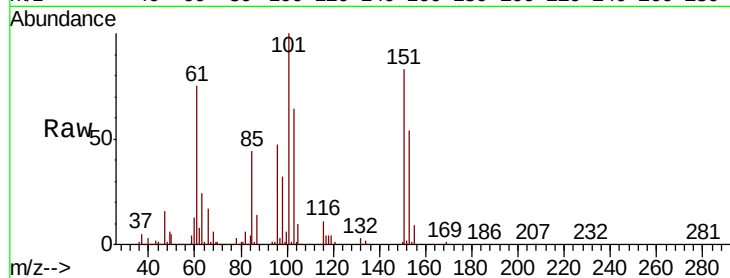
151 84.2 68.1 102.1

Manual Integrations

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#10

Methyl Iodide

Concen: 138.260 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

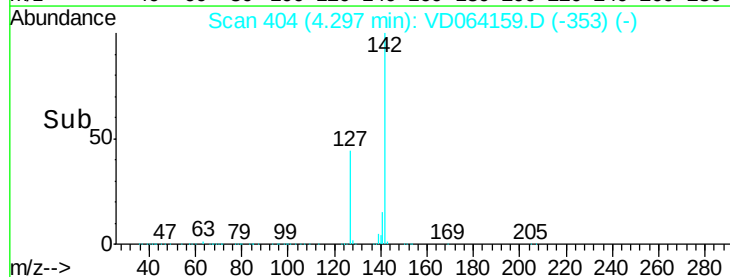
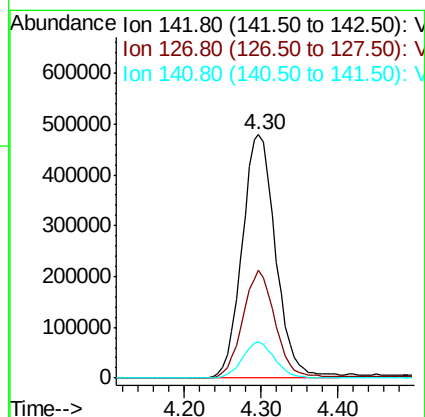
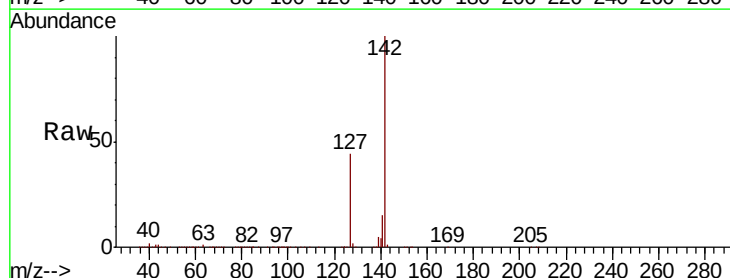
Tgt Ion:142 Resp: 1465514

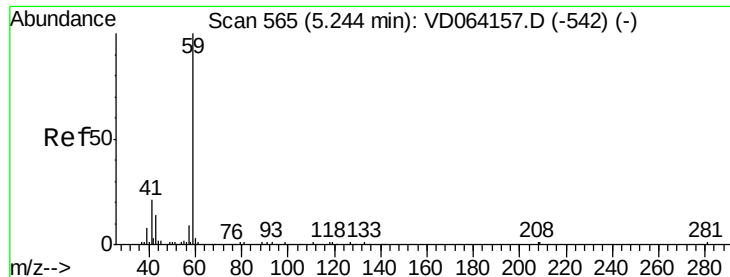
Ion Ratio Lower Upper

142 100

127 42.6 34.4 51.6

141 14.5 11.2 16.8





#11

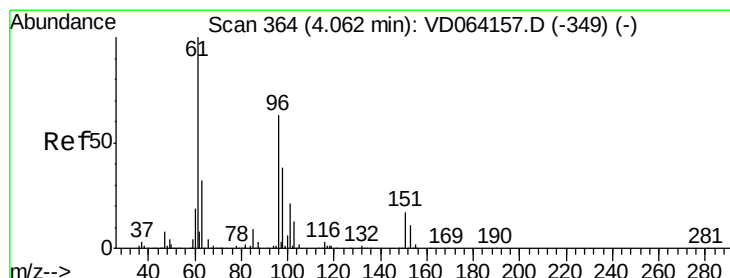
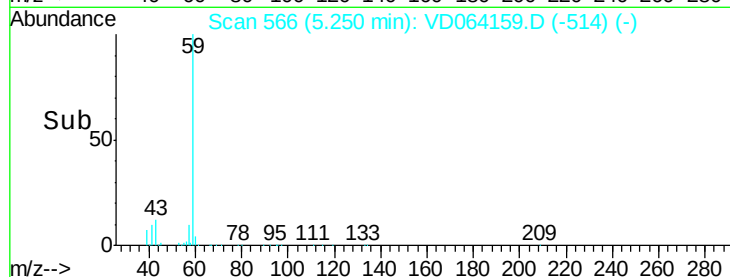
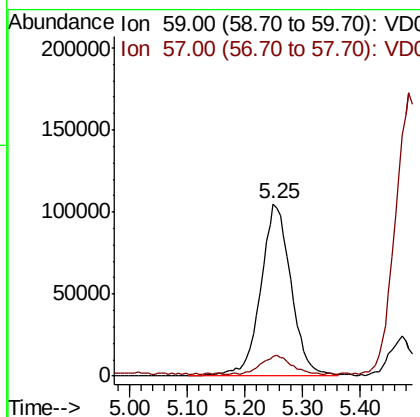
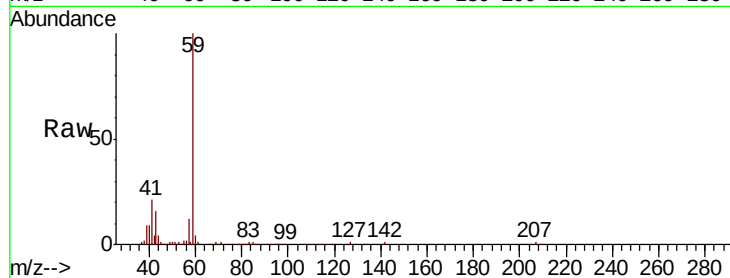
Tert butyl alcohol
Concen: 893.853 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.4	14.2

Manual Integrations
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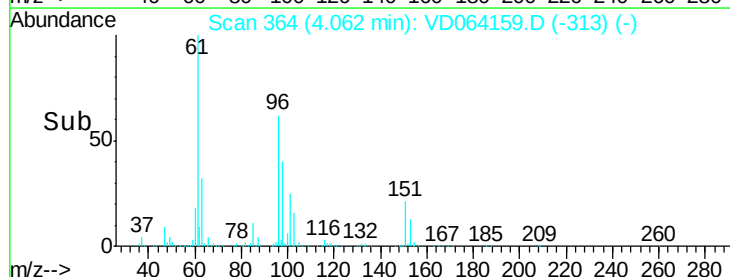
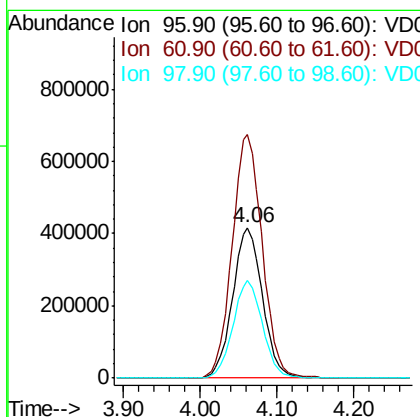
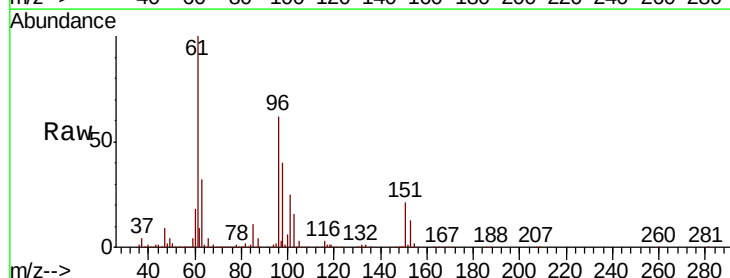
MMDadoda
11/13/2019 11:14:52 AM

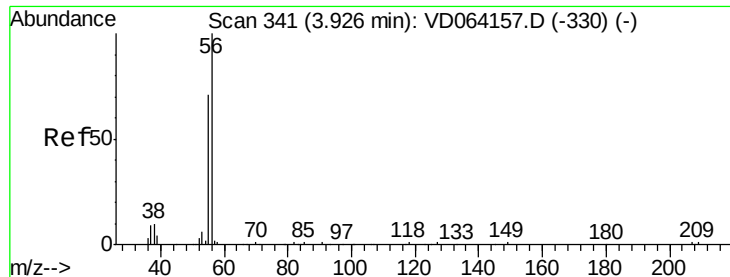


#12

1,1-Dichloroethene
Concen: 135.165 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.7	127.4	191.2
98	64.5	48.1	72.1





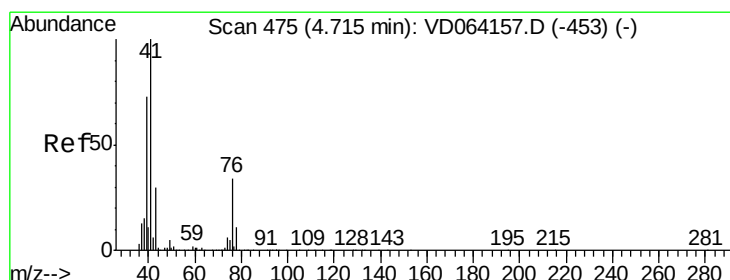
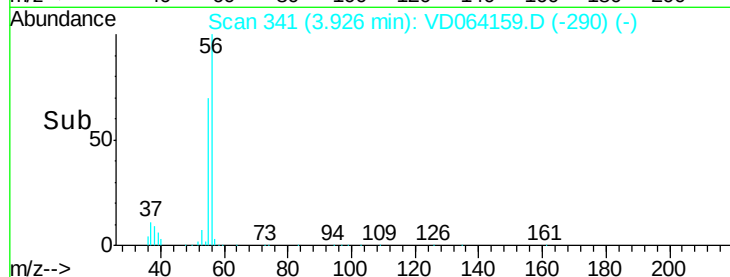
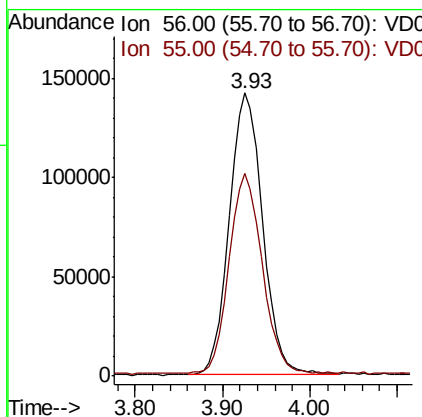
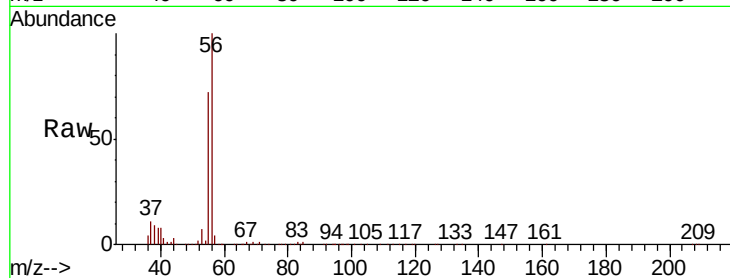
#13
Acrolein
Concen: 743.245 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.1	84.1

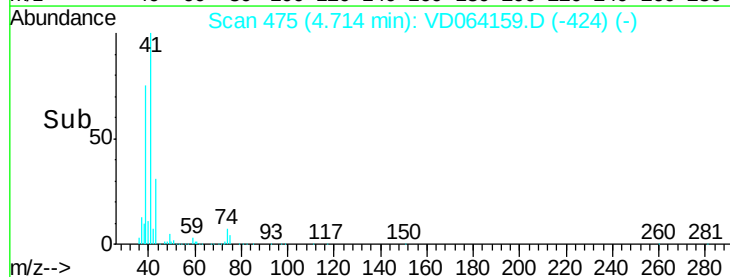
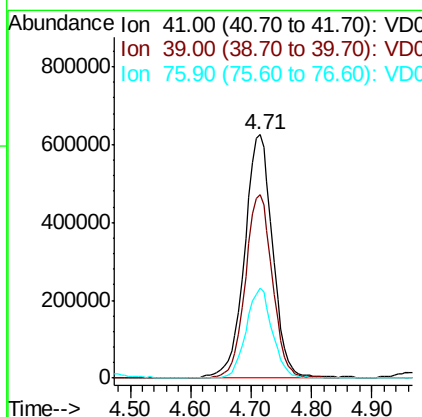
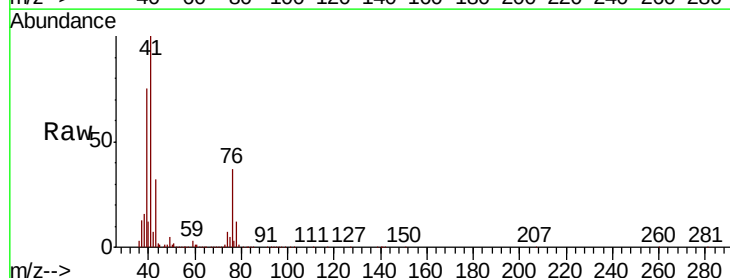
Manual Integrations
APPROVED

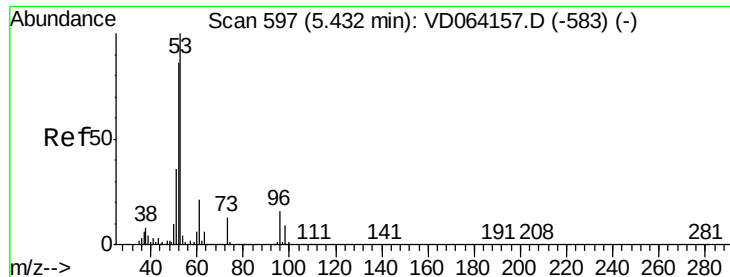
MMDadoda
11/13/2019 11:14:52 AM



#14
Allyl chloride
Concen: 189.433 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.9	57.5	86.3
76	34.0	26.8	40.2





#15

Acrylonitrile

Concen: 768.904 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1222604

Ion Ratio Lower Upper

53 100

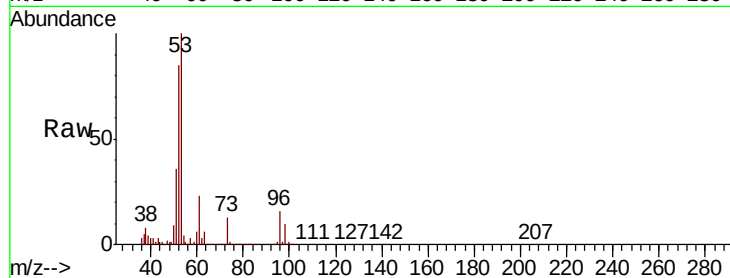
52 83.4 66.7 100.1

51 37.1 30.6 46.0

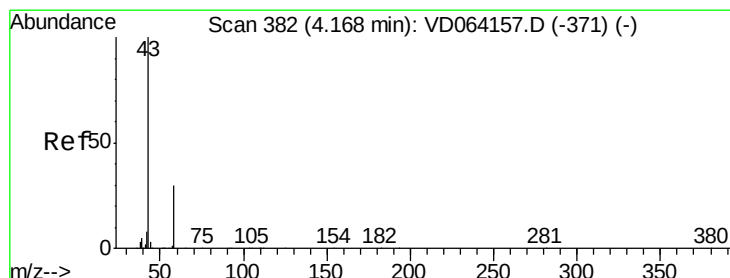
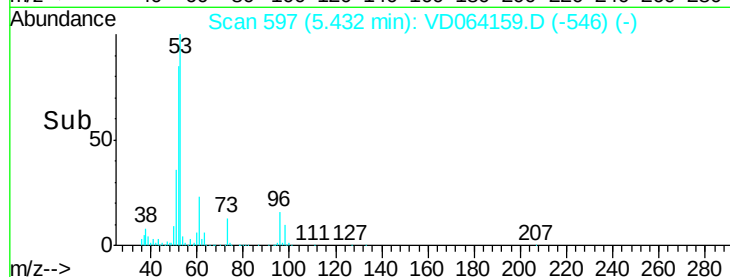
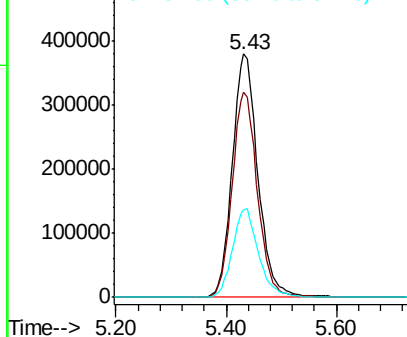
Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 897.157 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064159.D

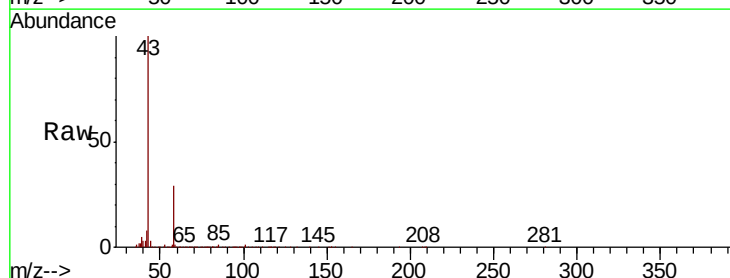
Acq: 08 Nov 2019 15:58

Tgt Ion: 43 Resp: 1351761

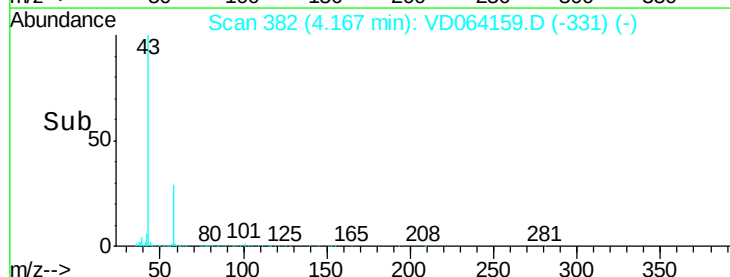
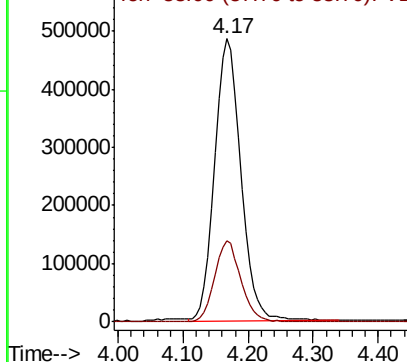
Ion Ratio Lower Upper

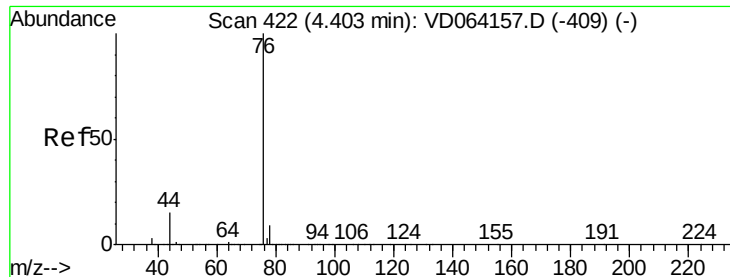
43 100

58 28.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 138.920 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 3554285

Ion Ratio Lower Upper

76 100

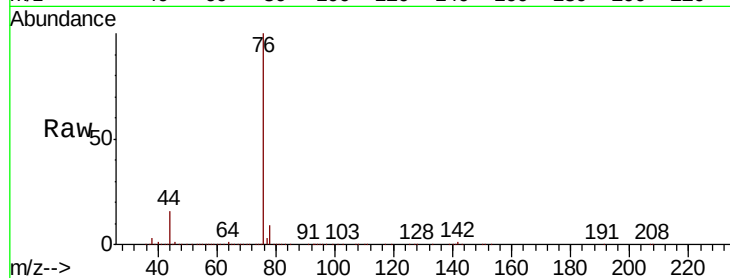
78 9.4 7.2 10.8

Manual Integrations

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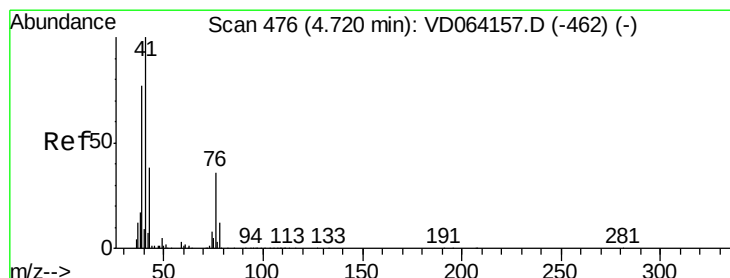
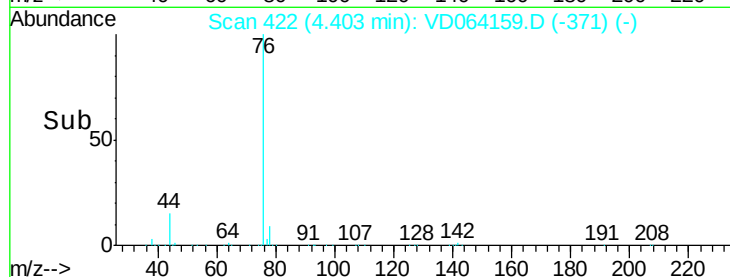
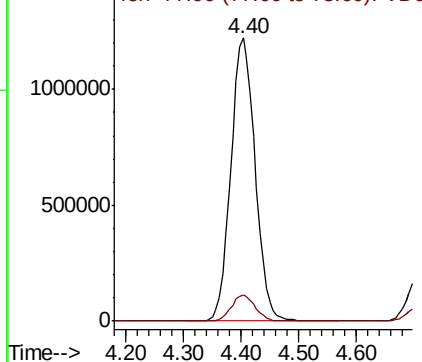
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 174.840 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064159.D

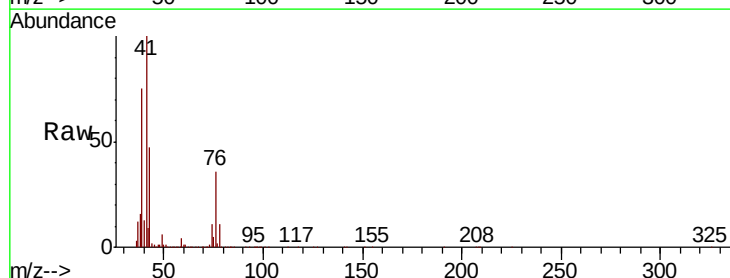
Acq: 08 Nov 2019 15:58

Tgt Ion: 43 Resp: 713171

Ion Ratio Lower Upper

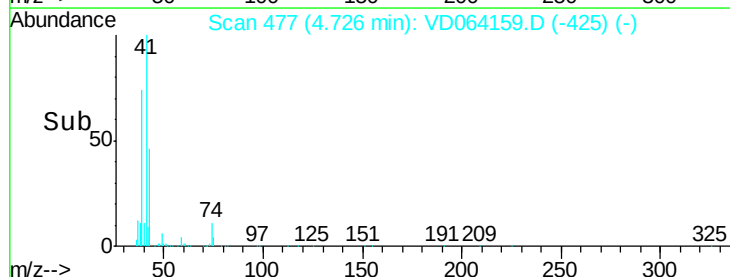
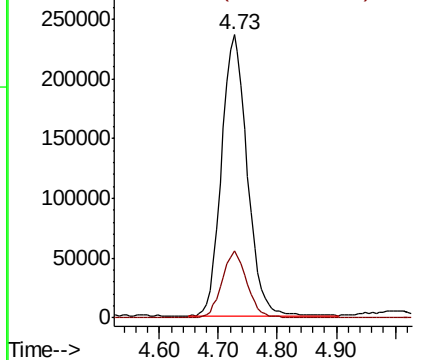
43 100

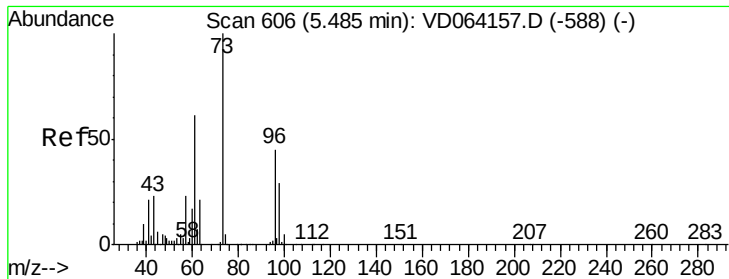
74 23.0 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

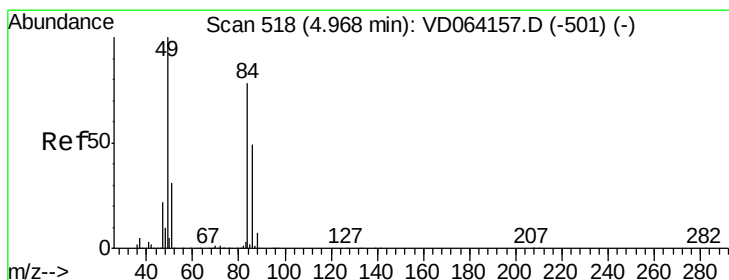
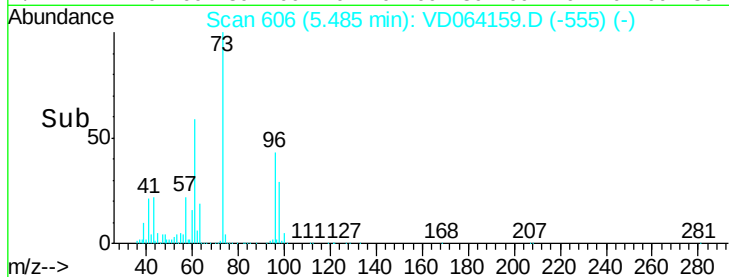
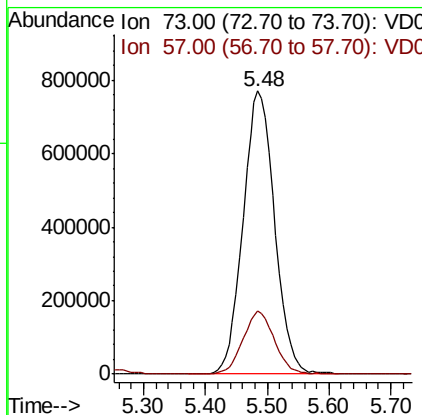
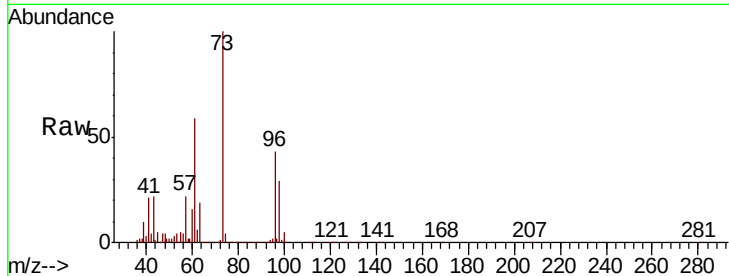
Methyl tert-butyl Ether
 Concen: 157.304 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 2728670
 Ion Ratio Lower Upper
 73 100
 57 22.2 18.4 27.6

Manual Integrations
 APPROVED

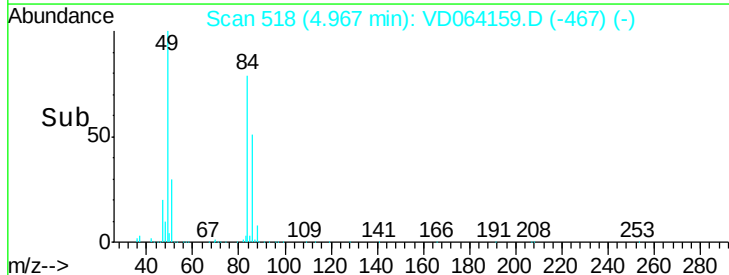
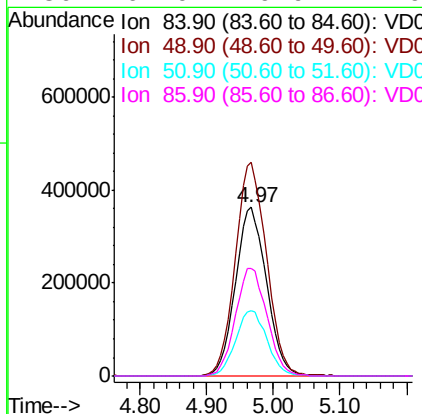
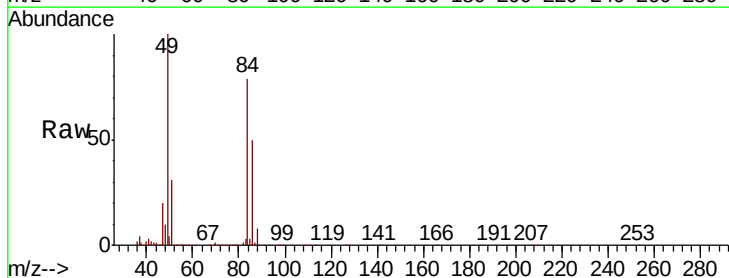
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 11/13/2019 11:14:52 AM

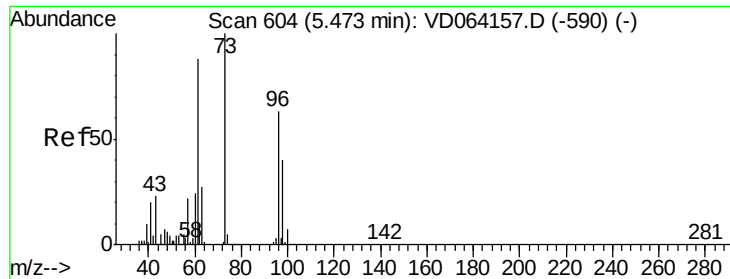


#20

Methylene Chloride
 Concen: 114.193 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion: 84 Resp: 1173797
 Ion Ratio Lower Upper
 84 100
 49 126.6 102.1 153.1
 51 38.6 32.2 48.2
 86 64.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 138.262 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1288722

Ion Ratio Lower Upper

96 100

61 137.1 111.8 167.6

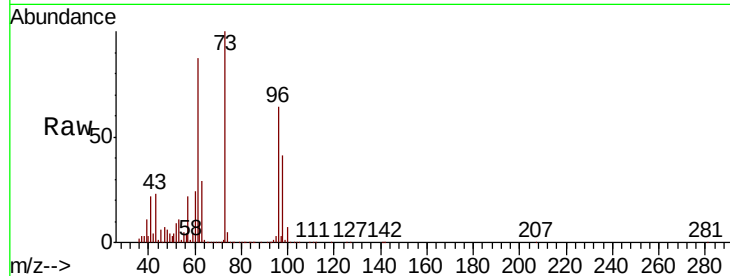
98 64.7 50.3 75.5

Manual Integrations

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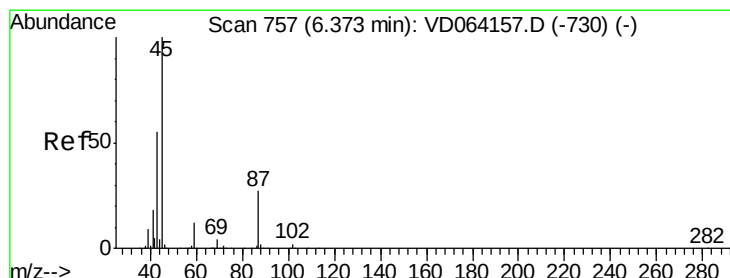
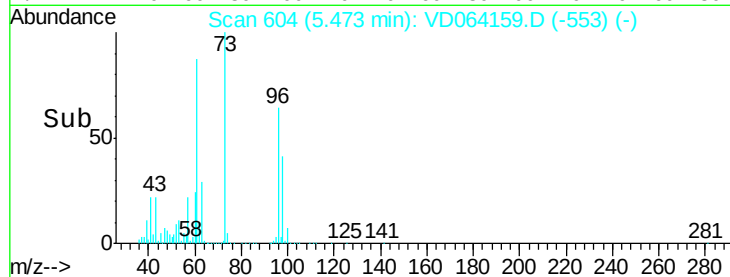
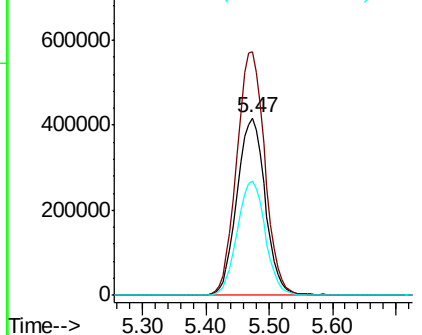
11/13/2019 11:14:52 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 165.312 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Tgt Ion: 45 Resp: 3704737

Ion Ratio Lower Upper

45 100

43 52.8 44.4 66.6

87 27.5 21.9 32.9

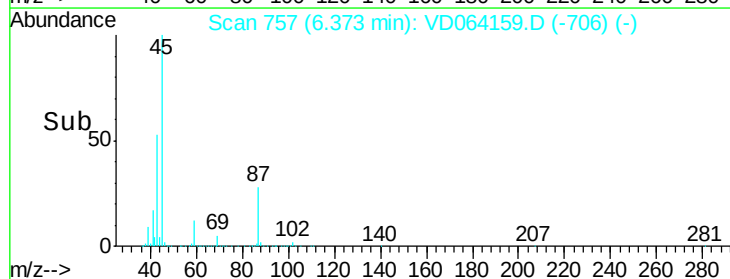
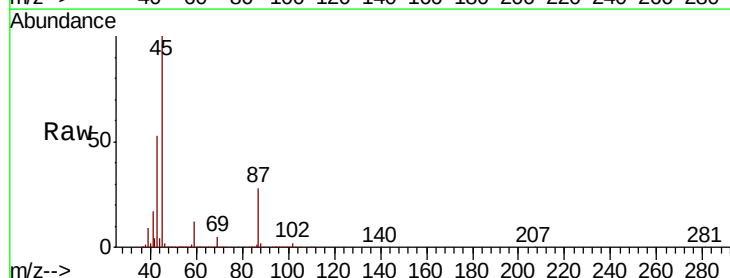
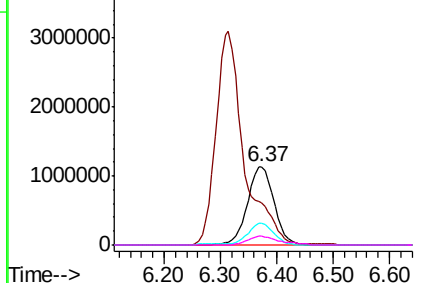
59 11.4 9.4 14.2

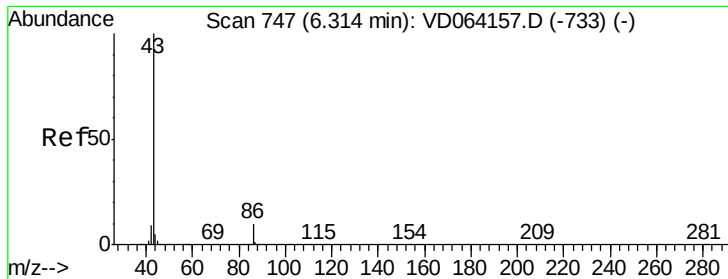
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 868.763 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp:10710433

Ion Ratio Lower Upper

43 100

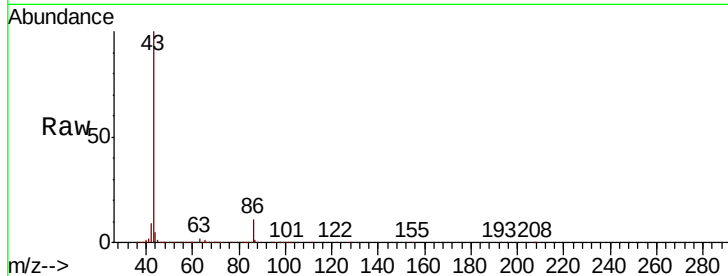
86 10.9 8.2 12.2

Manual Integrations

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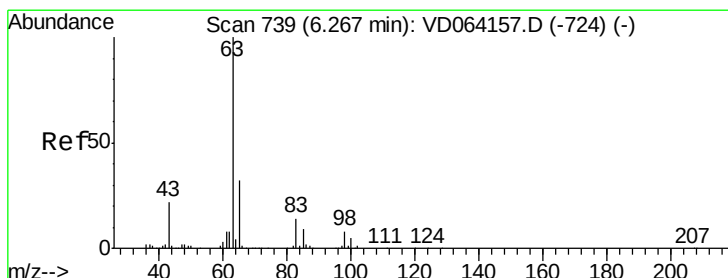
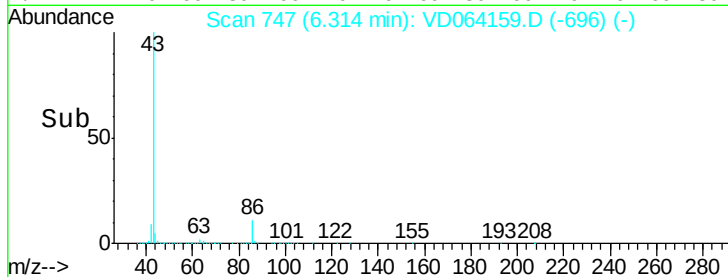
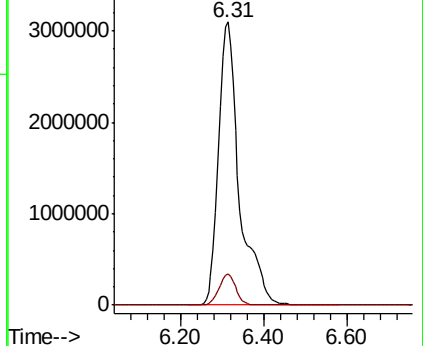
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 146.588 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

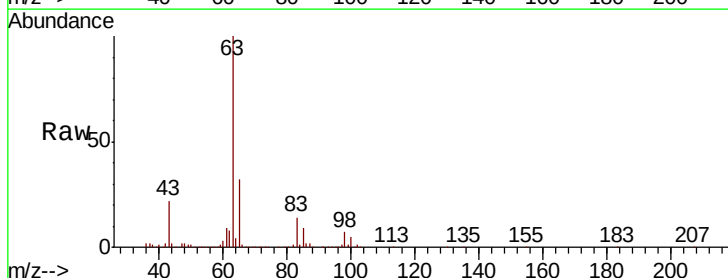
Tgt Ion: 63 Resp: 2161583

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

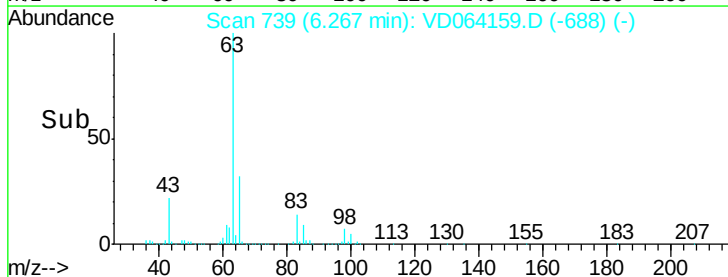
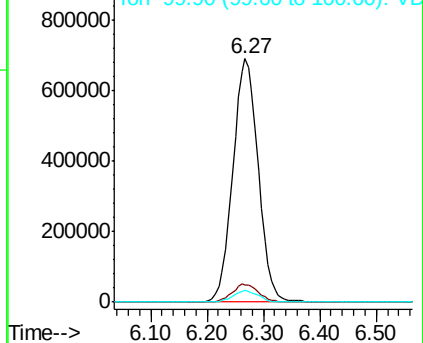
100 4.7 2.4 7.2

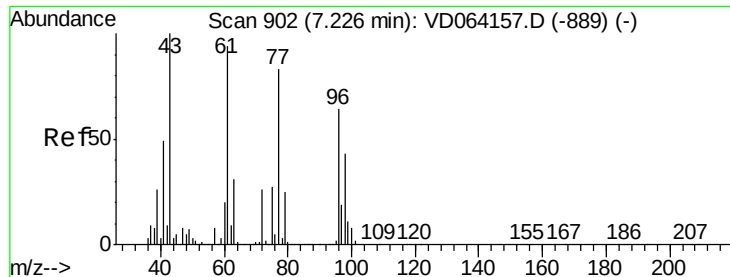


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 829.914 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1716515

Ion Ratio Lower Upper

43 100

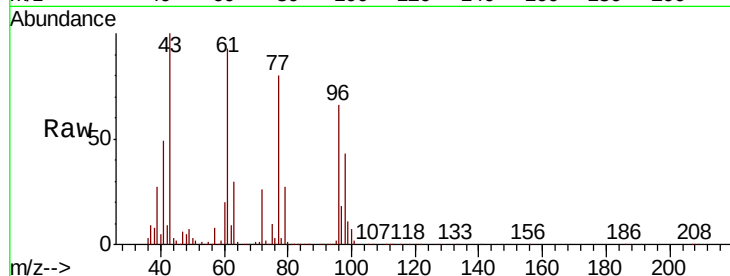
72 26.5 20.6 30.8

Manual Integrations

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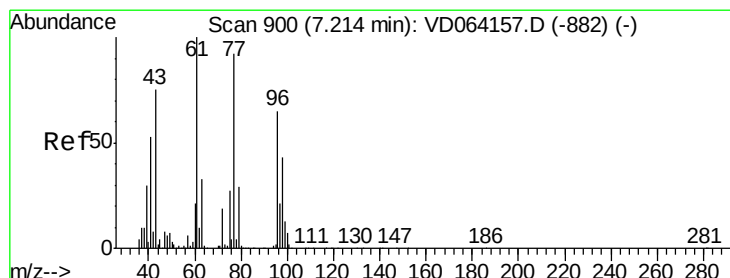
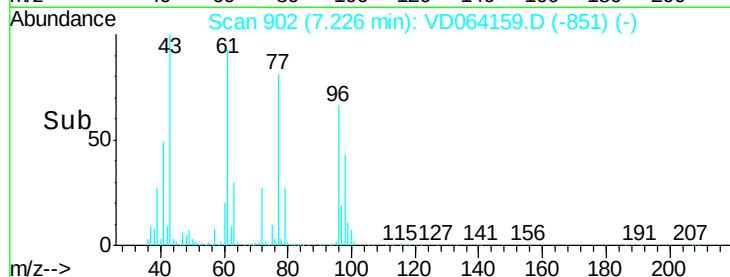
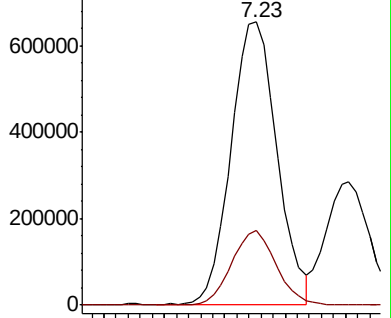
MMDadoda

11/13/2019 11:14:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 147.467 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064159.D

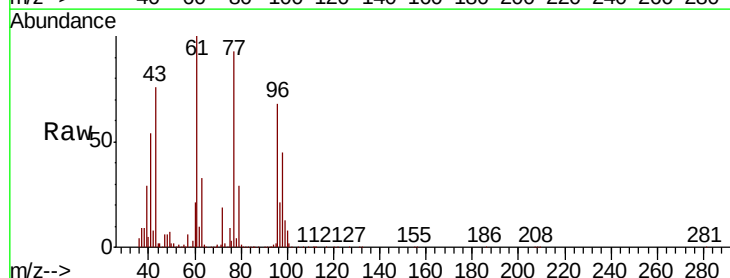
Acq: 08 Nov 2019 15:58

Tgt Ion: 77 Resp: 2073180

Ion Ratio Lower Upper

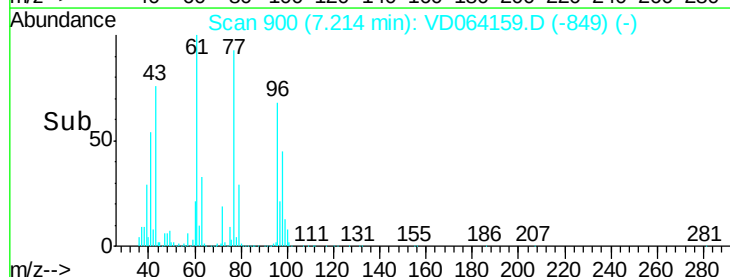
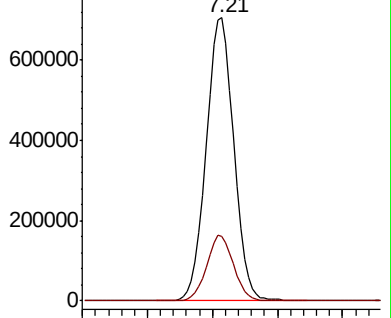
77 100

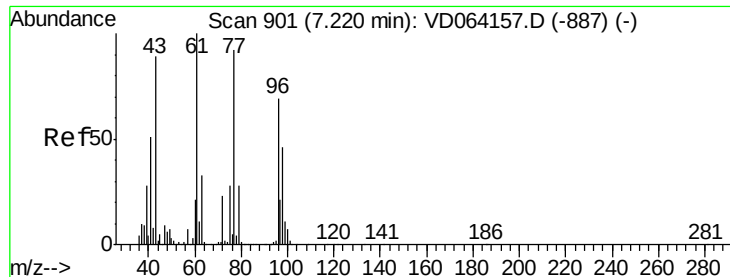
97 22.5 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

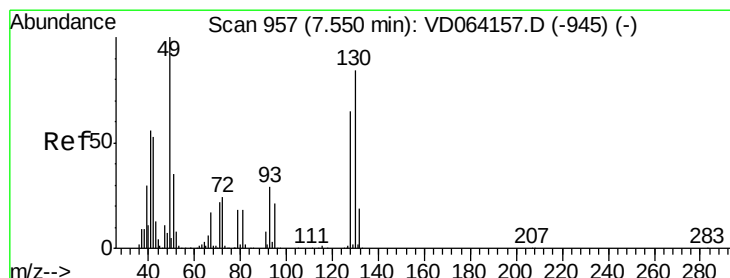
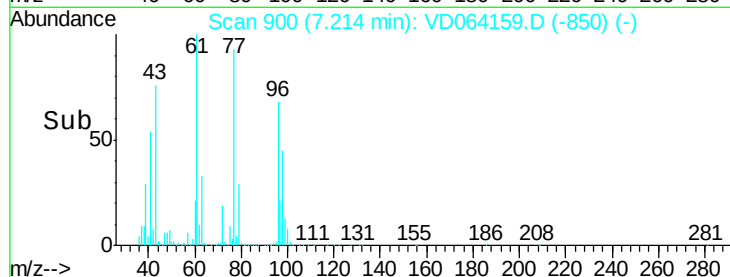
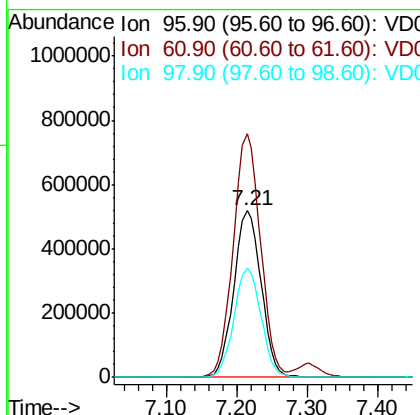
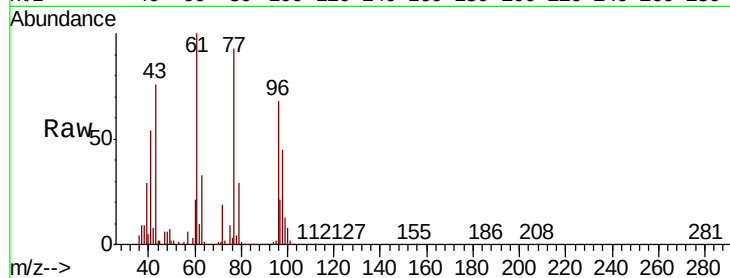
cis-1,2-Dichloroethene
Concen: 134.719 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	301.4
98	65.2	0.0	133.2

Manual Integrations
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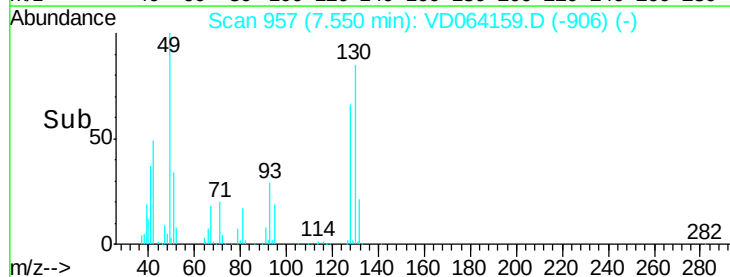
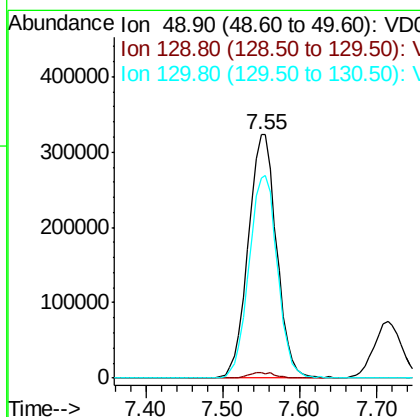
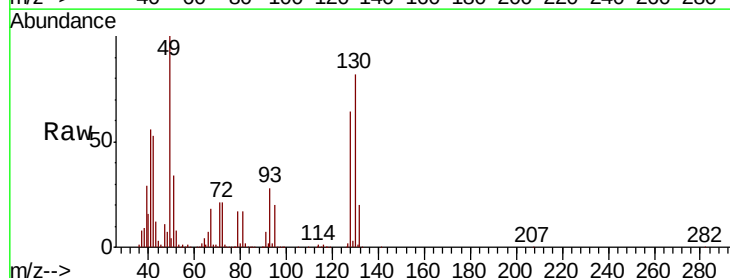
MMDadoda
11/13/2019 11:14:52 AM

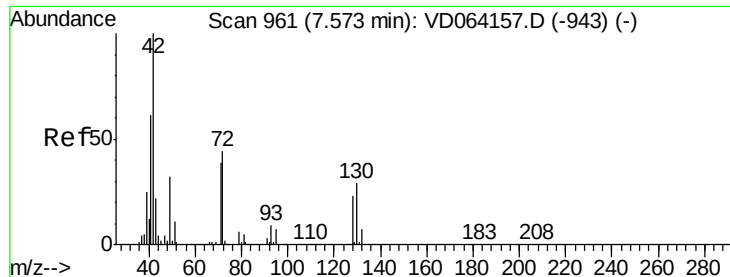


#28

Bromochloromethane
Concen: 157.586 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	83.5	66.8	100.2





#29

Tetrahydrofuran

Concen: 841.147 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 42 Resp: 1023490

Ion Ratio Lower Upper

42 100

72 42.1 33.4 50.2

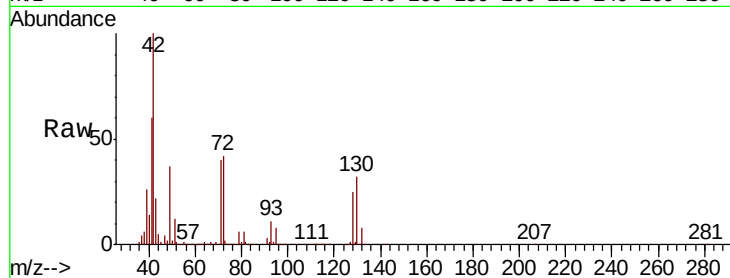
71 39.3 31.0 46.4

Manual Integrations

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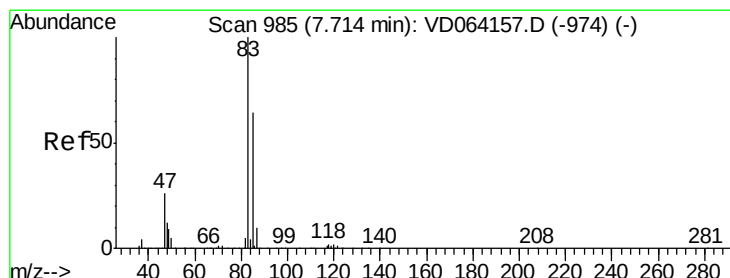
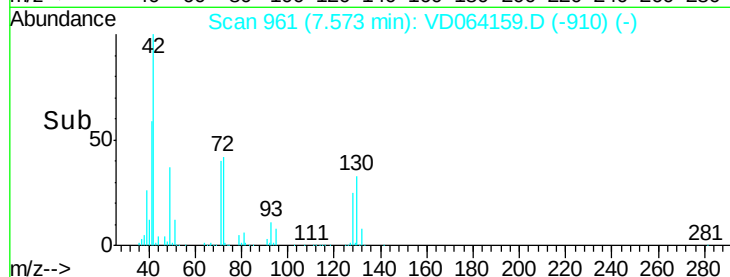
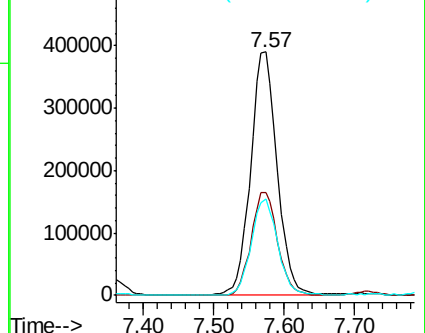
11/13/2019 11:14:52 AM



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 132.291 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064159.D

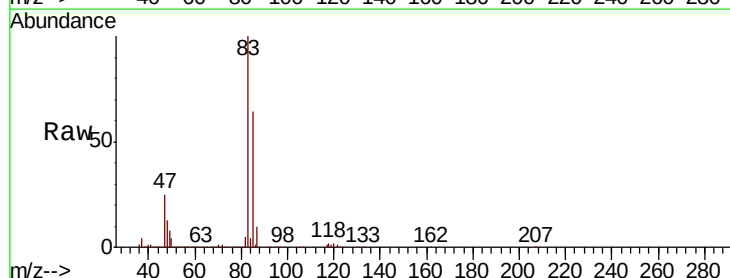
Acq: 08 Nov 2019 15:58

Tgt Ion: 83 Resp: 2195168

Ion Ratio Lower Upper

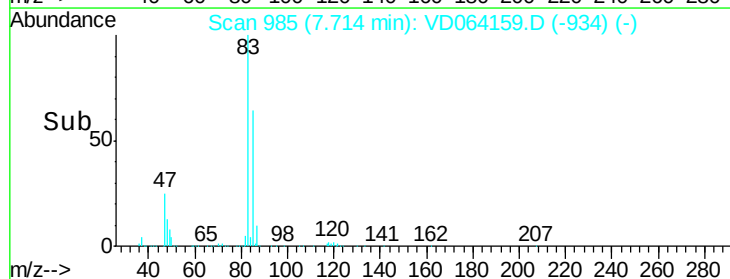
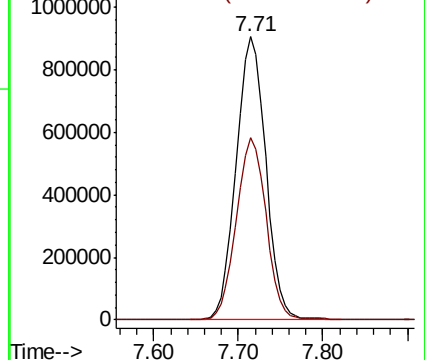
83 100

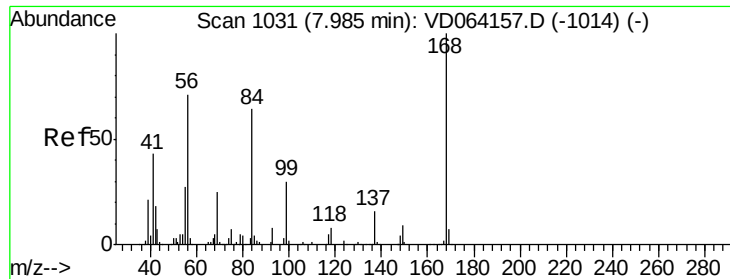
85 64.3 51.4 77.0



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





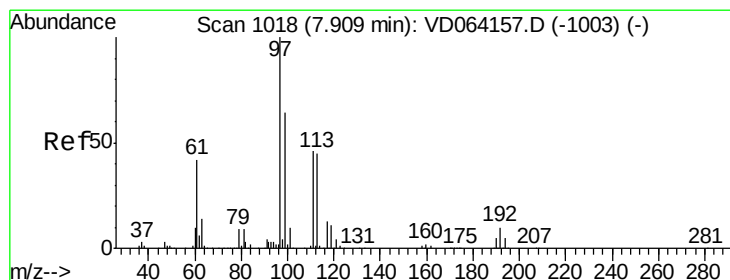
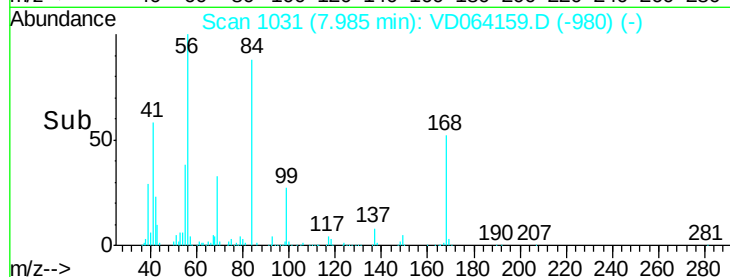
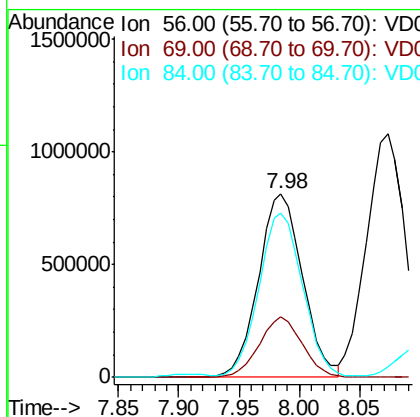
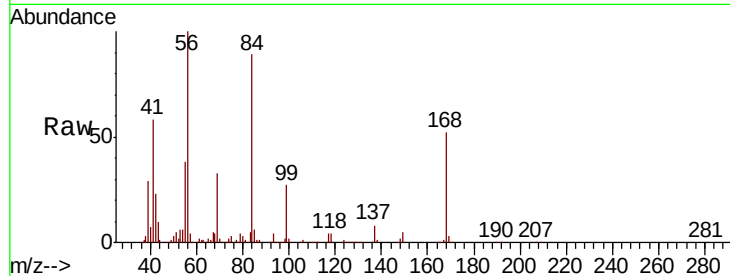
#31
Cyclohexane
Concen: 143.253 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampled :
VSTDIC150

Tot Ion: 56 Resp: 2067909
Ion Ratio Lower Upper
56 100
69 32.8 28.2 42.4
84 87.3 71.8 107.6

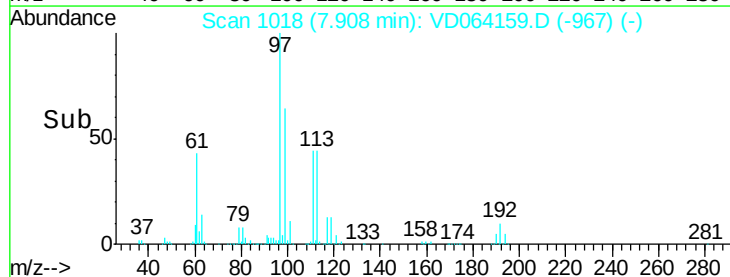
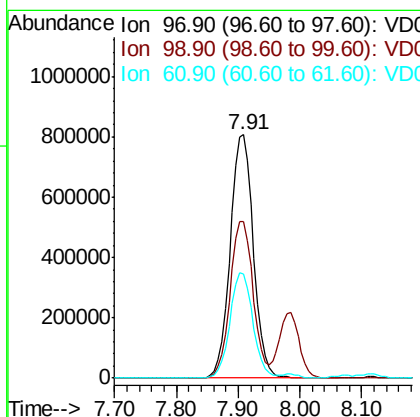
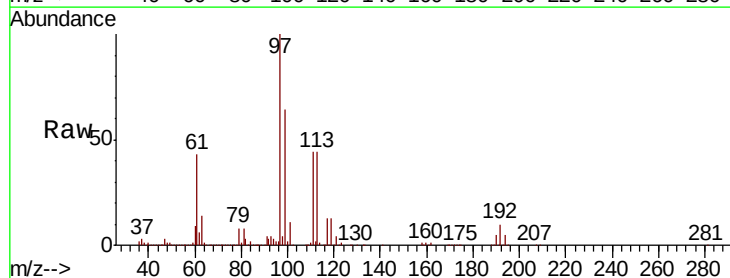
Manual Integrations
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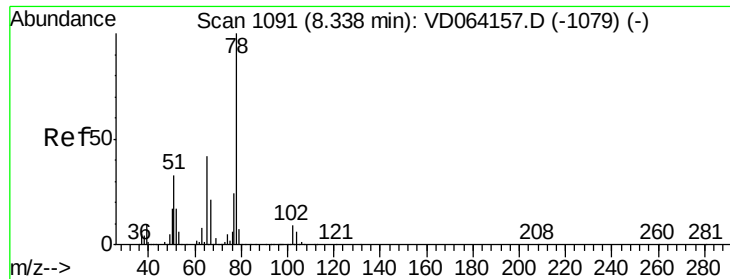
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 135.277 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion: 97 Resp: 2093448
Ion Ratio Lower Upper
97 100
99 64.6 51.6 77.4
61 43.0 34.2 51.2





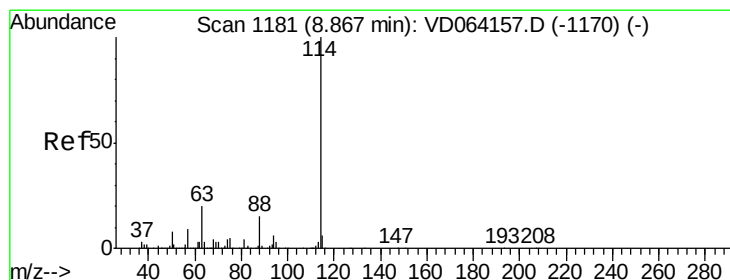
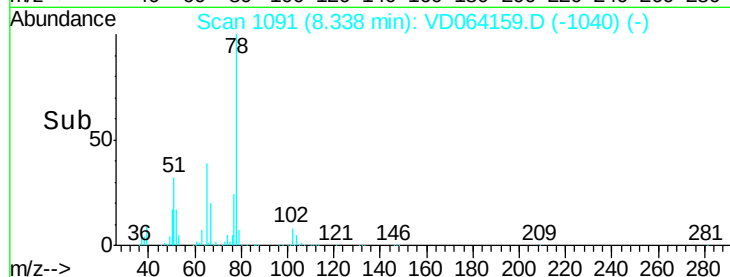
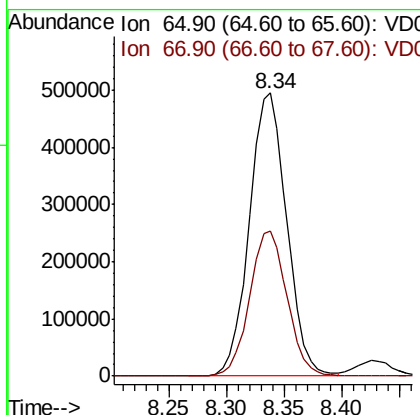
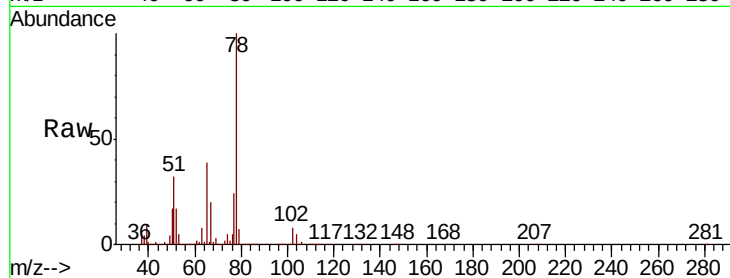
#33
 1,2-Dichloroethane-d4
 Concen: 144.055 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	104.4

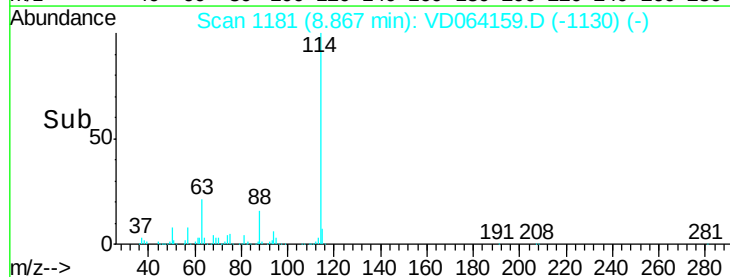
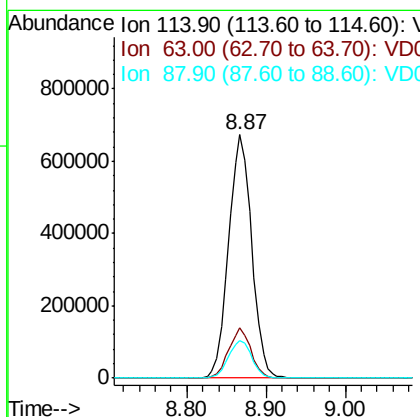
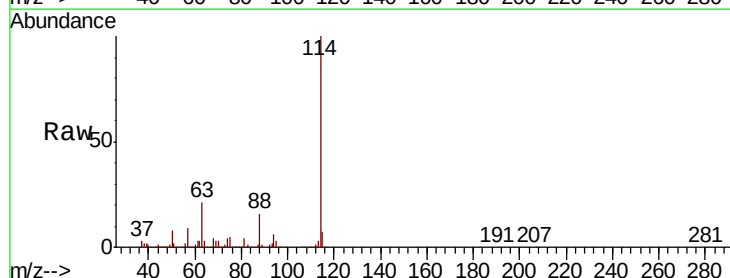
Manual Integrations
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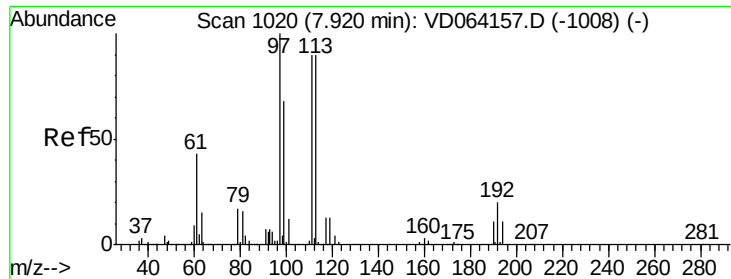
MMDadoda
 11/13/2019 11:14:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.0
88	15.6	0.0	30.2





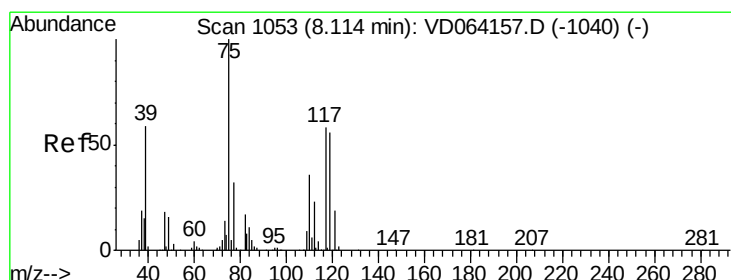
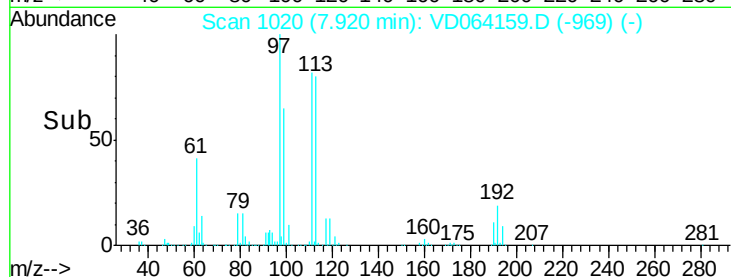
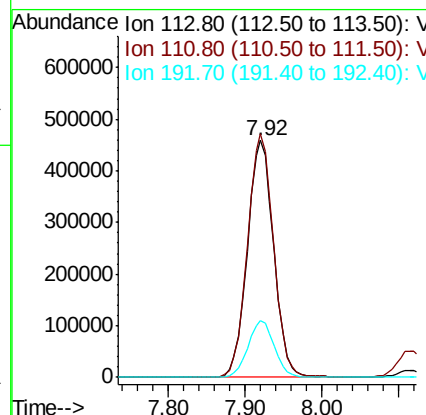
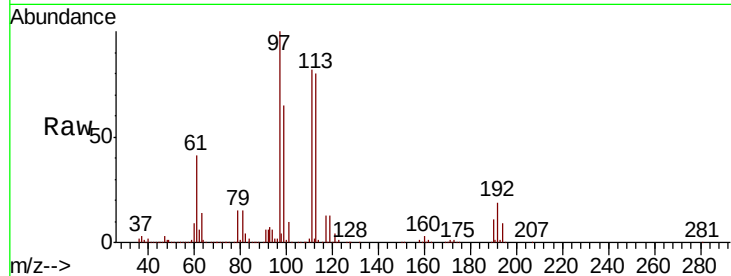
#35
 Dibromofluoromethane
 Concen: 132.107 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.5	122.3
192	24.0	18.8	28.2

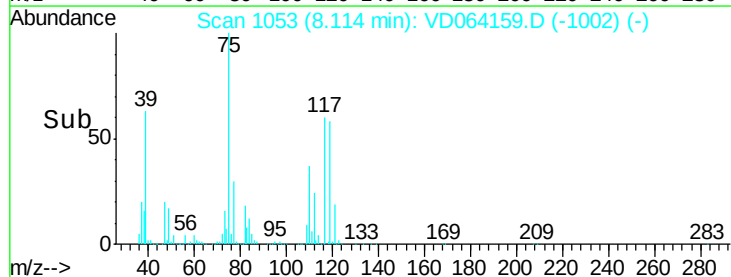
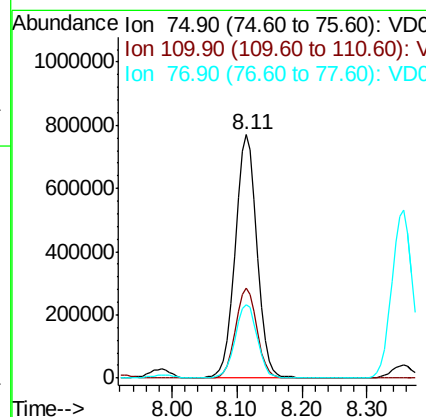
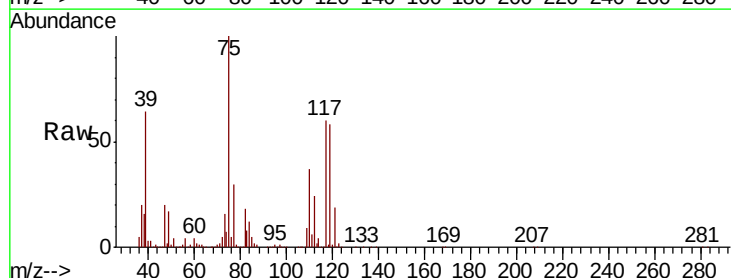
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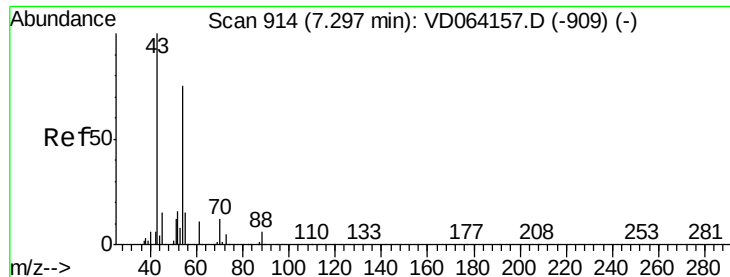
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#36
 1,1-Dichloropropene
 Concen: 138.874 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.3	54.9
77	30.9	25.0	37.6





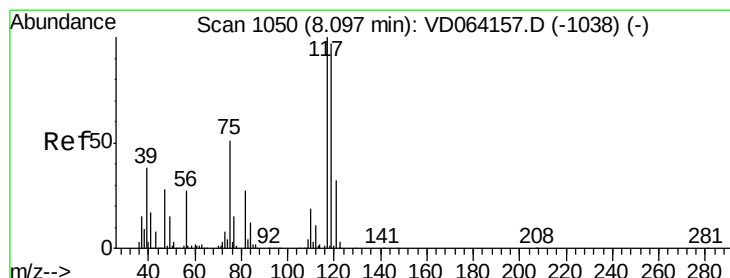
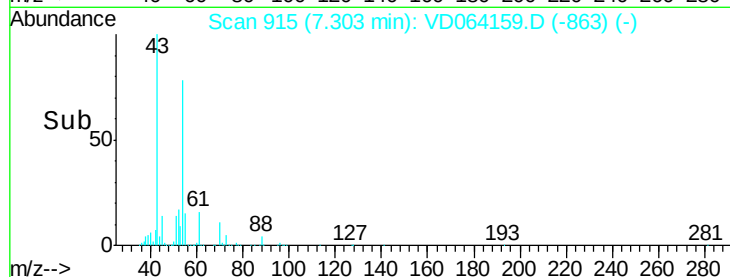
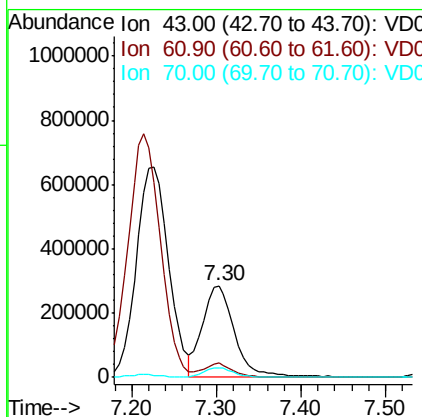
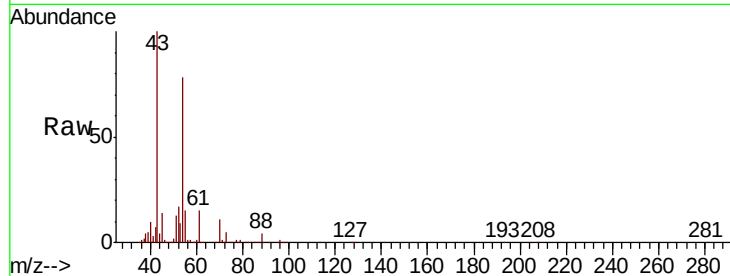
#37
Ethyl Acetate
Concen: 178.906 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleID :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.2	15.2
70	9.9	8.5	12.7

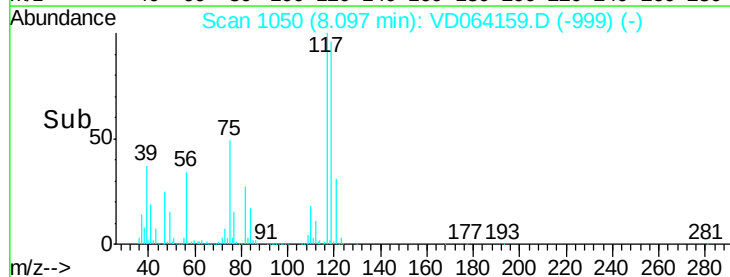
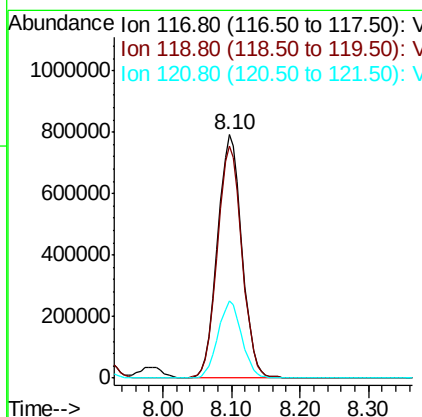
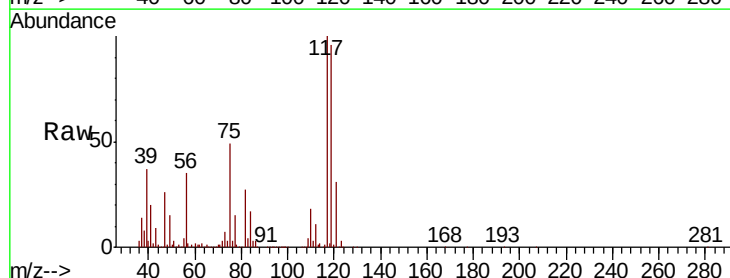
Manual Integrations
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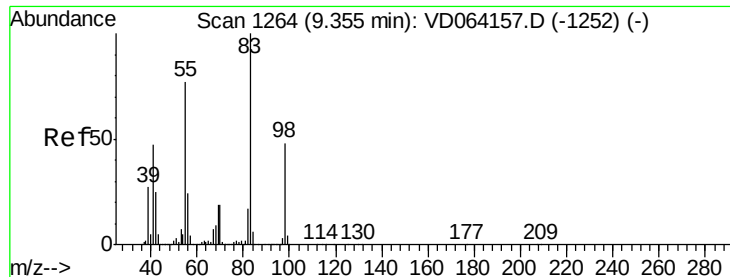
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#38
Carbon Tetrachloride
Concen: 140.688 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.2	115.8
121	31.5	25.5	38.3





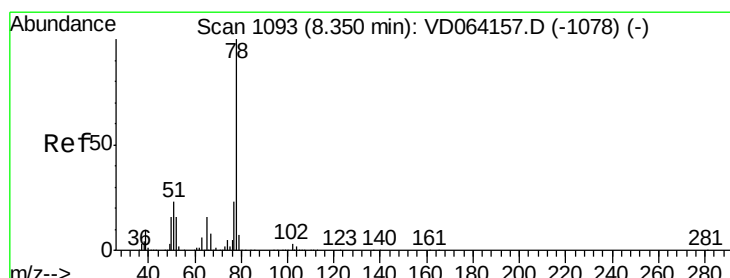
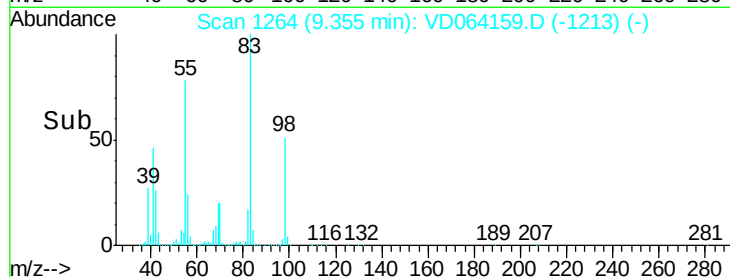
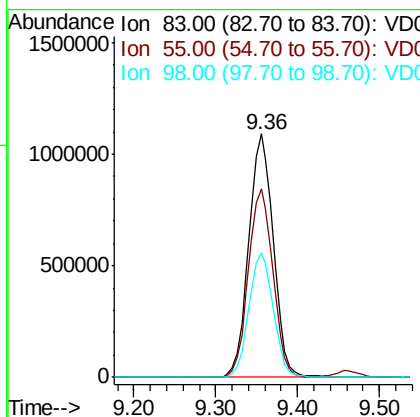
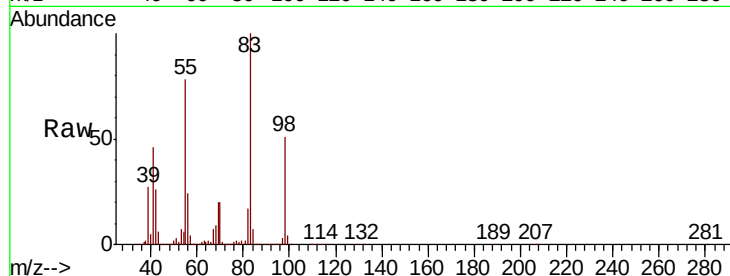
#39
Methylvlcyclohexane
Concen: 146.338 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	61.7	92.5
98	51.2	38.6	58.0

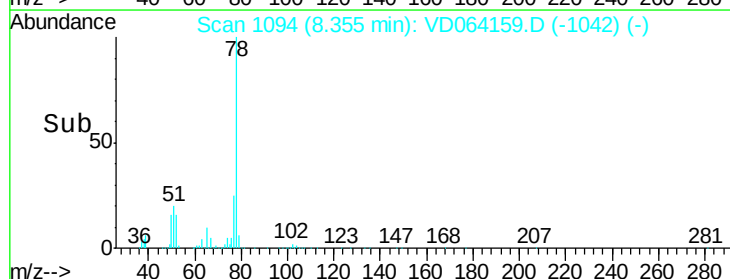
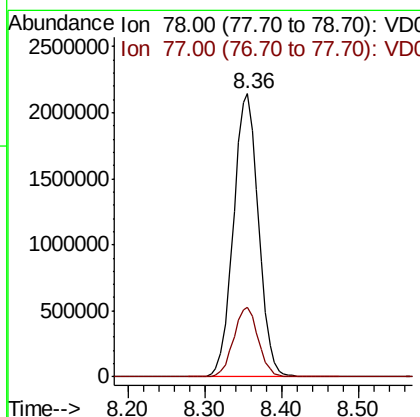
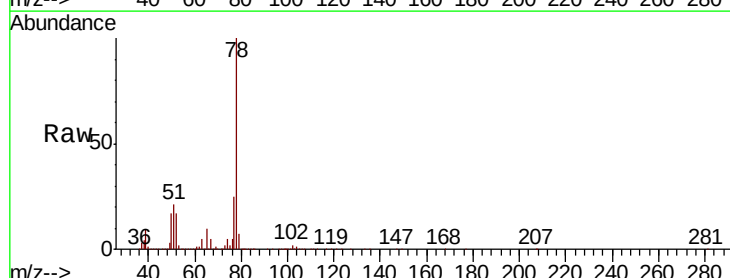
Manual Integrations
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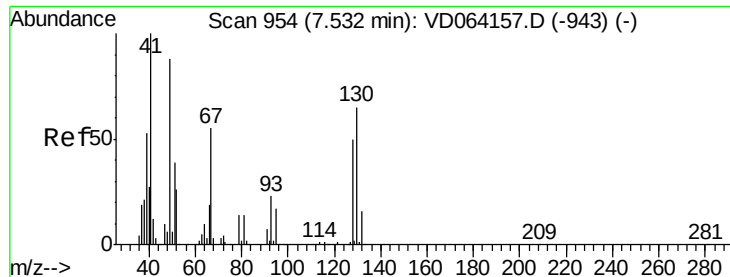
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#40
Benzene
Concen: 141.106 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.6	28.0





#41

Methacrylonitrile

Concen: 200.082 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 494057
Ion Ratio Lower Upper

41 100

39 54.2 49.4 74.2

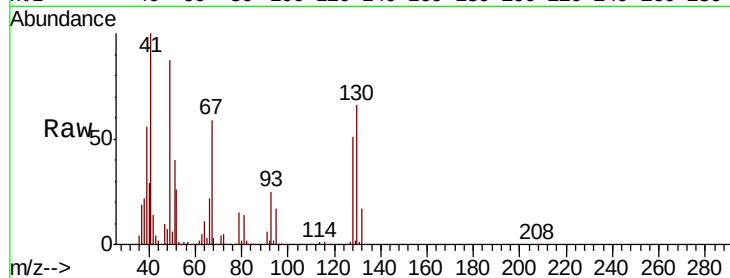
67 61.6 49.6 74.4

52 26.7 21.4 32.0

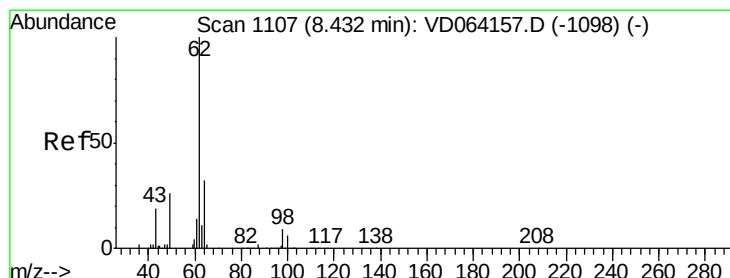
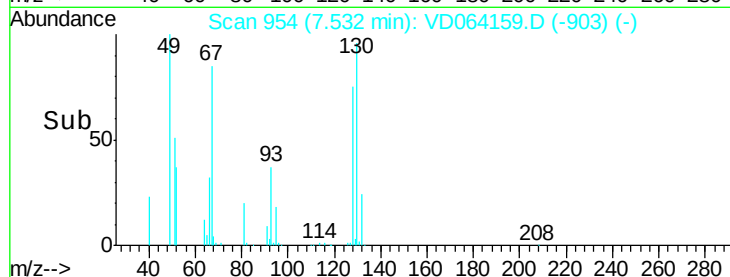
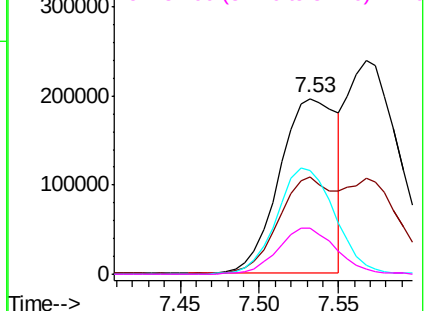
Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 155.632 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

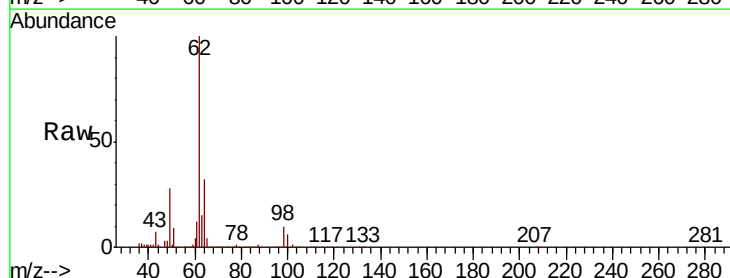
Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

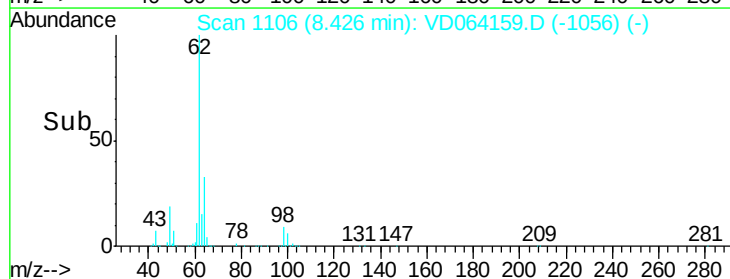
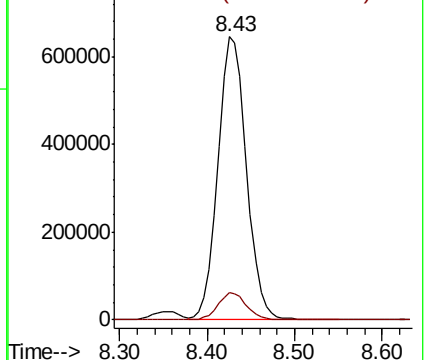
Tgt Ion: 62 Resp: 1448031
Ion Ratio Lower Upper

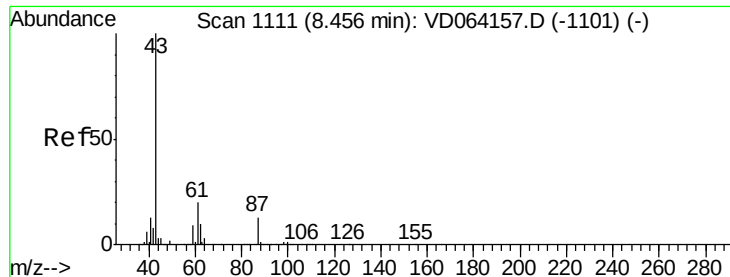
62 100

98 9.4 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 182.753 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1539173

Ion Ratio Lower Upper

43 100

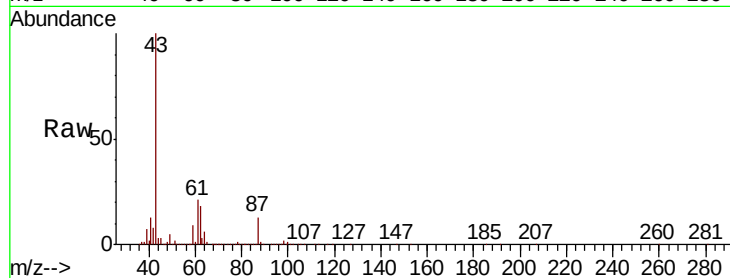
61 28.8 22.9 34.3

87 13.0 10.2 15.2

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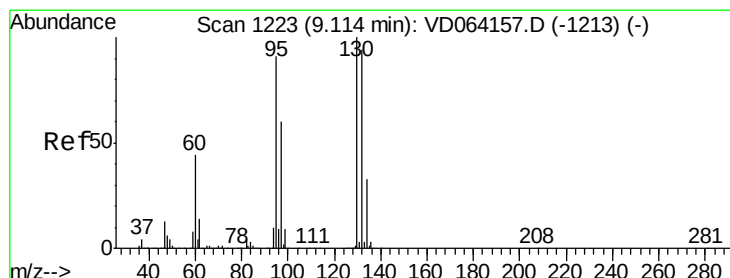
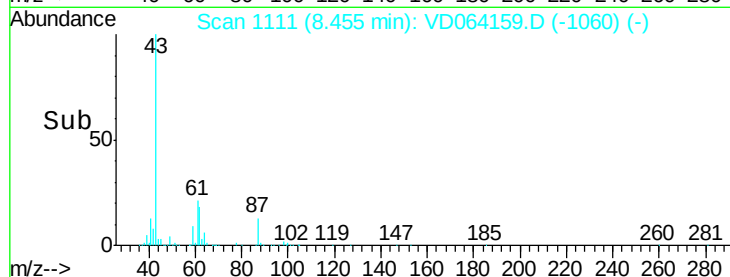
11/13/2019 11:14:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

8.46

Time-->



#44

Trichloroethene

Concen: 138.846 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064159.D

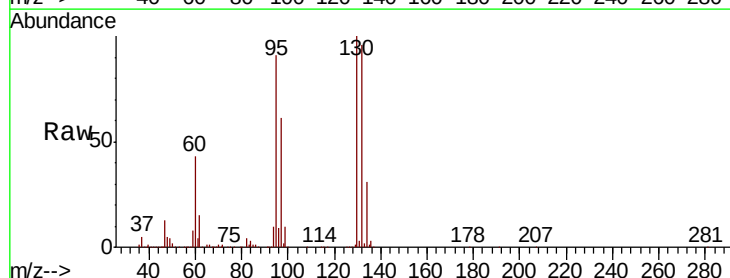
Acq: 08 Nov 2019 15:58

Tgt Ion:130 Resp: 1451228

Ion Ratio Lower Upper

130 100

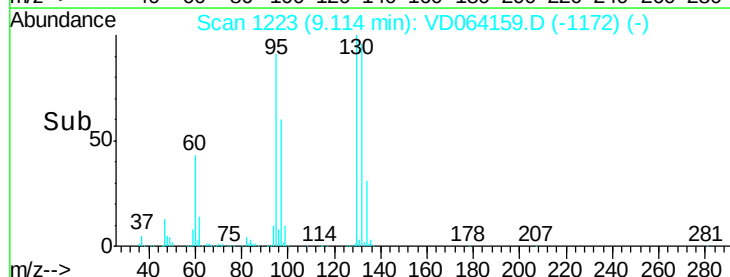
95 90.7 0.0 181.6

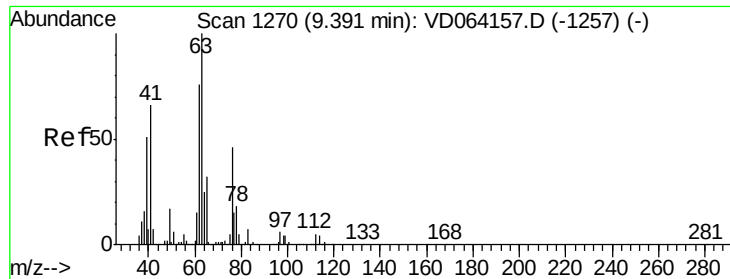


Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

9.11

Time-->





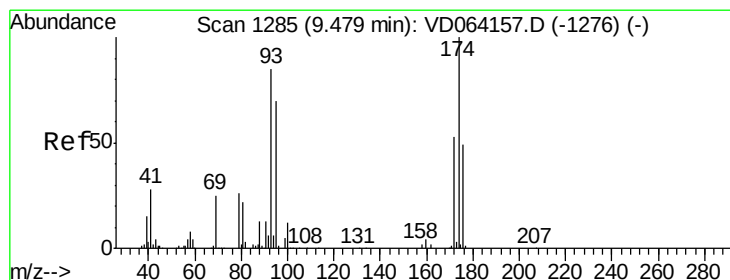
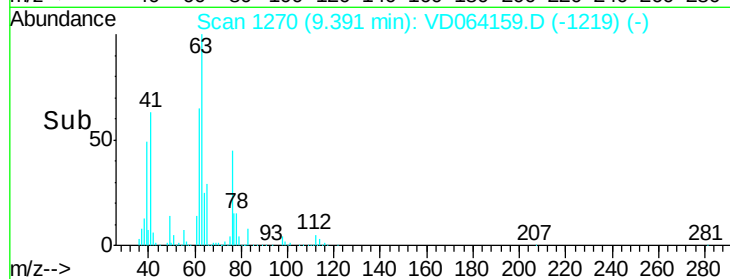
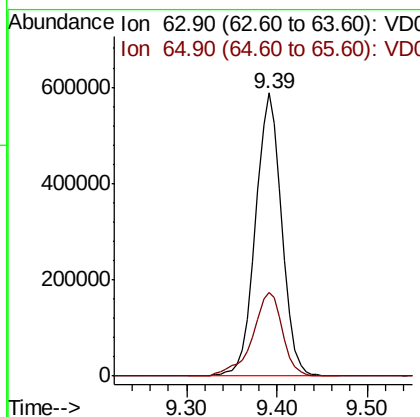
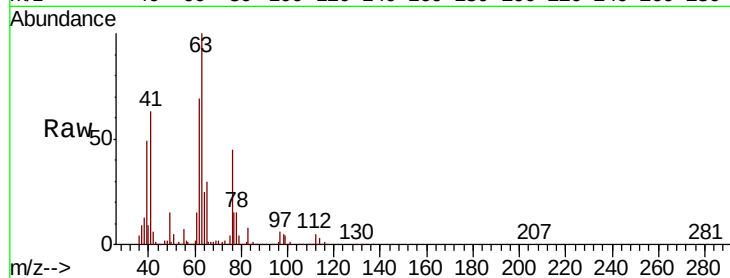
#45
 1,2-Dichloropropane
 Concen: 145.270 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1178702
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.7 38.5

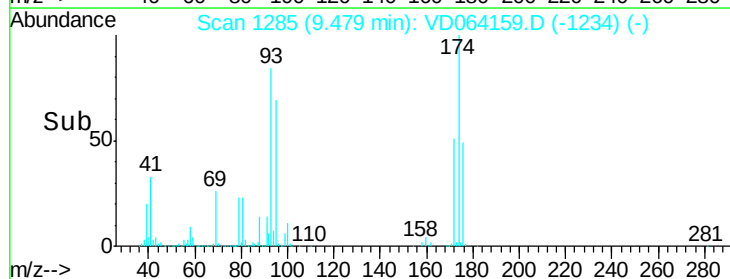
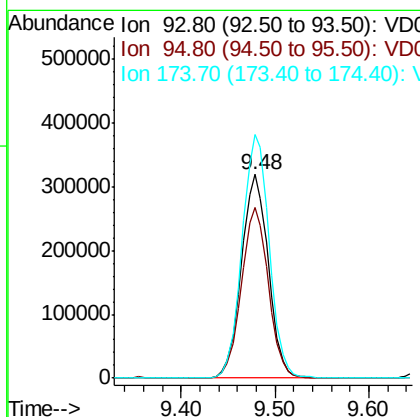
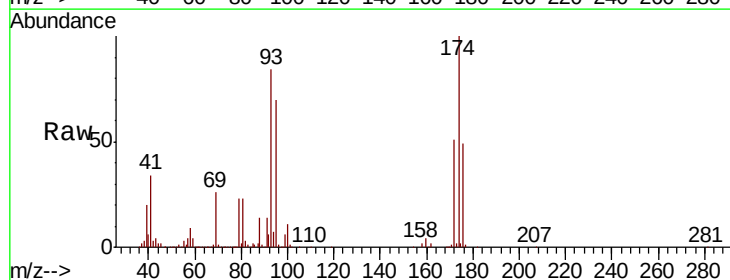
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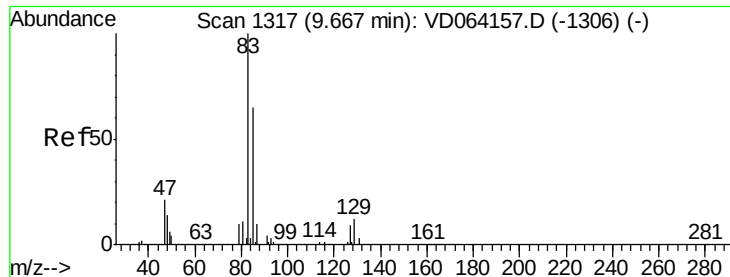
MMDadoda
 11/13/2019 11:14:52 AM



#46
 Dibromomethane
 Concen: 133.222 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion: 93 Resp: 634585
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.5 98.3
 174 120.1 93.9 140.9





#47

Bromodichloromethane

Concen: 140.920 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1708615

Ion Ratio Lower Upper

83 100

85 63.9 52.2 78.4

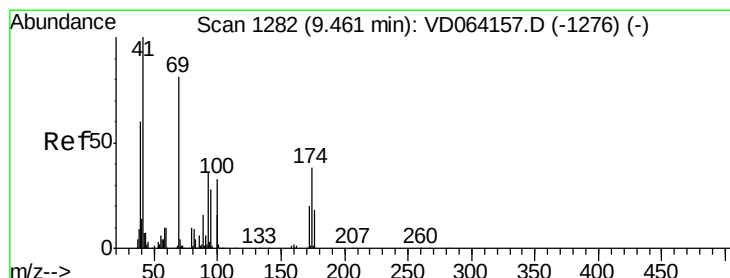
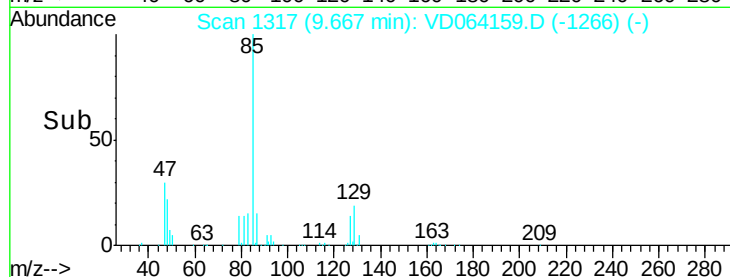
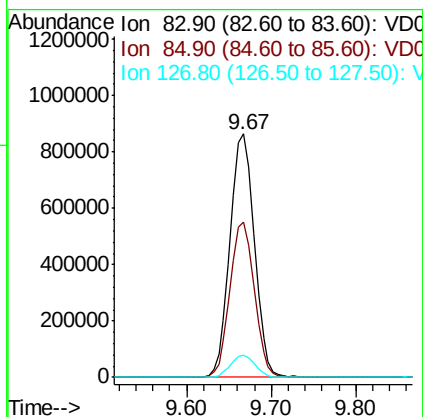
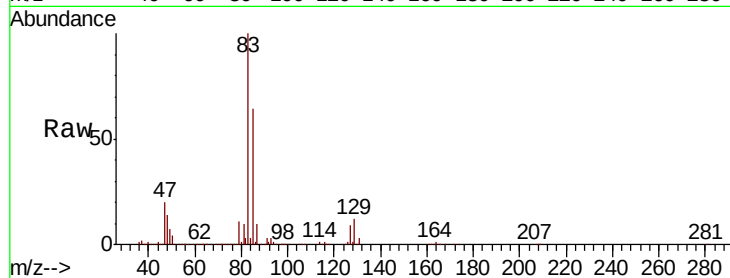
127 8.9 7.5 11.3

Manual Integrations

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11/13/2019 11:14:52 AM



#48

Methyl methacrylate

Concen: 186.617 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

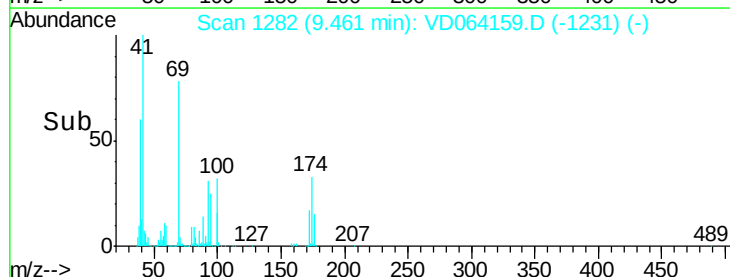
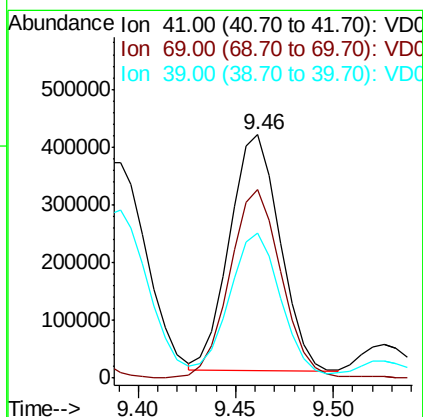
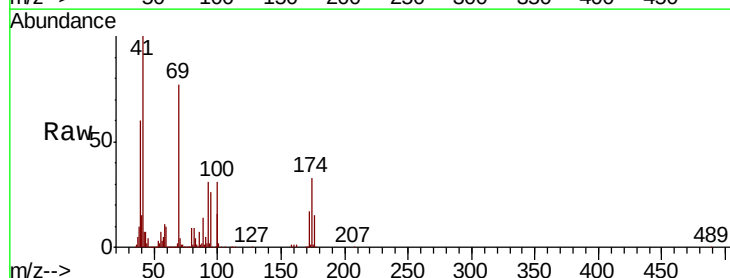
Tgt Ion: 41 Resp: 729383

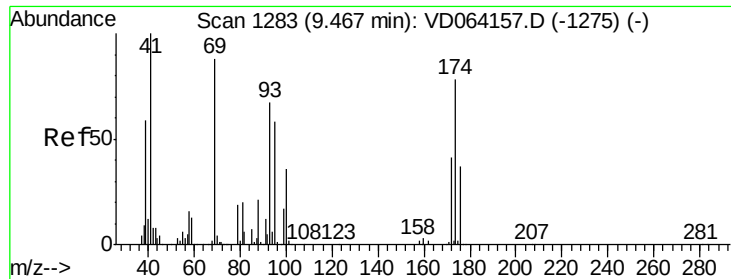
Ion Ratio Lower Upper

41 100

69 81.9 64.6 97.0

39 59.4 48.2 72.2





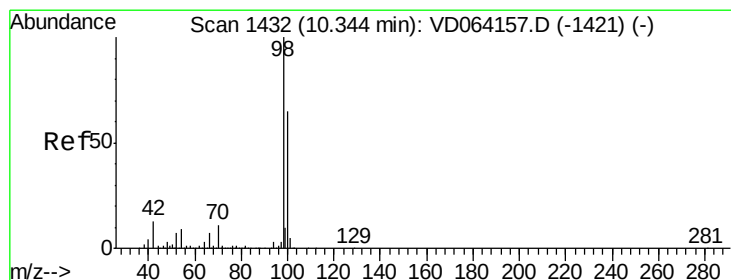
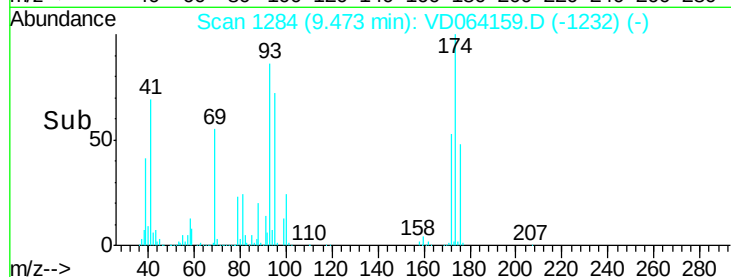
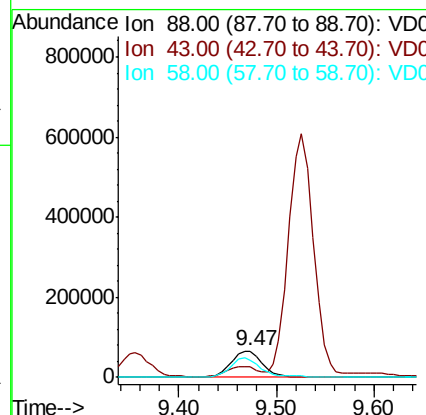
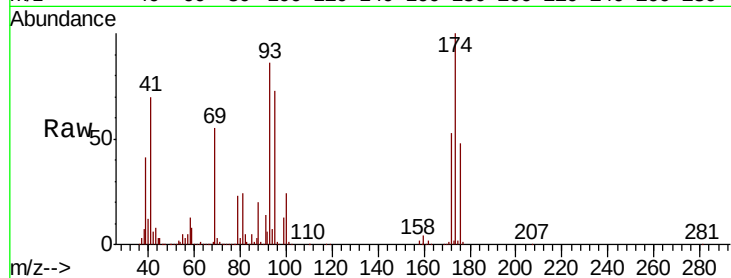
#49
1,4-Dioxane
Concen: 2754.882 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	29.8	44.8
58	72.5	58.1	87.1

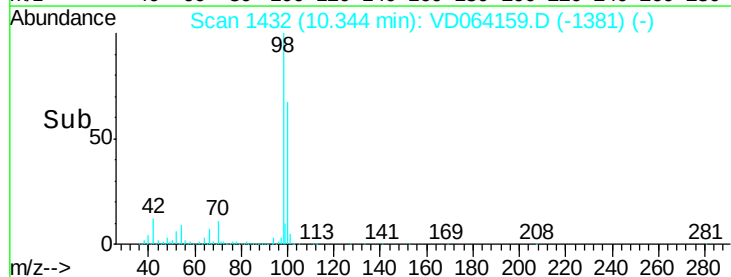
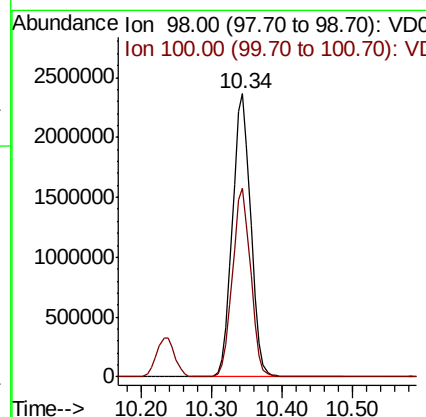
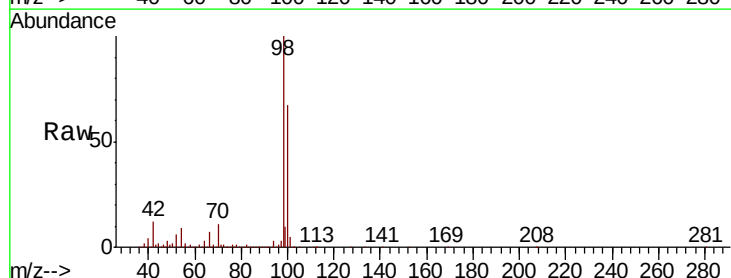
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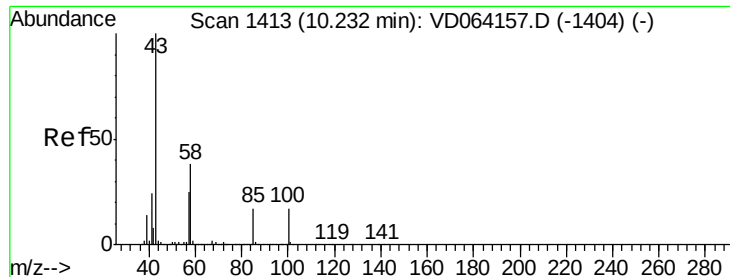
MMDadoda
11/13/2019 11:14:52 AM



#50
Toluene-d8
Concen: 128.985 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.6	78.8





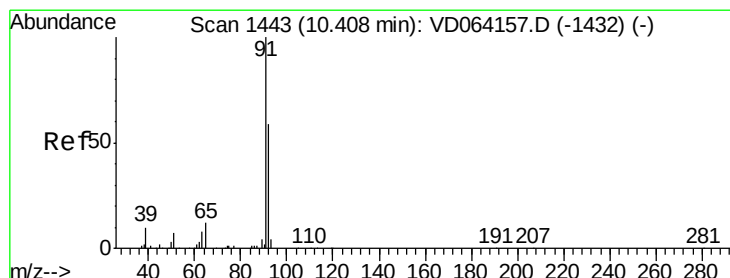
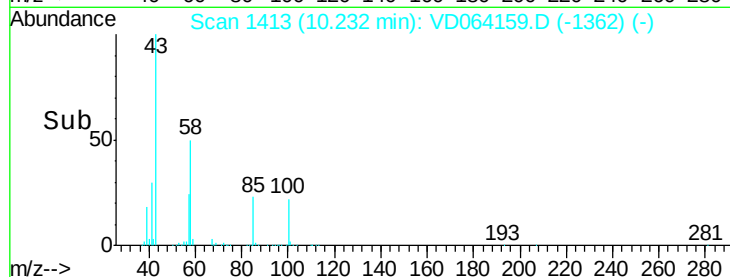
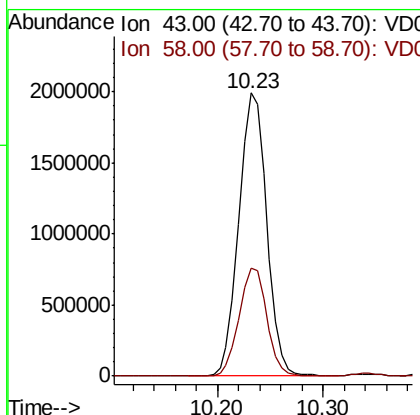
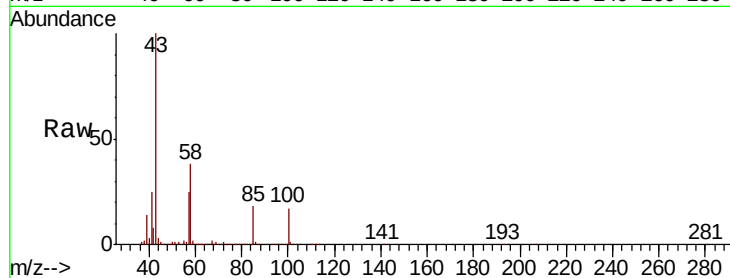
#51
4-Methyl-2-Pentanone
Concen: 823.115 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3642321
Ion Ratio Lower Upper
43 100
58 38.0 30.2 45.4

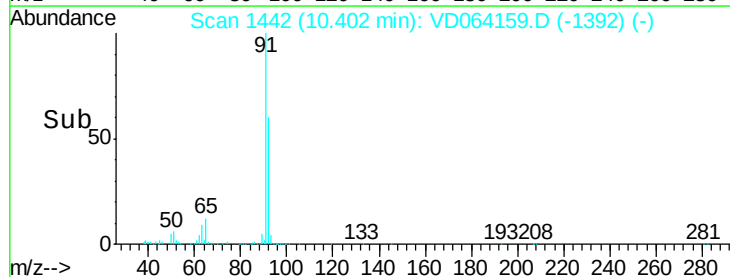
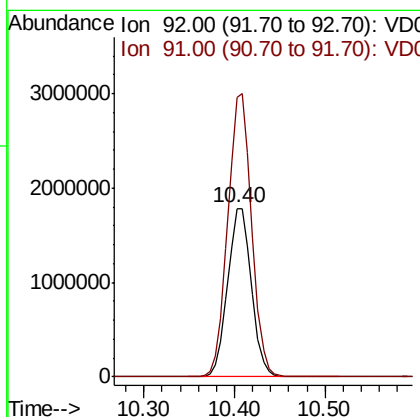
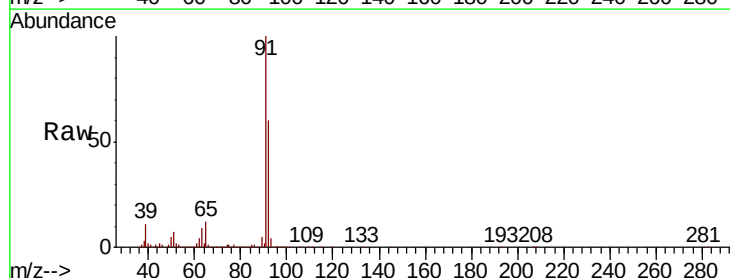
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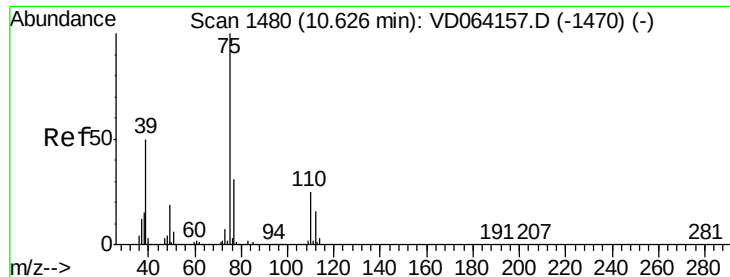
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#52
Toluene
Concen: 136.169 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion: 92 Resp: 3257910
Ion Ratio Lower Upper
92 100
91 168.9 136.4 204.6





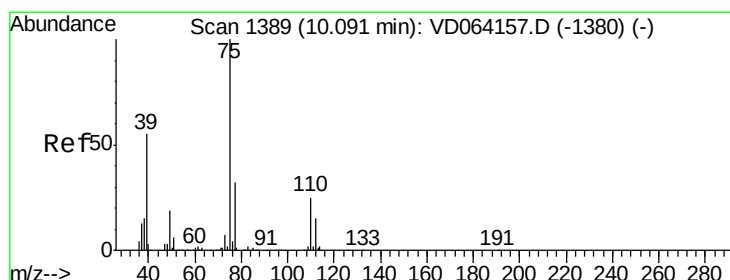
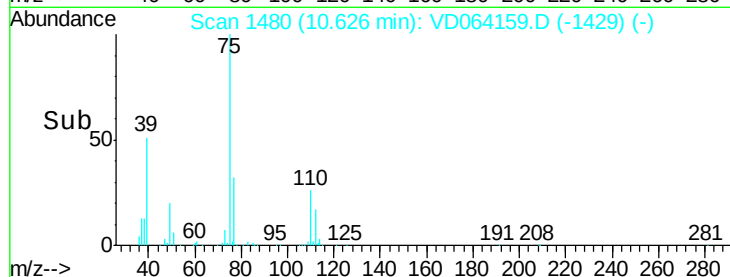
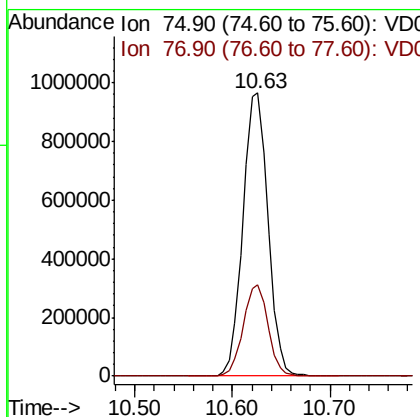
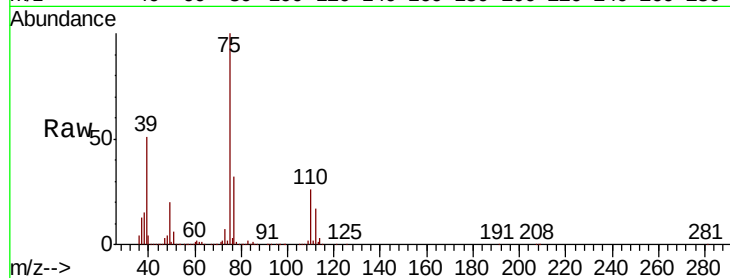
#53
t-1,3-Dichloropropene
Concen: 152.560 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1739953
Ion Ratio Lower Upper
75 100
77 32.2 24.7 37.1

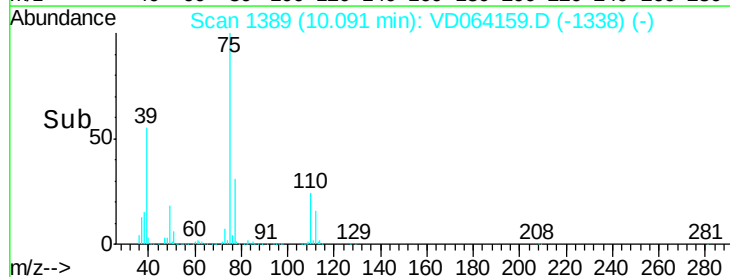
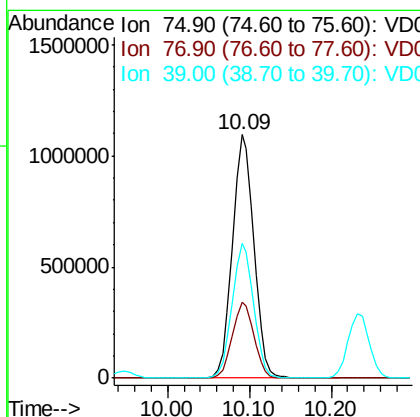
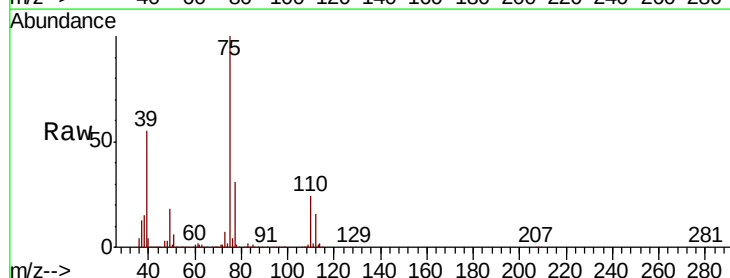
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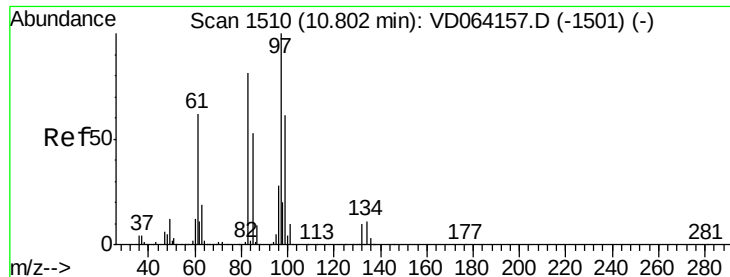
MMDadoda
11/13/2019 11:14:52 AM



#54
cis-1,3-Dichloropropene
Concen: 148.953 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion: 75 Resp: 2004940
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8
39 55.4 44.2 66.2





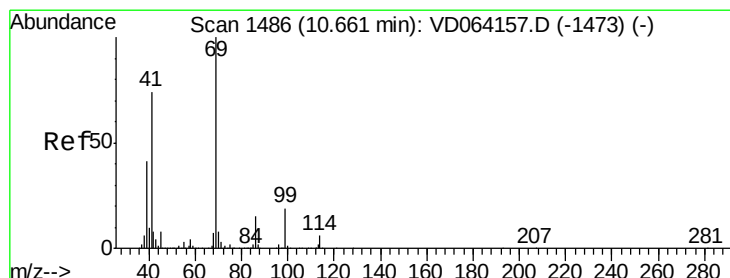
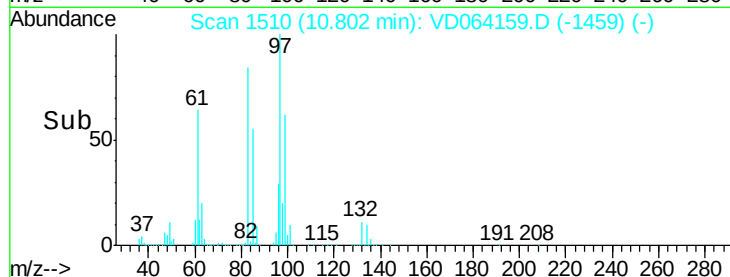
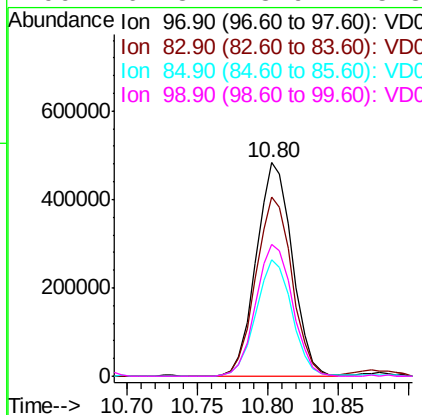
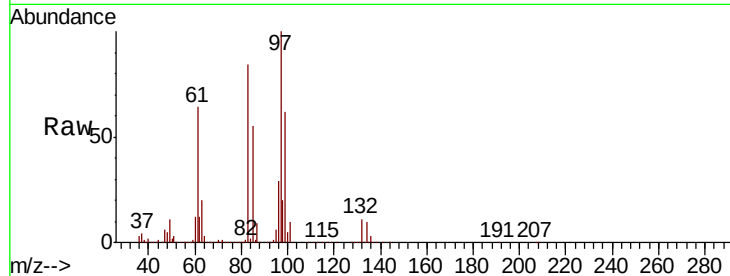
#55
 1,1,2-Trichloroethane
 Concen: 128.963 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	863196
Ion	Ratio	Lower	Upper
97	100		
83	84.0	65.1	97.7
85	54.5	42.0	63.0
99	61.8	48.9	73.3

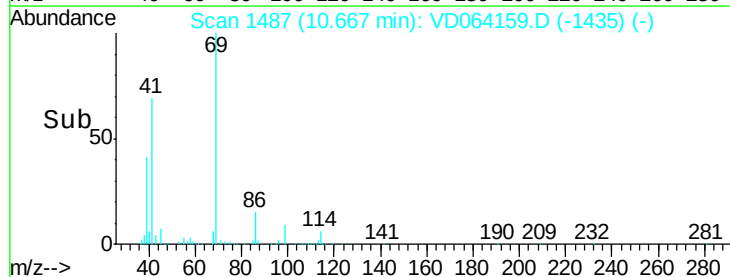
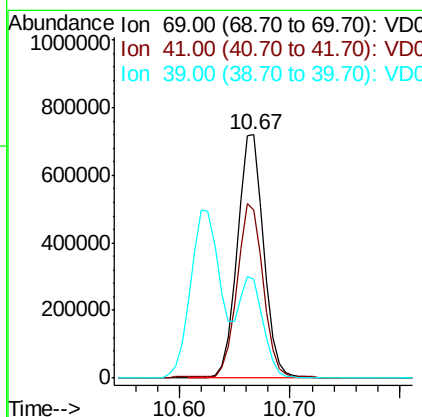
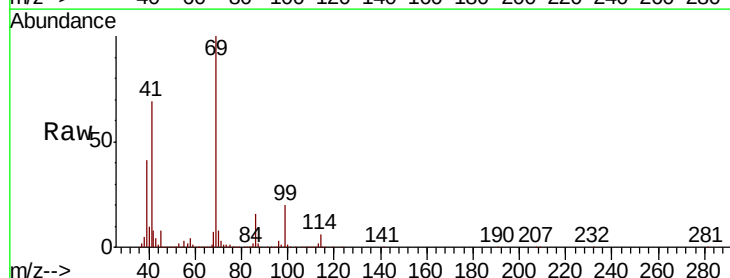
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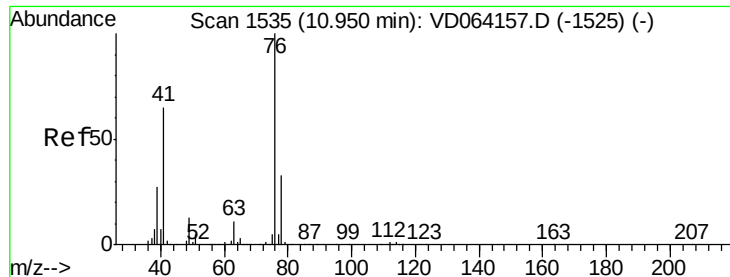
MMDadoda
 11/13/2019 11:14:52 AM



#56
 Ethyl methacrylate
 Concen: 159.613 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion:	69	Resp:	1204004
Ion	Ratio	Lower	Upper
69	100		
41	70.9	57.9	86.9
39	36.0	29.0	43.4





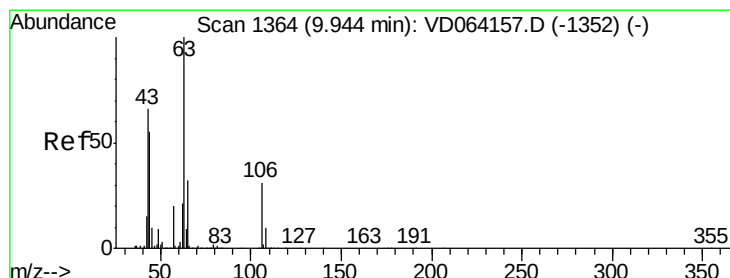
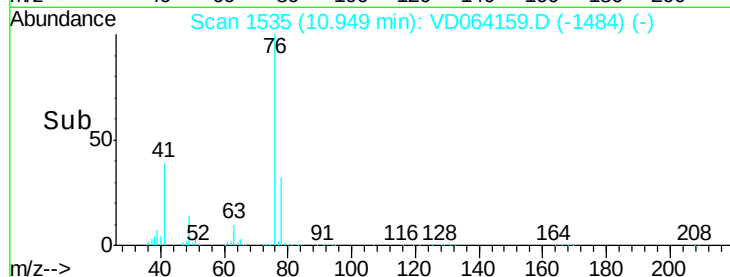
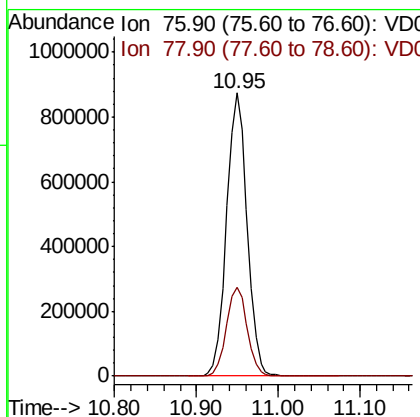
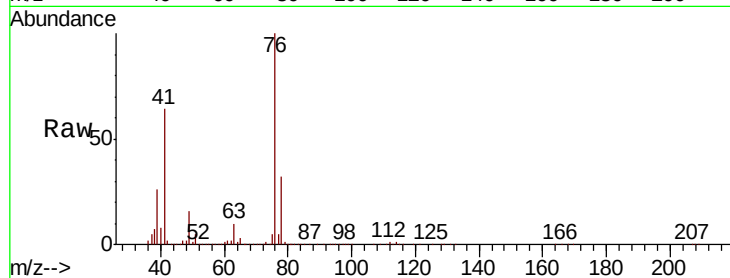
#57
 1,3-Dichloropropane
 Concen: 136.557 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1524867
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4

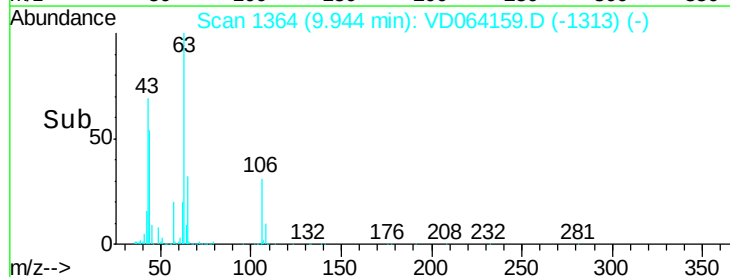
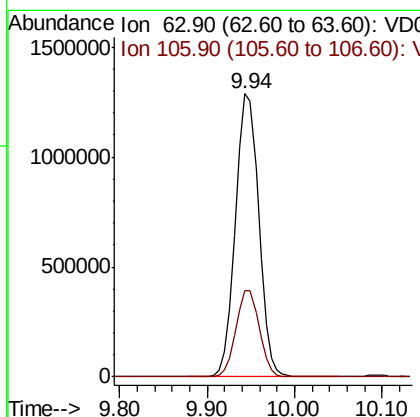
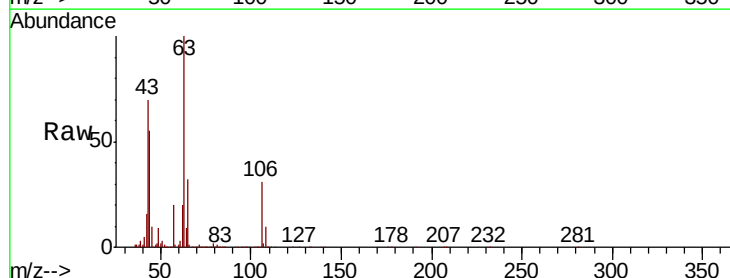
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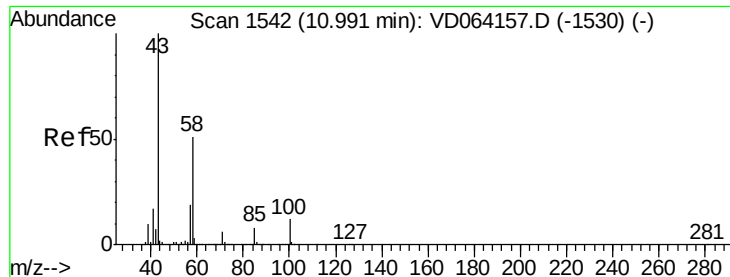
MMDadoda
 11/13/2019 11:14:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 751.988 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion: 63 Resp: 2316455
 Ion Ratio Lower Upper
 63 100
 106 30.8 24.1 36.1





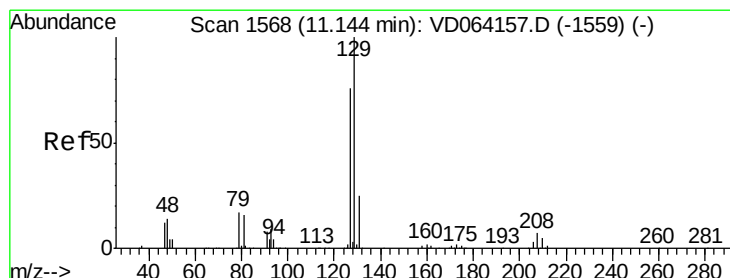
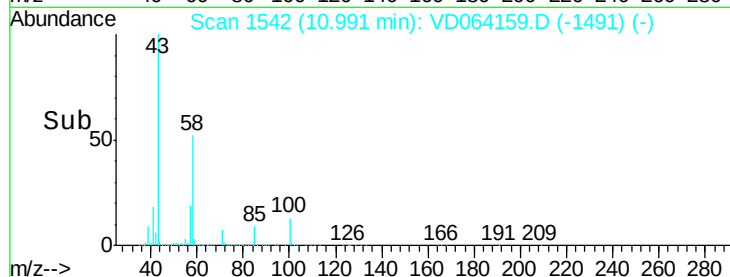
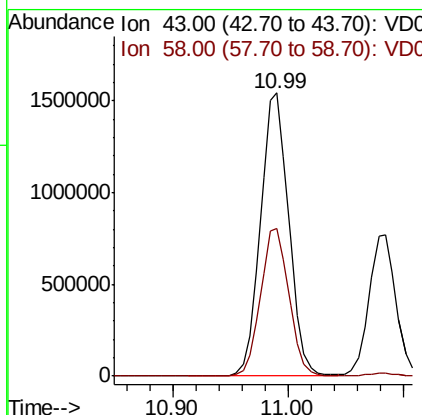
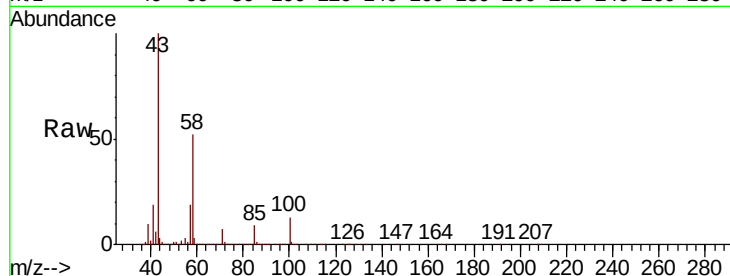
#59
2-Hexanone
Concen: 840.306 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 2634444
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.7

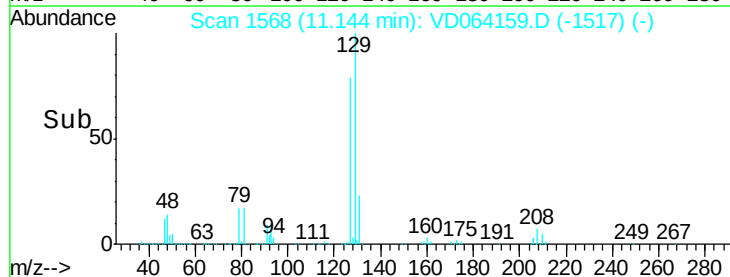
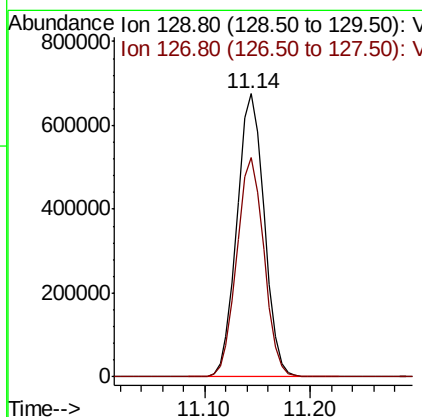
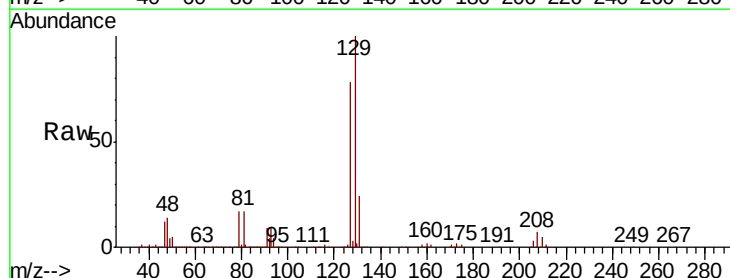
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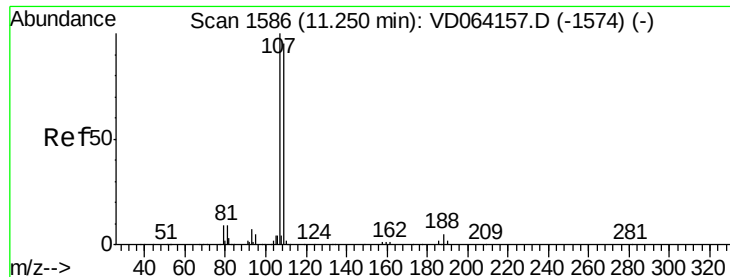
MMDadoda
11/13/2019 11:14:52 AM



#60
Dibromochloromethane
Concen: 132.979 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion: 129 Resp: 1211007
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





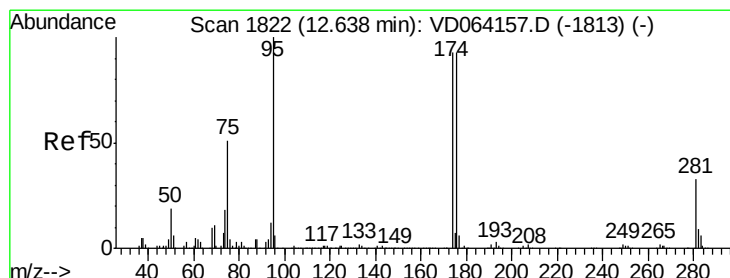
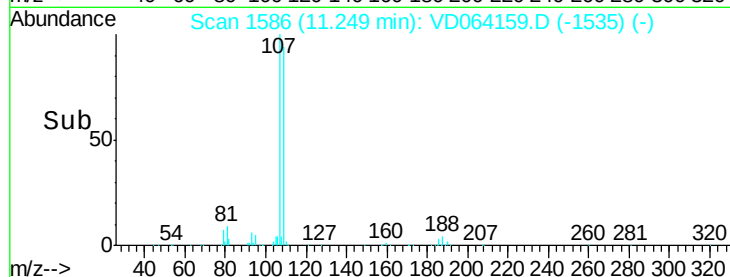
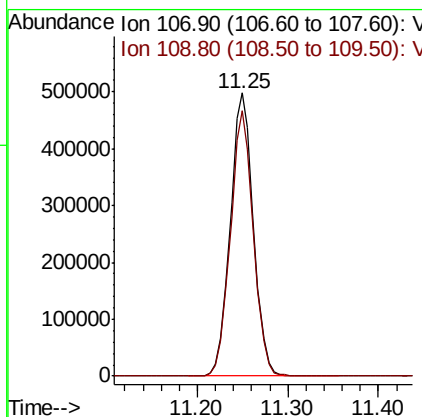
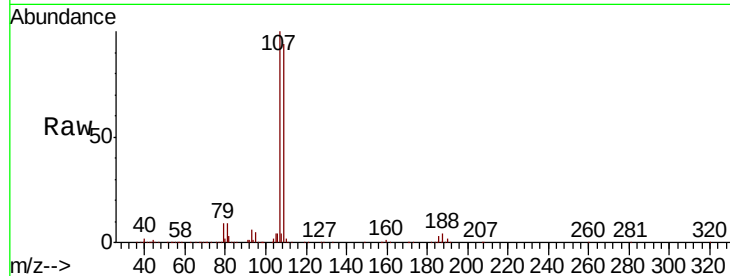
#61
 1,2-Dibromoethane
 Concen: 131.751 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.1	112.7

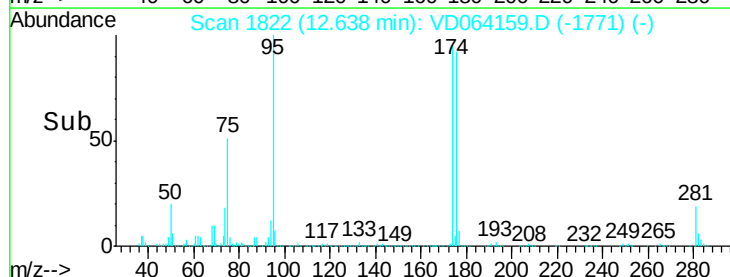
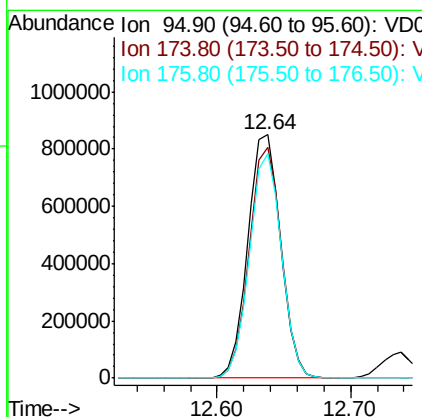
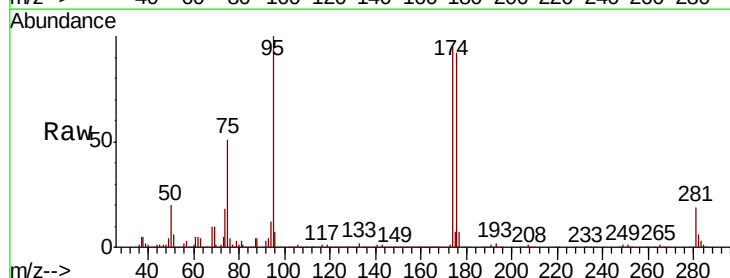
Manual Integrations
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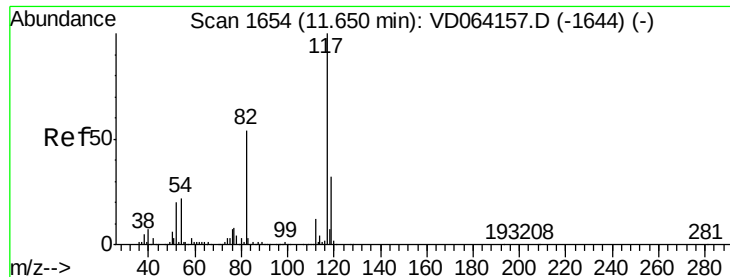
MMDadoda
 11/13/2019 11:14:52 AM



#62
 4-Bromofluorobenzene
 Concen: 131.031 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	183.6
176	90.3	0.0	180.2





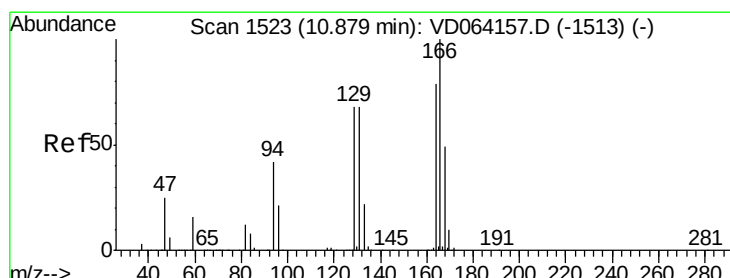
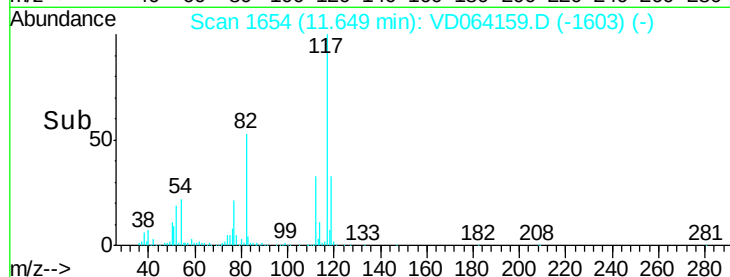
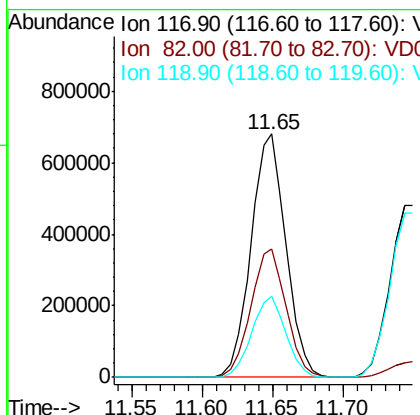
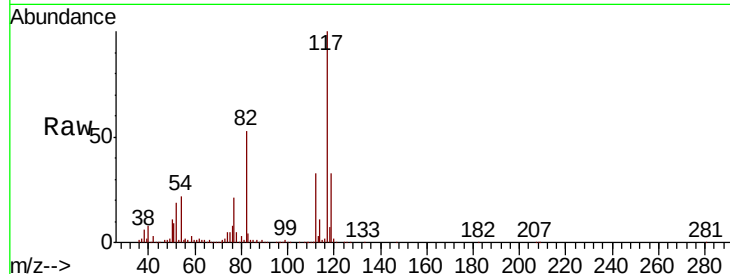
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 1177640
Ion Ratio Lower Upper
117 100
82 52.5 42.8 64.2
119 33.0 25.6 38.4

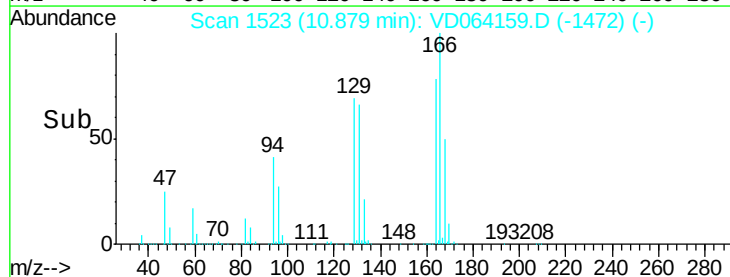
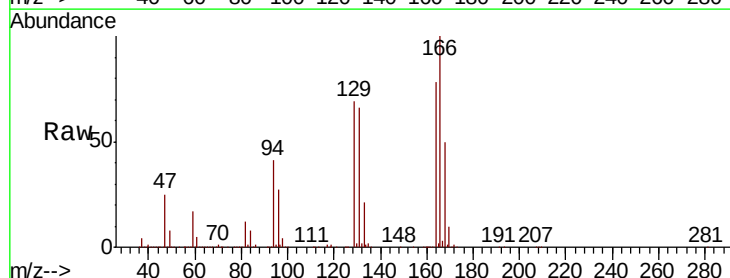
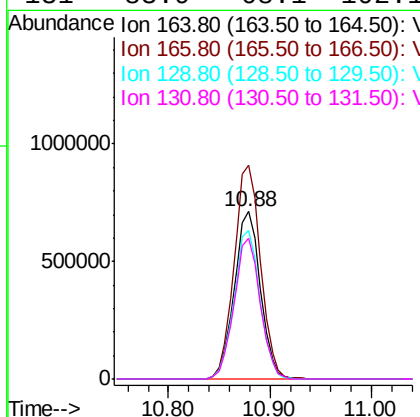
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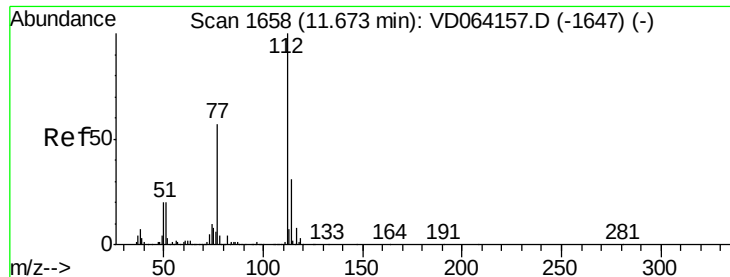
MMDadoda
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#64
Tetrachloroethene
Concen: 147.779 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion:164 Resp: 1273335
Ion Ratio Lower Upper
164 100
166 127.4 100.8 151.2
129 88.3 68.7 103.1
131 83.9 68.1 102.1





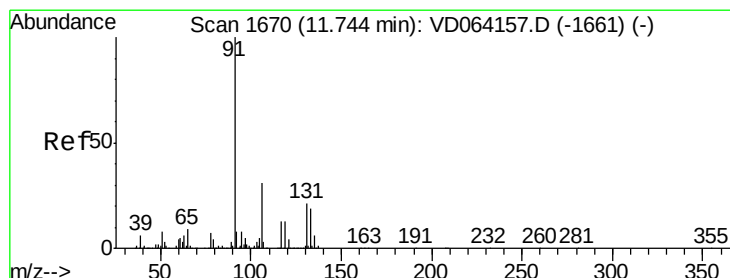
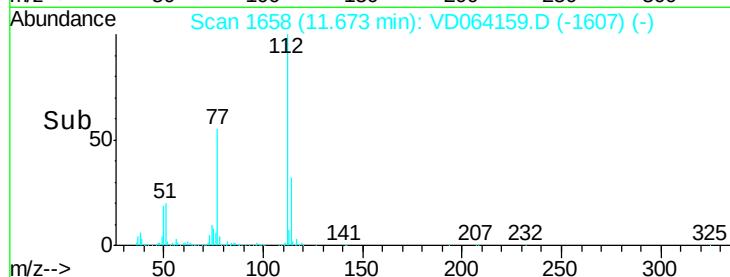
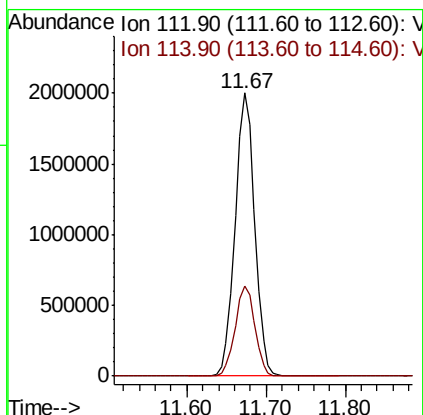
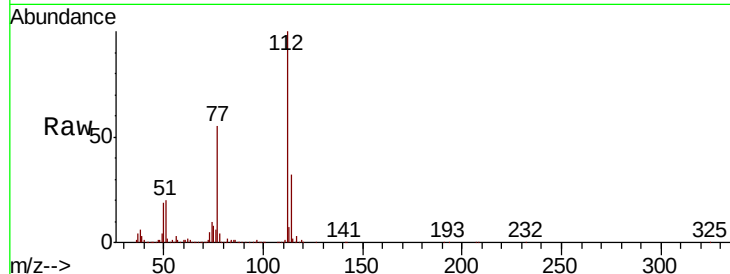
#65
Chlorobenzene
Concen: 140.311 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 3413201
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8

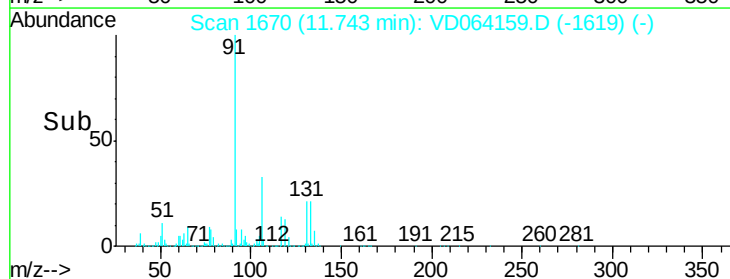
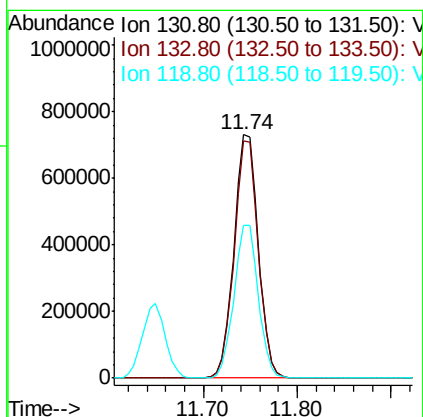
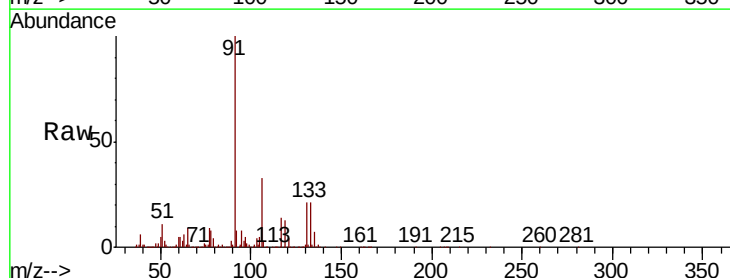
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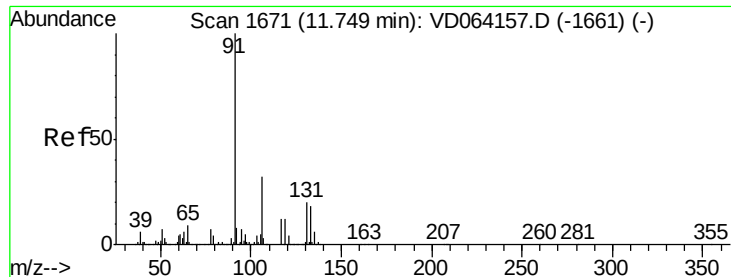
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 143.483 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion:131 Resp: 1310996
Ion Ratio Lower Upper
131 100
133 96.4 47.3 141.9
119 62.7 31.1 93.3





#67

Ethyl Benzene

Concen: 140.625 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 6102370

Ion Ratio Lower Upper

91 100

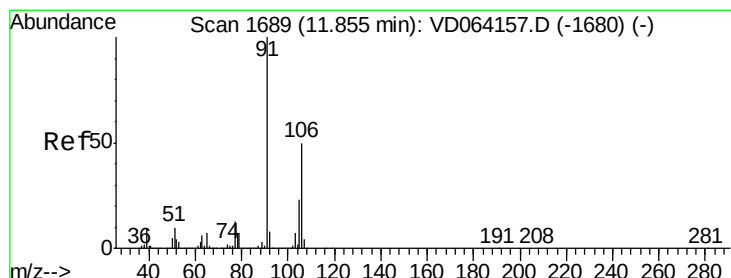
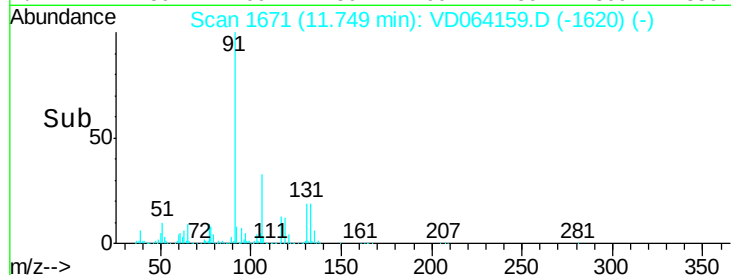
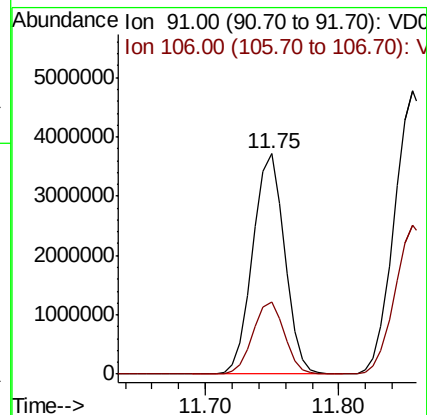
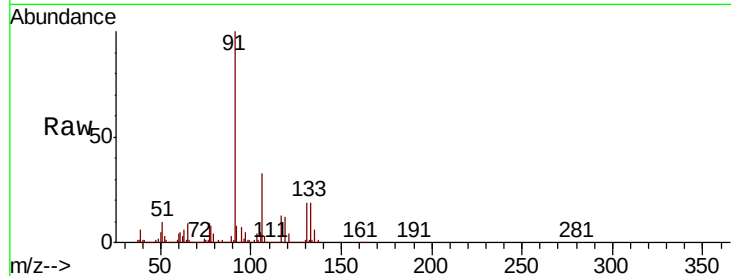
106 32.7 25.5 38.3

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#68

m/p-Xylenes

Concen: 275.614 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064159.D

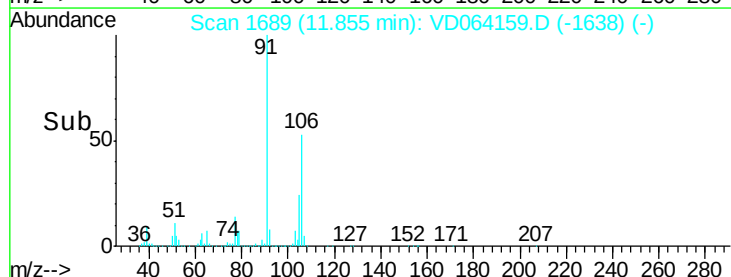
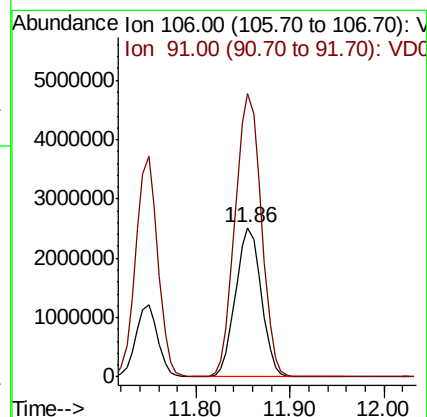
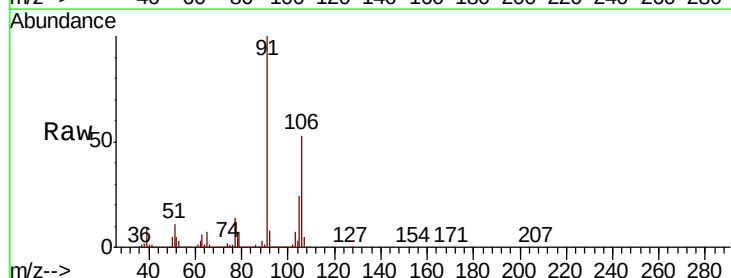
Acq: 08 Nov 2019 15:58

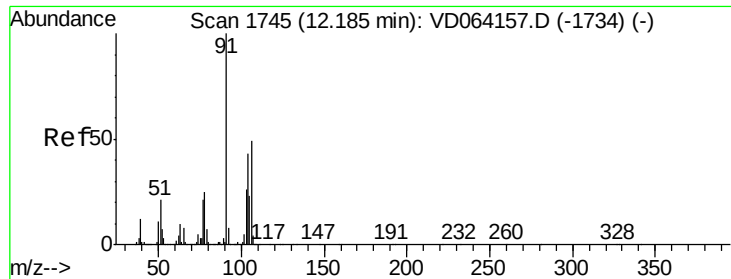
Tgt Ion: 106 Resp: 4767710

Ion Ratio Lower Upper

106 100

91 194.3 160.3 240.5





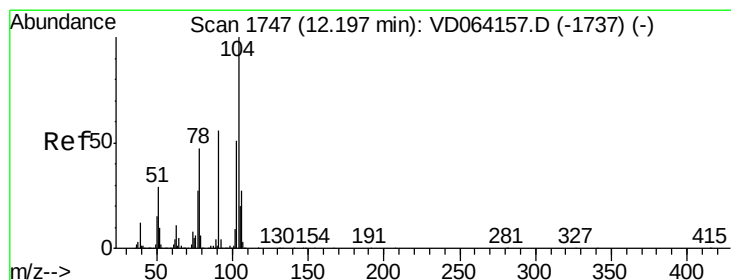
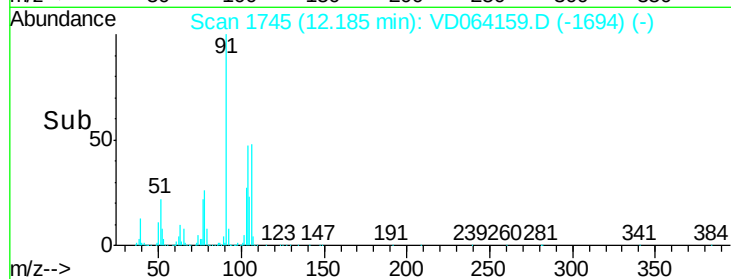
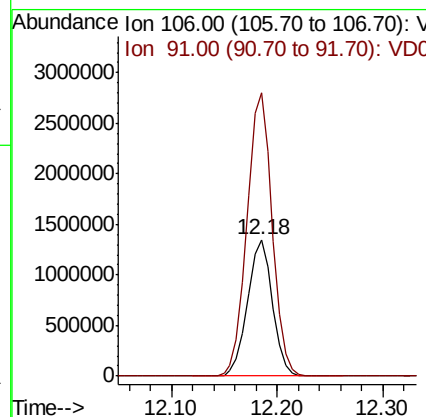
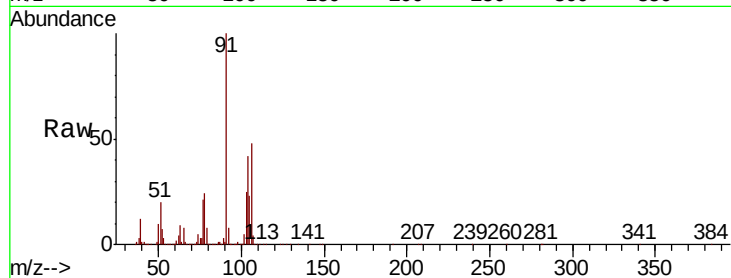
#69
o-Xylene
Concen: 139.706 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2209016
Ion Ratio Lower Upper
106 100
91 209.4 105.1 315.3

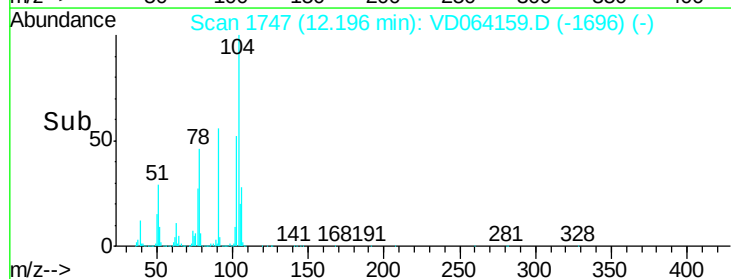
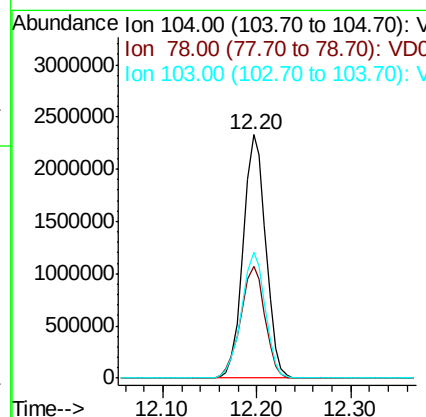
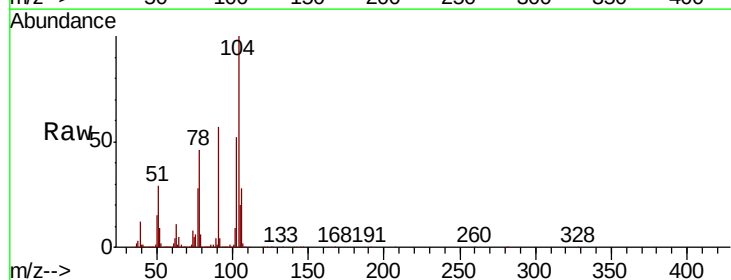
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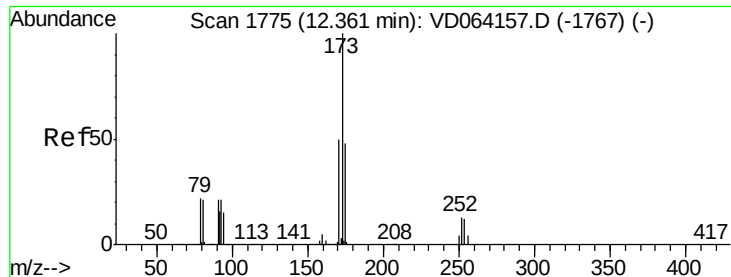
MMDadoda
11/13/2019 11:14:52 AM



#70
Styrene
Concen: 142.387 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion:104 Resp: 3873951
Ion Ratio Lower Upper
104 100
78 49.7 39.9 59.9
103 54.5 43.4 65.0





#71

Bromoform

Concen: 152.996 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

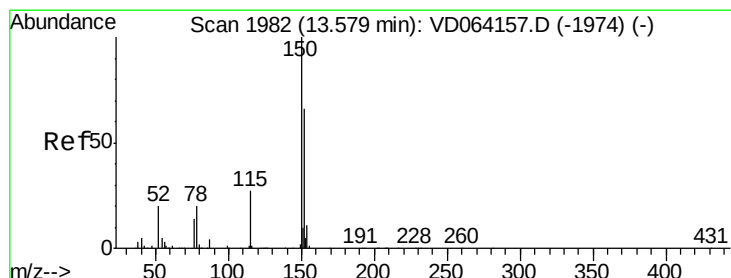
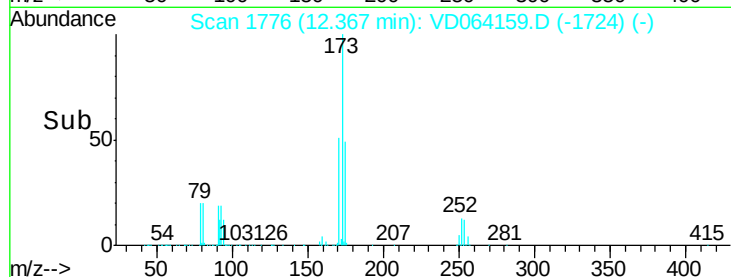
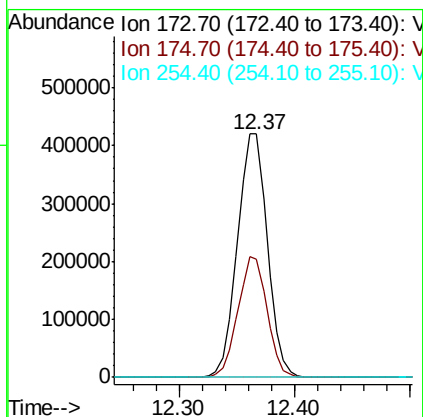
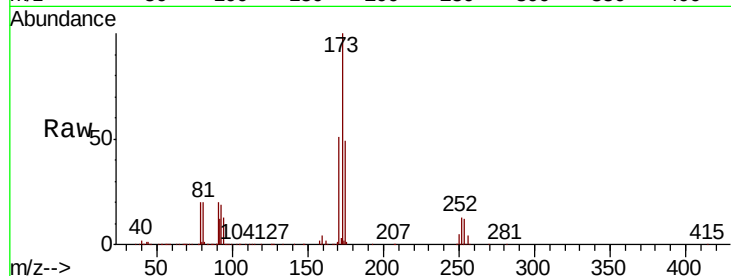
ClientSampleId :

VSTDICC150

Tot Ion:	173	Resp:	755422
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.1	72.3
254	0.2	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

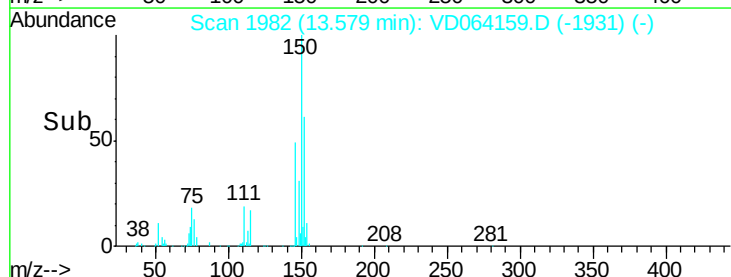
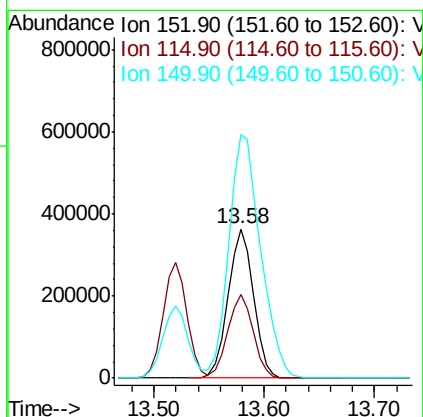
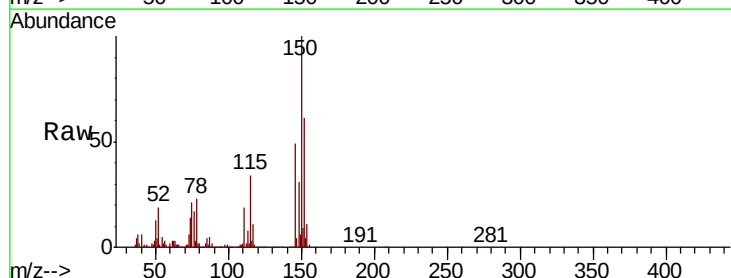
RT: 13.58 min Scan# 1982

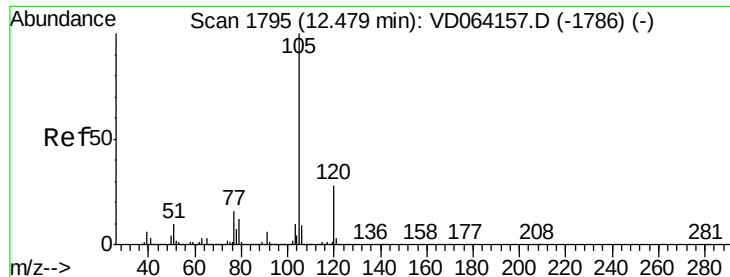
Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Tgt Ion:	152	Resp:	587169
Ion Ratio	Lower	Upper	
152	100		
115	55.6	27.4	82.2
150	205.0	0.0	351.6





#73

Isopropylbenzene

Concen: 144.060 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 5984642

Ion Ratio Lower Upper

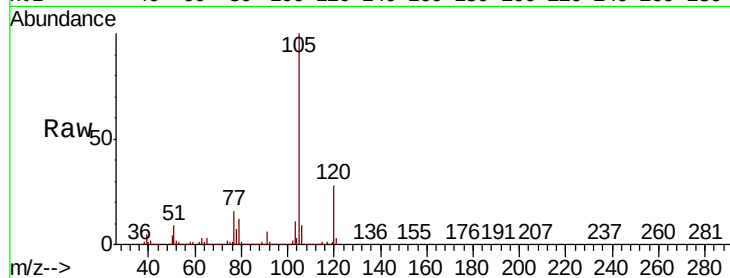
105 100

120 27.6 13.6 40.8

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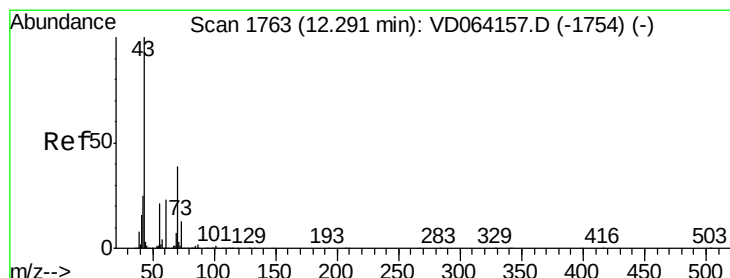
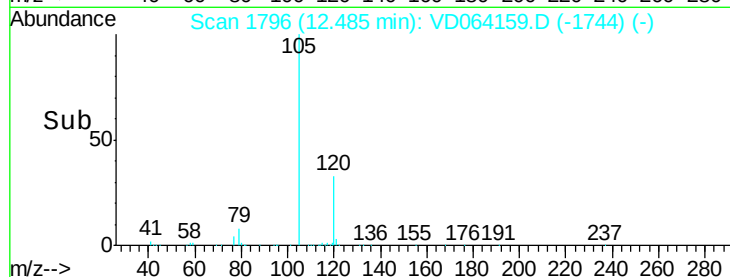
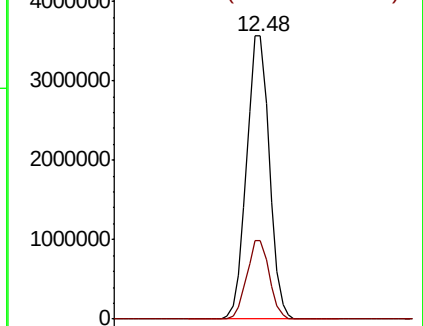
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 187.768 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Tgt Ion: 43 Resp: 1381840

Ion Ratio Lower Upper

43 100

70 41.1 32.4 48.6

55 22.0 17.9 26.9

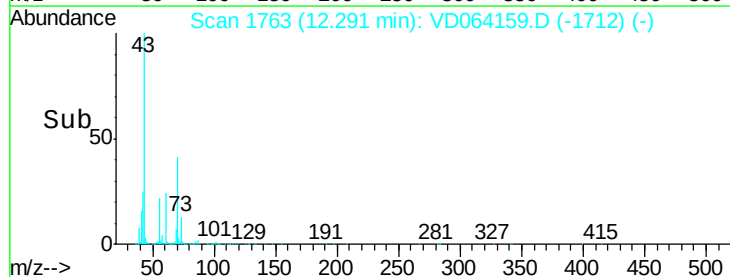
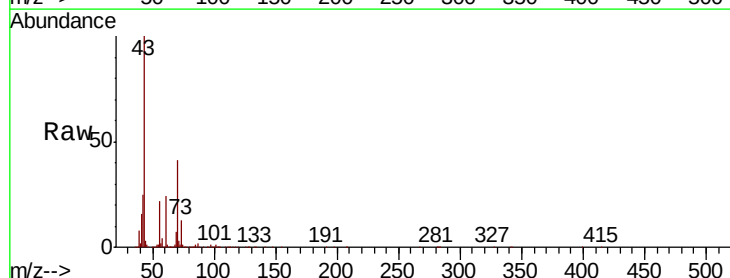
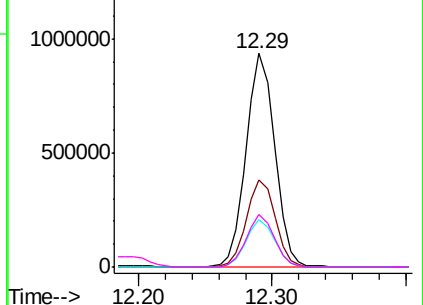
61 23.7 19.0 28.4

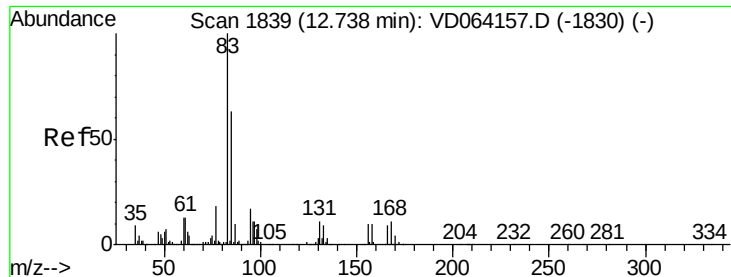
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 138.328 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

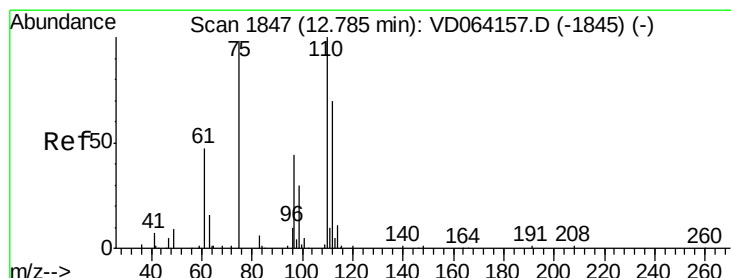
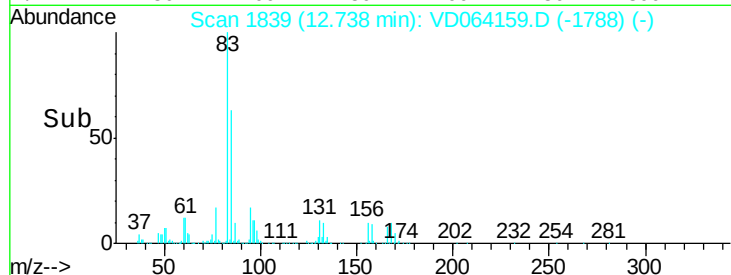
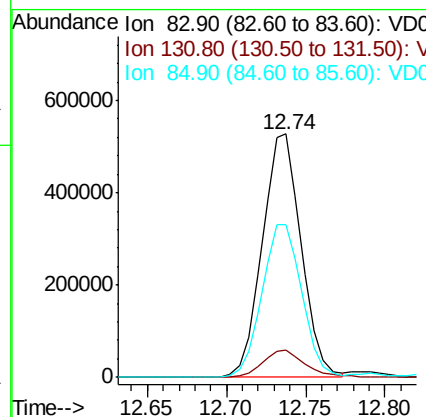
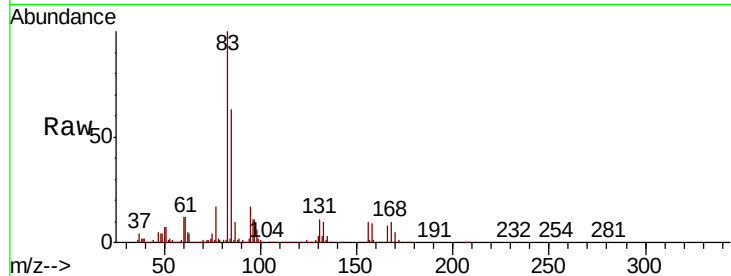
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	900799
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.9	17.7
85	63.9	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 165.385 ug/l m

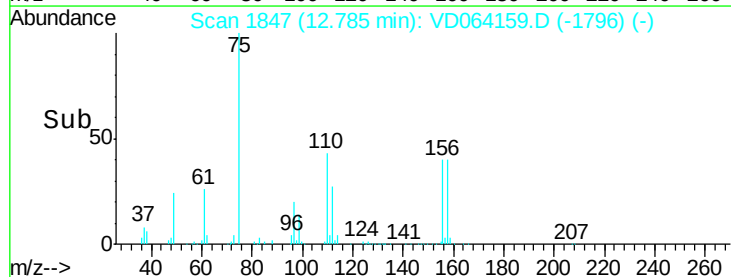
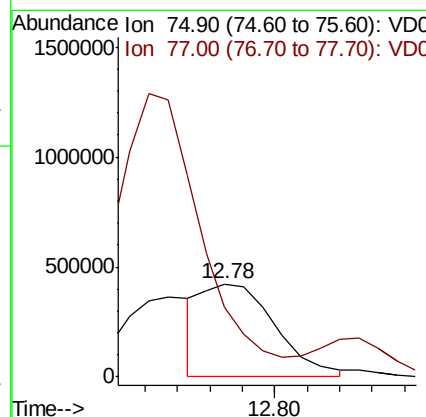
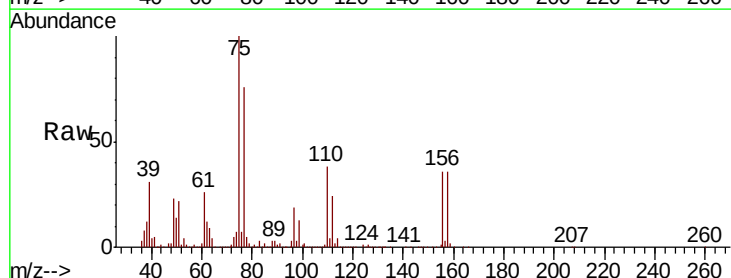
RT: 12.78 min Scan# 1847

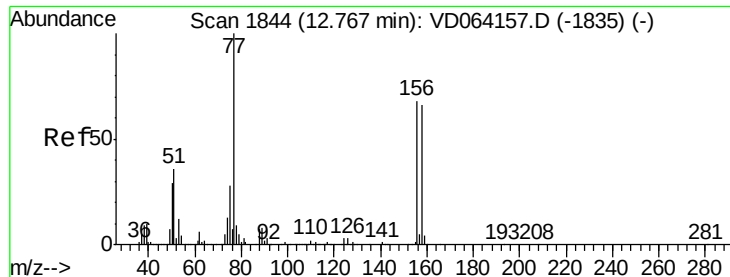
Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Tgt Ion:	75	Resp:	673164
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 146.915 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1478874

Ion Ratio Lower Upper

156 100

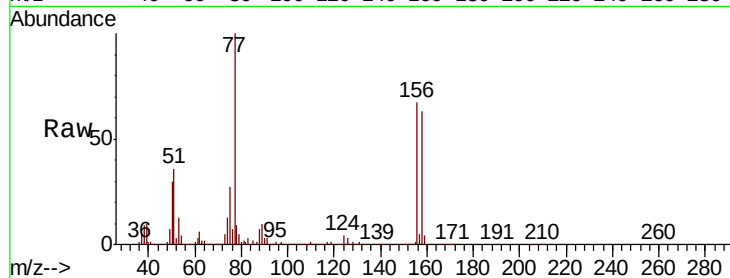
77 162.0 81.2 243.4

158 96.2 48.4 145.2

Manual Integrations
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MMDadoda

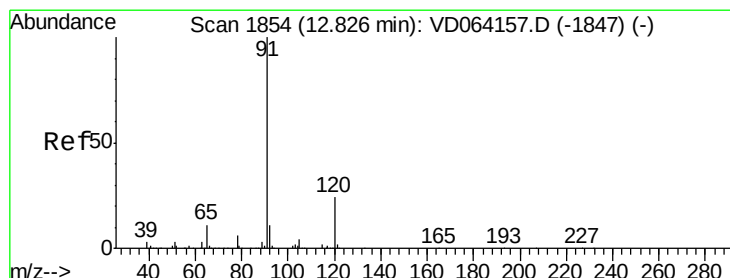
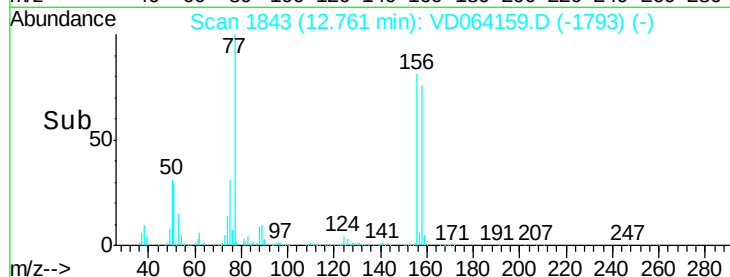
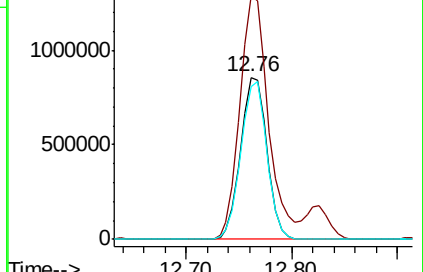
11/13/2019 11:14:52 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 140.314 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064159.D

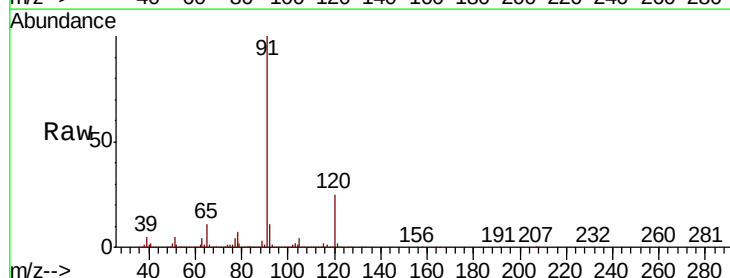
Acq: 08 Nov 2019 15:58

Tgt Ion: 91 Resp: 6804375

Ion Ratio Lower Upper

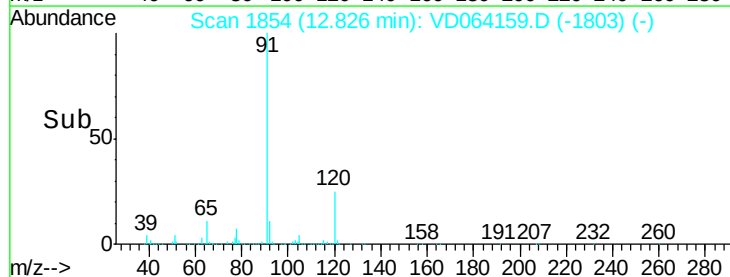
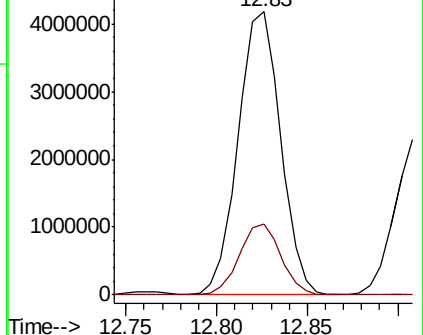
91 100

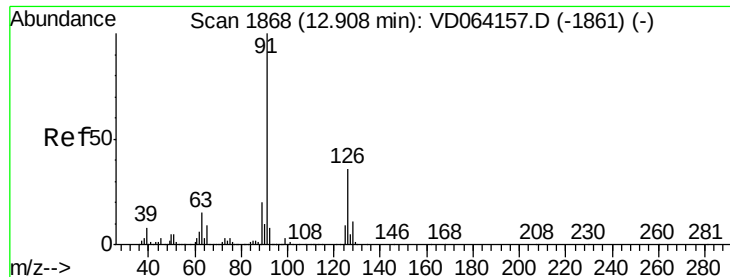
120 24.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 147.503 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3874333

Ion Ratio Lower Upper

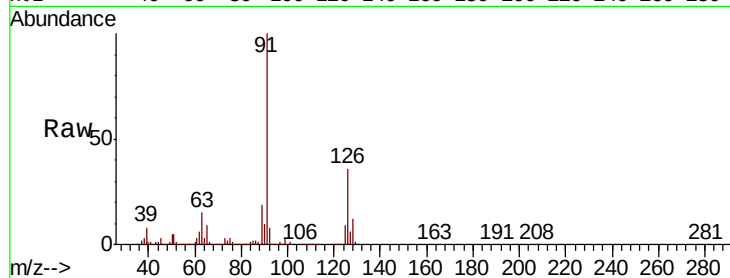
91 100

126 35.7 17.7 53.1

Manual Integrations
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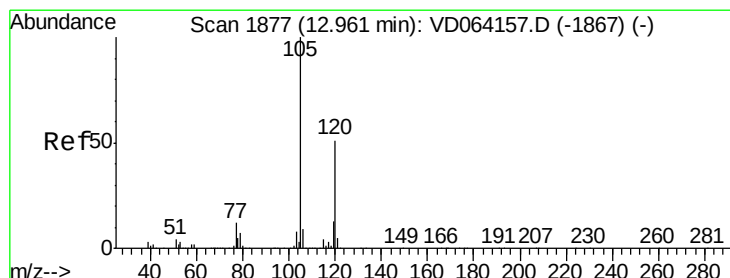
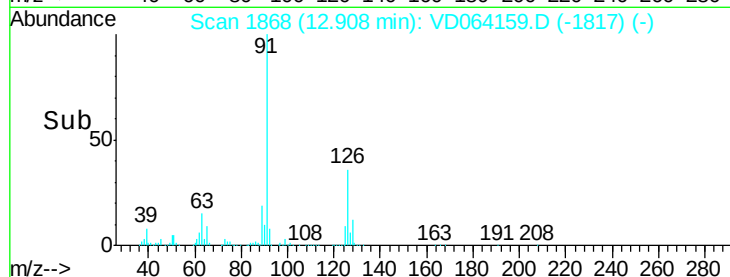
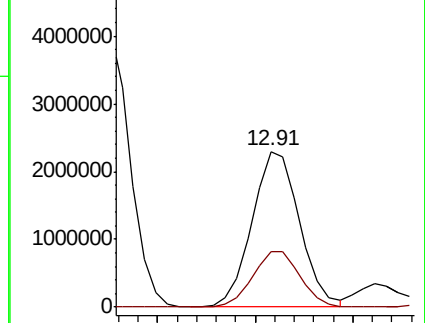
MMDadoda

11/13/2019 11:14:52 AM



Abundance Ion 91.00 (90.70 to 91.70): VD064159.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD064159.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 143.679 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD064159.D

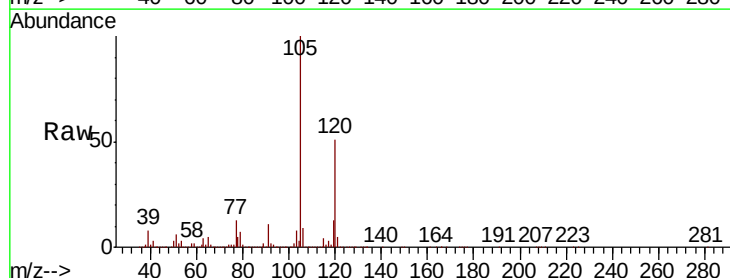
Acq: 08 Nov 2019 15:58

Tgt Ion:105 Resp: 4963364

Ion Ratio Lower Upper

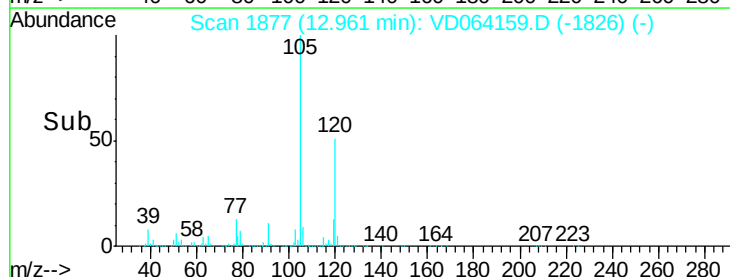
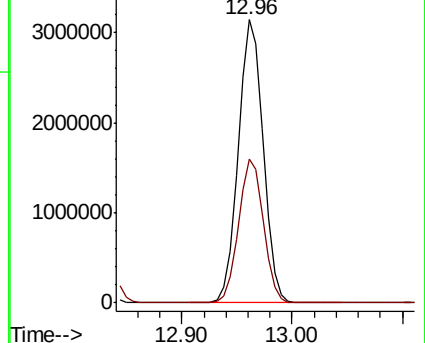
105 100

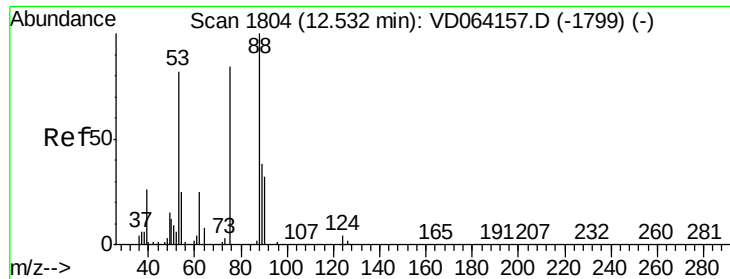
120 50.8 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD064159.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD064159.D (-1826) (-)





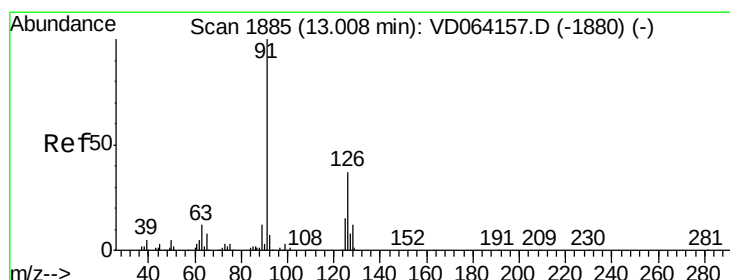
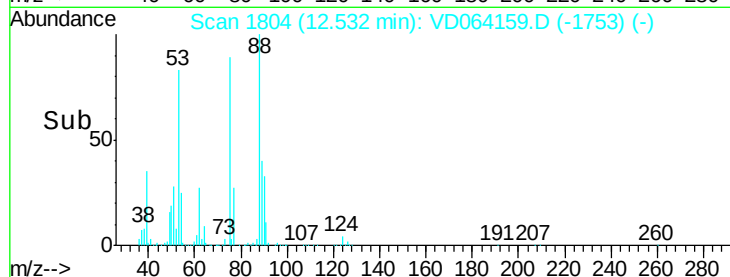
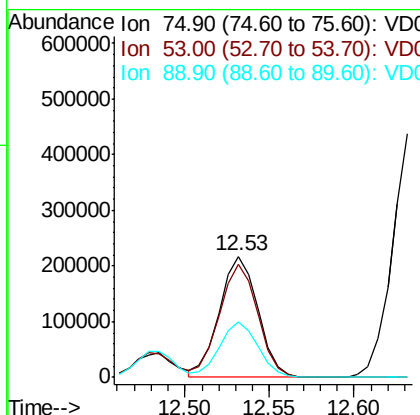
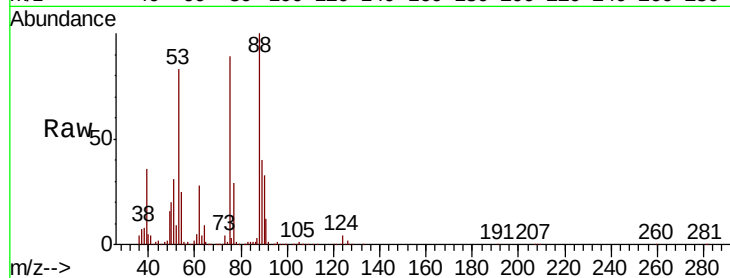
#81
trans-1,4-Dichloro-2-butene
Concen: 169.569 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.3	79.4	119.0
89	46.1	36.6	55.0

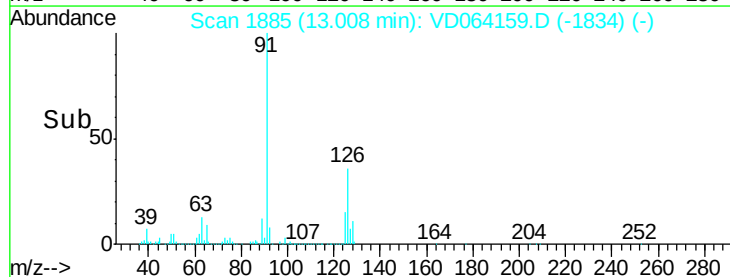
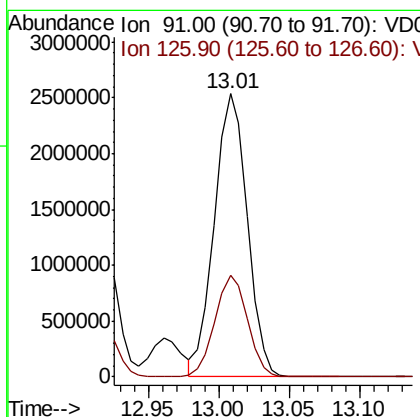
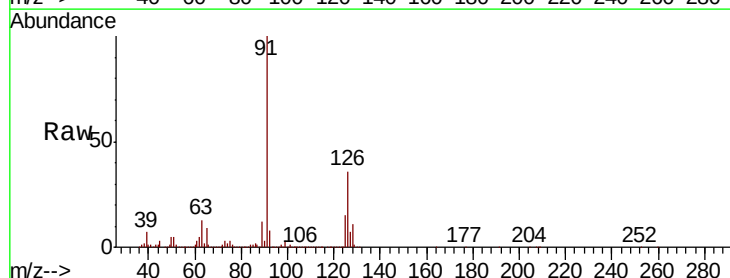
Manual Integrations
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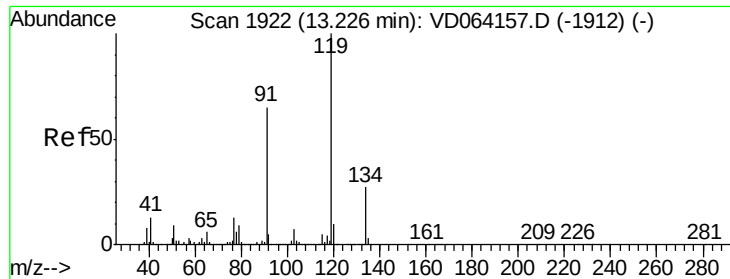
MMDadoda
11/13/2019 11:14:52 AM



#82
4-Chlorotoluene
Concen: 147.286 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.8	53.4





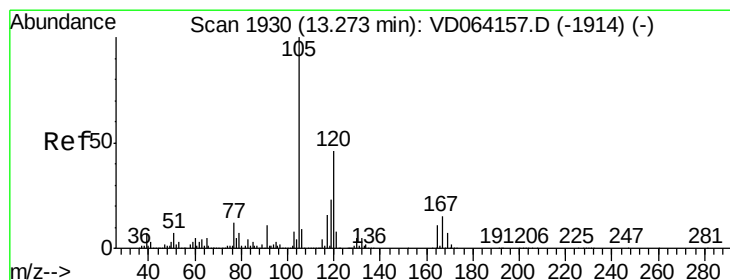
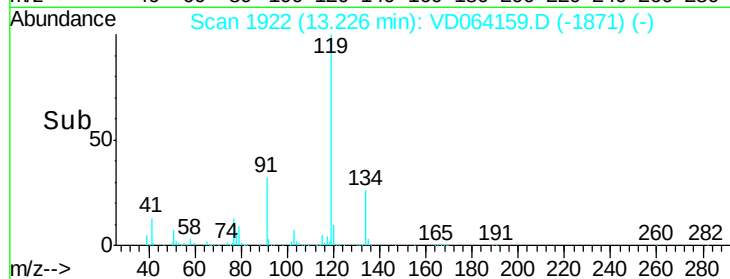
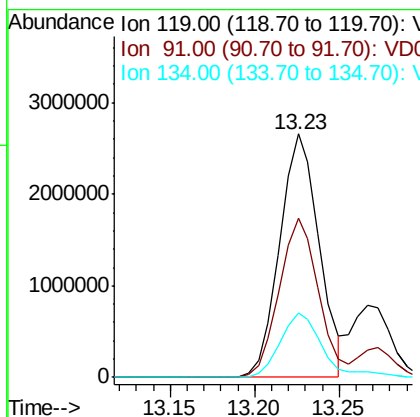
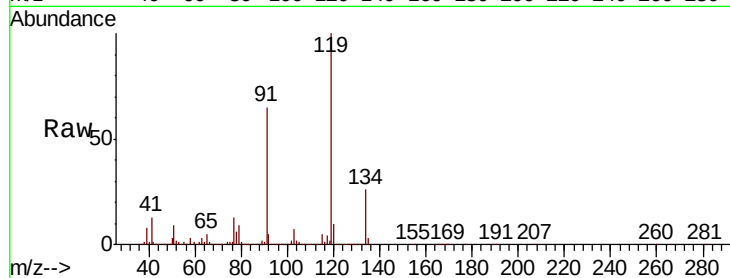
#83
 tert-Butylbenzene
 Concen: 139.359 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 4312713
 Ion Ratio Lower Upper
 119 100
 91 65.3 31.8 95.4
 134 28.4 13.7 41.0

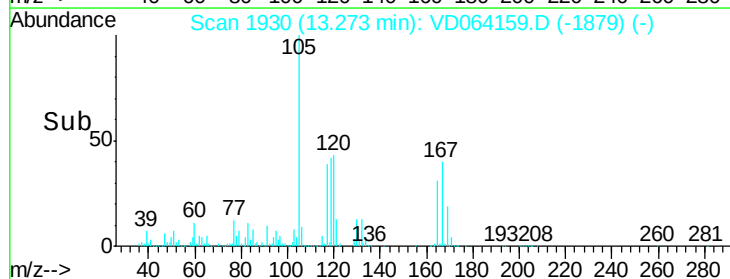
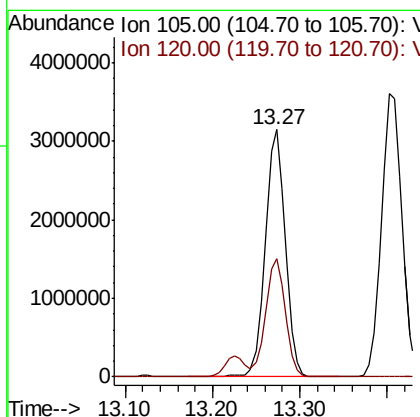
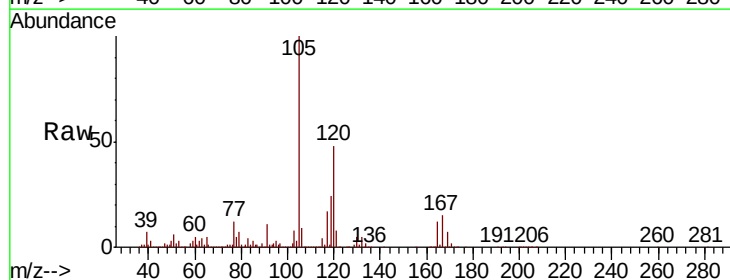
Manual Integrations
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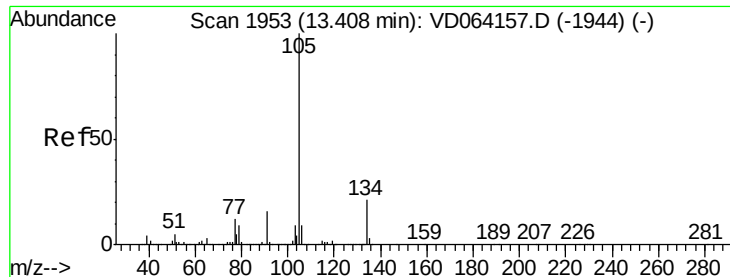
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 11/13/2019 11:14:52 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 143.533 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion:105 Resp: 4968669
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.3 69.8





#85

sec-Butylbenzene

Concen: 139.040 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 5869855

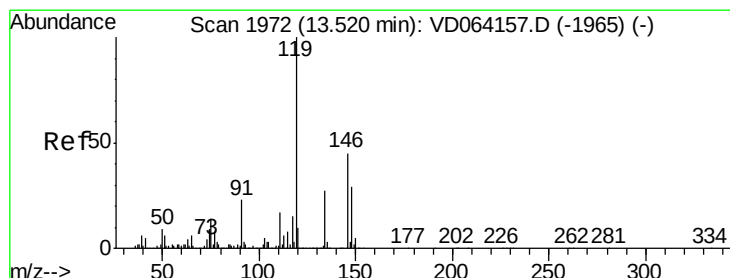
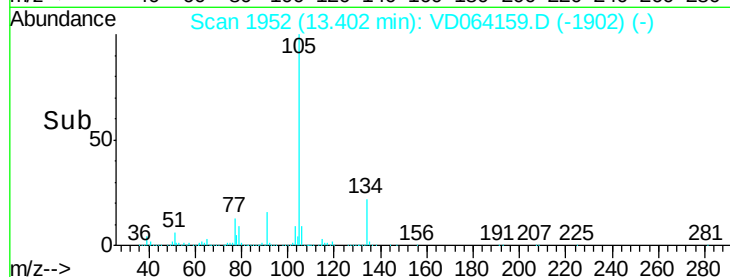
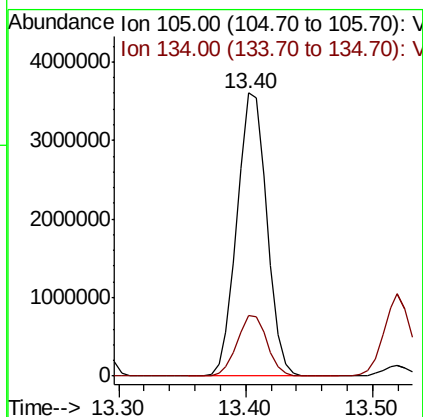
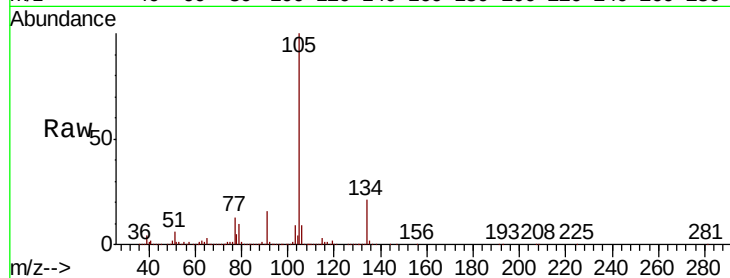
Ion Ratio Lower Upper

105 100

134 21.5 10.7 31.9

Manual Integrations
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11/13/2019 11:14:52 AM



#86

p-Isopropyltoluene

Concen: 142.426 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD064159.D

Acq: 08 Nov 2019 15:58

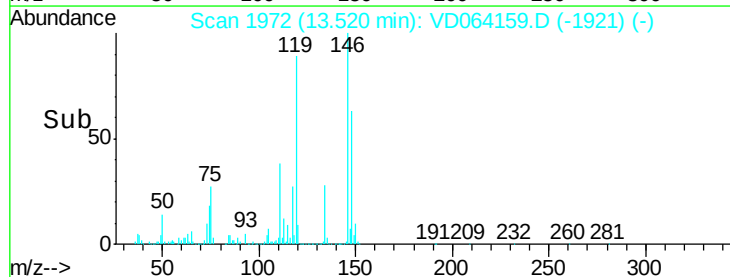
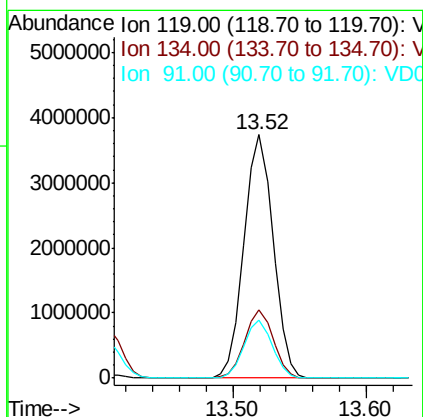
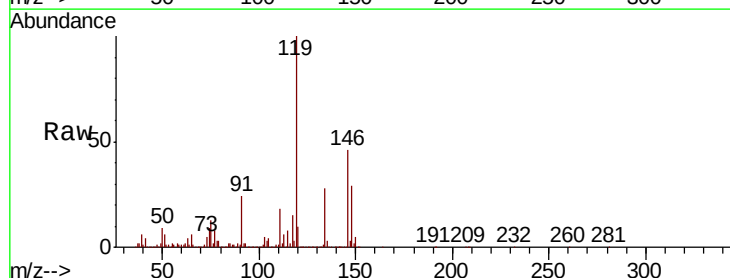
Tgt Ion:119 Resp: 5644927

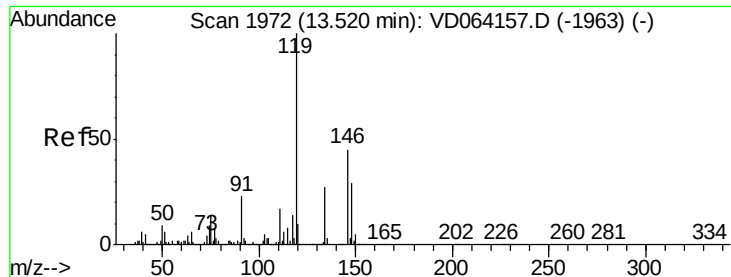
Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.5

91 23.2 11.5 34.4





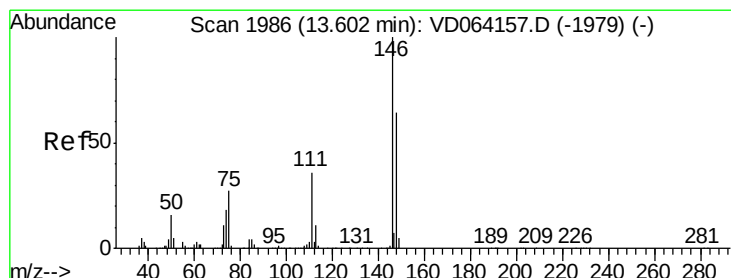
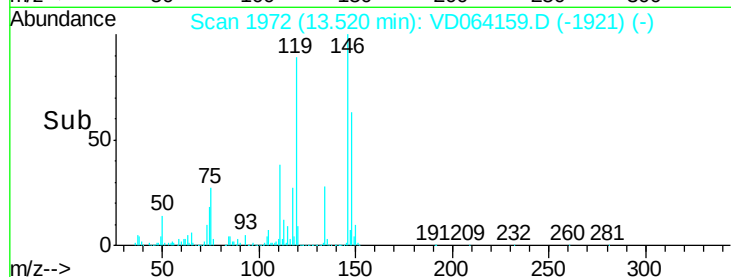
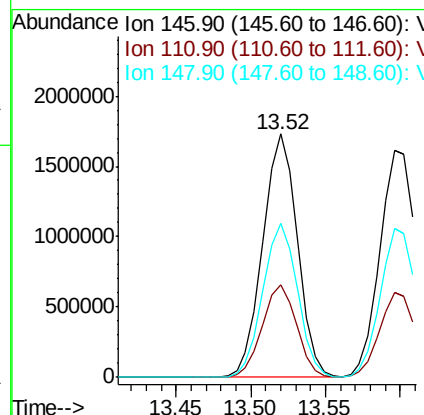
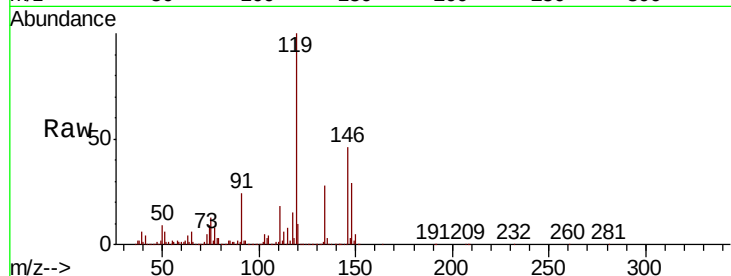
#87
 1,3-Dichlorobenzene
 Concen: 140.902 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 2785649
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.9 56.9
 148 63.4 32.1 96.5

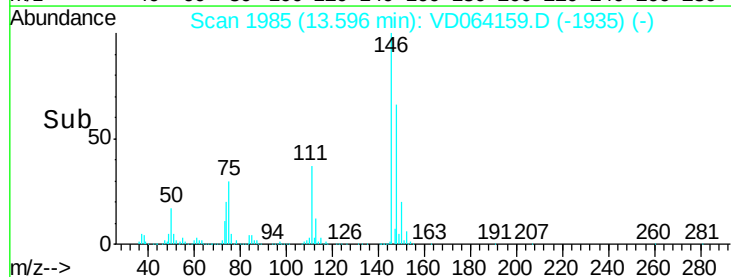
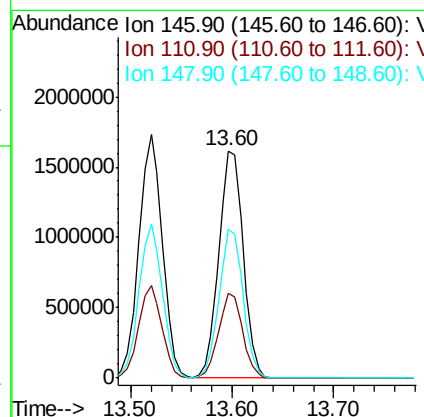
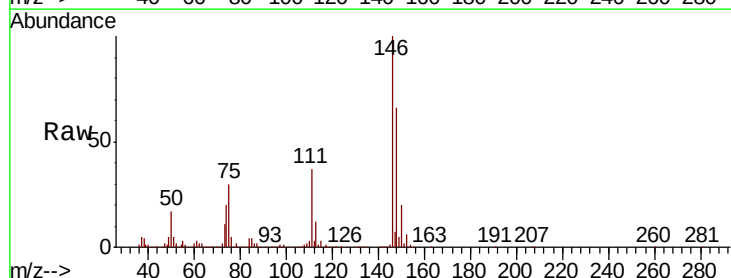
Manual Integrations
 APPROVED

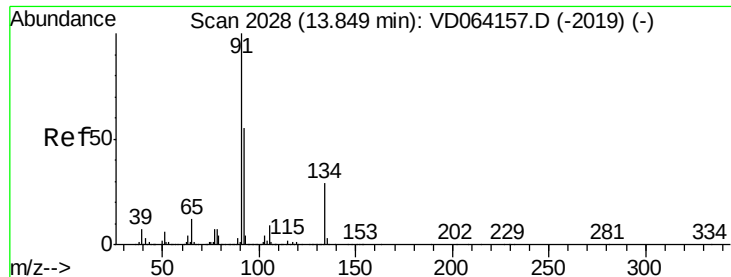
MMDadoda
 11/13/2019 11:14:52 AM



#88
 1,4-Dichlorobenzene
 Concen: 137.790 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion:146 Resp: 2700135
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.1 54.4
 148 64.5 31.9 95.7





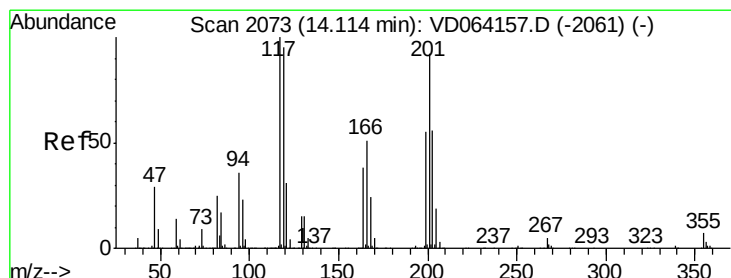
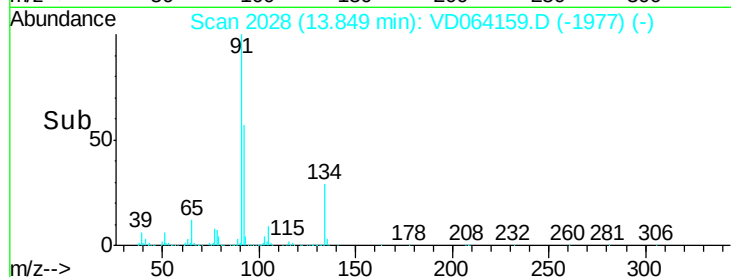
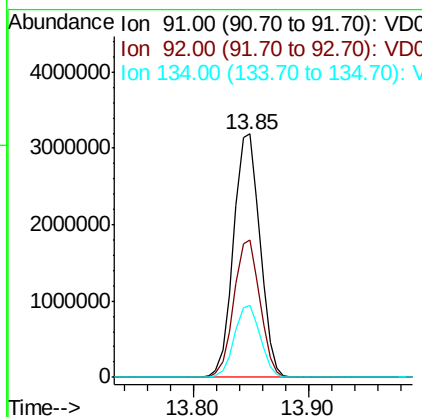
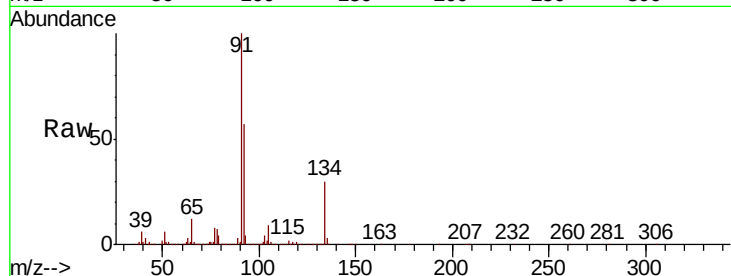
#89
n-Butylbenzene
Concen: 138.471 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 5051193
Ion Ratio Lower Upper
91 100
92 55.6 27.3 81.8
134 29.0 14.1 42.4

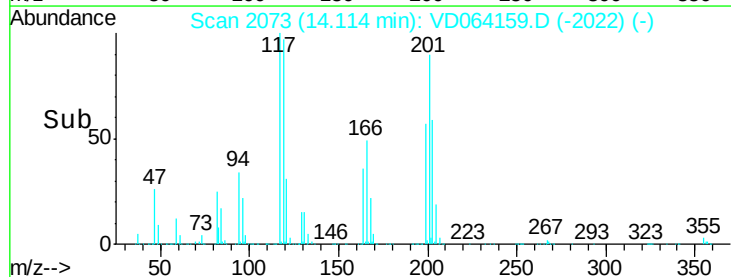
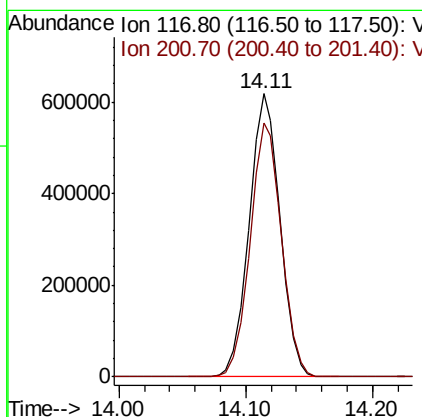
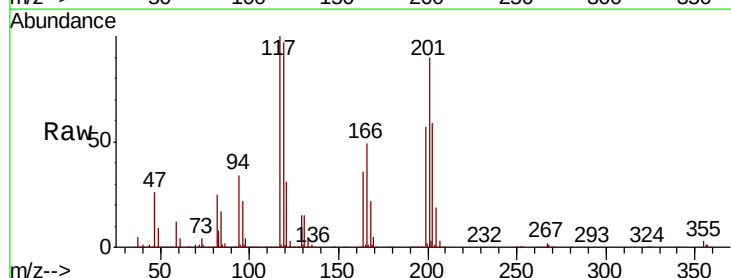
Manual Integrations
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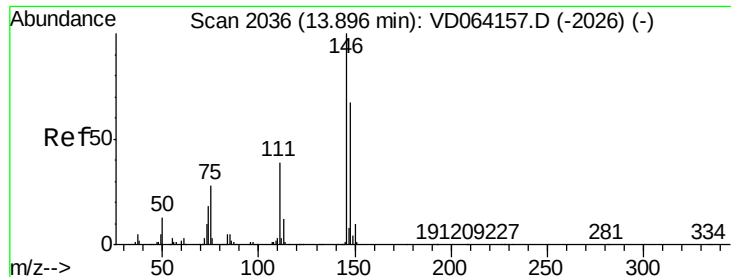
MMDadoda
11/13/2019 11:14:52 AM



#90
Hexachloroethane
Concen: 140.444 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion: 117 Resp: 1047150
Ion Ratio Lower Upper
117 100
201 90.5 45.8 137.4





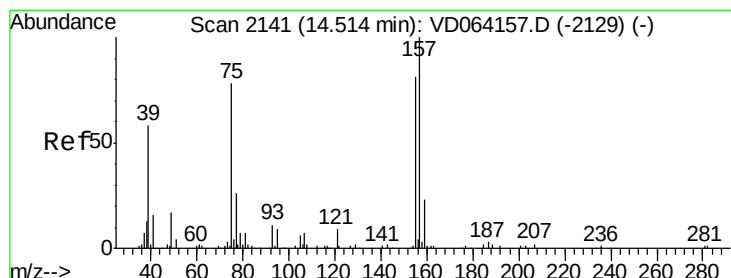
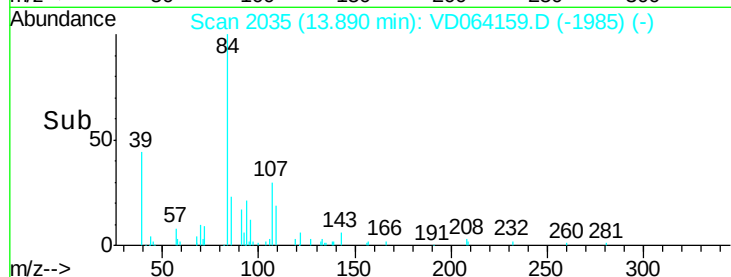
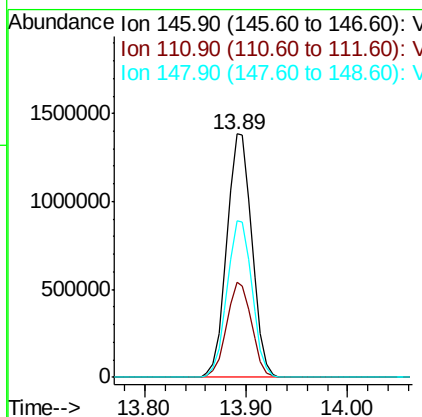
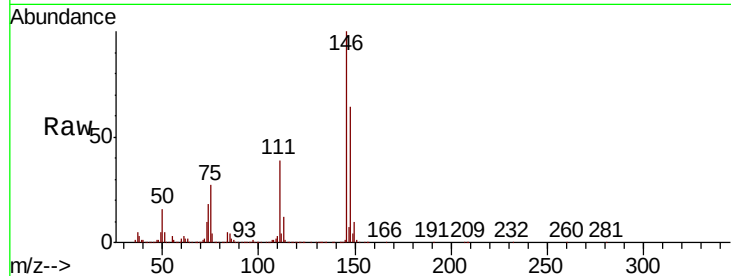
#91
 1,2-Dichlorobenzene
 Concen: 139.341 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.0
148	64.4	32.3	96.8

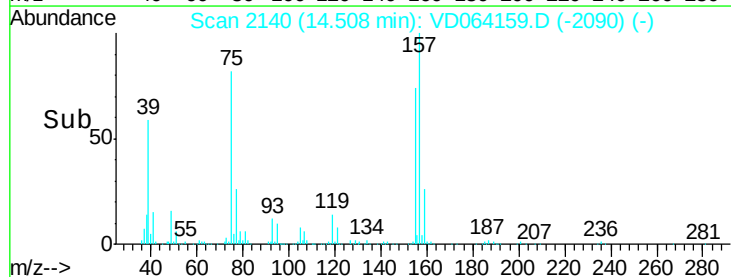
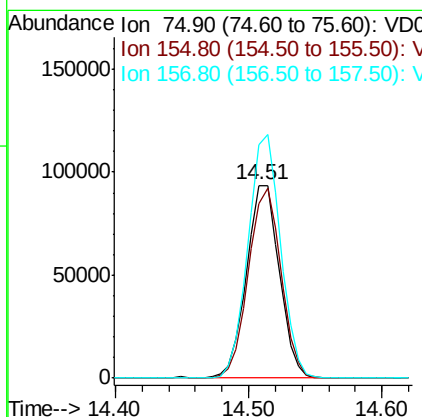
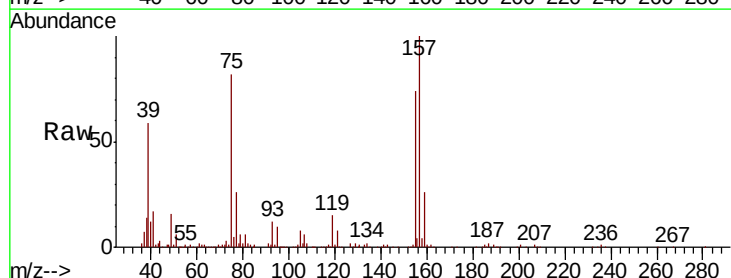
Manual Integrations
 APPROVED

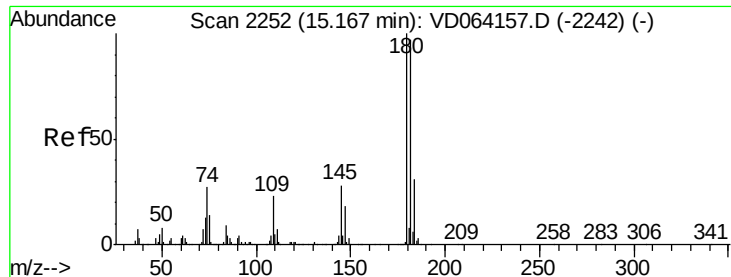
MMDadoda
 11/13/2019 11:14:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 162.222 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	48.0	144.0
157	124.6	61.5	184.4





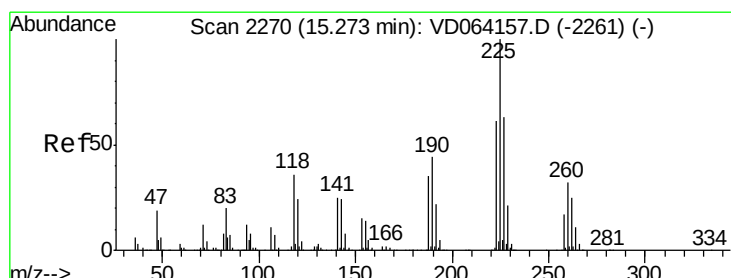
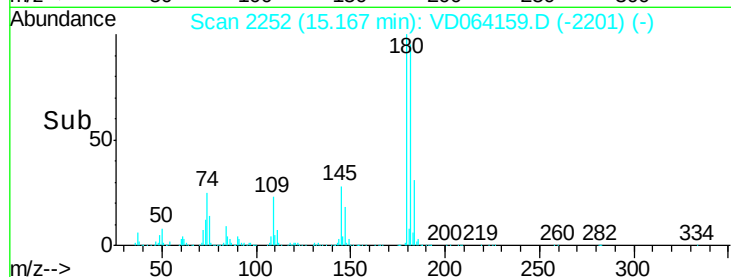
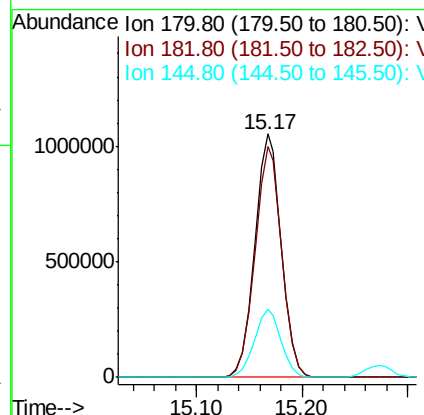
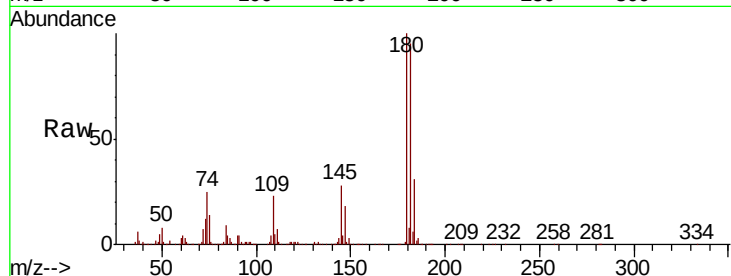
#93
 1,2,4-Trichlorobenzene
 Concen: 147.849 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.5
145	28.2	14.2	42.6

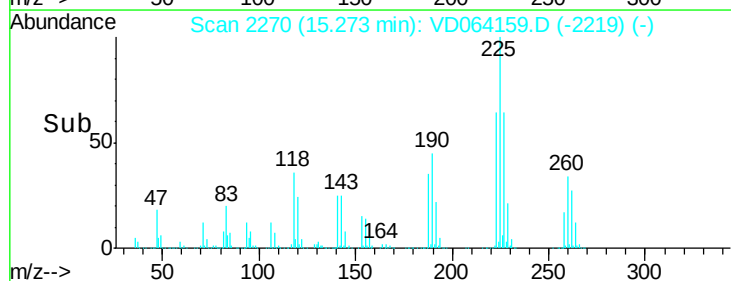
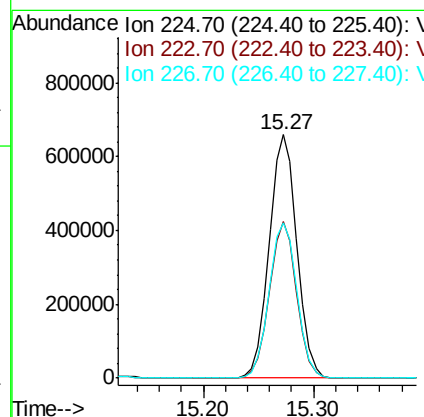
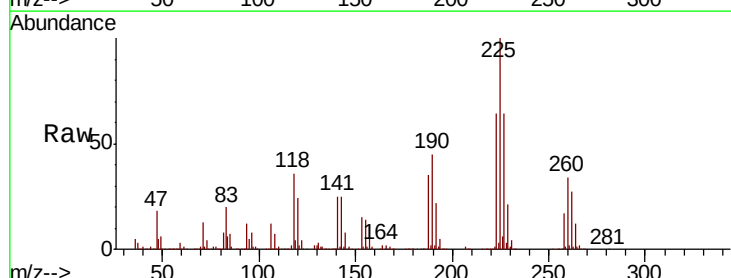
Manual Integrations
 APPROVED

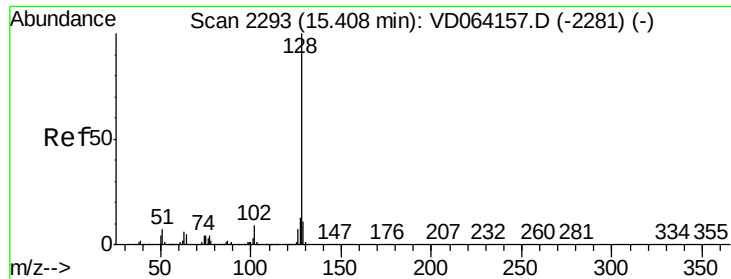
MMDadoda
 11/13/2019 11:14:52 AM



#94
 Hexachlorobutadiene
 Concen: 156.772 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD064159.D
 Acq: 08 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.1	93.3
227	64.4	31.5	94.5





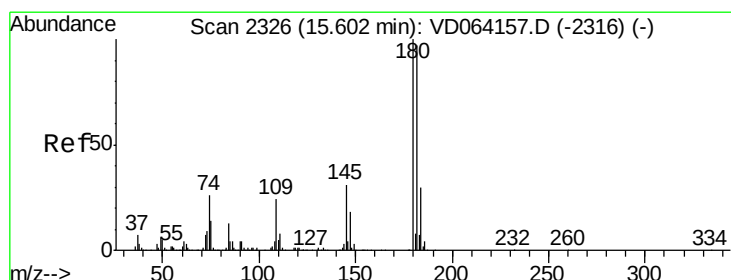
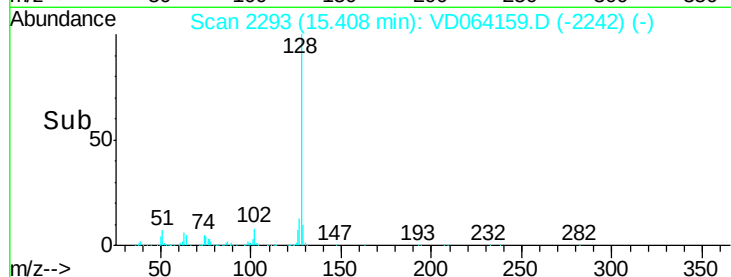
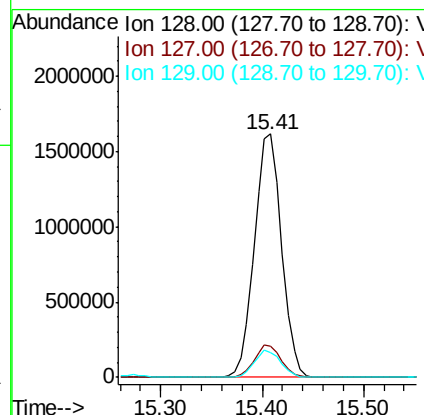
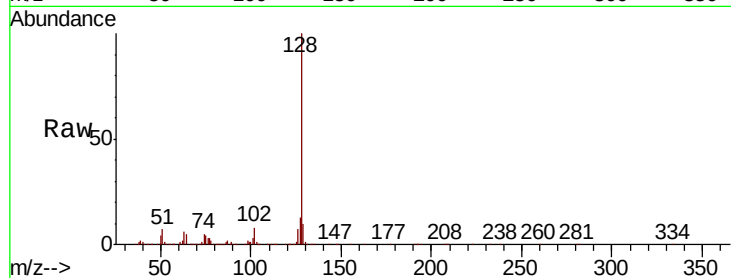
#95
Naphthalene
Concen: 148.982 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:14:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 144.821 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD064159.D
Acq: 08 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.3	144.9
145	30.4	15.3	45.8

