

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
 Data File : VD064163.D
 Acq On : 08 Nov 2019 19:14
 Operator : VA/SY
 Sample : VD1108SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1108SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:15:05 AM

Quant Time: Nov 11 08:32:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 11 08:23:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	826200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1182890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1015097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	490599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	358977	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
35) Dibromofluoromethane	7.92	113	347669	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
50) Toluene-d8	10.34	98	1337645	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.64	95	447929	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	128200	18.709	ug/l	95
3) Chloromethane	2.21	50	156392	21.278	ug/l	96
4) Vinyl Chloride	2.36	62	157743	20.070	ug/l	97
5) Bromomethane	2.76	94	104299	21.015	ug/l	97
6) Chloroethane	2.93	64	104160	20.740	ug/l	95
7) Trichlorofluoromethane	3.27	101	262435	20.594	ug/l	98
8) Diethyl Ether	3.71	74	69346	19.791	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	140054	19.229	ug/l	98
10) Methyl Iodide	4.30	142	140984	18.300	ug/l	98
11) Tert butyl alcohol	5.26	59	49932	105.208	ug/l	98
12) 1,1-Dichloroethene	4.06	96	136114	19.606	ug/l	93
13) Acrolein	3.93	56	33748	84.055	ug/l	95
14) Allyl chloride	4.71	41	236808	19.292	ug/l	96
15) Acrylonitrile	5.43	53	153770	102.944	ug/l	98
16) Acetone	4.17	43	140120	87.045	ug/l	93
17) Carbon Disulfide	4.40	76	420817	19.464	ug/l	99
18) Methyl Acetate	4.73	43	96281	21.415	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	328042	19.793	ug/l	97
20) Methylene Chloride	4.97	84	173914	21.388	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	153846	19.560	ug/l	96
22) Diisopropyl ether	6.37	45	453499	19.912	ug/l	97
23) Vinyl Acetate	6.31	43	1294891	101.998	ug/l	100
24) 1,1-Dichloroethane	6.27	63	261745	19.794	ug/l	99
25) 2-Butanone	7.23	43	204811	98.481	ug/l	99
26) 2,2-Dichloropropane	7.21	77	250217	19.295	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	166202	19.704	ug/l	99
28) Bromochloromethane	7.55	49	78450	17.040	ug/l	98
29) Tetrahydrofuran	7.57	42	131415	105.172	ug/l	98
30) Chloroform	7.71	83	269809	19.947	ug/l	95
31) Cyclohexane	7.98	56	252068	18.901	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	256222	19.782	ug/l	99
36) 1,1-Dichloropropene	8.11	75	213088	19.519	ug/l	100
37) Ethyl Acetate	7.30	43	93121	20.233	ug/l	99
38) Carbon Tetrachloride	8.10	117	225245	19.282	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	258735	18.730	ug/l	99
40) Benzene	8.36	78	581118	19.477	ug/l	99
41) Methacrylonitrile	7.53	41	61160	21.143	ug/l	94
42) 1,2-Dichloroethane	8.43	62	175939	19.634	ug/l	99
43) Isopropyl Acetate	8.46	43	193458	20.401	ug/l	99
44) Trichloroethene	9.11	130	175610	19.610	ug/l	97
45) 1,2-Dichloropropane	9.39	63	142540	19.628	ug/l	94
46) Dibromomethane	9.48	93	76612	19.706	ug/l	98
47) Bromodichloromethane	9.67	83	204374	19.516	ug/l	97
48) Methyl methacrylate	9.46	41	91388	19.709	ug/l	96
49) 1,4-Dioxane	9.47	88	18071	387.020	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	465598	102.388	ug/l	99
52) Toluene	10.40	92	377316	19.232	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	205803	19.616	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	236811	19.343	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	104812	19.873	ug/l	97
56) Ethyl methacrylate	10.67	69	145781	19.759	ug/l #	95
57) 1,3-Dichloropropane	10.95	76	182873	19.882	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	293304	98.142	ug/l	99
59) 2-Hexanone	10.99	43	326260	100.846	ug/l	99
60) Dibromochloromethane	11.14	129	140792	19.131	ug/l	98
61) 1,2-Dibromoethane	11.25	107	104597	19.800	ug/l	98
64) Tetrachloroethene	10.88	164	156057	19.989	ug/l	95
65) Chlorobenzene	11.67	112	399415	19.350	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	150077	19.121	ug/l	98
67) Ethyl Benzene	11.75	91	725372	19.427	ug/l	99
68) m/p-Xylenes	11.86	106	546440	38.181	ug/l	100
69) o-Xylene	12.18	106	261051	19.667	ug/l	97
70) Styrene	12.20	104	435792	18.809	ug/l	98
71) Bromoform	12.37	173	88758	19.870	ug/l #	96
73) Isopropylbenzene	12.48	105	690890	19.186	ug/l	100
74) N-amyl acetate	12.29	43	172154	20.245	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	109739	20.225	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	81838m	20.710	ug/l	
77) Bromobenzene	12.77	156	171129	19.561	ug/l	96
78) n-propylbenzene	12.83	91	801443	19.480	ug/l	99
79) 2-Chlorotoluene	12.91	91	447758	19.277	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	564159	19.066	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	39843	20.028	ug/l	99
82) 4-Chlorotoluene	13.01	91	475079	19.609	ug/l	99
83) tert-Butylbenzene	13.23	119	511355	19.599	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	562707	19.263	ug/l	100
85) sec-Butylbenzene	13.41	105	674324	19.243	ug/l	99
86) p-Isopropyltoluene	13.52	119	631229	18.947	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	307703	18.948	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	311532	19.656	ug/l	98
89) n-Butylbenzene	13.85	91	567154	18.843	ug/l	100
90) Hexachloroethane	14.12	117	118151	19.190	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	263582	19.176	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20702	21.339	ug/l	92

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ClientSampleId :
VD1108SBSD01

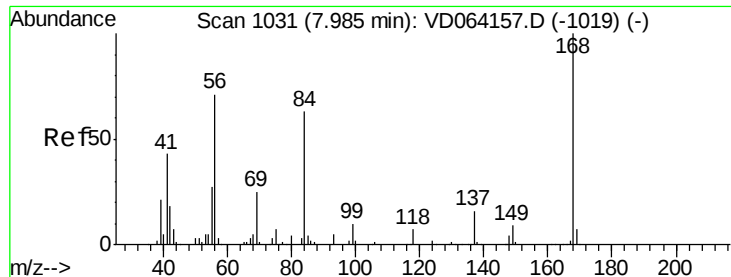
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	199619	18.826	ug/l	97
94) Hexachlorobutadiene	15.27	225	128796	18.806	ug/l	99
95) Naphthalene	15.41	128	345830	19.897	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	174891	19.404	ug/l	99

(#) = 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: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

VD1108SBS01

Tot Ion:168 Resp: 826200

Ion Ratio Lower Upper

168 100

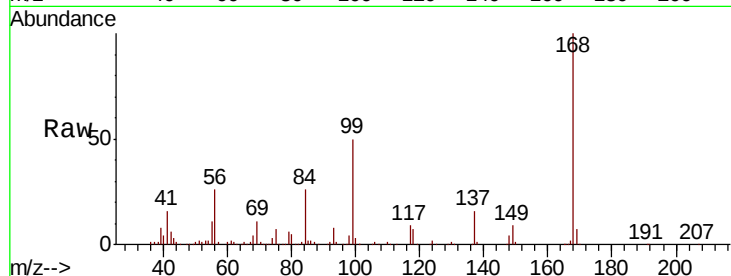
99 49.5 41.6 62.4

Manual Integrations

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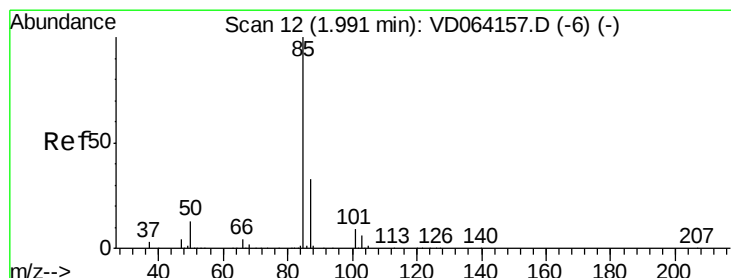
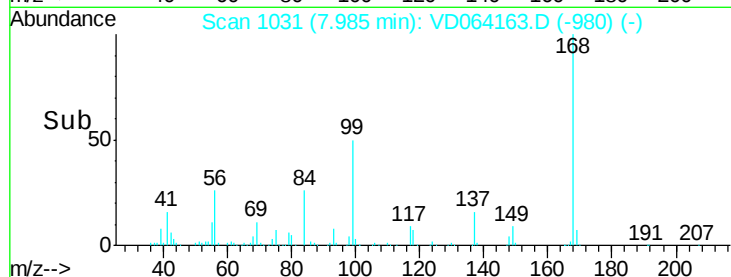
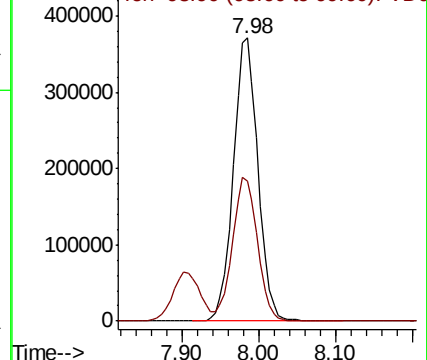
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11/13/2019 11:15:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.709 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064163.D

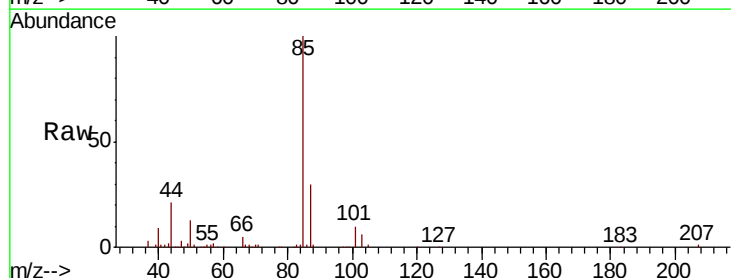
Acq: 08 Nov 2019 19:14

Tgt Ion: 85 Resp: 128200

Ion Ratio Lower Upper

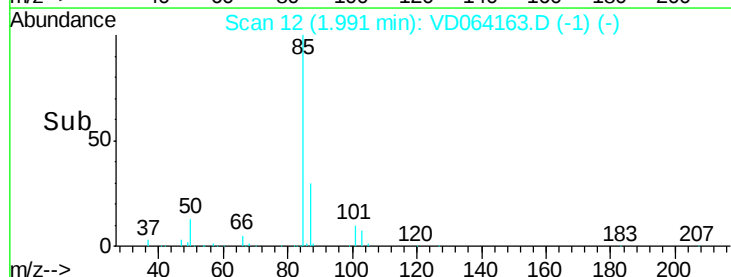
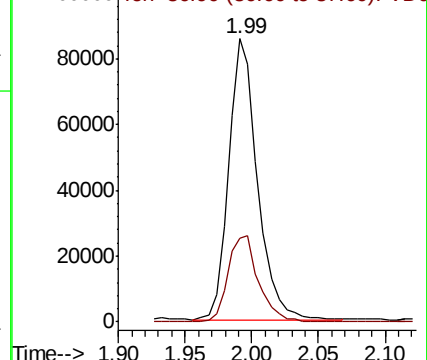
85 100

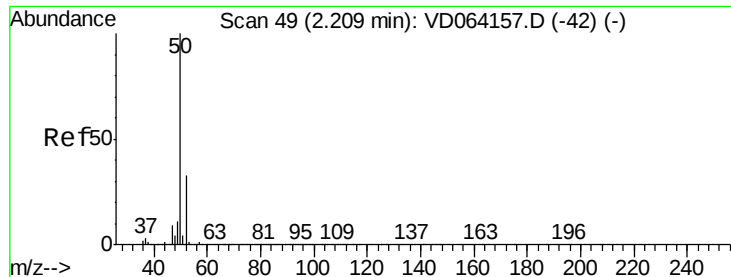
87 29.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.278 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

VD1108SBS01

Tot Ion: 50 Resp: 156392

Ion Ratio Lower Upper

50 100

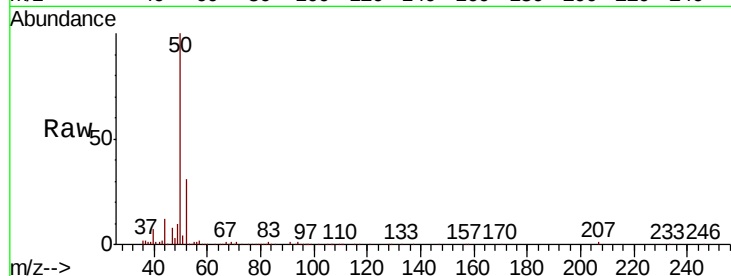
52 30.7 26.2 39.4

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

120000

100000

80000

60000

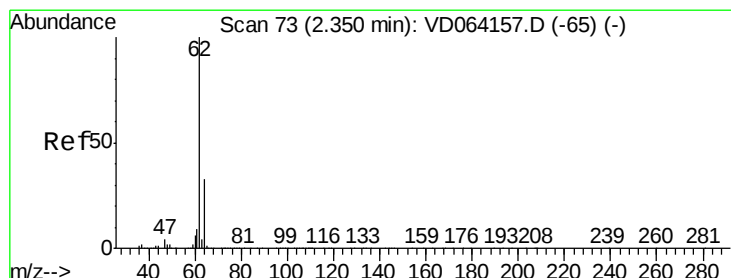
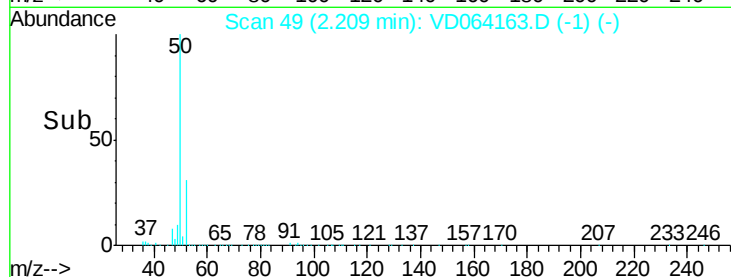
40000

20000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 20.070 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064163.D

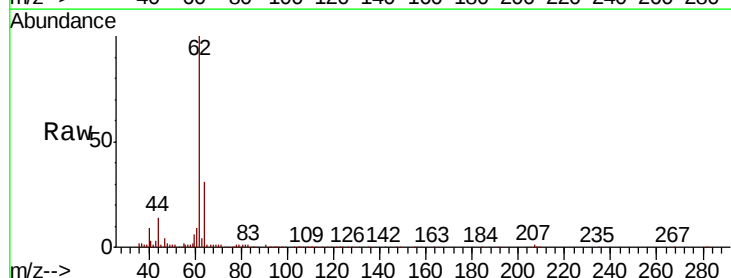
Acq: 08 Nov 2019 19:14

Tgt Ion: 62 Resp: 157743

Ion Ratio Lower Upper

62 100

64 31.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

100000

80000

60000

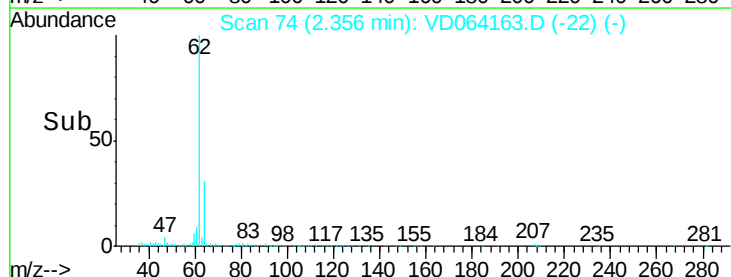
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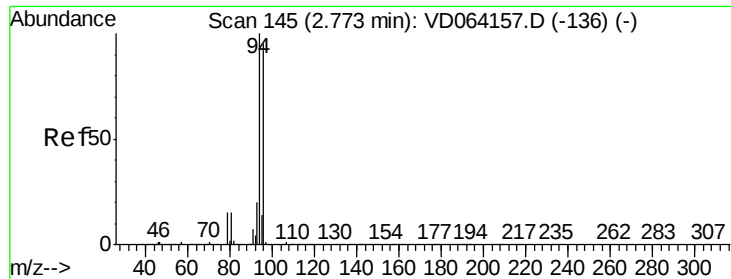
20000

0

2.30 2.35 2.40 2.45

Time-->





#5

Bromomethane

Concen: 21.015 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

VD1108SBS01

Tot Ion: 94 Resp: 104299

Ion Ratio Lower Upper

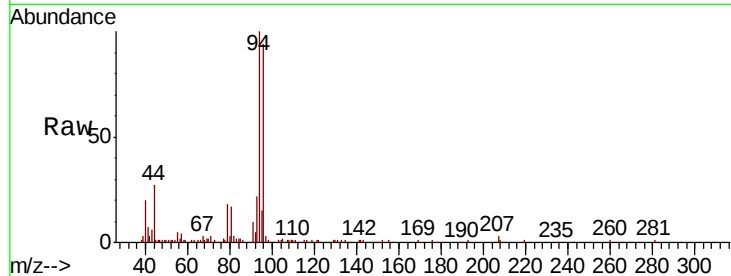
94 100

96 92.2 76.2 114.4

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

30000

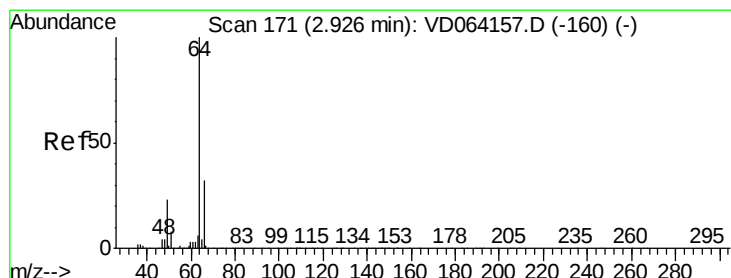
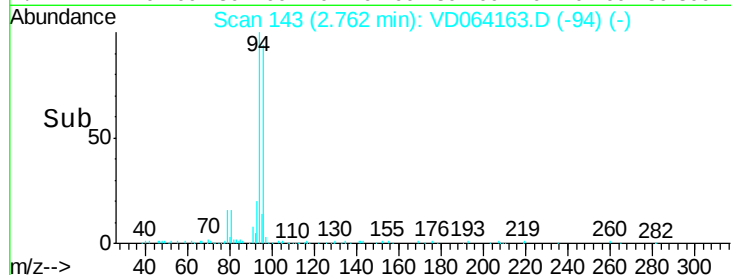
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 20.740 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064163.D

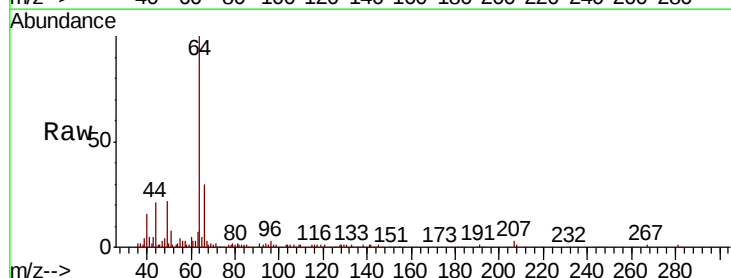
Acq: 08 Nov 2019 19:14

Tgt Ion: 64 Resp: 104160

Ion Ratio Lower Upper

64 100

66 29.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

60000

50000

40000

30000

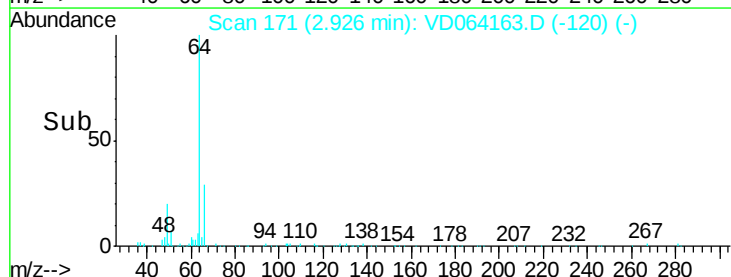
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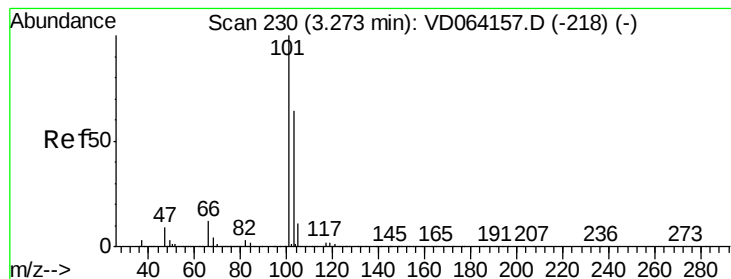
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Time-->

2.85 2.90 2.95 3.00





#7

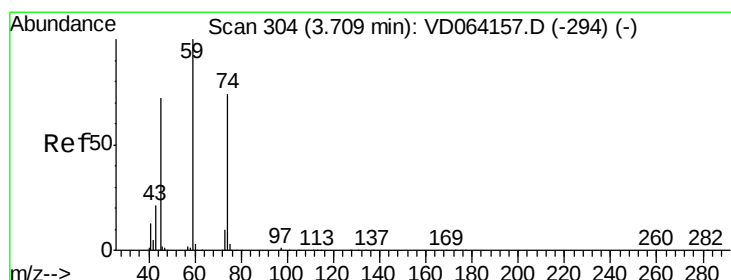
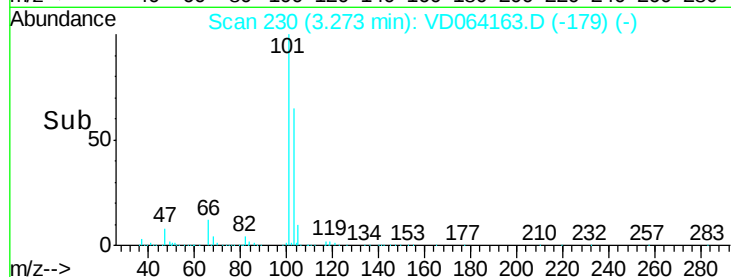
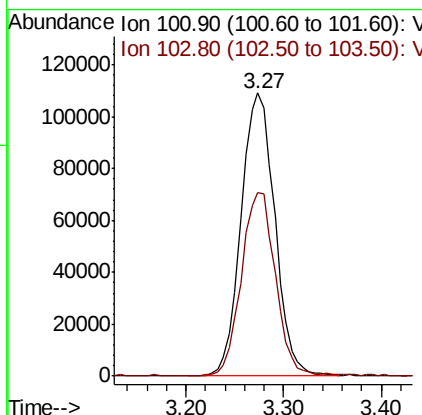
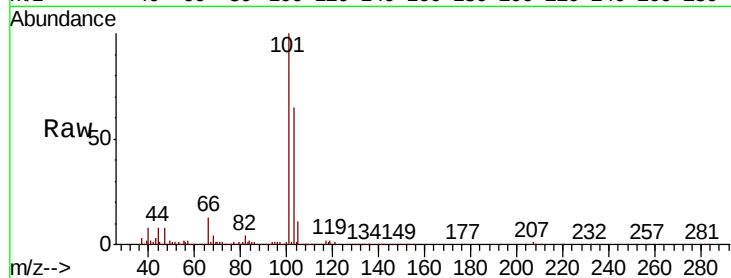
Trichlorofluoromethane
Concen: 20.594 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

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VD1108SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	50.8	76.2

Manual Integrations
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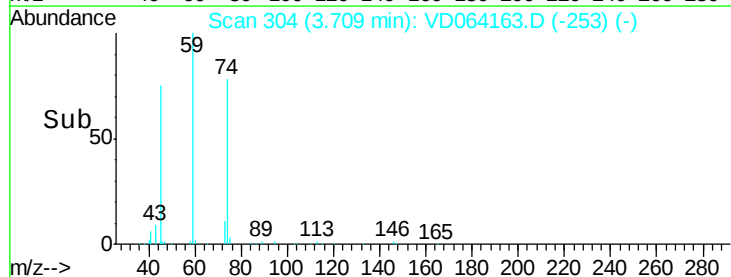
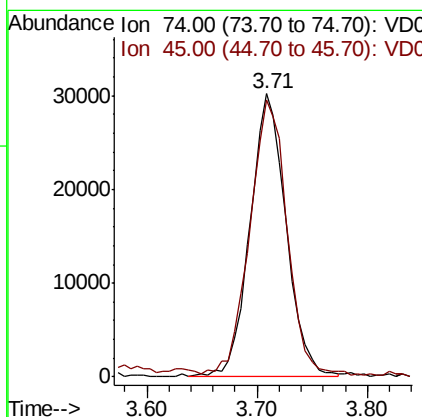
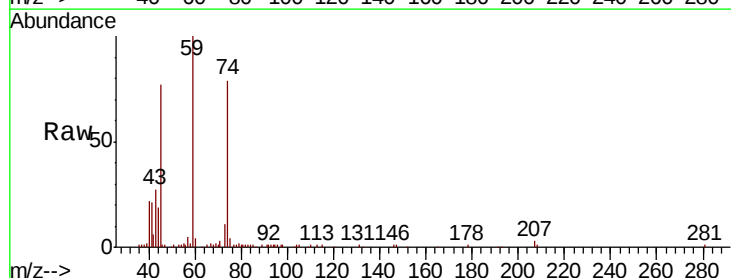
MMDadoda
11/13/2019 11:15:05 AM

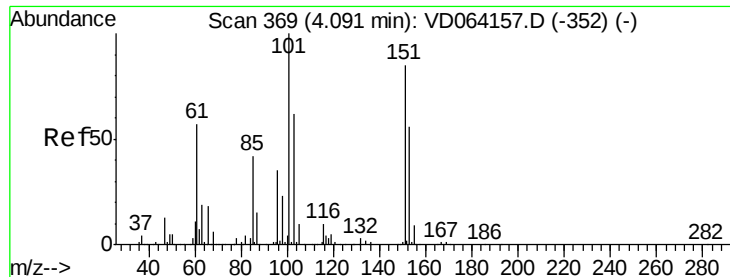


#8

Diethyl Ether
Concen: 19.791 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.7	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.229 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

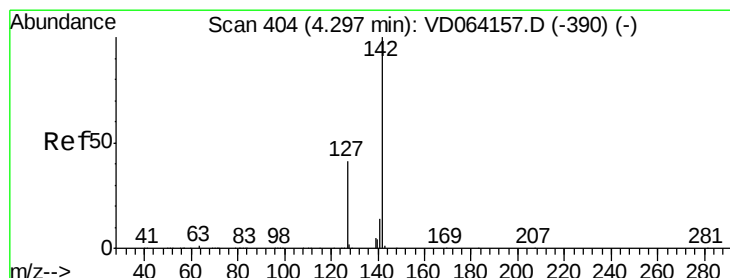
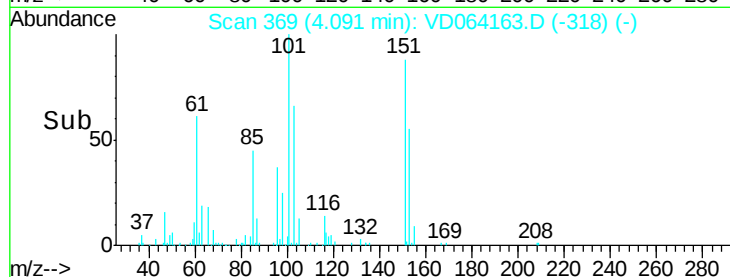
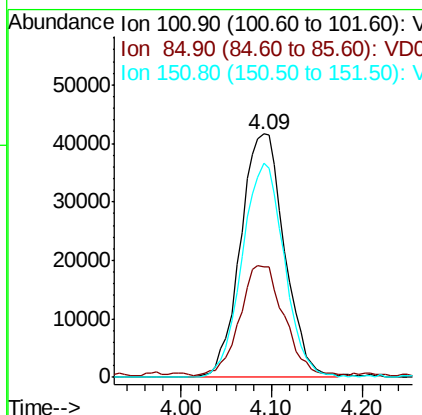
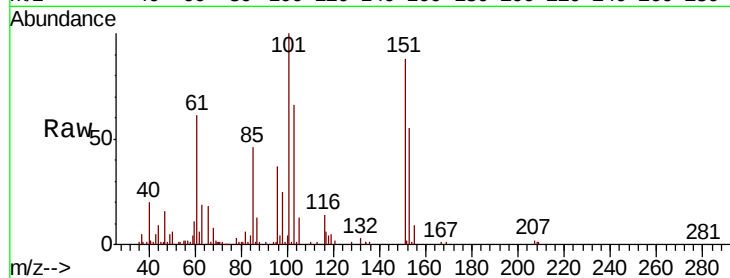
ClientSampleId :

VD1108SBS01

Tot Ion:	101	Resp:	140054
Ion Ratio	Lower	Upper	
101	100		
85	45.4	34.4	51.6
151	84.3	68.1	102.1

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#10

Methyl Iodide

Concen: 18.300 ug/l

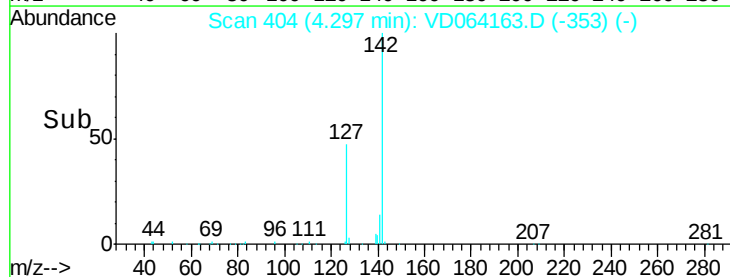
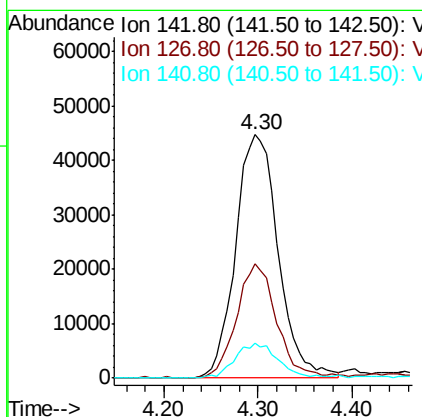
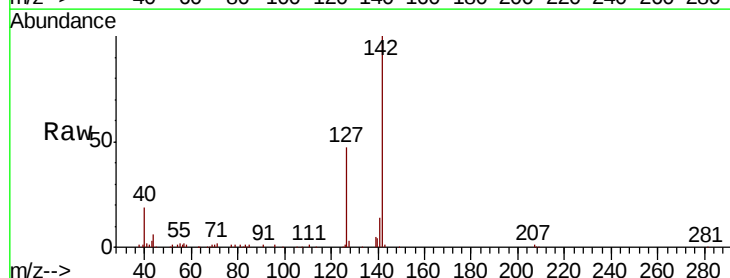
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Tgt Ion:	142	Resp:	140984
Ion Ratio	Lower	Upper	
142	100		
127	44.2	34.4	51.6
141	14.4	11.2	16.8





#11

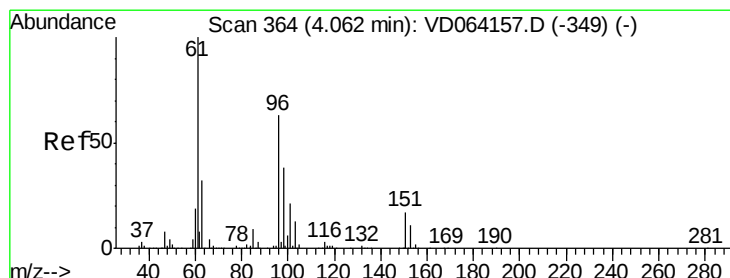
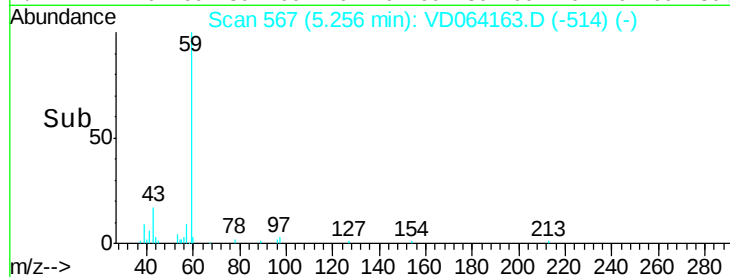
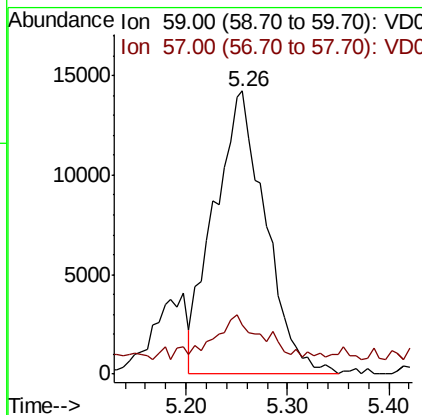
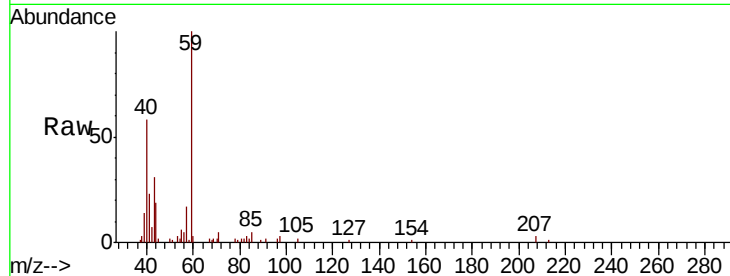
Tert butyl alcohol
 Concen: 105.208 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1108SBS01

Tot Ion	59	Resp	49932
Ion Ratio	100	Lower	Upper
57	11.0	9.4	14.2

Manual Integrations
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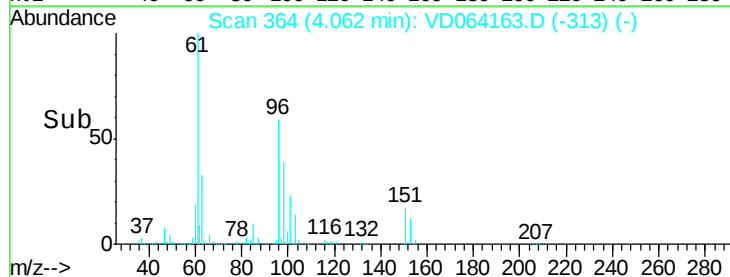
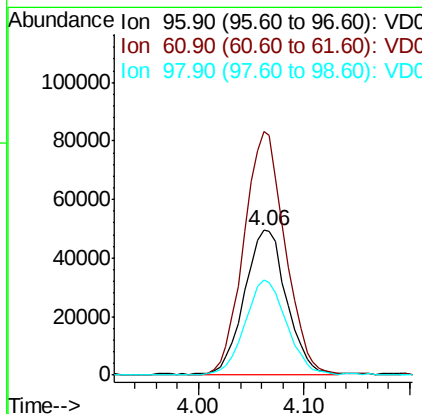
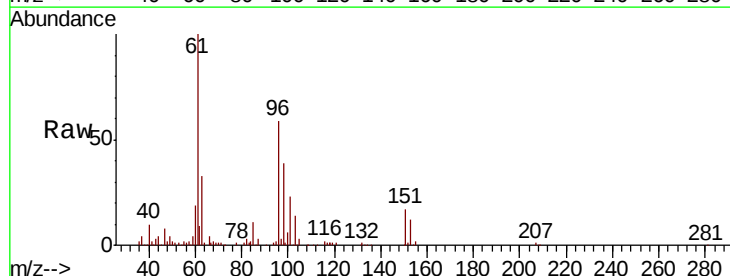
MMDadoda
 11/13/2019 11:15:05 AM

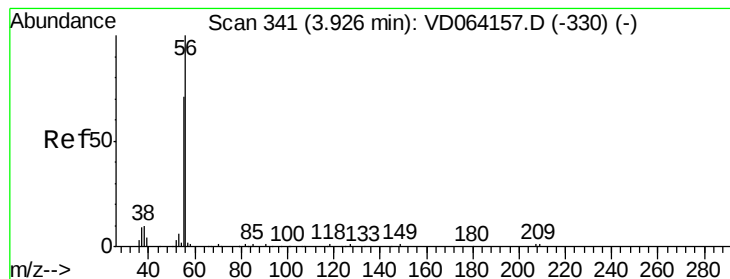


#12

1,1-Dichloroethene
 Concen: 19.606 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Tgt Ion	96	Resp	136114
Ion Ratio	100	Lower	Upper
61	169.0	127.4	191.2
98	65.9	48.1	72.1





#13

Acrolein

Concen: 84.055 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

VD1108SBSD01

Tot Ion: 56 Resp: 33748

Ion Ratio Lower Upper

56 100

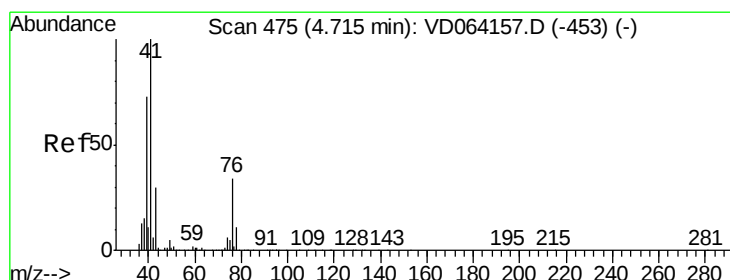
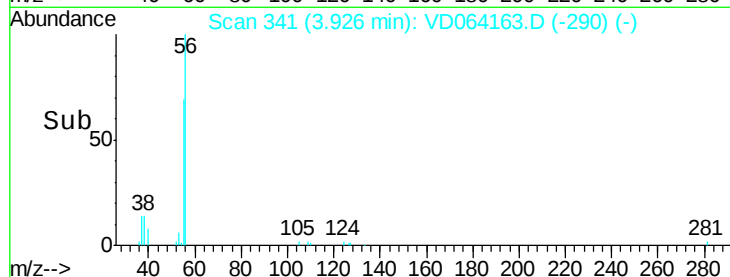
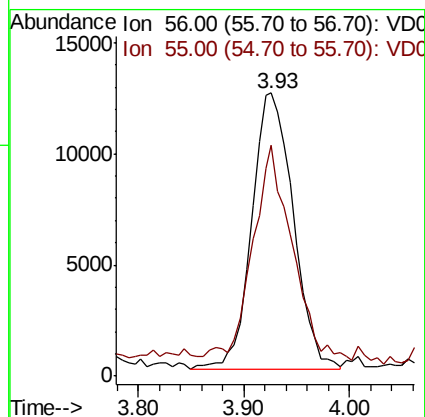
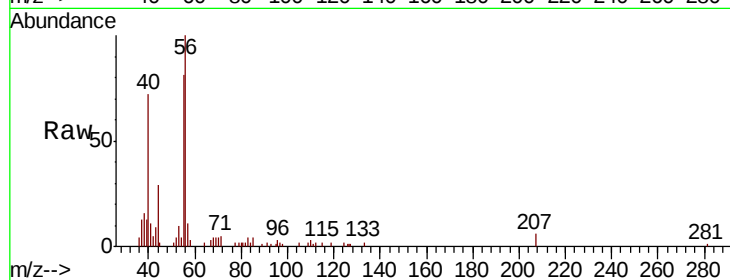
55 74.1 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.292 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

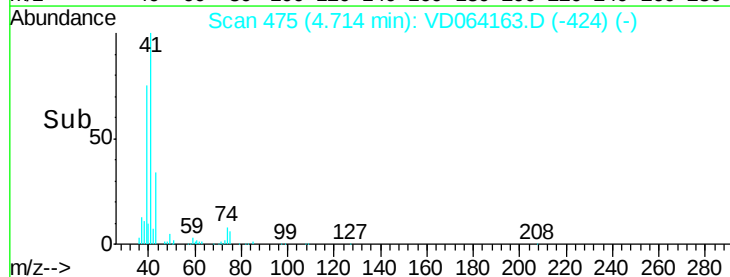
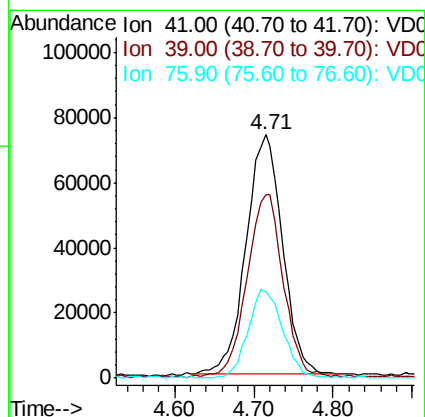
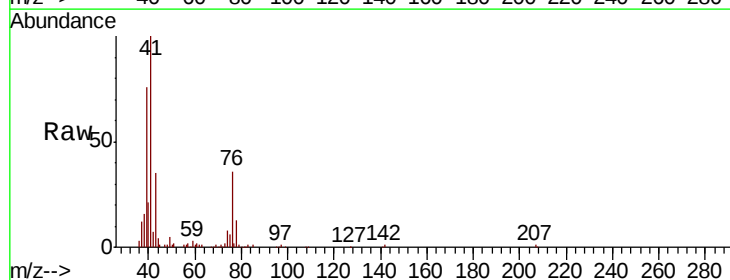
Tgt Ion: 41 Resp: 236808

Ion Ratio Lower Upper

41 100

39 75.4 57.5 86.3

76 35.1 26.8 40.2





#15

Acrylonitrile

Concen: 102.944 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

VD1108SBS01

Tot Ion: 53 Resp: 153770

Ion Ratio Lower Upper

53 100

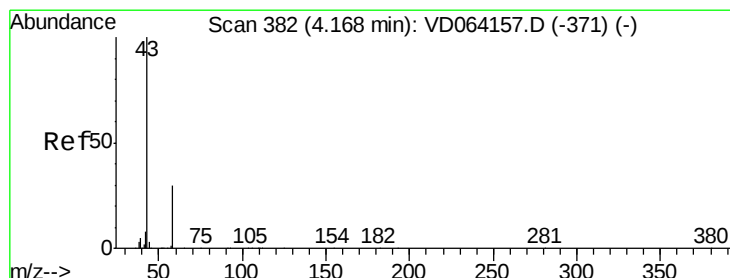
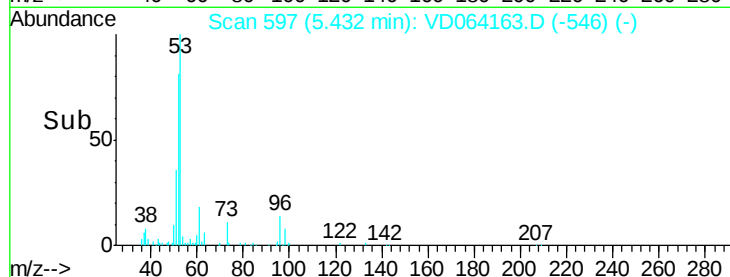
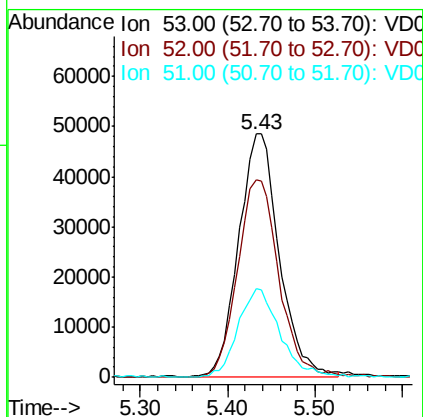
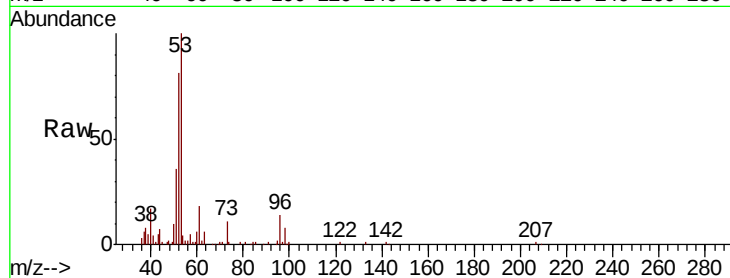
52 81.4 66.7 100.1

51 37.6 30.6 46.0

Manual Integrations
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#16

Acetone

Concen: 87.045 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064163.D

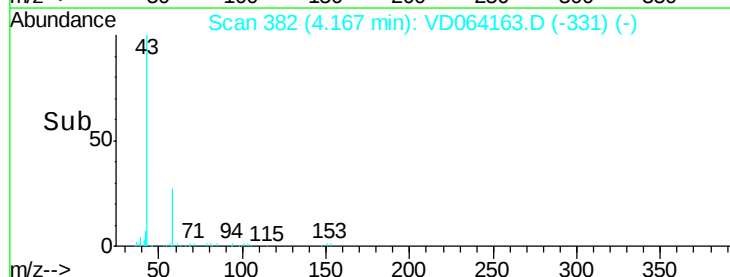
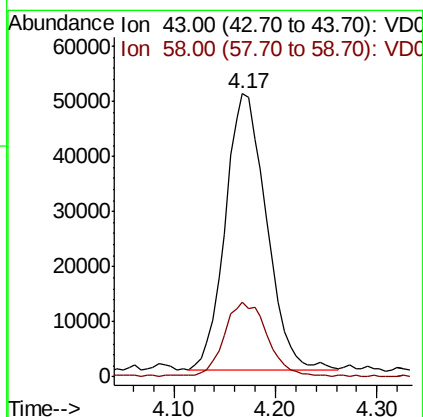
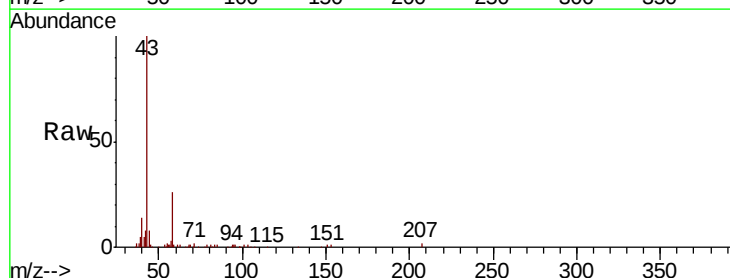
Acq: 08 Nov 2019 19:14

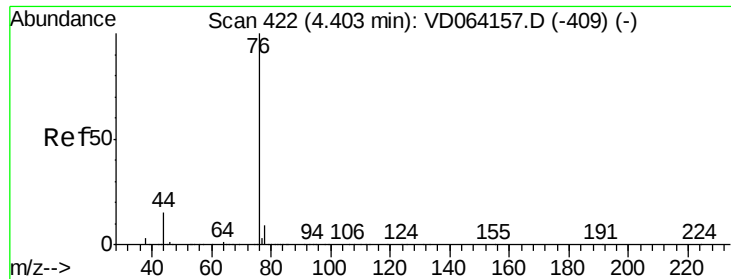
Tgt Ion: 43 Resp: 140120

Ion Ratio Lower Upper

43 100

58 26.4 24.1 36.1





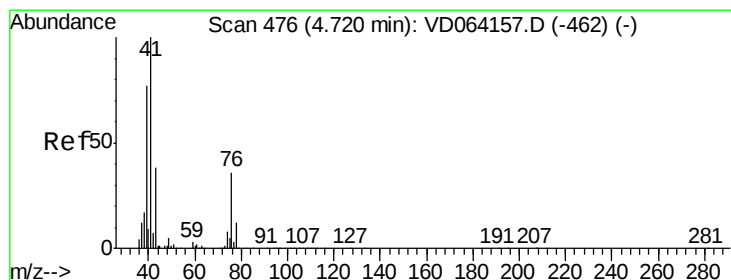
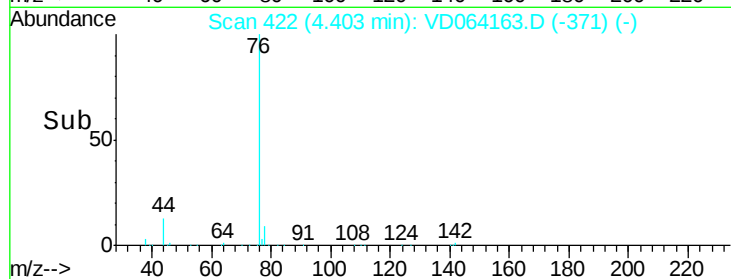
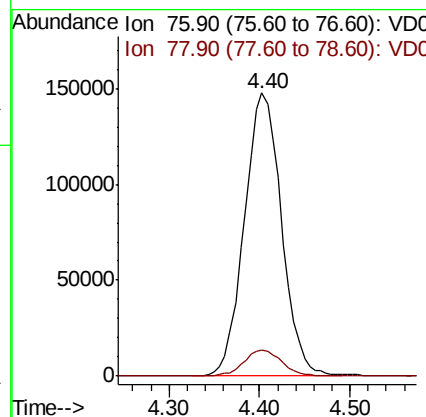
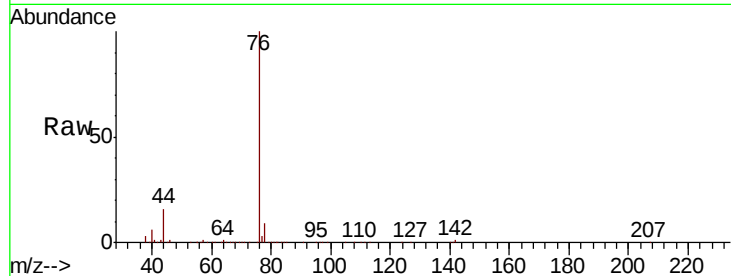
#17
Carbon Disulfide
Concen: 19.464 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

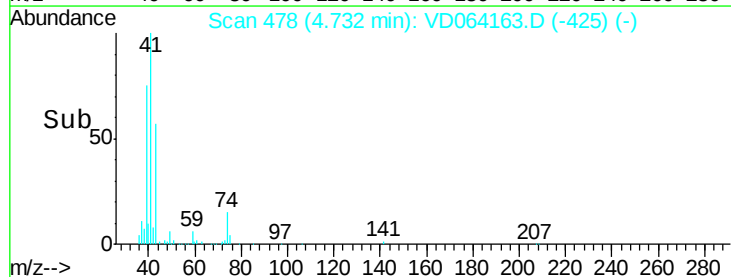
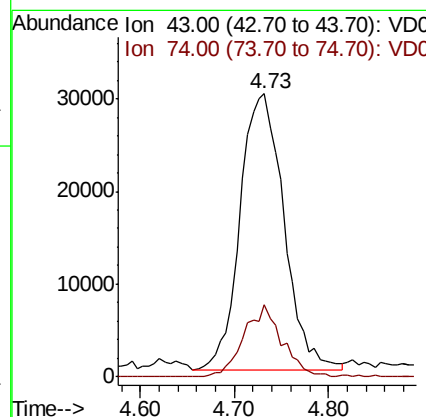
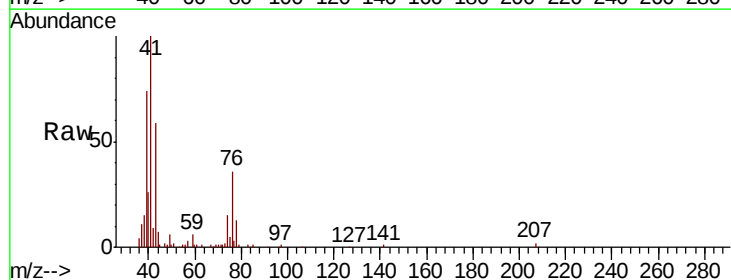
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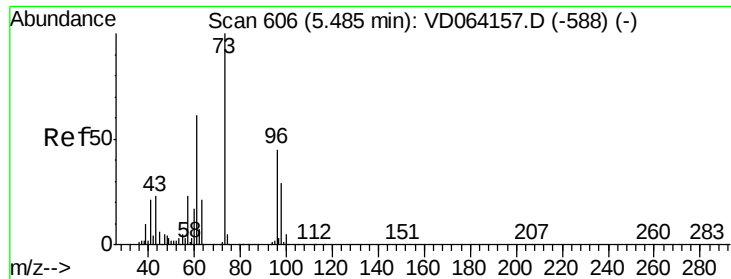
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#18
Methyl Acetate
Concen: 21.415 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	18.4	27.6





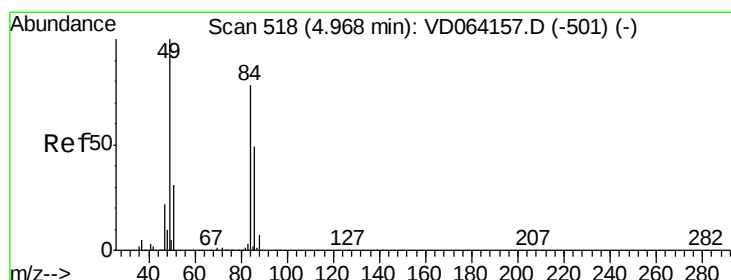
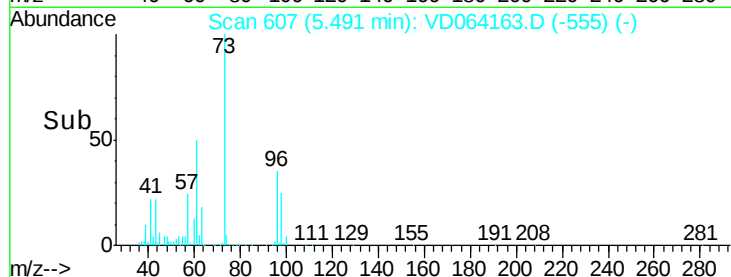
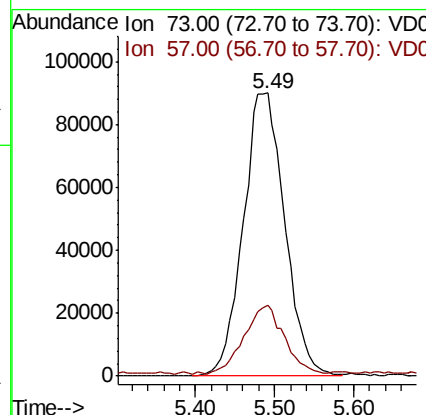
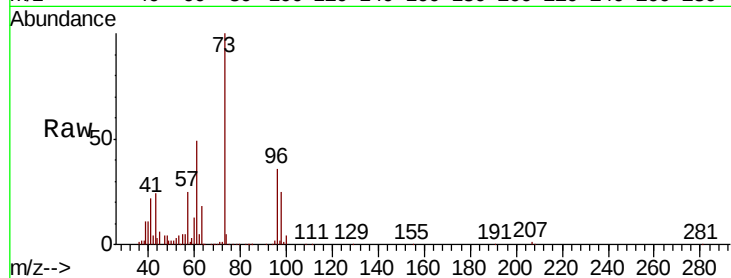
#19
Methyl tert-butyl Ether
Concen: 19.793 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

Tot Ion: 73 Resp: 328042
Ion Ratio Lower Upper
73 100
57 24.4 18.4 27.6

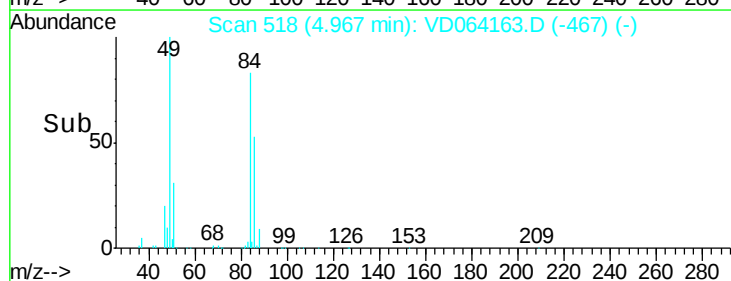
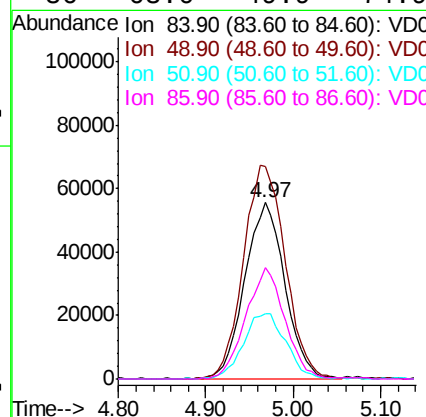
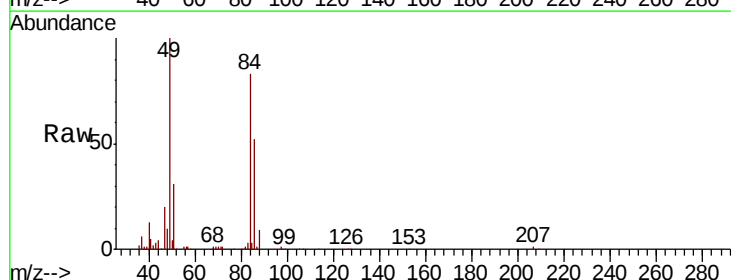
Manual Integrations
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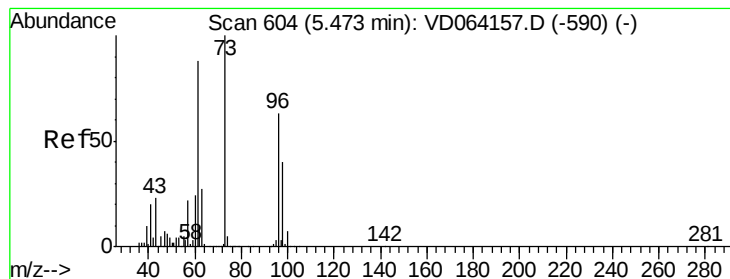
MMDadoda
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#20
Methylene Chloride
Concen: 21.388 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion: 84 Resp: 173914
Ion Ratio Lower Upper
84 100
49 120.9 102.1 153.1
51 37.1 32.2 48.2
86 63.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.560 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

VD1108SBS01

Tot Ion: 96 Resp: 153846

Ion Ratio Lower Upper

96 100

61 144.2 111.8 167.6

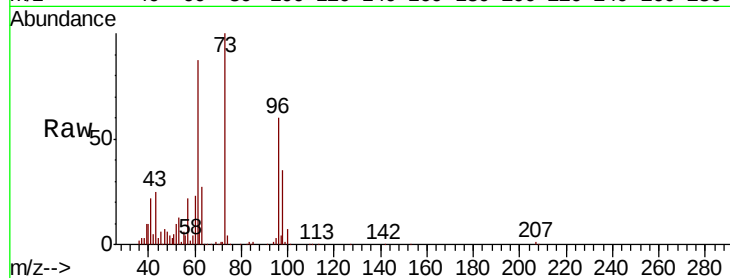
98 58.1 50.3 75.5

Manual Integrations

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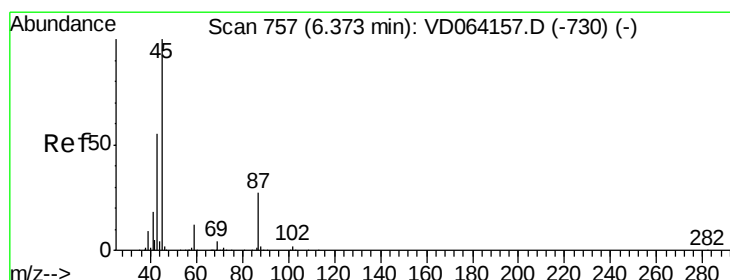
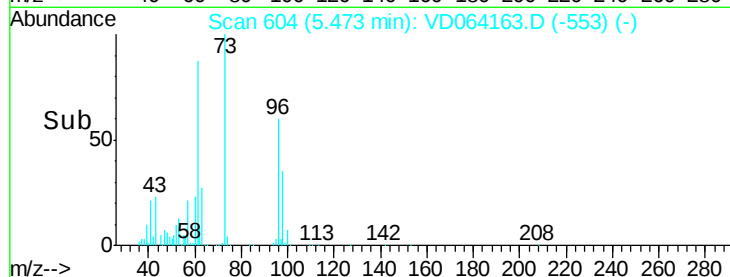
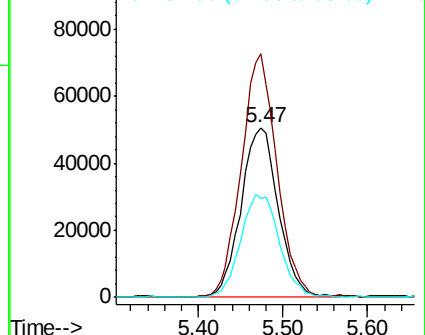


Abundance

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: 19.912 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Tgt Ion: 45 Resp: 453499

Ion Ratio Lower Upper

45 100

43 52.6 44.4 66.6

87 25.7 21.9 32.9

59 11.8 9.4 14.2

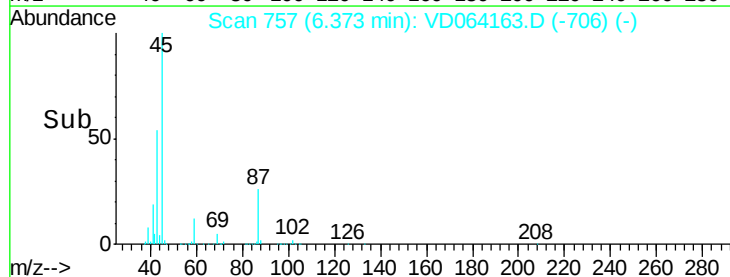
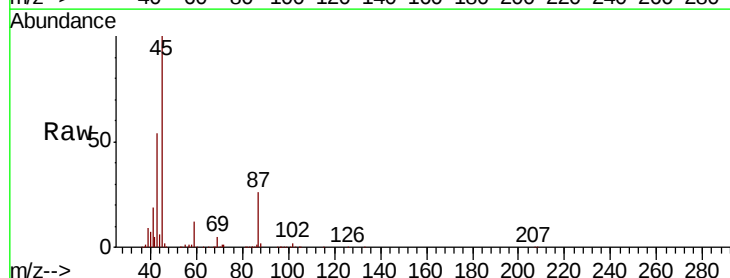
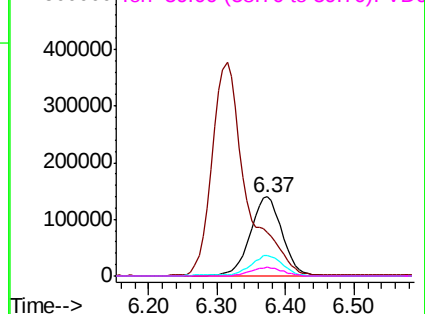
Abundance

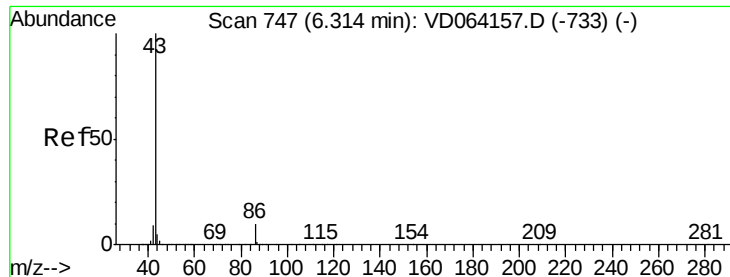
Ion 45.00 (44.70 to 45.70): VDC

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: 101.998 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

VD1108SBS01

Tot Ion: 43 Resp: 1294891

Ion Ratio Lower Upper

43 100

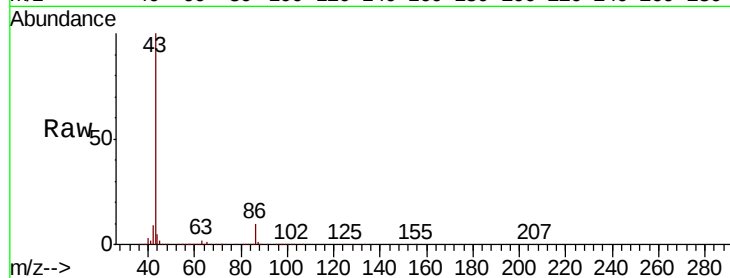
86 10.4 8.2 12.2

Manual Integrations

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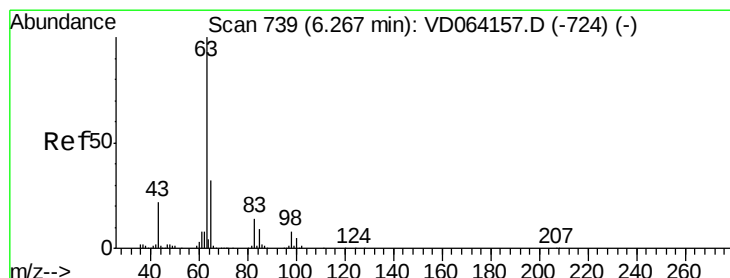
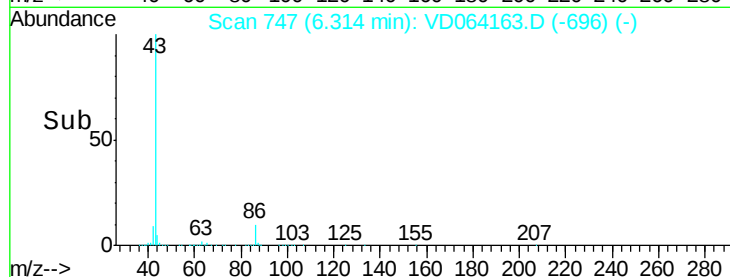
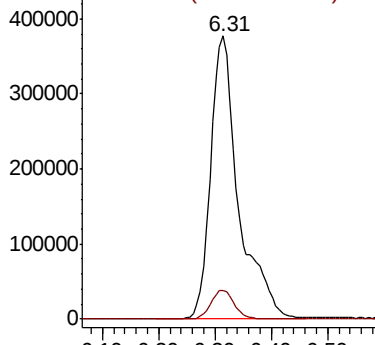
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.794 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

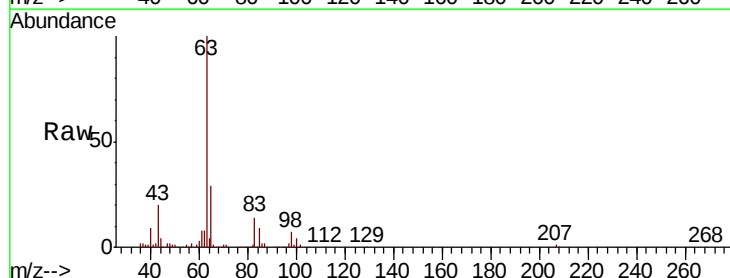
Tgt Ion: 63 Resp: 261745

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.4

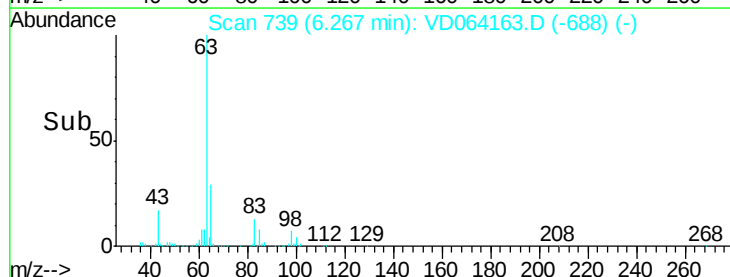
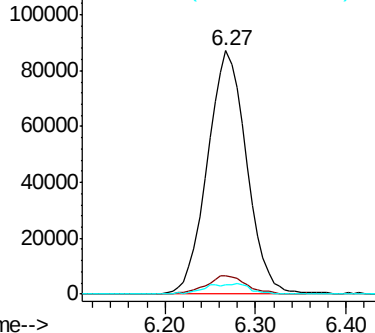
100 4.0 2.4 7.2

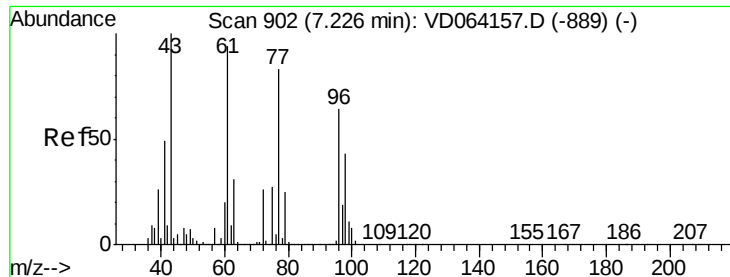


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 98.481 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

VD1108SBS01

Tot Ion: 43 Resp: 204811

Ion Ratio Lower Upper

43 100

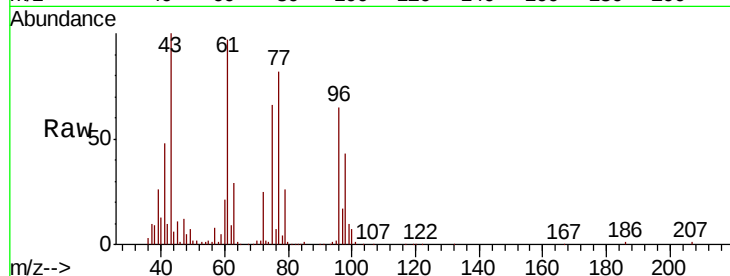
72 25.3 20.6 30.8

Manual Integrations

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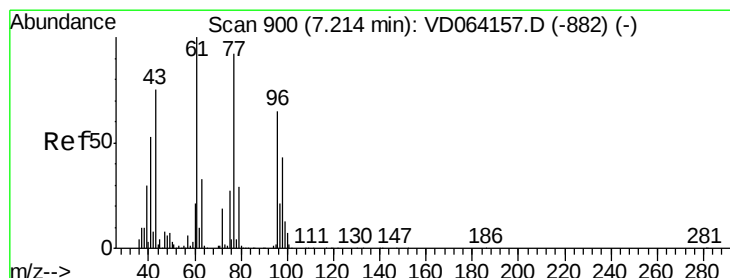
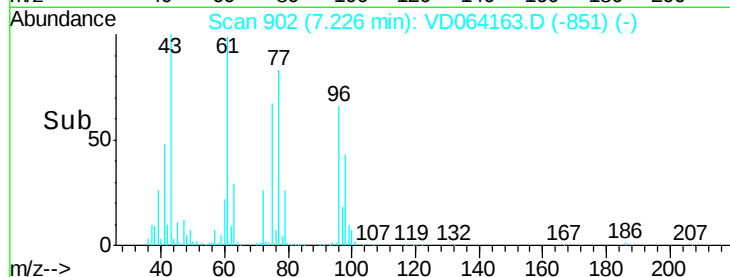
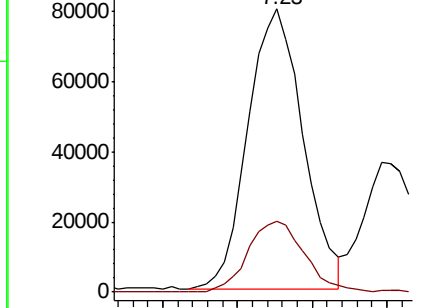
MMDadoda

11/13/2019 11:15:05 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: 19.295 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064163.D

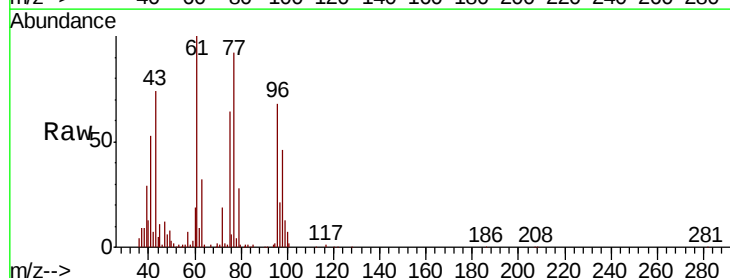
Acq: 08 Nov 2019 19:14

Tgt Ion: 77 Resp: 250217

Ion Ratio Lower Upper

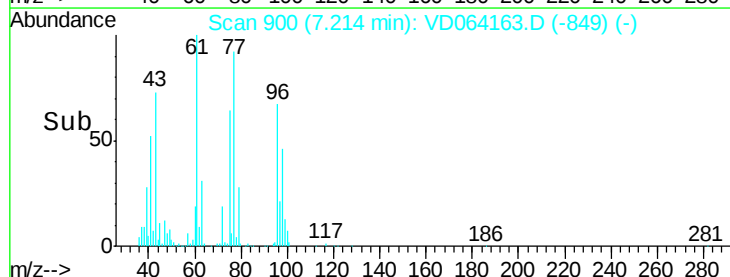
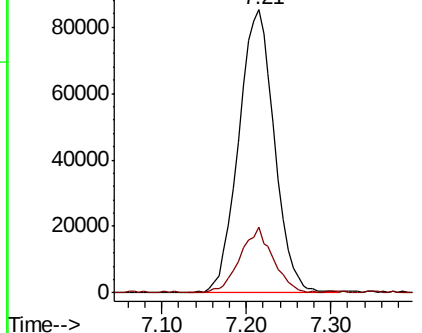
77 100

97 21.6 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

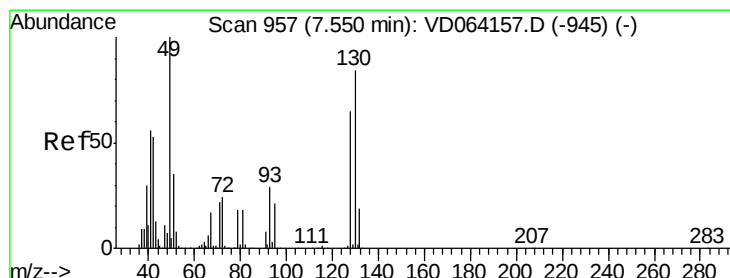
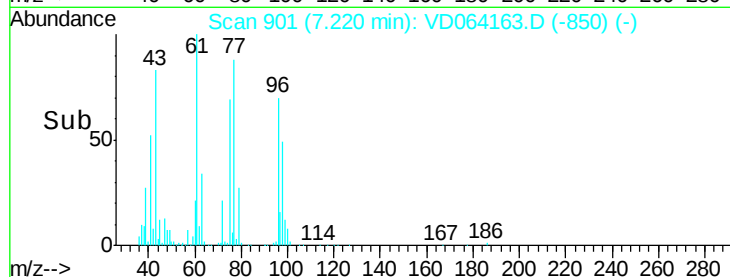
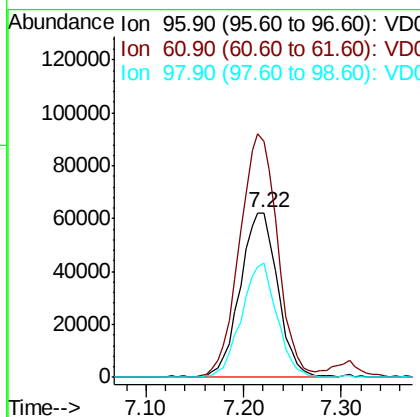
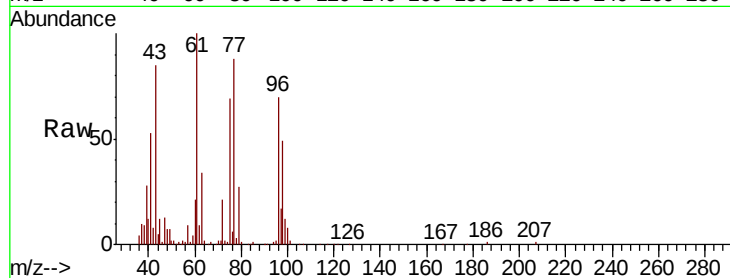
cis-1,2-Dichloroethene
Concen: 19.704 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	301.4
98	66.1	0.0	133.2

Manual Integrations
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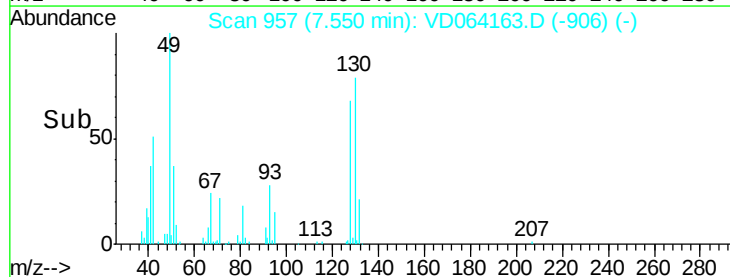
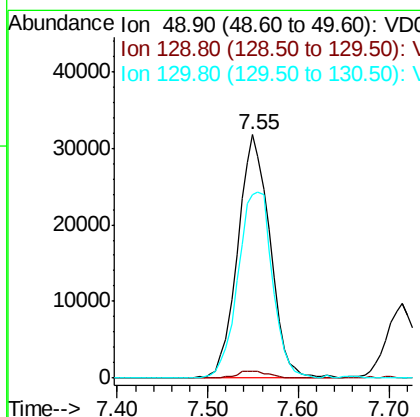
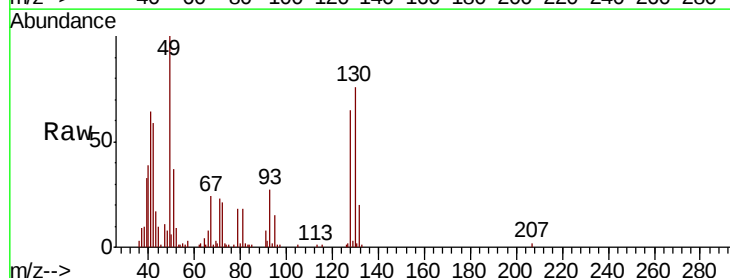
MMDadoda
11/13/2019 11:15:05 AM

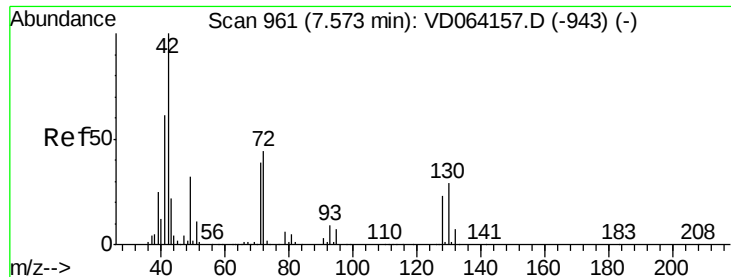


#28

Bromochloromethane
Concen: 17.040 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.4
130	81.7	66.8	100.2





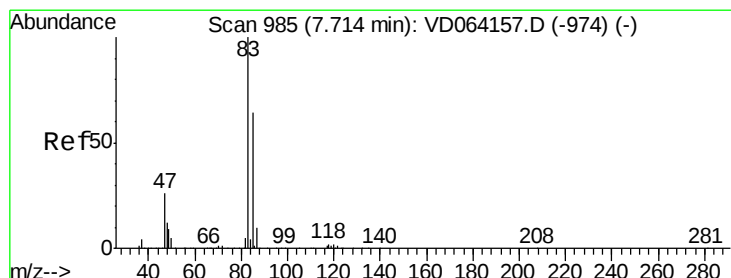
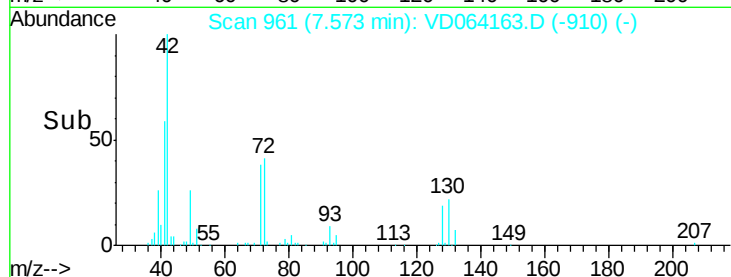
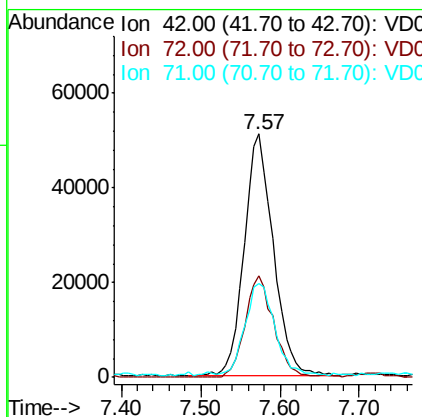
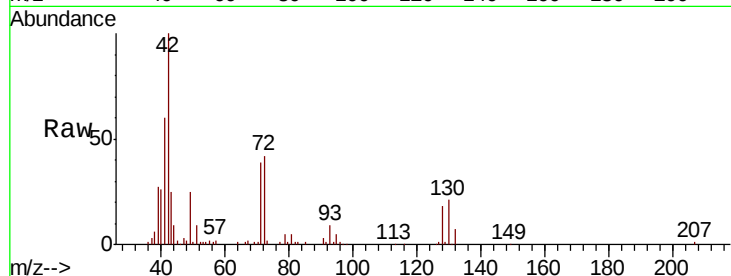
#29
Tetrahydrofuran
Concen: 105.172 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	33.4	50.2
71	39.8	31.0	46.4

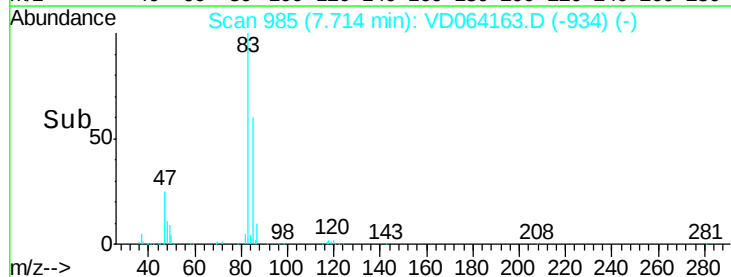
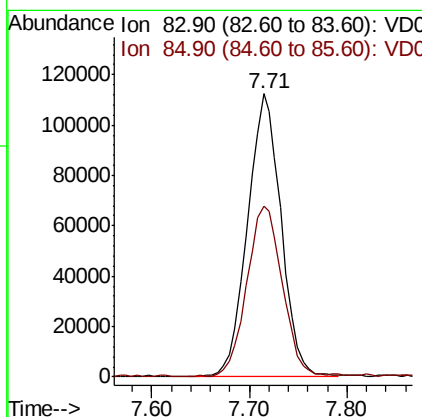
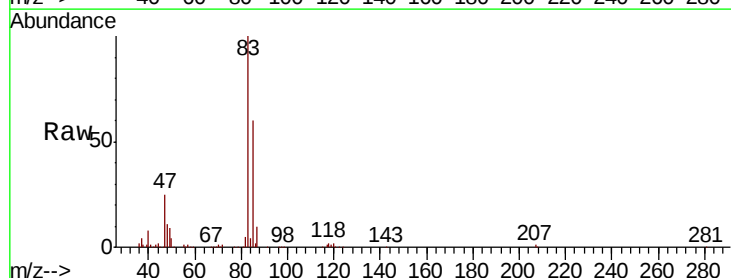
Manual Integrations
APPROVED

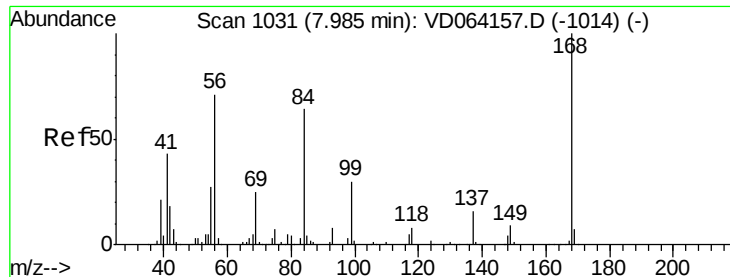
MMDadoda
11/13/2019 11:15:05 AM



#30
Chloroform
Concen: 19.947 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.1	51.4	77.0





#31

Cyclohexane

Concen: 18.901 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

VD1108SBS01

Tot Ion: 56 Resp: 252068

Ion Ratio Lower Upper

56 100

69 40.0 28.2 42.4

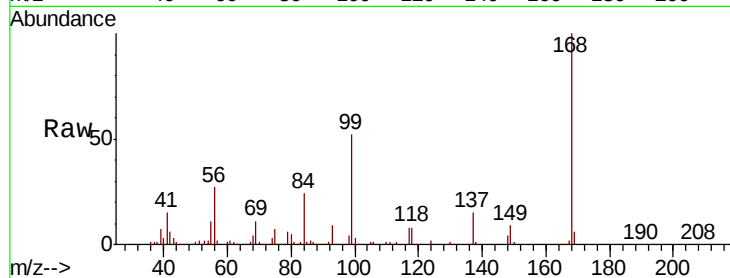
84 87.9 71.8 107.6

Manual Integrations

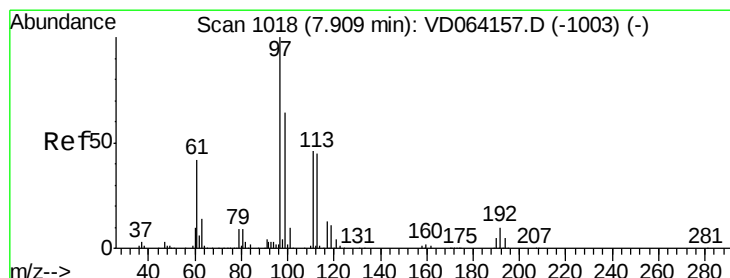
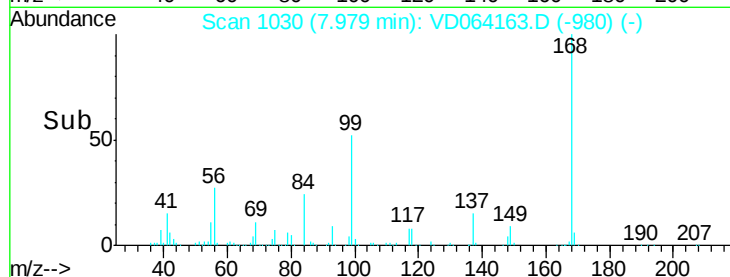
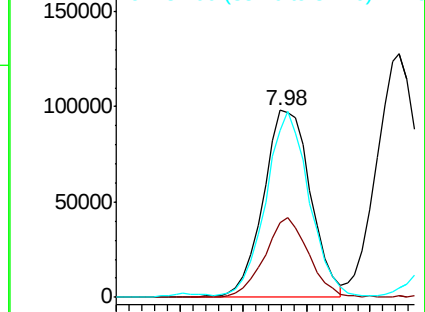
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 19.782 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

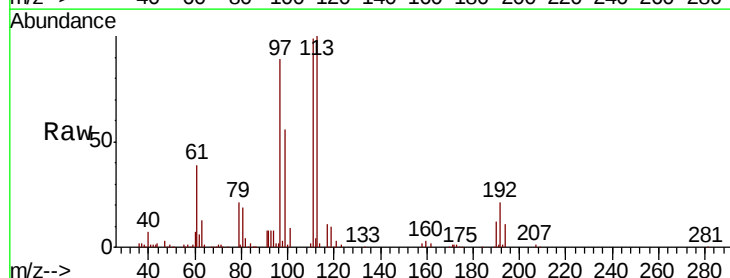
Tgt Ion: 97 Resp: 256222

Ion Ratio Lower Upper

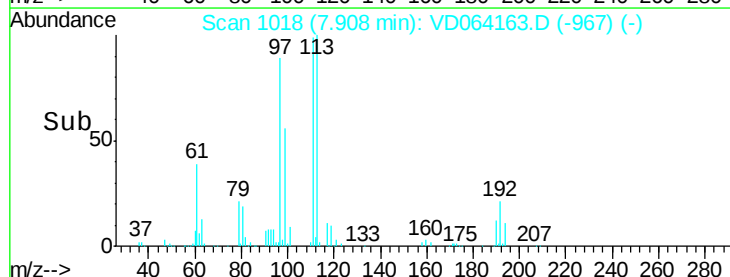
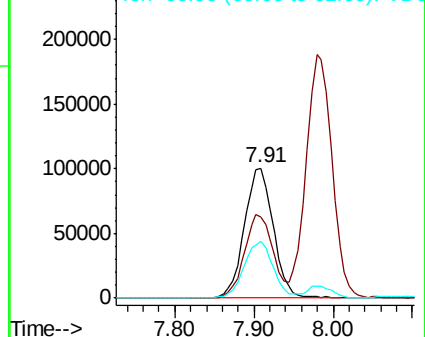
97 100

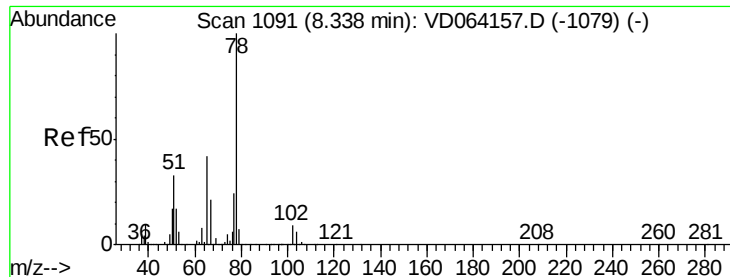
99 64.2 51.6 77.4

61 43.5 34.2 51.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 52.830 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

VD1108SBS01

Tot Ion: 65 Resp: 358977

Ion Ratio Lower Upper

65 100

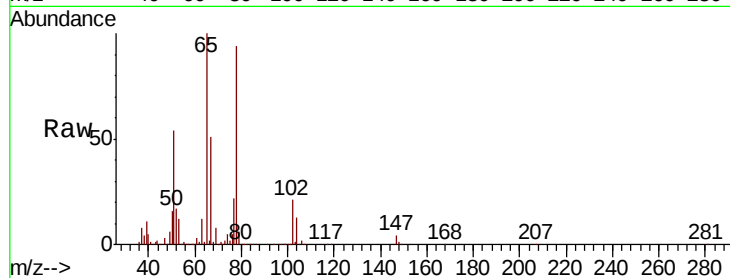
67 52.2 0.0 104.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

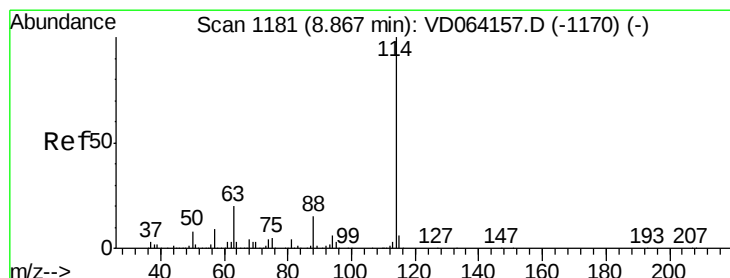
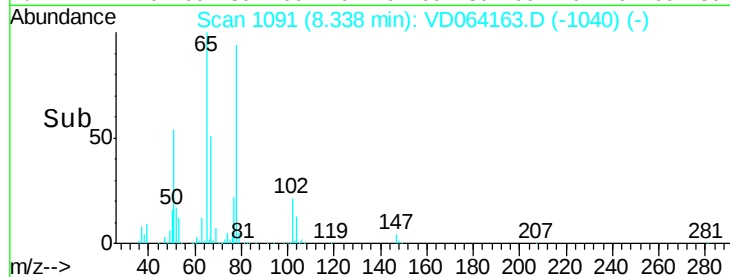
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

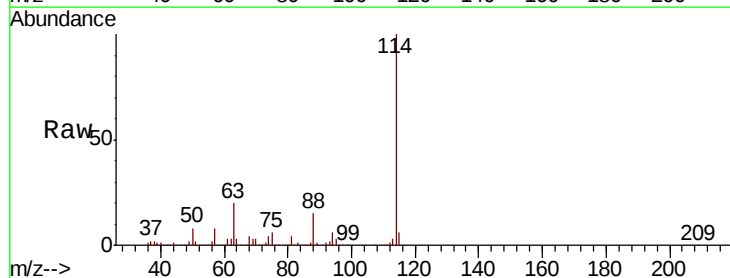
Tgt Ion:114 Resp: 1182890

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 14.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

800000

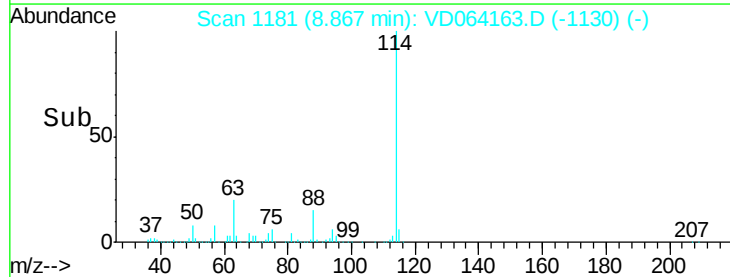
600000

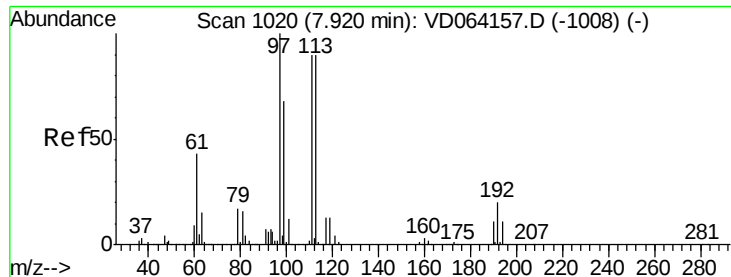
400000

200000

0

Time-->





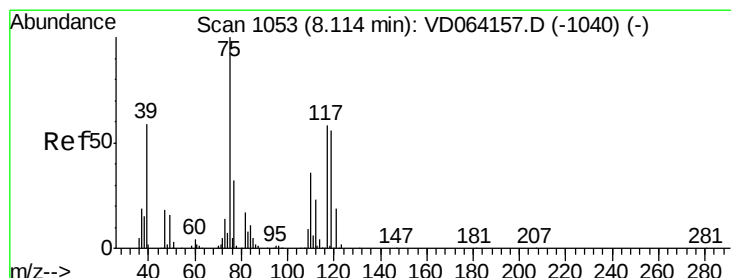
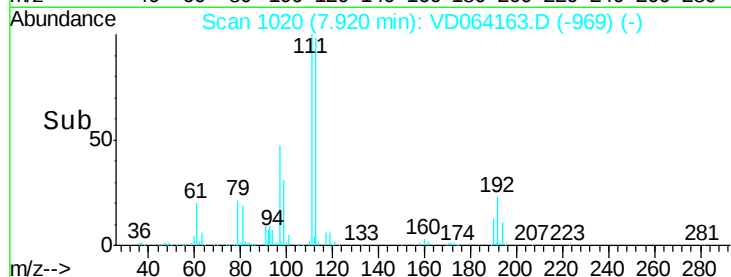
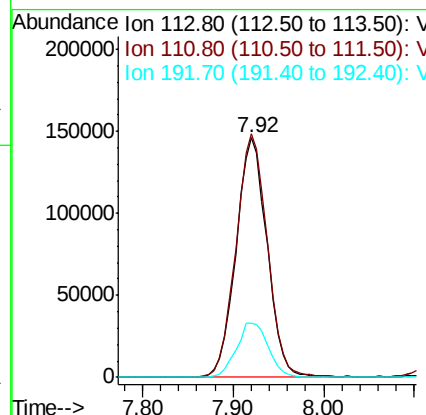
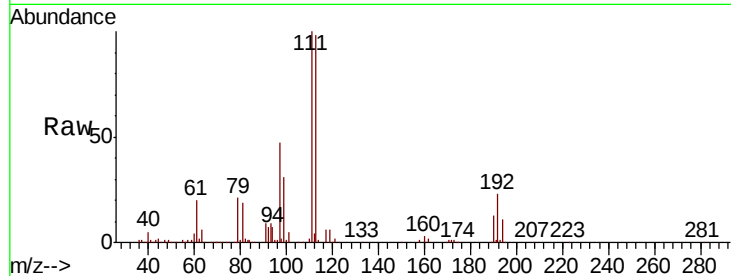
#35
 Dibromofluoromethane
 Concen: 51.203 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1108SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.5	122.3
192	23.3	18.8	28.2

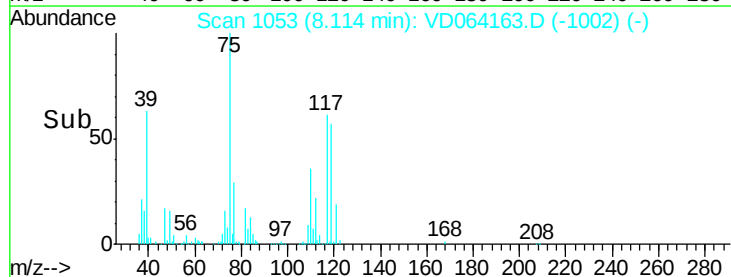
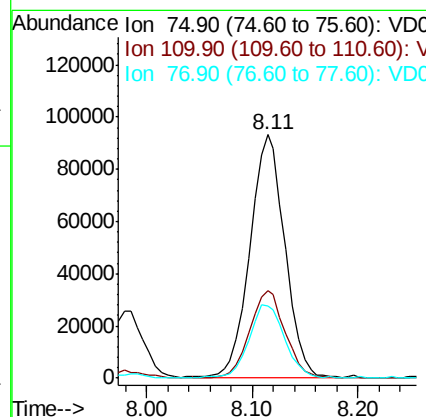
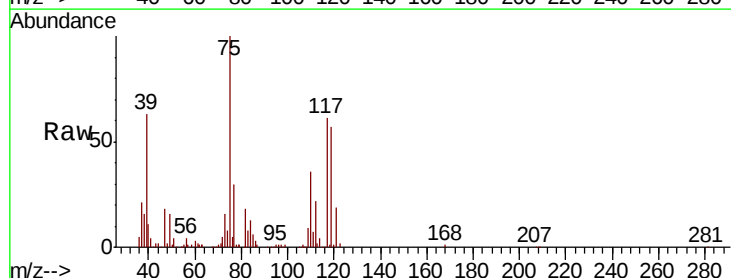
Manual Integrations
 APPROVED

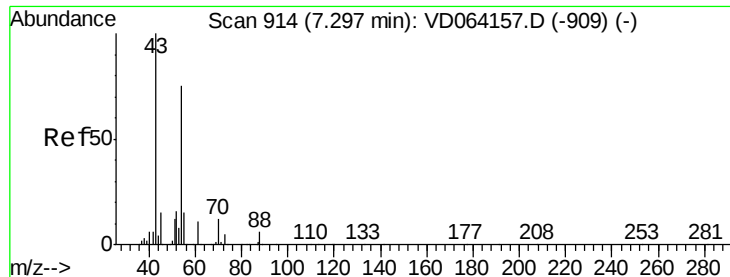
MMDadoda
 11/13/2019 11:15:05 AM



#36
 1,1-Dichloropropene
 Concen: 19.519 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.3	54.9
77	31.3	25.0	37.6





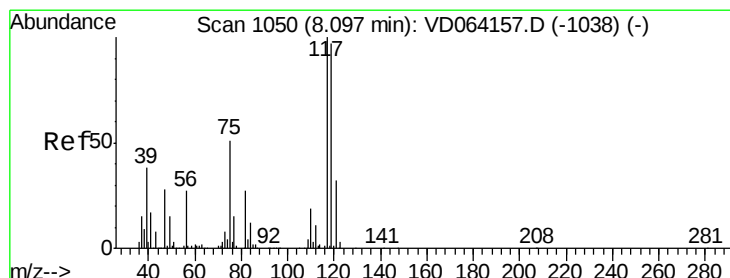
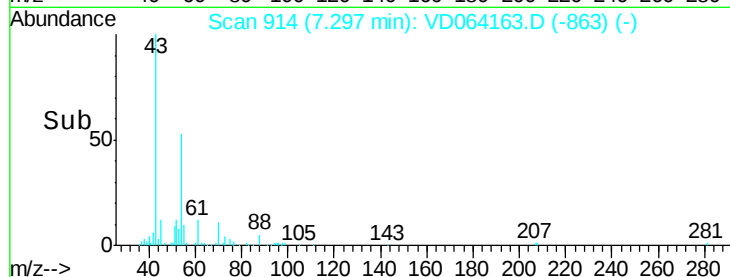
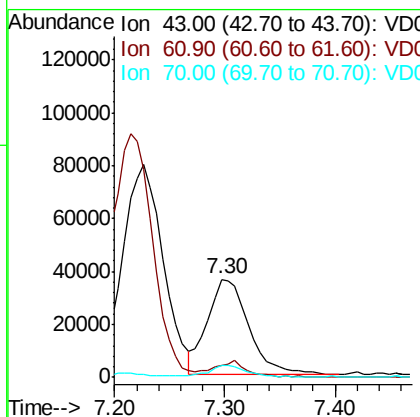
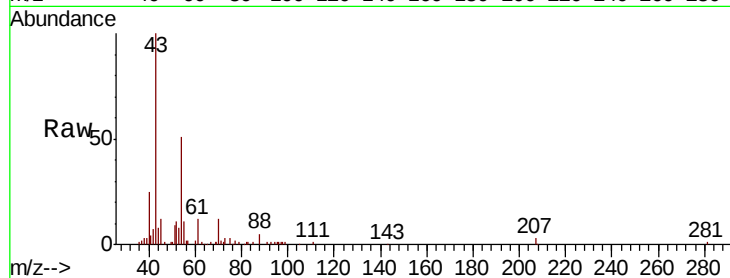
#37
Ethyl Acetate
Concen: 20.233 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.2	15.2
70	11.0	8.5	12.7

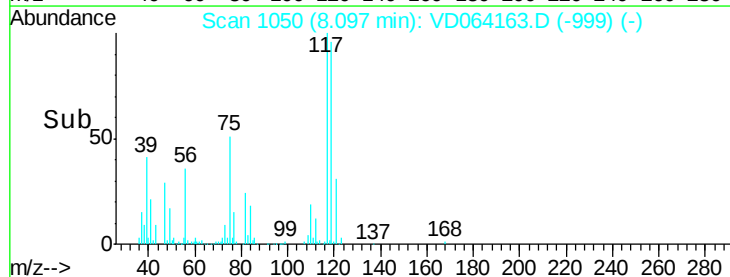
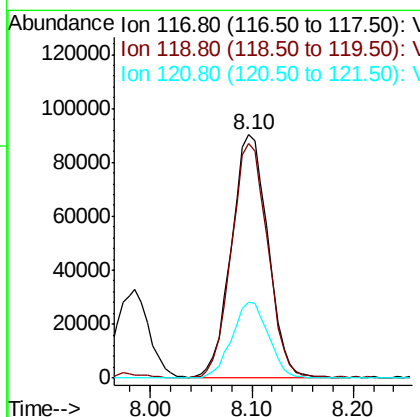
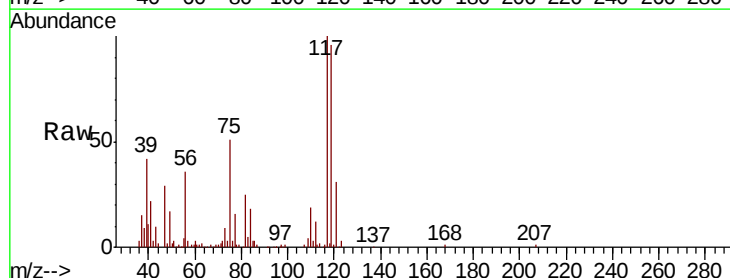
Manual Integrations
APPROVED

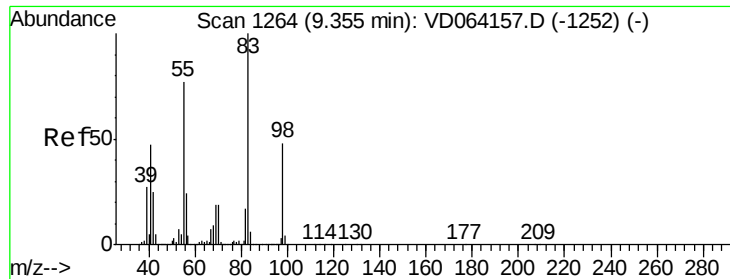
MMDadoda
11/13/2019 11:15:05 AM



#38
Carbon Tetrachloride
Concen: 19.282 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.2	115.8
121	31.3	25.5	38.3





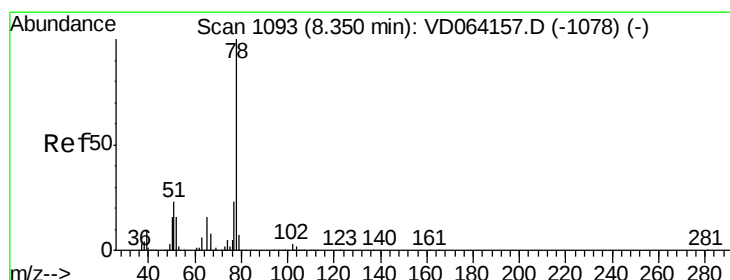
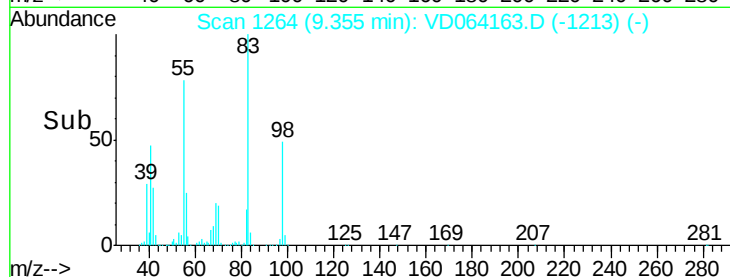
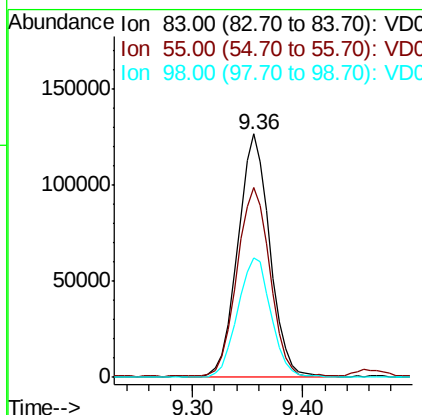
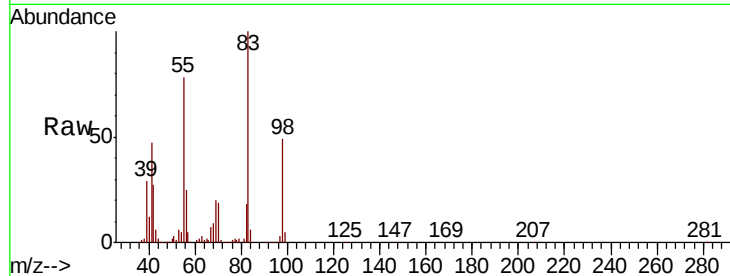
#39
Methvlcvclohexane
Concen: 18.730 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	61.7	92.5
98	49.2	38.6	58.0

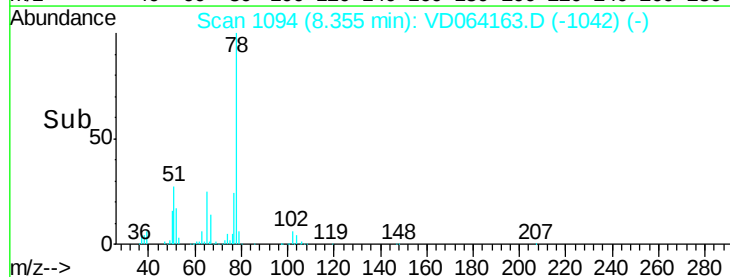
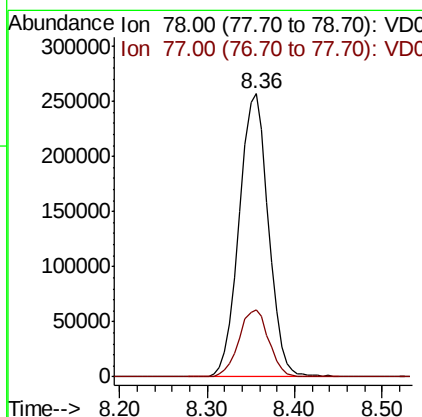
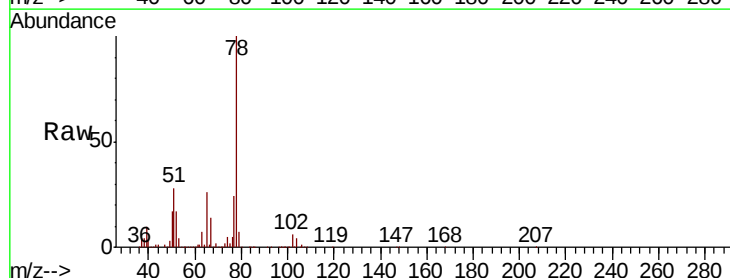
Manual Integrations
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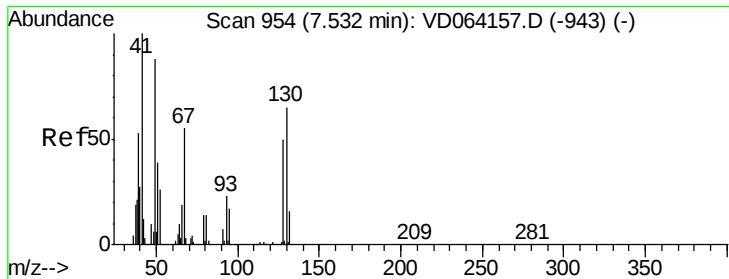
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11/13/2019 11:15:05 AM



#40
Benzene
Concen: 19.477 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	28.0





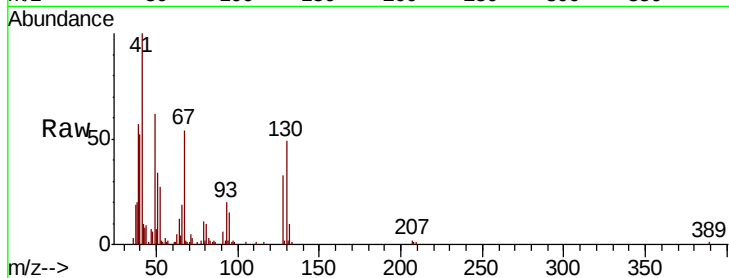
#41
Methacrylonitrile
Concen: 21.143 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

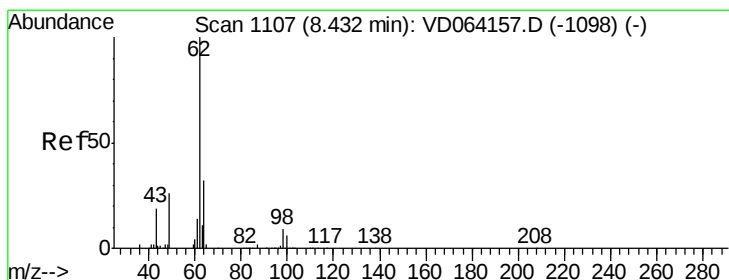
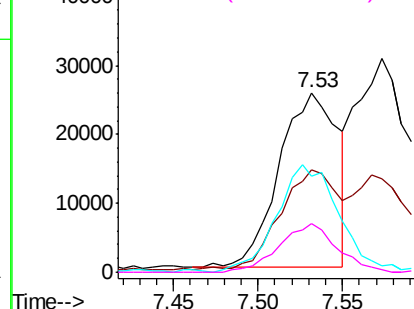
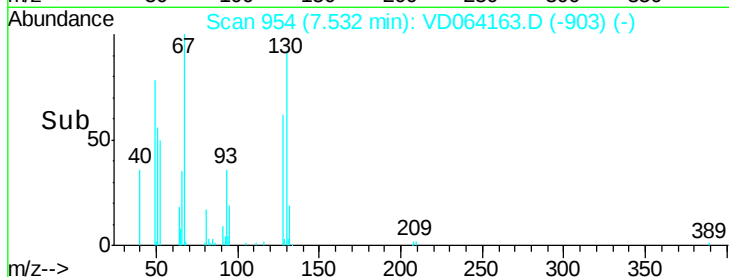
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.5	49.4	74.2	
67	66.2	49.6	74.4	
52	27.2	21.4	32.0	

Manual Integrations
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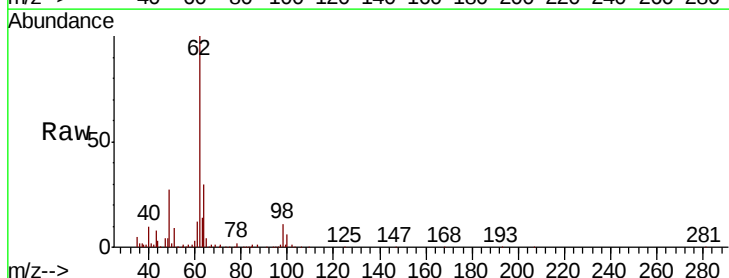


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

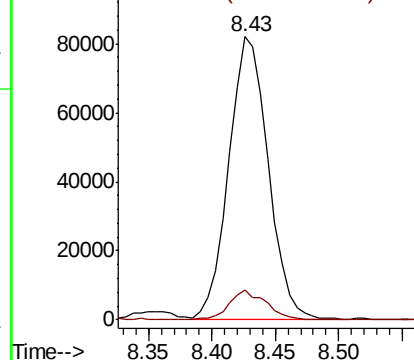
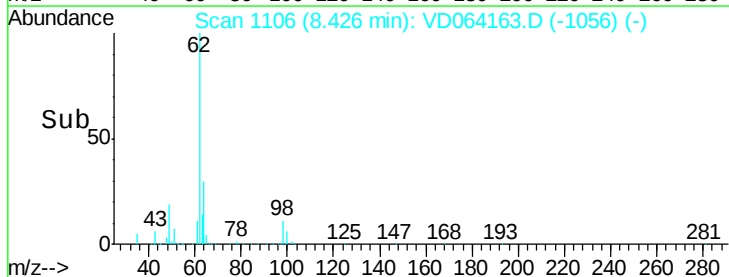


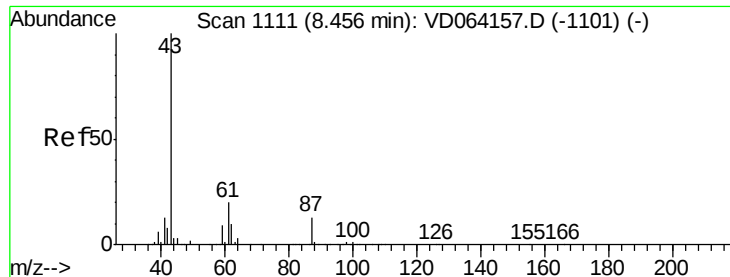
#42
1,2-Dichloroethane
Concen: 19.634 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	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: 20.401 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

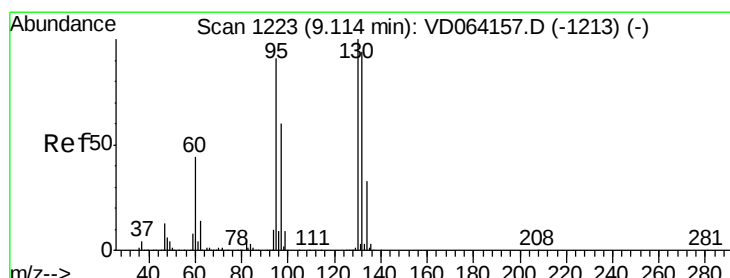
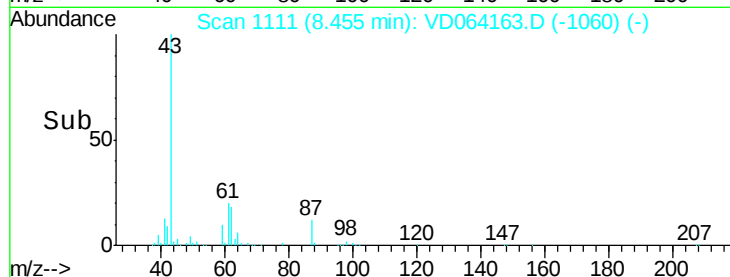
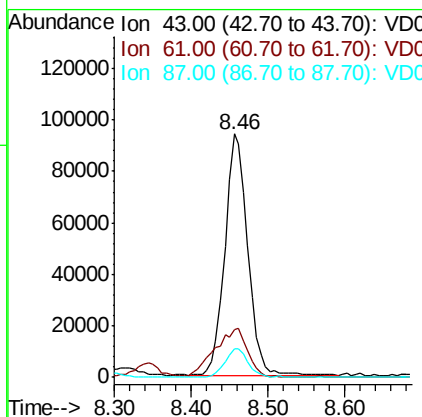
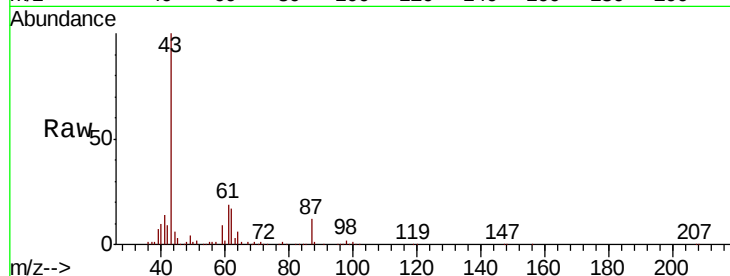
ClientSampleId :

VD1108SBS01

Tot Ion:	43	Resp:	193458
Ion	Ratio	Lower	Upper
43	100		
61	29.3	22.9	34.3
87	12.1	10.2	15.2

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#44

Trichloroethene

Concen: 19.610 ug/l

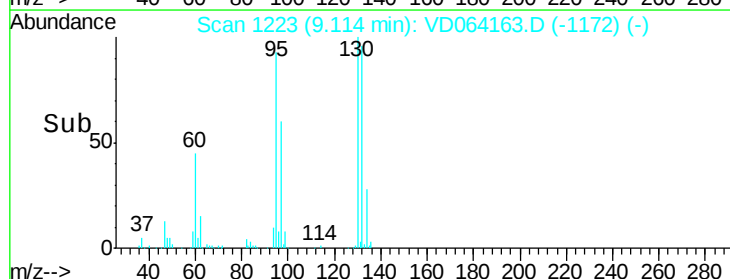
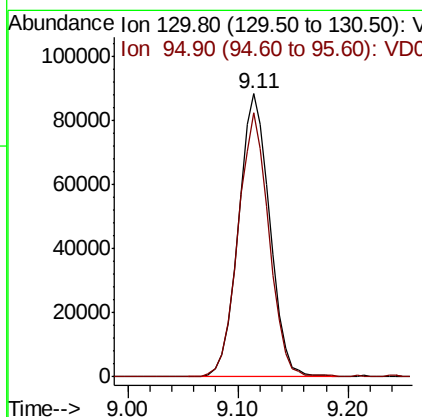
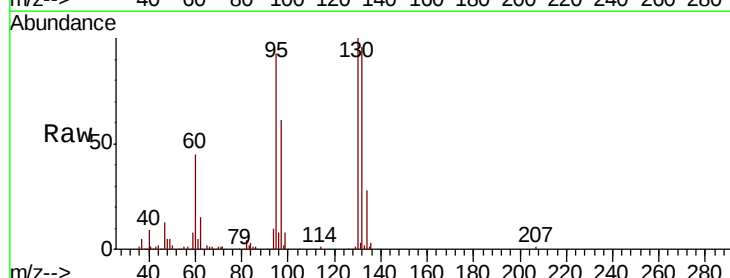
RT: 9.11 min Scan# 1223

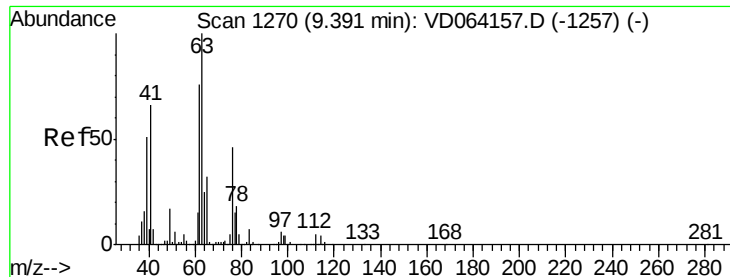
Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Tgt Ion:	130	Resp:	175610
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	181.6





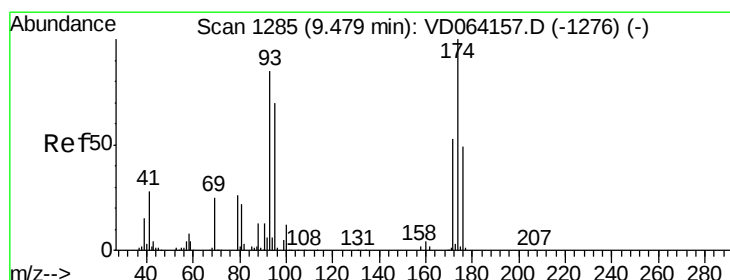
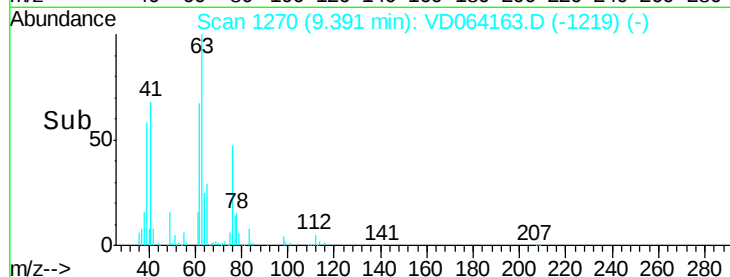
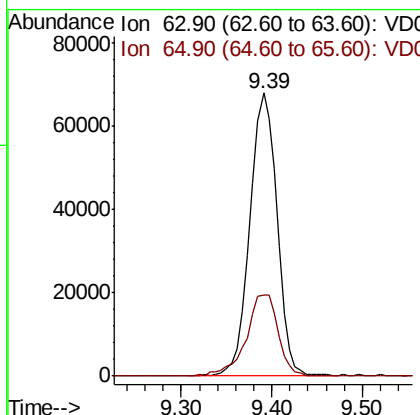
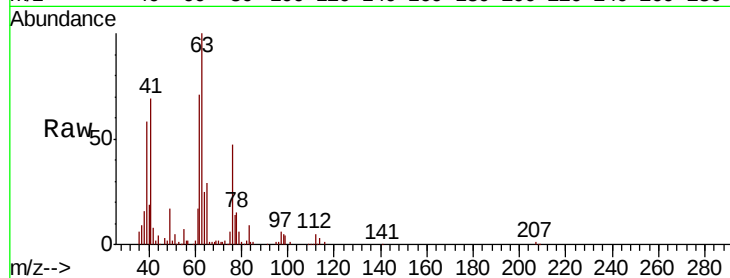
#45
 1,2-Dichloropropane
 Concen: 19.628 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1108SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.9	25.7	38.5

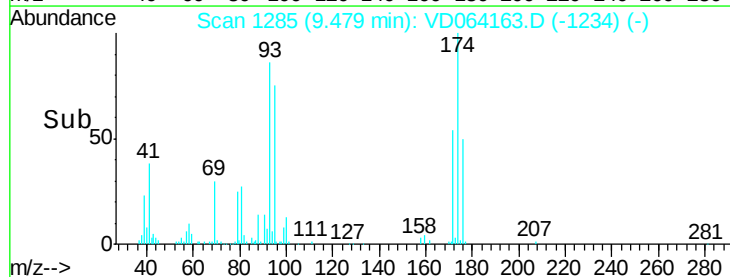
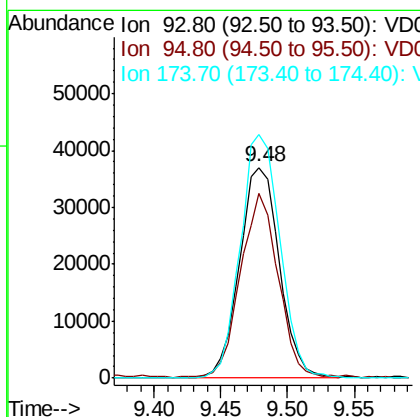
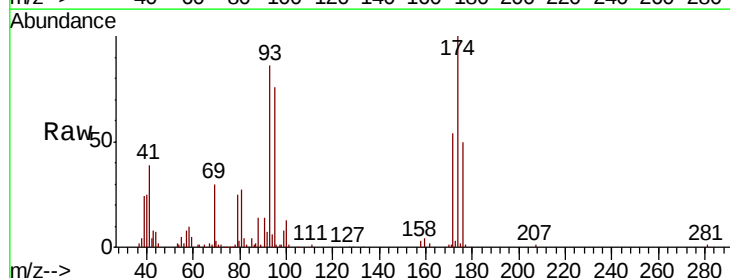
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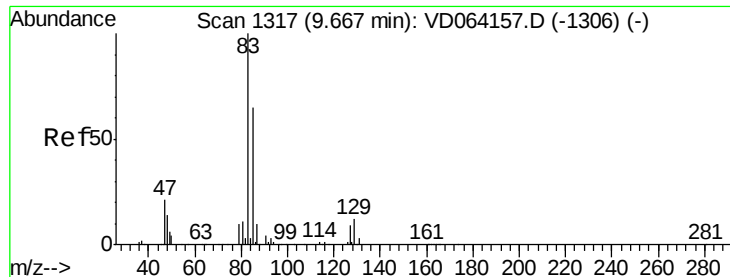
MMDadoda
 11/13/2019 11:15:05 AM



#46
 Dibromomethane
 Concen: 19.706 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.5	98.3
174	115.1	93.9	140.9





#47

Bromodichloromethane

Concen: 19.516 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

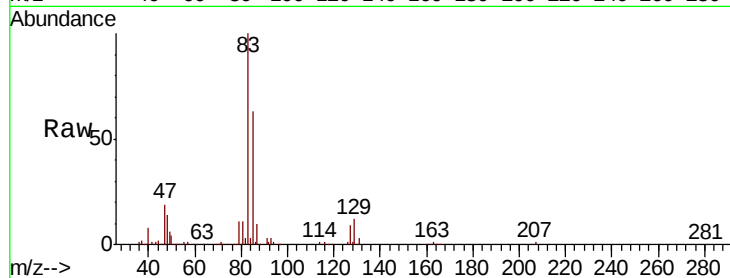
ClientSampleId :

VD1108SBS01

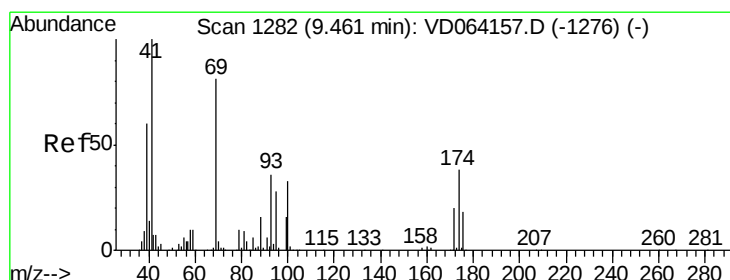
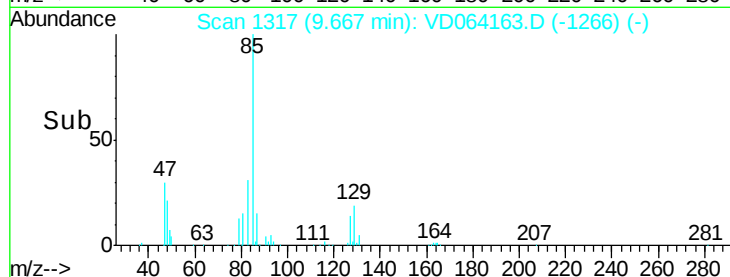
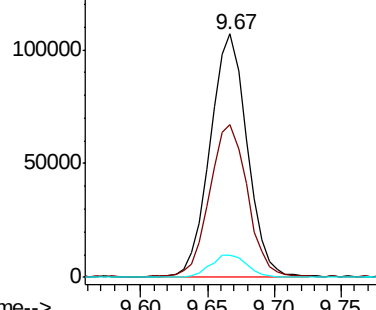
Tot Ion:	83	Resp:	204374
Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.2	78.4
127	9.0	7.5	11.3

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.709 ug/l

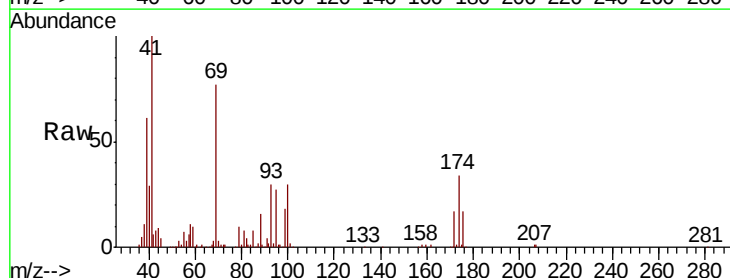
RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

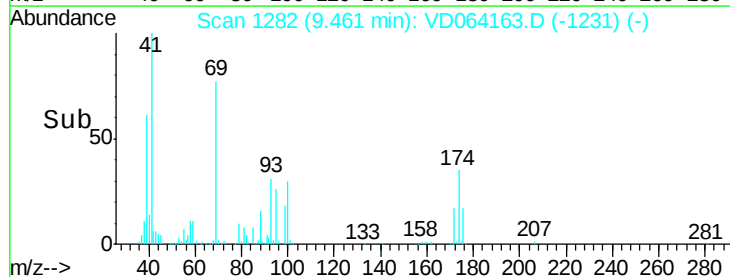
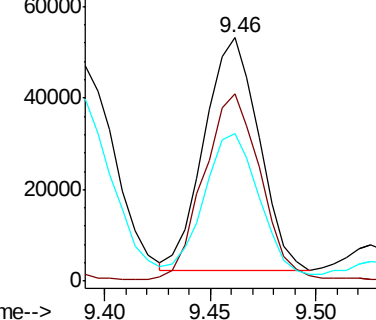
Lab File: VD064163.D

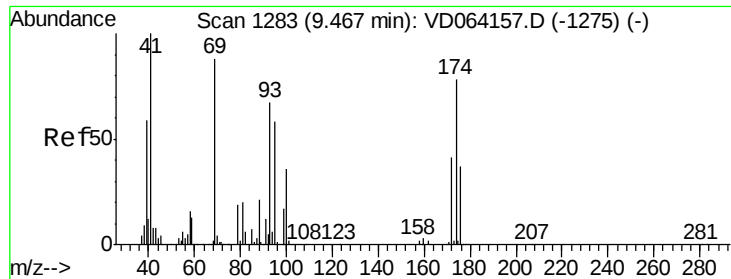
Acq: 08 Nov 2019 19:14

Tgt Ion:	41	Resp:	91388
Ion	Ratio	Lower	Upper
41	100		
69	82.3	64.6	97.0
39	65.5	48.2	72.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





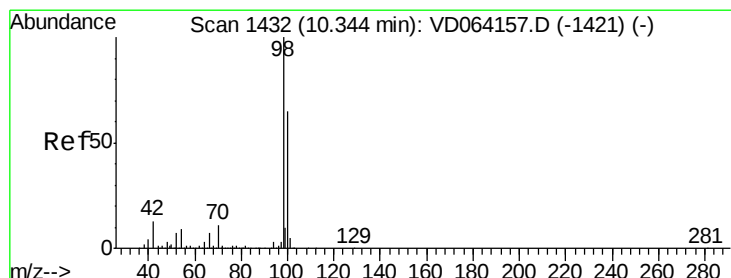
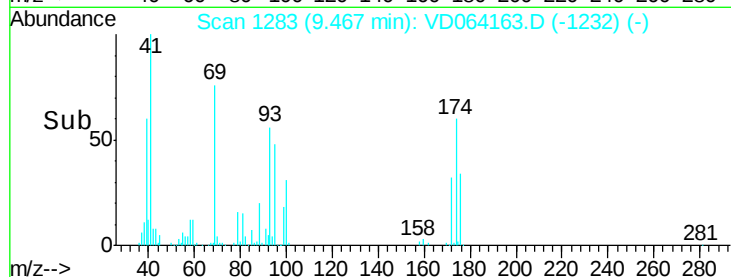
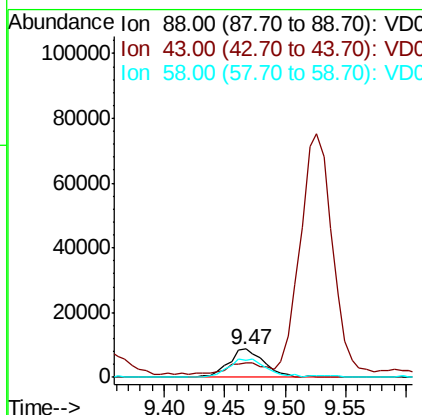
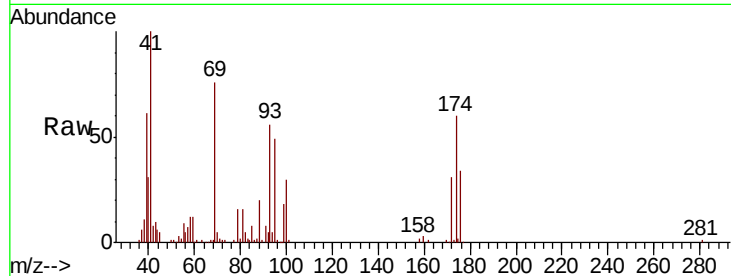
#49
1,4-Dioxane
Concen: 387.020 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.7	29.8	44.8#
58	73.7	58.1	87.1

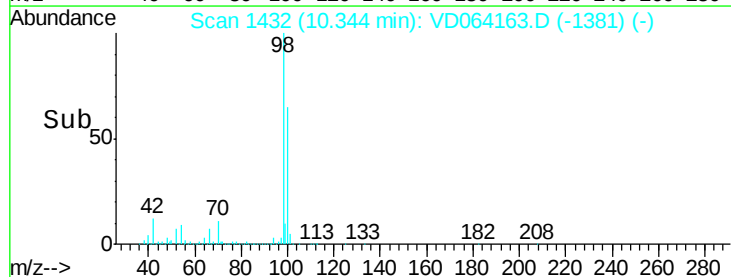
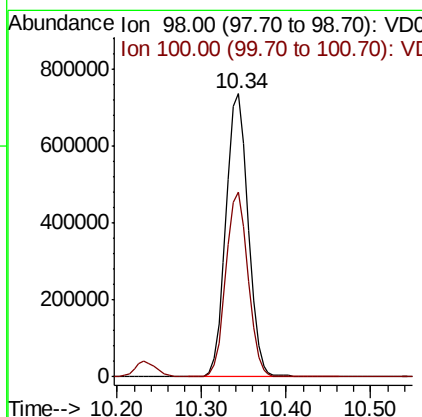
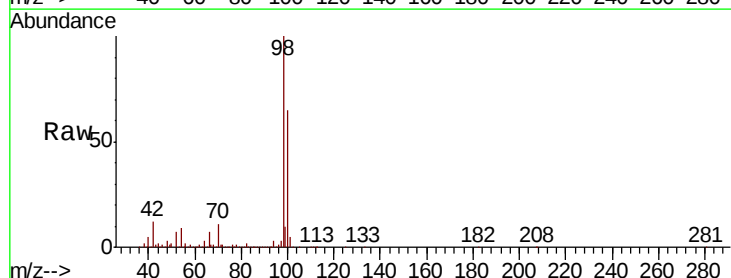
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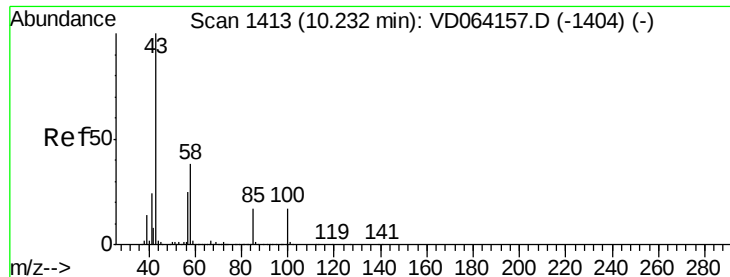
MMDadoda
11/13/2019 11:15:05 AM



#50
Toluene-d8
Concen: 52.222 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 102.388 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

VD1108SBS01

Tot Ion: 43 Resp: 465598

Ion Ratio Lower Upper

43 100

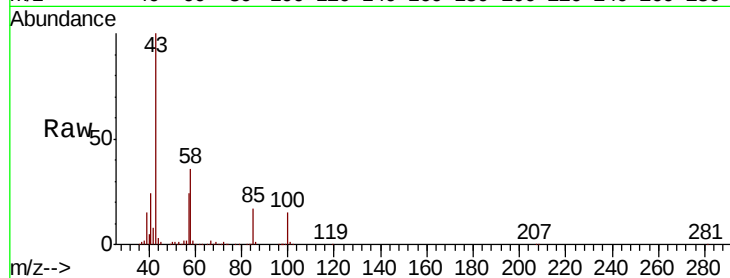
58 37.3 30.2 45.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

250000

200000

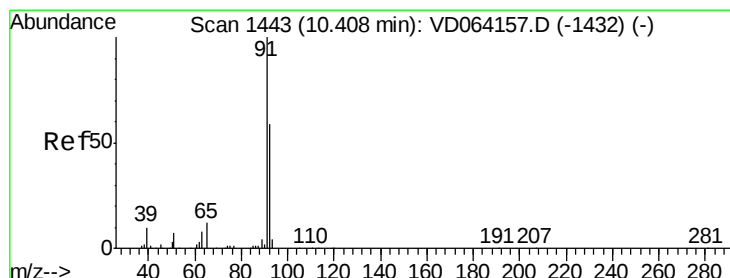
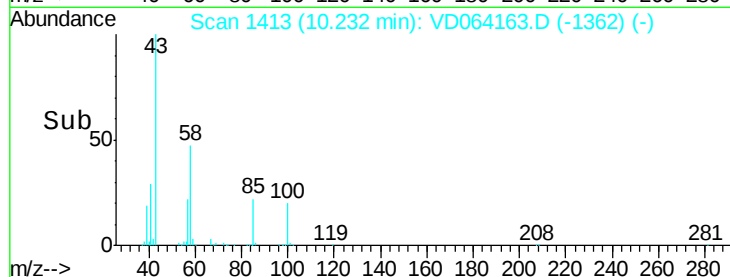
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.232 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064163.D

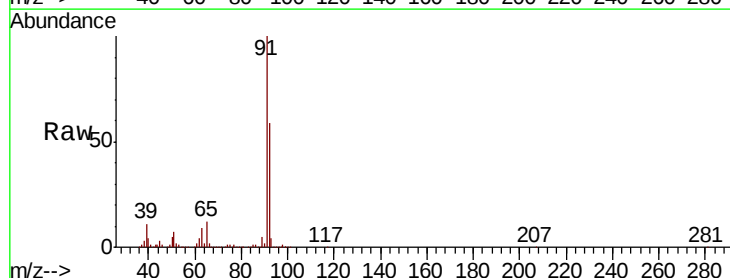
Acq: 08 Nov 2019 19:14

Tgt Ion: 92 Resp: 377316

Ion Ratio Lower Upper

92 100

91 172.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

400000

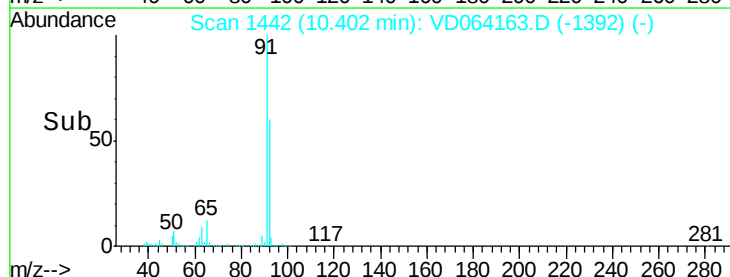
300000

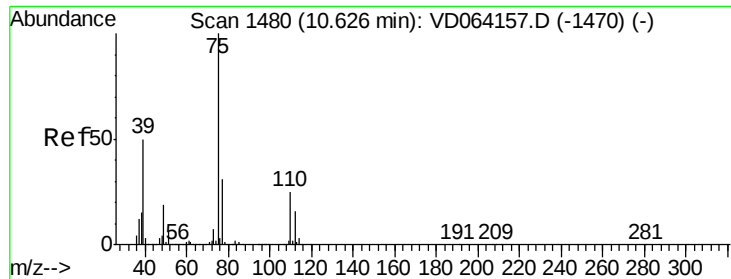
200000

100000

0

Time-->





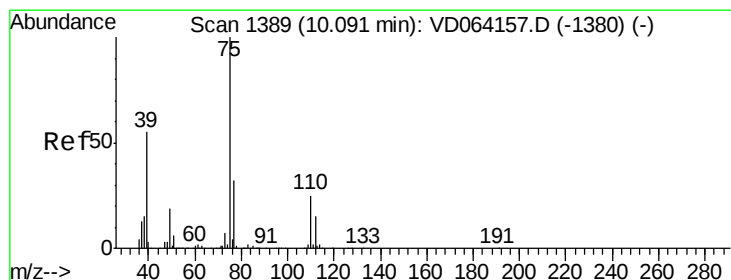
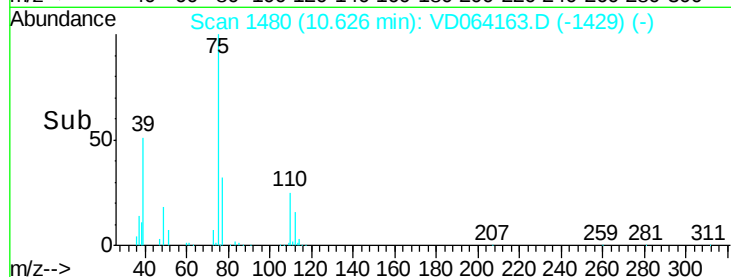
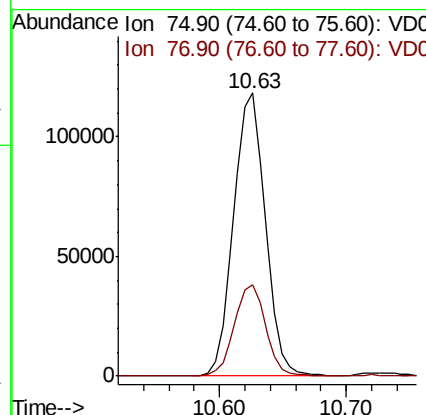
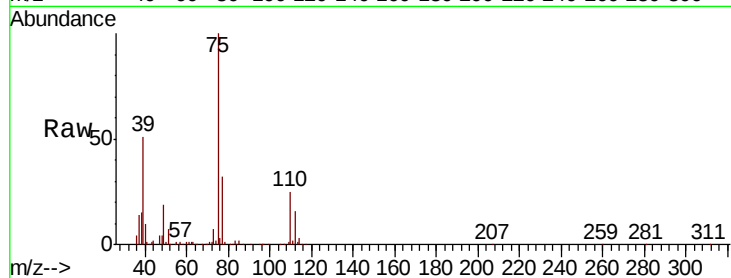
#53
 t-1,3-Dichloropropene
 Concen: 19.616 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1108SBS01

Tot Ion: 75 Resp: 205803
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.7 37.1

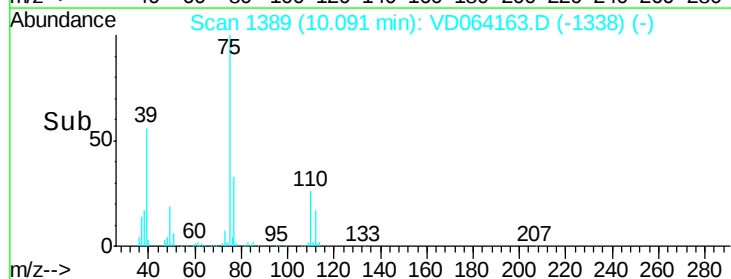
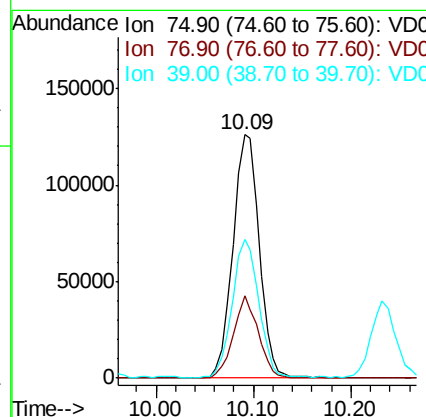
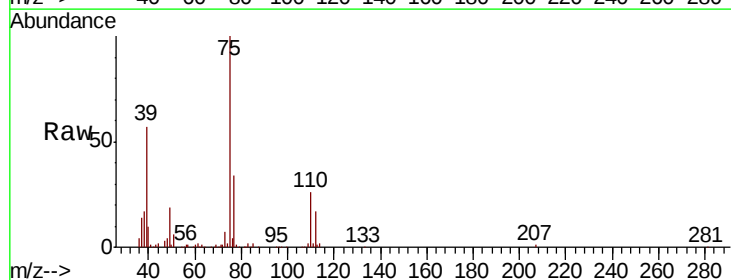
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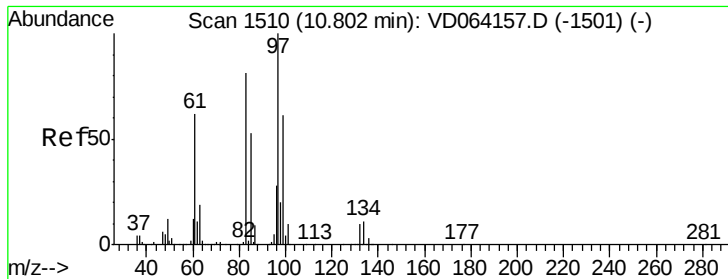
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.343 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Tgt Ion: 75 Resp: 236811
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.2 37.8
 39 56.6 44.2 66.2





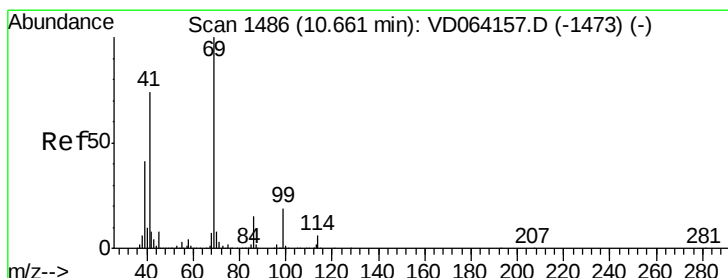
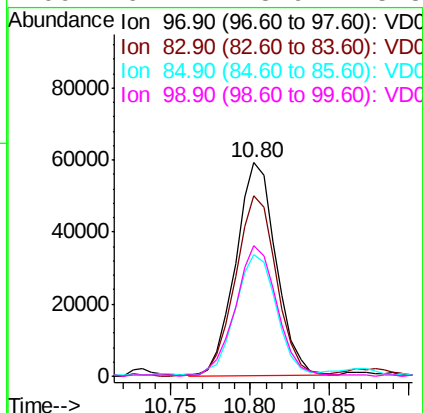
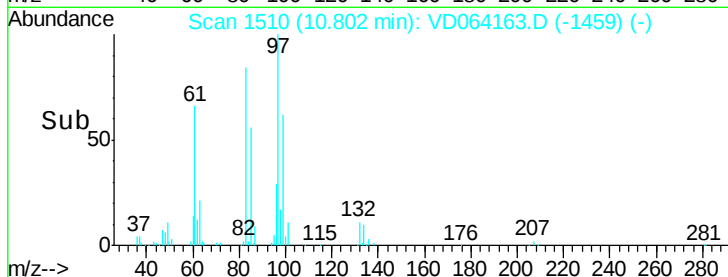
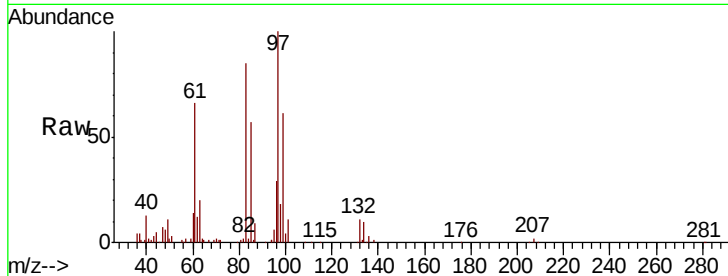
#55
 1,1,2-Trichloroethane
 Concen: 19.873 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1108SBSD01

Tot Ion:	97	Resp:	104812
Ion	Ratio	Lower	Upper
97	100		
83	84.2	65.1	97.7
85	55.8	42.0	63.0
99	61.1	48.9	73.3

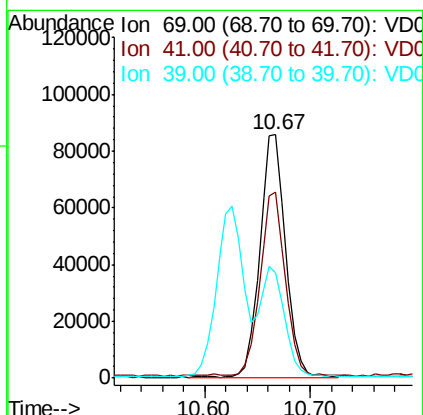
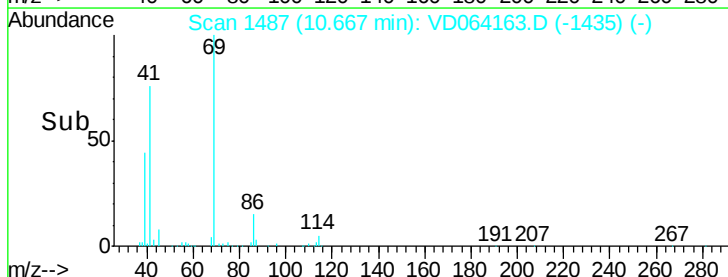
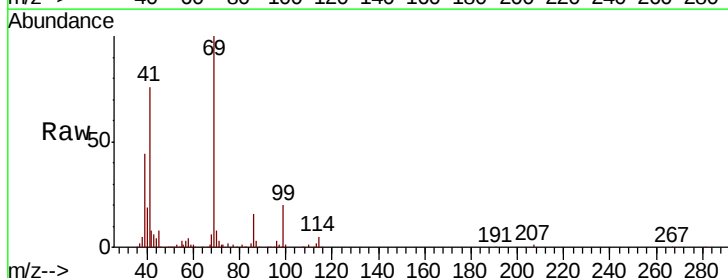
Manual Integrations
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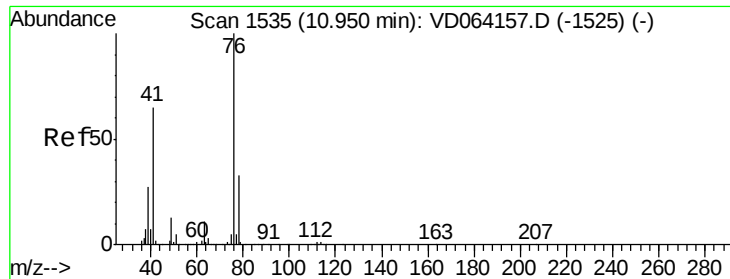
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#56
 Ethyl methacrylate
 Concen: 19.759 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Tgt Ion:	69	Resp:	145781
Ion	Ratio	Lower	Upper
69	100		
41	73.2	57.9	86.9
39	44.1	29.0	43.4#





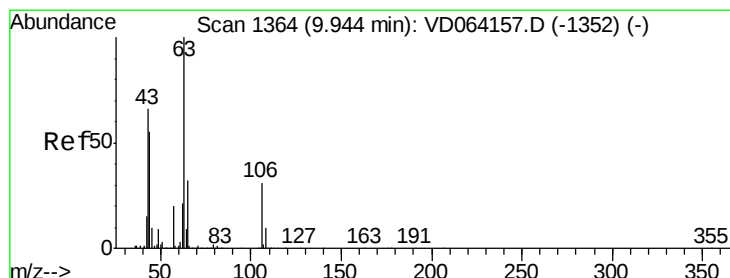
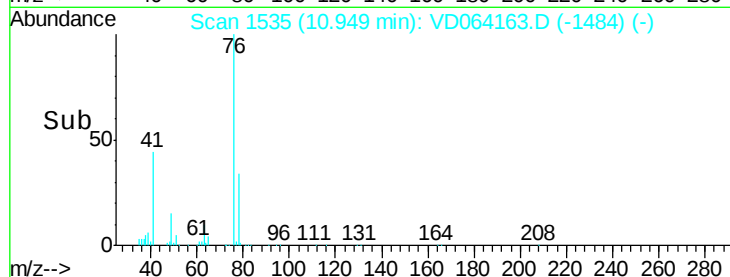
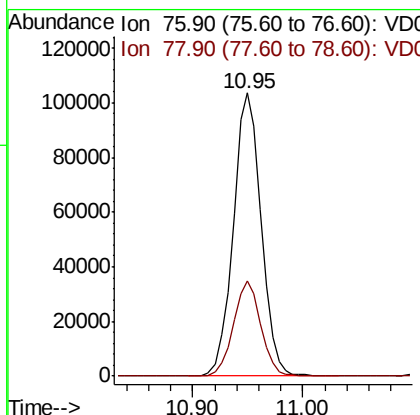
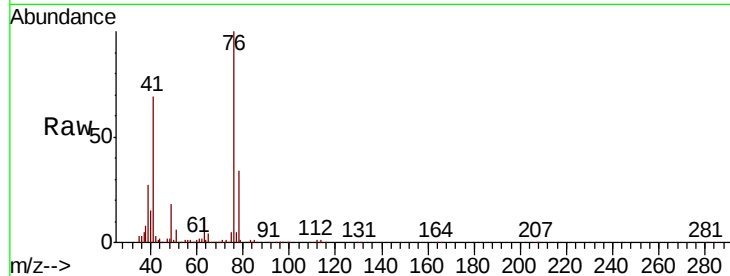
#57
 1,3-Dichloropropane
 Concen: 19.882 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1108SBS01

Tot Ion: 76 Resp: 182873
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.4

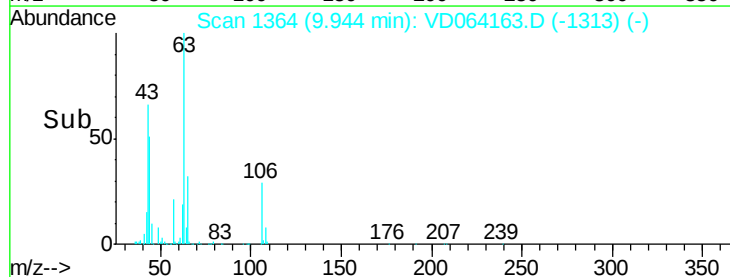
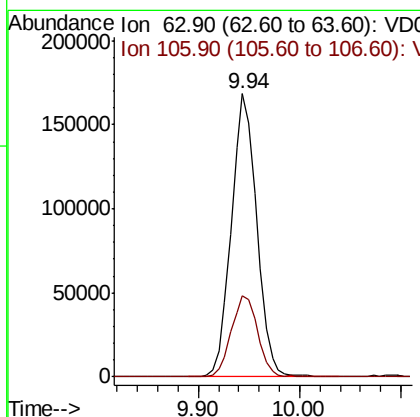
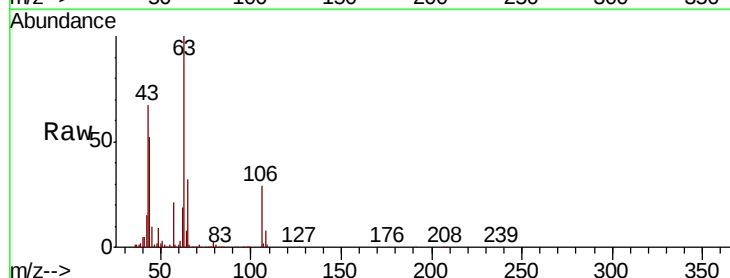
Manual Integrations
 APPROVED

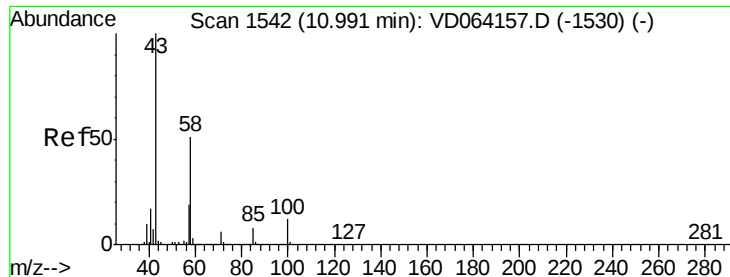
MMDadoda
 11/13/2019 11:15:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.142 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Tgt Ion: 63 Resp: 293304
 Ion Ratio Lower Upper
 63 100
 106 29.7 24.1 36.1





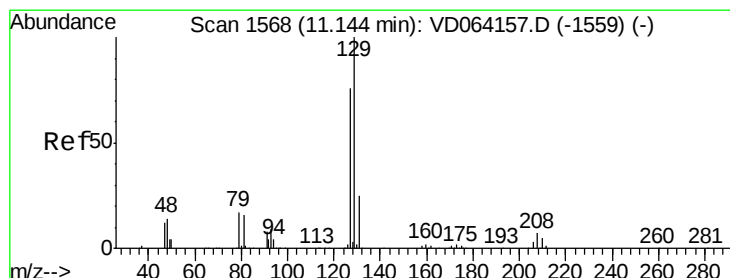
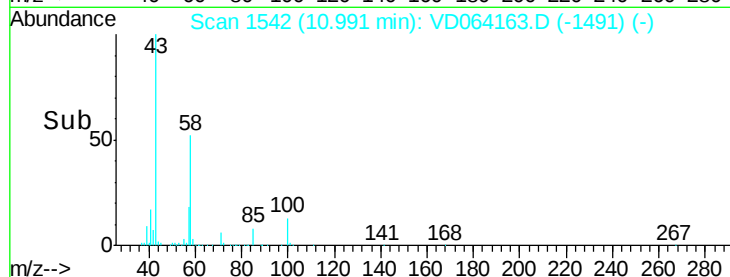
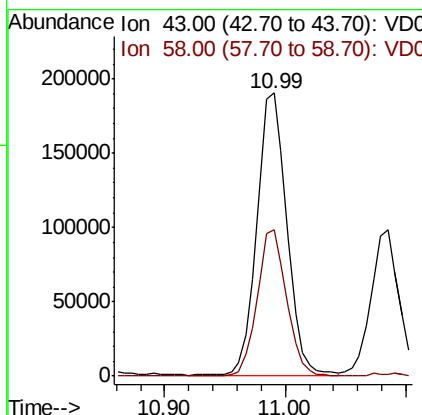
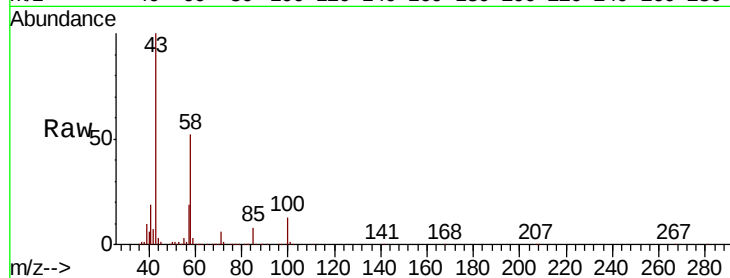
#59
2-Hexanone
Concen: 100.846 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

Tot Ion: 43 Resp: 326260
Ion Ratio Lower Upper
43 100
58 50.9 25.9 77.7

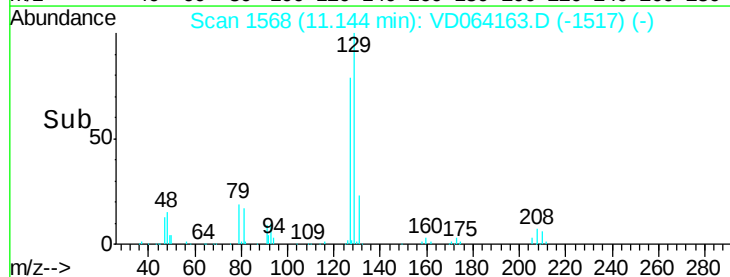
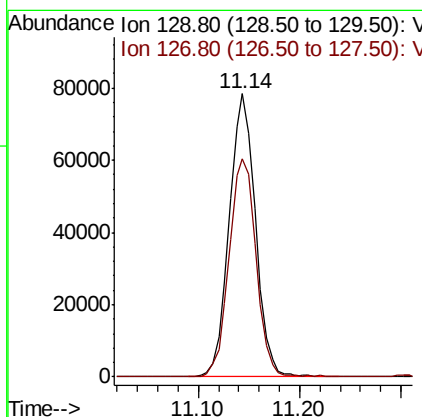
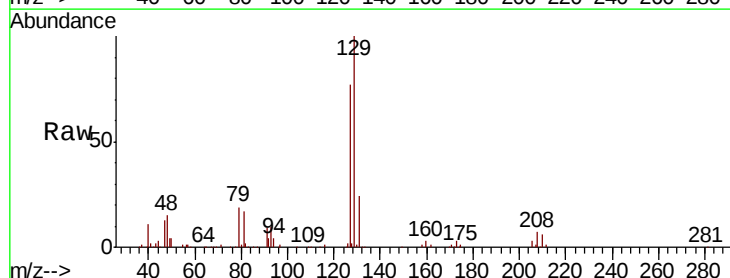
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#60
Dibromochloromethane
Concen: 19.131 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion: 129 Resp: 140792
Ion Ratio Lower Upper
129 100
127 79.4 38.6 115.8





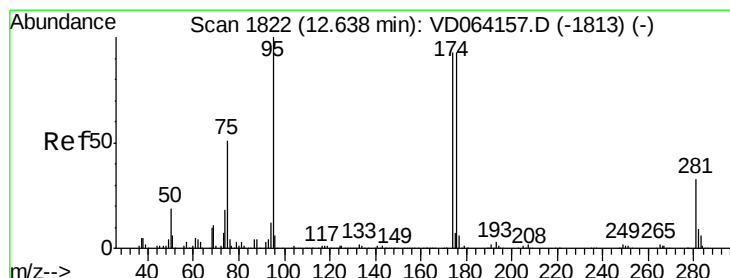
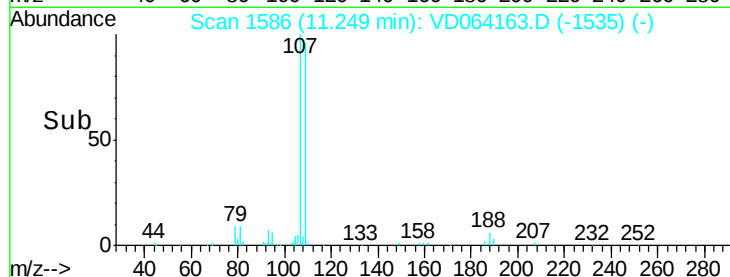
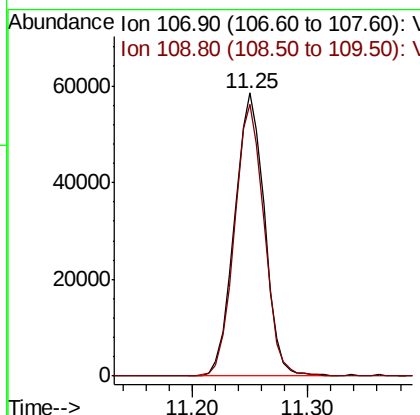
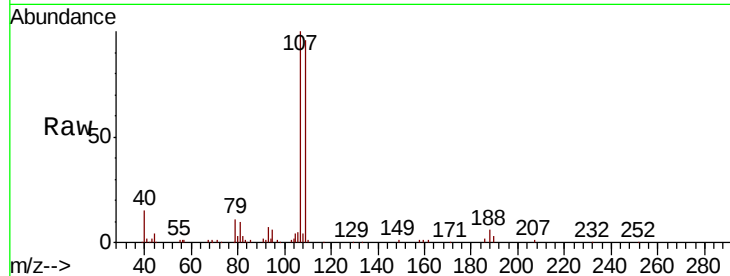
#61
 1,2-Dibromoethane
 Concen: 19.800 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1108SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.1	112.7

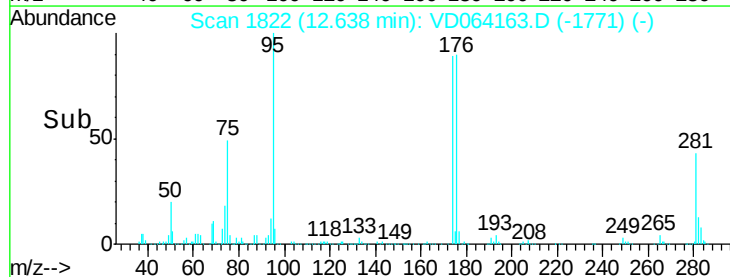
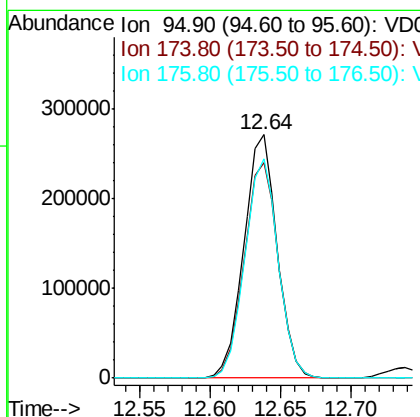
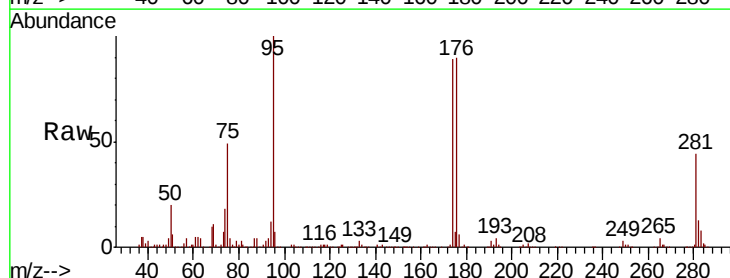
Manual Integrations
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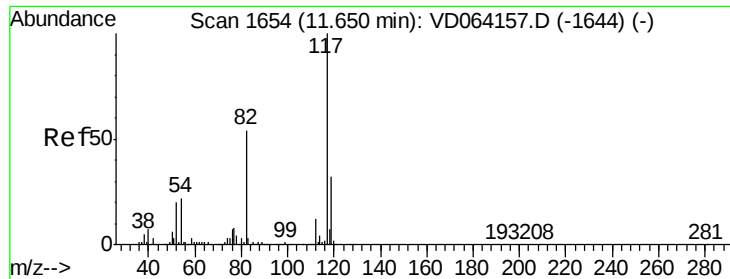
MMDadoda
 11/13/2019 11:15:05 AM



#62
 4-Bromofluorobenzene
 Concen: 50.496 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	183.6
176	90.3	0.0	180.2





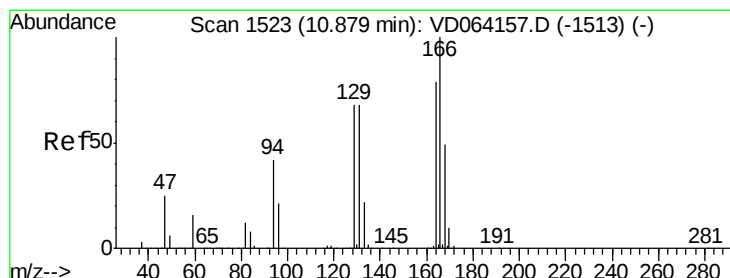
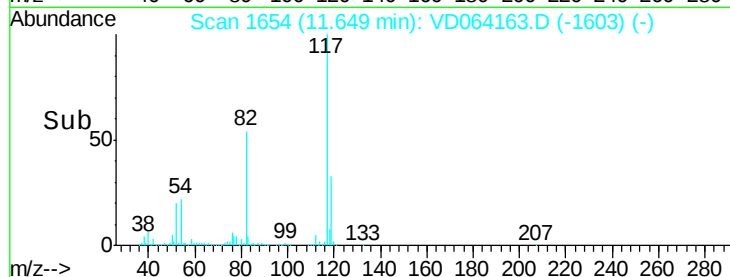
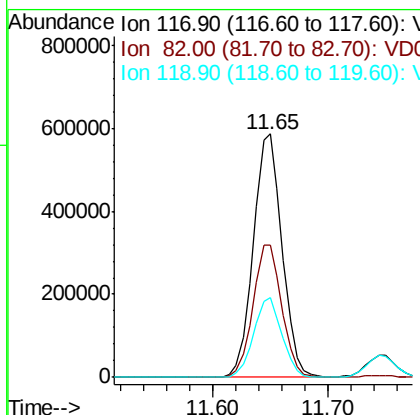
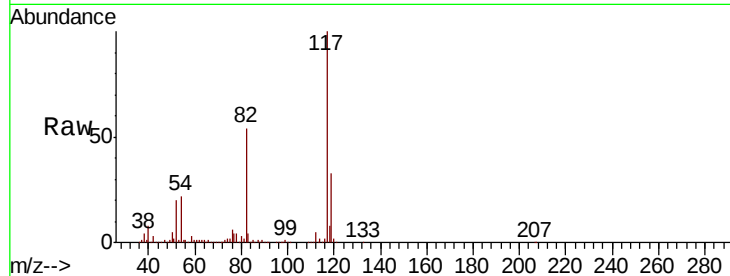
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.8	64.2
119	32.7	25.6	38.4

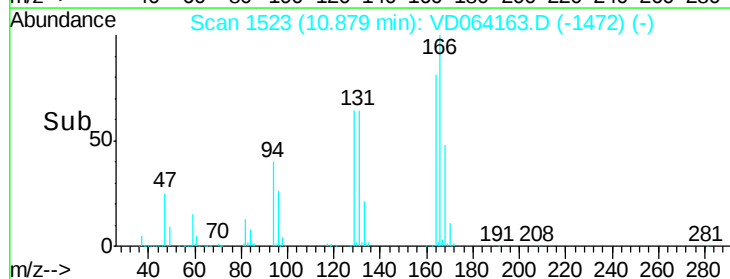
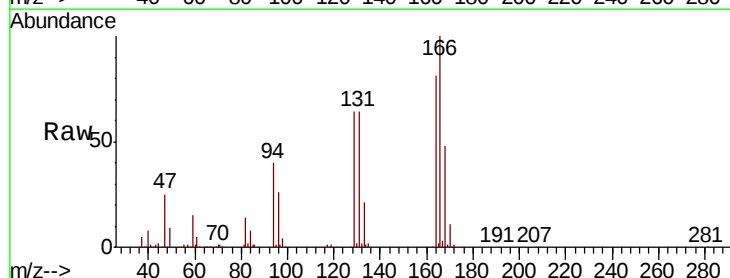
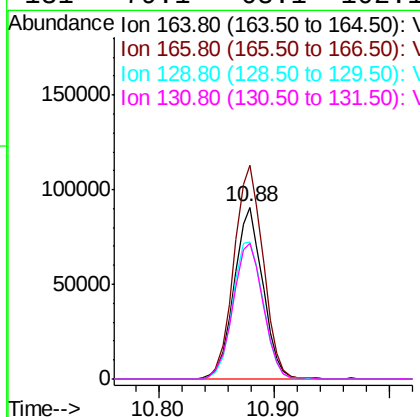
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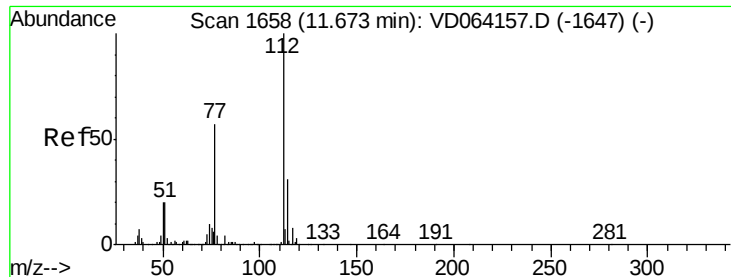
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#64
Tetrachloroethene
Concen: 19.989 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	100.8	151.2
129	79.3	68.7	103.1
131	79.1	68.1	102.1





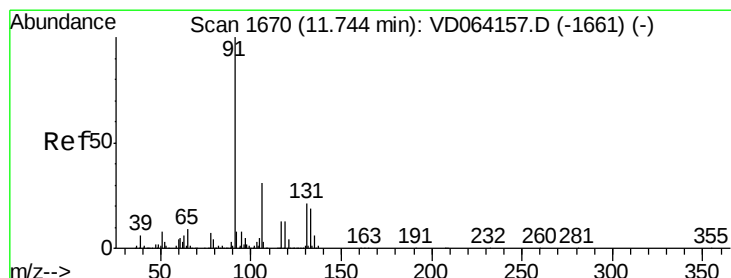
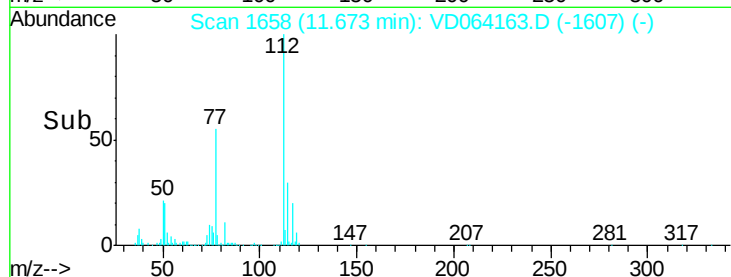
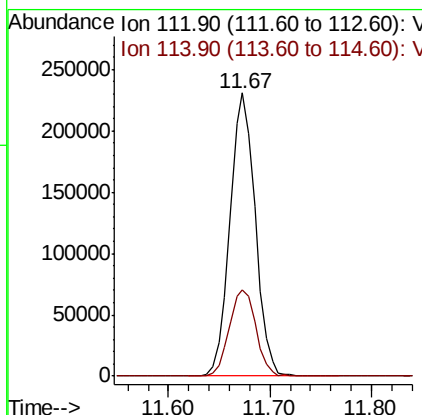
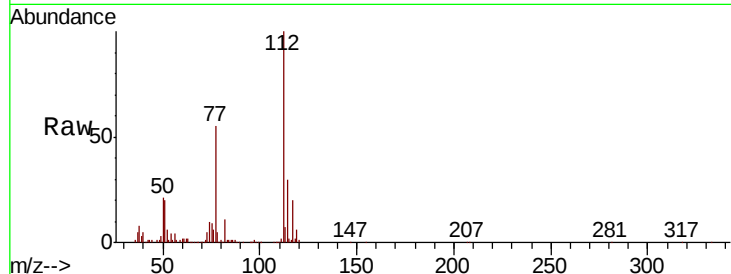
#65
Chlorobenzene
Concen: 19.350 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.4	25.2	37.8

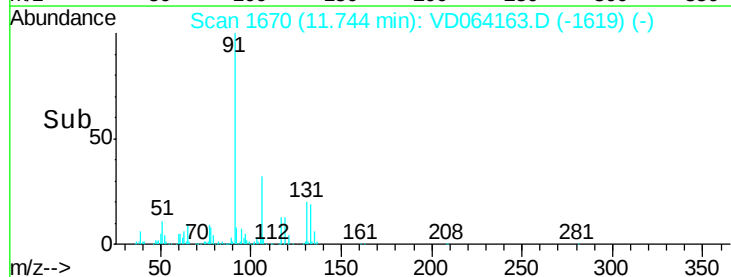
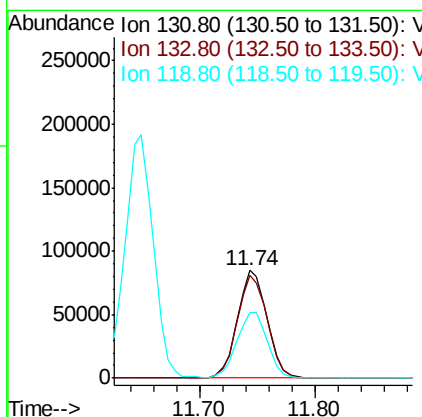
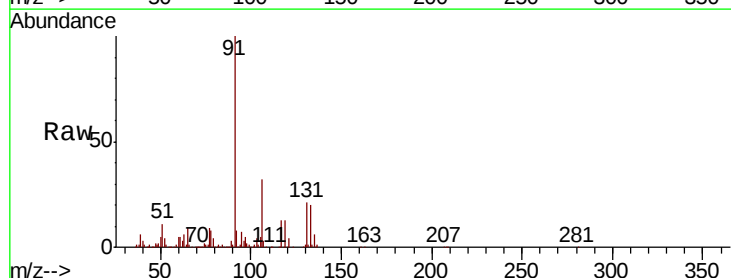
Manual Integrations
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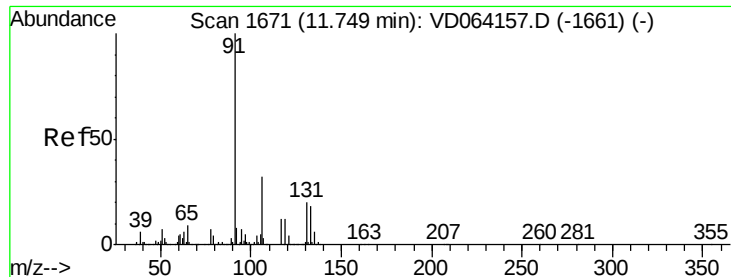
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.121 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	47.3	141.9
119	63.5	31.1	93.3





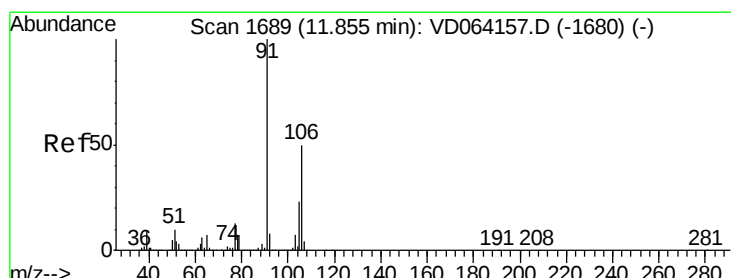
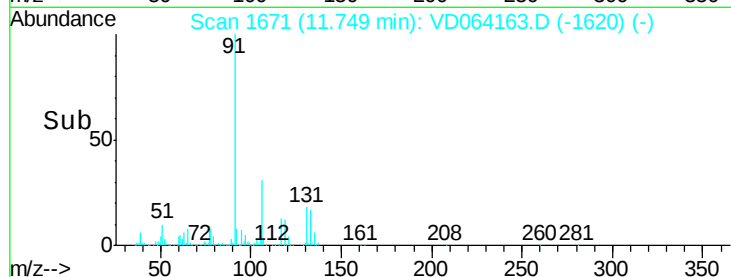
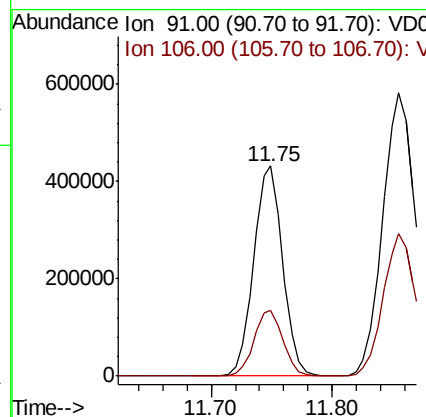
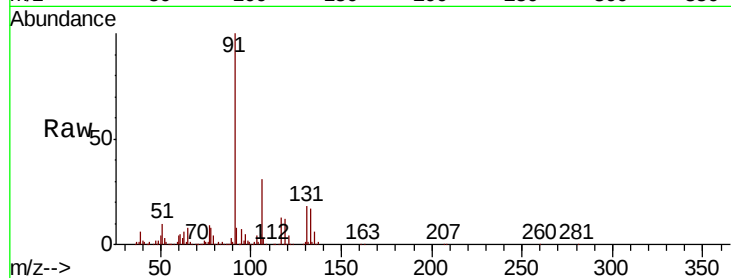
#67
Ethyl Benzene
Concen: 19.427 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

Tot Ion: 91 Resp: 725372
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3

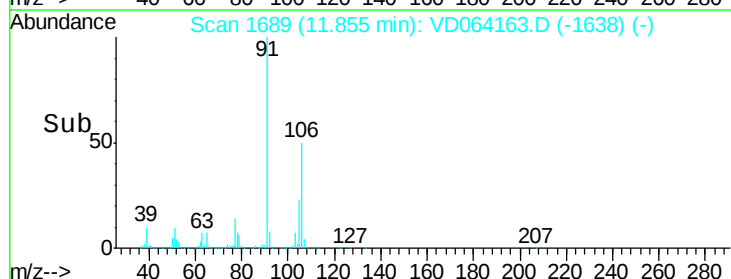
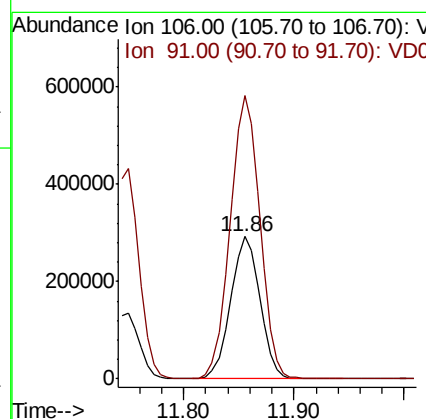
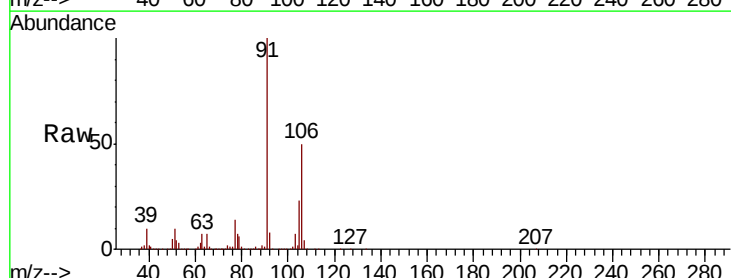
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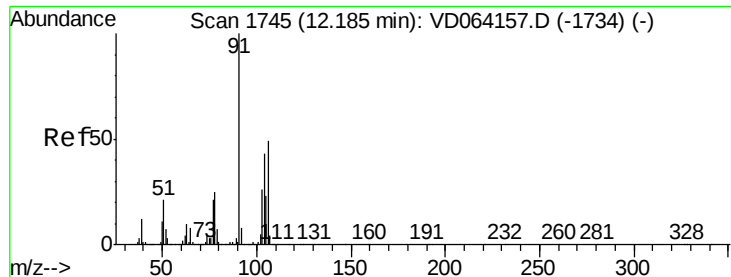
MMDadoda
11/13/2019 11:15:05 AM



#68
m/p-Xylenes
Concen: 38.181 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion: 106 Resp: 546440
Ion Ratio Lower Upper
106 100
91 201.1 160.3 240.5





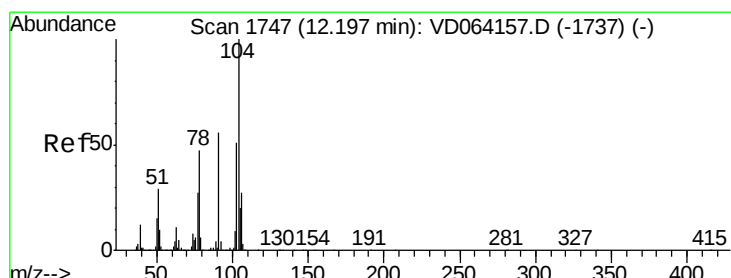
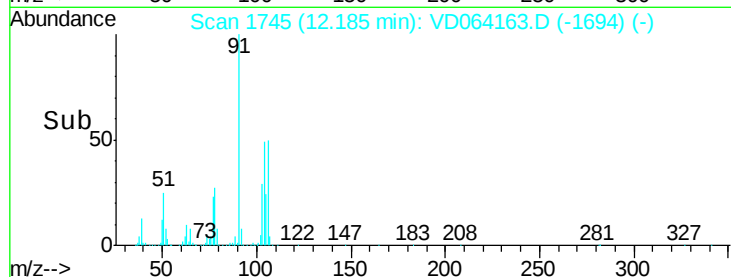
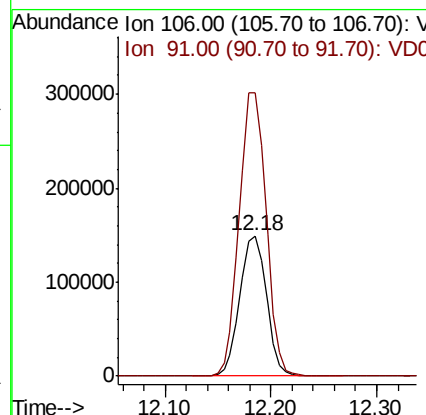
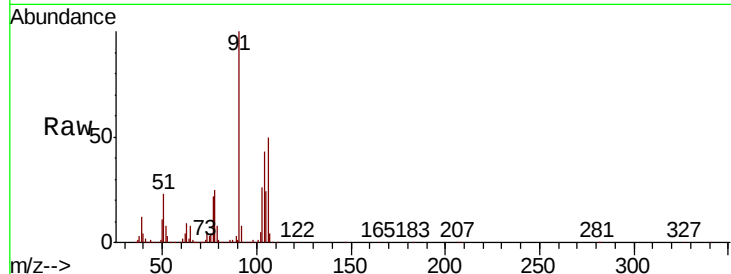
#69
o-Xylene
Concen: 19.667 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.8	105.1	315.3

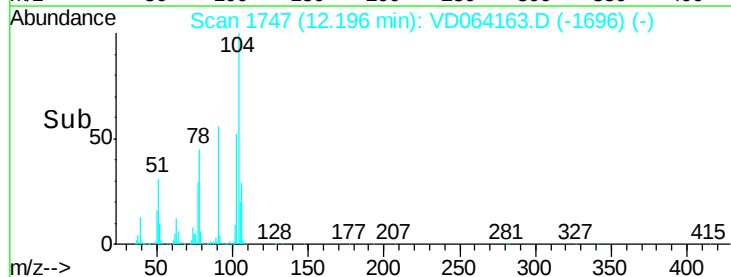
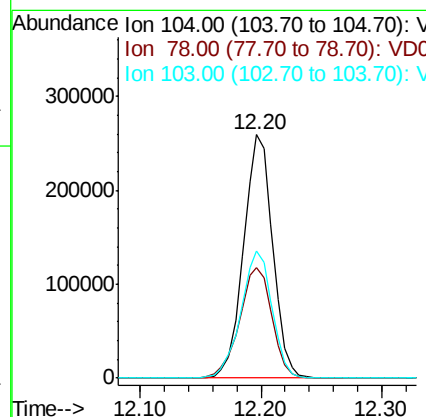
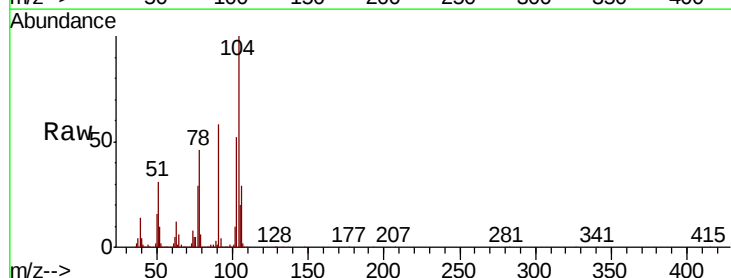
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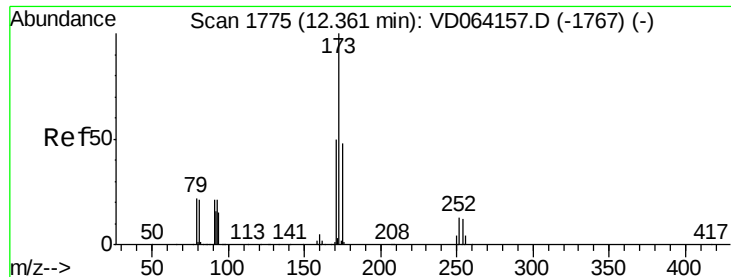
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#70
Styrene
Concen: 18.809 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.7	39.9	59.9
103	55.9	43.4	65.0





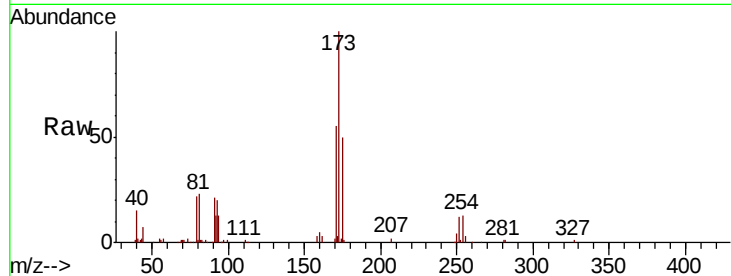
#71
Bromoform
Concen: 19.870 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

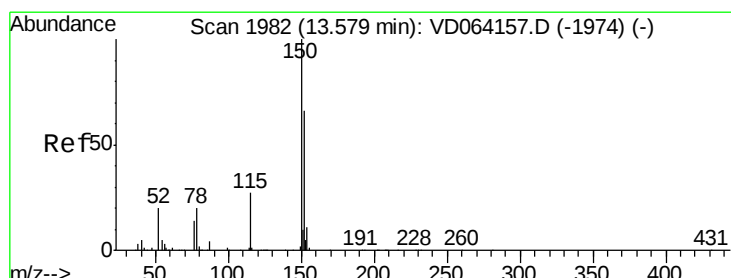
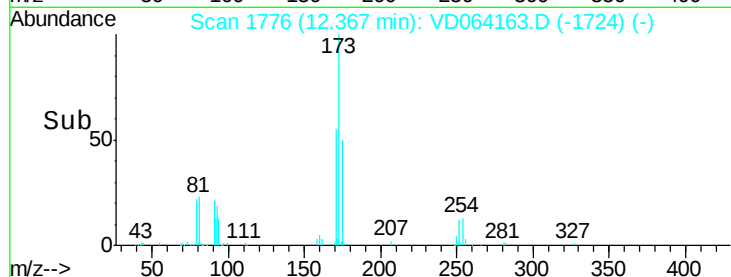
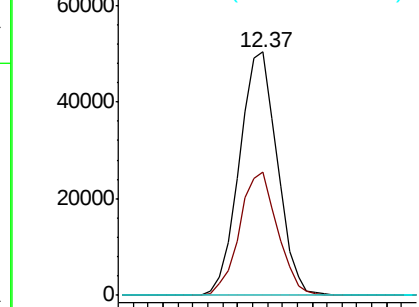
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.7	24.1	72.3
254	0.0	0.2	0.2

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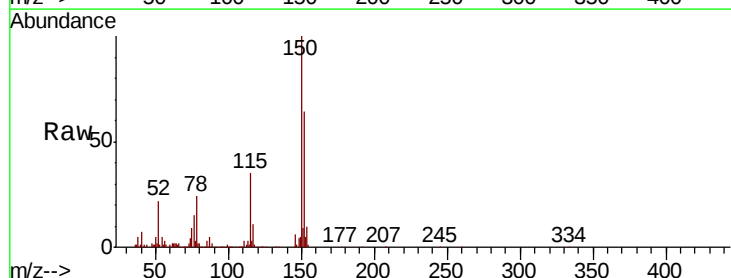


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

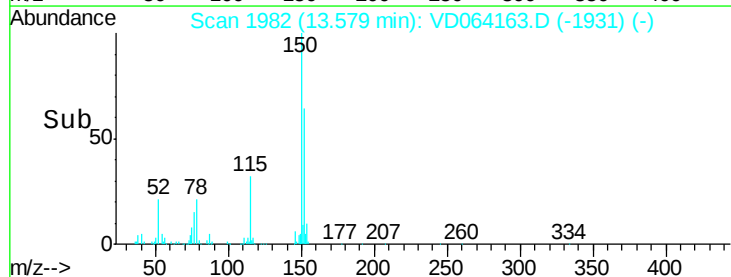
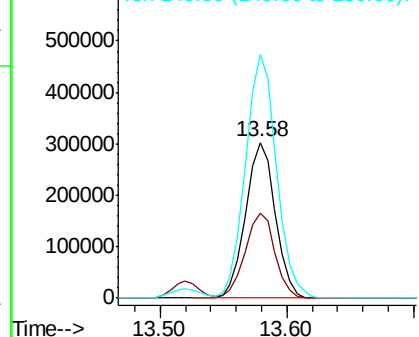


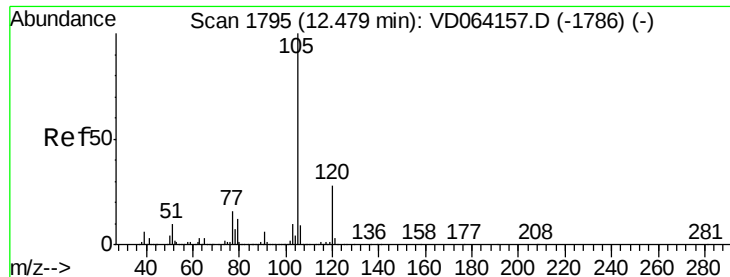
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.4	82.2
150	163.7	0.0	351.6



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





#73

Isopropylbenzene

Concen: 19.186 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

VD1108SBS01

Tot Ion: 105 Resp: 690890

Ion Ratio Lower Upper

105 100

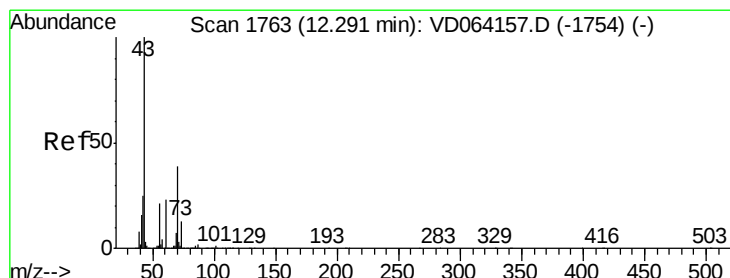
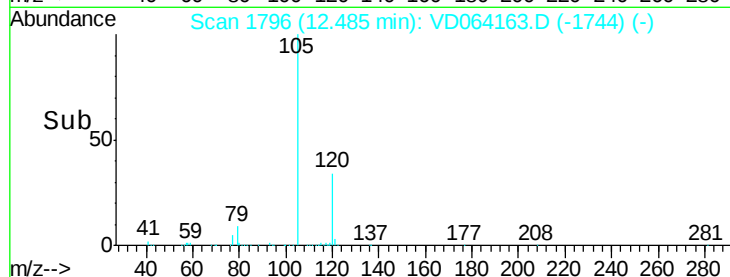
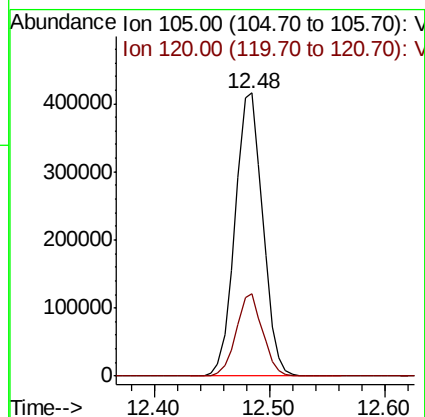
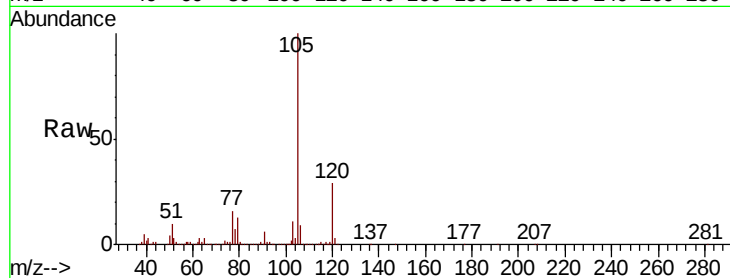
120 27.5 13.6 40.8

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#74

N-ethyl acetate

Concen: 20.245 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Tgt Ion: 43 Resp: 172154

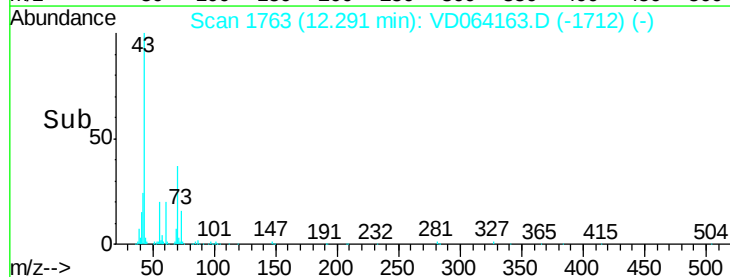
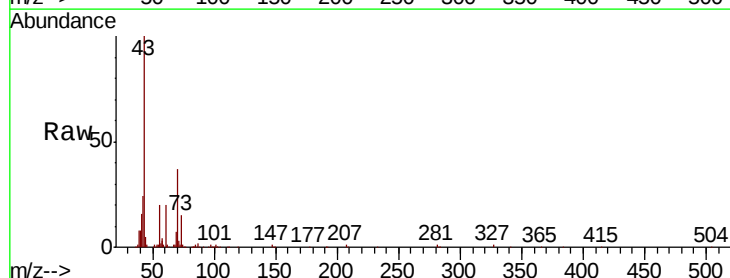
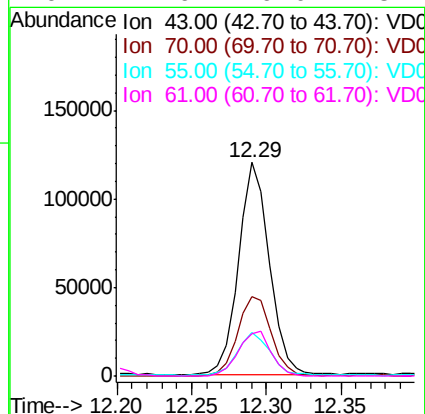
Ion Ratio Lower Upper

43 100

70 40.9 32.4 48.6

55 21.6 17.9 26.9

61 22.6 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.225 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

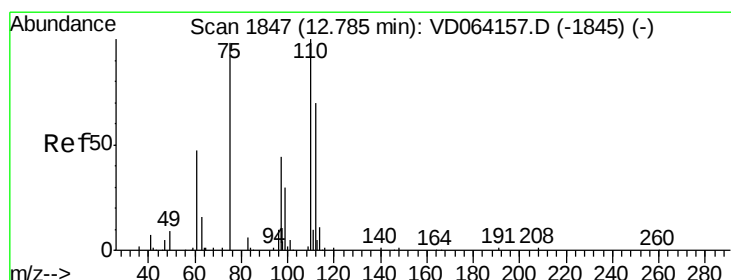
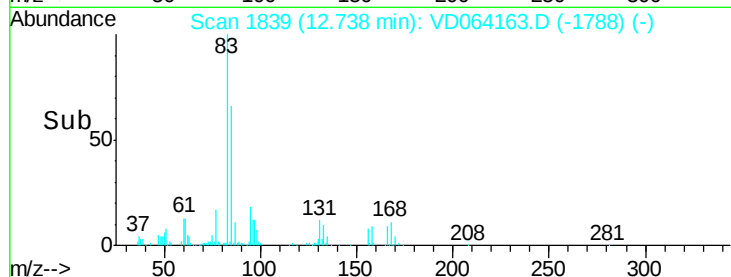
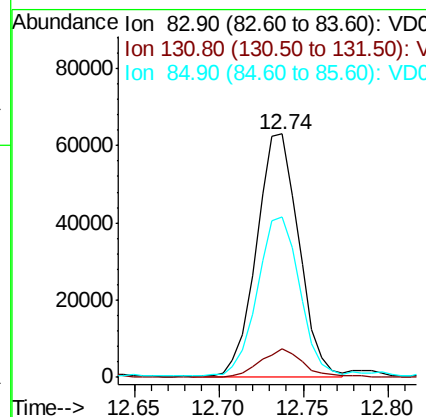
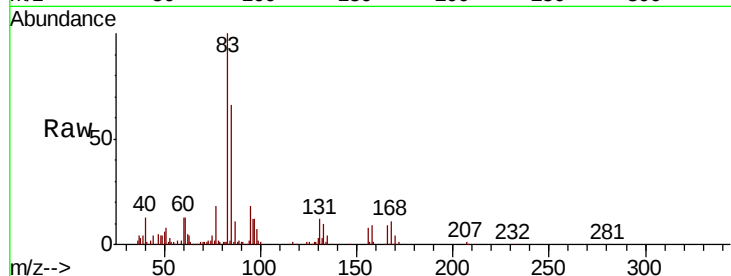
ClientSampleId :

VD1108SBS01

Tot Ion:	83	Resp:	109739
Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.9	17.7
85	64.9	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.710 ug/l m

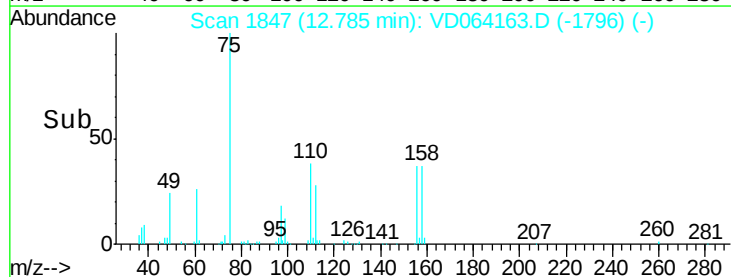
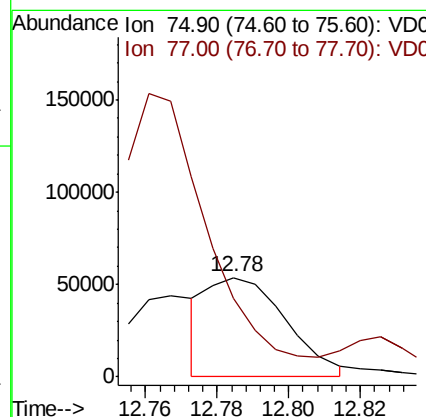
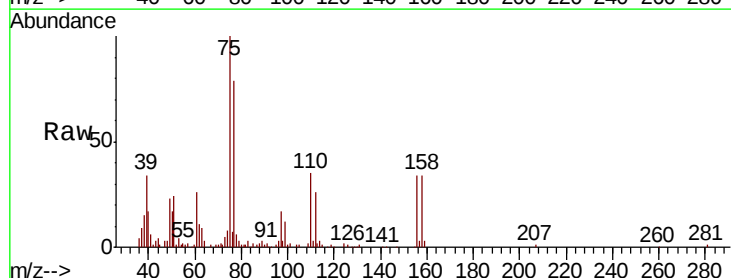
RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Tgt Ion:	75	Resp:	81838
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.561 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

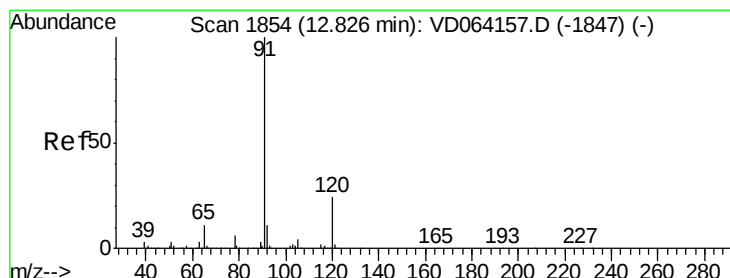
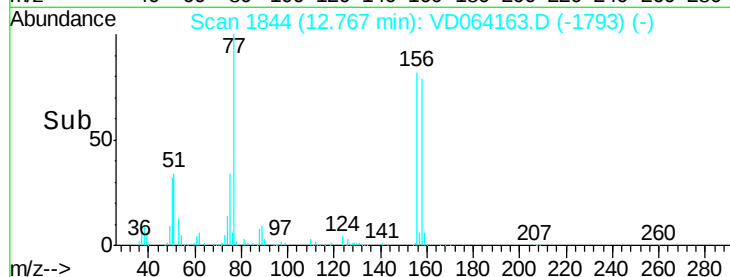
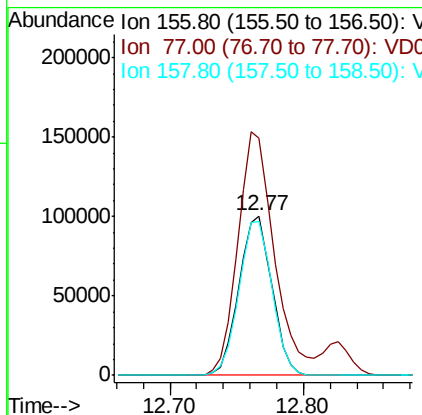
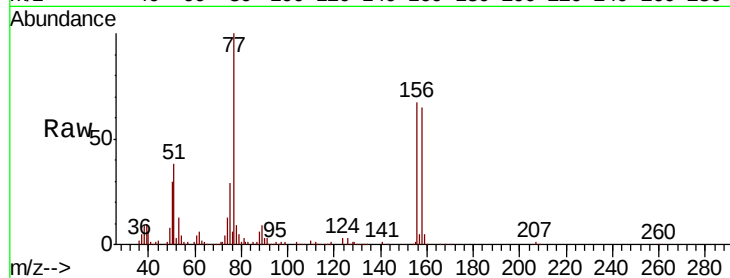
ClientSampleId :

VD1108SBS01

Tot Ion:	156	Resp:	171129
Ion Ratio	Lower	Upper	
156	100		
77	169.9	81.2	243.4
158	97.7	48.4	145.2

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#78

n-propylbenzene

Concen: 19.480 ug/l

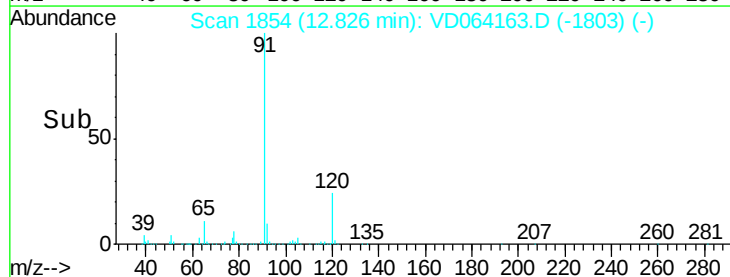
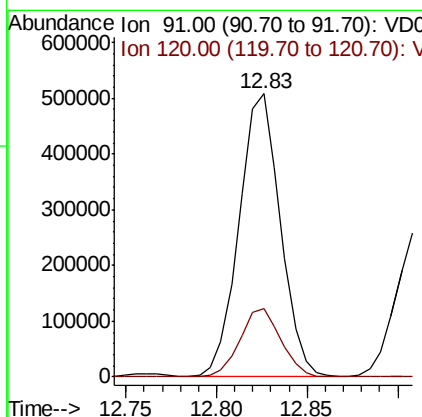
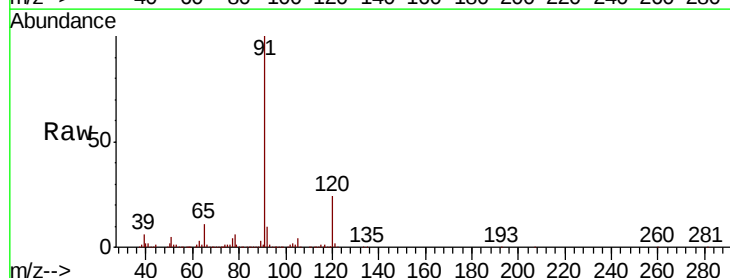
RT: 12.83 min Scan# 1854

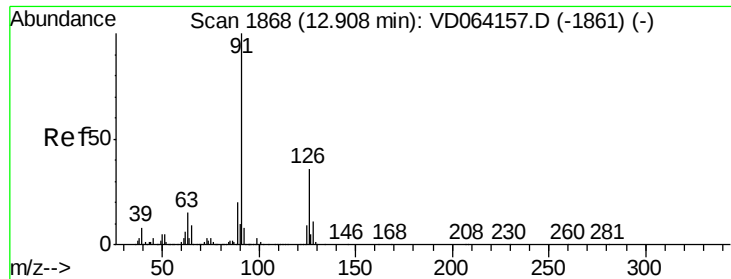
Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Tgt Ion:	91	Resp:	801443
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.8	35.4





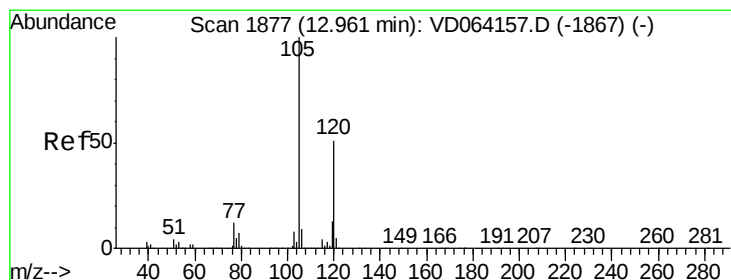
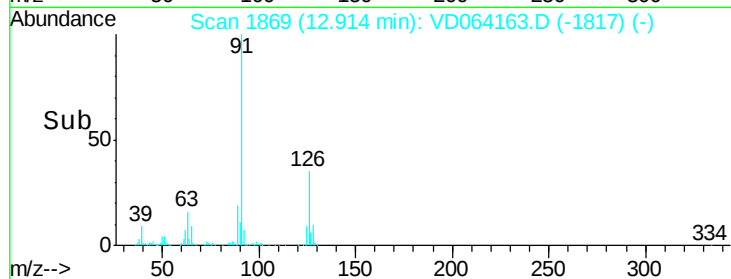
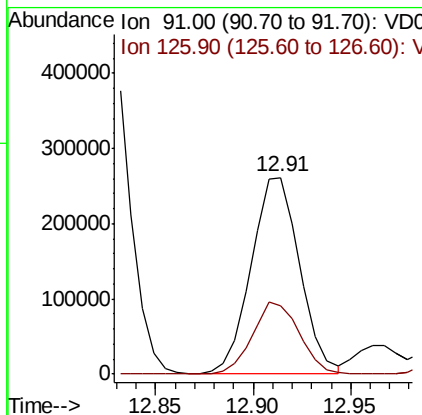
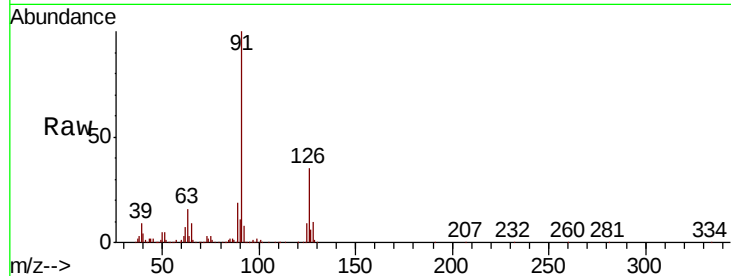
#79
2-Chlorotoluene
Concen: 19.277 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

Tot Ion: 91 Resp: 447758
Ion Ratio Lower Upper
91 100
126 35.6 17.7 53.1

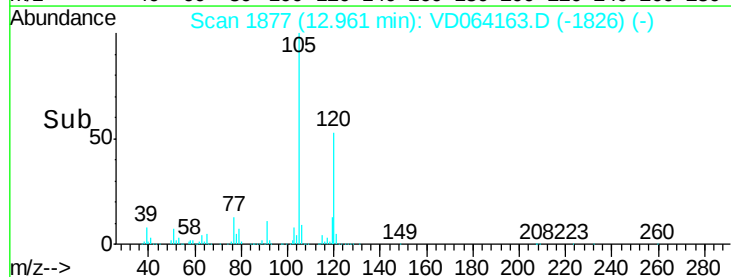
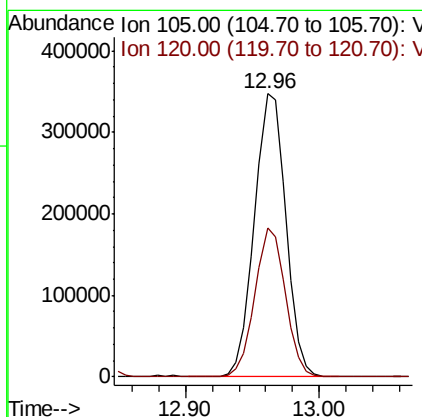
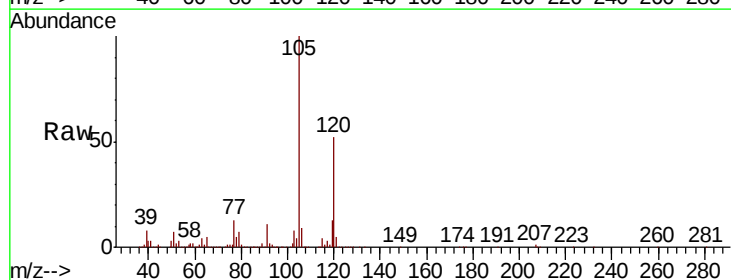
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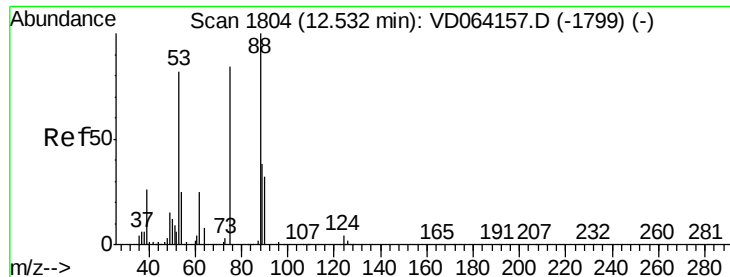
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.066 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion: 105 Resp: 564159
Ion Ratio Lower Upper
105 100
120 50.9 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.028 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

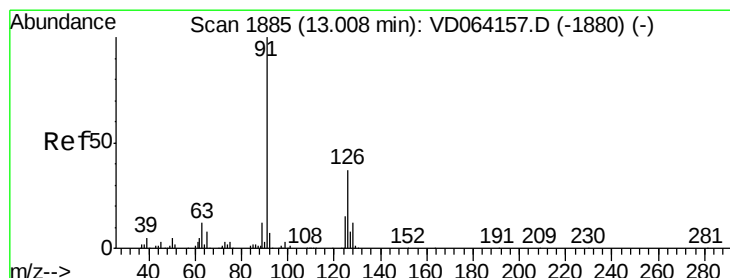
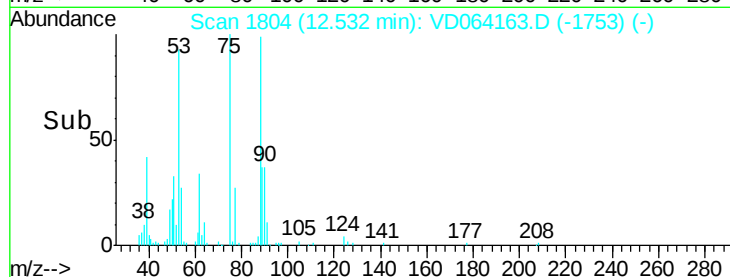
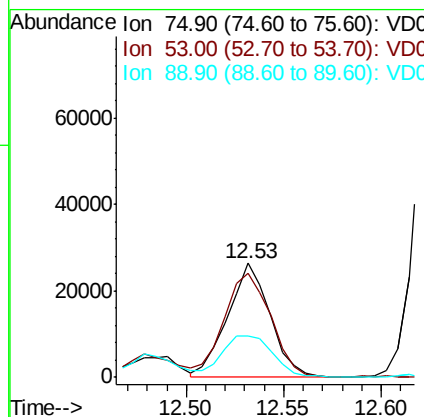
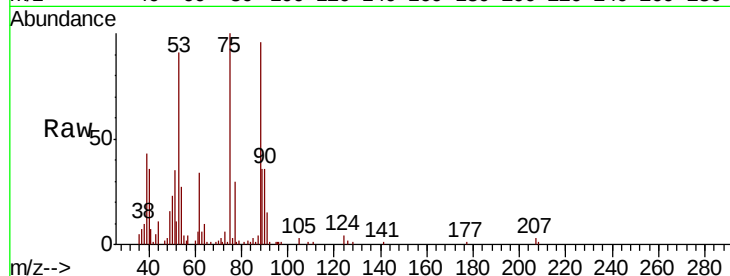
ClientSampleId :

VD1108SBS01

Tot Ion:	75	Resp:	39843
Ion Ratio	Lower	Upper	
75	100		
53	99.5	79.4	119.0
89	43.2	36.6	55.0

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#82

4-Chlorotoluene

Concen: 19.609 ug/l

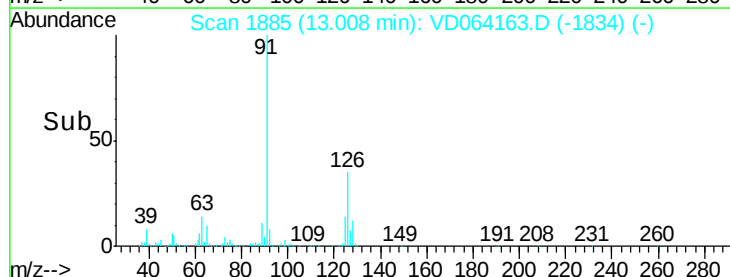
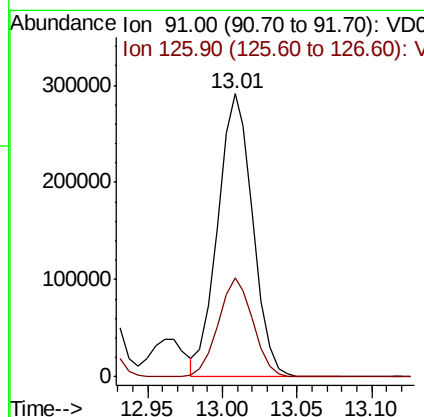
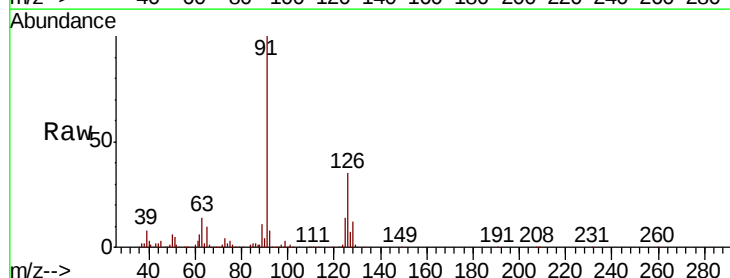
RT: 13.01 min Scan# 1885

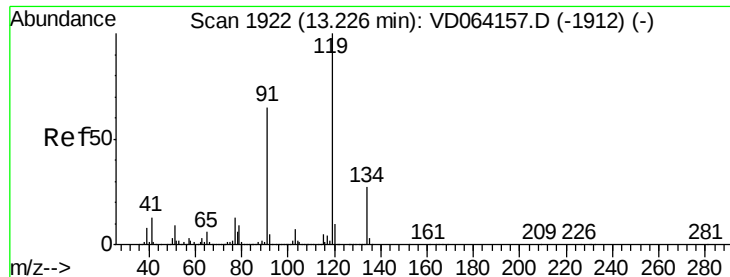
Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Tgt Ion:	91	Resp:	475079
Ion Ratio	Lower	Upper	
91	100		
126	34.8	17.8	53.4





#83

tert-Butylbenzene

Concen: 19.599 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

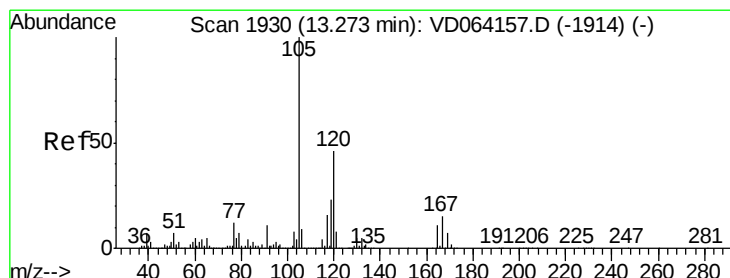
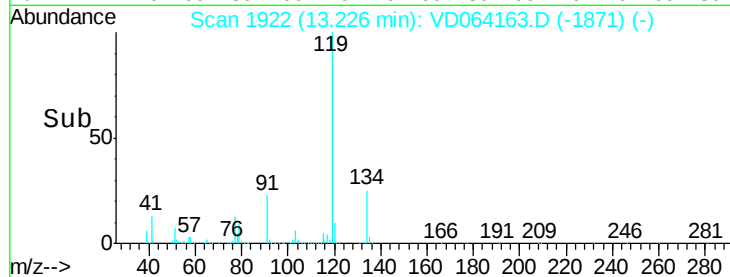
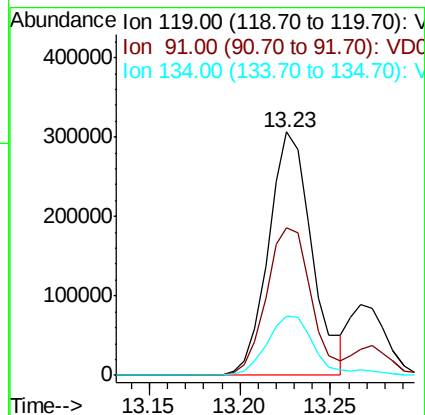
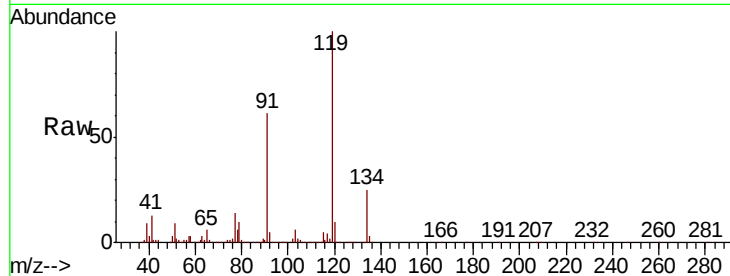
ClientSampleId :

VD1108SBS01

Tot Ion:	119	Resp:	511355
Ion Ratio	Lower	Upper	
119	100		
91	62.3	31.8	95.4
134	26.9	13.7	41.0

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#84

1,2,4-Trimethylbenzene

Concen: 19.263 ug/l

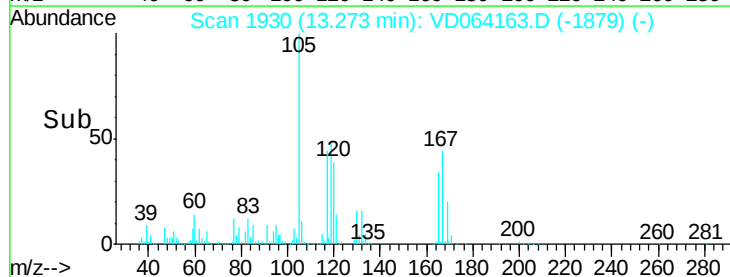
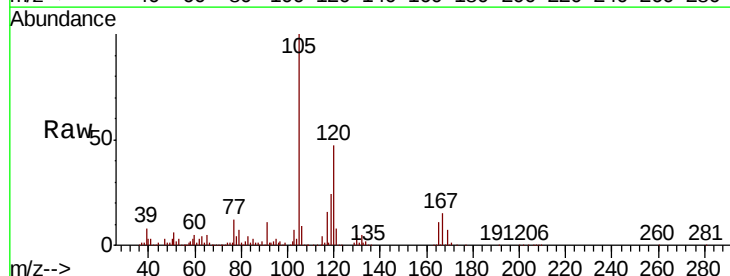
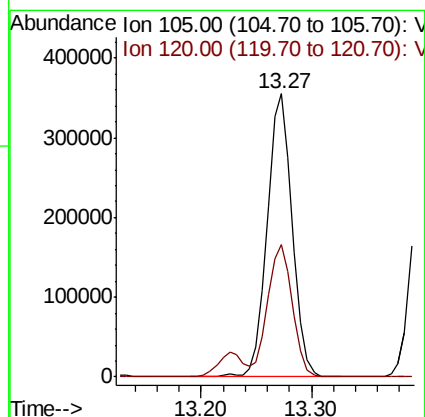
RT: 13.27 min Scan# 1930

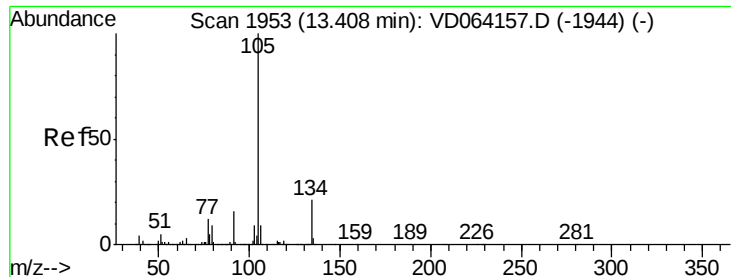
Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Tgt Ion:	105	Resp:	562707
Ion Ratio	Lower	Upper	
105	100		
120	46.4	23.3	69.8





#85

sec-Butylbenzene

Concen: 19.243 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

VD1108SBS01

Tot Ion:105 Resp: 674324

Ion Ratio Lower Upper

105 100

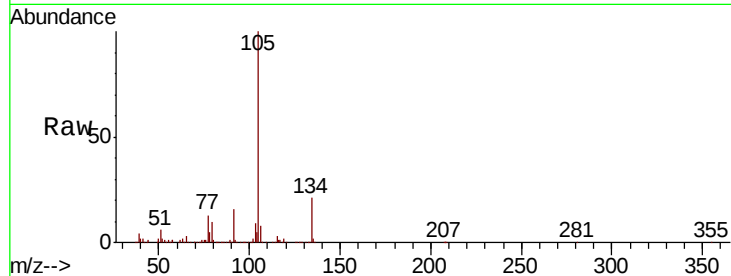
134 20.6 10.7 31.9

Manual Integrations

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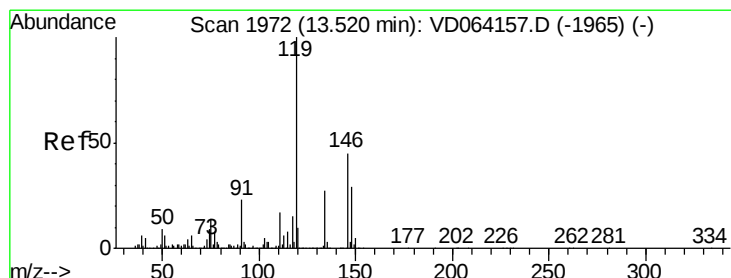
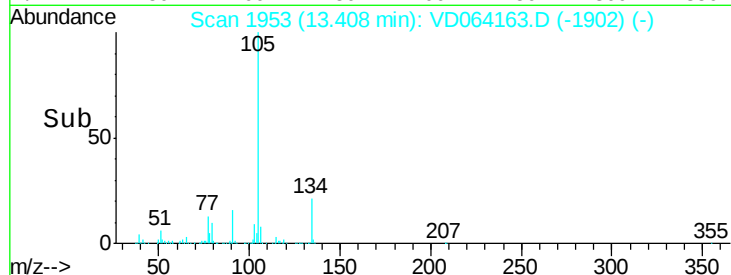
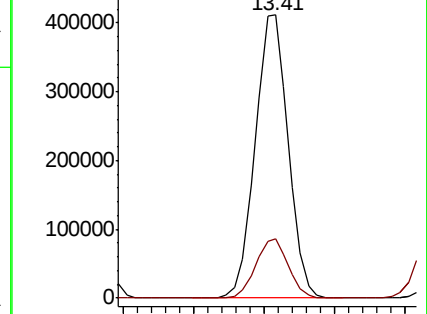
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.947 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD064163.D

Acq: 08 Nov 2019 19:14

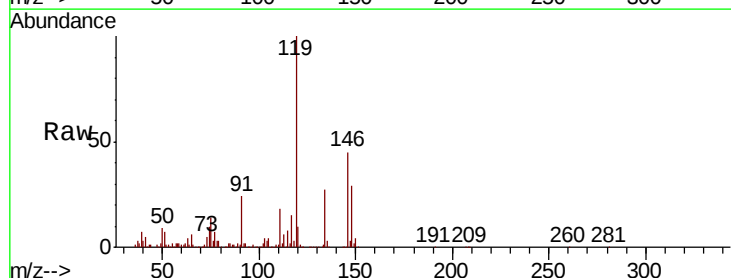
Tgt Ion:119 Resp: 631229

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

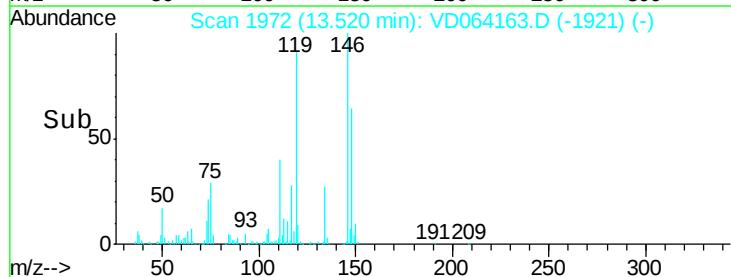
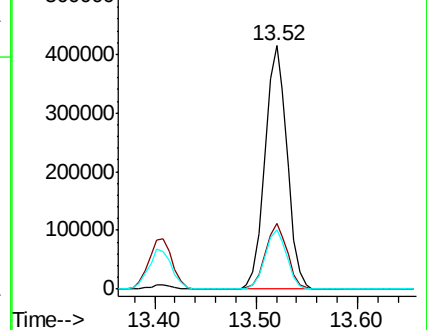
91 23.9 11.5 34.4

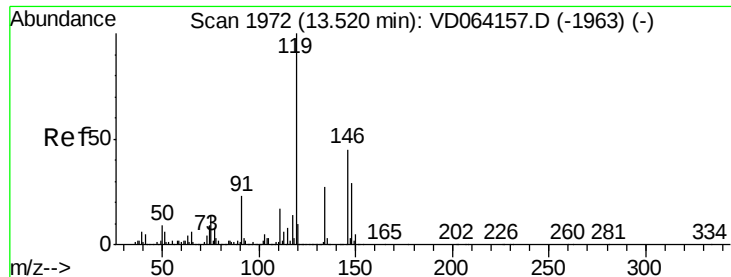


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





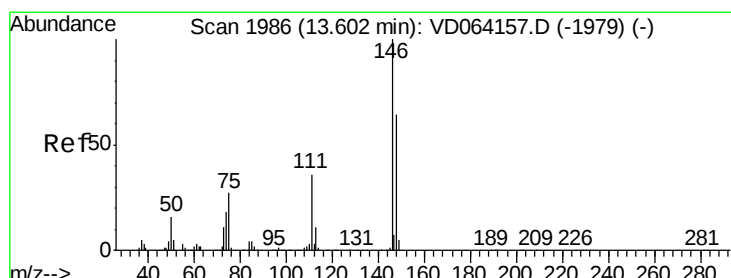
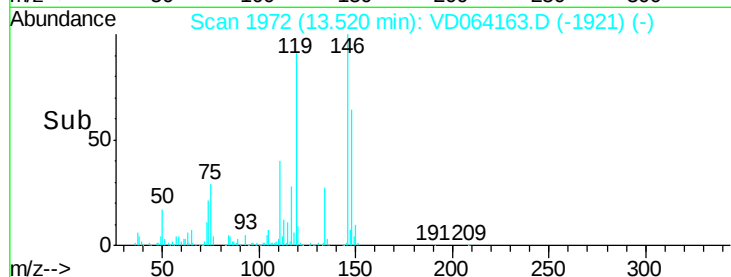
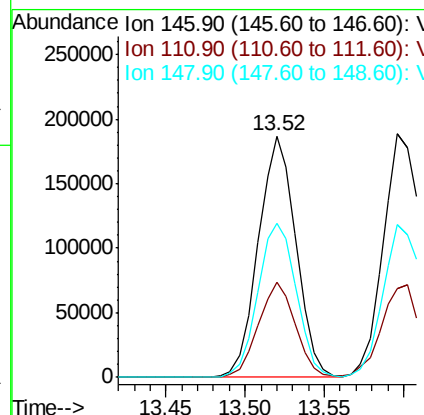
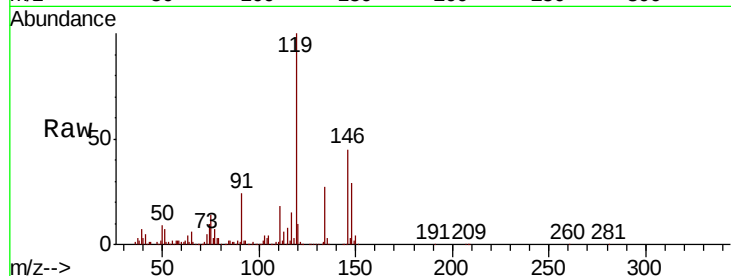
#87
1,3-Dichlorobenzene
Concen: 18.948 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.9
148	65.2	32.1	96.5

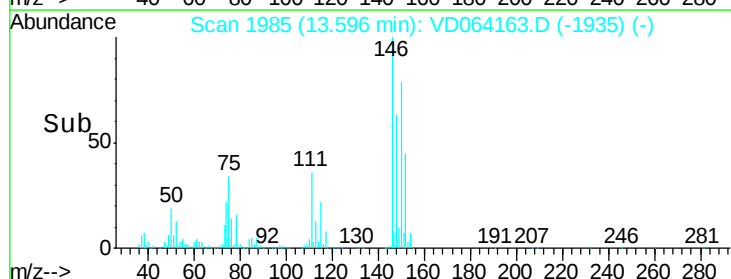
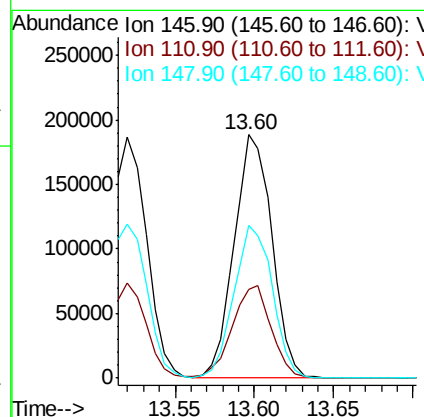
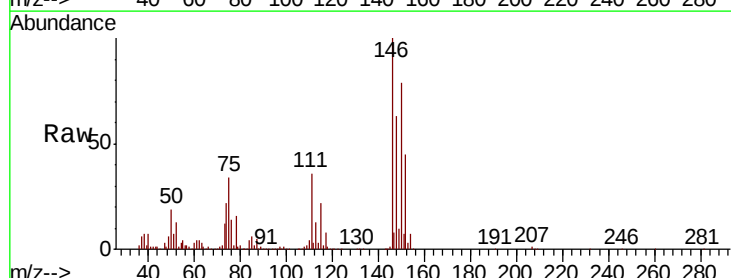
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#88
1,4-Dichlorobenzene
Concen: 19.656 ug/l
RT: 13.60 min Scan# 1985
Delta R.T. -0.01 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.1	54.4
148	64.1	31.9	95.7





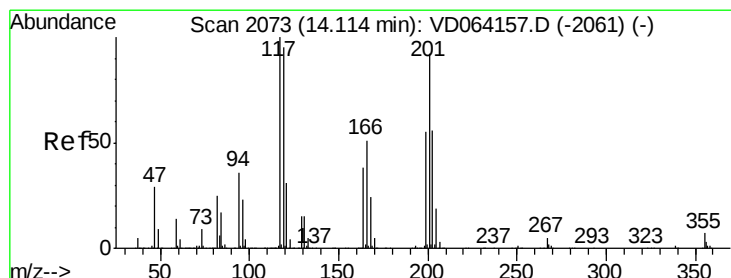
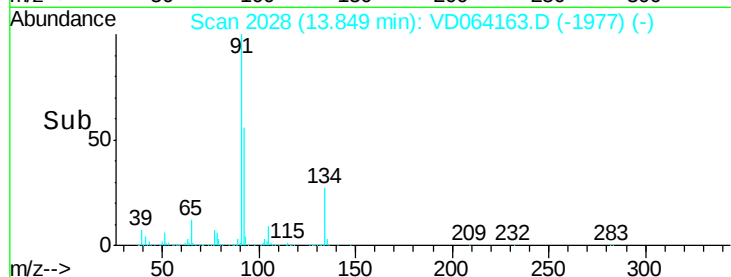
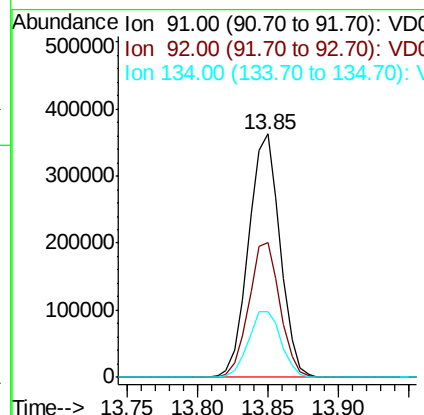
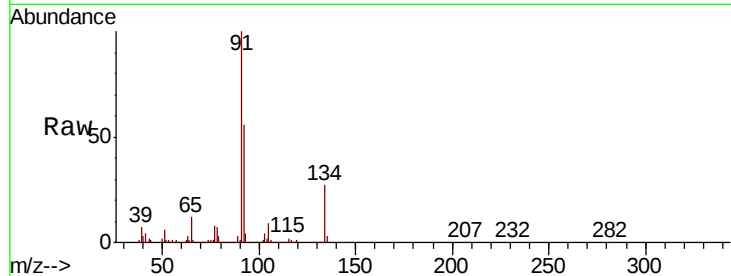
#89
n-Butylbenzene
Concen: 18.843 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.3	81.8
134	28.2	14.1	42.4

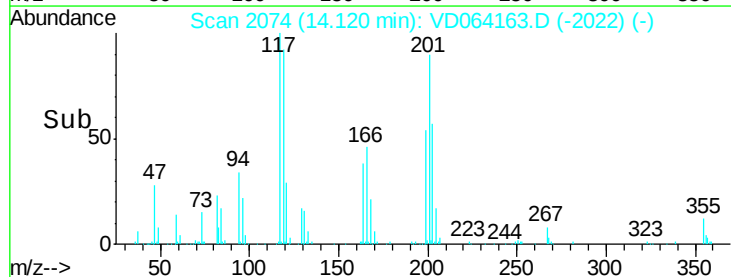
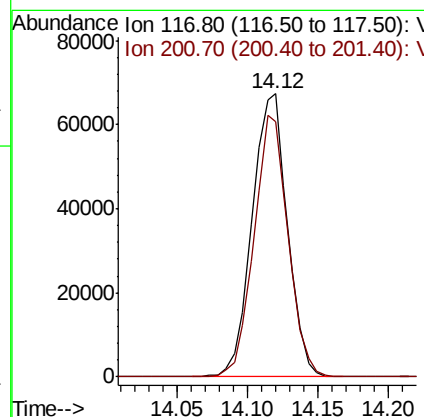
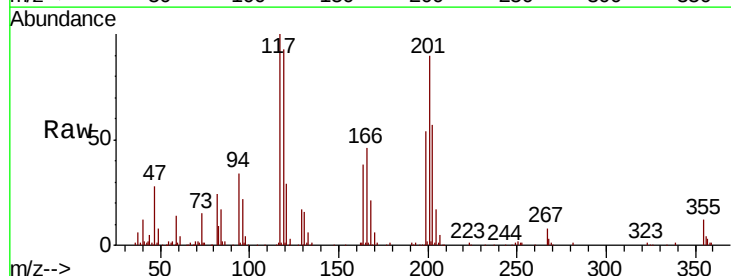
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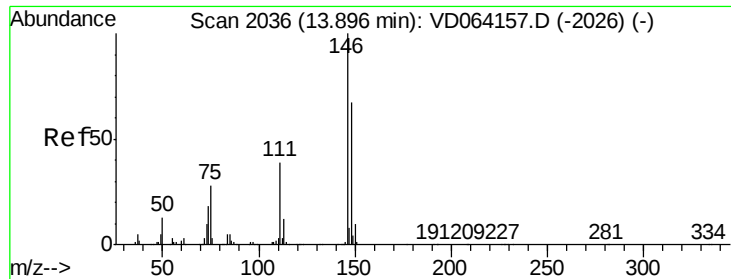
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#90
Hexachloroethane
Concen: 19.190 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.1	45.8	137.4





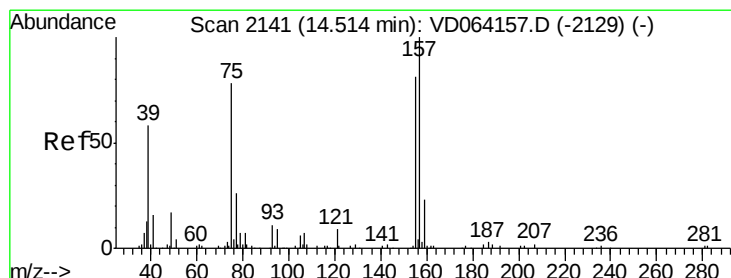
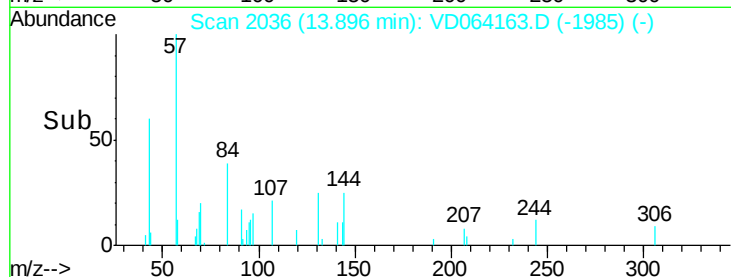
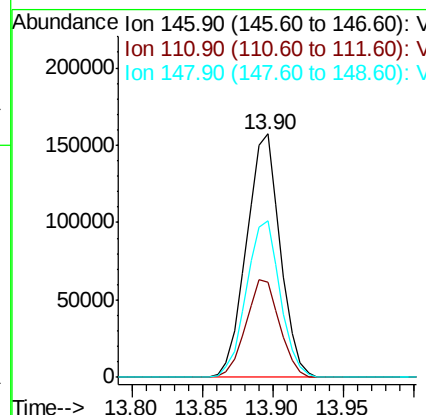
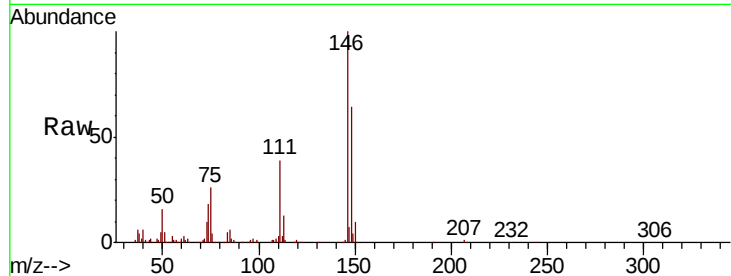
#91
 1,2-Dichlorobenzene
 Concen: 19.176 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1108SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.7	59.0
148	64.6	32.3	96.8

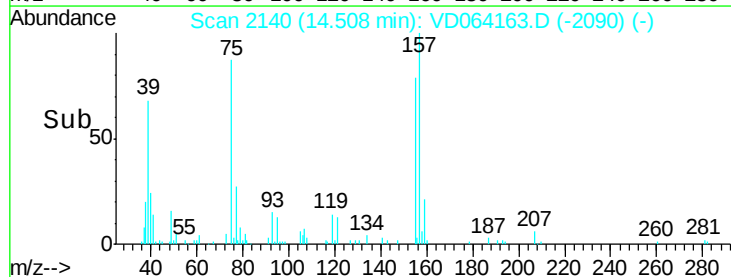
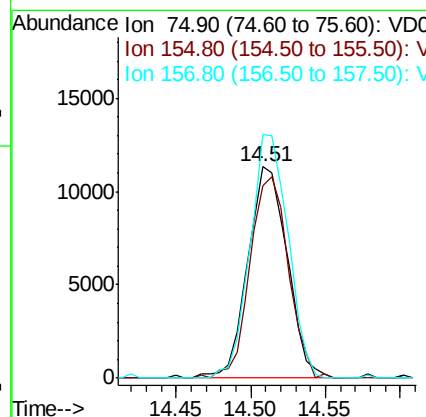
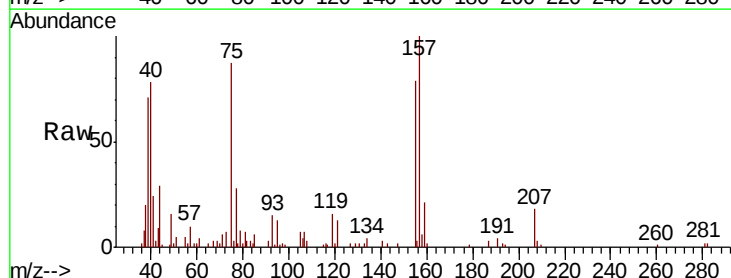
Manual Integrations
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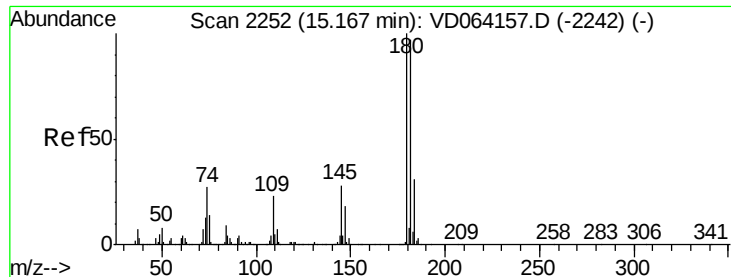
MMDadoda
 11/13/2019 11:15:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.339 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	48.0	144.0
157	110.8	61.5	184.4





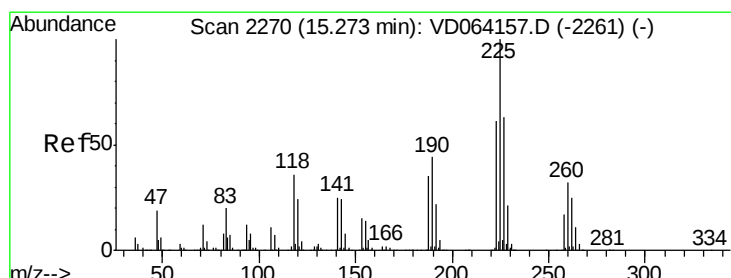
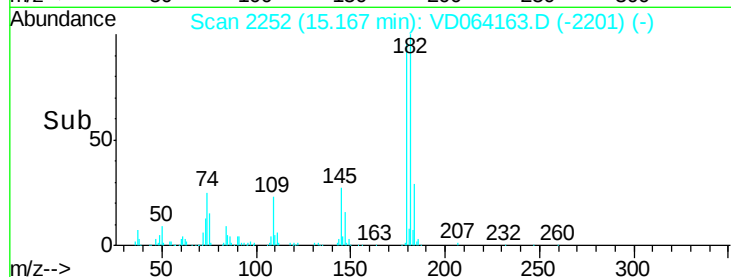
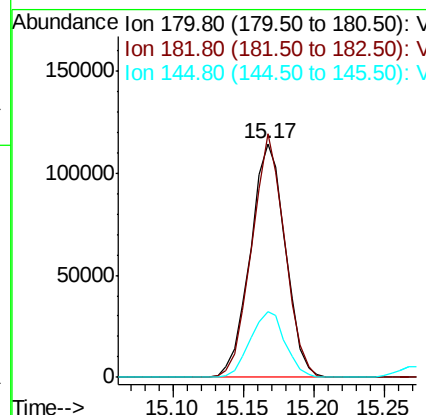
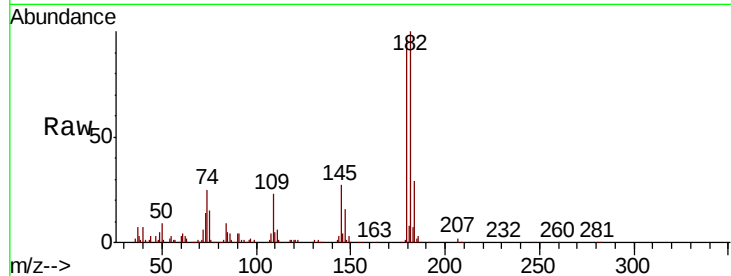
#93
 1,2,4-Trichlorobenzene
 Concen: 18.826 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	199619		
182	98.0	47.5	142.5	
145	28.1	14.2	42.6	

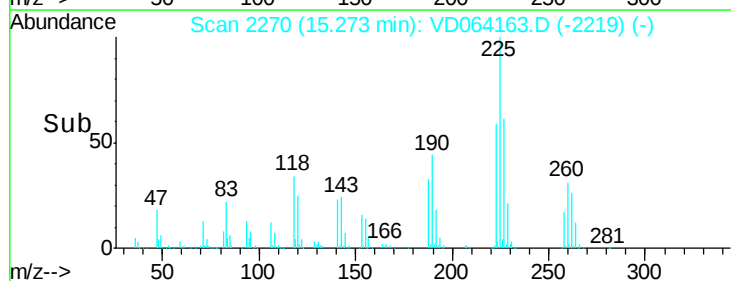
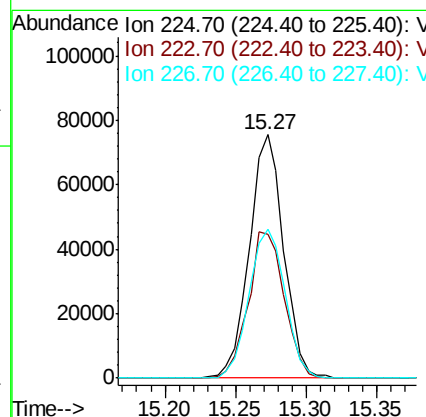
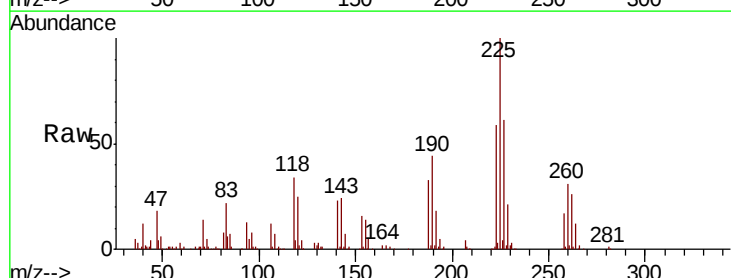
Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:15:05 AM



#94
 Hexachlorobutadiene
 Concen: 18.806 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD064163.D
 Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	128796		
223	63.0	31.1	93.3	
227	64.3	31.5	94.5	





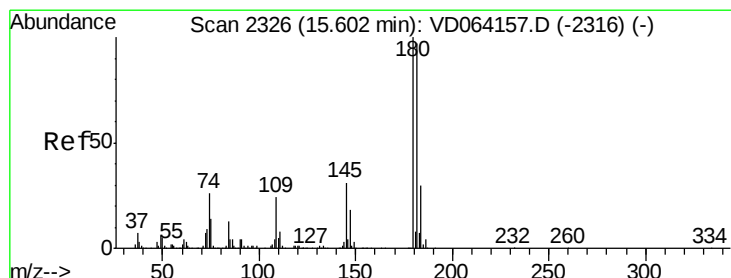
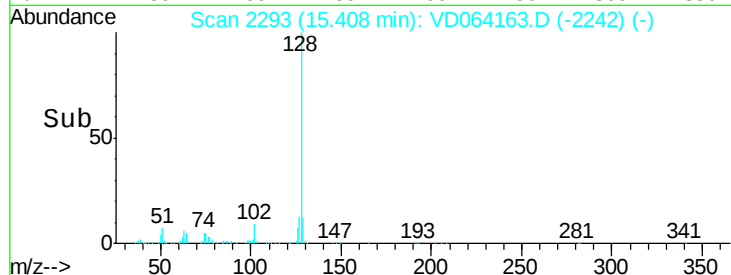
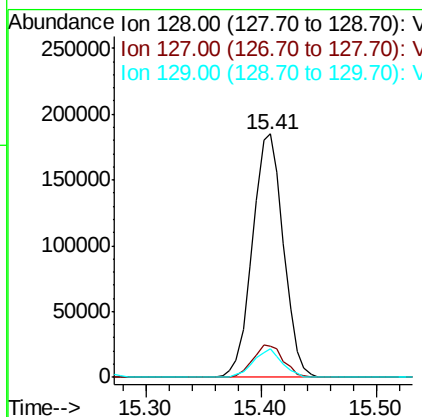
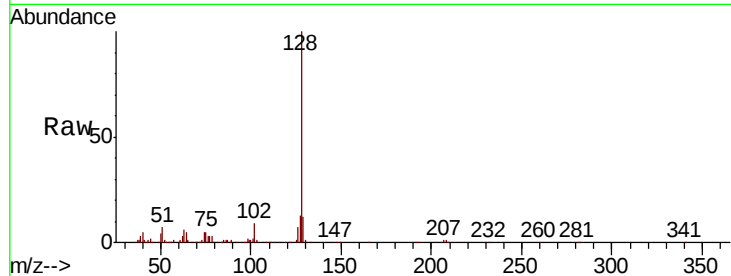
#95
Naphthalene
Concen: 19.897 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
VD1108SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:15:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.404 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD064163.D
Acq: 08 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.3	144.9
145	29.9	15.3	45.8

