

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063871.D
 Acq On : 02 Oct 2019 20:58
 Operator : VA/SY
 Sample : MDL03
 Misc : 5.00µ/5.00mL/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 4:32:57 PM

Quant Time: Oct 03 04:45:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:40:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	181147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	298518	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	290329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	144590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	84148	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
35) Dibromofluoromethane	7.92	113	81082	44.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.88%	
50) Toluene-d8	10.34	98	337550	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
62) 4-Bromofluorobenzene	12.63	95	106701	41.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	3697	2.878	ug/l	89
3) Chloromethane	2.21	50	12553	3.191	ug/l	92
4) Vinyl Chloride	2.35	62	12376	2.981	ug/l	93
5) Bromomethane	2.77	94	9104	3.411	ug/l	87
6) Chloroethane	2.93	64	8547	3.113	ug/l #	85
7) Trichlorofluoromethane	3.27	101	16133	2.939	ug/l	85
8) Diethyl Ether	3.70	74	3186	3.616	ug/l	62
9) 1,1,2-Trichlorotrifluoroet	4.09	101	4622	3.042	ug/l #	73
10) Methyl Iodide	4.29	142	5421	2.589	ug/l	96
11) Tert butyl alcohol	5.26	59	1749m	13.982	ug/l	
12) 1,1-Dichloroethene	4.06	96	4332	2.853	ug/l	92
13) Acrolein	3.92	56	2727	17.313	ug/l #	36
14) Allyl chloride	4.71	41	7396	2.930	ug/l #	39
15) Acrylonitrile	5.44	53	6220	16.011	ug/l #	33
16) Acetone	4.17	43	6781	14.768	ug/l #	80
17) Carbon Disulfide	4.40	76	14375	2.605	ug/l	100
18) Methyl Acetate	4.73	43	3674m	4.091	ug/l	
19) Methyl tert-butyl Ether	5.49	73	10272	2.613	ug/l #	84
20) Methylene Chloride	4.97	84	13868	5.885	ug/l	84
21) trans-1,2-Dichloroethene	5.46	96	4657m	2.464	ug/l	
22) Diisopropyl ether	6.37	45	14917	2.894	ug/l #	80
23) Vinyl Acetate	6.31	43	39994	13.042	ug/l	100
24) 1,1-Dichloroethane	6.27	63	8630	2.718	ug/l #	78
25) 2-Butanone	7.23	43	9490	17.440	ug/l #	84
26) 2,2-Dichloropropane	7.21	77	8994	3.131	ug/l	79
27) cis-1,2-Dichloroethene	7.22	96	6050	2.828	ug/l	86
28) Bromochloromethane	7.54	49	3955	3.324	ug/l	93
29) Tetrahydrofuran	7.59	42	4518	14.225	ug/l	98
30) Chloroform	7.71	83	10753	3.118	ug/l	90
31) Cyclohexane	7.99	56	12059	4.050	ug/l #	80
32) 1,1,1-Trichloroethane	7.91	97	7757	2.622	ug/l #	24
36) 1,1-Dichloropropene	8.11	75	7934	2.907	ug/l #	85
37) Ethyl Acetate	7.31	43	3884m	3.136	ug/l	
38) Carbon Tetrachloride	8.10	117	6885	2.496	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	10062	2.998	ug/l #	87
40) Benzene	8.36	78	20368	2.604	ug/l #	74
41) Methacrylonitrile	7.53	41	1334	2.108	ug/l #	46
42) 1,2-Dichloroethane	8.44	62	5890	2.603	ug/l	99
43) Isopropyl Acetate	8.47	43	6637	2.900	ug/l #	72
44) Trichloroethene	9.11	130	6453	2.861	ug/l	100
45) 1,2-Dichloropropane	9.38	63	5162	2.696	ug/l	96
46) Dibromomethane	9.48	93	3019	2.769	ug/l	88
47) Bromodichloromethane	9.67	83	7312	2.605	ug/l #	88
48) Methyl methacrylate	9.47	41	3470	3.164	ug/l	91
49) 1,4-Dioxane	9.48	88	916	61.547	ug/l #	69
51) 4-Methyl-2-Pentanone	10.24	43	18022	15.181	ug/l	94
52) Toluene	10.40	92	14410	2.684	ug/l	88
53) t-1,3-Dichloropropene	10.62	75	6589	2.405	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	8459	2.683	ug/l #	84
55) 1,1,2-Trichloroethane	10.80	97	3603	2.340	ug/l #	82
56) Ethyl methacrylate	10.66	69	5410	2.775	ug/l #	93
57) 1,3-Dichloropropane	10.95	76	6469	2.456	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	9823	11.722	ug/l	92
59) 2-Hexanone	10.99	43	10444	12.162	ug/l	94
60) Dibromochloromethane	11.14	129	4180	2.086	ug/l	96
61) 1,2-Dibromoethane	11.24	107	4058	2.719	ug/l	95
64) Tetrachloroethene	10.88	164	5099	2.573	ug/l #	75
65) Chlorobenzene	11.67	112	15361	2.635	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.74	131	4696	2.186	ug/l	86
67) Ethyl Benzene	11.74	91	27209	2.588	ug/l	96
68) m/p-Xylenes	11.85	106	20402	5.028	ug/l	92
69) o-Xylene	12.18	106	8628	2.220	ug/l	94
70) Styrene	12.20	104	15494	2.355	ug/l	96
71) Bromoform	12.36	173	2808	2.435	ug/l #	97
73) Isopropylbenzene	12.48	105	25936	2.668	ug/l	99
74) N-amyl acetate	12.29	43	5708	2.728	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	4117	2.434	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	3386m	3.496	ug/l	
77) Bromobenzene	12.76	156	5921	2.445	ug/l	82
78) n-propylbenzene	12.82	91	30831	2.702	ug/l	89
79) 2-Chlorotoluene	12.91	91	17974	2.857	ug/l	94
80) 1,3,5-Trimethylbenzene	12.96	105	20321	2.506	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	1470m	2.686	ug/l	
82) 4-Chlorotoluene	13.01	91	17676	2.649	ug/l	98
83) tert-Butylbenzene	13.22	119	19263	2.669	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	18879	2.258	ug/l	96
85) sec-Butylbenzene	13.40	105	24254	2.489	ug/l	93
86) p-Isopropyltoluene	13.52	119	23101	2.505	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	12262	2.563	ug/l	93
88) 1,4-Dichlorobenzene	13.60	146	12502	2.648	ug/l	91
89) n-Butylbenzene	13.84	91	22191	2.585	ug/l	96
90) Hexachloroethane	14.10	117	3903	2.353	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	10911	2.646	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	708	2.420	ug/l	94

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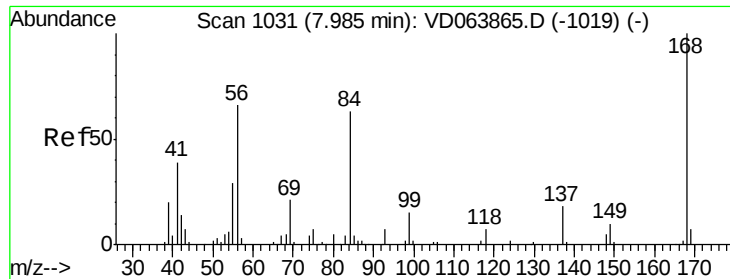
Manual Integrations
APPROVED

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10/4/2019 4:32:57 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	8552	2.688	ug/l	88
94) Hexachlorobutadiene	15.27	225	4451	2.535	ug/l	87
95) Naphthalene	15.41	128	12550	2.347	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.60	180	6097	2.221	ug/l	87

(#) = 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: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

MDL03

Tot Ion:168 Resp: 181147

Ion Ratio Lower Upper

168 100

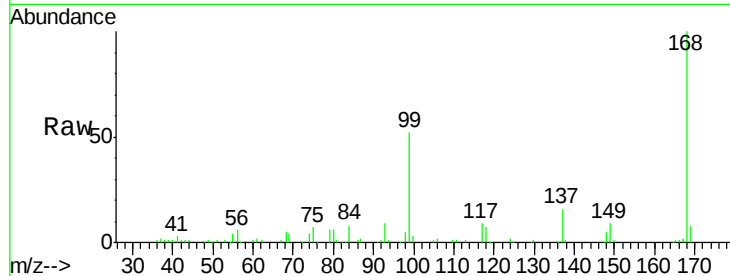
99 52.0 43.0 64.4

Manual Integrations

APPROVED

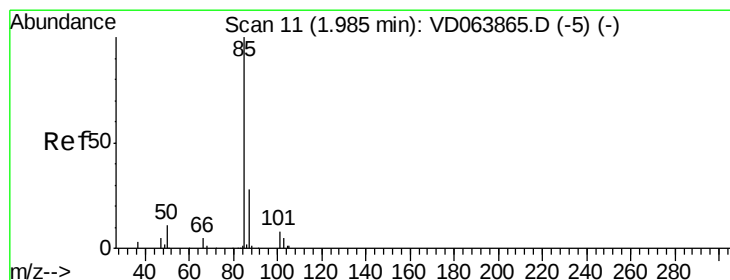
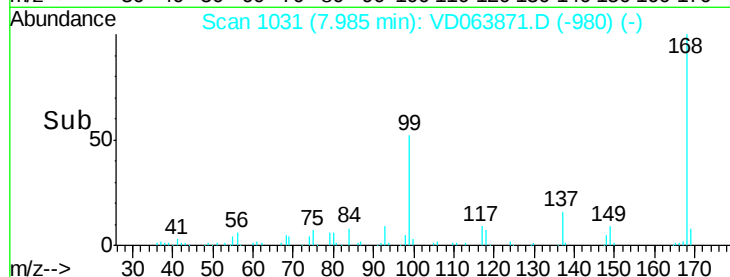
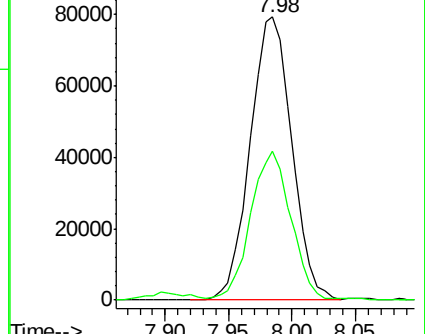
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 2.878 ug/l

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD063871.D

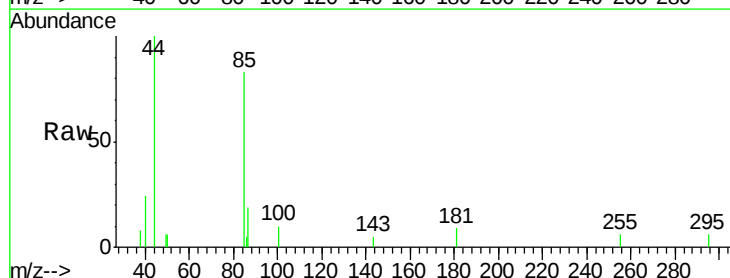
Acq: 02 Oct 2019 20:58

Tgt Ion: 85 Resp: 3697

Ion Ratio Lower Upper

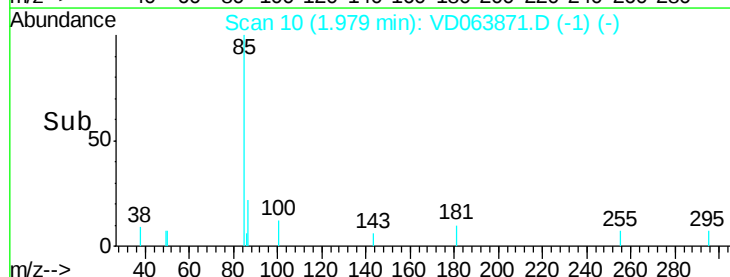
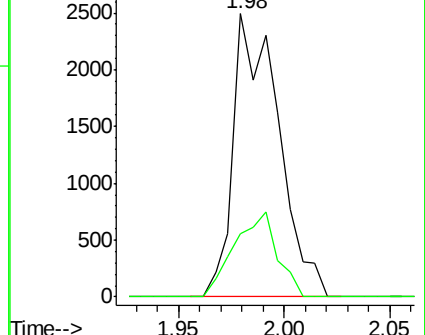
85 100

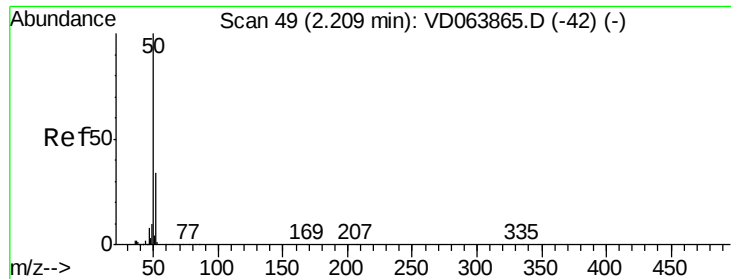
87 22.4 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 3.191 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

ClientSampled :

MDL03

Tot Ion: 50 Resp: 12553

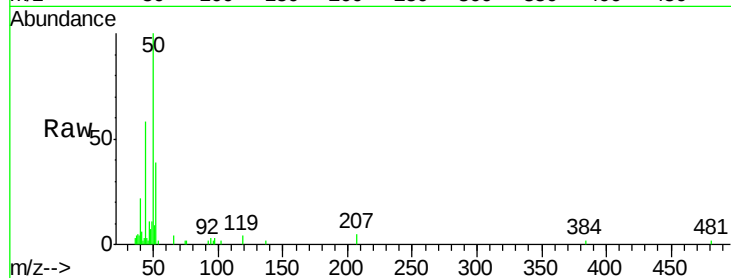
Ion Ratio Lower Upper

50 100

52 38.9 27.5 41.3

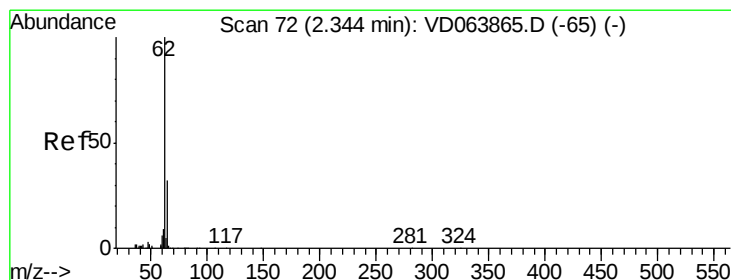
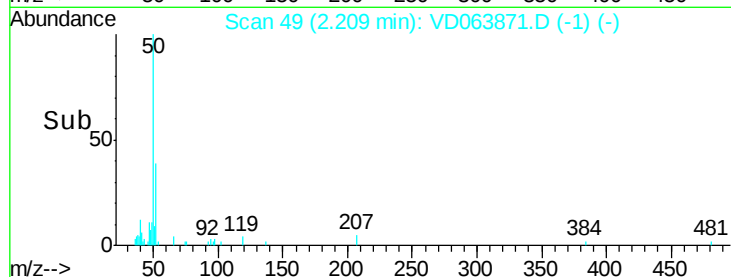
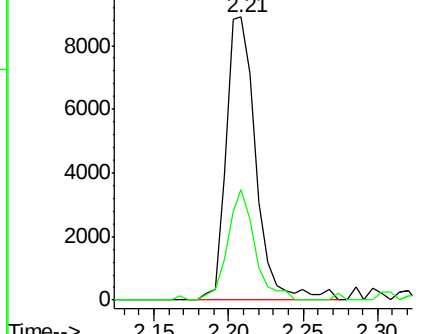
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 2.981 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063871.D

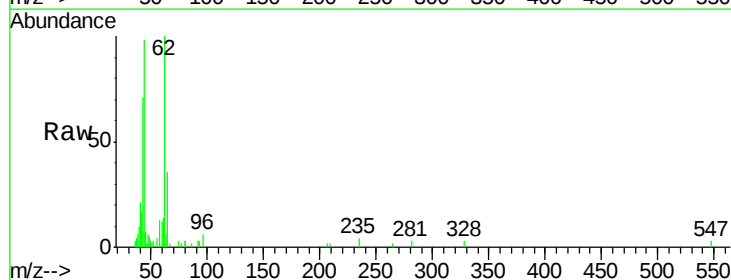
Acq: 02 Oct 2019 20:58

Tgt Ion: 62 Resp: 12376

Ion Ratio Lower Upper

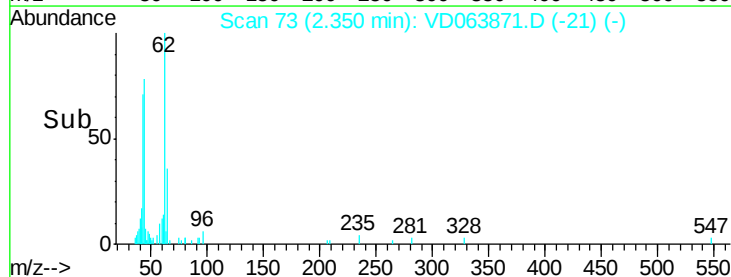
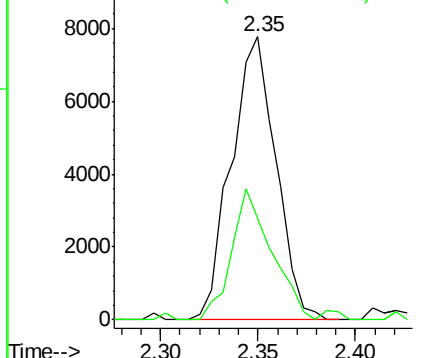
62 100

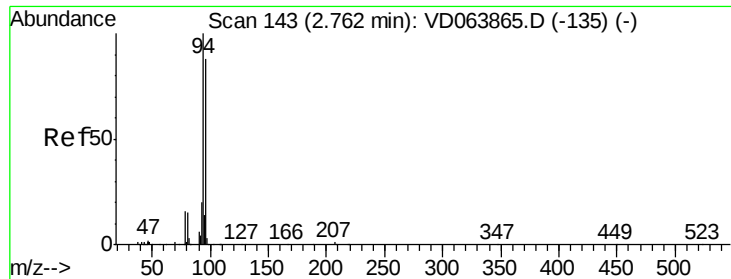
64 35.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 3.411 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

MDL03

Tot Ion: 94 Resp: 9104

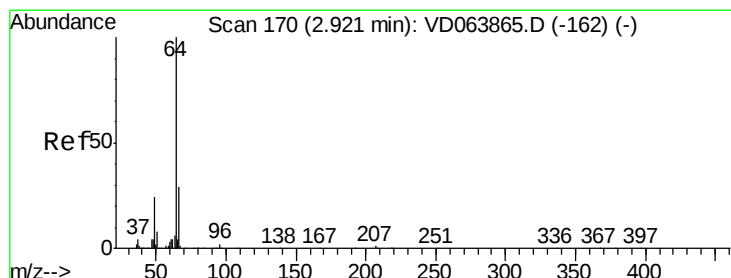
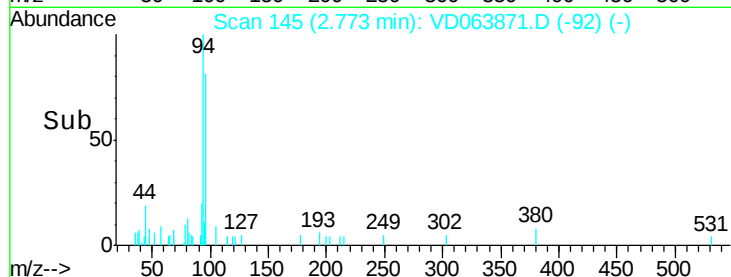
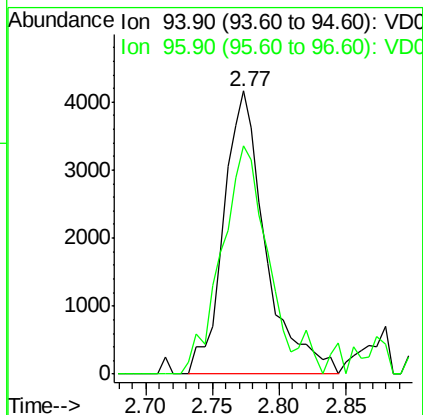
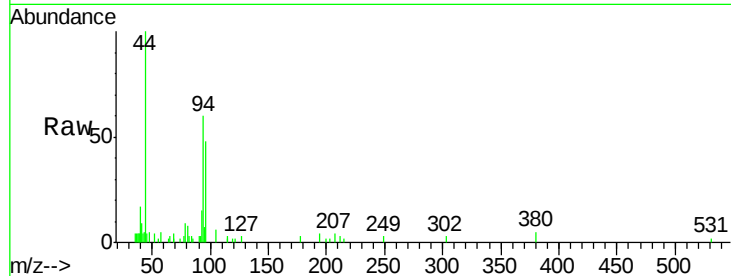
Ion Ratio Lower Upper

94 100

96 76.4 70.8 106.2

Manual Integrations
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#6

Chloroethane

Concen: 3.113 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063871.D

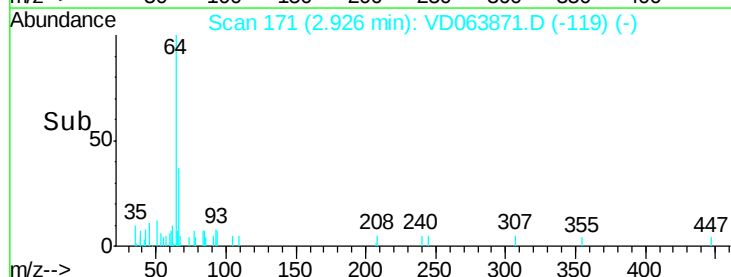
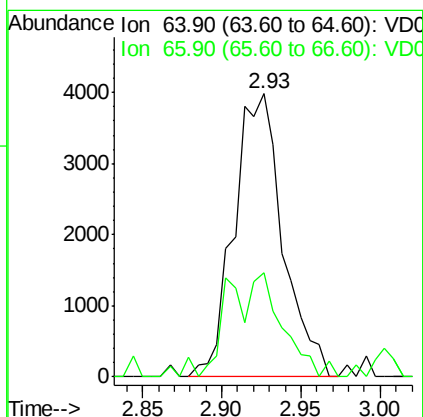
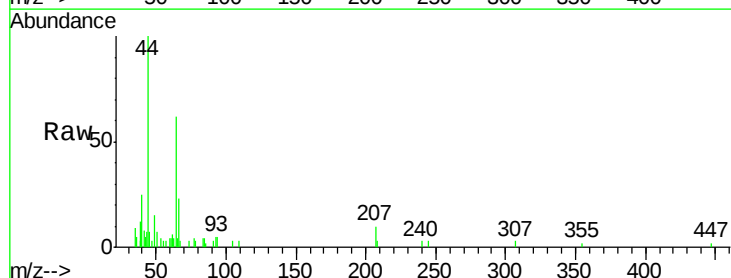
Acq: 02 Oct 2019 20:58

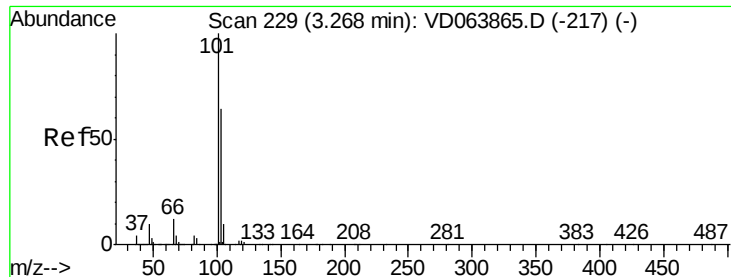
Tgt Ion: 64 Resp: 8547

Ion Ratio Lower Upper

64 100

66 36.6 23.0 34.4#





#7

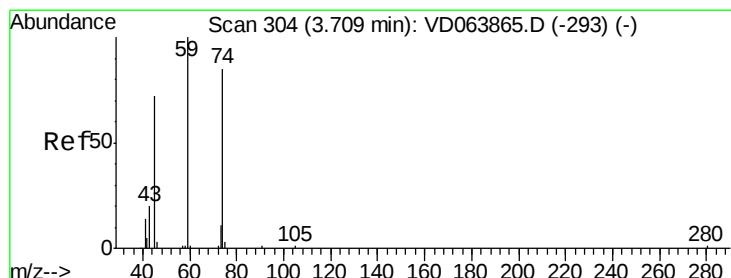
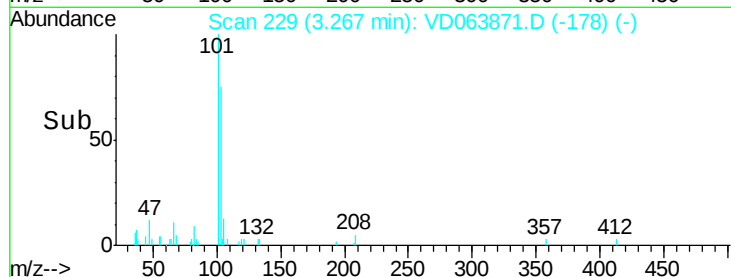
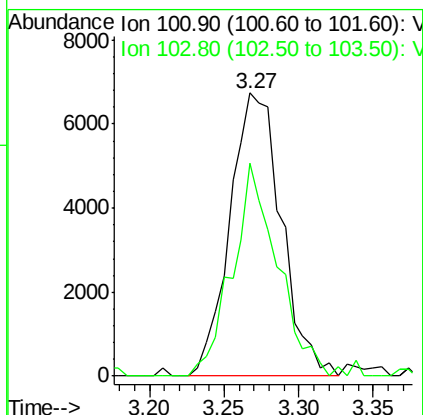
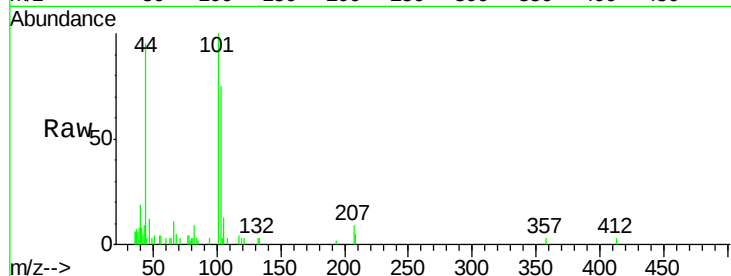
Trichlorofluoromethane
Concen: 2.939 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
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MDL03

Tot Ion	Ratio	Lower	Upper
101	100		
103	75.4	51.1	76.7

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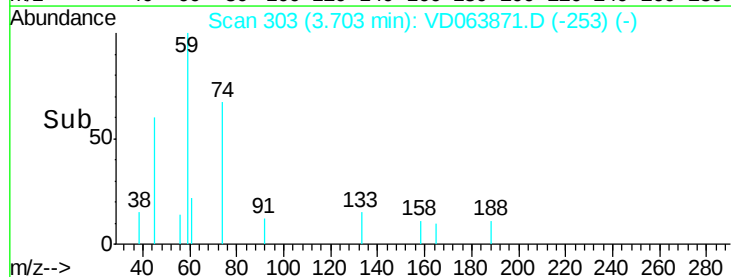
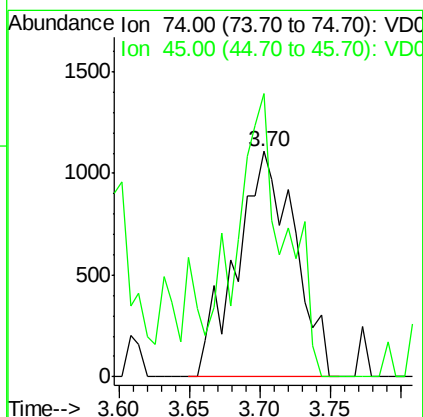
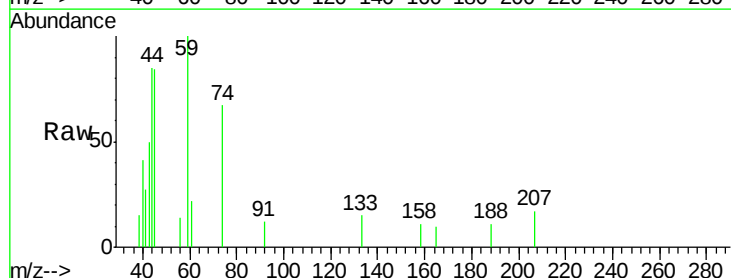
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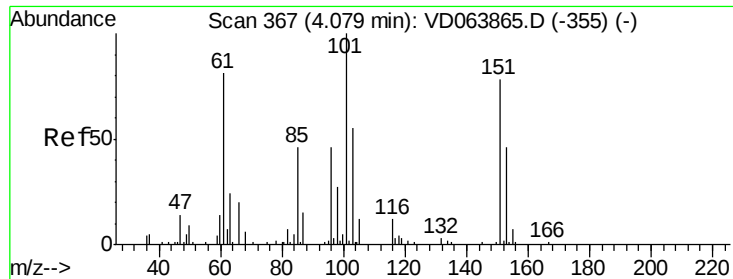


#8

Diethyl Ether
Concen: 3.616 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	59.1	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.042 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

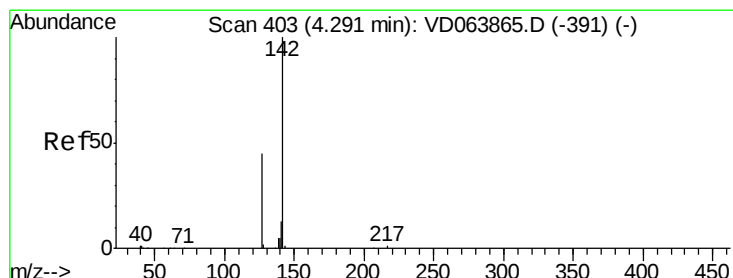
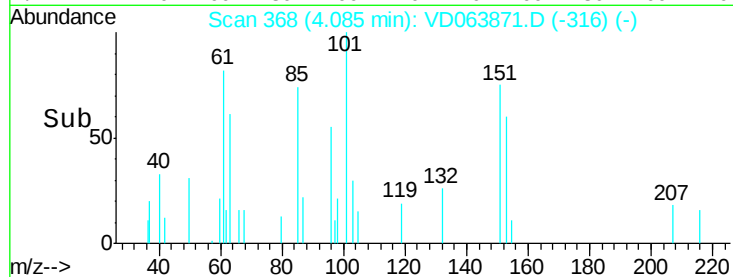
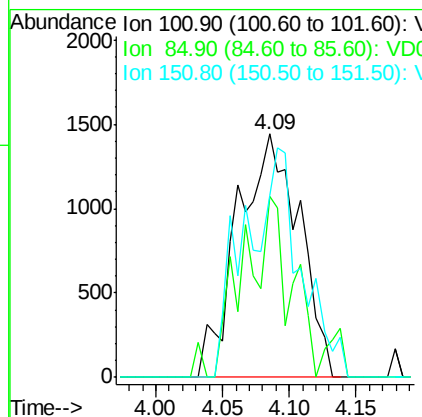
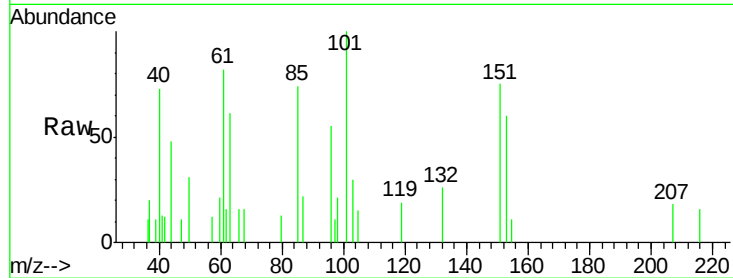
ClientSampleId :

MDL03

Tot Ion:	101	Resp:	4622
Ion Ratio	Lower	Upper	
101	100		
85	56.9	37.5	56.3#
151	51.1	65.5	98.3#

Manual Integrations
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MMDadoda
10/4/2019 4:32:57 PM



#10

Methyl Iodide

Concen: 2.589 ug/l

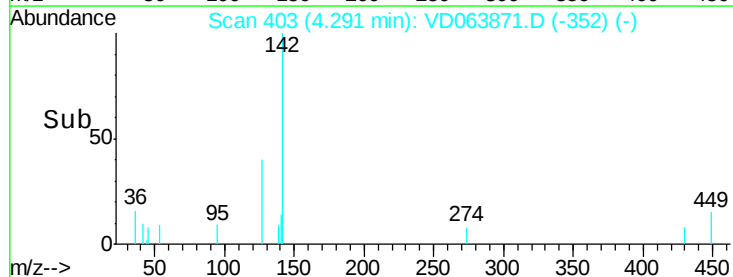
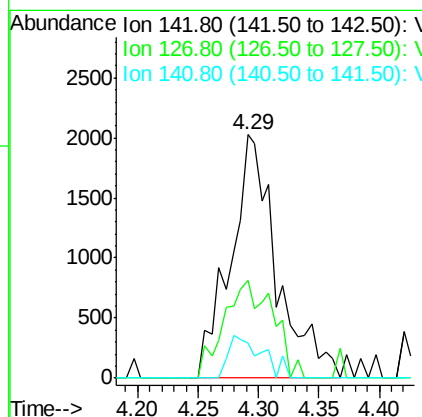
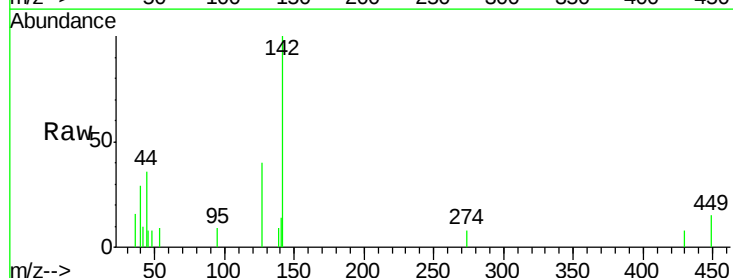
RT: 4.29 min Scan# 403

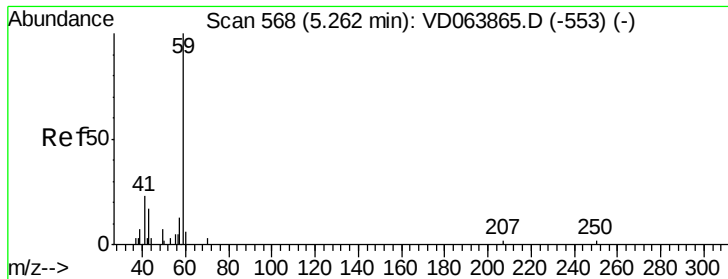
Delta R.T. -0.00 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Tgt Ion:	142	Resp:	5421
Ion Ratio	Lower	Upper	
142	100		
127	42.3	35.3	52.9
141	12.7	12.2	18.2





#11

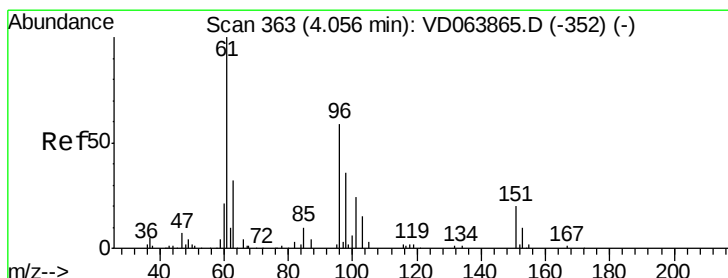
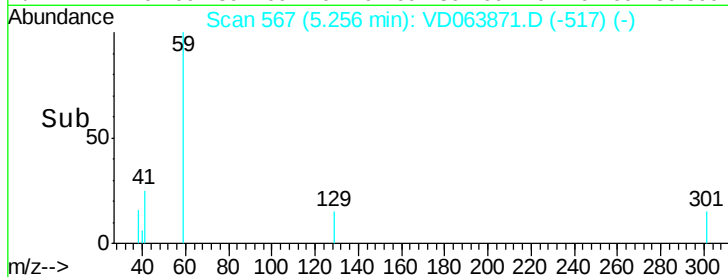
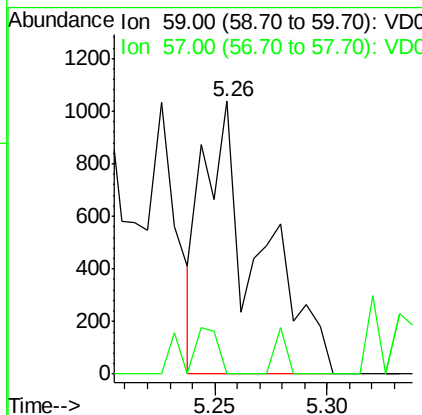
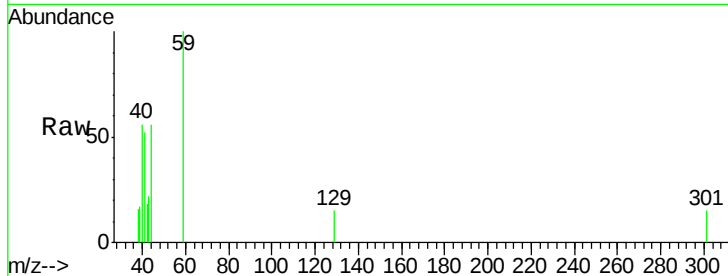
Tert butyl alcohol
 Concen: 13.982 ug/l m
 RT: 5.26 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.8	13.2

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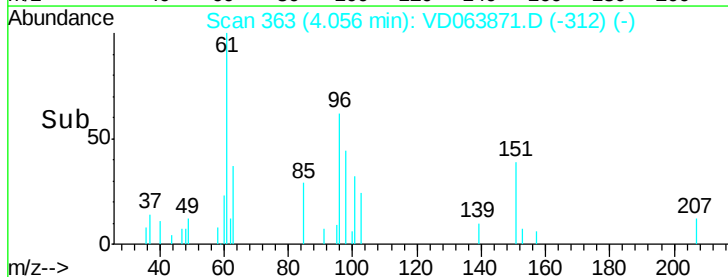
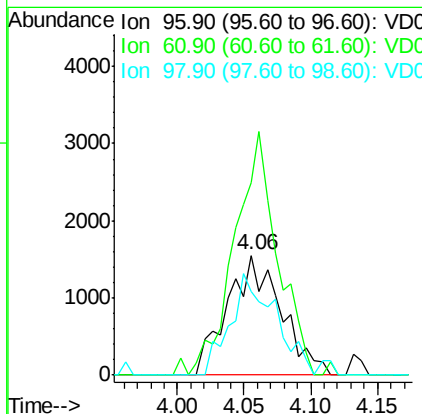
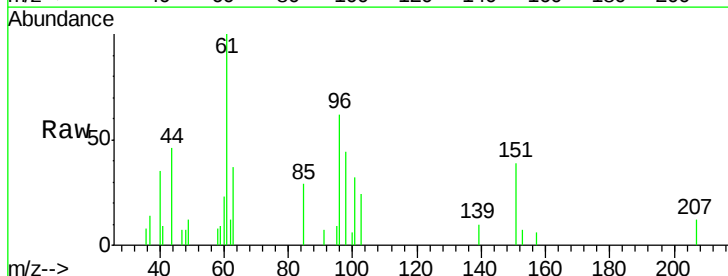
MMDadoda
 10/4/2019 4:32:57 PM

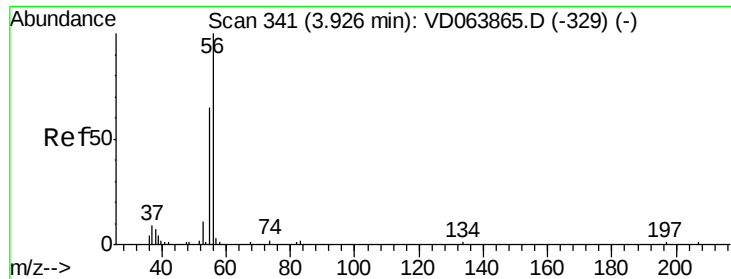


#12

1,1-Dichloroethene
 Concen: 2.853 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.5	135.6	203.4
98	70.1	49.2	73.8





#13

Acrolein

Concen: 17.313 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

ClientSampled :

MDL03

Tot Ion: 56 Resp: 2727

Ion Ratio Lower Upper

56 100

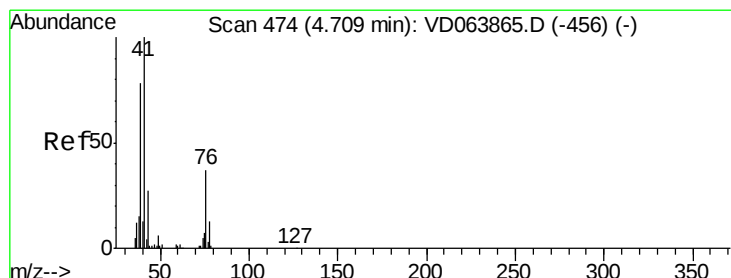
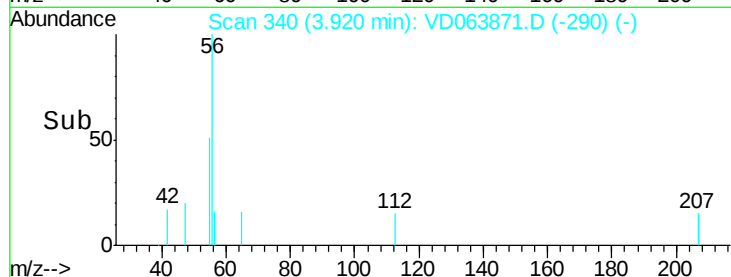
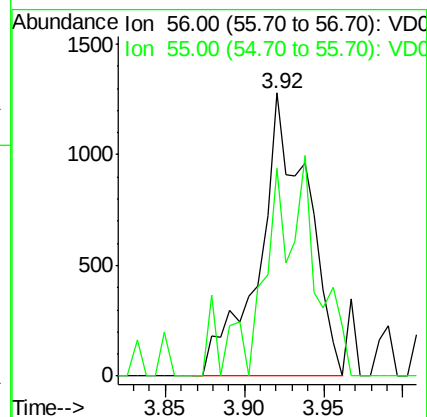
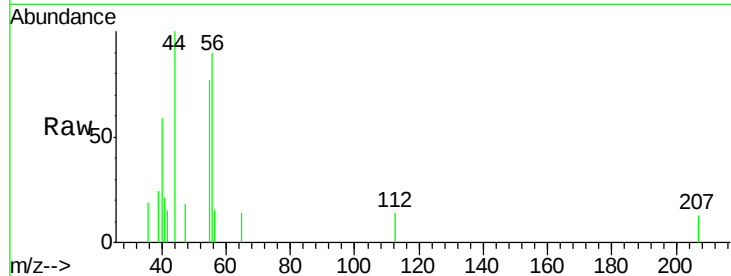
55 15.5 53.0 79.6#

Manual Integrations

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#14

Allyl chloride

Concen: 2.930 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

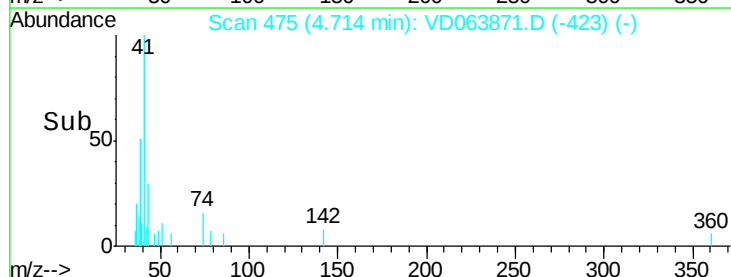
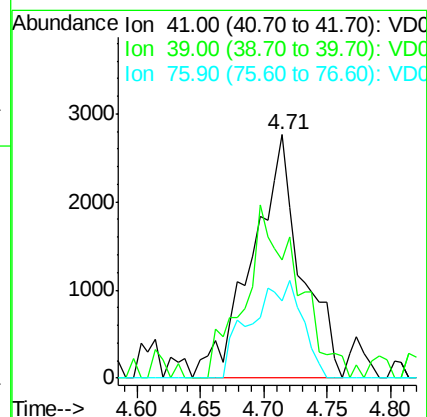
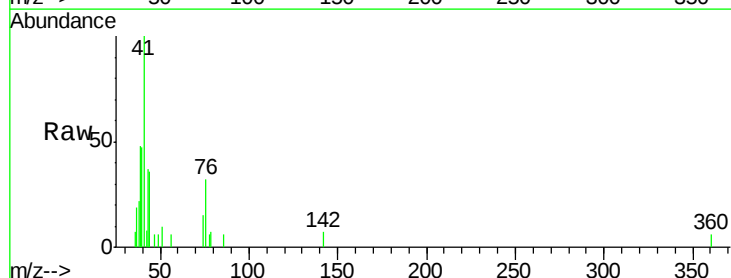
Tgt Ion: 41 Resp: 7396

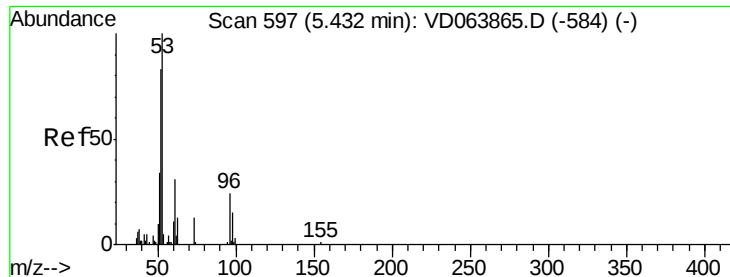
Ion Ratio Lower Upper

41 100

39 0.0 61.8 92.6#

76 42.5 31.3 46.9





#15

Acrylonitrile

Concen: 16.011 ug/l

RT: 5.44 min Scan# 599

Delta R.T. 0.01 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

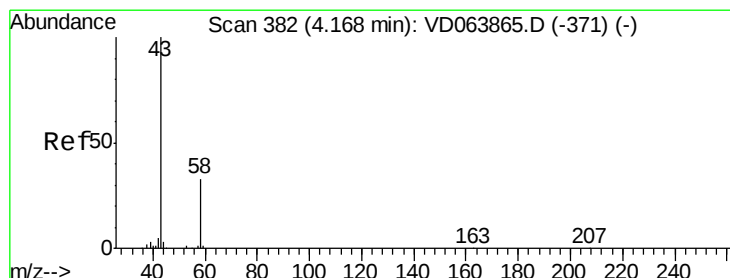
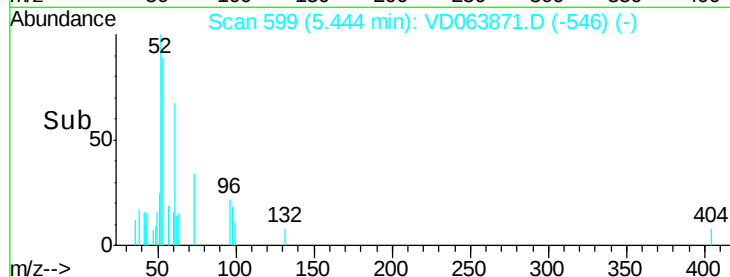
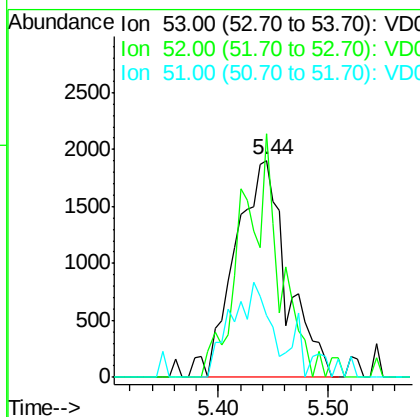
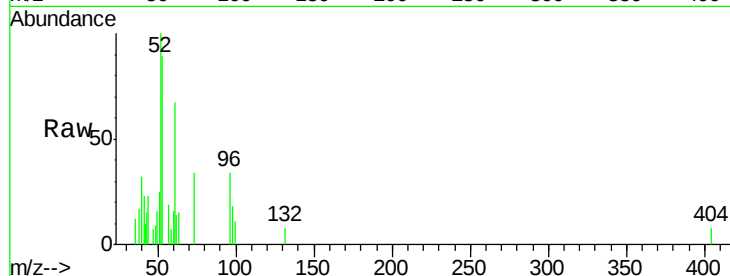
ClientSampled :

MDL03

Tot Ion:	53	Resp:	6220
Ion	Ratio	Lower	Upper
53	100		
52	0.0	67.3	100.9#
51	31.7	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 14.768 ug/l

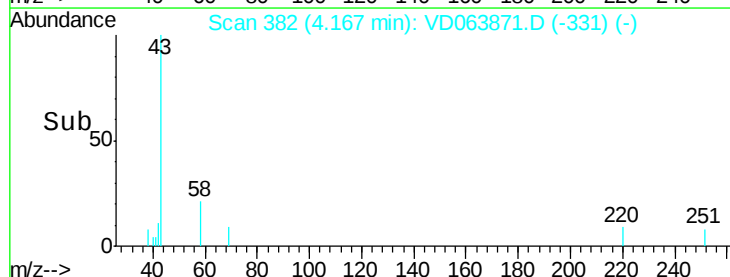
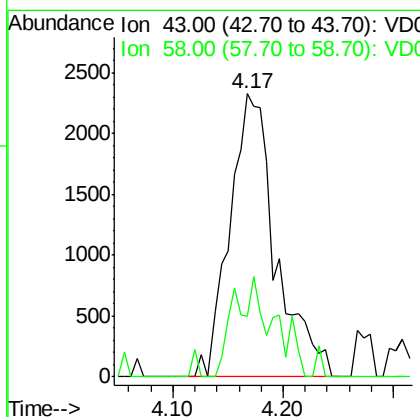
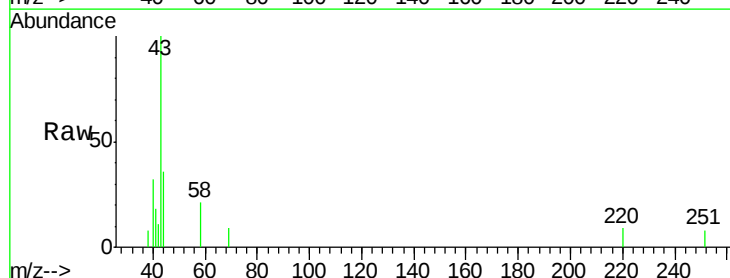
RT: 4.17 min Scan# 382

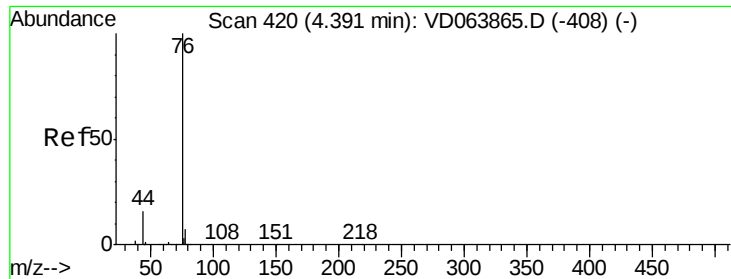
Delta R.T. -0.00 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Tgt Ion:	43	Resp:	6781
Ion	Ratio	Lower	Upper
43	100		
58	21.3	26.2	39.4#





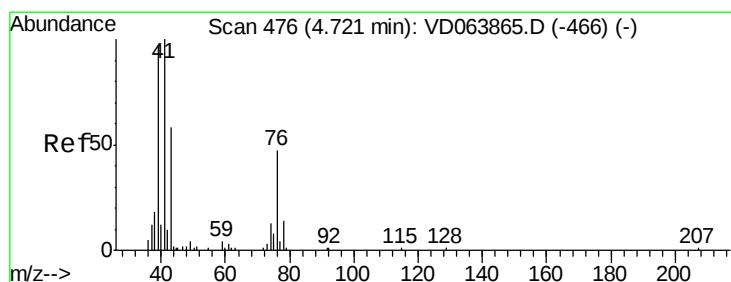
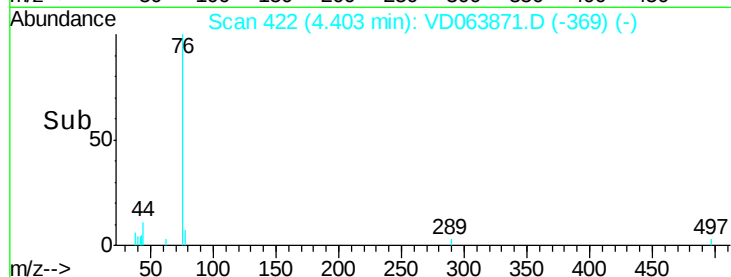
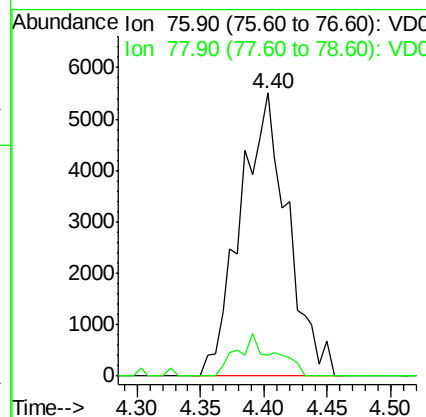
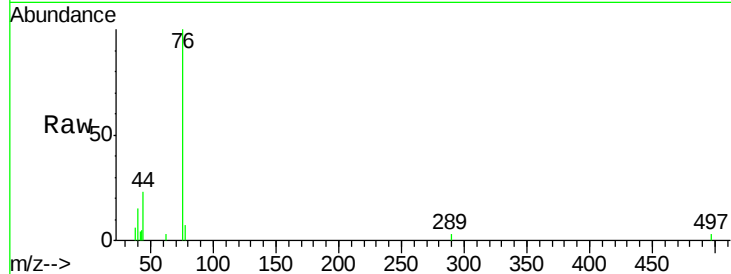
#17
Carbon Disulfide
Concen: 2.605 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.4	5.8	8.8

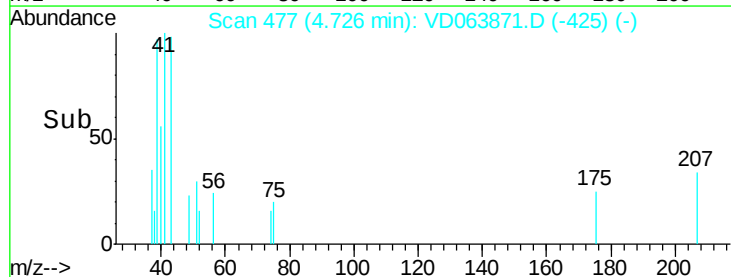
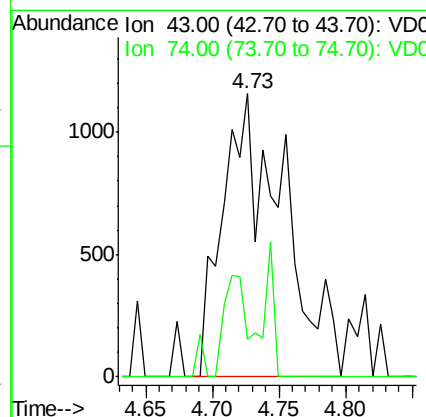
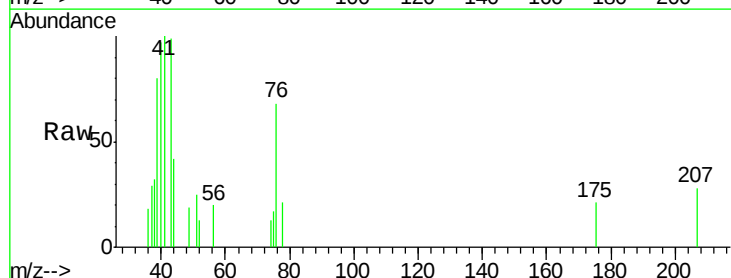
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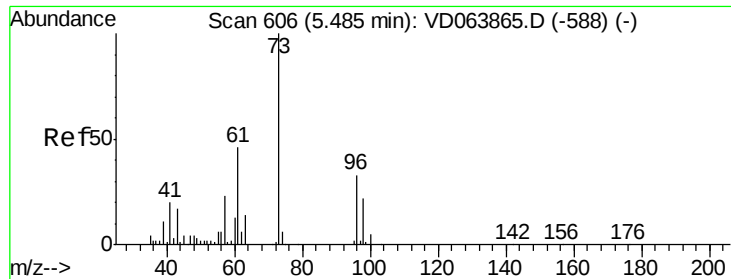
MMDadoda
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#18
Methyl Acetate
Concen: 4.091 ug/l m
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.6	20.8	31.2#





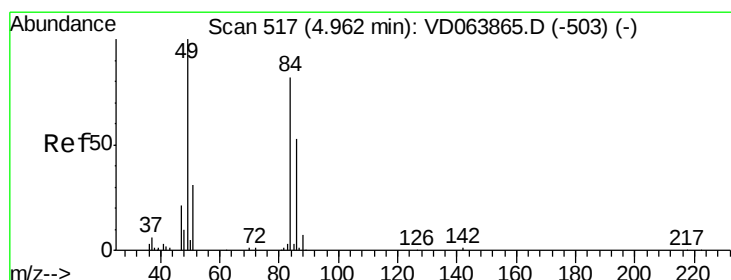
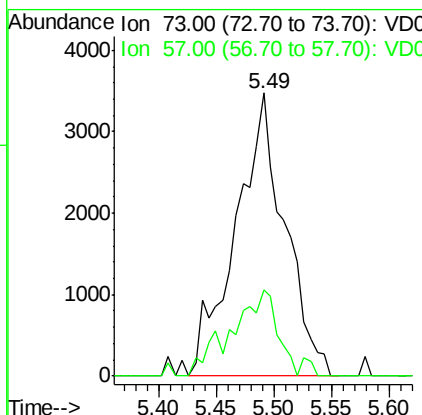
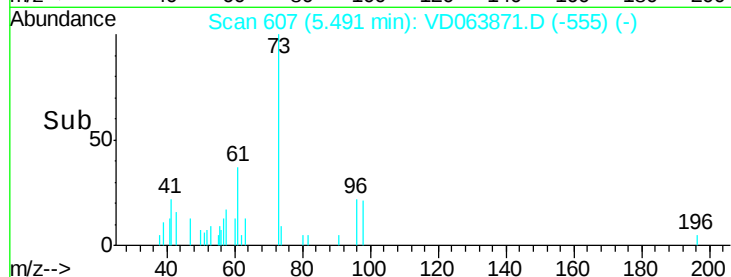
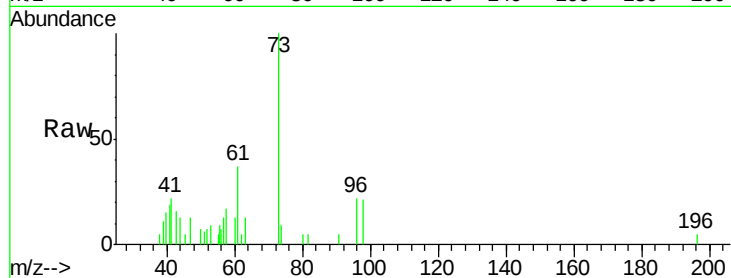
#19
Methvl tert-butvl Ether
Concen: 2.613 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

Tot Ion: 73 Resp: 10272
Ion Ratio Lower Upper
73 100
57 30.3 18.1 27.1#

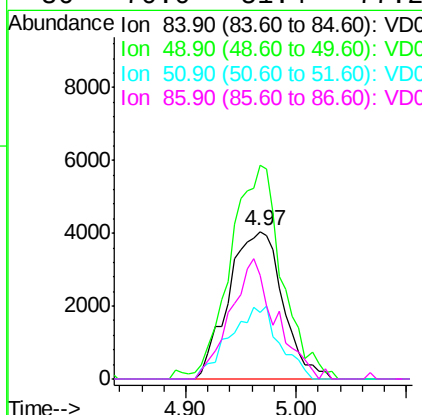
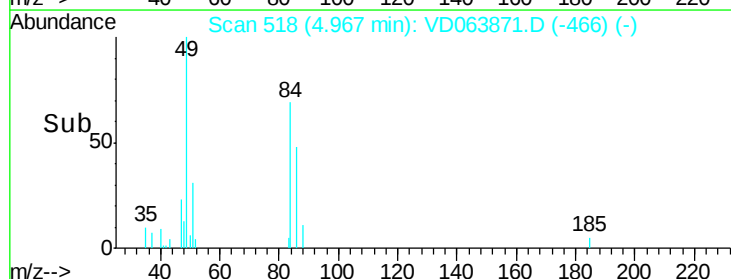
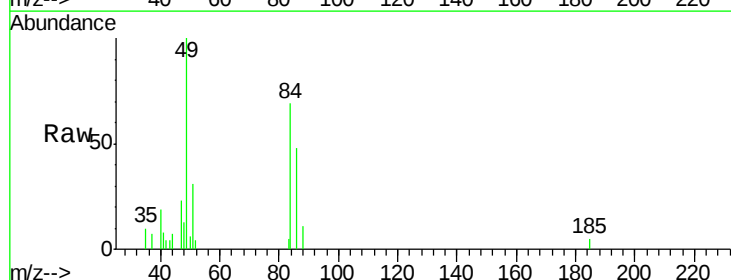
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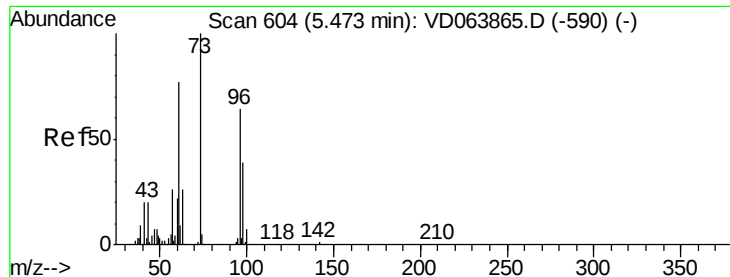
MMDadoda
10/4/2019 4:32:57 PM



#20
Methylene Chloride
Concen: 5.885 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion: 84 Resp: 13868
Ion Ratio Lower Upper
84 100
49 145.0 97.3 145.9
51 45.0 30.1 45.1
86 70.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 2.464 ug/l m

RT: 5.46 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

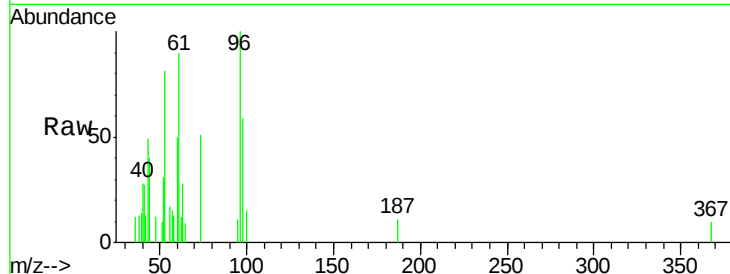
ClientSampleId :

MDL03

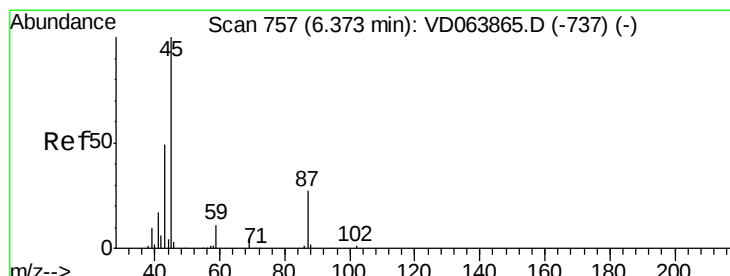
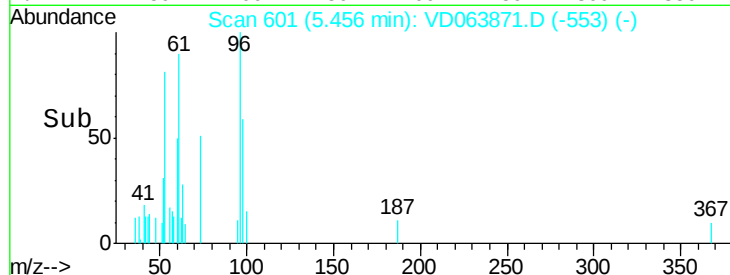
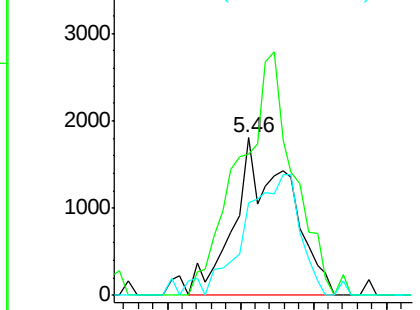
Tot Ion:	96	Resp:	4657
Ion	Ratio	Lower	Upper
96	100		
61	89.7	96.6	145.0#
98	58.7	48.7	73.1

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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: 2.894 ug/l

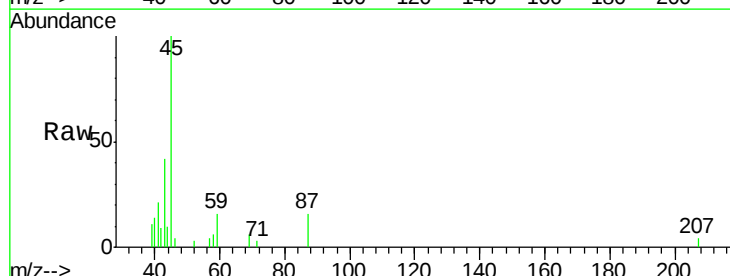
RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

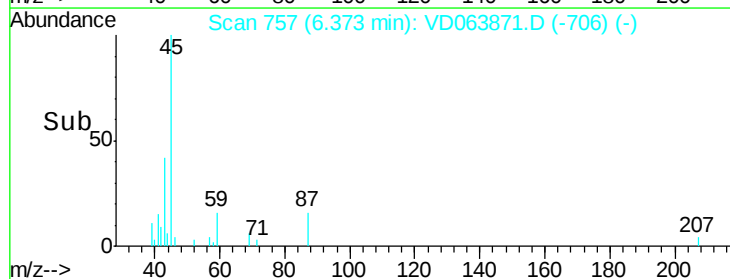
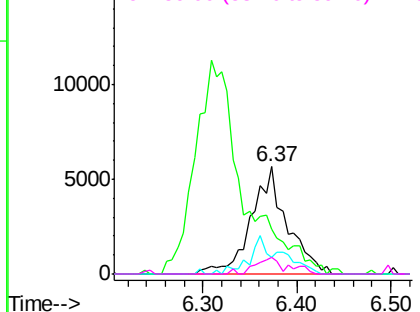
Lab File: VD063871.D

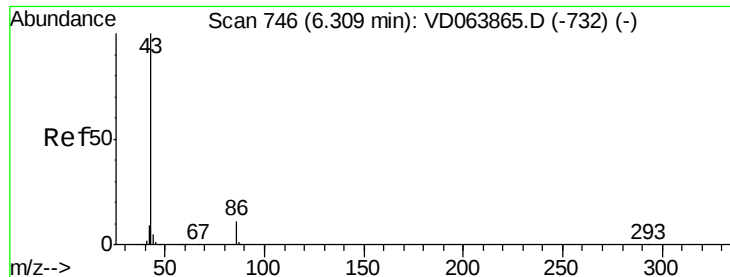
Acq: 02 Oct 2019 20:58

Tgt Ion:	45	Resp:	14917
Ion	Ratio	Lower	Upper
45	100		
43	37.4	41.2	61.8#
87	15.9	22.2	33.4#
59	15.9	9.2	13.8#



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: 13.042 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

MDL03

Tot Ion: 43 Resp: 39994

Ion Ratio Lower Upper

43 100

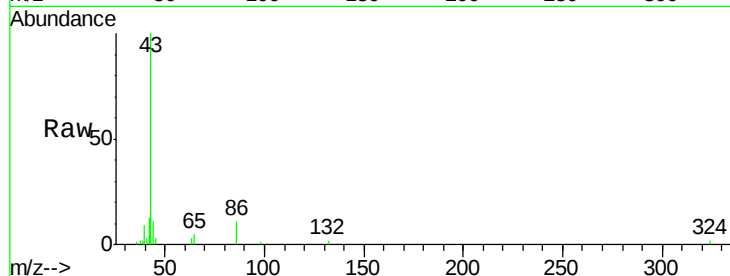
86 10.9 8.8 13.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

12000

10000

8000

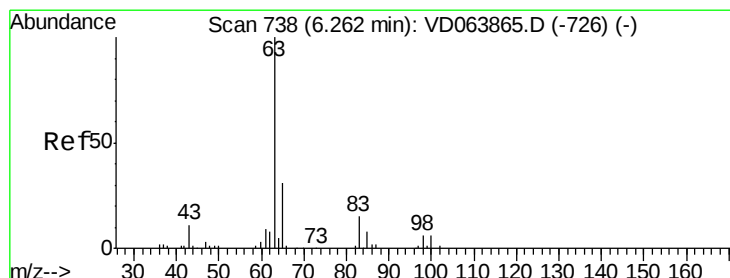
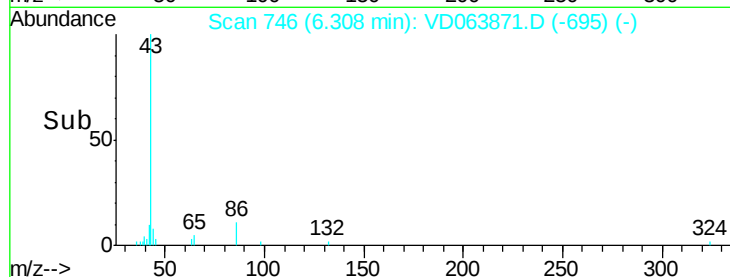
6000

4000

2000

0

Time-->



#24

1,1-Dichloroethane

Concen: 2.718 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

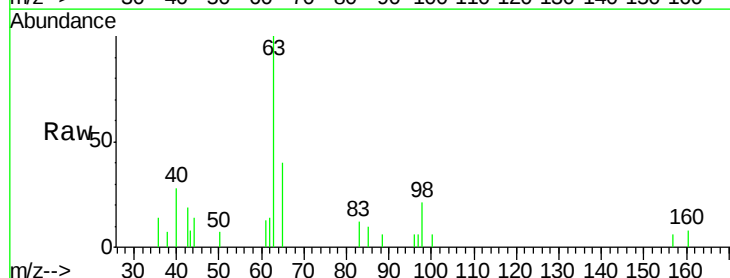
Tgt Ion: 63 Resp: 8630

Ion Ratio Lower Upper

63 100

98 20.6 3.1 9.4#

100 5.8 3.0 9.2



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

6.27

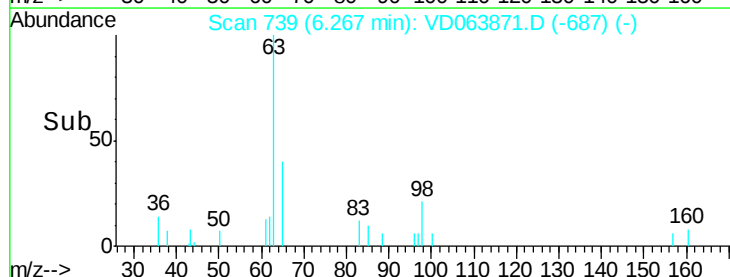
3000

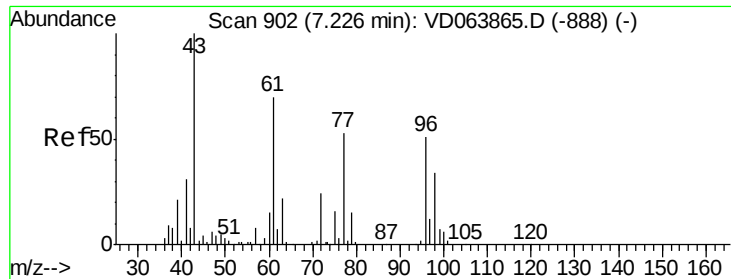
2000

1000

0

Time-->





#25

2-Butanone

Concen: 17.440 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

MDL03

Tot Ion: 43 Resp: 9490

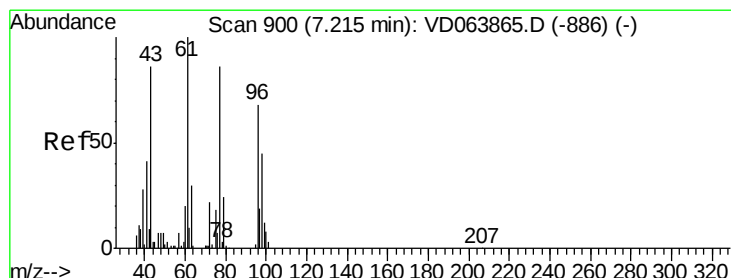
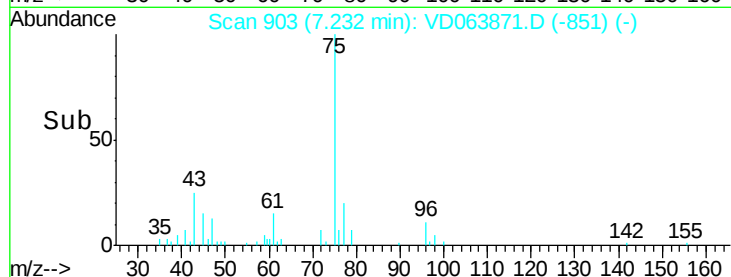
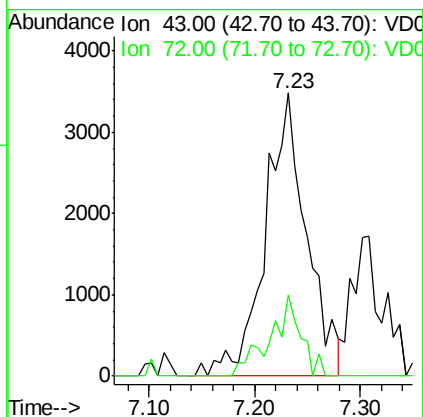
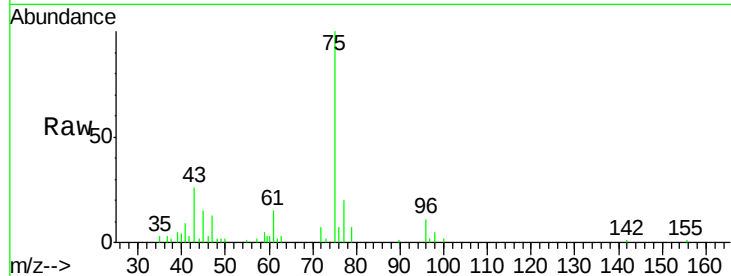
Ion Ratio Lower Upper

43 100

72 32.0 19.2 28.8#

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:32:57 PM



#26

2,2-Dichloropropane

Concen: 3.131 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063871.D

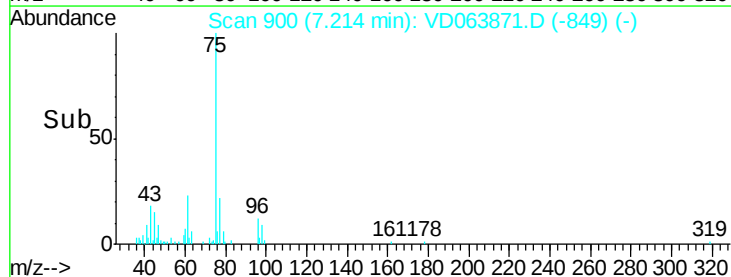
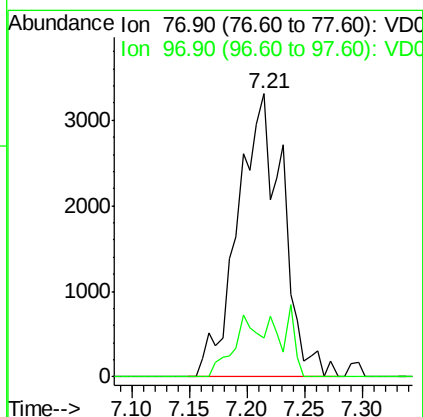
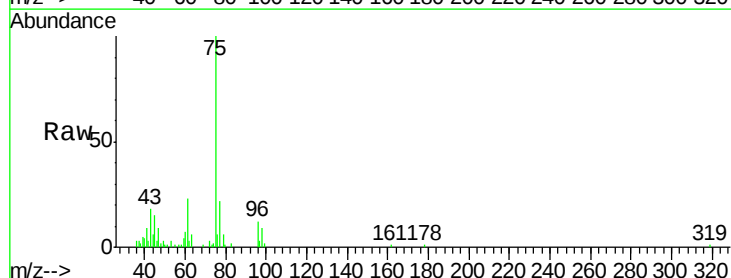
Acq: 02 Oct 2019 20:58

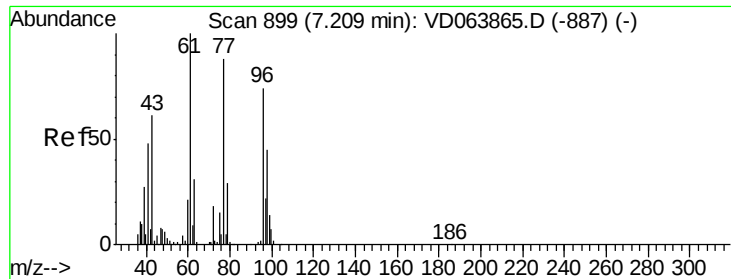
Tgt Ion: 77 Resp: 8994

Ion Ratio Lower Upper

77 100

97 12.7 11.4 34.1





#27

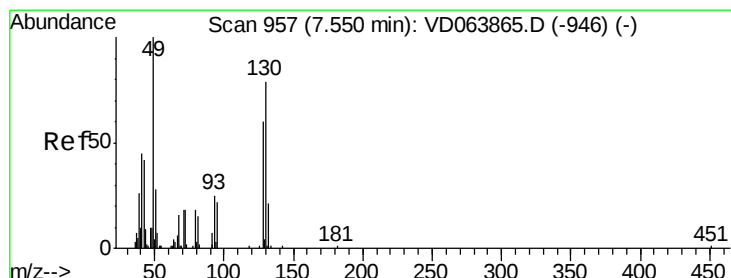
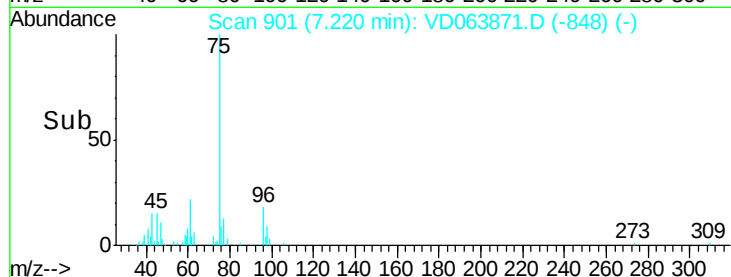
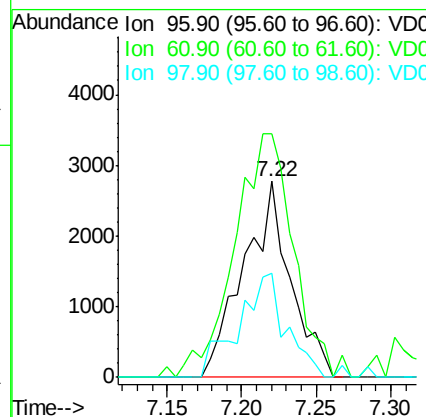
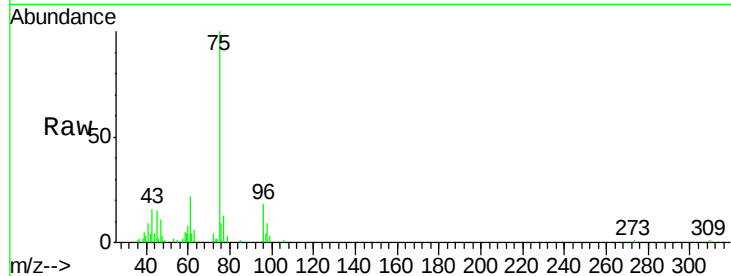
cis-1,2-Dichloroethene
 Concen: 2.828 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.1	0.0	280.0
98	53.7	0.0	130.4

Manual Integrations
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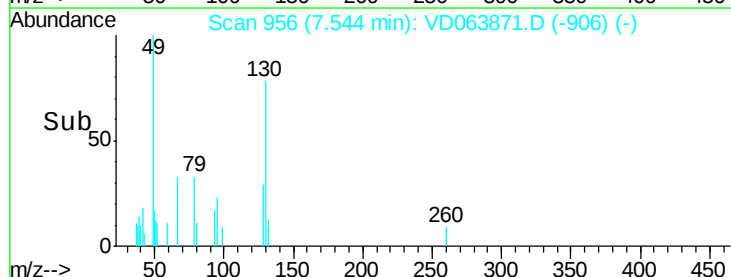
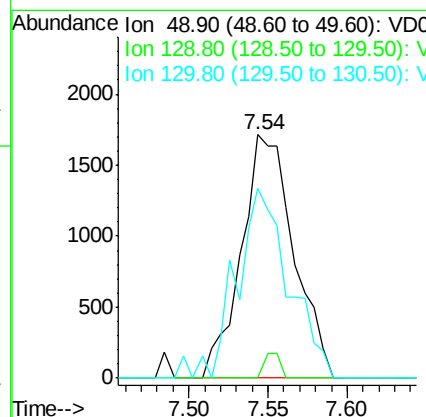
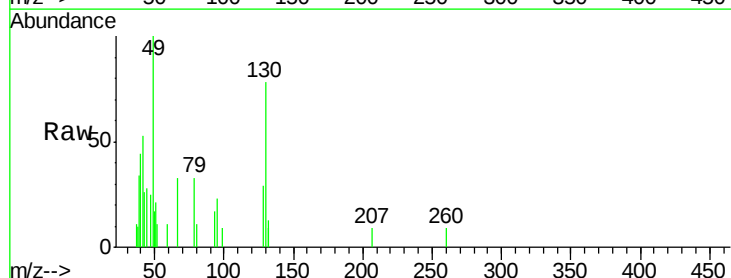
MMDadoda
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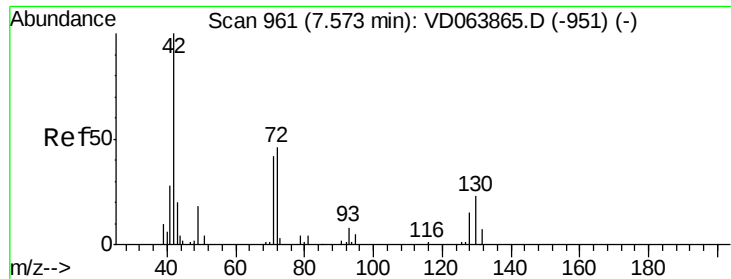


#28

Bromochloromethane
 Concen: 3.324 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.6
130	76.7	66.8	100.2





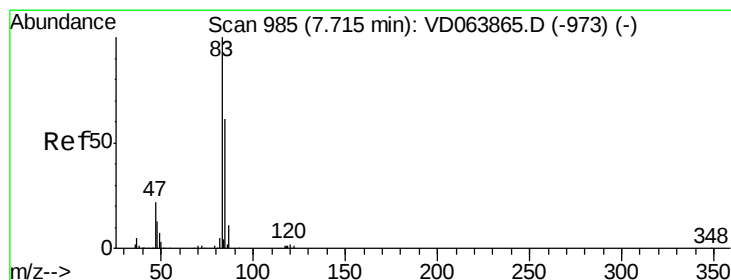
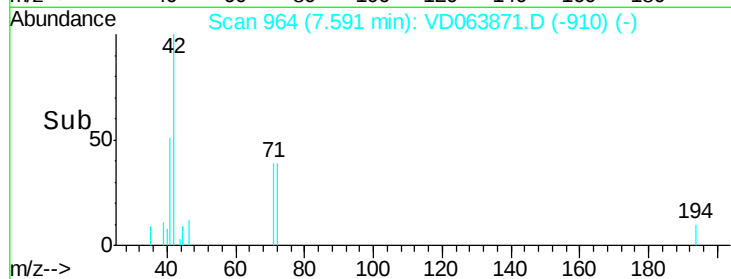
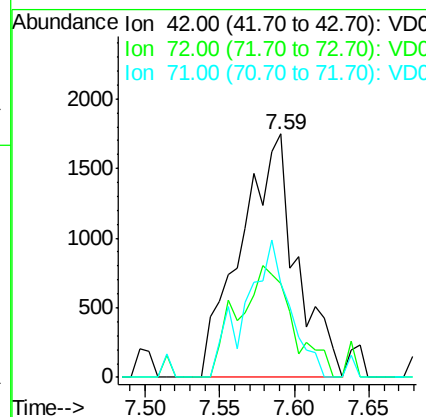
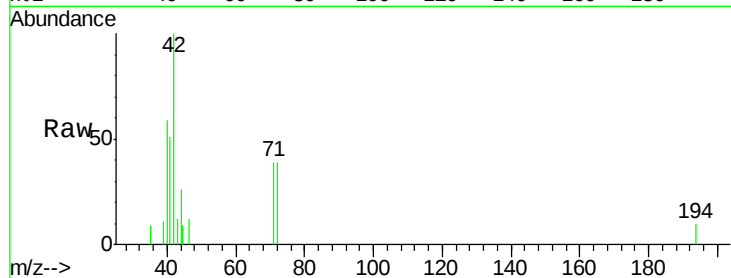
#29
Tetrahydrofuran
Concen: 14.225 ug/l
RT: 7.59 min Scan# 964
Delta R.T. 0.02 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	37.6	56.4
71	44.6	35.0	52.6

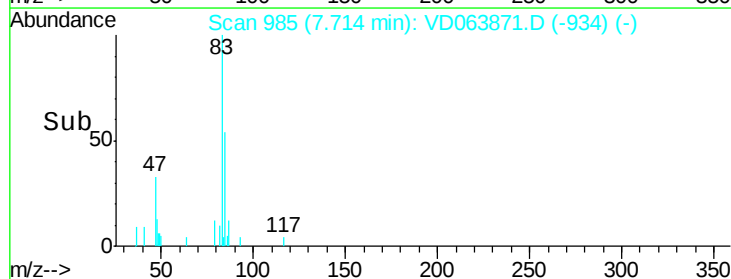
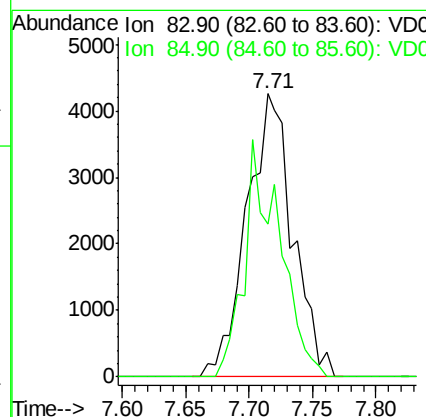
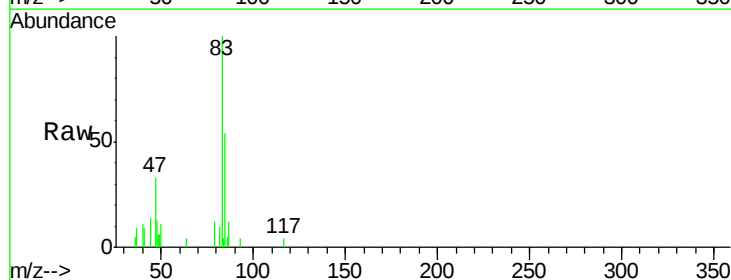
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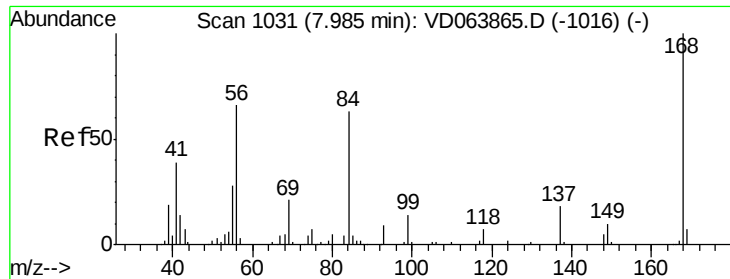
MMDadoda
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#30
Chloroform
Concen: 3.118 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.8	48.9	73.3





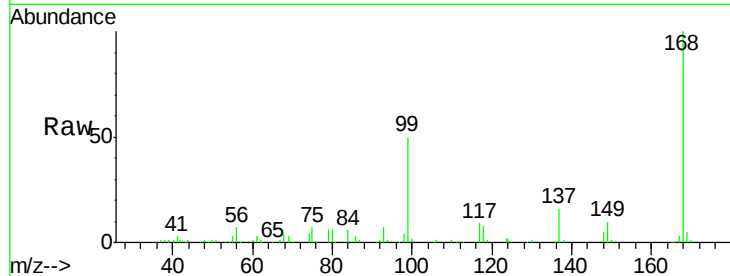
#31
Cyclohexane
Concen: 4.050 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

Tot Ion	56	Resp	12059
Ion Ratio	100	Lower	Upper
56	100		
69	45.9	25.0	37.4#
84	77.7	76.3	114.5

Manual Integrations
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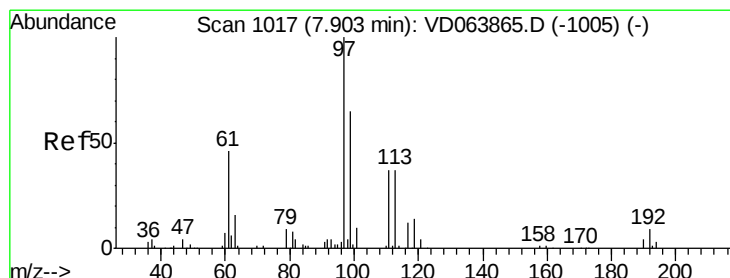
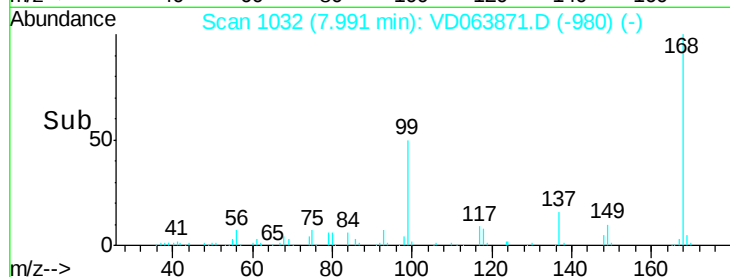
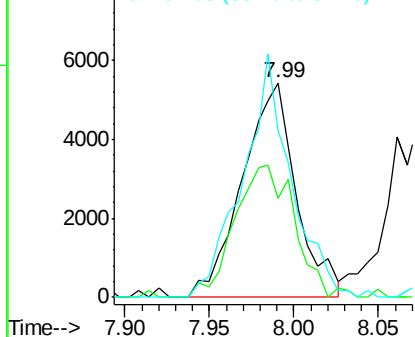


Abundance

Ion 56.00 (55.70 to 56.70): VDC

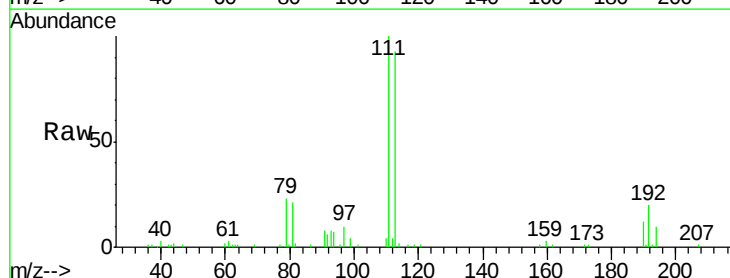
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32
1,1,1-Trichloroethane
Concen: 2.622 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion	97	Resp	7757
Ion Ratio	100	Lower	Upper
97	100		
99	0.0	52.4	78.6#
61	0.0	33.8	50.8#

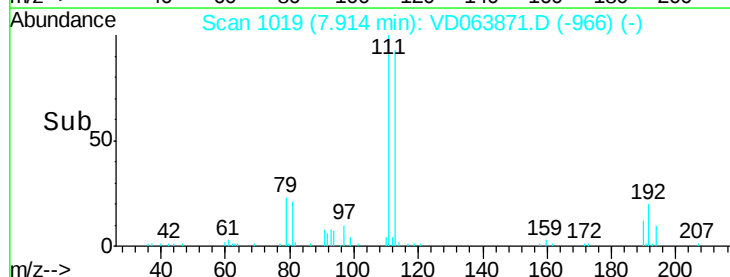
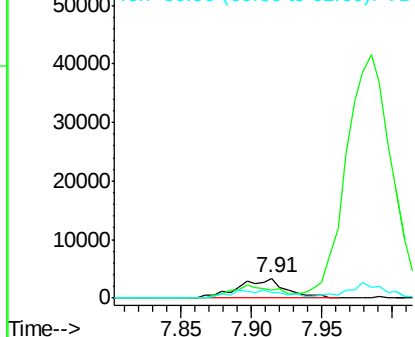


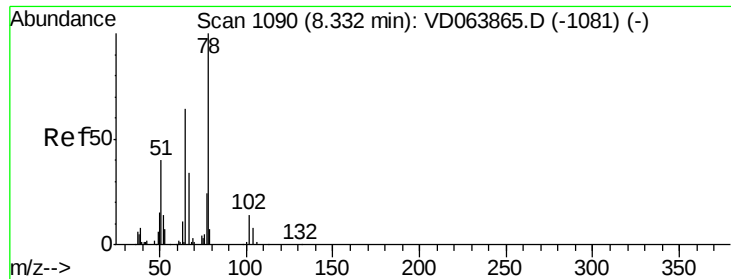
Abundance

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: 47.714 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

MDL03

Tot Ion: 65 Resp: 84148

Ion Ratio Lower Upper

65 100

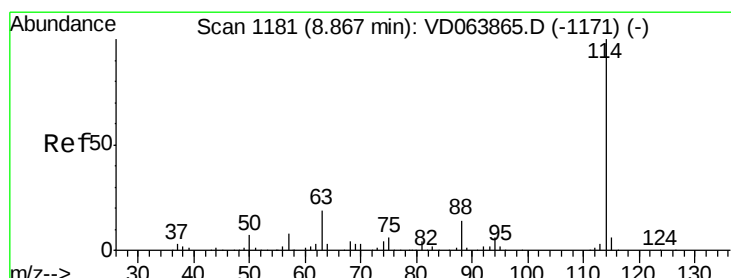
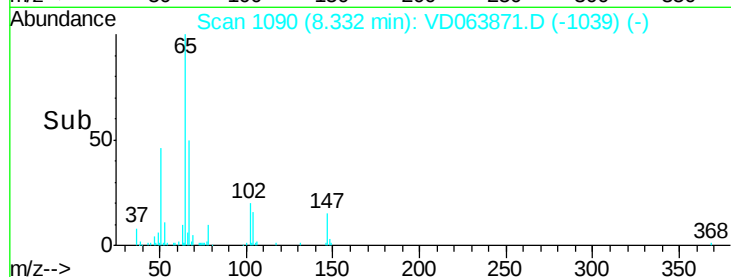
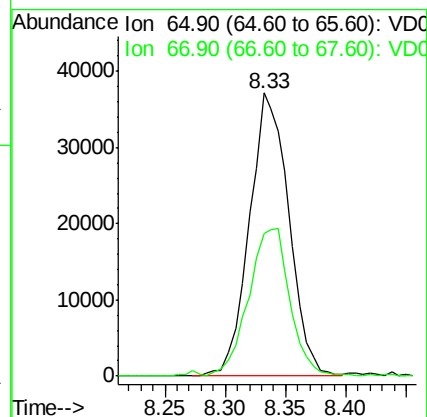
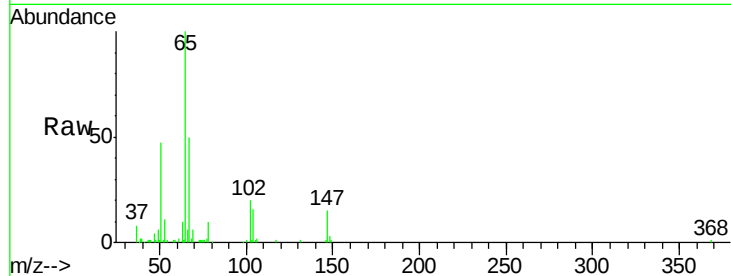
67 54.9 0.0 106.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

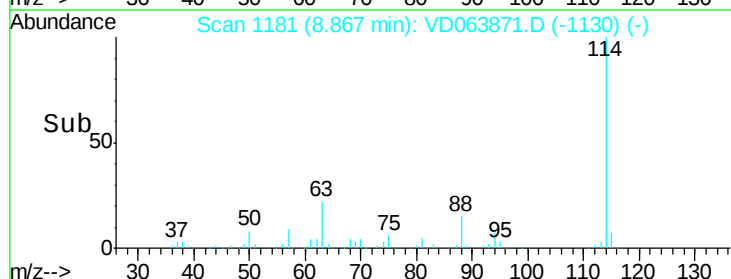
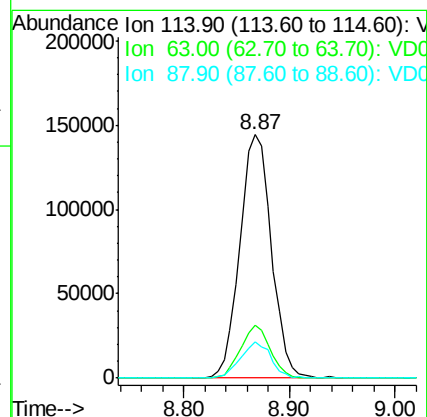
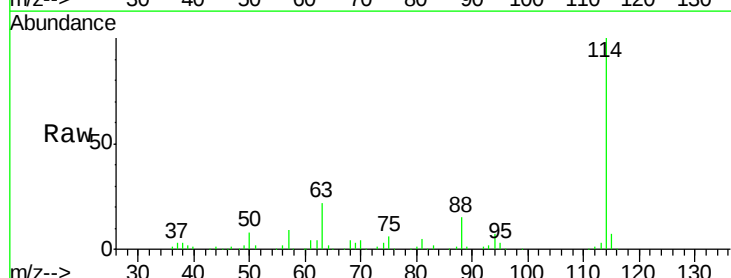
Tgt Ion: 114 Resp: 298518

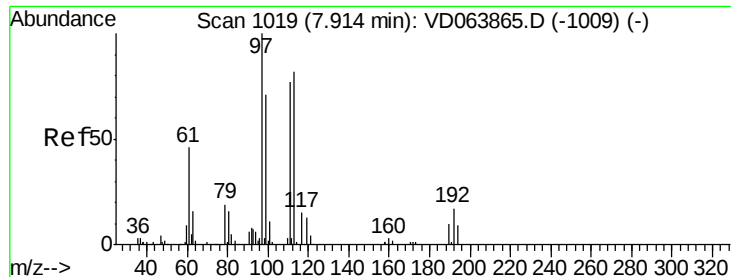
Ion Ratio Lower Upper

114 100

63 21.5 0.0 38.4

88 15.0 0.0 27.4





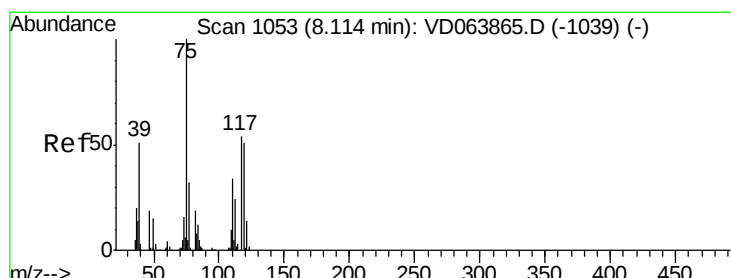
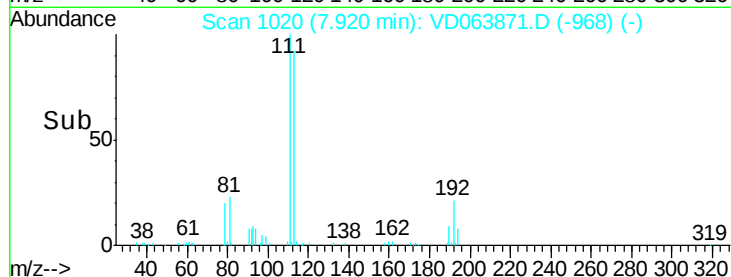
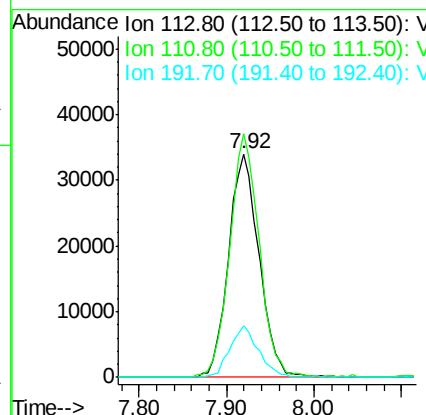
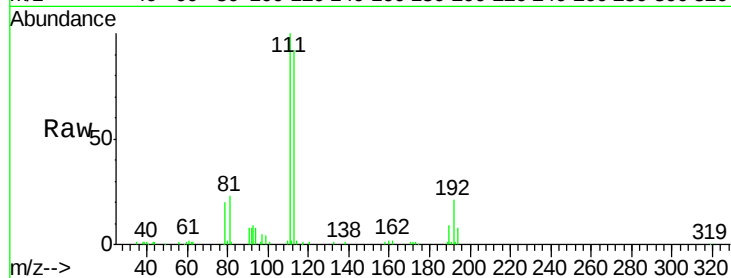
#35
 Dibromofluoromethane
 Concen: 44.445 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	82.6	123.8
192	21.7	17.1	25.7

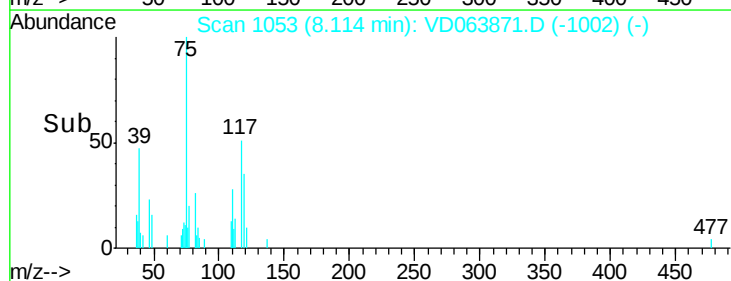
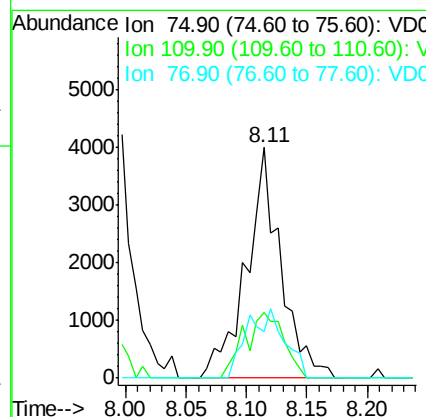
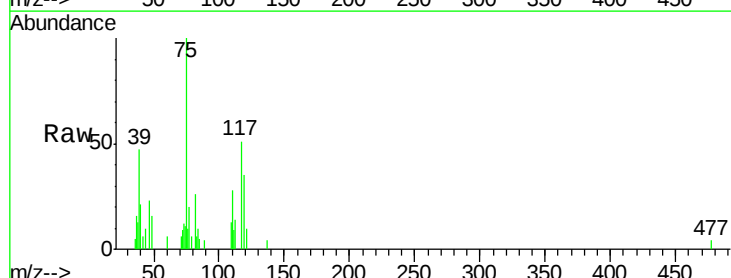
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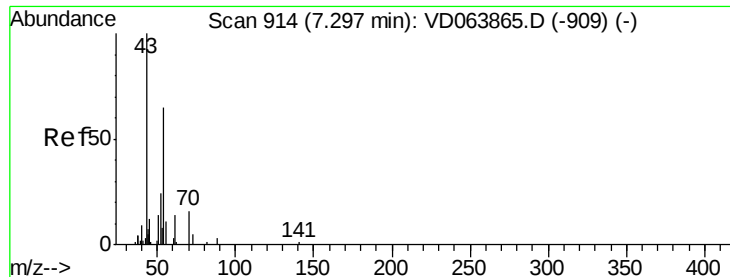
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 2.907 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.4	17.4	52.3
77	17.1	25.4	38.0





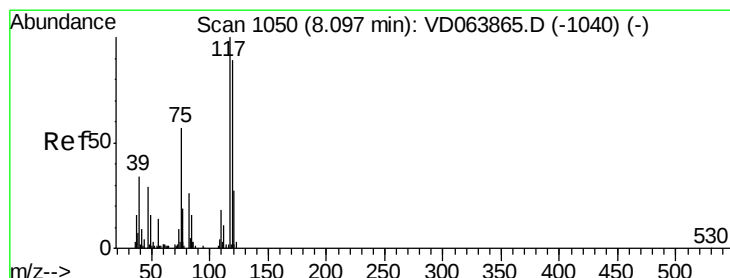
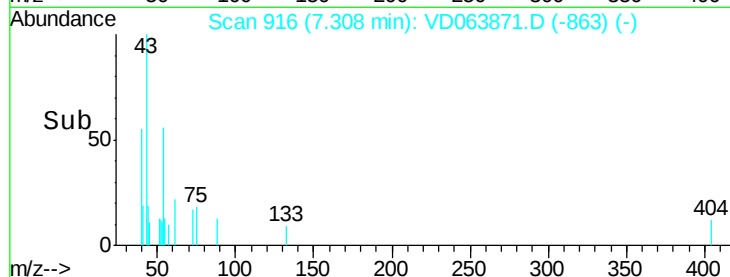
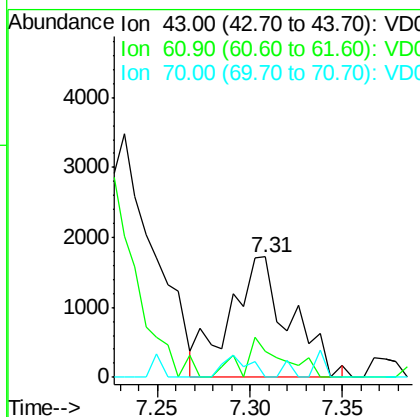
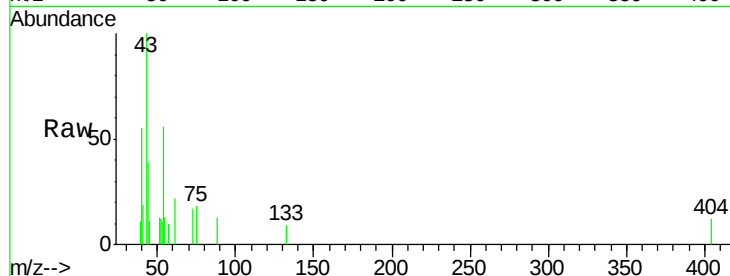
#37
Ethyl Acetate
Concen: 3.136 ug/l m
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	11.5	17.3#
70	2.3	8.2	12.4#

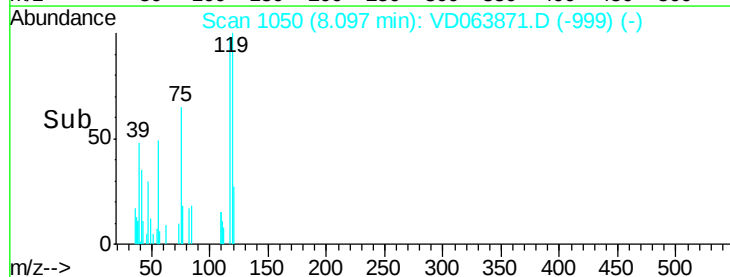
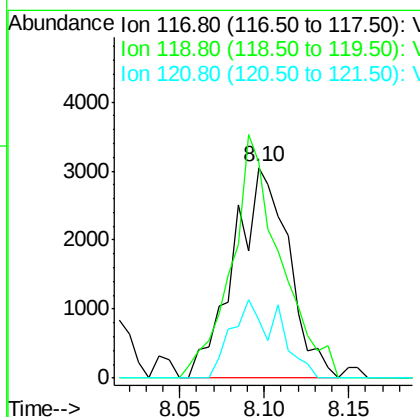
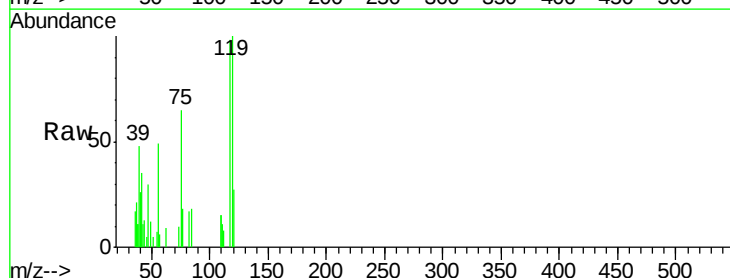
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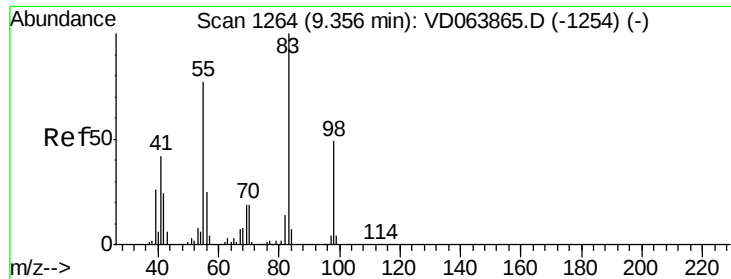
MMDadoda
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#38
Carbon Tetrachloride
Concen: 2.496 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.1	70.8	106.2
121	27.8	21.4	32.0





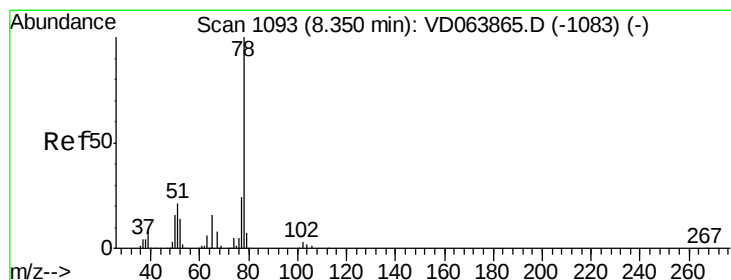
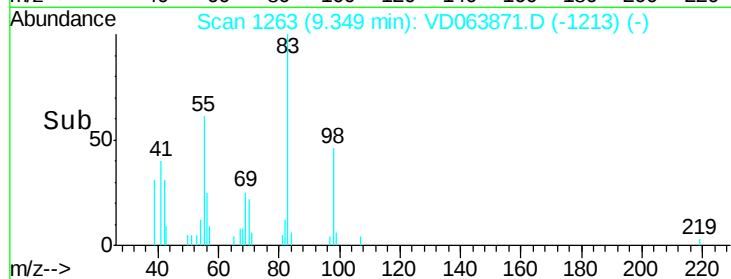
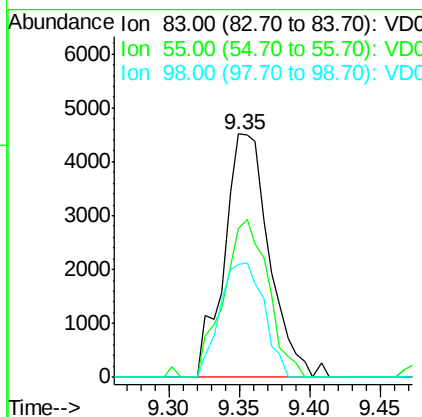
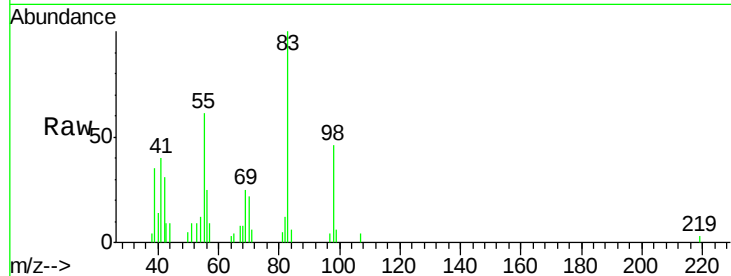
#39
Methvlcvclohexane
Concen: 2.998 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
83	100		
55	60.9	61.3	91.9#
98	46.2	39.3	58.9

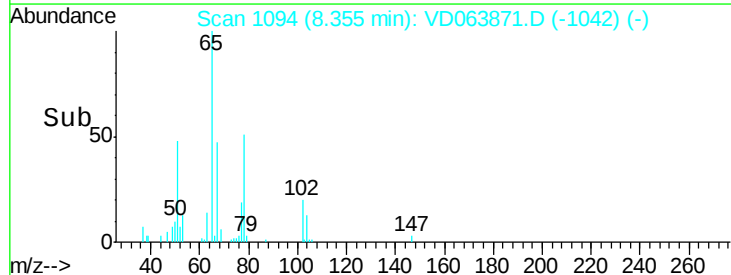
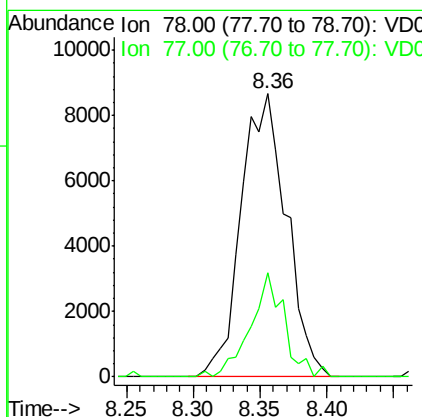
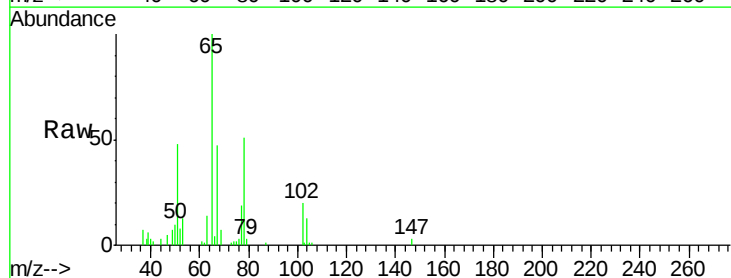
Manual Integrations
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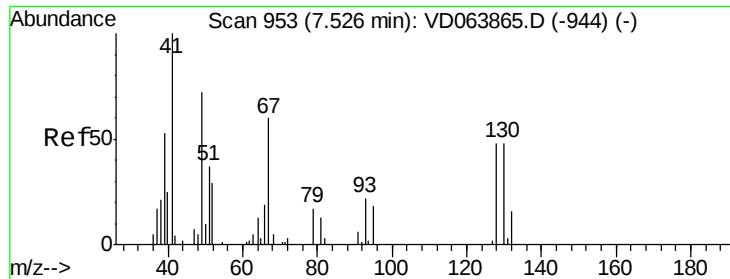
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#40
Benzene
Concen: 2.604 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	36.6	19.0	28.6#





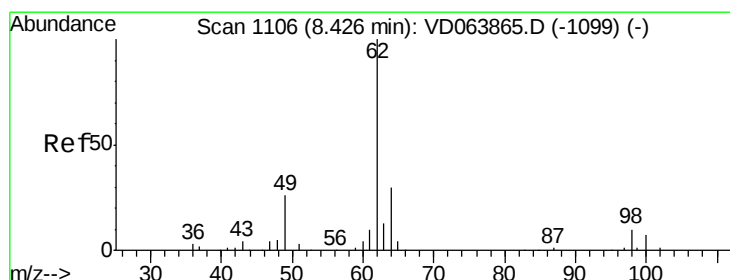
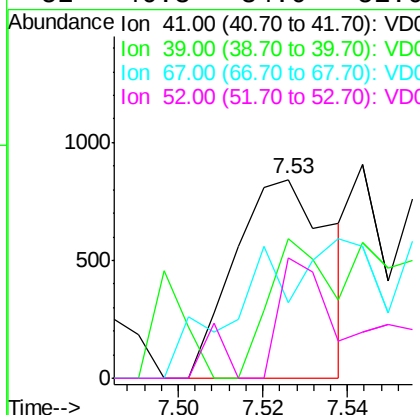
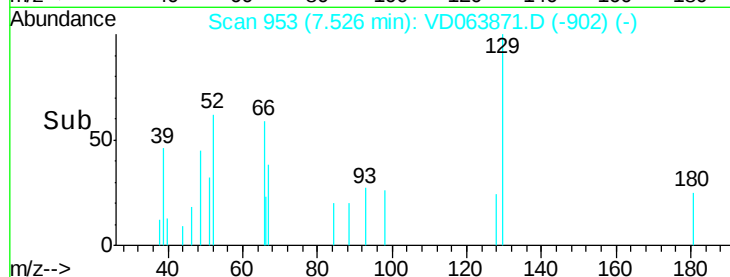
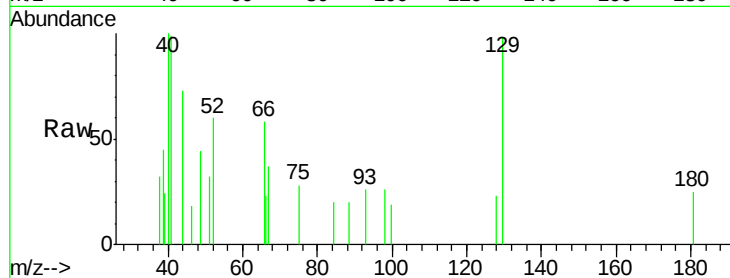
#41
Methacrylonitrile
Concen: 2.108 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.6	52.6	78.8#
67	0.0	74.2	111.2#
52	46.3	34.0	51.0

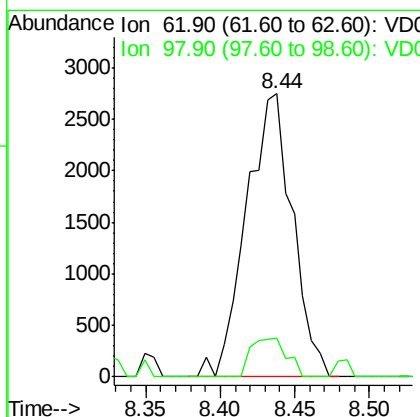
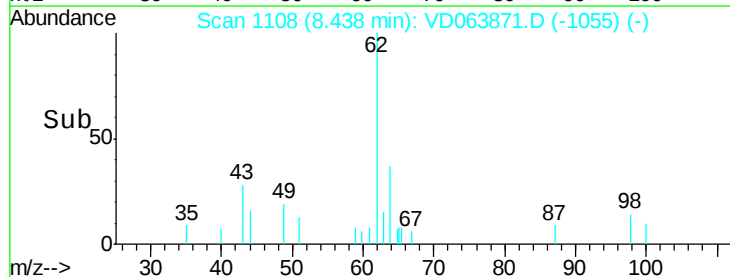
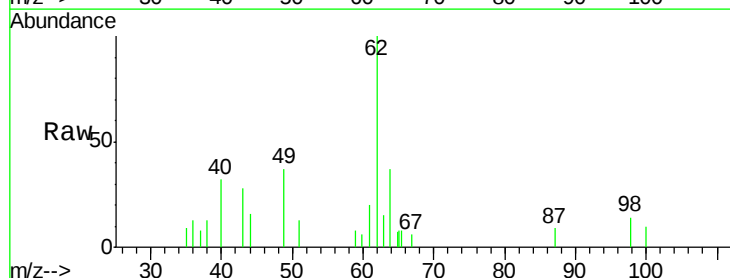
Manual Integrations
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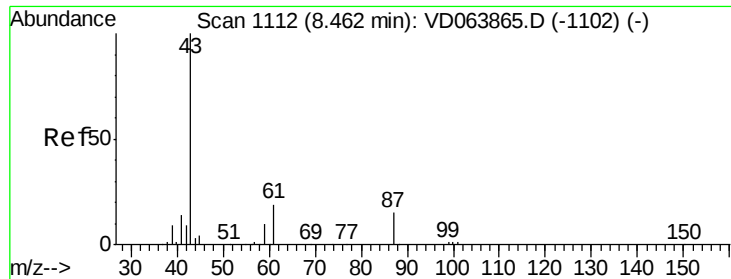
MMDadoda
10/4/2019 4:32:57 PM



#42
1,2-Dichloroethane
Concen: 2.603 ug/l
RT: 8.44 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.0





#43

Isopropyl Acetate

Concen: 2.900 ug/l

RT: 8.47 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

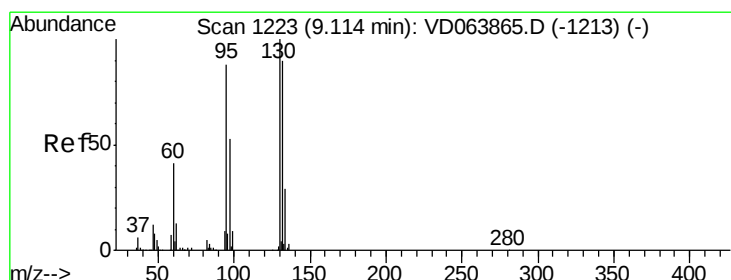
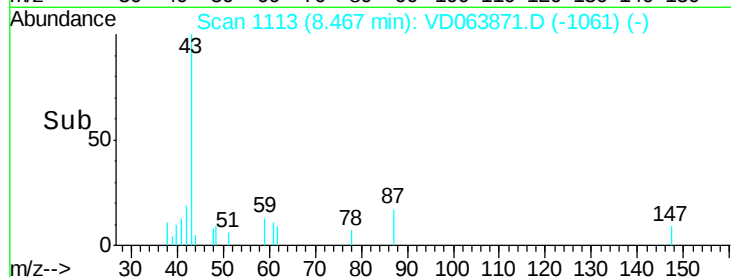
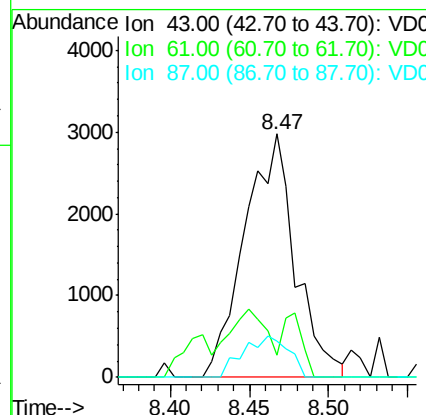
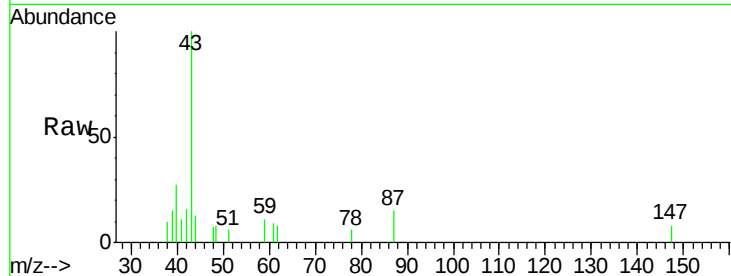
ClientSampleId :

MDL03

Tot Ion:	43	Resp:	6637
Ion	Ratio	Lower	Upper
43	100		
61	9.8	25.7	38.5#
87	15.2	11.6	17.4

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10/4/2019 4:32:57 PM



#44

Trichloroethene

Concen: 2.861 ug/l

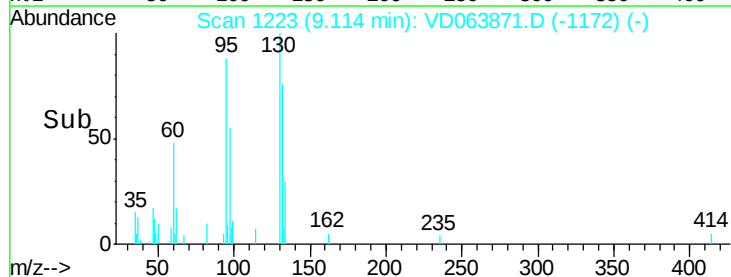
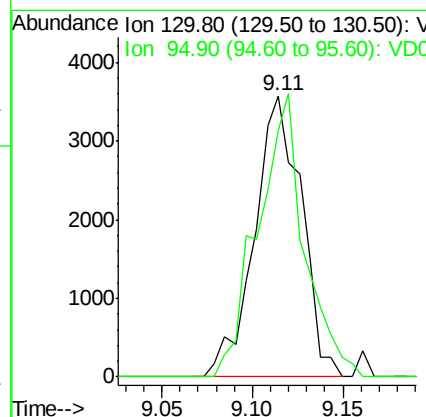
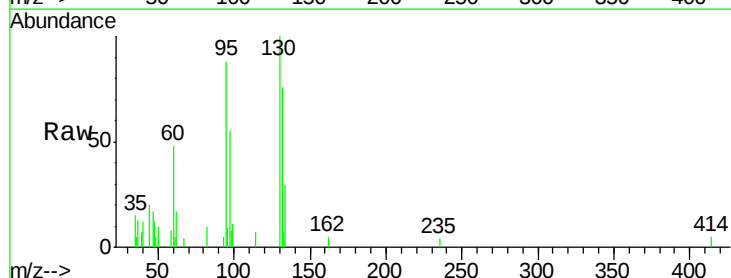
RT: 9.11 min Scan# 1223

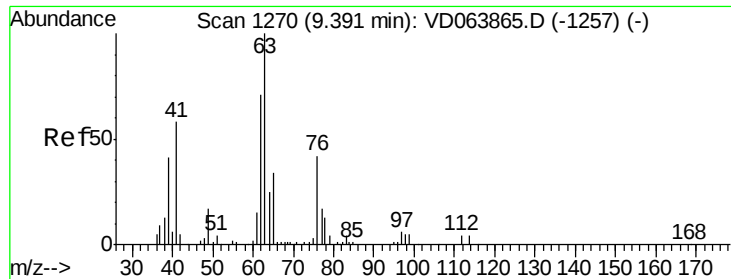
Delta R.T. -0.00 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Tgt Ion:	130	Resp:	6453
Ion	Ratio	Lower	Upper
130	100		
95	87.5	0.0	175.6





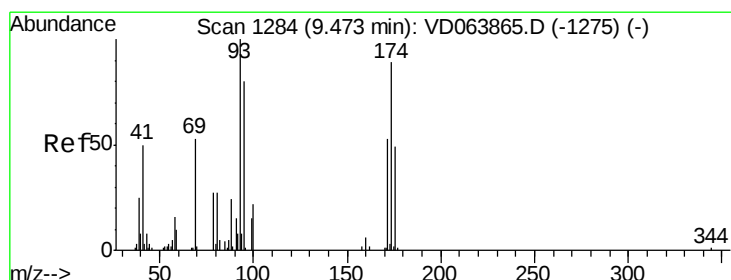
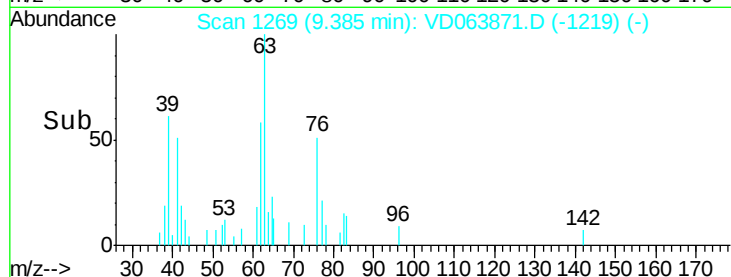
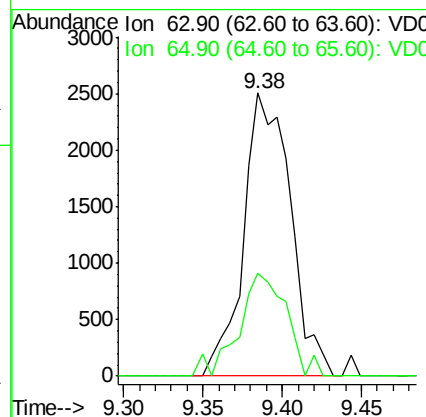
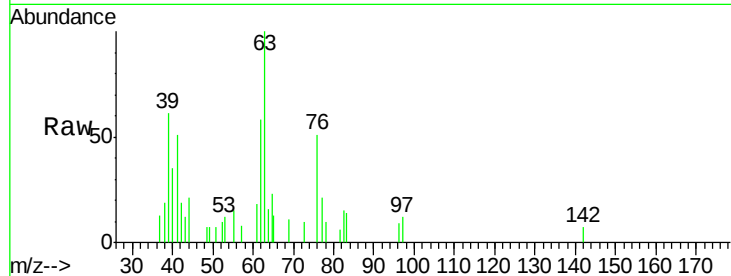
#45
 1,2-Dichloropropane
 Concen: 2.696 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL03

Tot Ion: 63 Resp: 5162
 Ion Ratio Lower Upper
 63 100
 65 36.3 27.3 40.9

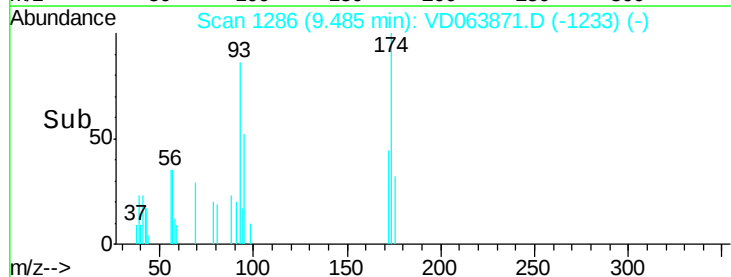
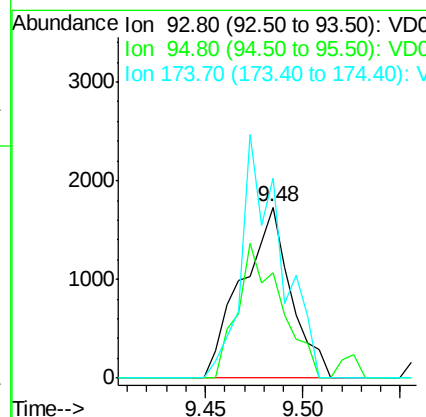
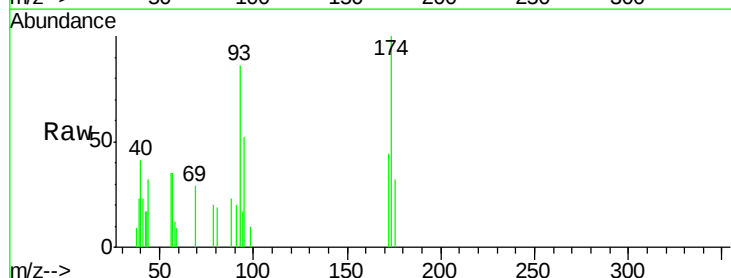
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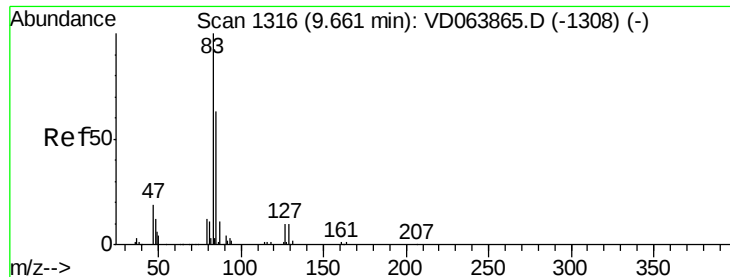
MMDadoda
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#46
 Dibromomethane
 Concen: 2.769 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Tgt Ion: 93 Resp: 3019
 Ion Ratio Lower Upper
 93 100
 95 69.4 66.0 99.0
 174 113.7 83.4 125.0





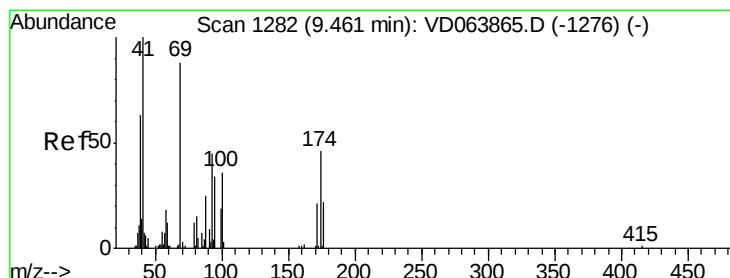
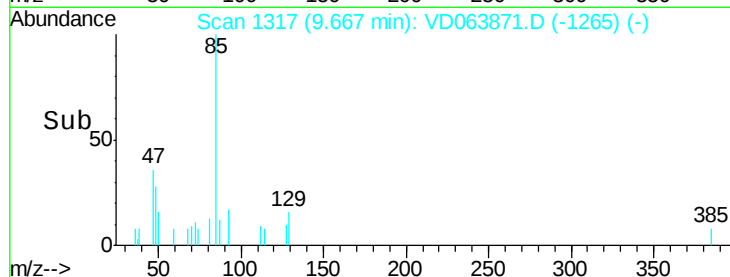
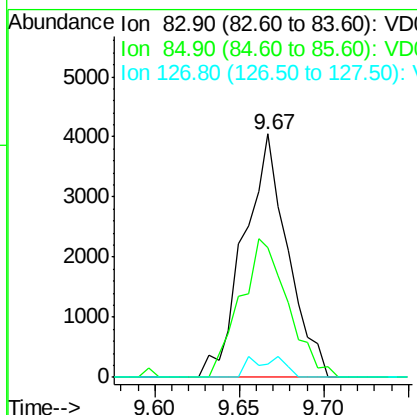
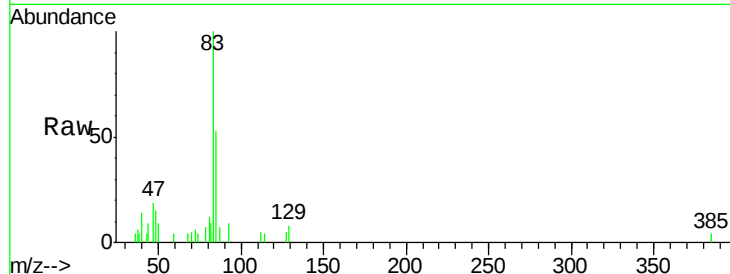
#47
Bromodichloromethane
Concen: 2.605 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampled :
MDL03

Tot Ion	83	Resp	7312
Ion Ratio	100	Lower	Upper
83	100		
85	53.3	50.2	75.2
127	5.3	7.6	11.4

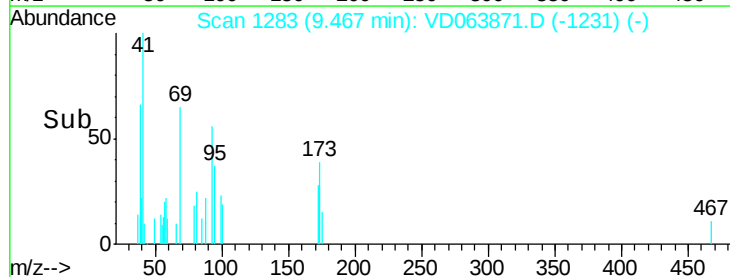
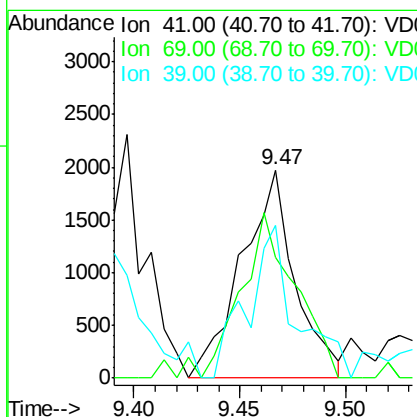
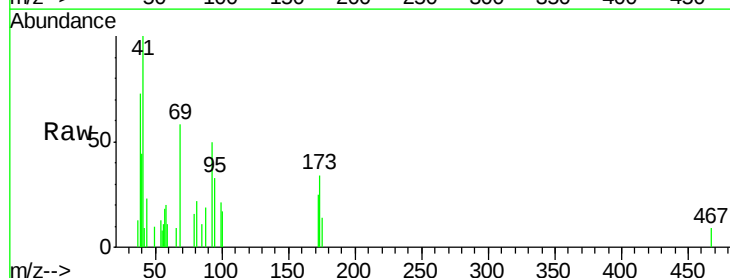
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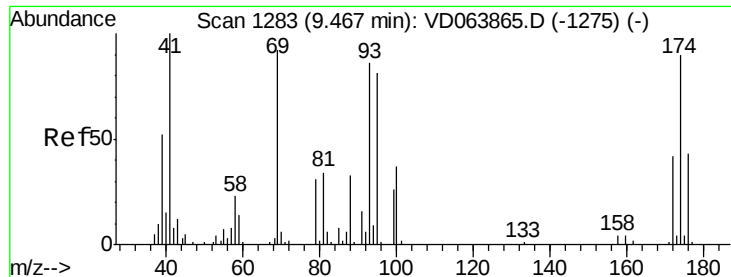
MMDadoda
10/4/2019 4:32:57 PM



#48
Methyl methacrylate
Concen: 3.164 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion	41	Resp	3470
Ion Ratio	100	Lower	Upper
41	100		
69	82.4	75.1	112.7
39	66.8	50.2	75.2





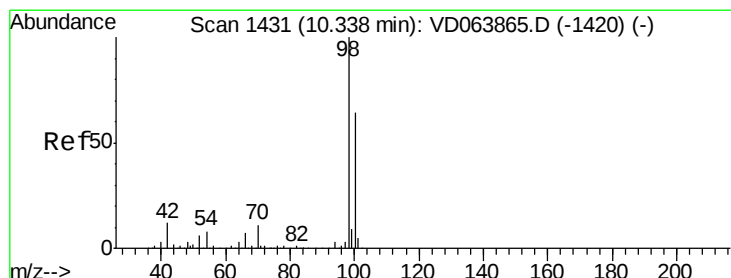
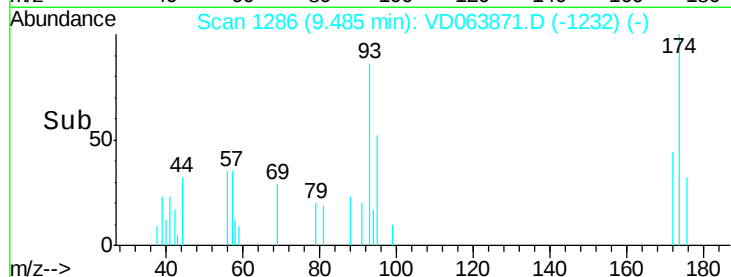
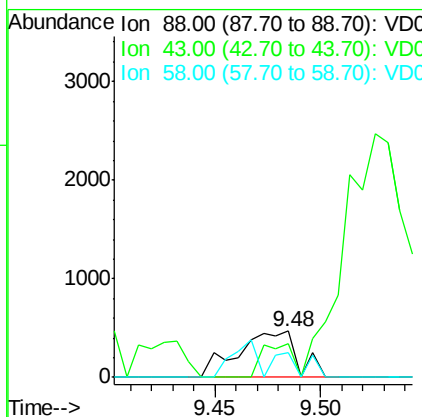
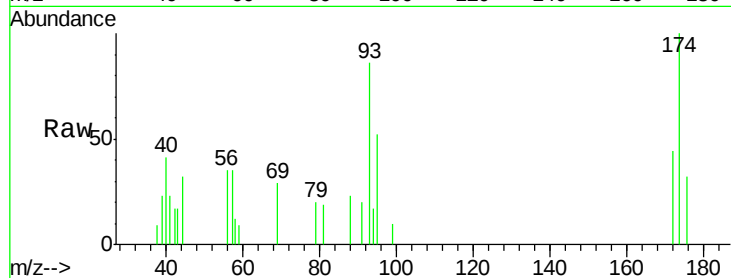
#49
1,4-Dioxane
Concen: 61.547 ug/l
RT: 9.48 min Scan# 1286
Delta R.T. 0.02 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	27.6	41.4
58	32.3	54.1	81.1#

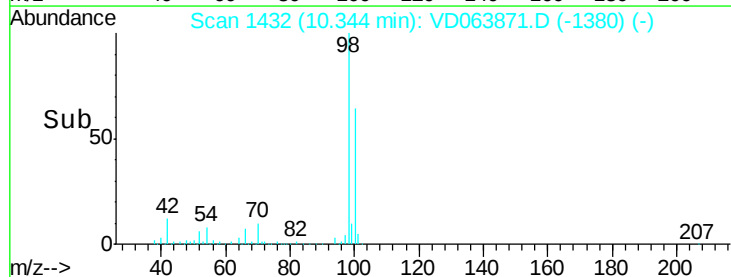
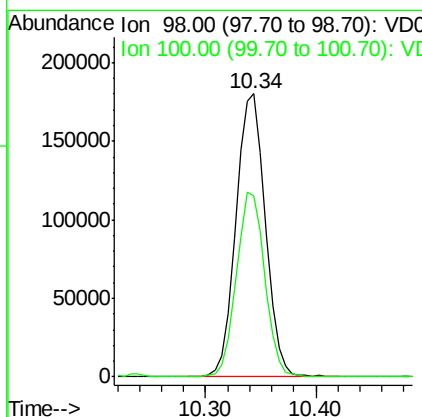
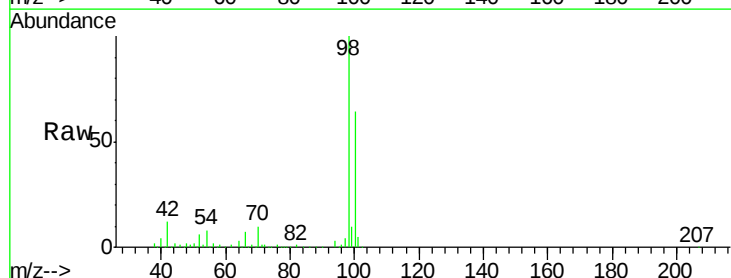
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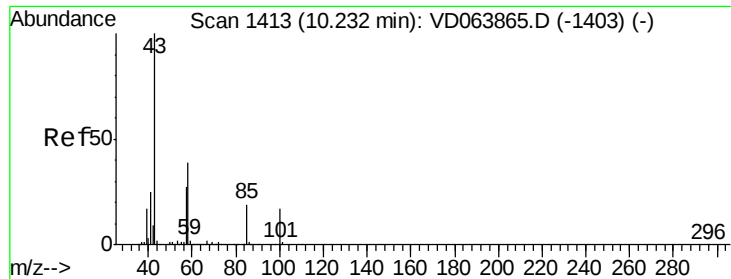
MMDadoda
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#50
Toluene-d8
Concen: 45.586 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 15.181 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

MDL03

Tot Ion: 43 Resp: 18022

Ion Ratio Lower Upper

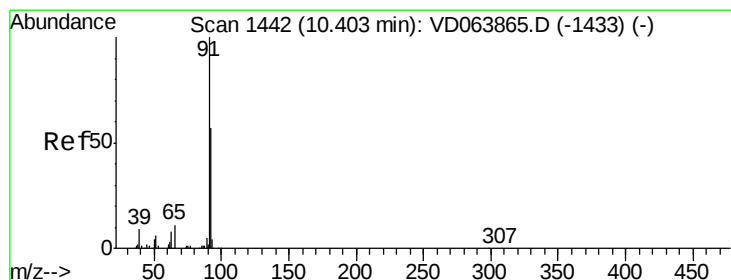
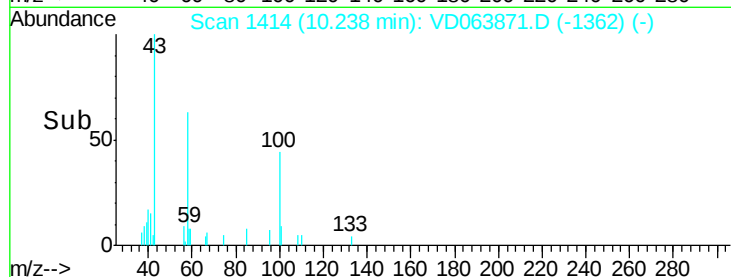
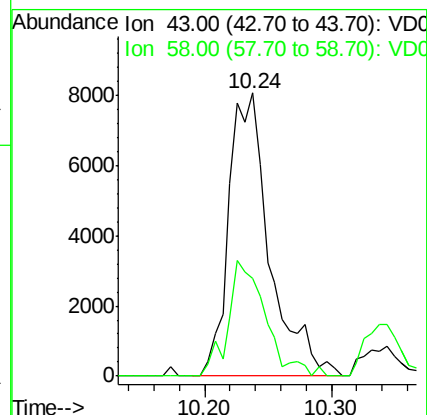
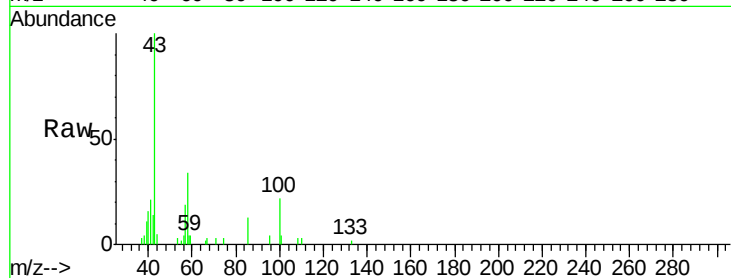
43 100

58 37.3 33.0 49.4

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#52

Toluene

Concen: 2.684 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063871.D

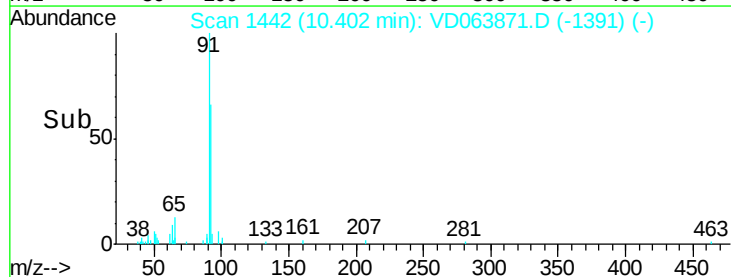
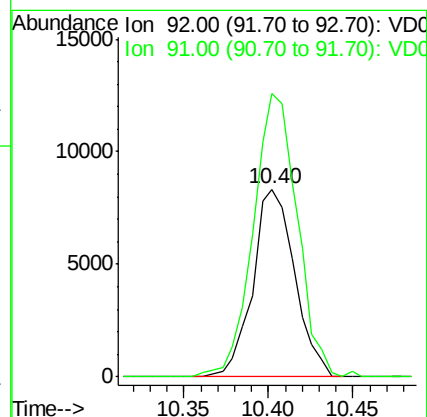
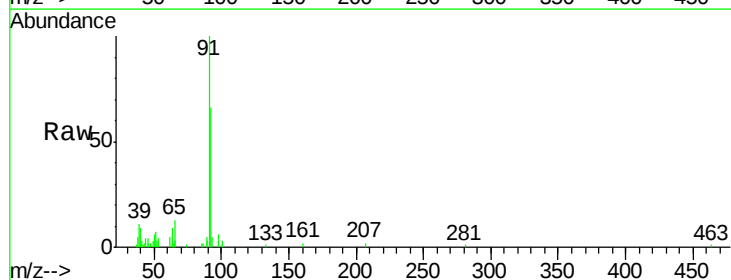
Acq: 02 Oct 2019 20:58

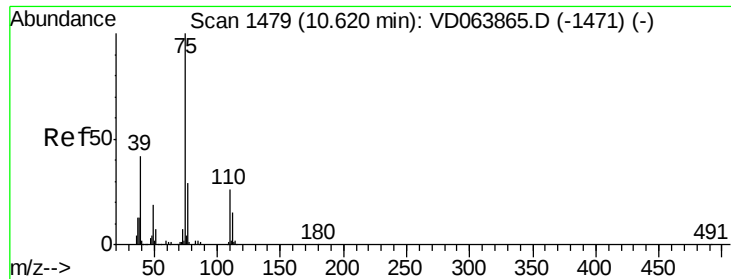
Tgt Ion: 92 Resp: 14410

Ion Ratio Lower Upper

92 100

91 158.1 139.5 209.3





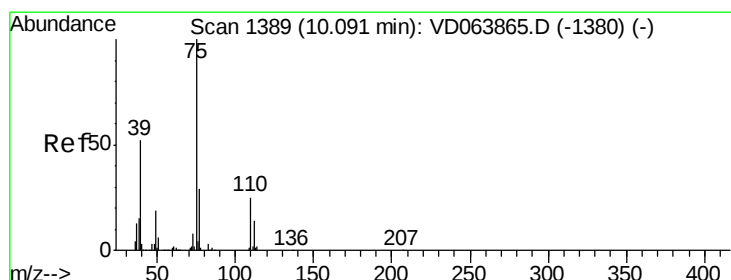
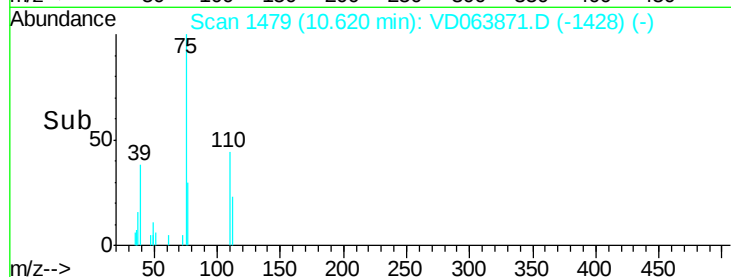
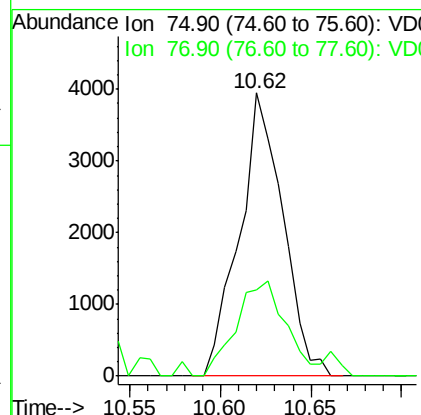
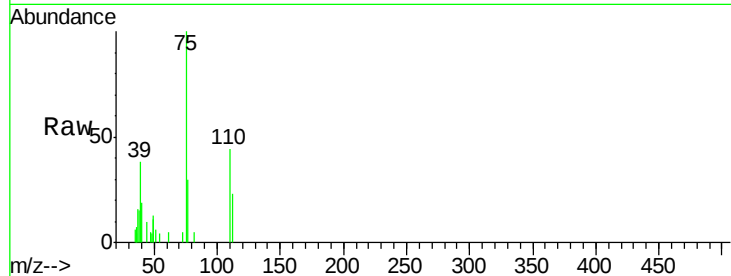
#53
 t-1,3-Dichloropropene
 Concen: 2.405 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL03

Tot Ion: 75 Resp: 6589
 Ion Ratio Lower Upper
 75 100
 77 30.3 22.8 34.2

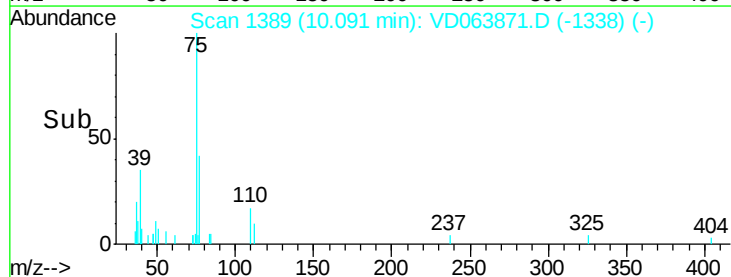
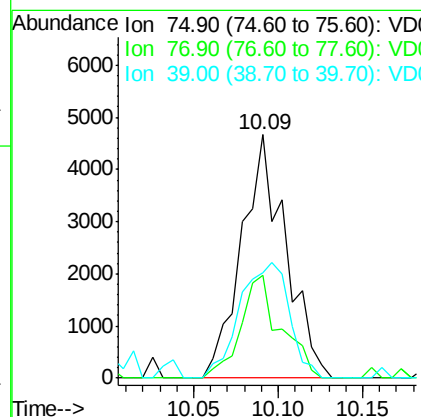
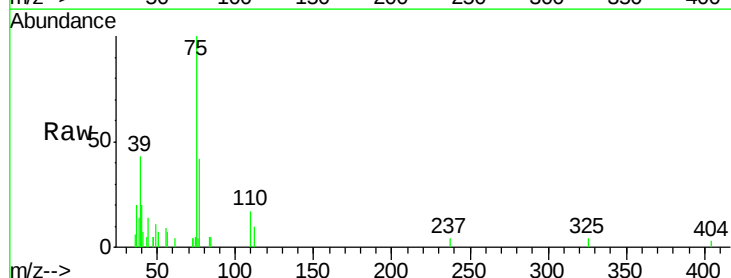
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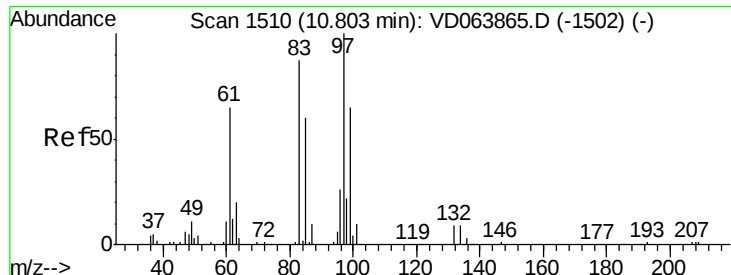
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 2.683 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Tgt Ion: 75 Resp: 8459
 Ion Ratio Lower Upper
 75 100
 77 42.0 23.2 34.8#
 39 43.4 41.5 62.3





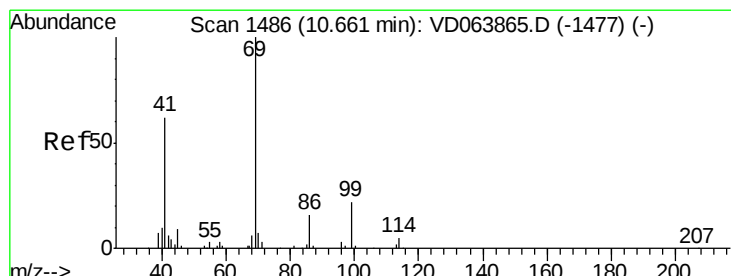
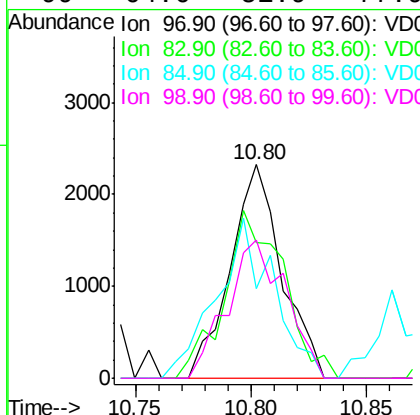
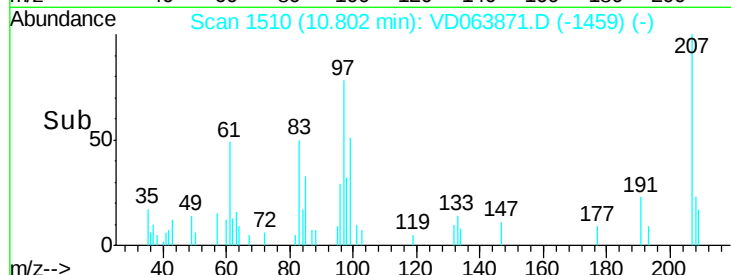
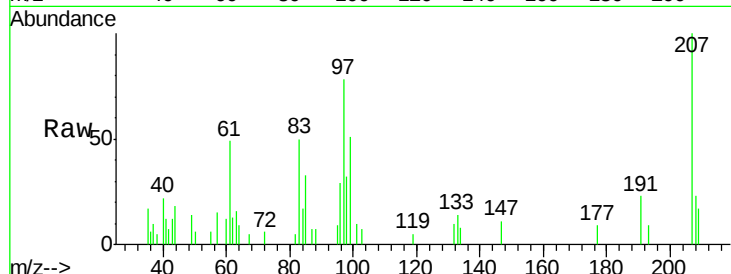
#55
 1,1,2-Trichloroethane
 Concen: 2.340 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
97	100		
83	63.3	69.7	104.5#
85	41.8	48.1	72.1#
99	64.6	51.9	77.9

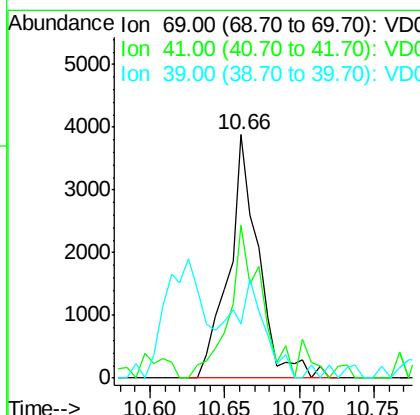
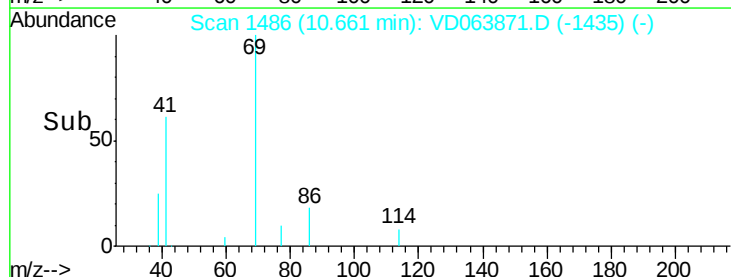
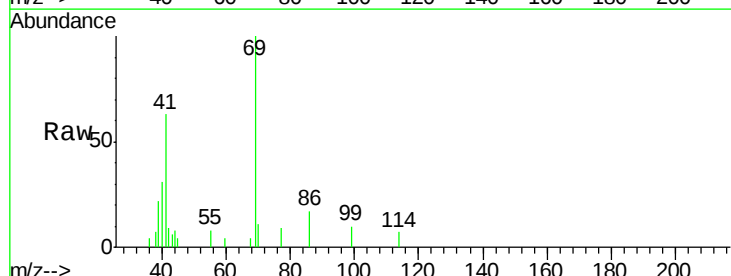
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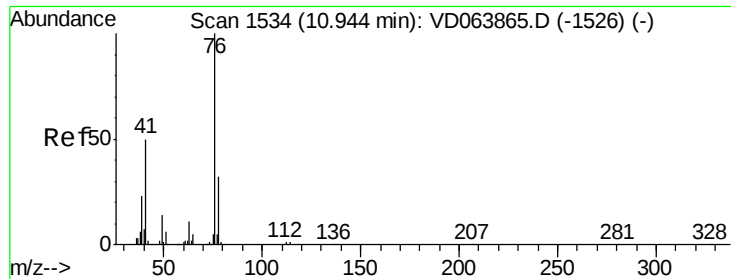
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#56
 Ethyl methacrylate
 Concen: 2.775 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.3	51.3	76.9
39	44.3	28.0	42.0#





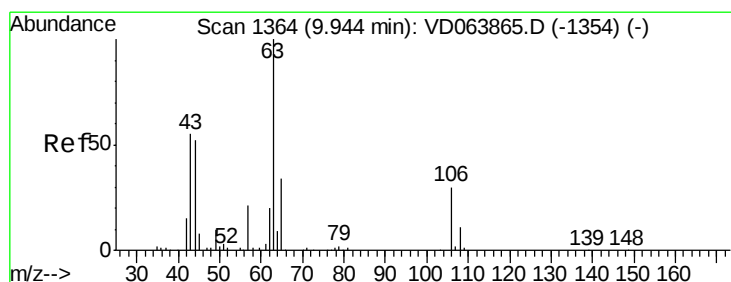
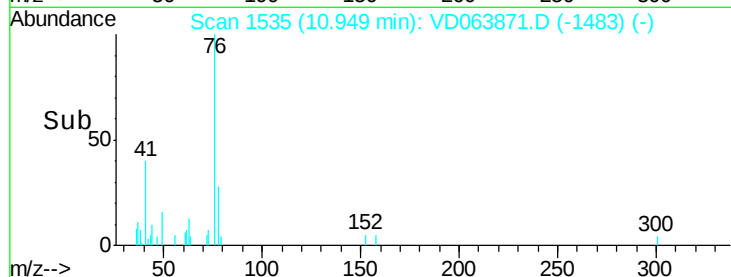
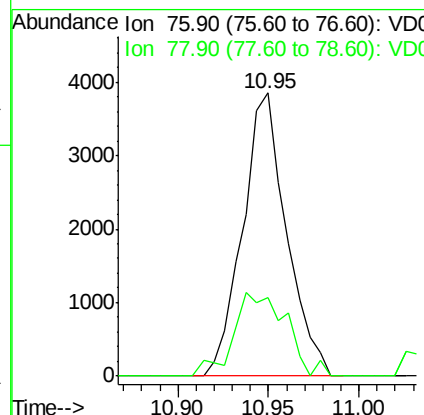
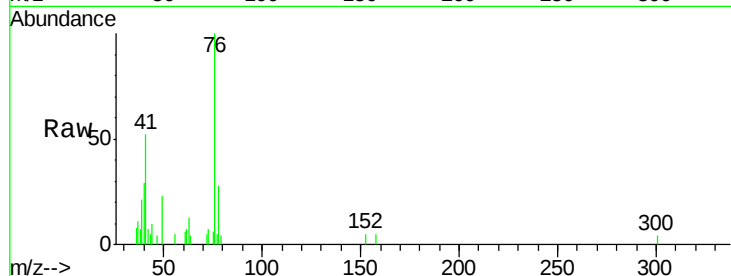
#57
 1,3-Dichloropropane
 Concen: 2.456 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.6	26.6	40.0

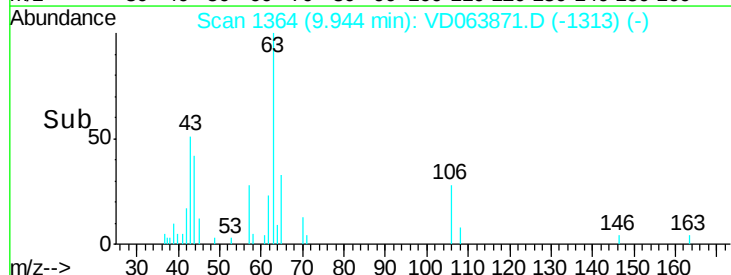
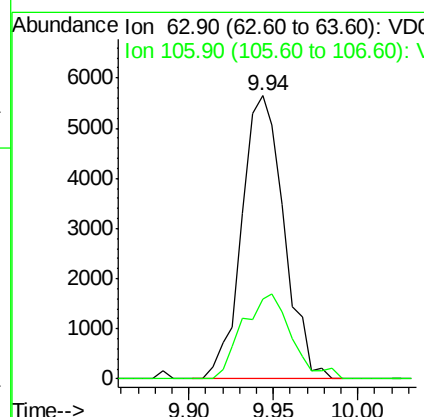
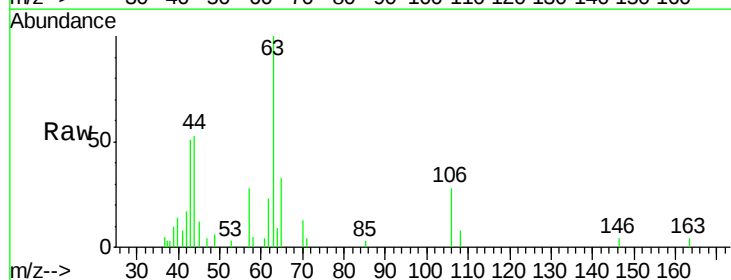
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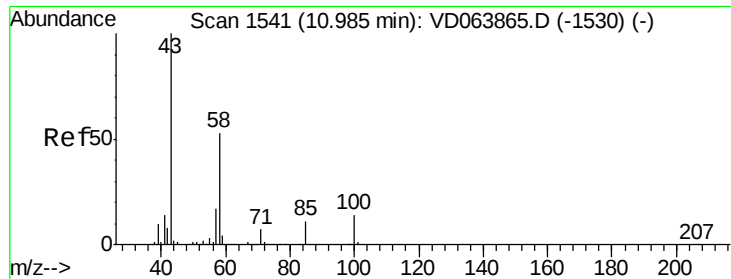
MMDadoda
 10/4/2019 4:32:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 11.722 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.6	24.3	36.5





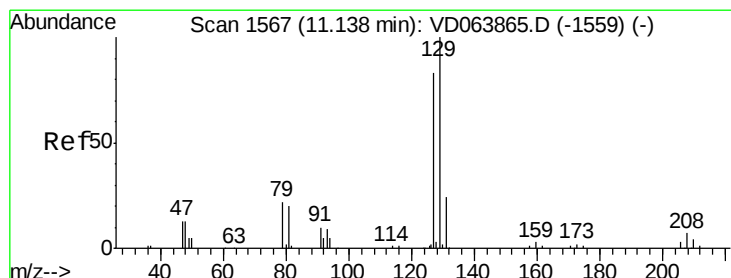
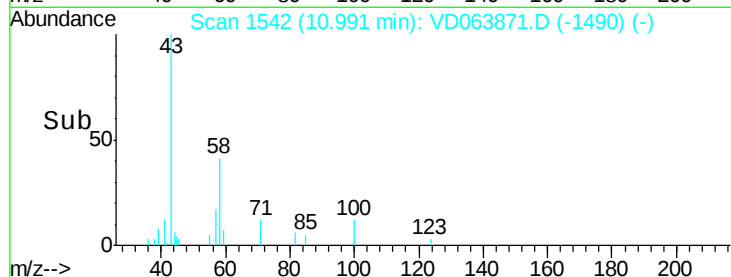
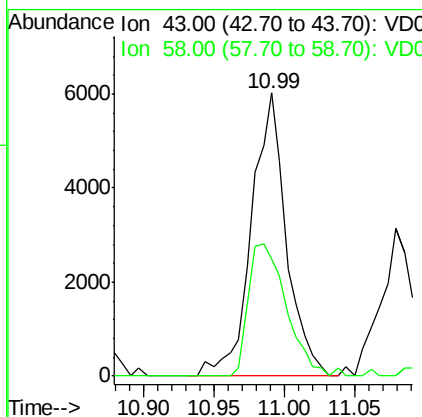
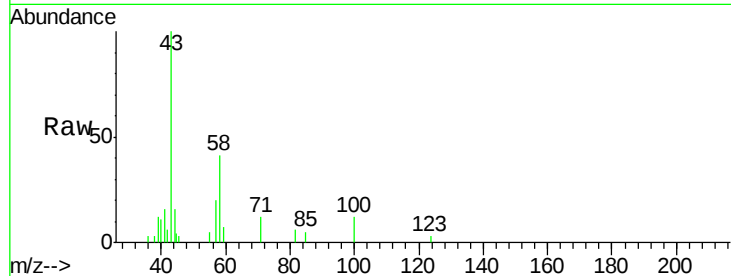
#59
2-Hexanone
Concen: 12.162 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

Tot Ion: 43 Resp: 10444
Ion Ratio Lower Upper
43 100
58 51.1 27.7 83.0

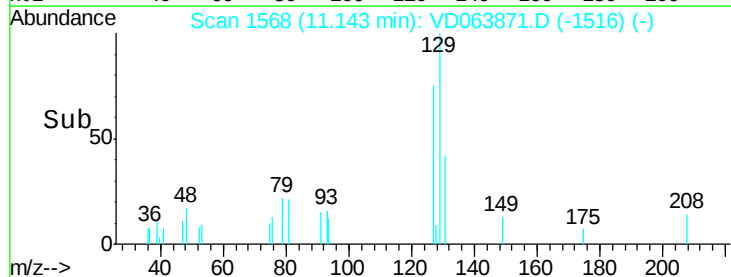
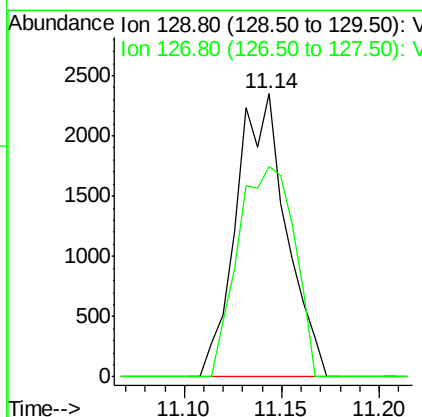
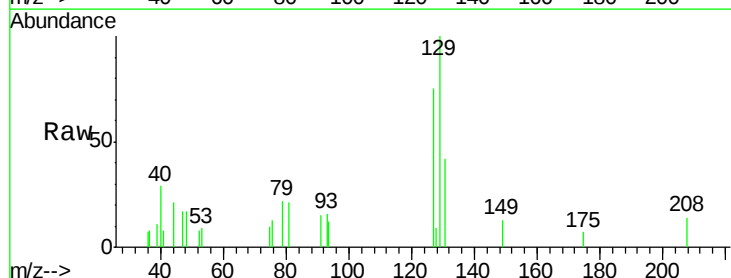
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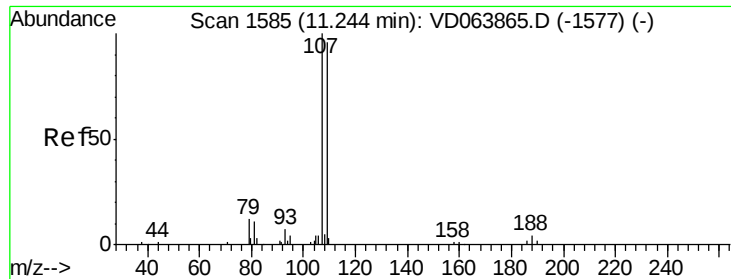
MMDadoda
10/4/2019 4:32:57 PM



#60
Dibromochloromethane
Concen: 2.086 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion: 129 Resp: 4180
Ion Ratio Lower Upper
129 100
127 83.6 39.9 119.6





#61

1,2-Dibromoethane

Concen: 2.719 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

MDL03

Tot Ion: 107 Resp: 4058

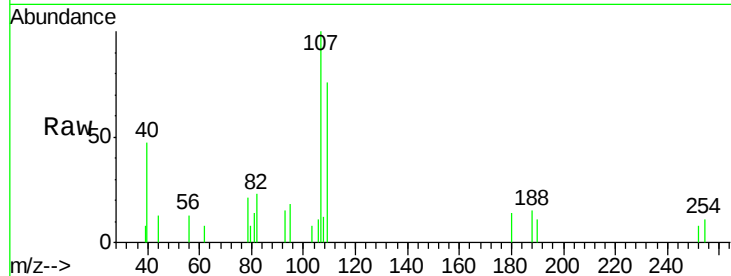
Ion Ratio Lower Upper

107 100

109 89.0 75.2 112.8

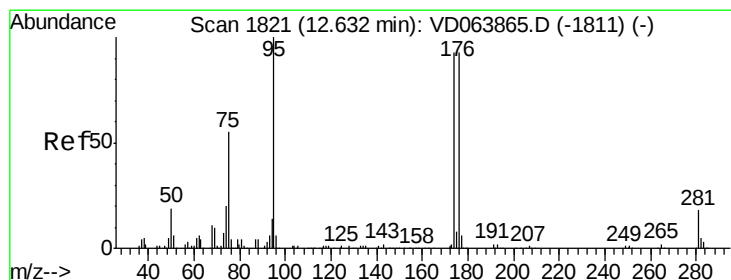
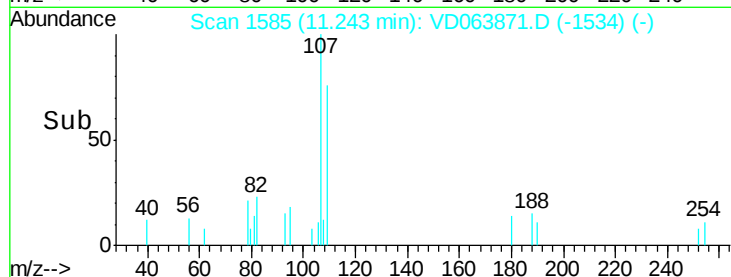
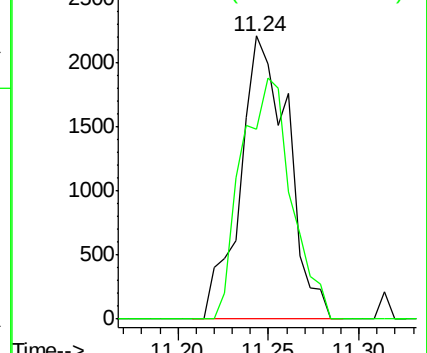
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 41.467 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

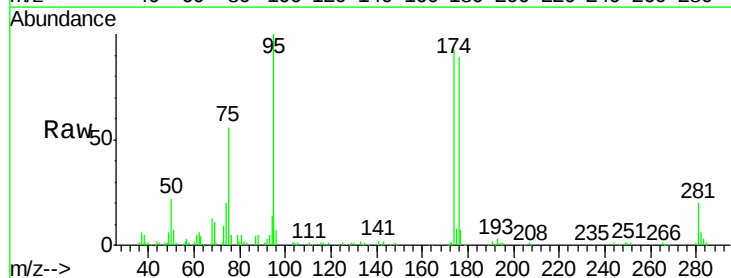
Tgt Ion: 95 Resp: 106701

Ion Ratio Lower Upper

95 100

174 95.0 0.0 186.4

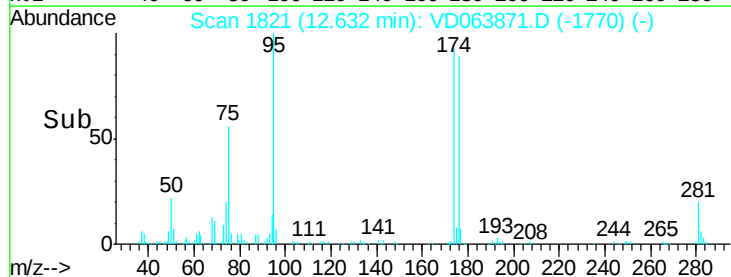
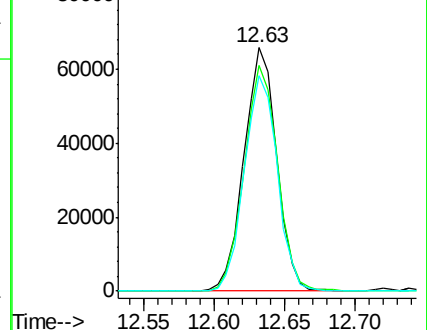
176 89.6 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





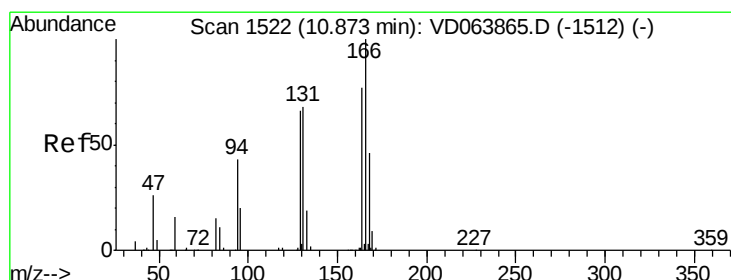
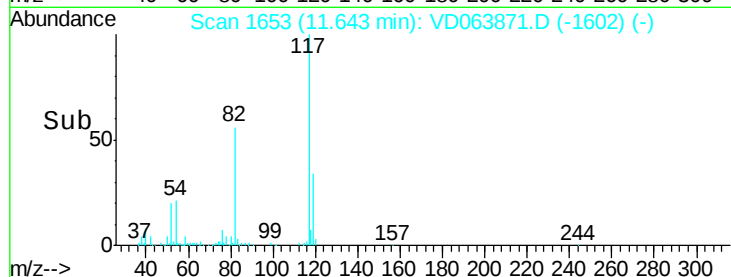
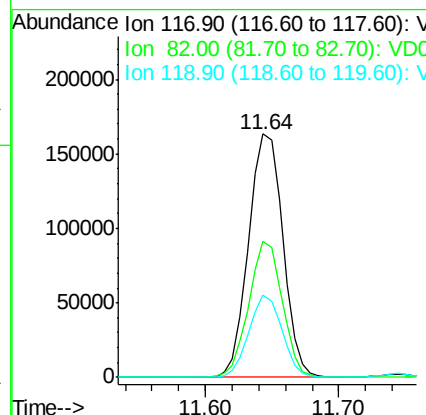
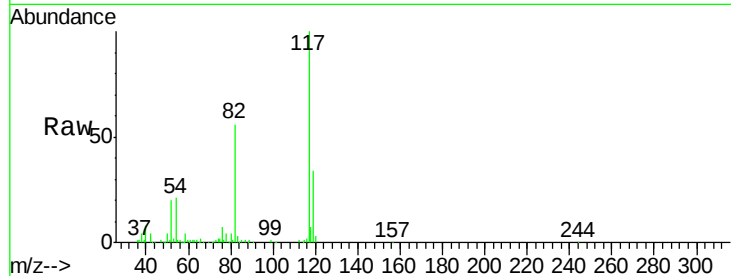
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	290329		
82	55.7	42.8	64.2	
119	33.7	24.4	36.6	

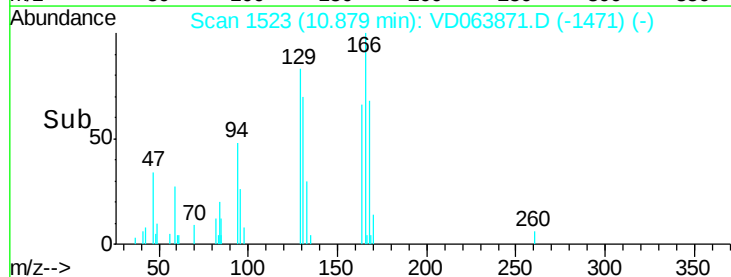
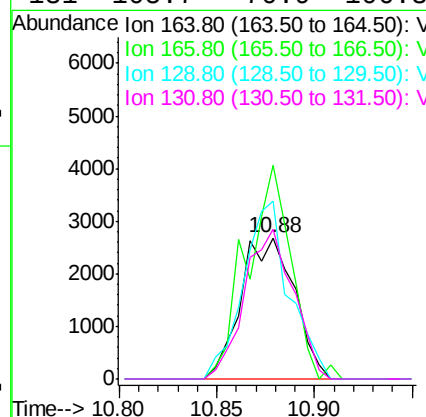
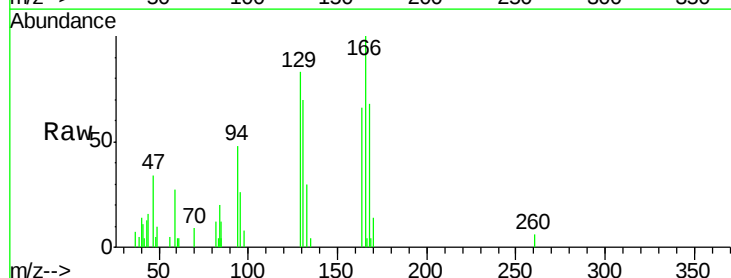
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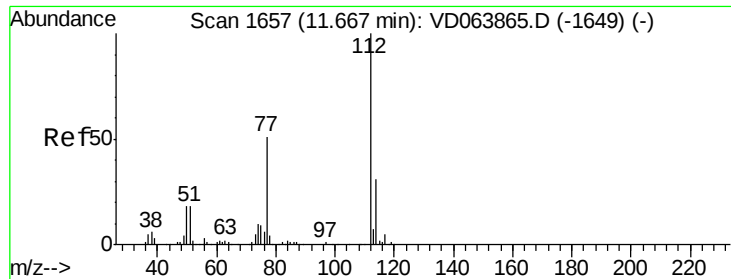
MMDadoda
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#64
Tetrachloroethene
Concen: 2.573 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5099		
166	151.1	103.8	155.6	
129	125.7	68.9	103.3	
131	105.7	70.9	106.3	





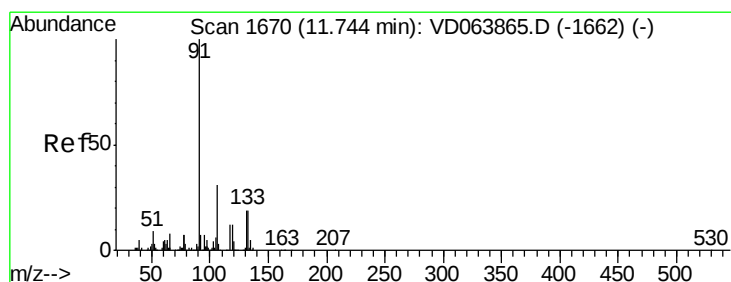
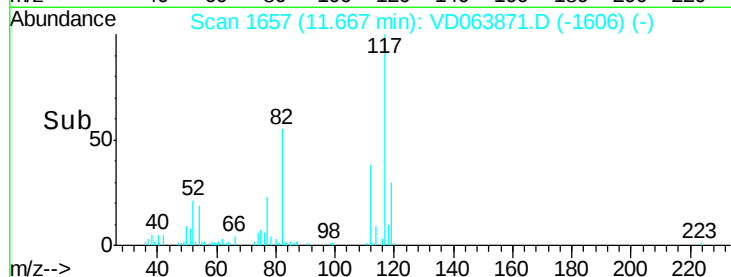
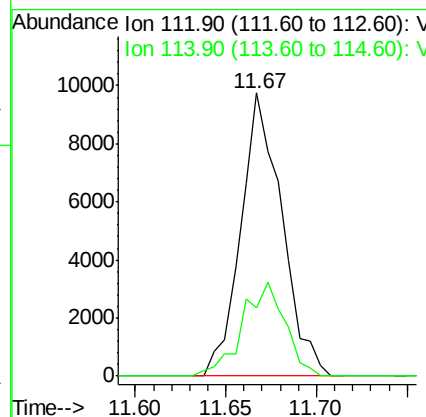
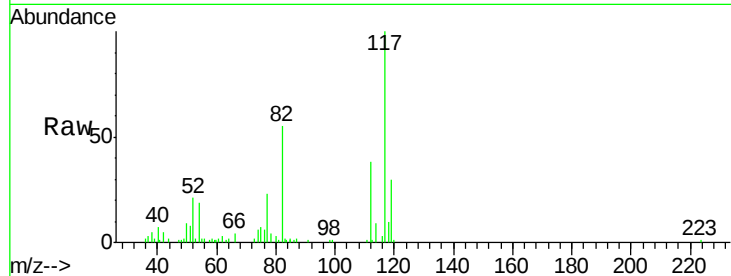
#65
Chlorobenzene
Concen: 2.635 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
112	100		
114	24.3	25.1	37.7#

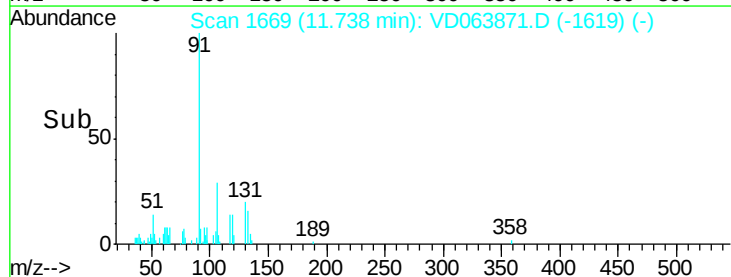
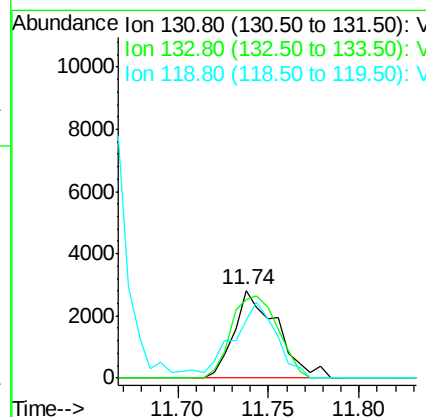
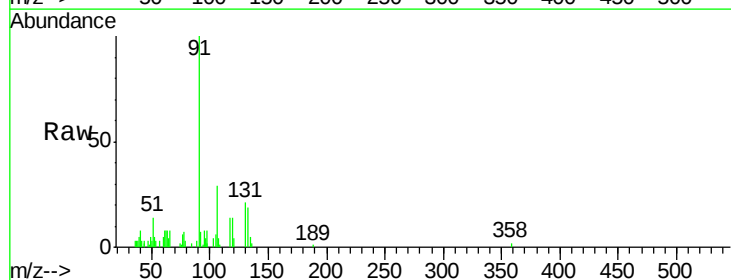
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#66
1,1,1,2-Tetrachloroethane
Concen: 2.186 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	100.6	48.9	146.7
119	88.7	32.6	97.8





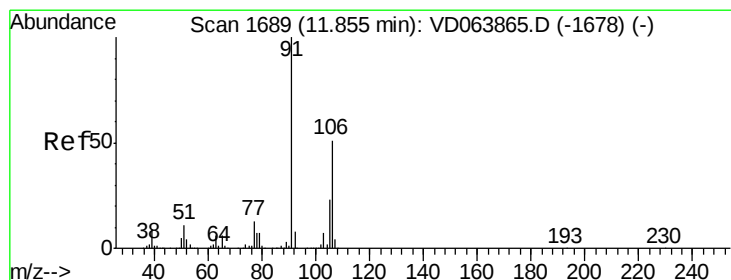
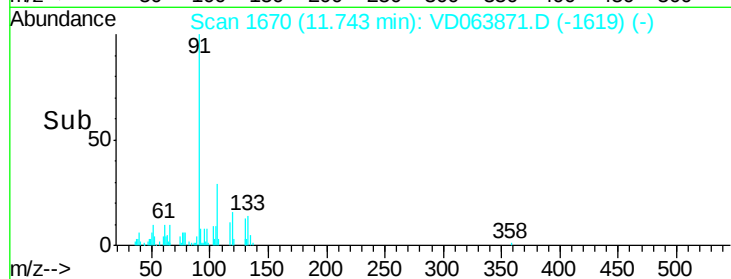
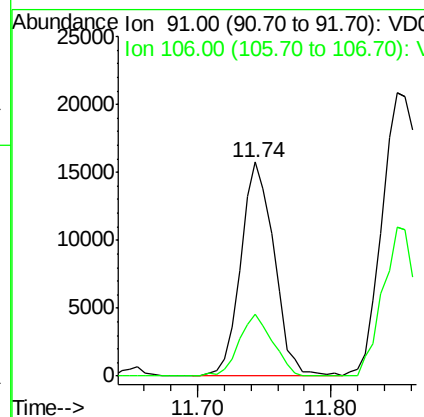
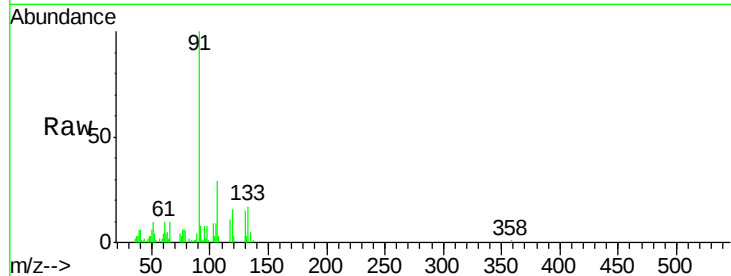
#67
Ethyl Benzene
Concen: 2.588 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

Tot Ion: 91 Resp: 27209
Ion Ratio Lower Upper
91 100
106 28.7 24.6 37.0

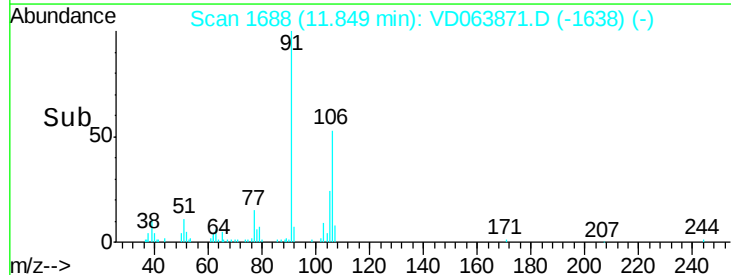
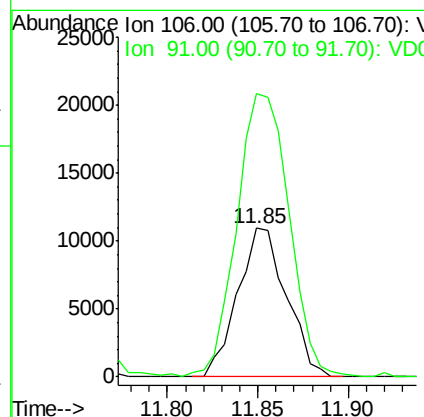
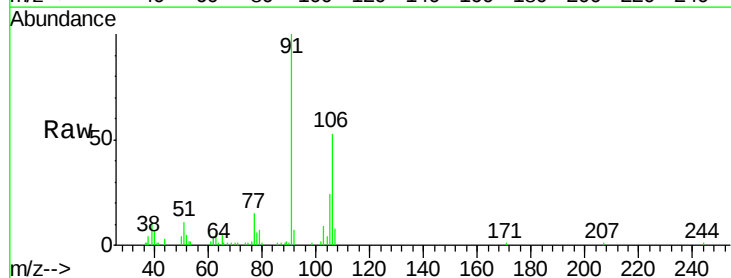
Manual Integrations
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#68
m/p-Xylenes
Concen: 5.028 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion: 106 Resp: 20402
Ion Ratio Lower Upper
106 100
91 204.9 154.8 232.2





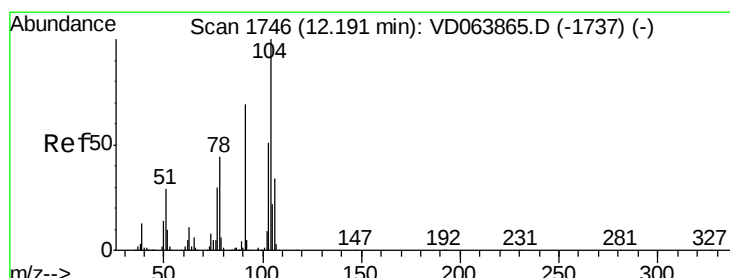
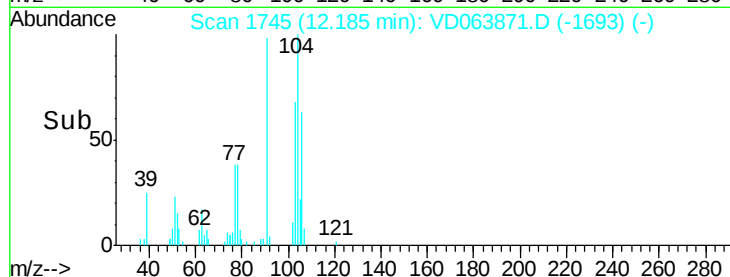
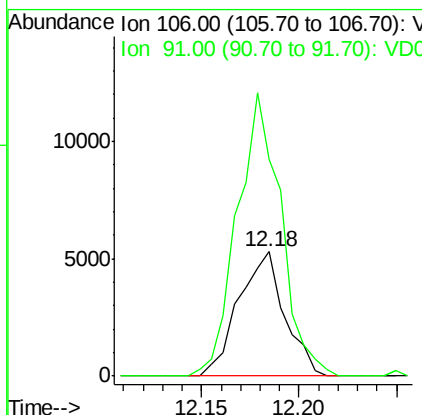
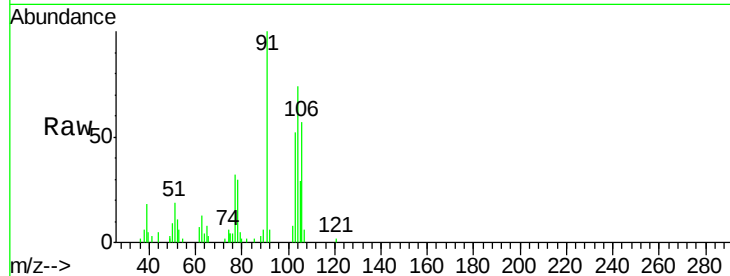
#69
o-Xylene
Concen: 2.220 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampled :
MDL03

Tot Ion:106 Resp: 8628
Ion Ratio Lower Upper
106 100
91 216.6 103.9 311.7

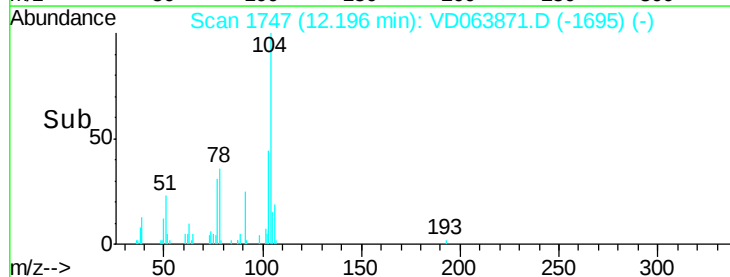
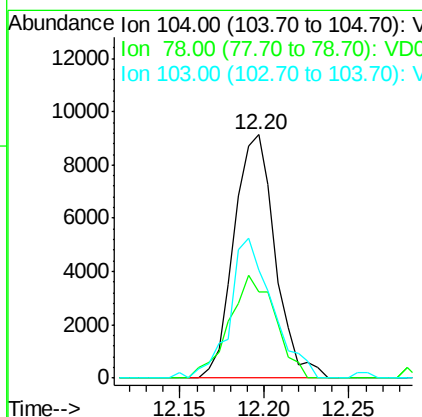
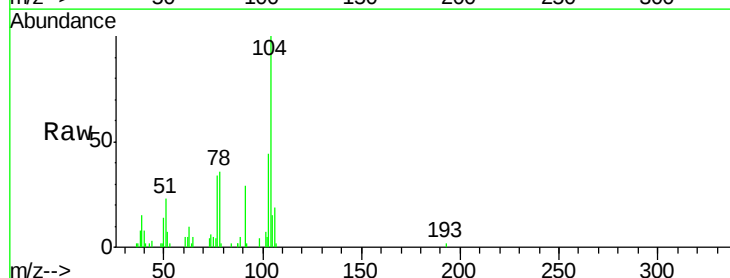
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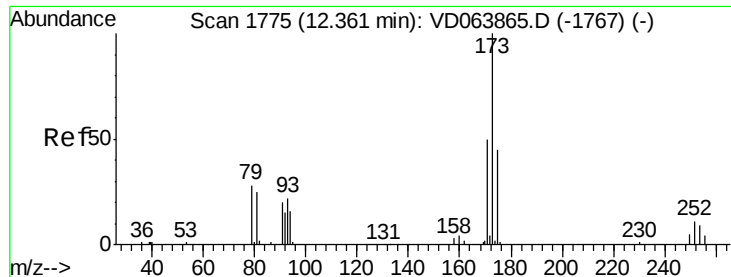
MMDadoda
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#70
Styrene
Concen: 2.355 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion:104 Resp: 15494
Ion Ratio Lower Upper
104 100
78 47.1 37.0 55.4
103 59.2 44.2 66.4





#71

Bromoform

Concen: 2.435 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

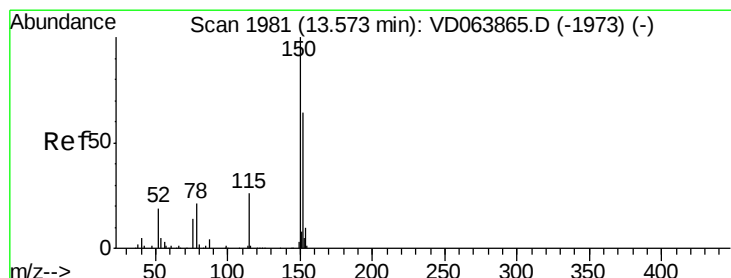
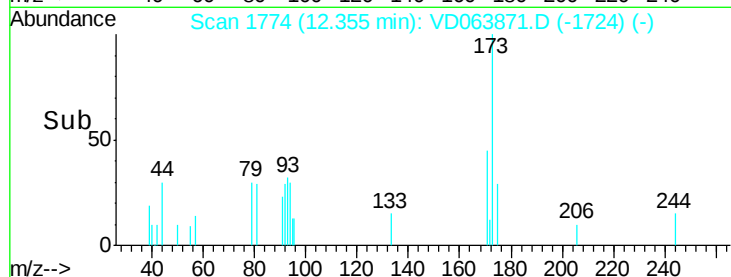
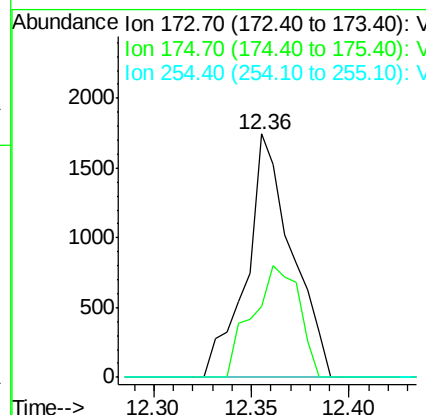
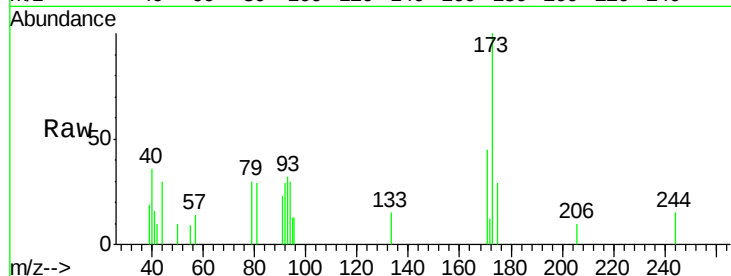
ClientSampleId :

MDL03

Tot Ion:	173	Resp:	2808
Ion Ratio	Lower	Upper	
173	100		
175	47.3	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

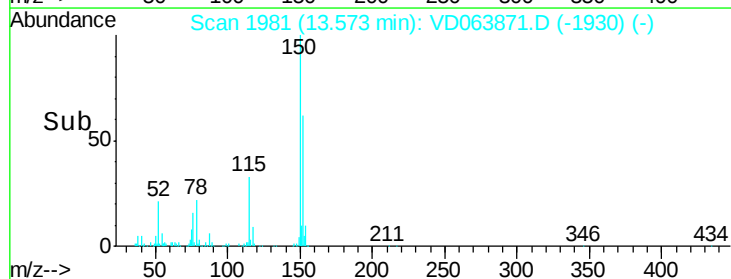
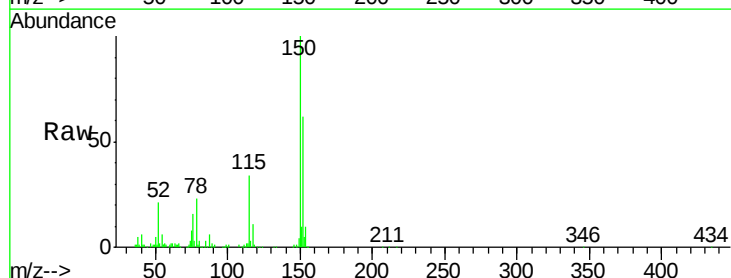
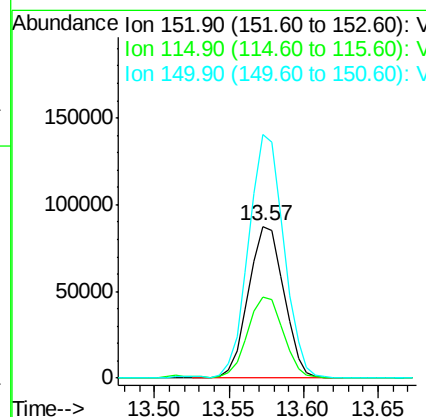
RT: 13.57 min Scan# 1981

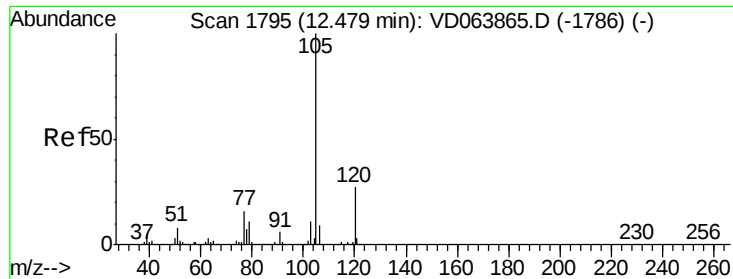
Delta R.T. -0.00 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Tgt Ion:	152	Resp:	144590
Ion Ratio	Lower	Upper	
152	100		
115	53.7	25.9	77.7
150	157.9	0.0	344.2





#73

Isopropylbenzene

Concen: 2.668 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

MDL03

Tot Ion:105 Resp: 25936

Ion Ratio Lower Upper

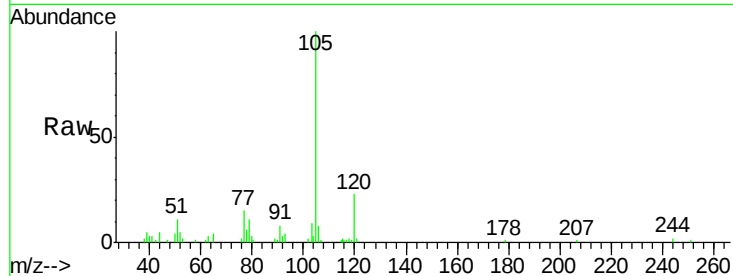
105 100

120 25.8 13.3 39.8

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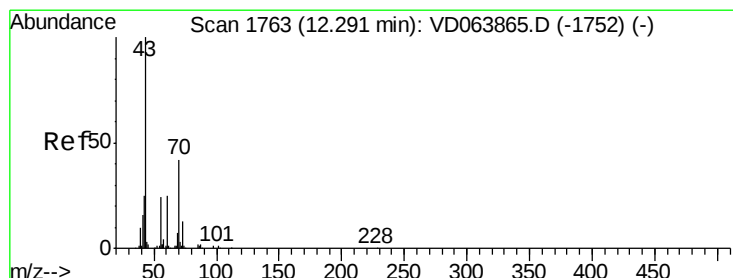
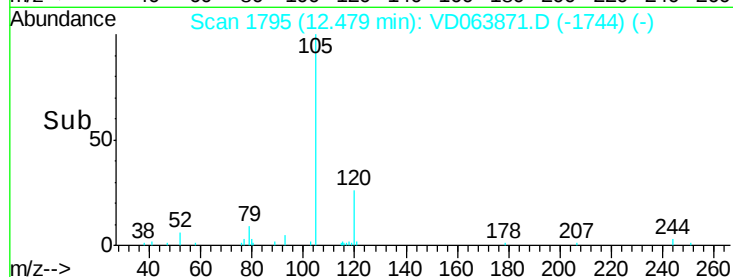
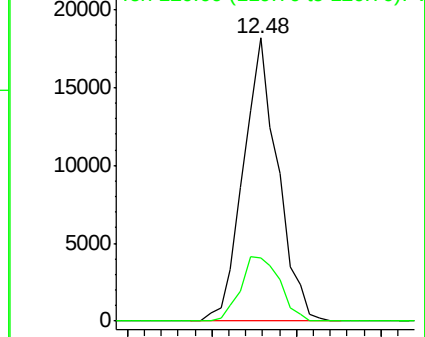
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.728 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Tgt Ion: 43 Resp: 5708

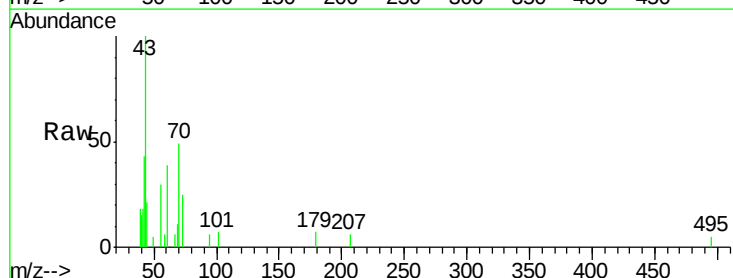
Ion Ratio Lower Upper

43 100

70 42.1 35.8 53.6

55 25.6 19.4 29.0

61 26.6 20.4 30.6

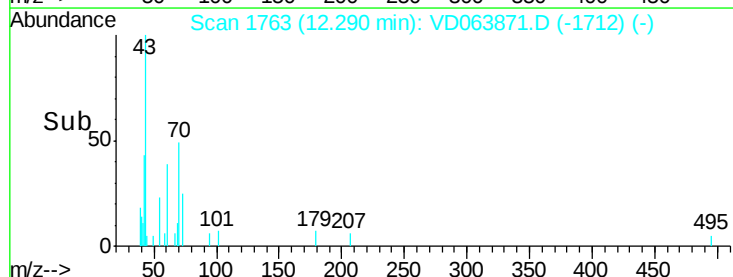
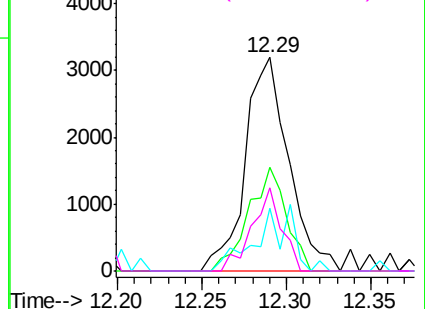


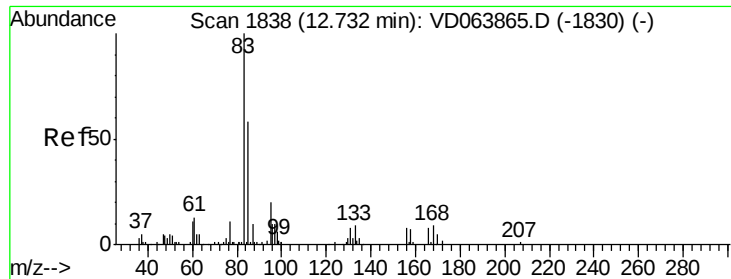
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 2.434 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

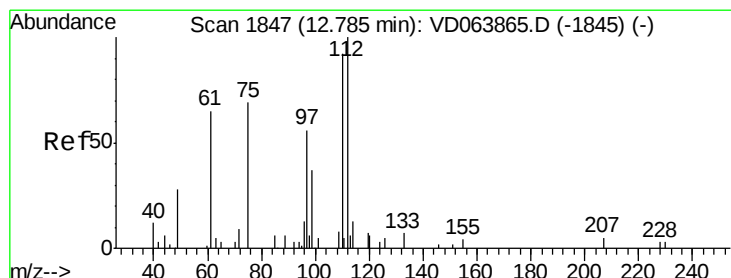
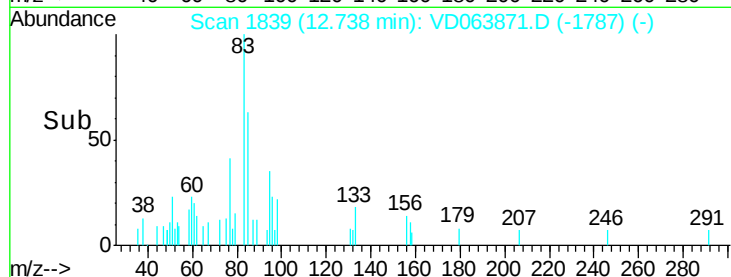
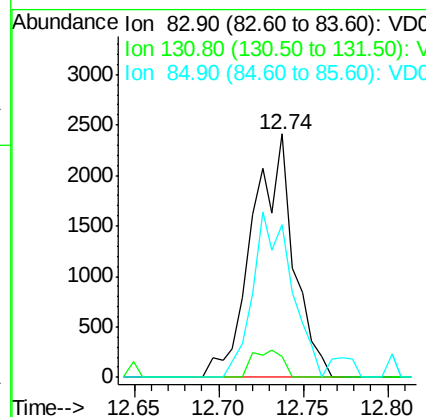
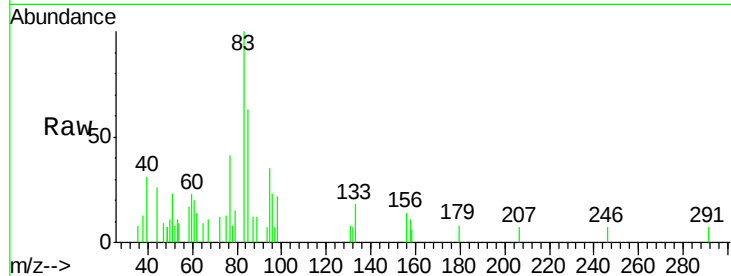
ClientSampleId :

MDL03

Tot Ion:	83	Resp:	4117
Ion	Ratio	Lower	Upper
83	100		
131	8.1	5.6	16.8
85	63.9	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 3.496 ug/l m

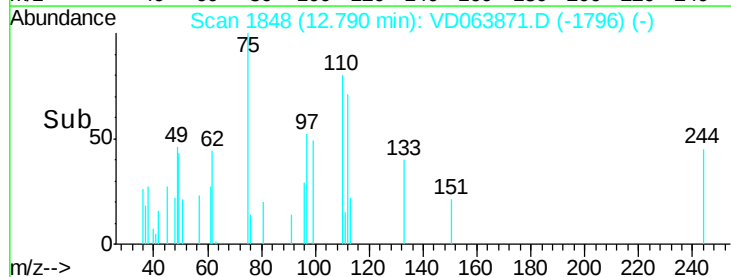
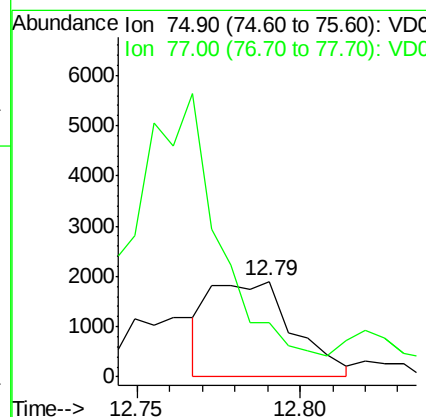
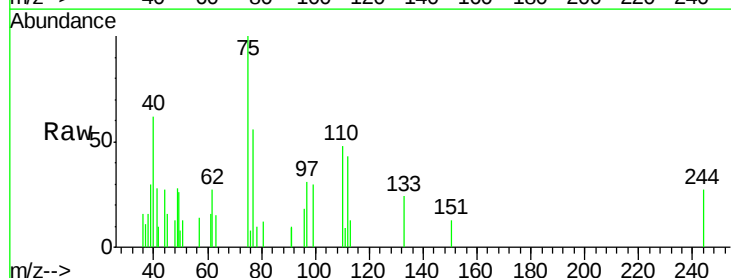
RT: 12.79 min Scan# 1848

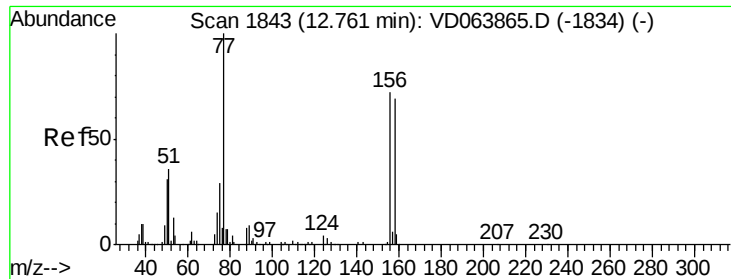
Delta R.T. 0.01 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Tgt Ion:	75	Resp:	3386
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





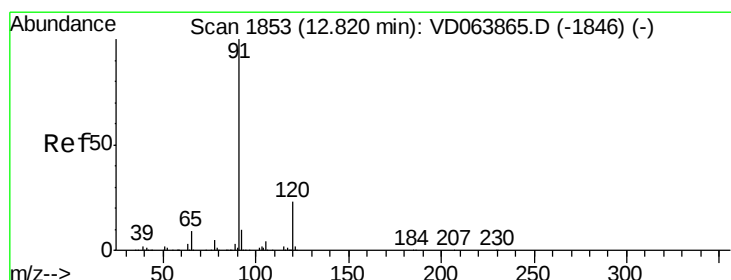
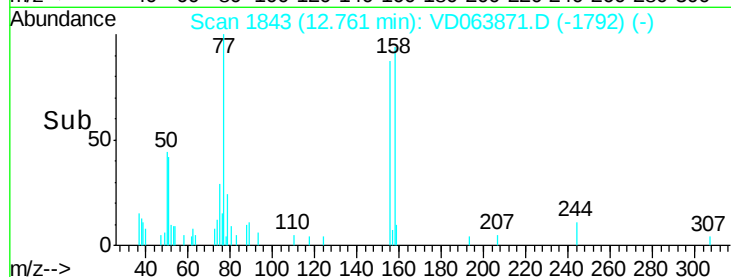
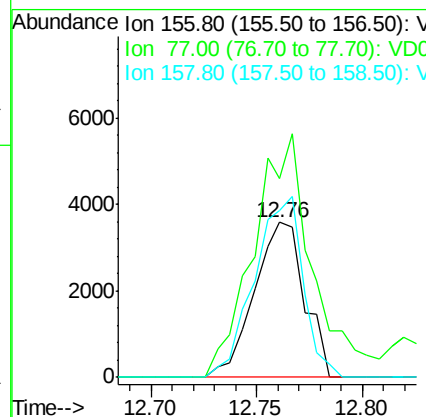
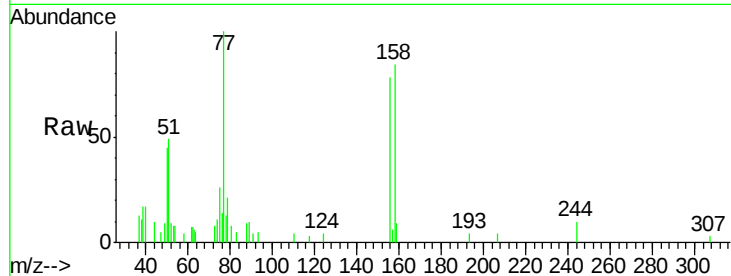
#77
Bromobenzene
Concen: 2.445 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.5	80.3	241.0
158	112.9	47.4	142.2

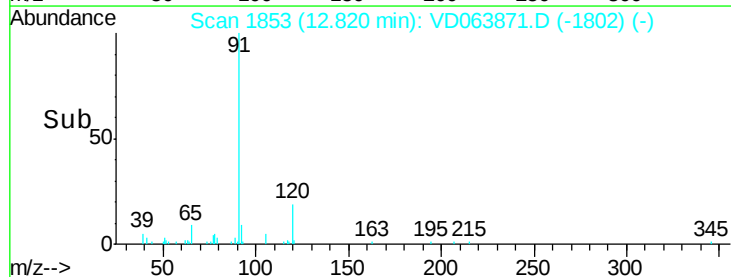
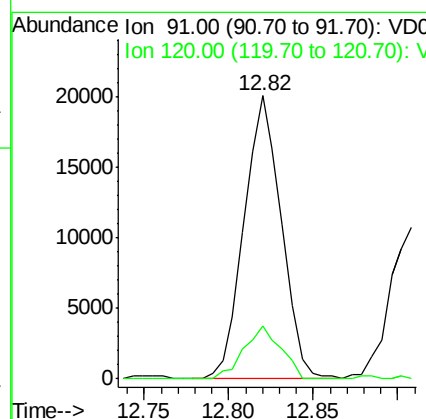
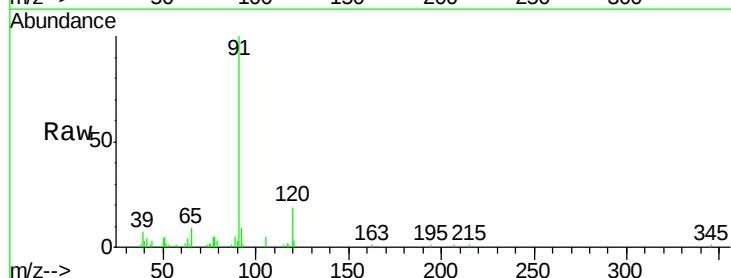
Manual Integrations
APPROVED

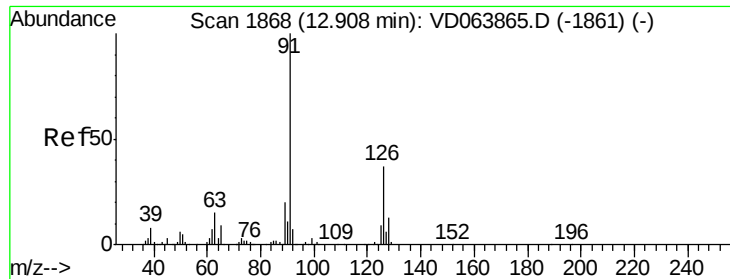
MMDadoda
10/4/2019 4:32:57 PM



#78
n-propylbenzene
Concen: 2.702 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	18.5	12.0	36.0





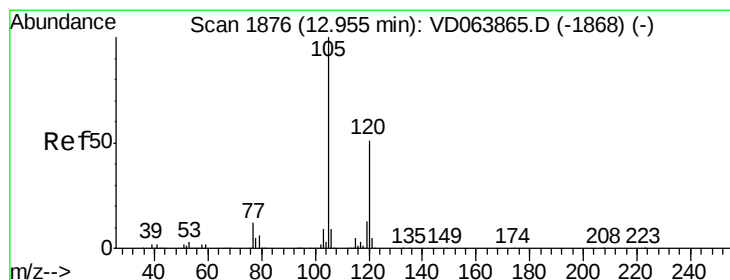
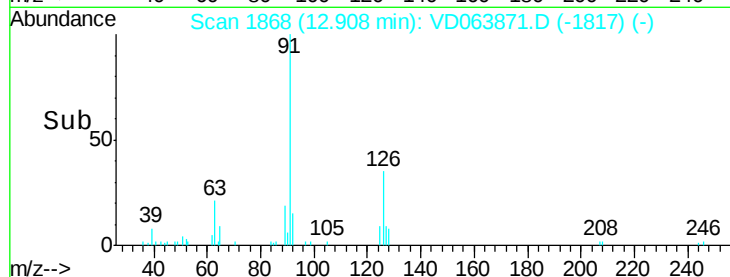
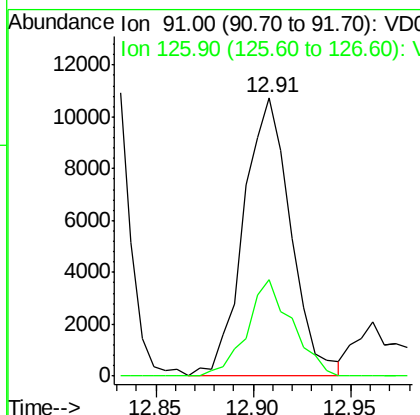
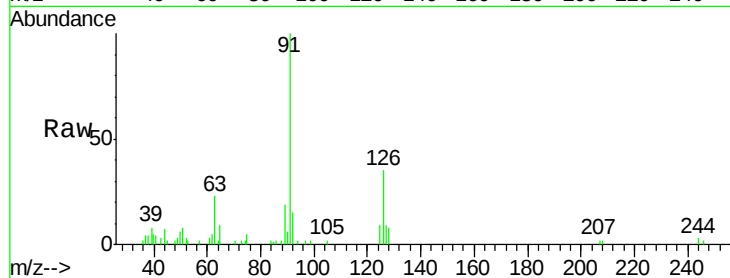
#79
2-Chlorotoluene
Concen: 2.857 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

Tot Ion: 91 Resp: 17974
Ion Ratio Lower Upper
91 100
126 33.0 18.4 55.2

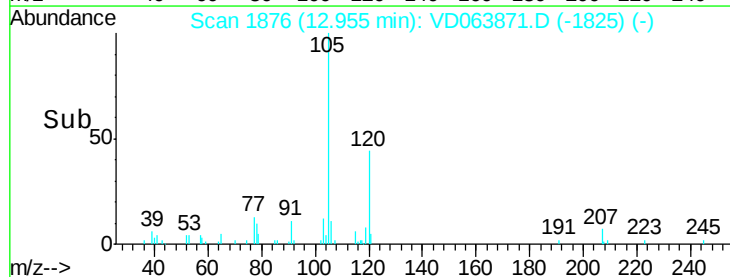
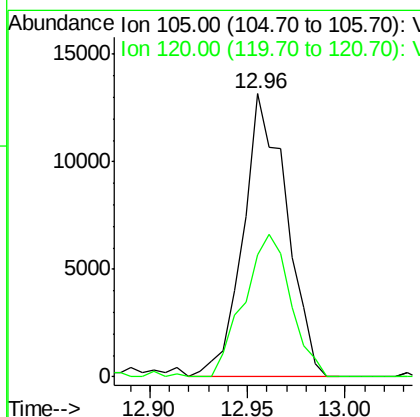
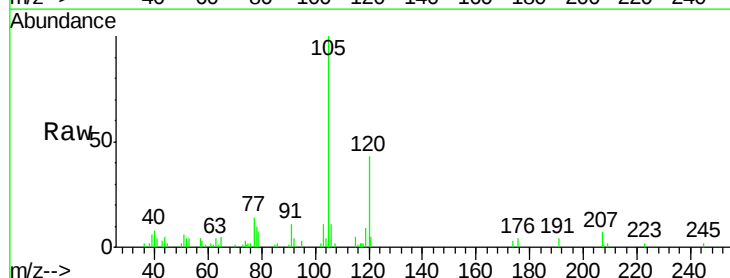
Manual Integrations
APPROVED

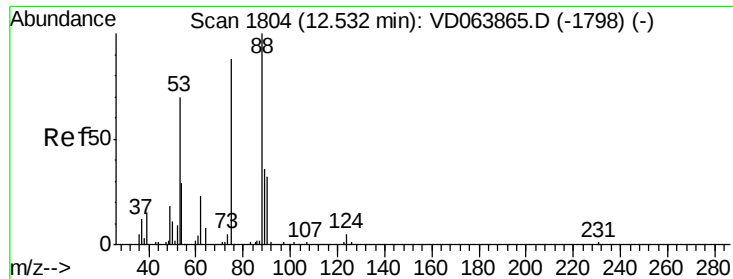
MMDadoda
10/4/2019 4:32:57 PM



#80
1,3,5-Trimethylbenzene
Concen: 2.506 ug/l
RT: 12.96 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion: 105 Resp: 20321
Ion Ratio Lower Upper
105 100
120 53.8 25.9 77.8





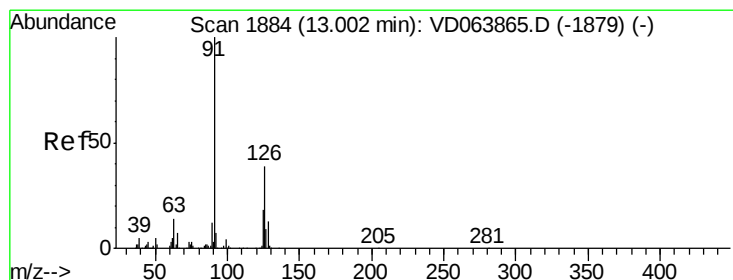
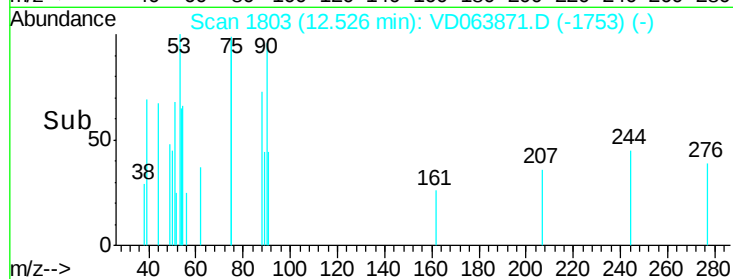
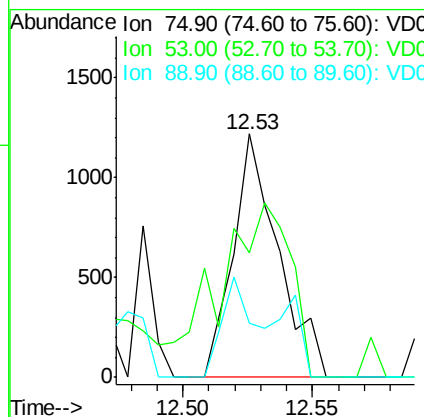
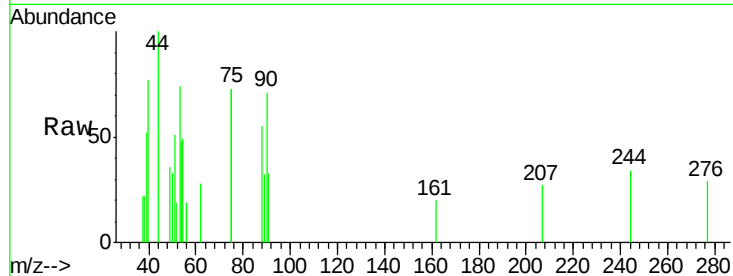
#81
trans-1,4-Dichloro-2-butene
Concen: 2.686 ug/l m
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
75	100		
53	3.9	75.0	112.6#
89	6.1	38.2	57.4#

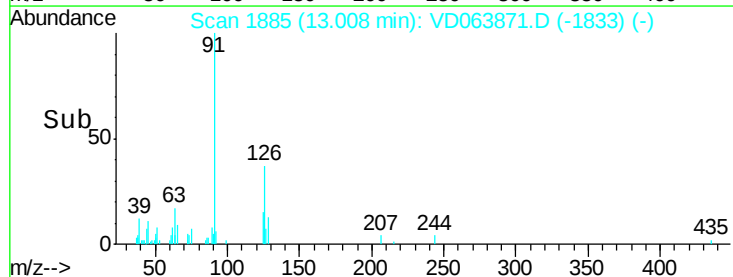
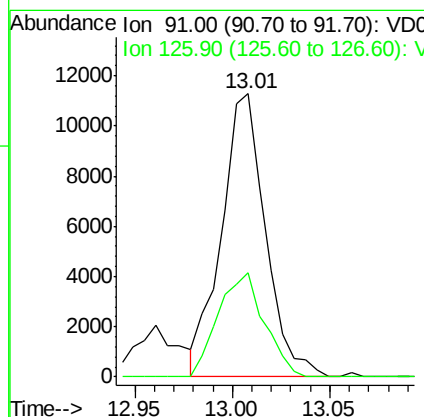
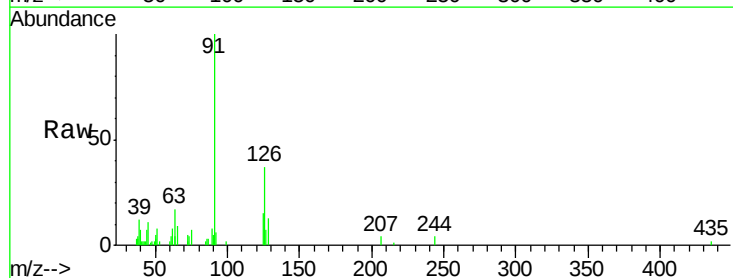
Manual Integrations
APPROVED

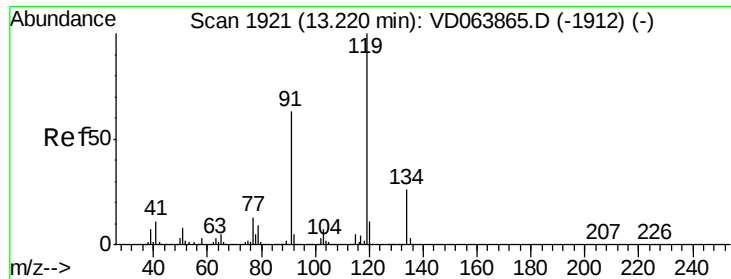
MMDadoda
10/4/2019 4:32:57 PM



#82
4-Chlorotoluene
Concen: 2.649 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.3	18.6	55.8





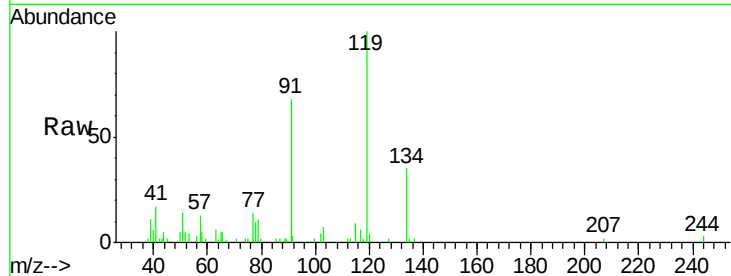
#83
tert-Butylbenzene
Concen: 2.669 ug/l
RT: 13.22 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

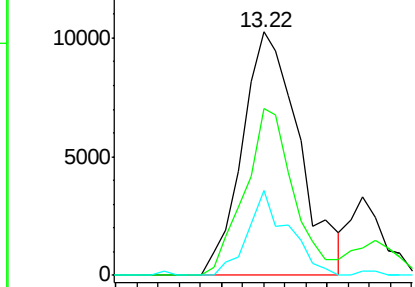
Tot Ion	Ratio	Lower	Upper
119	100		
91	58.9	30.0	90.0
134	24.7	13.0	38.9

Manual Integrations
APPROVED

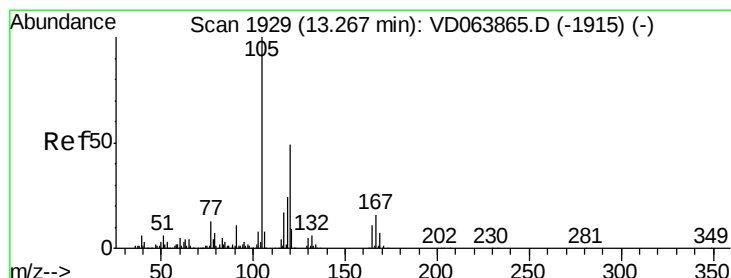
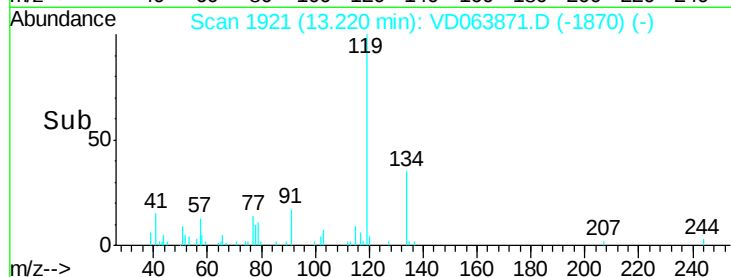
MMDadoda
10/4/2019 4:32:57 PM



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

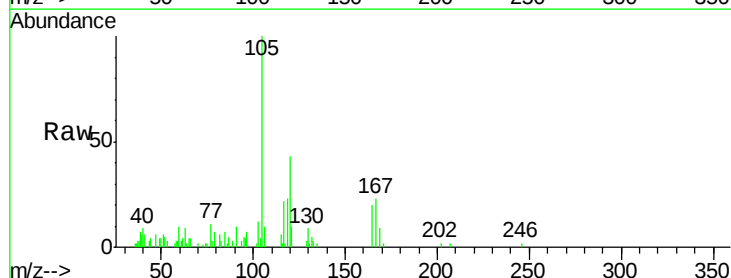


Time--> 13.15 13.20 13.25

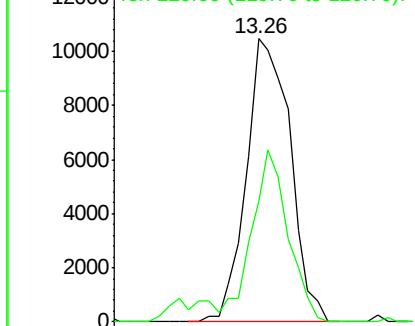


#84
1,2,4-Trimethylbenzene
Concen: 2.258 ug/l
RT: 13.26 min Scan# 1928
Delta R.T. -0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

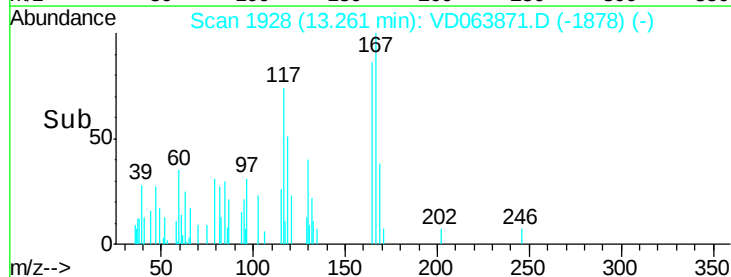
Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.7	23.8	71.5

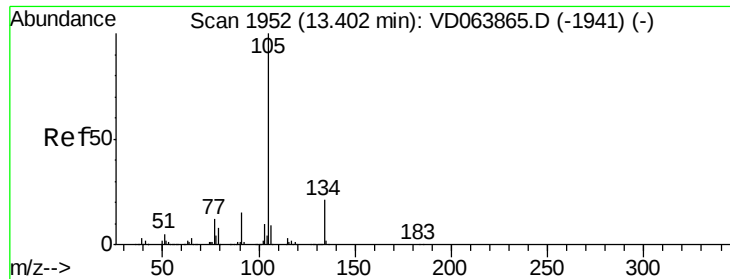


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time--> 13.20 13.25 13.30





#85

sec-Butylbenzene

Concen: 2.489 ug/l

RT: 13.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

Instrument :

MSVOA_D

ClientSampleId :

MDL03

Tot Ion:105 Resp: 24254

Ion Ratio Lower Upper

105 100

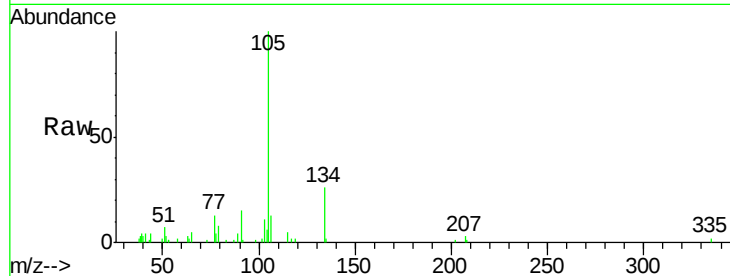
134 24.4 10.6 31.8

Manual Integrations

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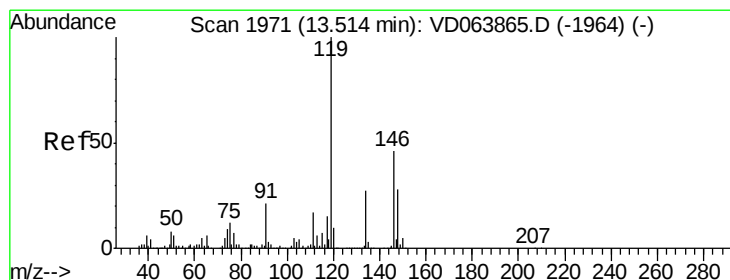
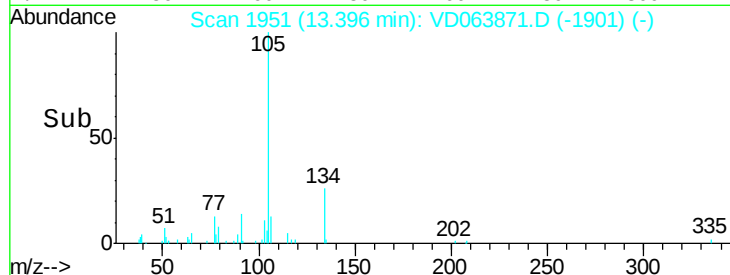
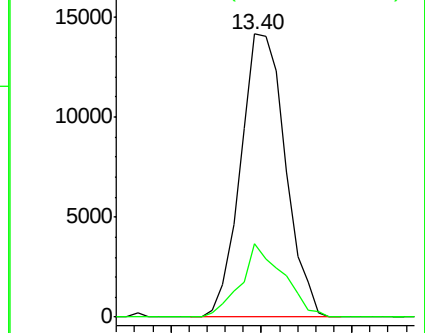
MMDadoda

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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: 2.505 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063871.D

Acq: 02 Oct 2019 20:58

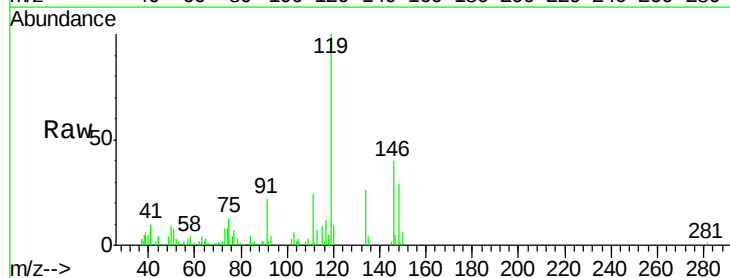
Tgt Ion:119 Resp: 23101

Ion Ratio Lower Upper

119 100

134 26.6 13.9 41.6

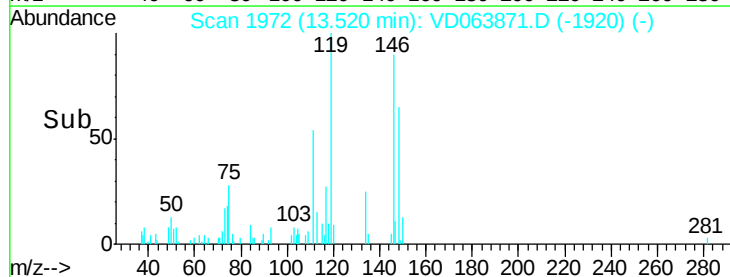
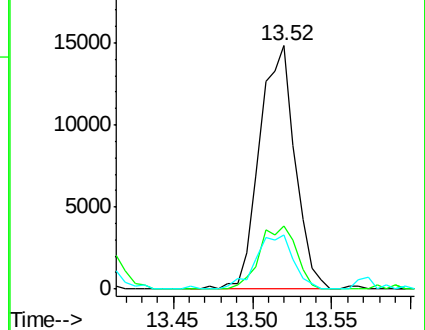
91 23.6 11.2 33.5

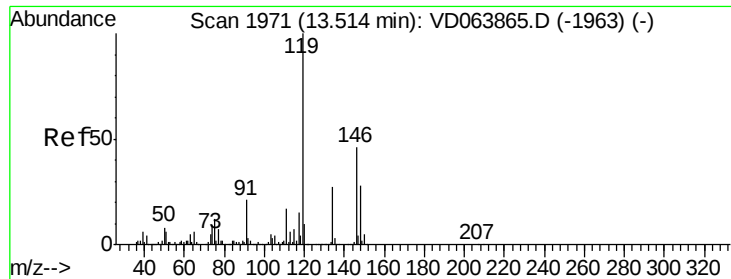


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





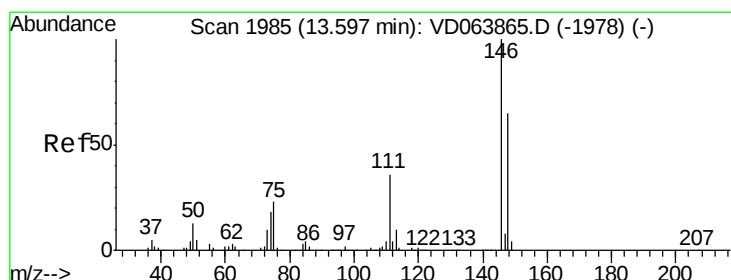
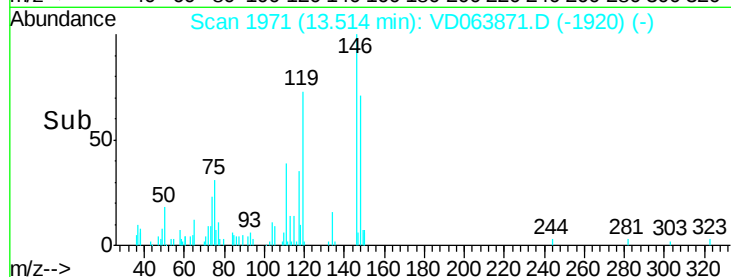
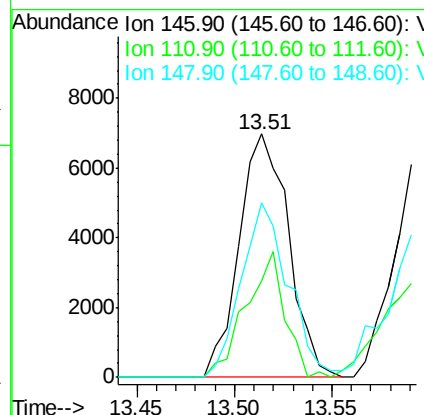
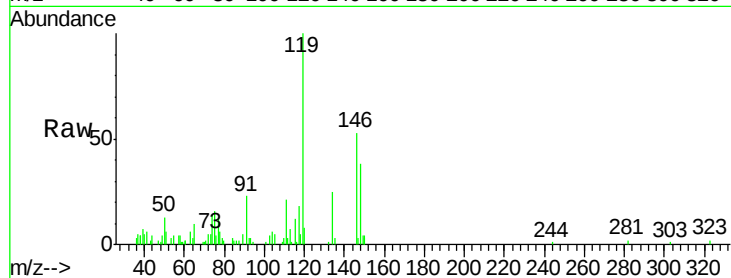
#87
 1,3-Dichlorobenzene
 Concen: 2.563 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	18.3	54.9
148	68.9	31.8	95.4

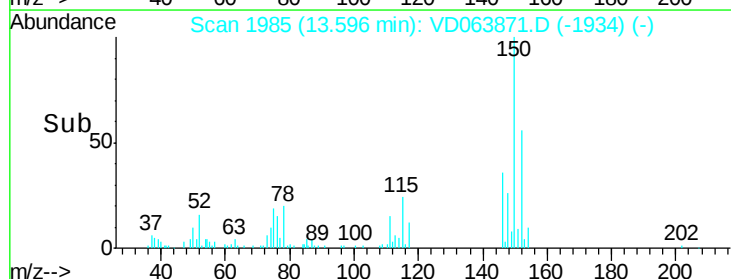
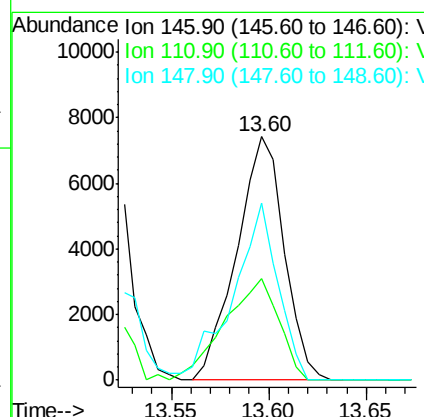
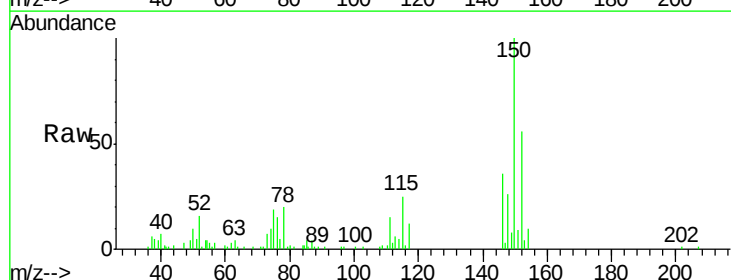
Manual Integrations
 APPROVED

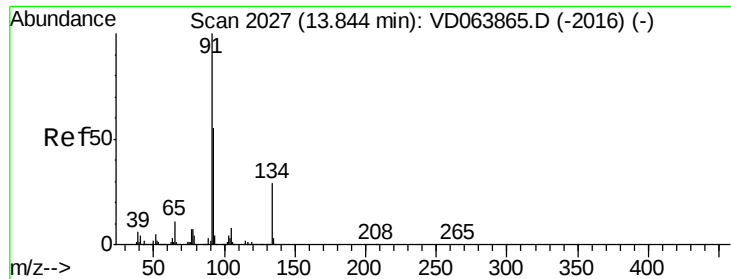
MMDadoda
 10/4/2019 4:32:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 2.648 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.8	18.6	56.0
148	68.2	32.6	98.0





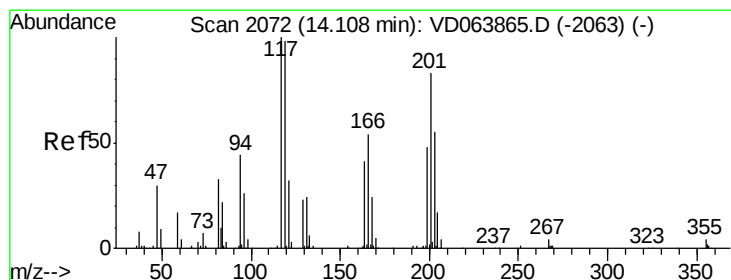
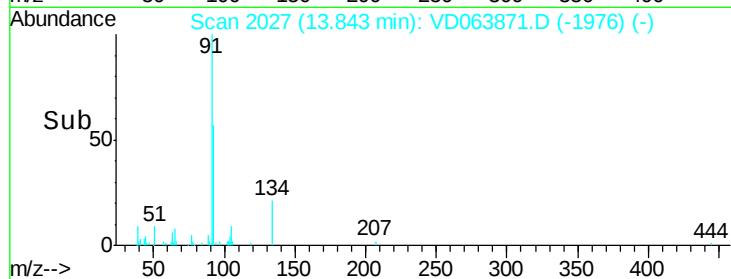
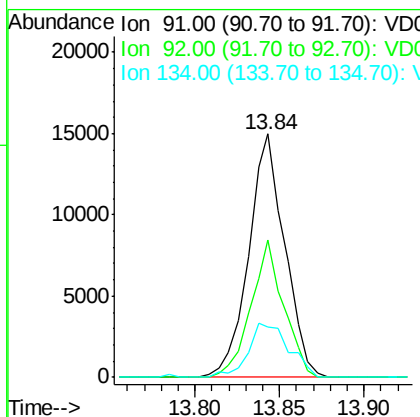
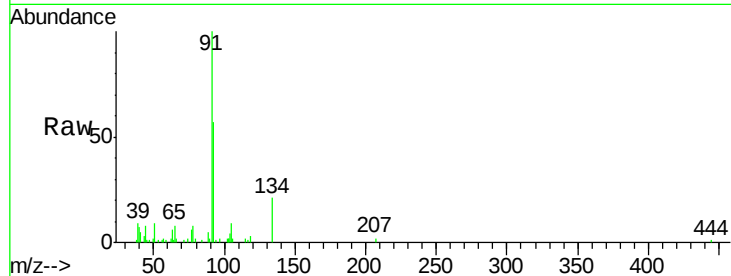
#89
n-Butylbenzene
Concen: 2.585 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.8	80.3
134	25.1	14.4	43.0

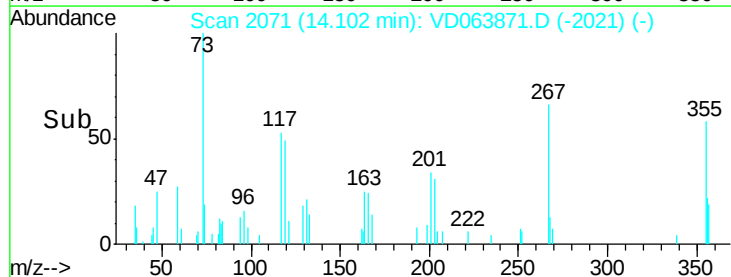
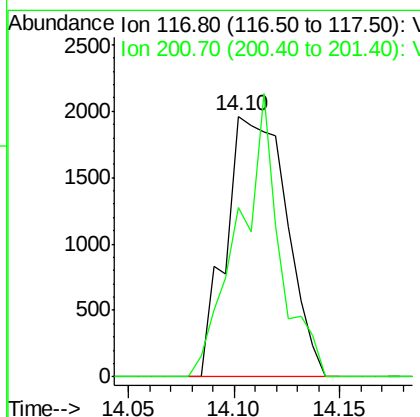
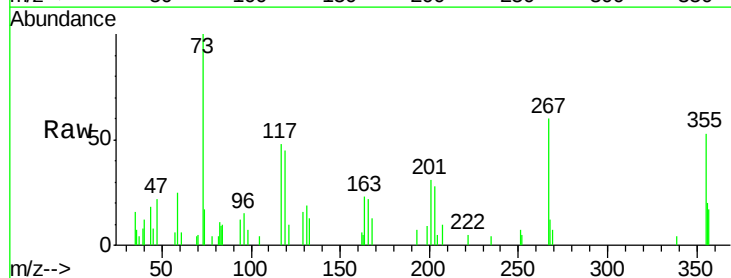
Manual Integrations
APPROVED

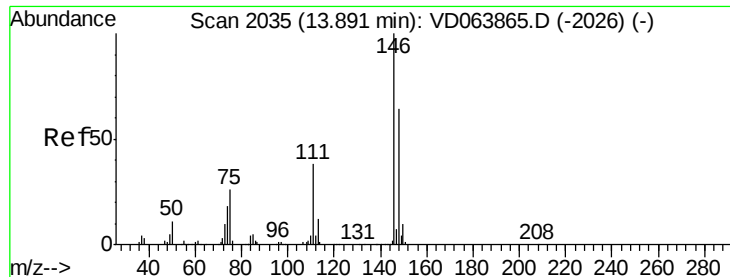
MMDadoda
10/4/2019 4:32:57 PM



#90
Hexachloroethane
Concen: 2.353 ug/l
RT: 14.10 min Scan# 2071
Delta R.T. -0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.6	40.6	121.7





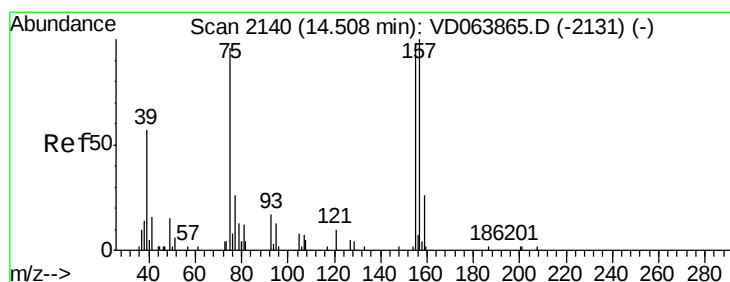
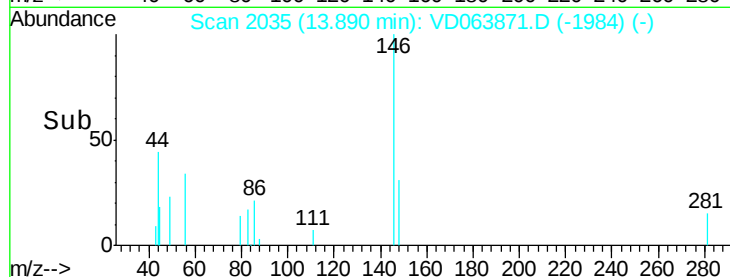
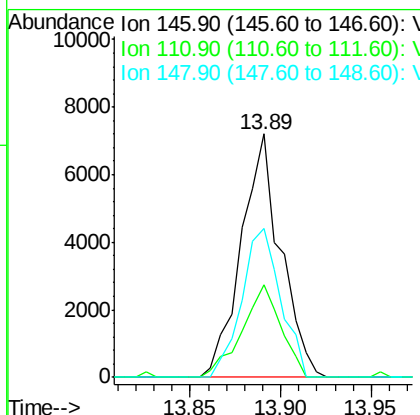
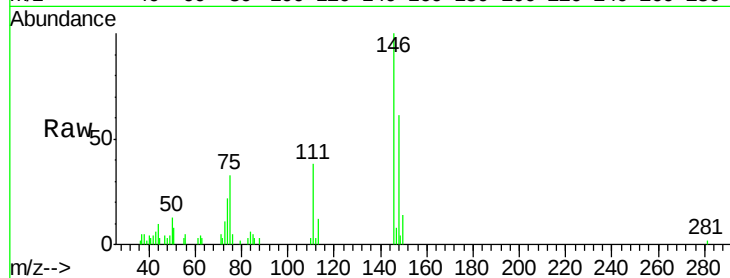
#91
 1,2-Dichlorobenzene
 Concen: 2.646 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Instrument :
 MSVOA_D
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.6
148	60.3	31.6	95.0

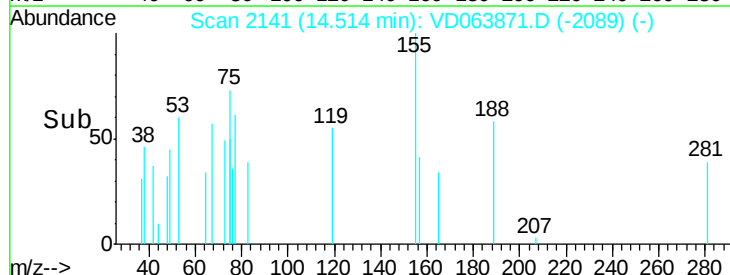
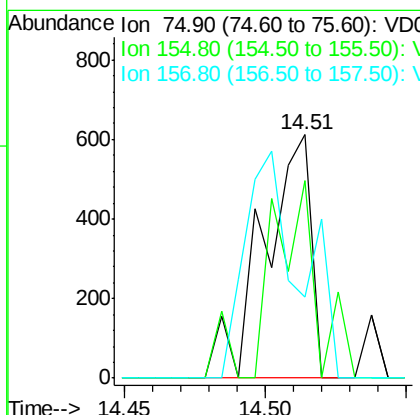
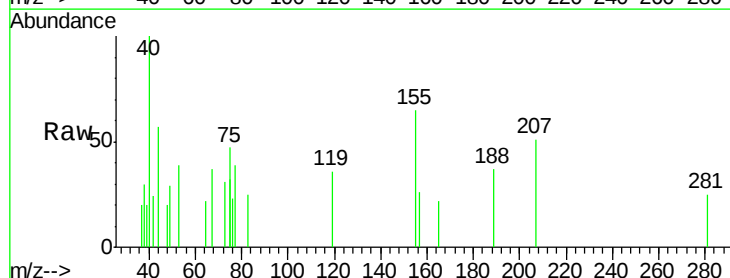
Manual Integrations
 APPROVED

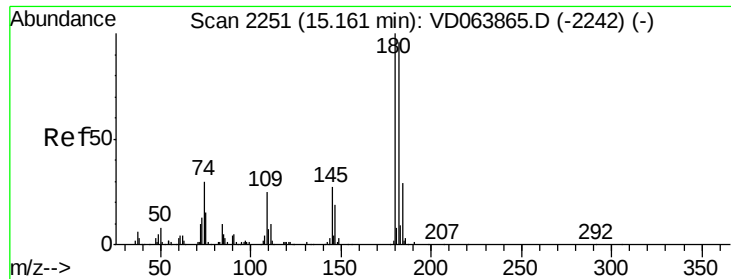
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.420 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	43.9	131.6
157	108.1	56.0	167.9





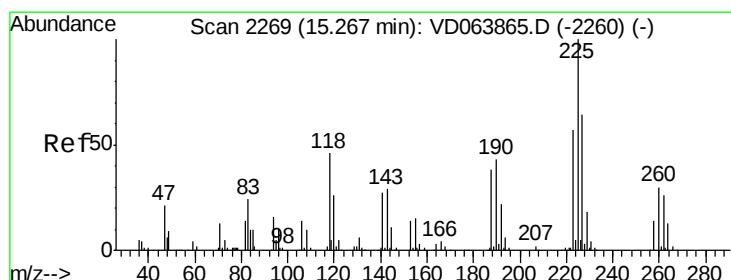
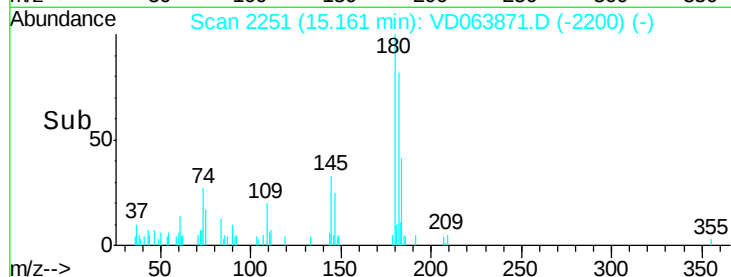
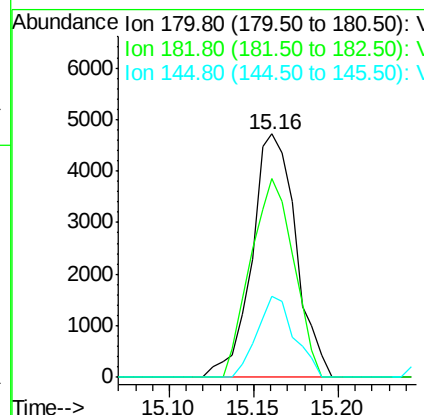
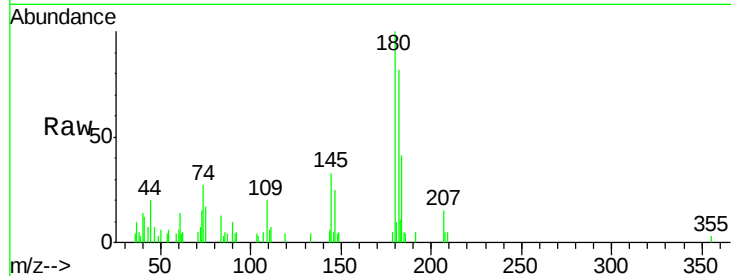
#93
 1,2,4-Trichlorobenzene
 Concen: 2.688 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.1	47.4	142.3
145	28.4	13.9	41.7

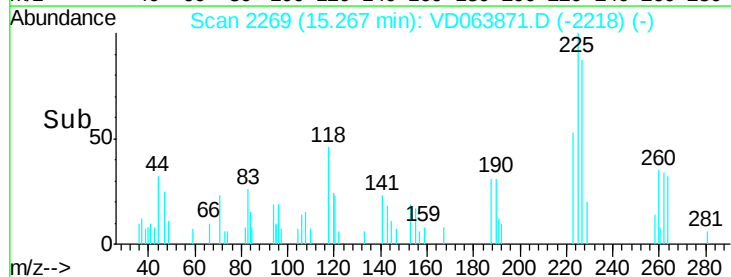
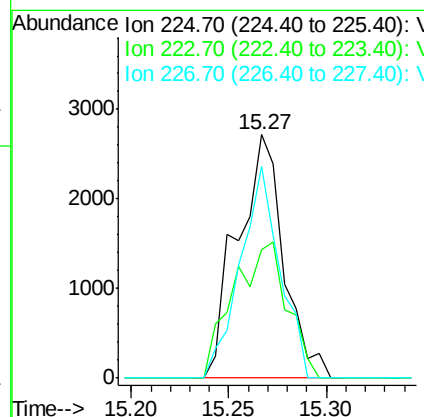
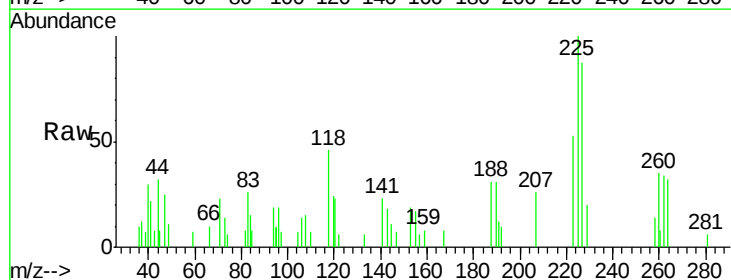
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 2.535 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063871.D
 Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	29.5	88.6
227	74.5	30.8	92.4





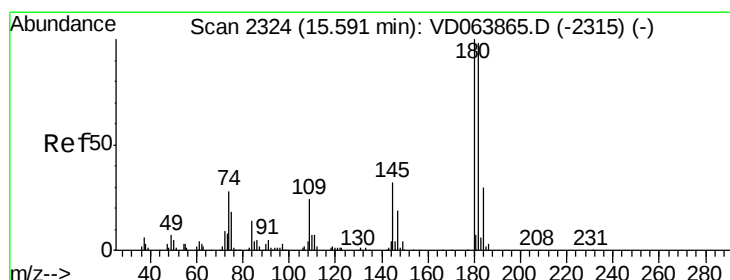
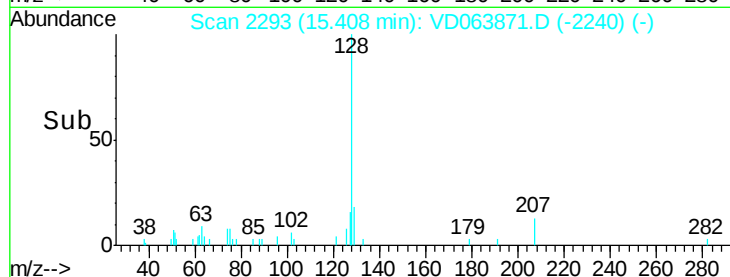
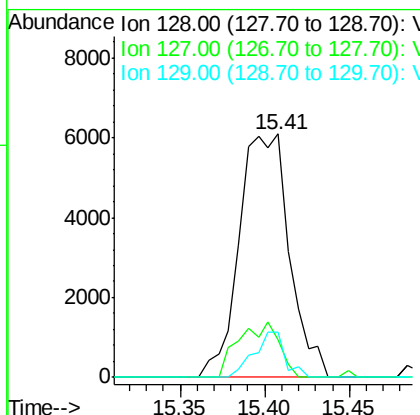
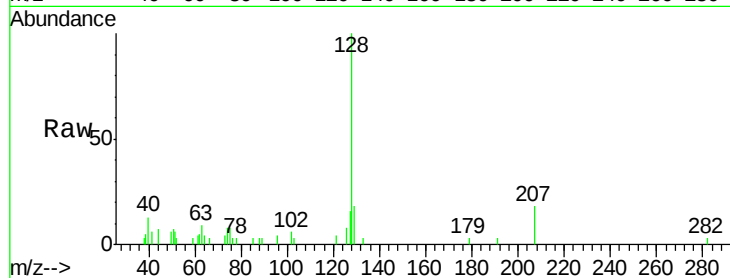
#95
Naphthalene
Concen: 2.347 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Instrument :
MSVOA_D
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.6	10.6	16.0#
129	11.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:32:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.221 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063871.D
Acq: 02 Oct 2019 20:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	105.5	47.0	141.0
145	40.0	15.3	45.9

