

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100319\
 Data File : VD063879.D
 Acq On : 03 Oct 2019 16:54
 Operator : VA/SY
 Sample : MDL05
 Misc : 5.00µ/5.00mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 4:31:30 PM

Quant Time: Oct 04 12:30:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 04 01:55:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	168987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	283333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	266722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	130143	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	97559	59.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.60%	
35) Dibromofluoromethane	7.92	113	93262	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
50) Toluene-d8	10.34	98	390154	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
62) 4-Bromofluorobenzene	12.63	95	117085	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	3291	2.746	ug/l	96
3) Chloromethane	2.21	50	11709	3.190	ug/l #	83
4) Vinyl Chloride	2.35	62	11845	3.058	ug/l #	85
5) Bromomethane	2.78	94	7432	2.985	ug/l	87
6) Chloroethane	2.92	64	8318	3.247	ug/l	95
7) Trichlorofluoromethane	3.27	101	14505	2.832	ug/l	89
8) Diethyl Ether	3.71	74	2599	3.162	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	4.10	101	4127m	2.911	ug/l	
10) Methyl Iodide	4.29	142	4523	2.316	ug/l #	95
11) Tert butyl alcohol	5.25	59	2429m	20.815	ug/l	
12) 1,1-Dichloroethene	4.07	96	3921	2.769	ug/l #	76
13) Acrolein	3.93	56	2748	18.701	ug/l #	60
14) Allyl chloride	4.73	41	6234	2.648	ug/l	88
15) Acrylonitrile	5.43	53	5393	14.882	ug/l #	82
16) Acetone	4.17	43	9125	21.303	ug/l #	86
17) Carbon Disulfide	4.40	76	14539	2.824	ug/l #	90
18) Methyl Acetate	4.74	43	3247m	3.876	ug/l	
19) Methyl tert-butyl Ether	5.50	73	10499	2.863	ug/l	97
20) Methylene Chloride	4.97	84	12345	5.616	ug/l #	86
21) trans-1,2-Dichloroethene	5.47	96	4912	2.786	ug/l #	79
22) Diisopropyl ether	6.37	45	15015	3.122	ug/l #	79
23) Vinyl Acetate	6.32	43	40261m	14.074	ug/l	
24) 1,1-Dichloroethane	6.26	63	8870	2.995	ug/l #	90
25) 2-Butanone	7.23	43	8987	17.704	ug/l	91
26) 2,2-Dichloropropane	7.20	77	8976	3.350	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	5927	2.970	ug/l	92
28) Bromochloromethane	7.56	49	3769	3.396	ug/l #	11
29) Tetrahydrofuran	7.57	42	4324m	14.594	ug/l	
30) Chloroform	7.72	83	10107	3.142	ug/l #	75
31) Cyclohexane	7.98	56	11271	4.058	ug/l #	80
32) 1,1,1-Trichloroethane	7.91	97	8303	3.009	ug/l	90
36) 1,1-Dichloropropene	8.11	75	7532	2.907	ug/l	98
37) Ethyl Acetate	7.31	43	4850	4.125	ug/l #	89
38) Carbon Tetrachloride	8.09	117	6605	2.523	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	8869	2.784	ug/l	87
40) Benzene	8.36	78	20706	2.789	ug/l	92
41) Methacrylonitrile	7.53	41	1979	3.295	ug/l #	85
42) 1,2-Dichloroethane	8.44	62	6647	3.095	ug/l	99
43) Isopropyl Acetate	8.46	43	6322	2.910	ug/l #	93
44) Trichloroethene	9.11	130	6307	2.946	ug/l	93
45) 1,2-Dichloropropane	9.40	63	5018	2.762	ug/l #	65
46) Dibromomethane	9.48	93	2873	2.776	ug/l	89
47) Bromodichloromethane	9.66	83	7071	2.654	ug/l	97
48) Methyl methacrylate	9.46	41	2683	2.577	ug/l #	82
49) 1,4-Dioxane	9.47	88	722	51.112	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	15574	13.822	ug/l	93
52) Toluene	10.40	92	13937	2.735	ug/l	91
53) t-1,3-Dichloropropene	10.62	75	6246	2.402	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	8128	2.716	ug/l #	67
55) 1,1,2-Trichloroethane	10.81	97	4701	3.217	ug/l #	77
56) Ethyl methacrylate	10.66	69	4815	2.602	ug/l #	82
57) 1,3-Dichloropropane	10.95	76	6608	2.643	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.94	63	9965	12.529	ug/l	98
59) 2-Hexanone	10.98	43	9959	12.219	ug/l	98
60) Dibromochloromethane	11.14	129	4875	2.563	ug/l	95
61) 1,2-Dibromoethane	11.24	107	3907	2.758	ug/l	97
64) Tetrachloroethene	10.87	164	4919	2.701	ug/l #	76
65) Chlorobenzene	11.67	112	14413	2.691	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.74	131	4910	2.488	ug/l	98
67) Ethyl Benzene	11.74	91	24917	2.580	ug/l #	85
68) m/p-Xylenes	11.86	106	18249	4.895	ug/l	91
69) o-Xylene	12.18	106	9099	2.549	ug/l	94
70) Styrene	12.20	104	14760	2.442	ug/l	97
71) Bromoform	12.37	173	2835	2.676	ug/l #	84
73) Isopropylbenzene	12.48	105	22756	2.601	ug/l	99
74) N-amyl acetate	12.28	43	5542	2.942	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.73	83	4978	3.270	ug/l	84
76) 1,2,3-Trichloropropane	12.79	75	2498m	2.866	ug/l	
77) Bromobenzene	12.76	156	5787	2.655	ug/l	81
78) n-propylbenzene	12.82	91	28415	2.767	ug/l	98
79) 2-Chlorotoluene	12.90	91	15540	2.744	ug/l	94
80) 1,3,5-Trimethylbenzene	12.96	105	17484	2.395	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.53	75	1184m	2.404	ug/l	
82) 4-Chlorotoluene	13.00	91	16017	2.666	ug/l	99
83) tert-Butylbenzene	13.23	119	16516	2.543	ug/l	92
84) 1,2,4-Trimethylbenzene	13.27	105	20298	2.698	ug/l	96
85) sec-Butylbenzene	13.40	105	22844	2.604	ug/l	98
86) p-Isopropyltoluene	13.51	119	19945	2.403	ug/l	95
87) 1,3-Dichlorobenzene	13.52	146	12596	2.925	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	11710	2.756	ug/l	86
89) n-Butylbenzene	13.84	91	22031	2.851	ug/l	98
90) Hexachloroethane	14.11	117	3917	2.624	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	10092	2.719	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.50	75	676	2.567	ug/l #	24

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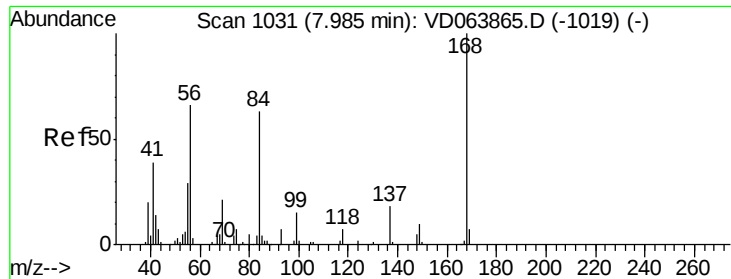
Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:30 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	7821	2.731	ug/l	95
94) Hexachlorobutadiene	15.27	225	3671	2.323	ug/l	68
95) Naphthalene	15.40	128	12331	2.562	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.59	180	6832	2.765	ug/l	92

(#) = 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: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

Tot Ion:168 Resp: 168987

Ion Ratio Lower Upper

168 100

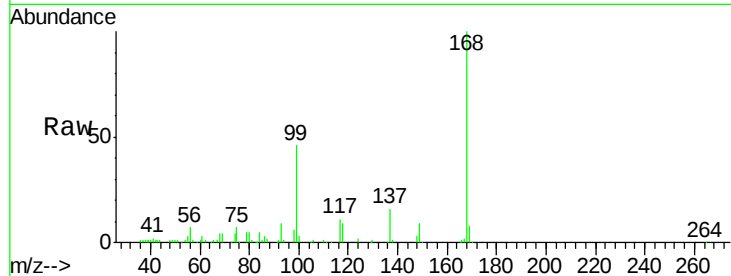
99 46.0 43.0 64.4

Manual Integrations

APPROVED

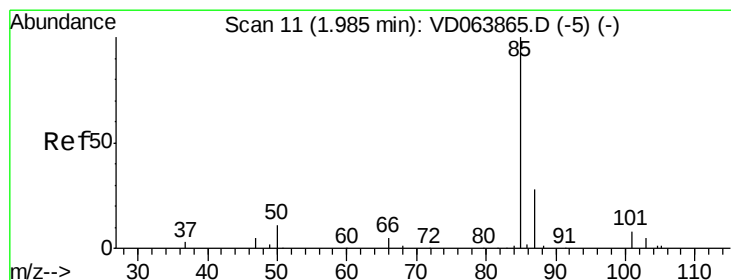
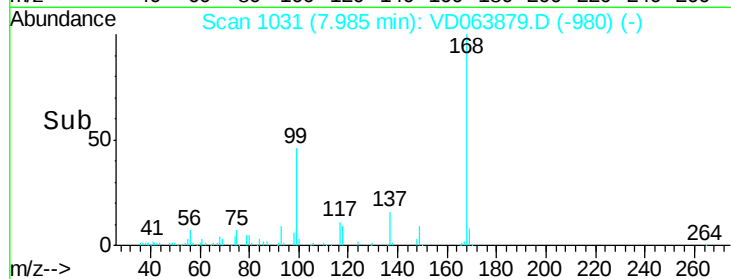
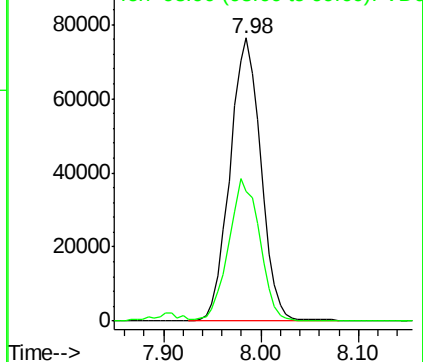
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 2.746 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063879.D

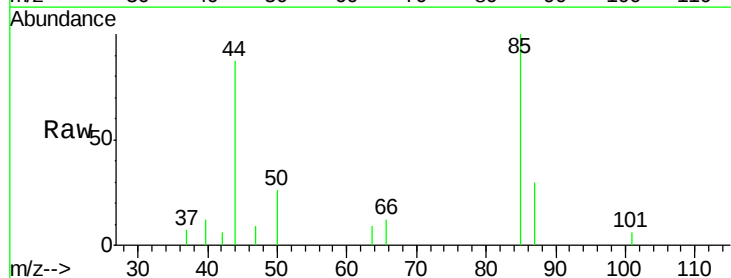
Acq: 03 Oct 2019 16:54

Tgt Ion: 85 Resp: 3291

Ion Ratio Lower Upper

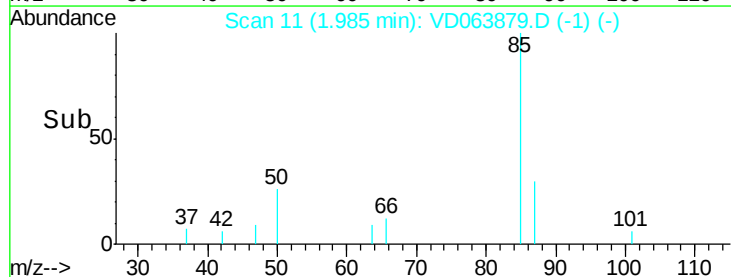
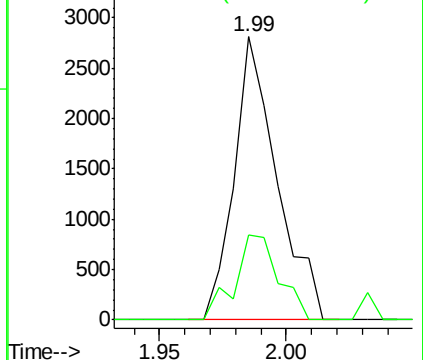
85 100

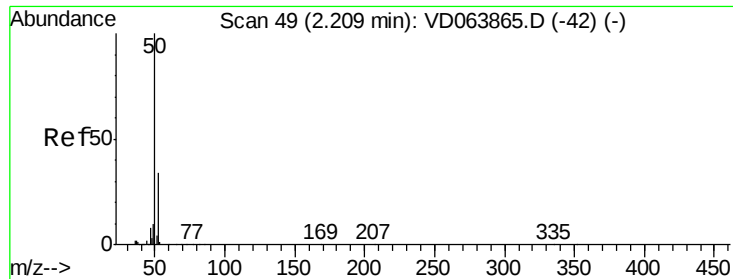
87 30.2 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 3.190 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

Tot Ion: 50 Resp: 11709

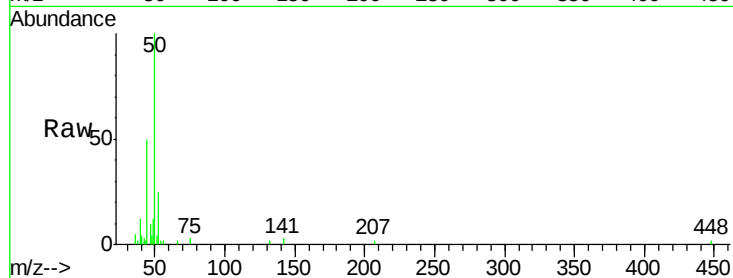
Ion Ratio Lower Upper

50 100

52 24.7 27.5 41.3#

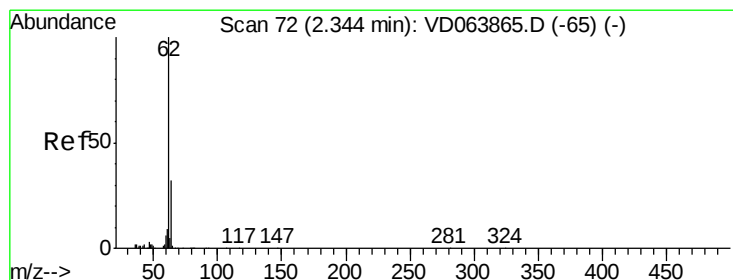
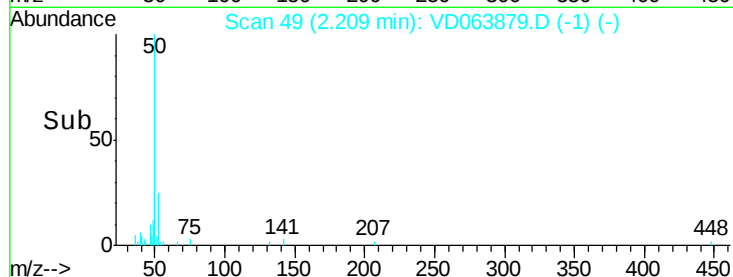
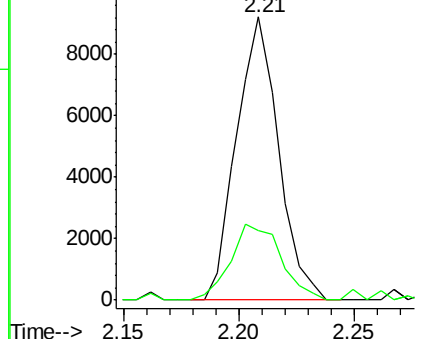
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 3.058 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063879.D

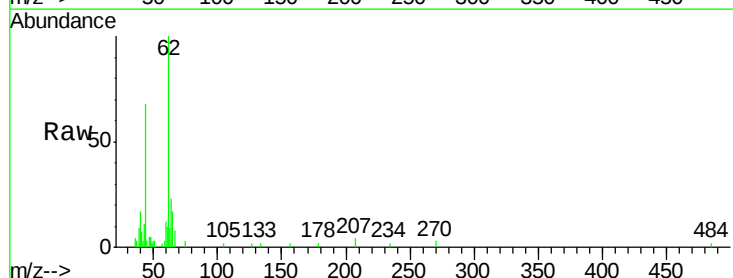
Acq: 03 Oct 2019 16:54

Tgt Ion: 62 Resp: 11845

Ion Ratio Lower Upper

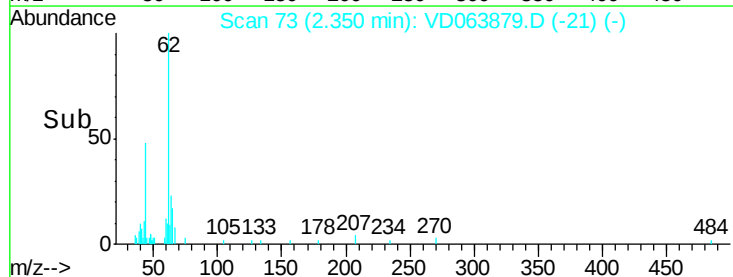
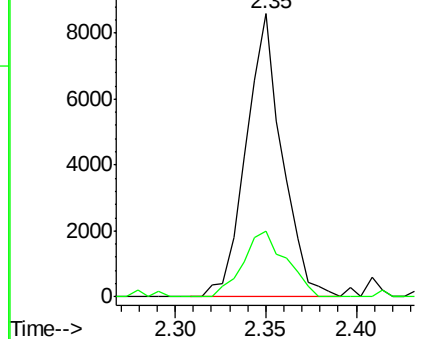
62 100

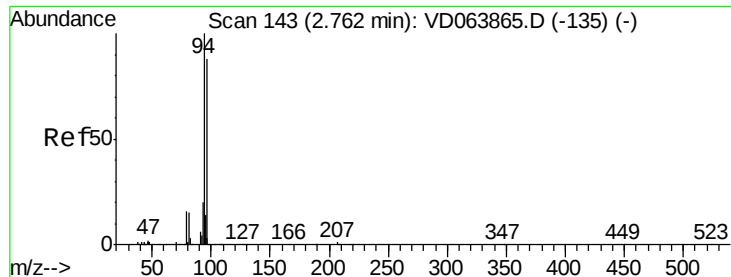
64 23.1 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 2.985 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.02 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

Tot Ion: 94 Resp: 7432

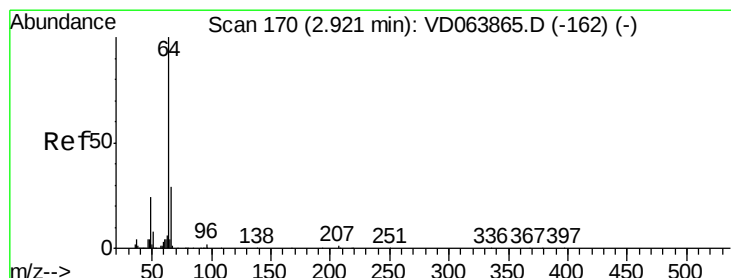
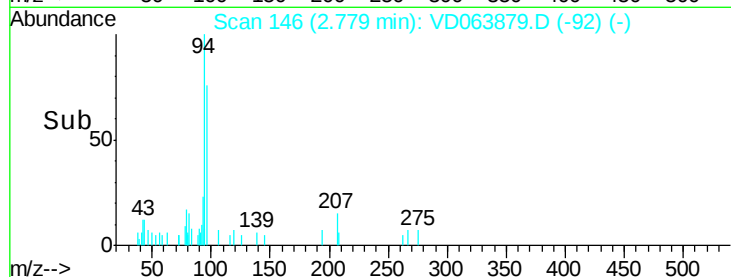
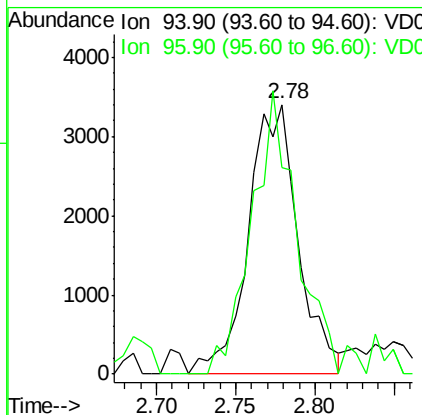
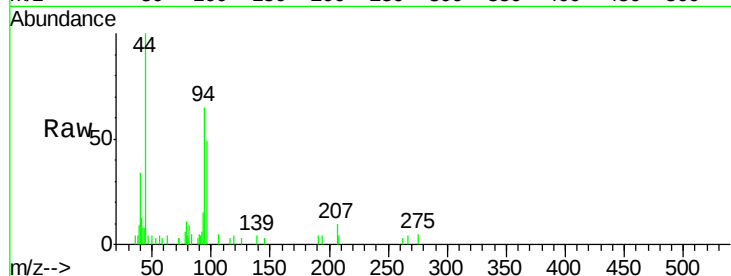
Ion Ratio Lower Upper

94 100

96 76.5 70.8 106.2

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#6

Chloroethane

Concen: 3.247 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063879.D

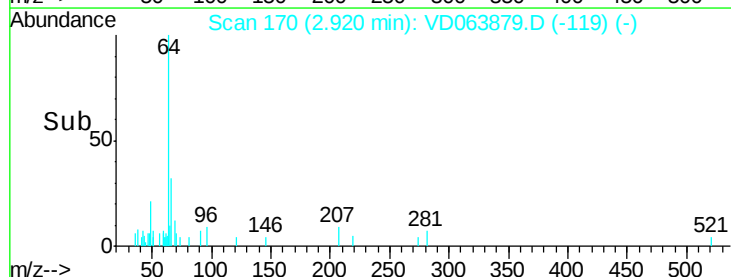
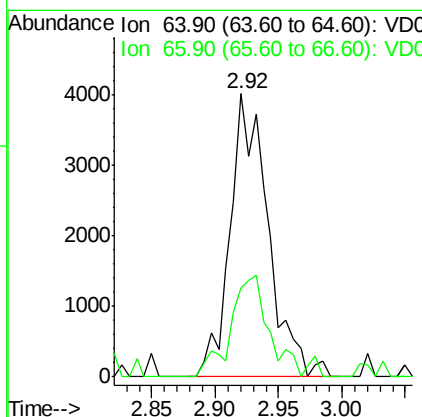
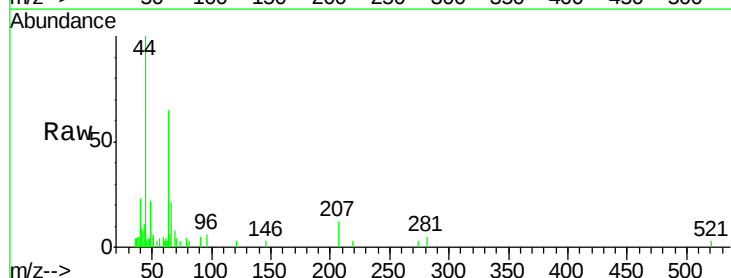
Acq: 03 Oct 2019 16:54

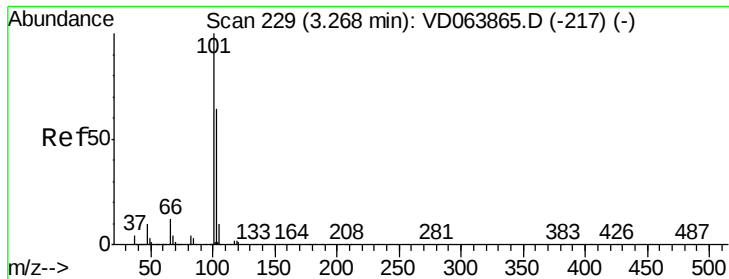
Tgt Ion: 64 Resp: 8318

Ion Ratio Lower Upper

64 100

66 31.5 23.0 34.4





#7

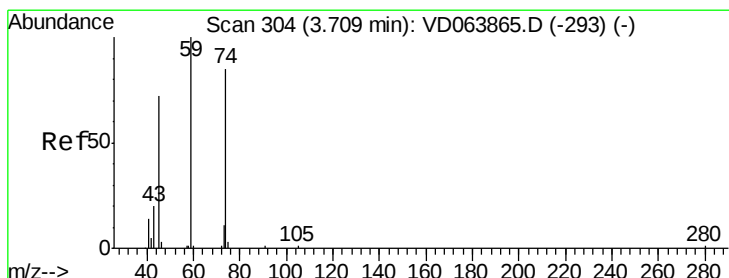
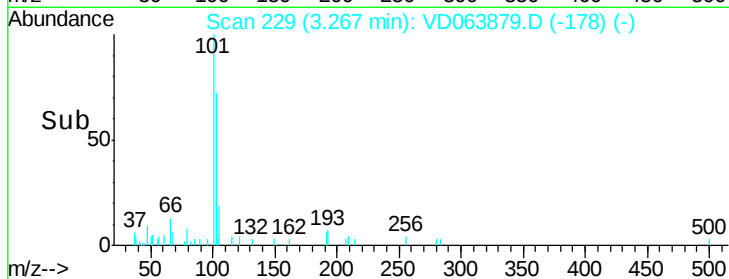
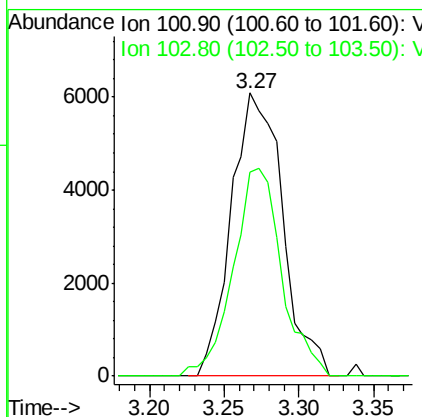
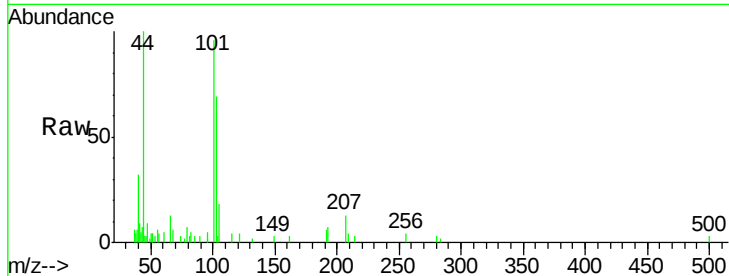
Trichlorofluoromethane
Concen: 2.832 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

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MDL05

Tot Ion	Ratio	Lower	Upper
101	100		
103	72.1	51.1	76.7

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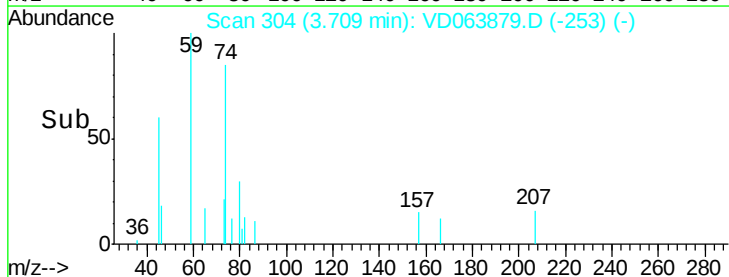
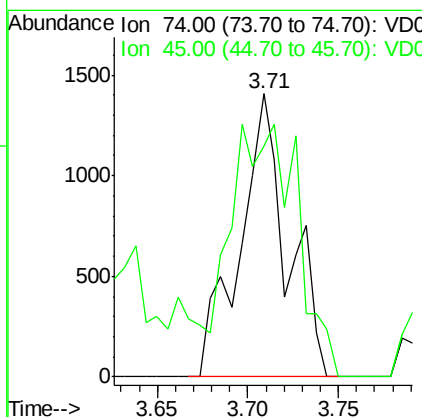
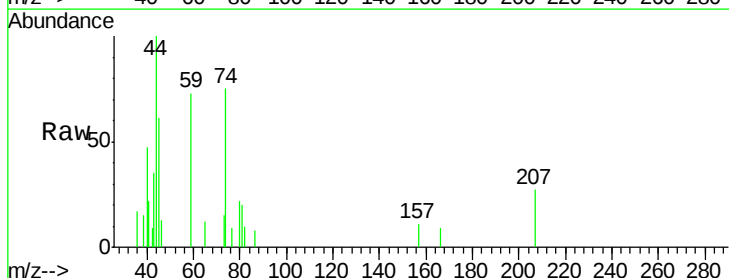
MMDadoda
10/4/2019 4:31:30 PM

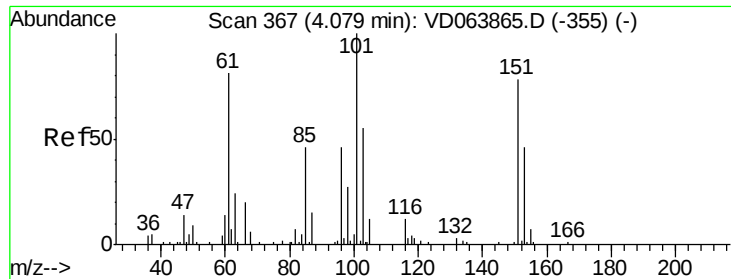


#8

Diethyl Ether
Concen: 3.162 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.7	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.911 ug/l m

RT: 4.10 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

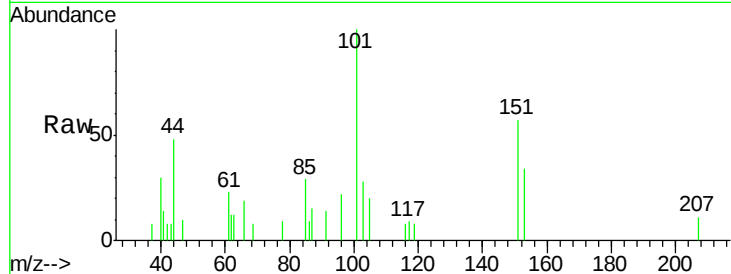
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MDL05

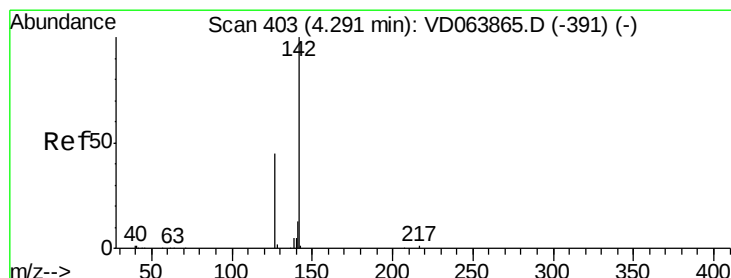
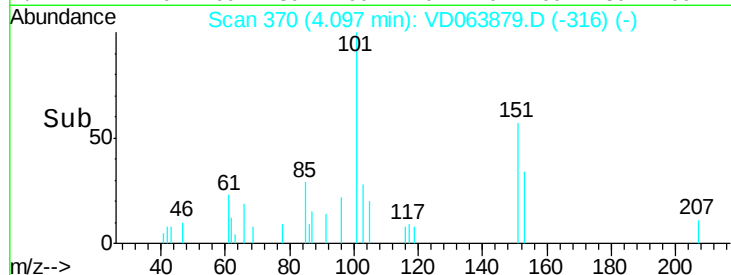
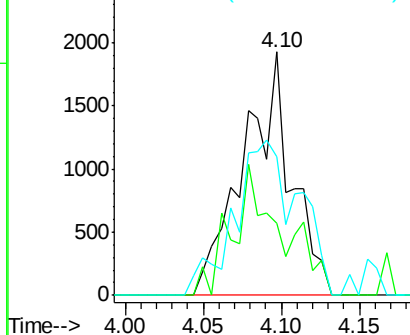
Tot Ion:	101	Resp:	4127
Ion Ratio	Lower	Upper	
101	100		
85	42.1	37.5	56.3
151	84.5	65.5	98.3

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



#10

Methyl Iodide

Concen: 2.316 ug/l

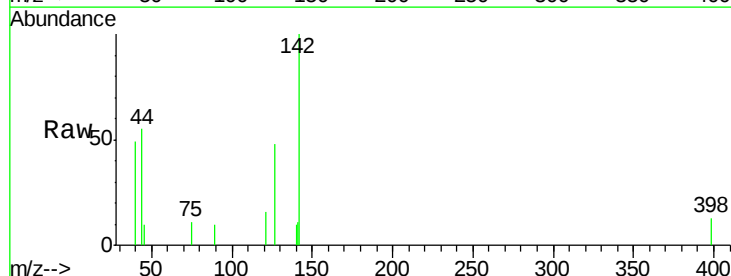
RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

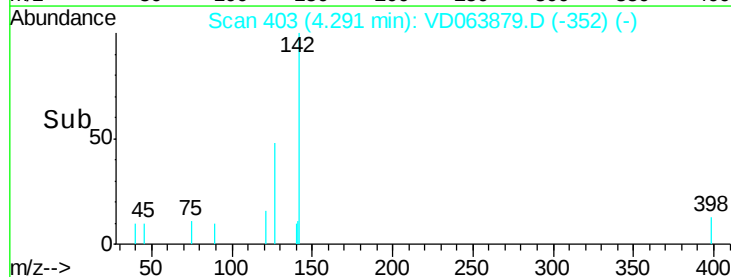
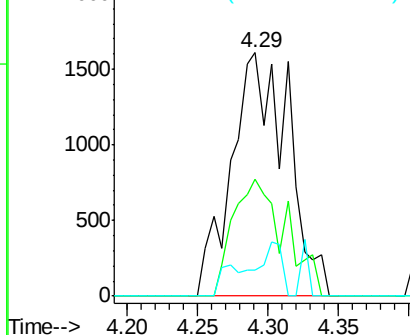
Lab File: VD063879.D

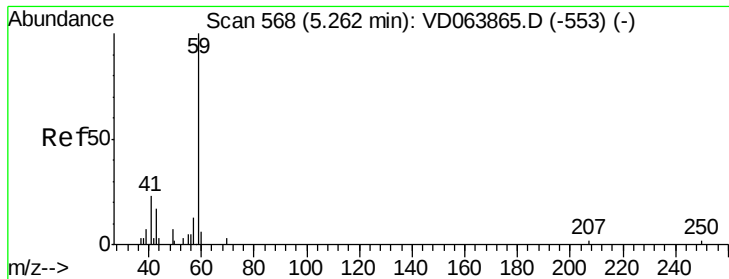
Acq: 03 Oct 2019 16:54

Tgt Ion:	142	Resp:	4523
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.3	52.9
141	7.1	12.2	18.2#



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





#11

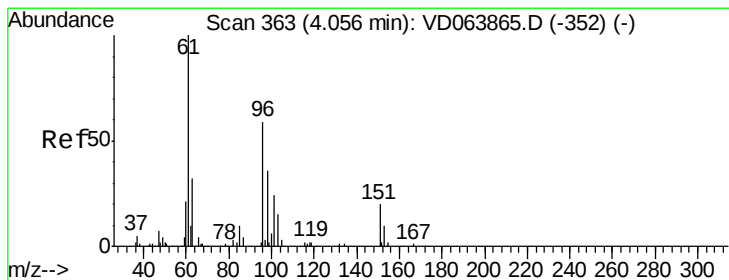
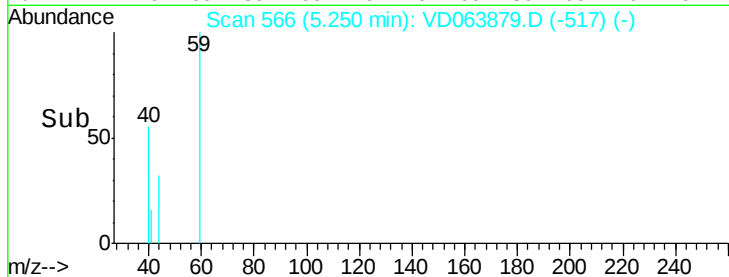
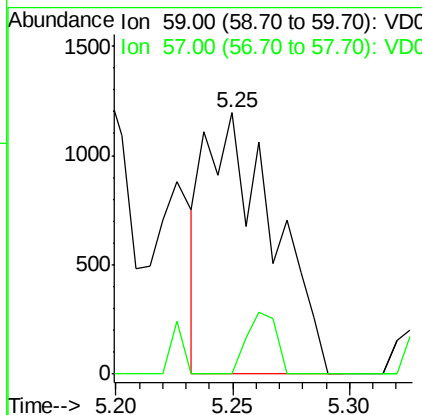
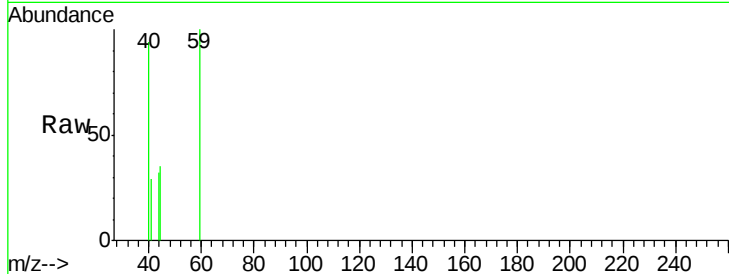
Tert butyl alcohol
 Concen: 20.815 ug/l m
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Instrument :
 MSVOA_D
 ClientSampled :
 MDL05

Tot Ion: 59 Resp: 2429
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.8 13.2

Manual Integrations
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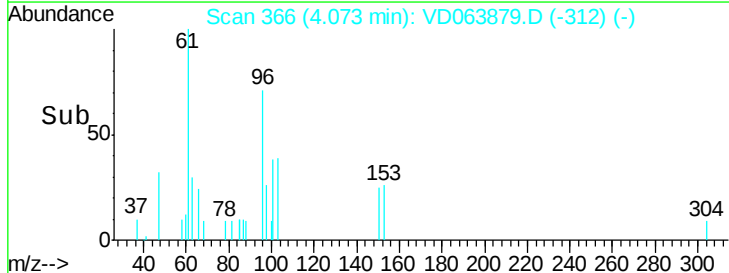
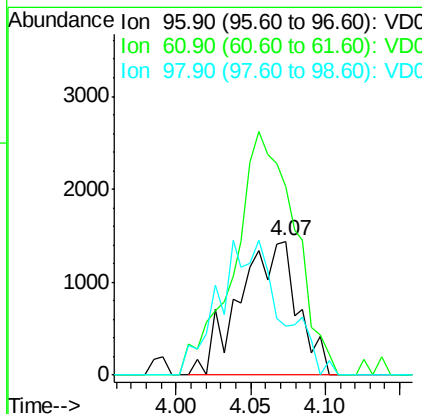
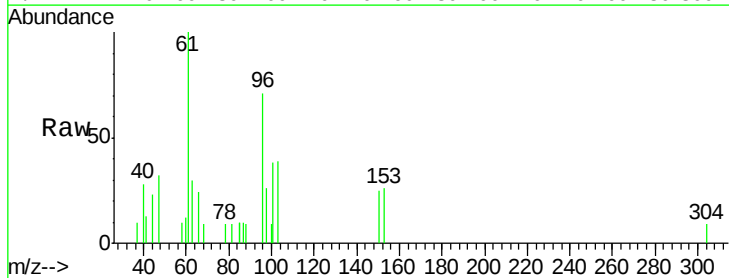
MMDadoda
 10/4/2019 4:31:30 PM

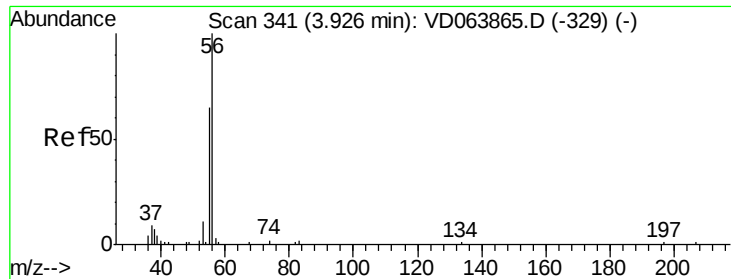


#12

1,1-Dichloroethene
 Concen: 2.769 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion: 96 Resp: 3921
 Ion Ratio Lower Upper
 96 100
 61 141.2 135.6 203.4
 98 36.3 49.2 73.8#





#13

Acrolein

Concen: 18.701 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

Tot Ion: 56 Resp: 2748

Ion Ratio Lower Upper

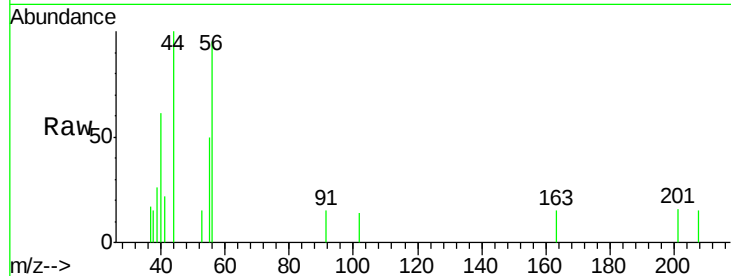
56 100

55 34.3 53.0 79.6#

Manual Integrations
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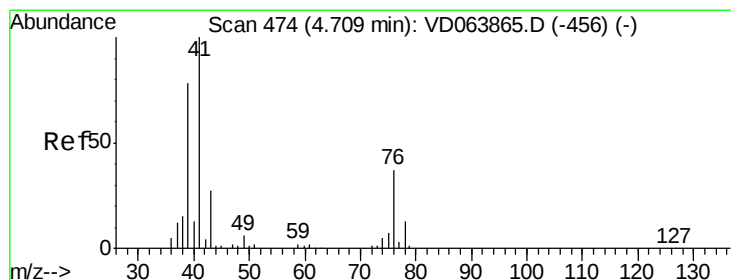
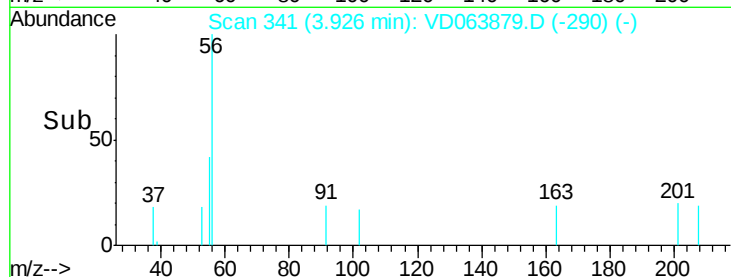
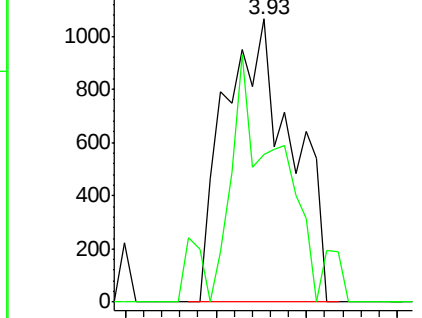
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 2.648 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.02 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

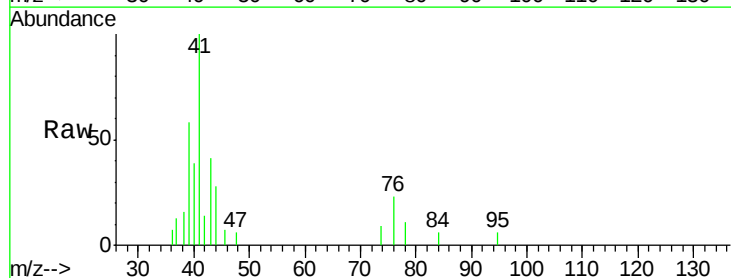
Tgt Ion: 41 Resp: 6234

Ion Ratio Lower Upper

41 100

39 92.5 61.8 92.6

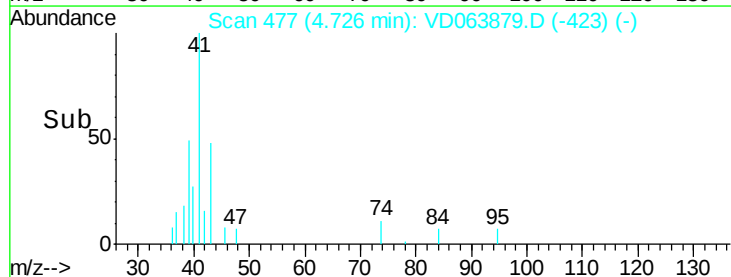
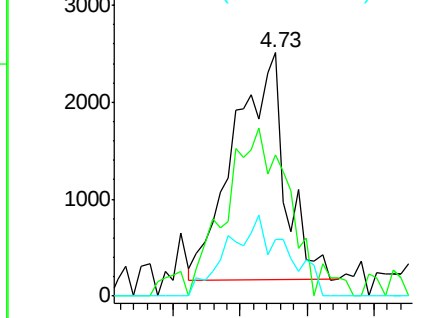
76 40.4 31.3 46.9

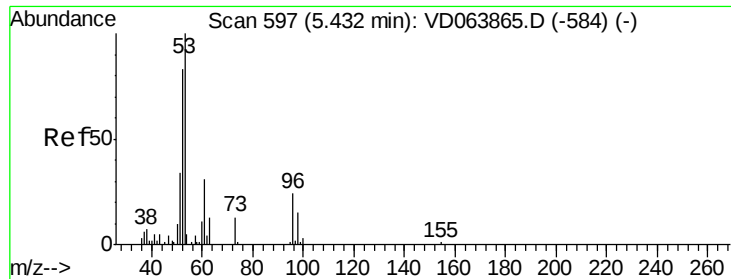


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 14.882 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

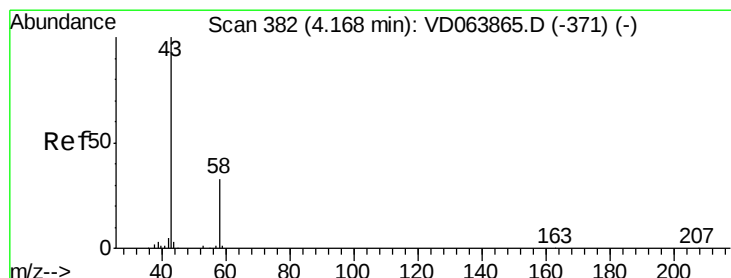
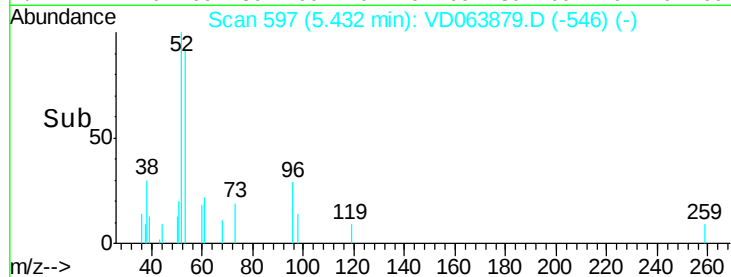
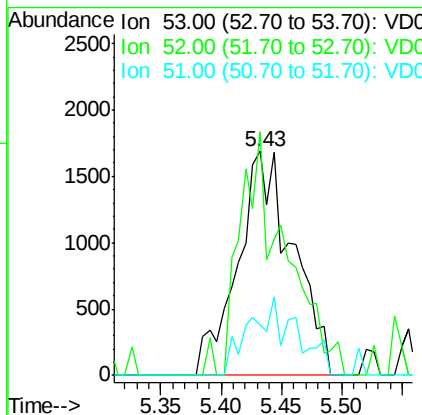
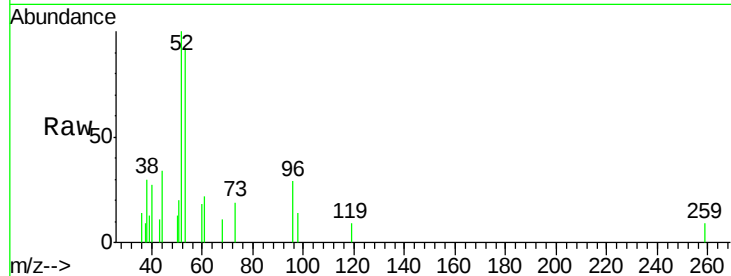
ClientSampleId :

MDL05

Tot Ion:	53	Resp:	5393
Ion	Ratio	Lower	Upper
53	100		
52	90.9	67.3	100.9
51	13.0	30.5	45.7#

Manual Integrations
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#16

Acetone

Concen: 21.303 ug/l

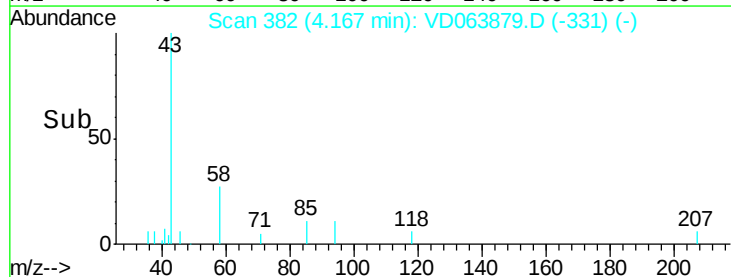
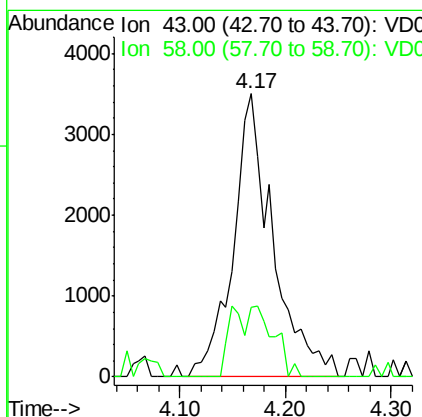
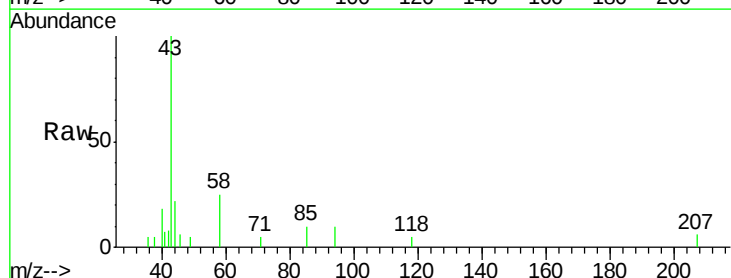
RT: 4.17 min Scan# 382

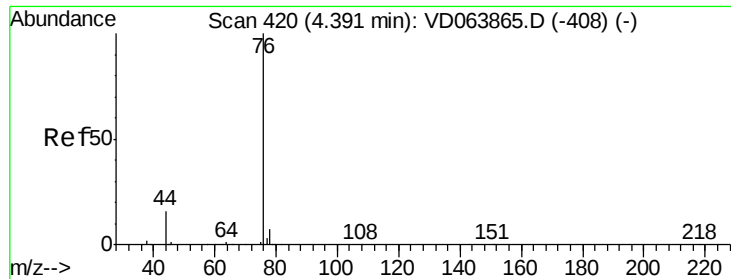
Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Tgt Ion:	43	Resp:	9125
Ion	Ratio	Lower	Upper
43	100		
58	24.8	26.2	39.4#





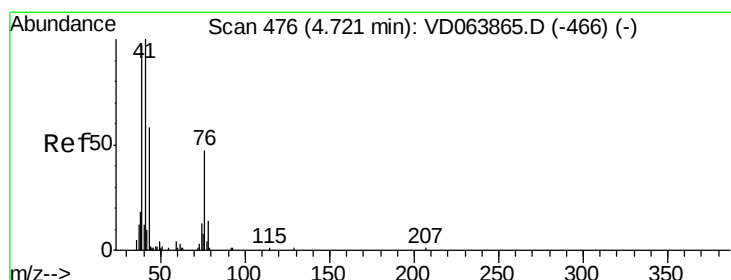
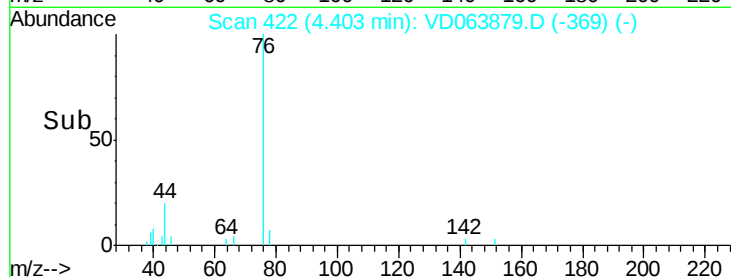
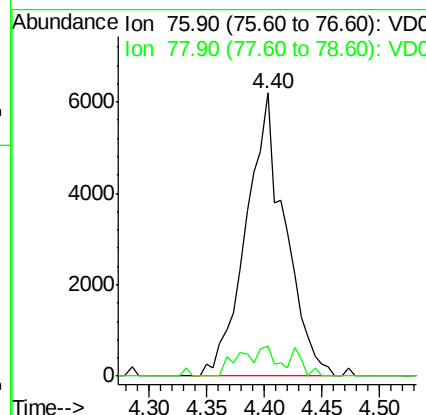
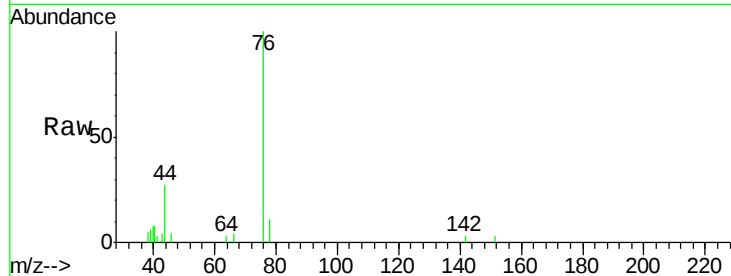
#17
Carbon Disulfide
Concen: 2.824 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.7	5.8	8.8#

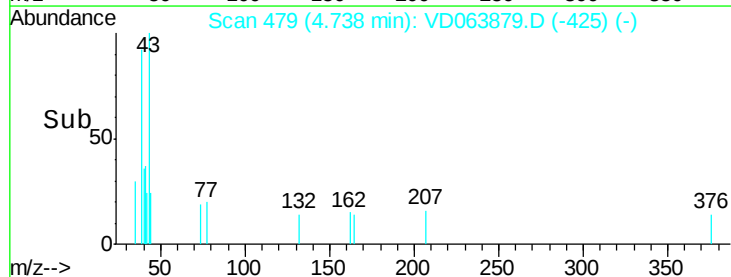
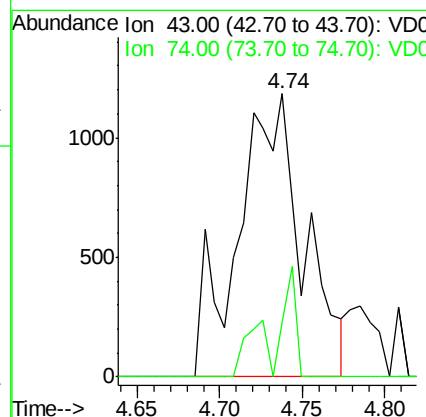
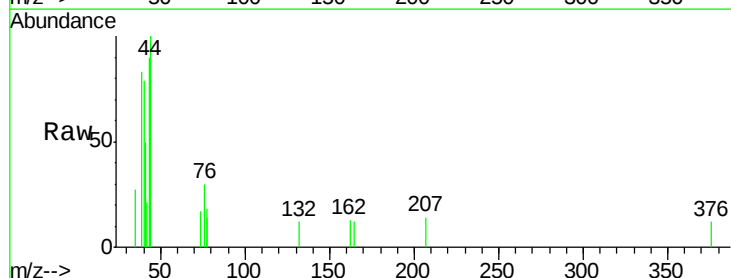
Manual Integrations
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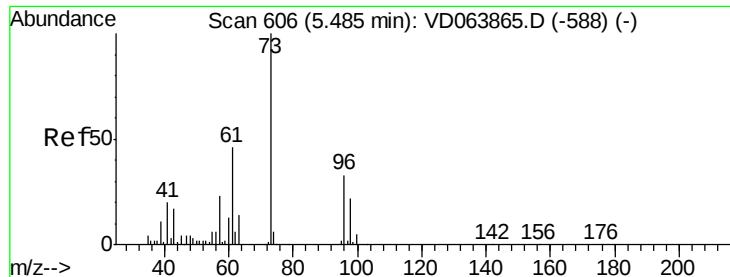
MMDadoda
10/4/2019 4:31:30 PM



#18
Methyl Acetate
Concen: 3.876 ug/l m
RT: 4.74 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	7.5	20.8	31.2#





#19

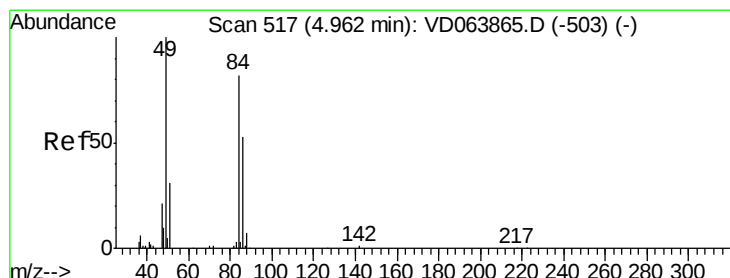
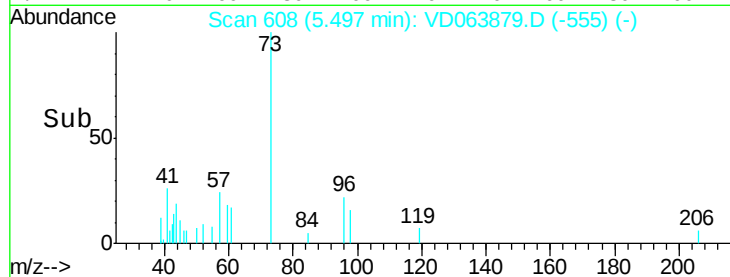
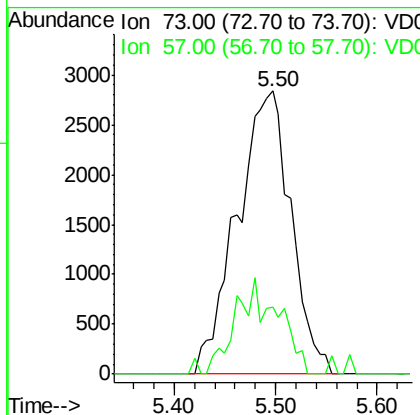
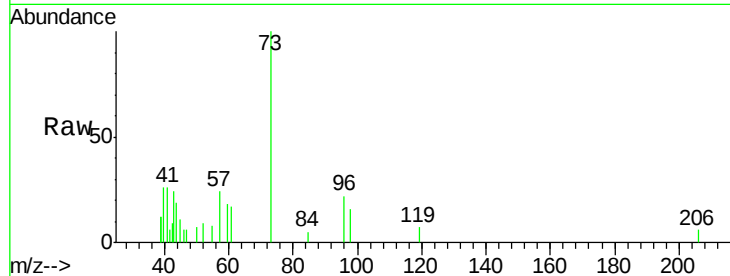
Methyl tert-butyl Ether
 Concen: 2.863 ug/l
 RT: 5.50 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Instrument :
 MSVOA_D
 ClientSampled :
 MDL05

Tot Ion	73	Resp	10499
Ion Ratio	Lower	Upper	
73	100		
57	23.9	18.1	27.1

Manual Integrations
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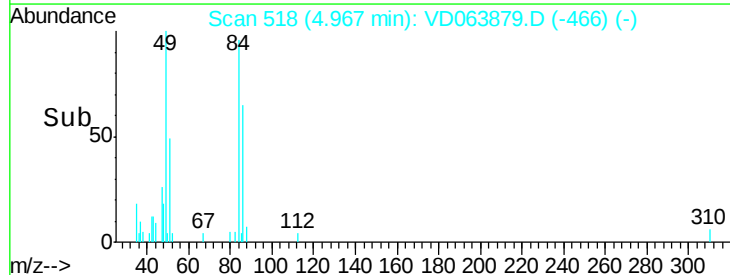
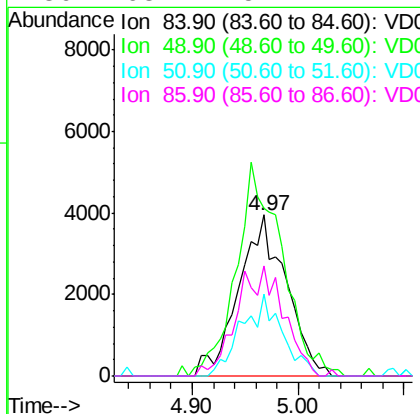
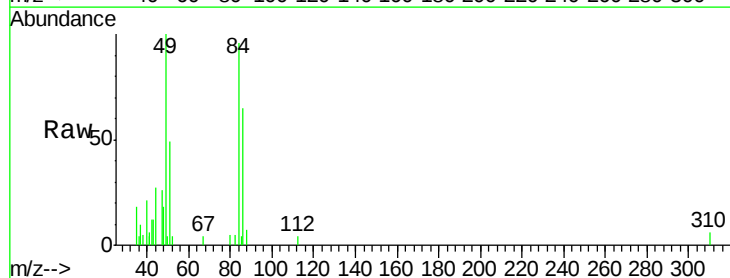
MMDadoda
 10/4/2019 4:31:30 PM

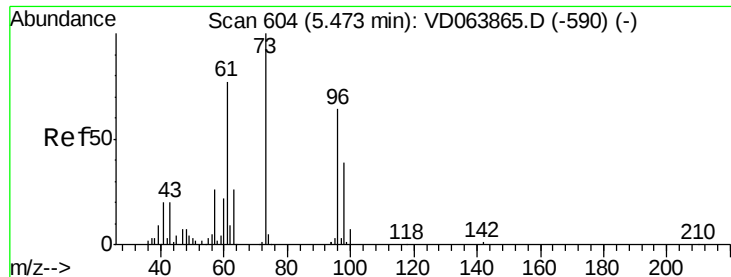


#20

Methylene Chloride
 Concen: 5.616 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion	84	Resp	12345
Ion Ratio	Lower	Upper	
84	100		
49	104.2	97.3	145.9
51	51.2	30.1	45.1
86	68.2	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 2.786 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

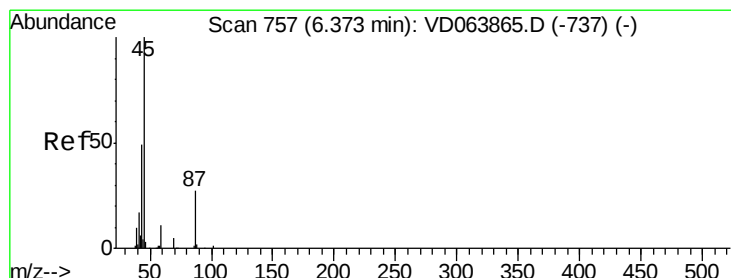
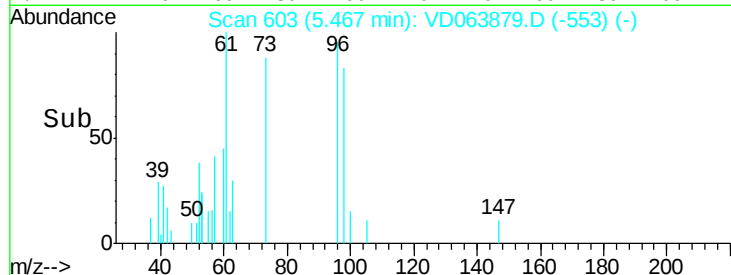
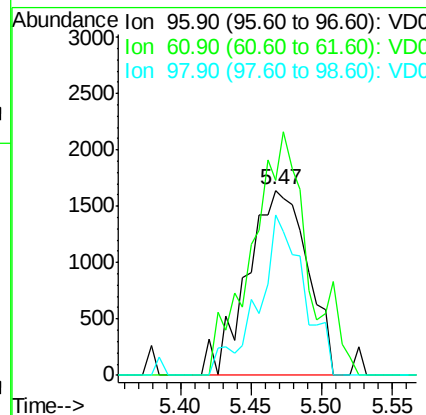
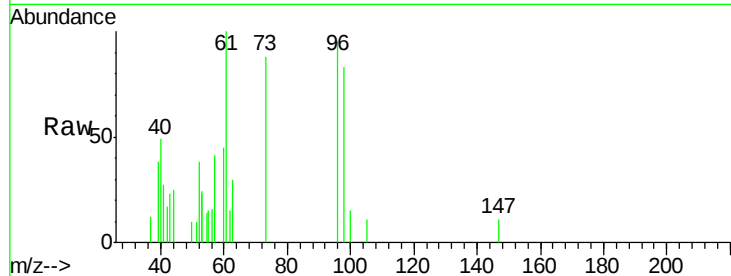
ClientSampleId :

MDL05

Tot Ion:	96	Resp:	4912
Ion	Ratio	Lower	Upper
96	100		
61	105.1	96.6	145.0
98	86.7	48.7	73.1#

Manual Integrations
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#22

Diisopropyl ether

Concen: 3.122 ug/l

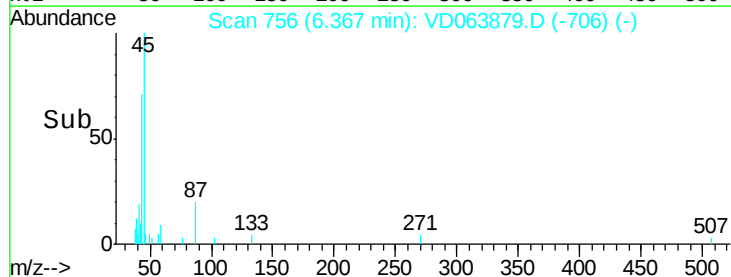
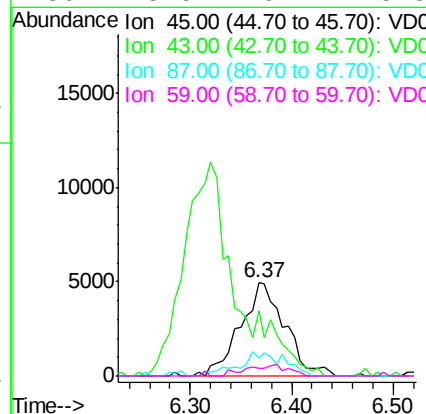
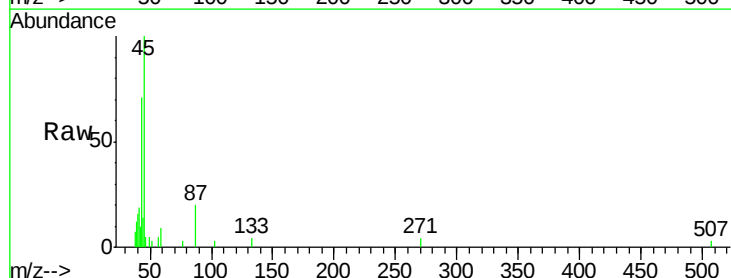
RT: 6.37 min Scan# 756

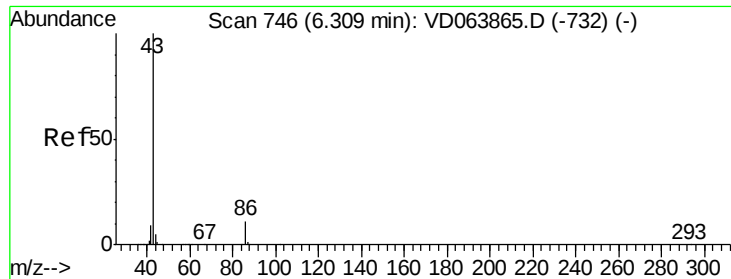
Delta R.T. -0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Tgt Ion:	45	Resp:	15015
Ion	Ratio	Lower	Upper
45	100		
43	70.8	41.2	61.8#
87	19.6	22.2	33.4#
59	8.5	9.2	13.8#





#23

Vinyl Acetate

Concen: 14.074 ug/l m

RT: 6.32 min Scan# 748

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 40261

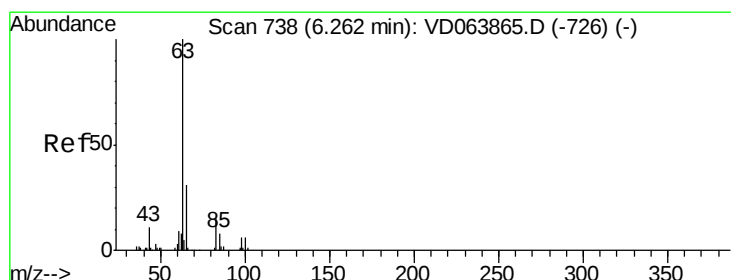
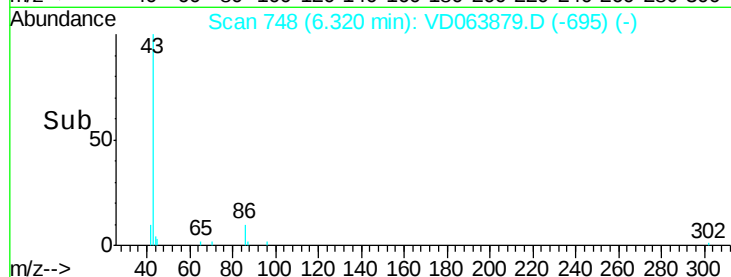
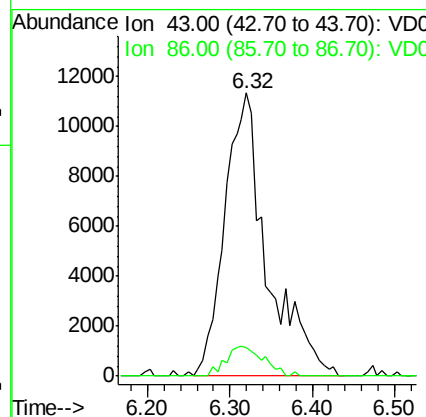
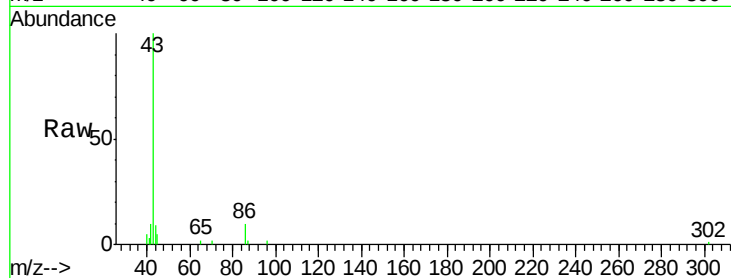
Ion Ratio Lower Upper

43 100

86 10.2 8.8 13.2

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 2.995 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

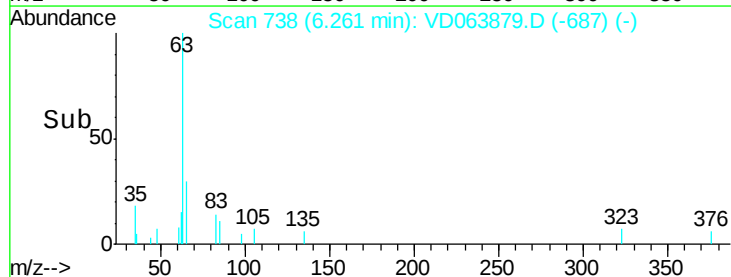
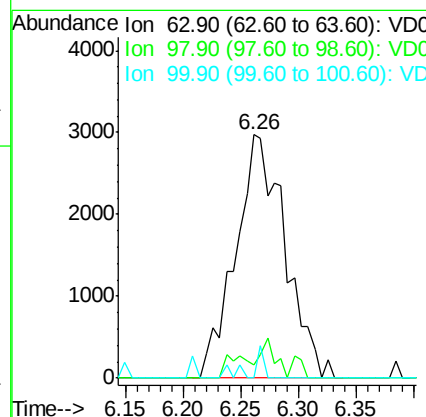
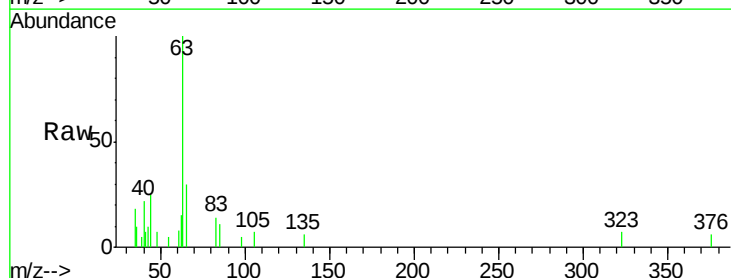
Tgt Ion: 63 Resp: 8870

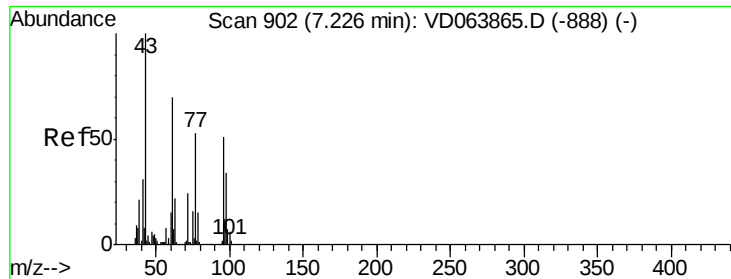
Ion Ratio Lower Upper

63 100

98 5.4 3.1 9.4

100 0.0 3.0 9.2#





#25

2-Butanone

Concen: 17.704 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 8987

Ion Ratio Lower Upper

43 100

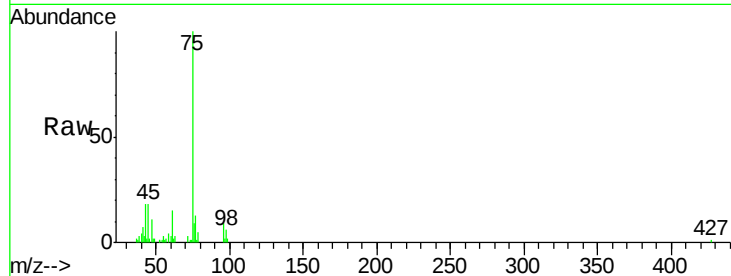
72 19.6 19.2 28.8

Manual Integrations

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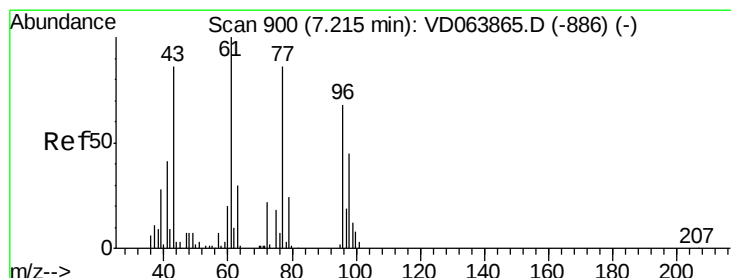
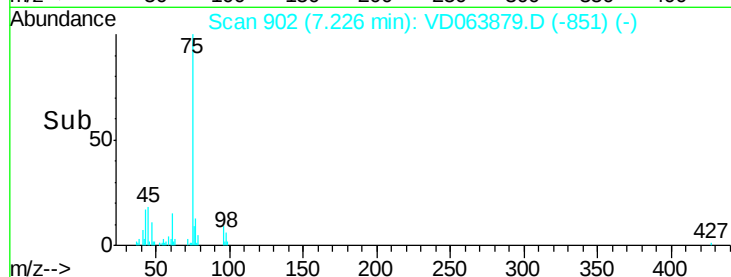
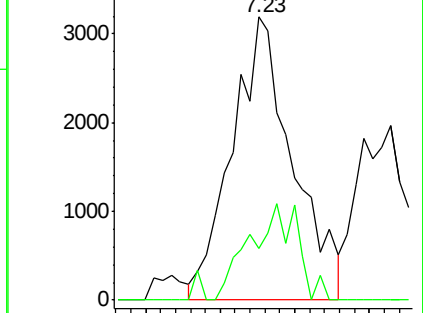
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 3.350 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD063879.D

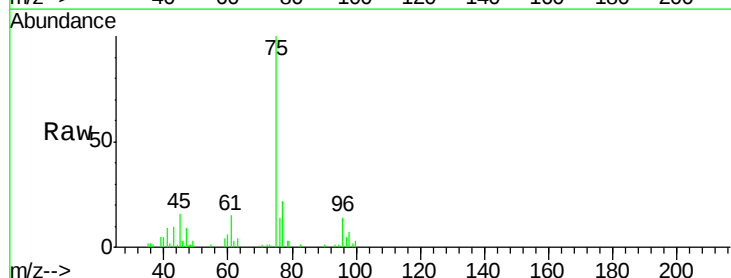
Acq: 03 Oct 2019 16:54

Tgt Ion: 77 Resp: 8976

Ion Ratio Lower Upper

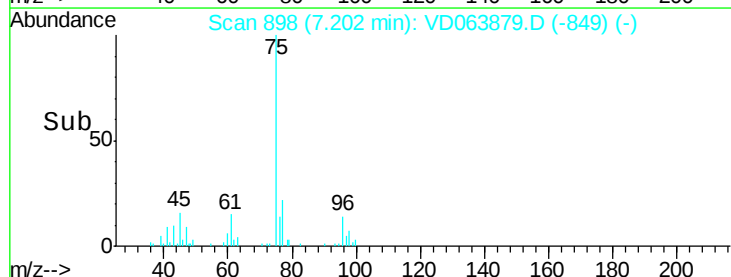
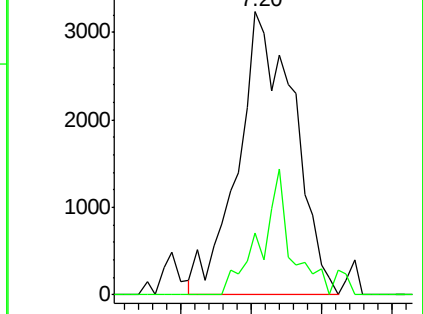
77 100

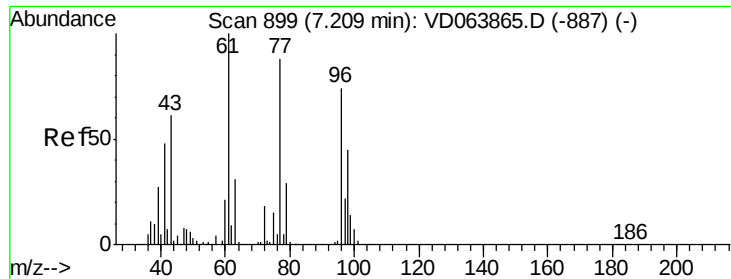
97 24.2 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

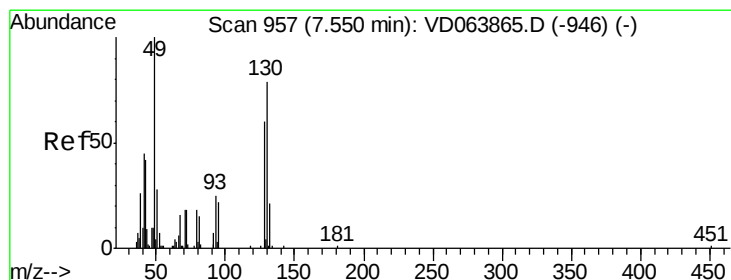
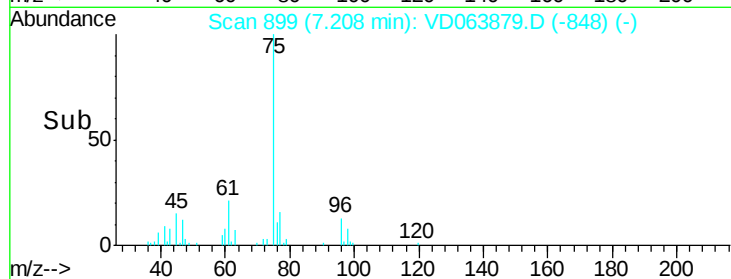
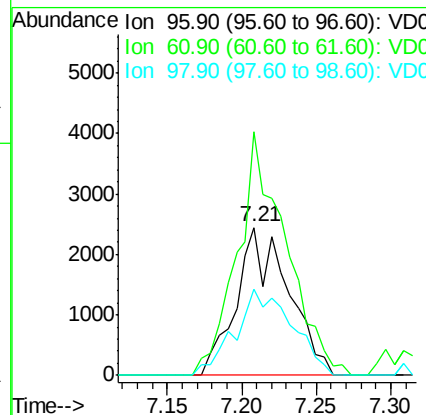
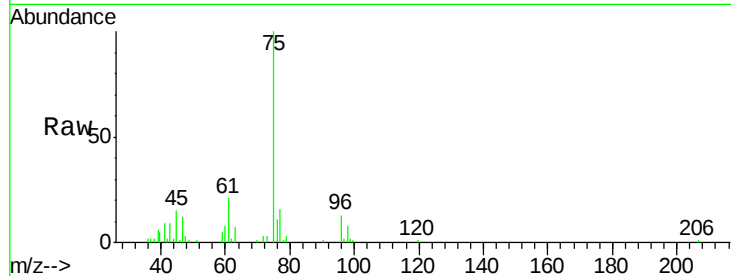
cis-1,2-Dichloroethene
 Concen: 2.970 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Instrument :
 MSVOA_D
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.8	0.0	280.0
98	63.8	0.0	130.4

Manual Integrations
 APPROVED

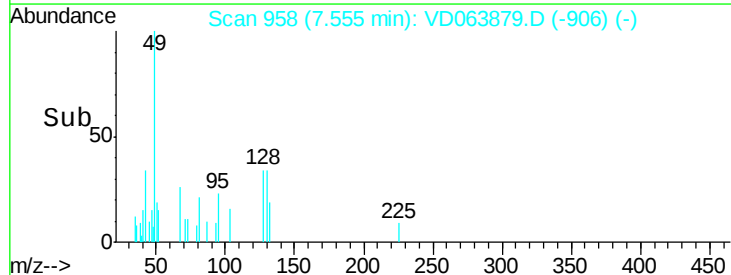
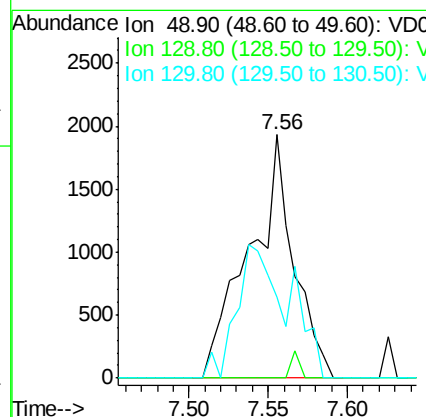
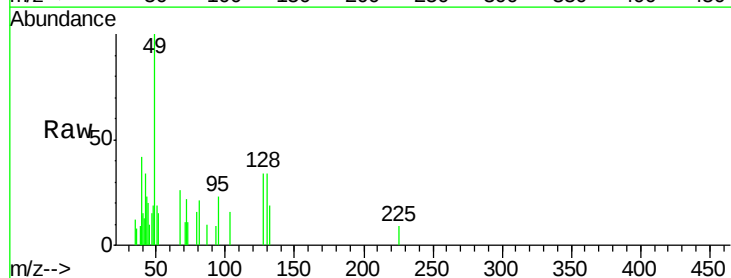
MMDadoda
 10/4/2019 4:31:30 PM

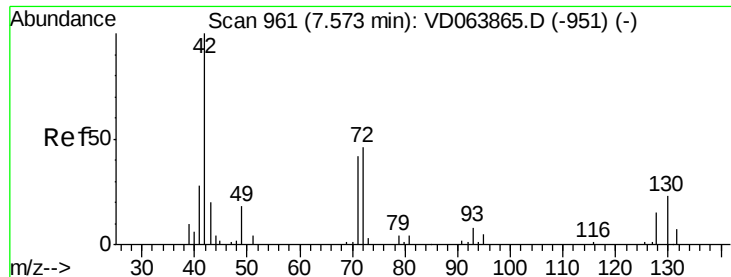


#28

Bromochloromethane
 Concen: 3.396 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	5.6
130	0.0	66.8	100.2#





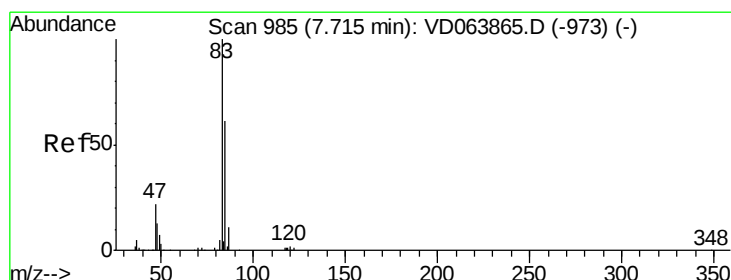
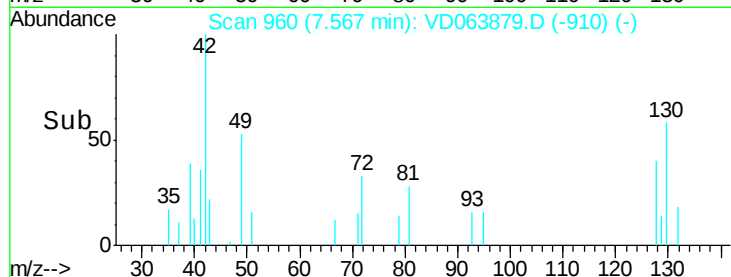
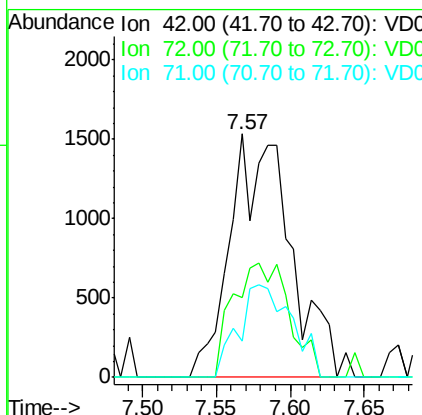
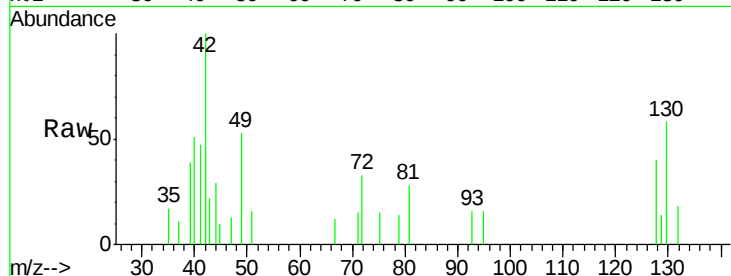
#29
Tetrahydrofuran
Concen: 14.594 ug/l m
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	37.6	56.4
71	33.6	35.0	52.6

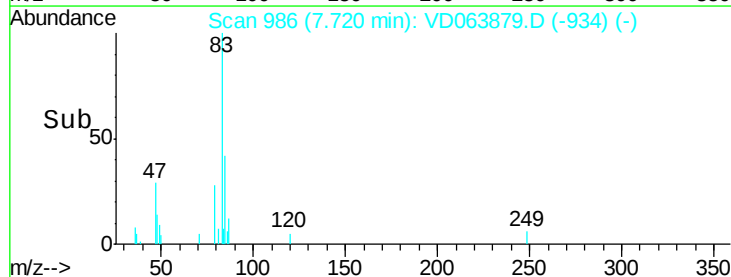
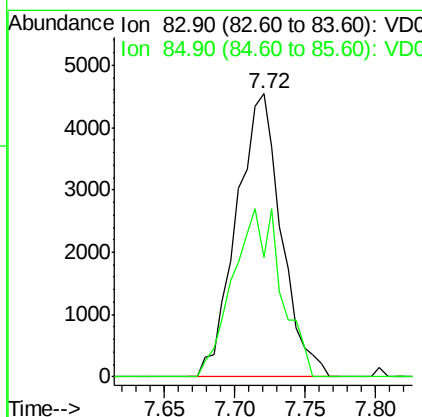
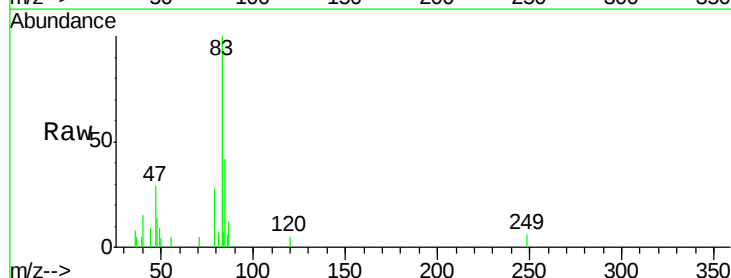
Manual Integrations
APPROVED

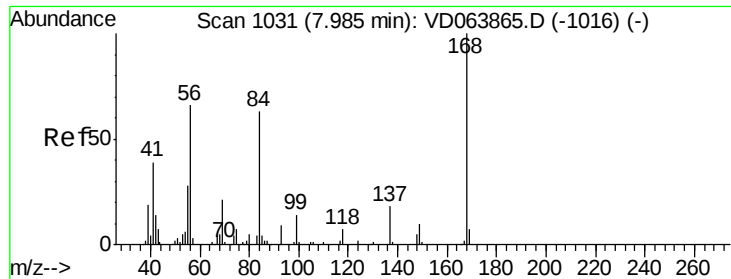
MMDadoda
10/4/2019 4:31:30 PM



#30
Chloroform
Concen: 3.142 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	42.2	48.9	73.3





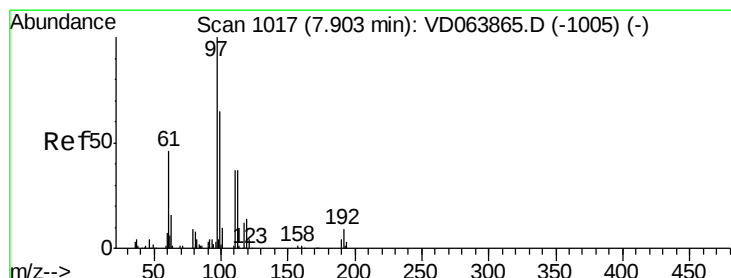
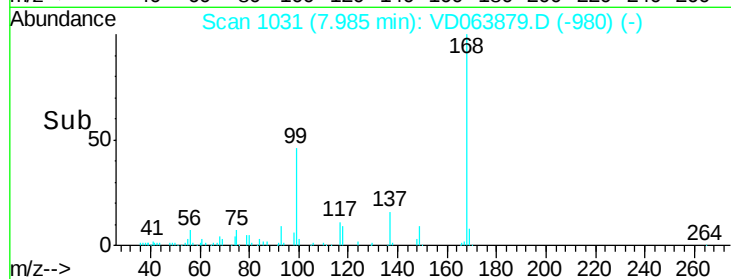
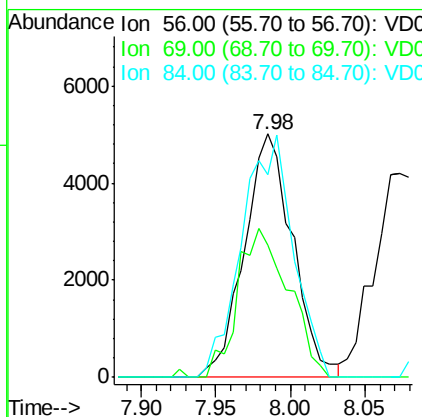
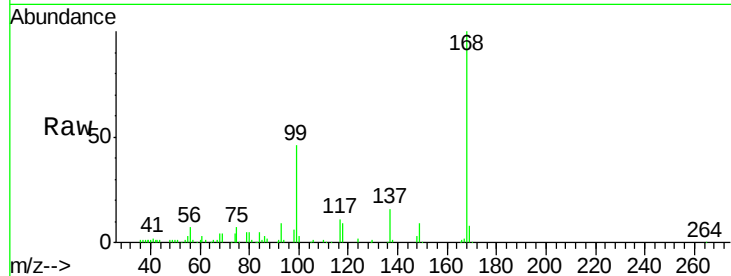
#31
Cyclohexane
Concen: 4.058 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
MDL05

Tot Ion	56	Ratio	Lower	Upper
11271	100			
69	54.4	25.0	37.4	
84	83.3	76.3	114.5	

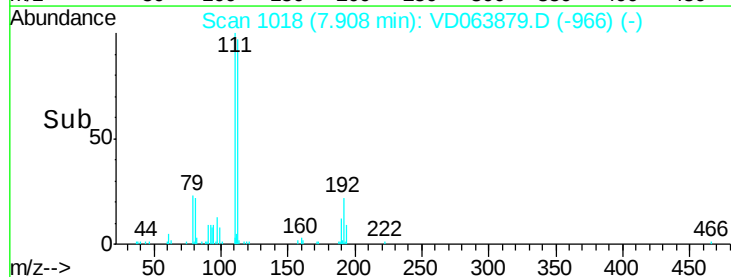
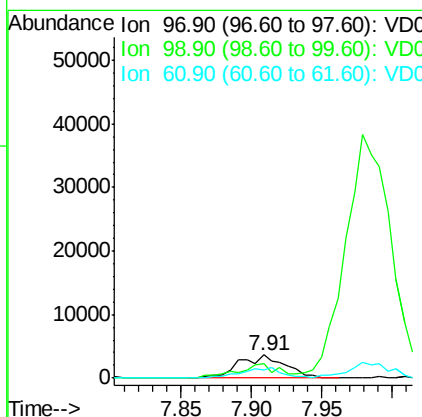
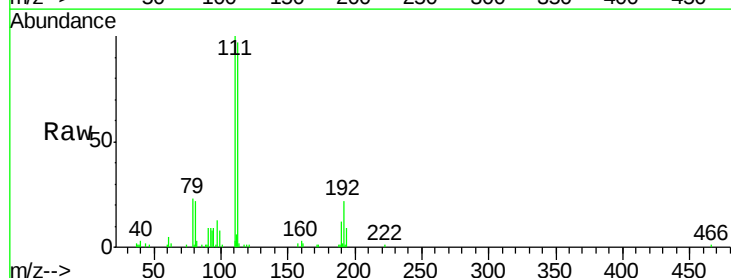
Manual Integrations
APPROVED

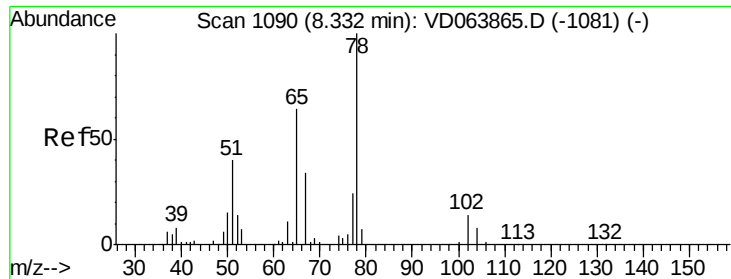
MMDadoda
10/4/2019 4:31:30 PM



#32
1,1,1-Trichloroethane
Concen: 3.009 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	97	Ratio	Lower	Upper
8303	100			
99	54.3	52.4	78.6	
61	40.3	33.8	50.8	





#33

1,2-Dichloroethane-d4

Concen: 59.299 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleID :

MDL05

Tot Ion: 65 Resp: 97559

Ion Ratio Lower Upper

65 100

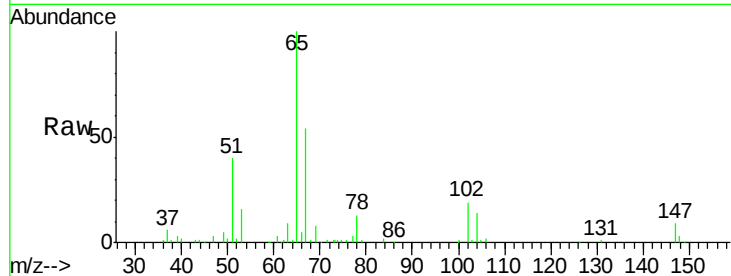
67 52.7 0.0 106.4

Manual Integrations

APPROVED

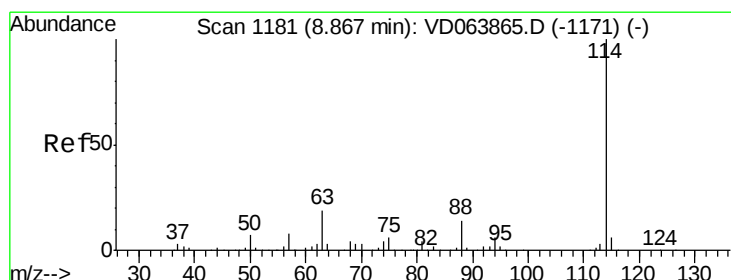
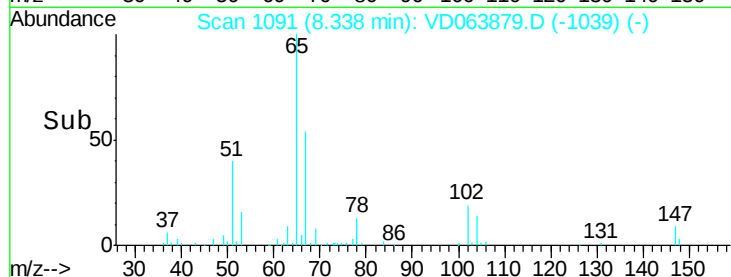
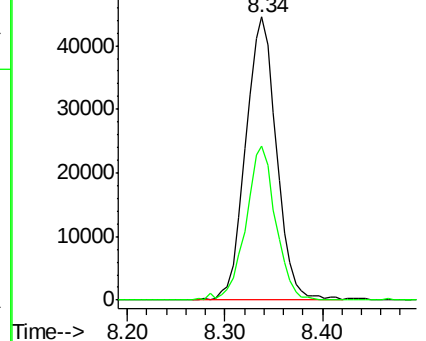
MMDadoda

10/4/2019 4:31:30 PM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

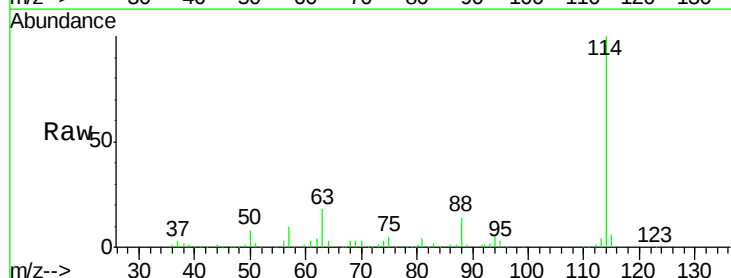
Tgt Ion: 114 Resp: 283333

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

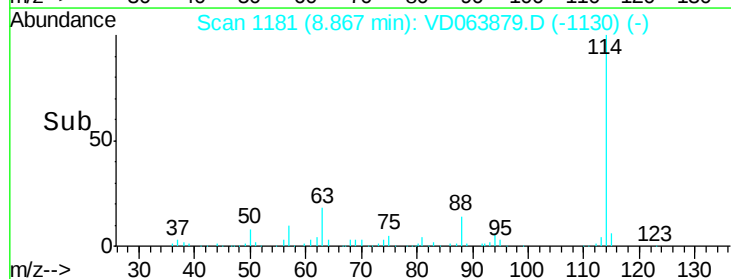
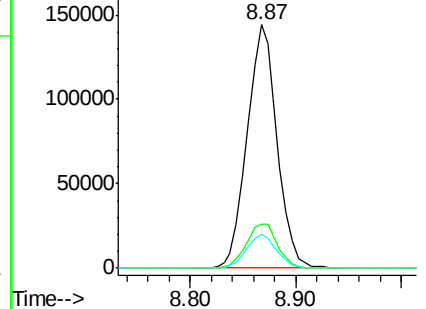
88 13.7 0.0 27.4

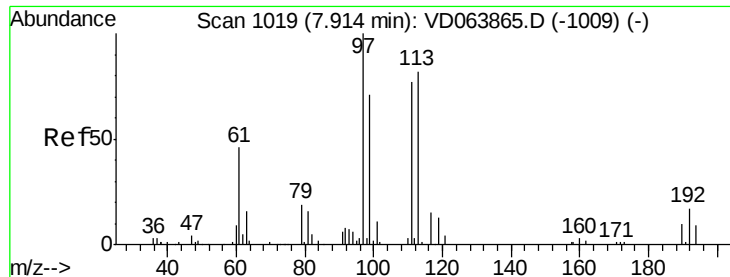


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





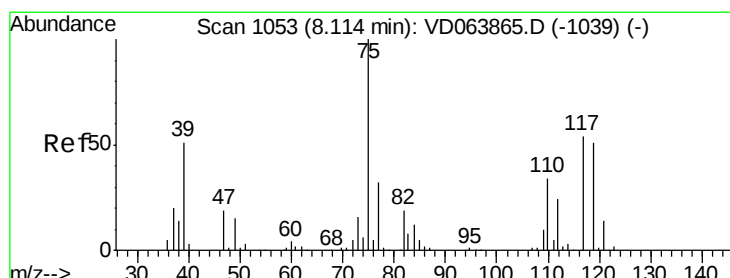
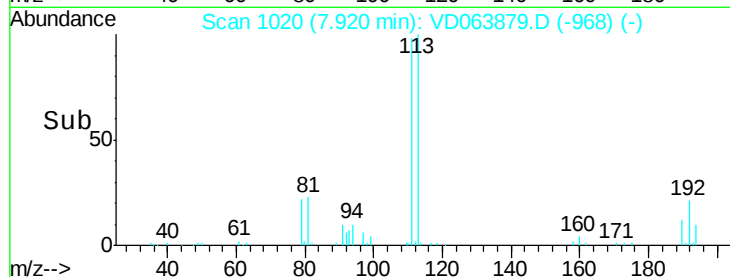
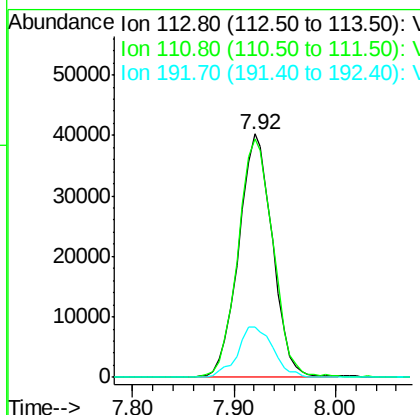
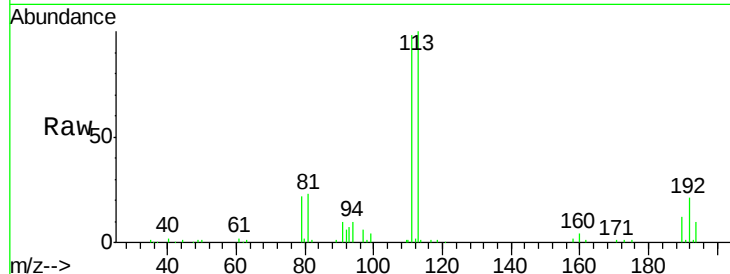
#35
Dibromofluoromethane
Concen: 53.861 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.6	123.8
192	21.7	17.1	25.7

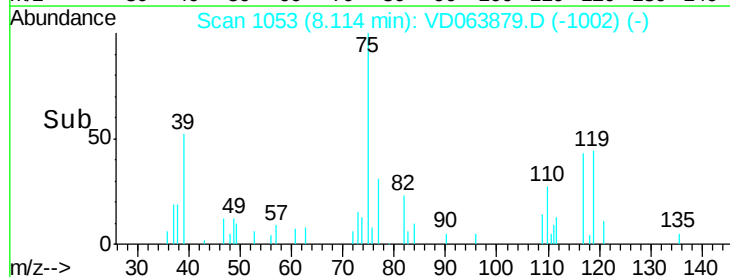
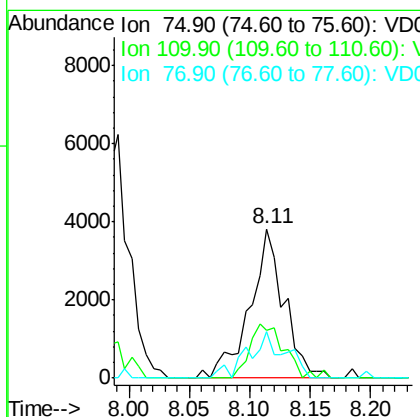
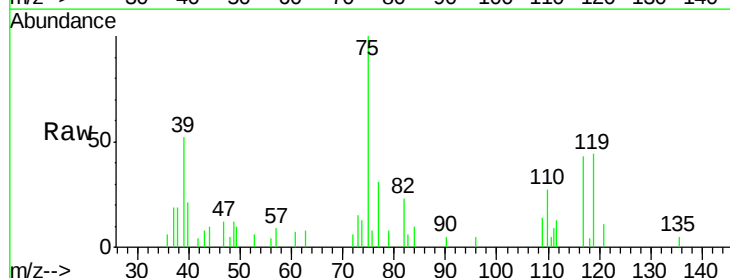
Manual Integrations
APPROVED

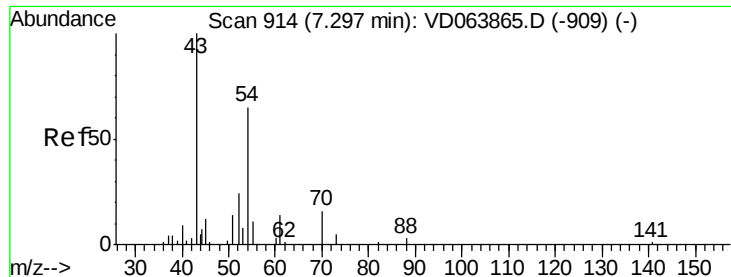
MMDadoda
10/4/2019 4:31:30 PM



#36
1,1-Dichloropropene
Concen: 2.907 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.4	52.3
77	33.4	25.4	38.0





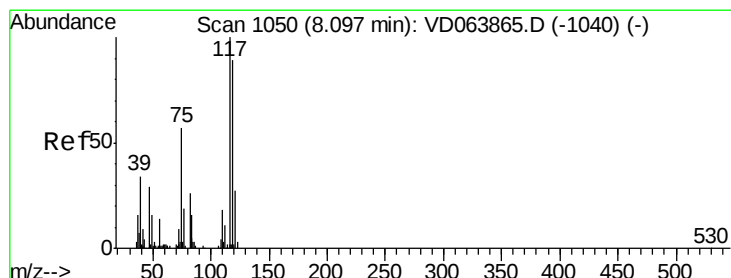
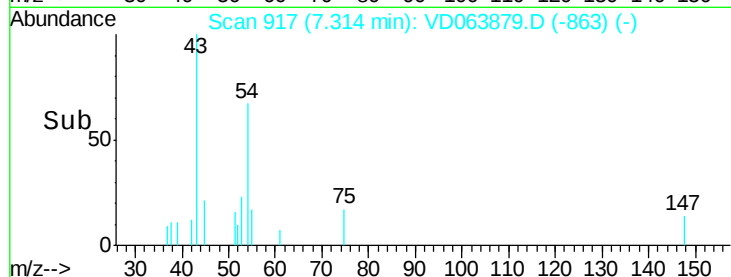
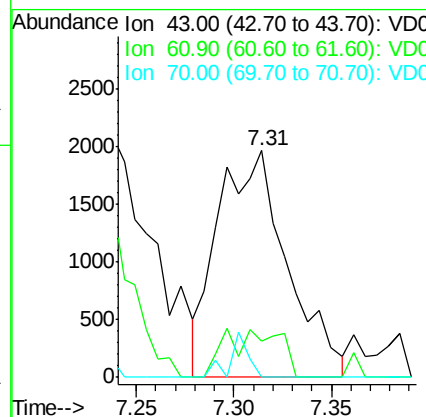
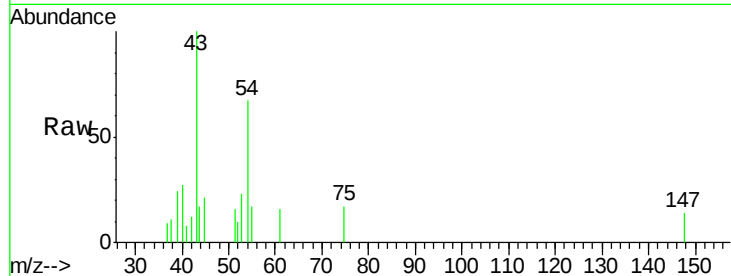
#37
Ethyl Acetate
Concen: 4.125 ug/l
RT: 7.31 min Scan# 917
Delta R.T. 0.02 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.7	11.5	17.3#
70	5.1	8.2	12.4#

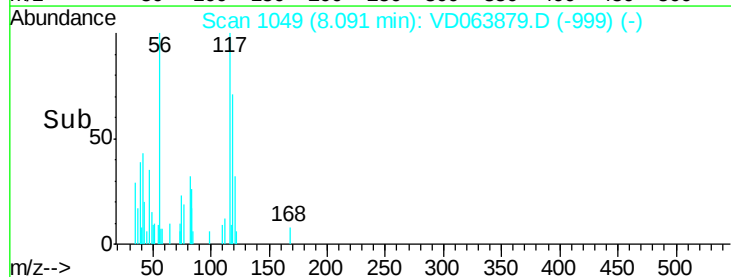
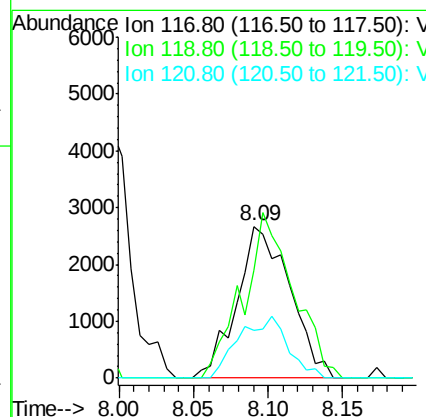
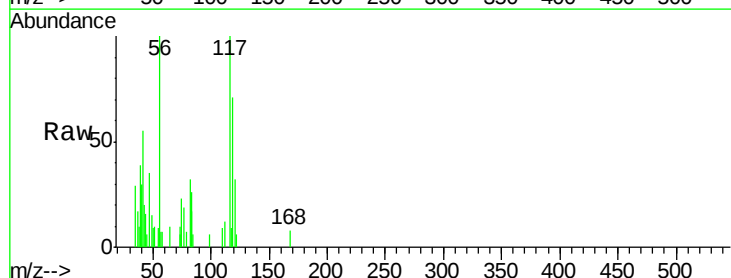
Manual Integrations
APPROVED

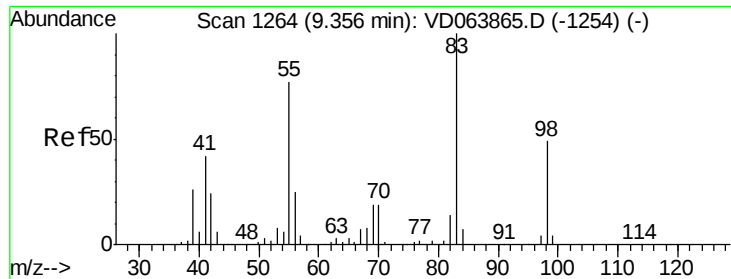
MMDadoda
10/4/2019 4:31:30 PM



#38
Carbon Tetrachloride
Concen: 2.523 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	71.3	70.8	106.2
121	31.8	21.4	32.0





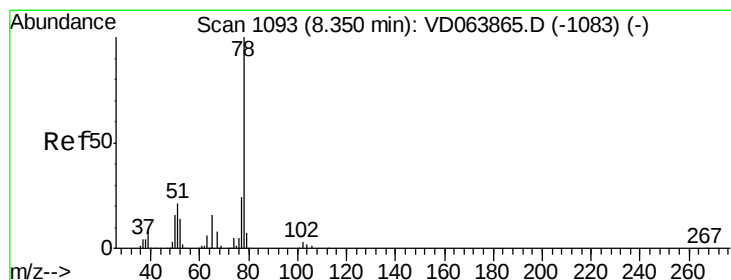
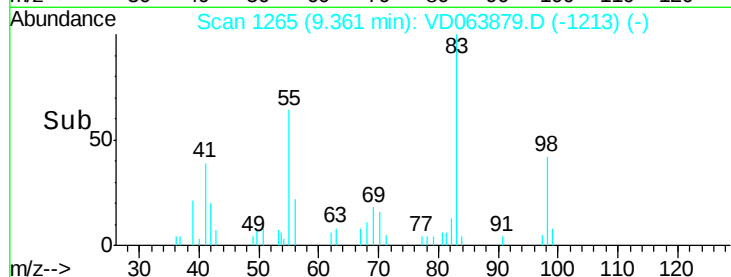
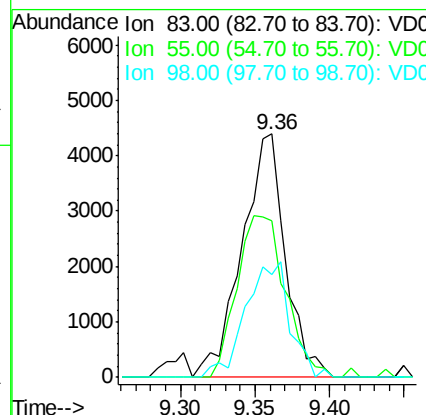
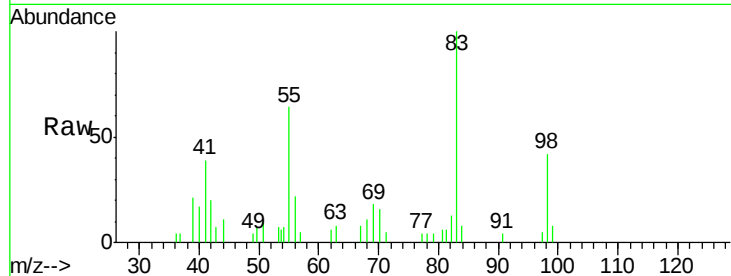
#39
Methvlcvclohexane
Concen: 2.784 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.2	61.3	91.9
98	42.0	39.3	58.9

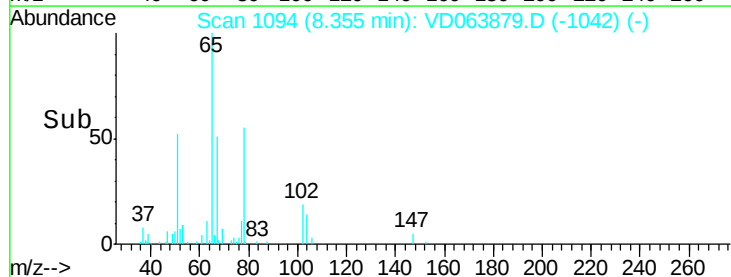
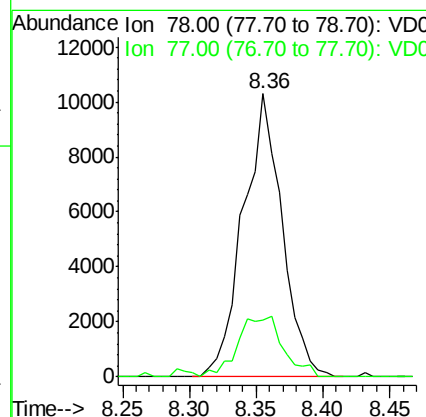
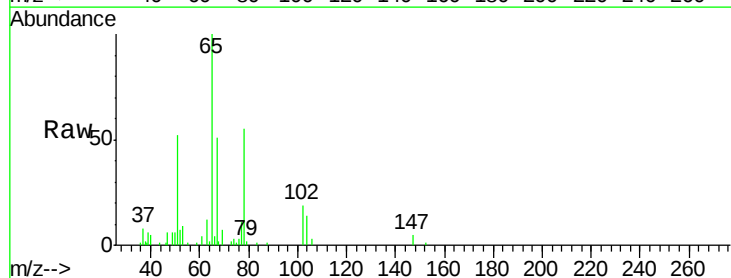
Manual Integrations
APPROVED

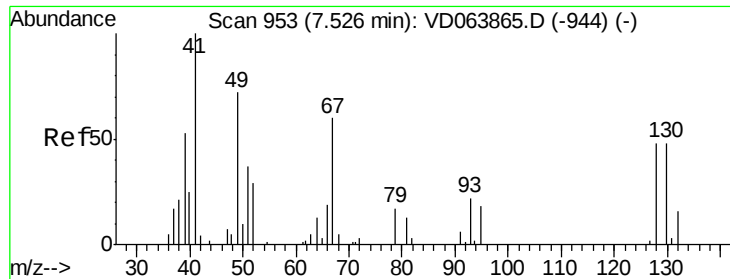
MMDadoda
10/4/2019 4:31:30 PM



#40
Benzene
Concen: 2.789 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.1	19.0	28.6





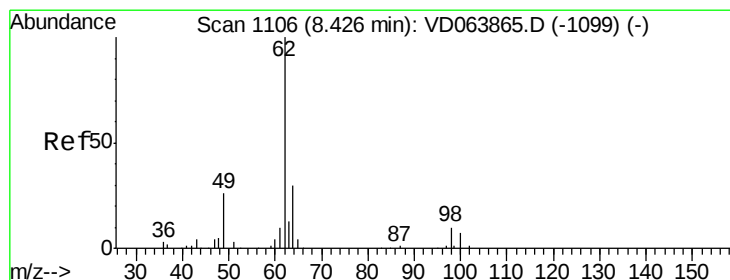
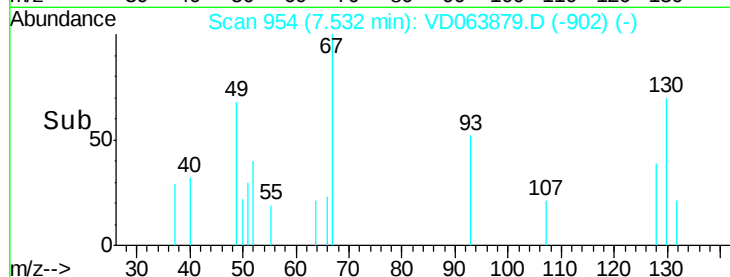
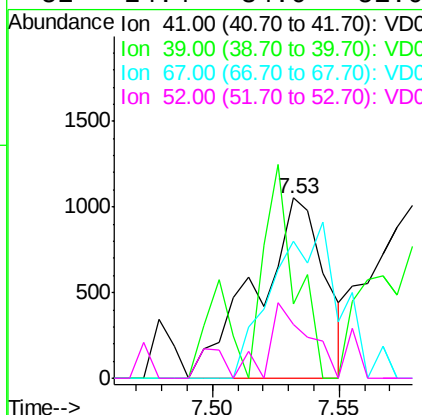
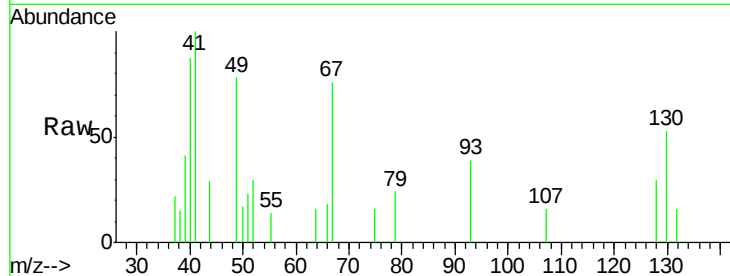
#41
Methacrylonitrile
Concen: 3.295 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.5	52.6	78.8
67	84.4	74.2	111.2
52	24.4	34.0	51.0#

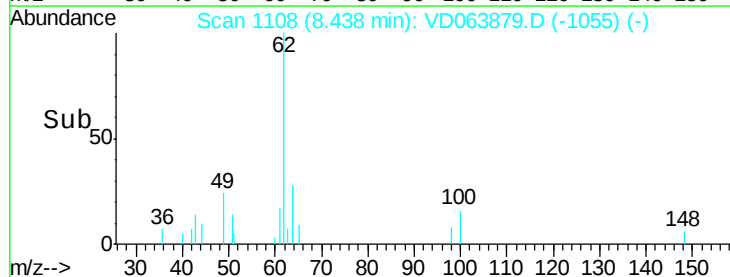
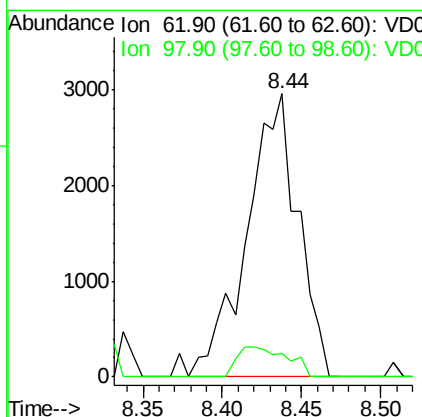
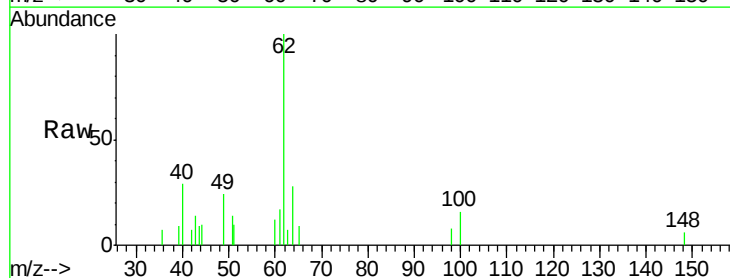
Manual Integrations
APPROVED

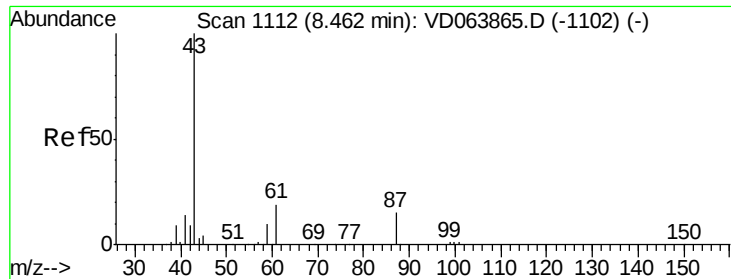
MMDadoda
10/4/2019 4:31:30 PM



#42
1,2-Dichloroethane
Concen: 3.095 ug/l
RT: 8.44 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.0





#43

Isopropyl Acetate

Concen: 2.910 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

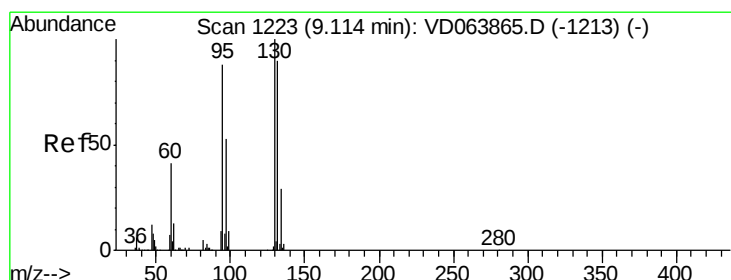
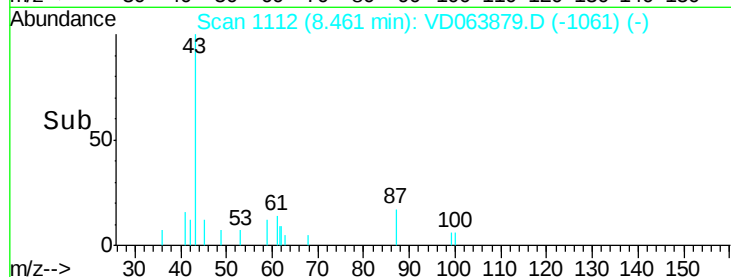
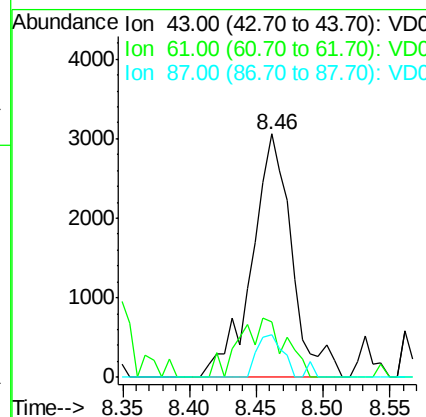
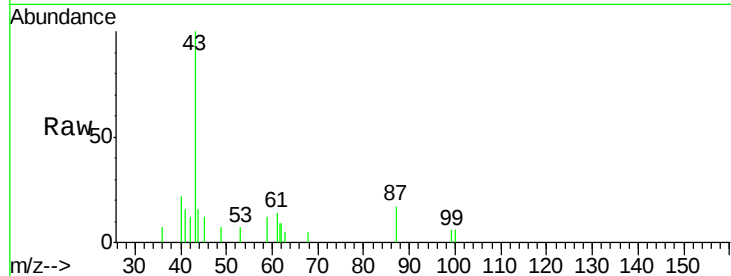
ClientSampleId :

MDL05

Tot Ion:	43	Resp:	6322
Ion	Ratio	Lower	Upper
43	100		
61	28.2	25.7	38.5
87	11.1	11.6	17.4#

Manual Integrations
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#44

Trichloroethene

Concen: 2.946 ug/l

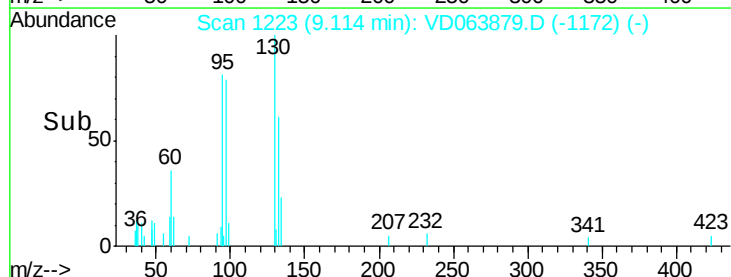
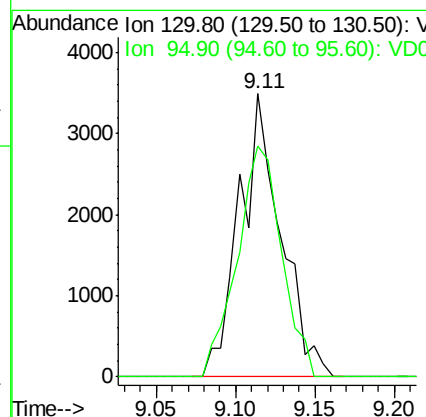
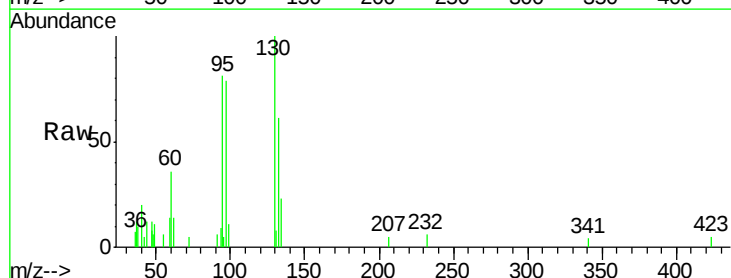
RT: 9.11 min Scan# 1223

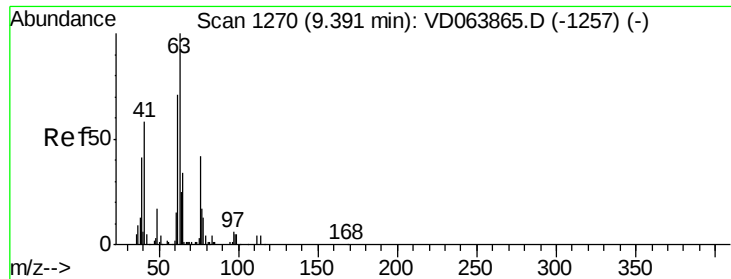
Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Tgt Ion:	130	Resp:	6307
Ion	Ratio	Lower	Upper
130	100		
95	81.4	0.0	175.6





#45

1,2-Dichloropropane

Concen: 2.762 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampled :

MDL05

Tot Ion: 63 Resp: 5018

Ion Ratio Lower Upper

63 100

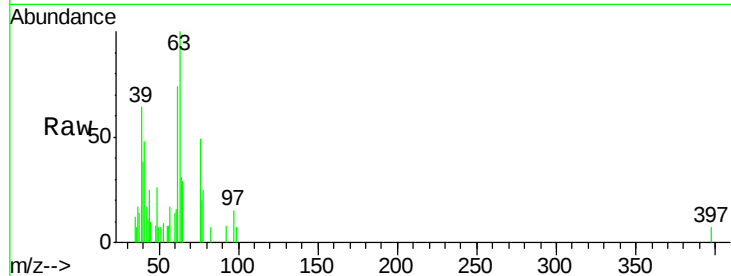
65 54.1 27.3 40.9#

Manual Integrations

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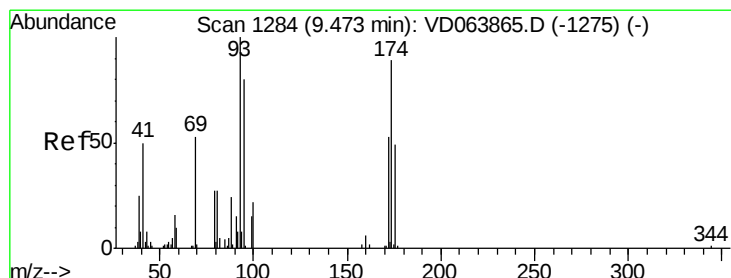
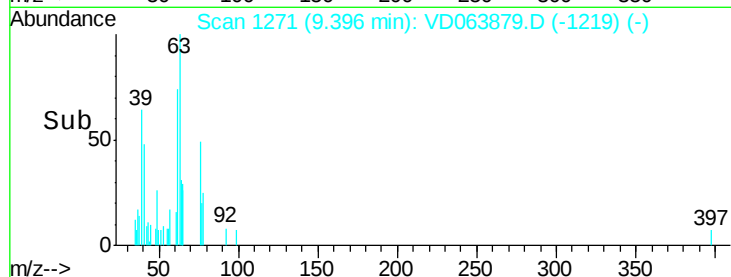
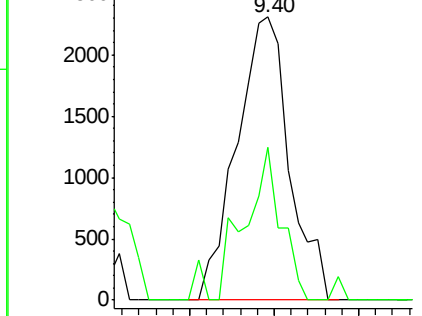
MMDadoda

10/4/2019 4:31:30 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 2.776 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

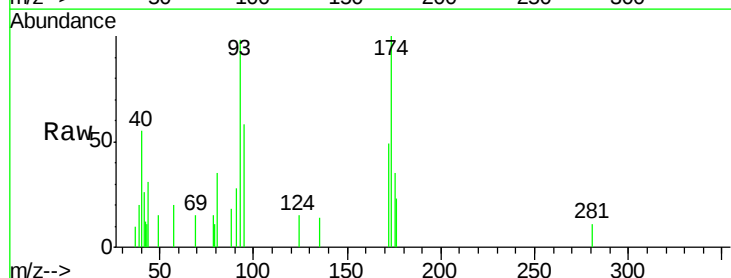
Tgt Ion: 93 Resp: 2873

Ion Ratio Lower Upper

93 100

95 98.8 66.0 99.0

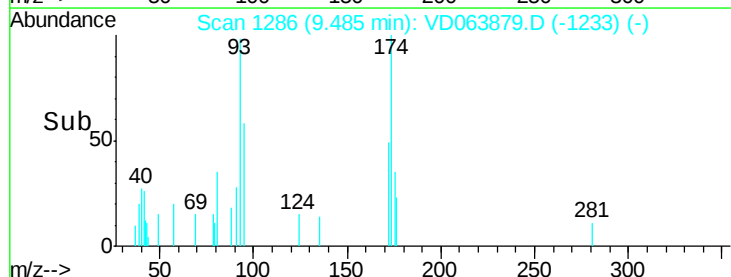
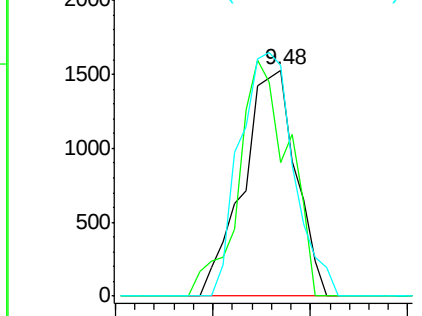
174 110.2 83.4 125.0

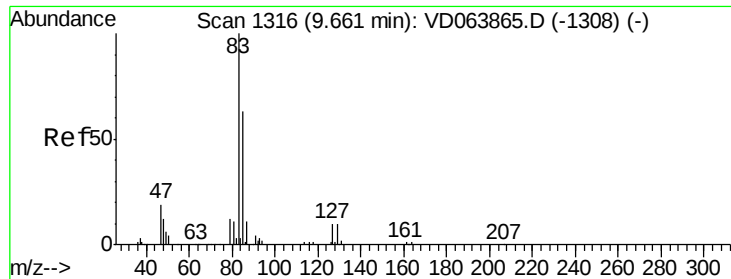


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





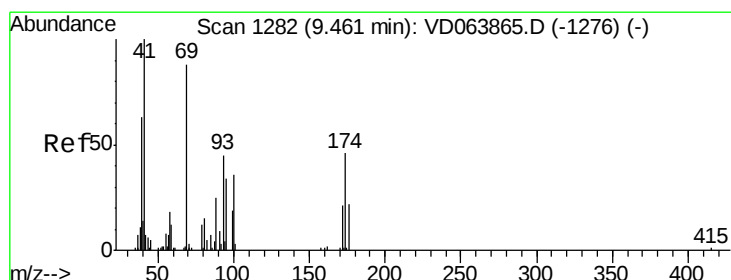
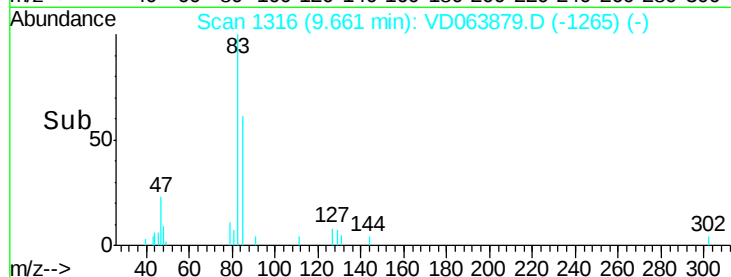
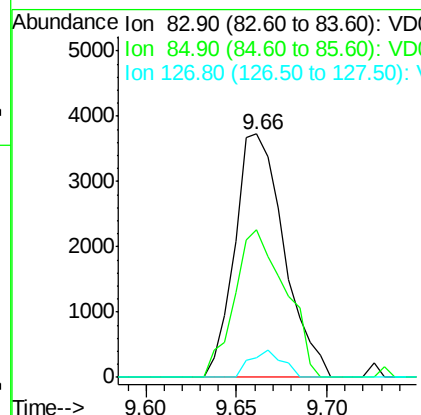
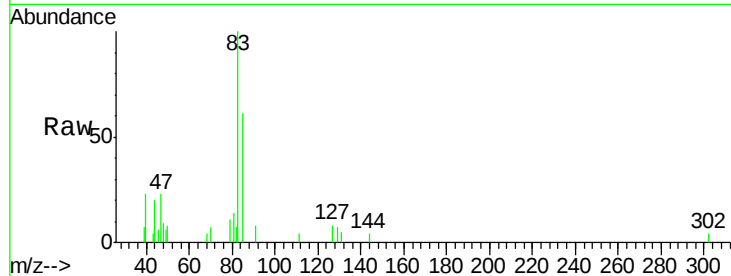
#47
Bromodichloromethane
Concen: 2.654 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
MDL05

Tot Ion	83	Resp	7071
Ion Ratio	100	Lower	Upper
83	100		
85	60.5	50.2	75.2
127	7.8	7.6	11.4

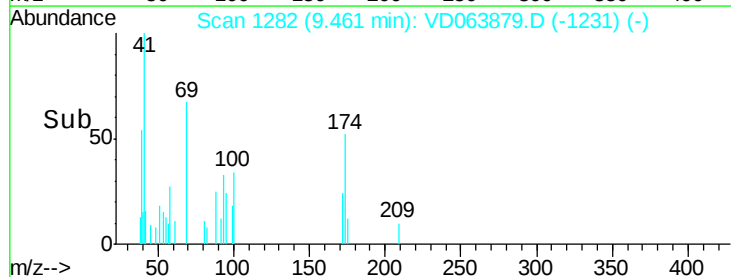
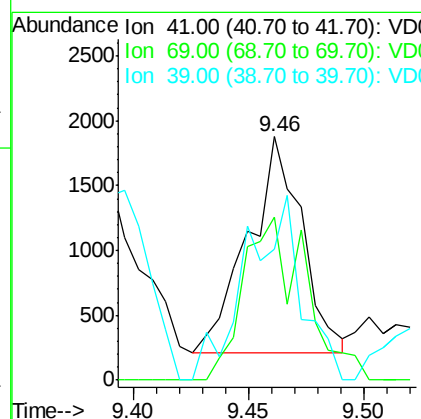
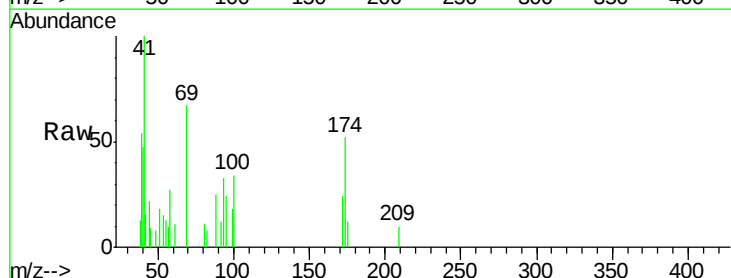
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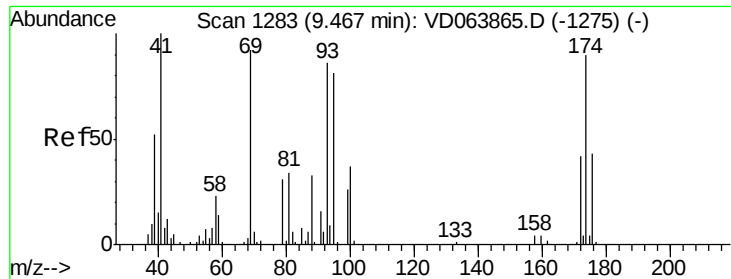
MMDadoda
10/4/2019 4:31:30 PM



#48
Methyl methacrylate
Concen: 2.577 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	41	Resp	2683
Ion Ratio	100	Lower	Upper
41	100		
69	87.9	75.1	112.7
39	89.4	50.2	75.2#





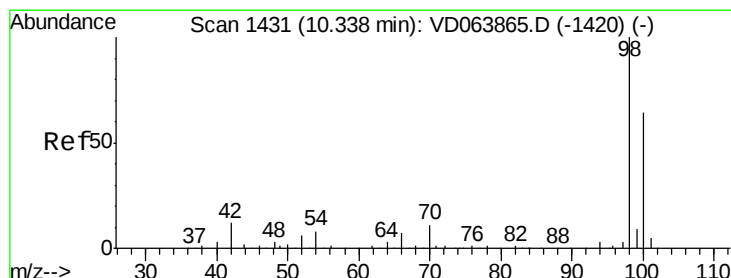
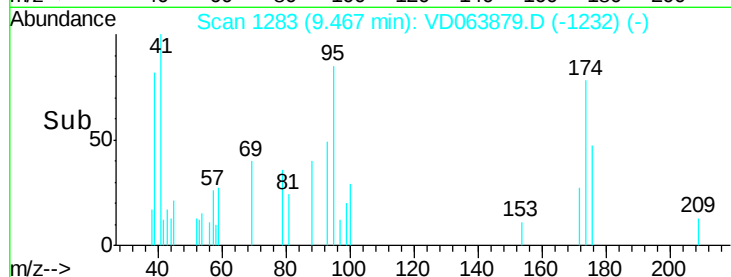
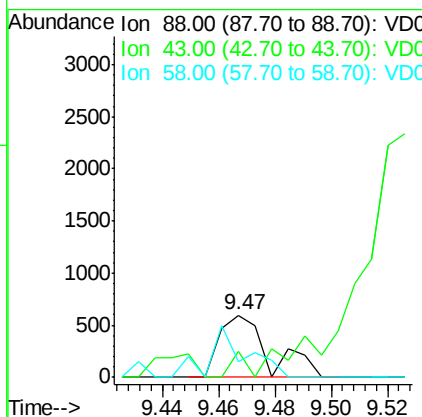
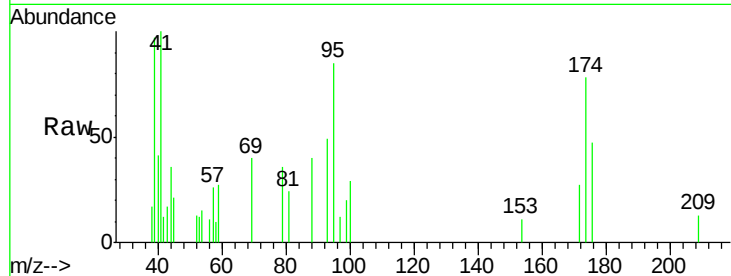
#49
1,4-Dioxane
Concen: 51.112 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
MDL05

Tot Ion	88	Resp	722
Ion	Ratio	Lower	Upper
88	100		
43	28.9	27.6	41.4
58	61.1	54.1	81.1

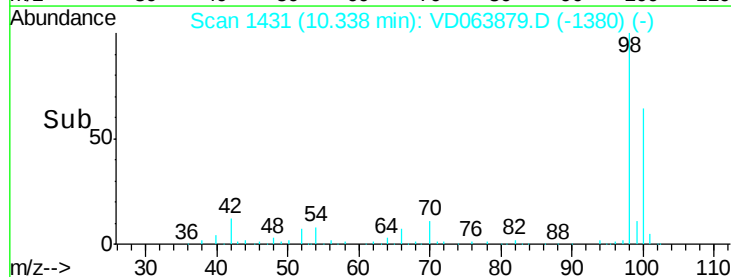
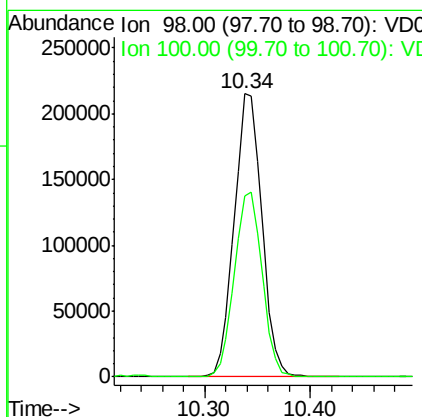
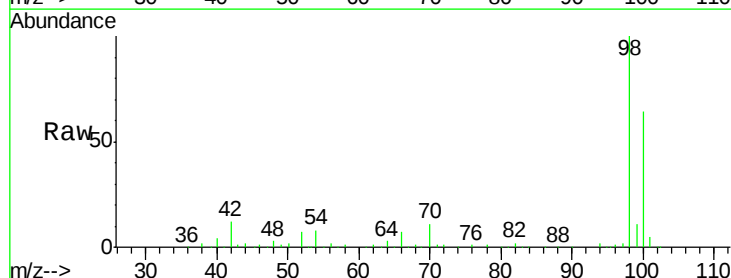
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#50
Toluene-d8
Concen: 55.514 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	98	Resp	390154
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 13.822 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 15574

Ion Ratio Lower Upper

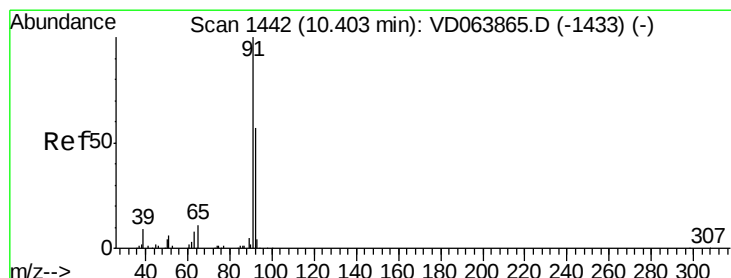
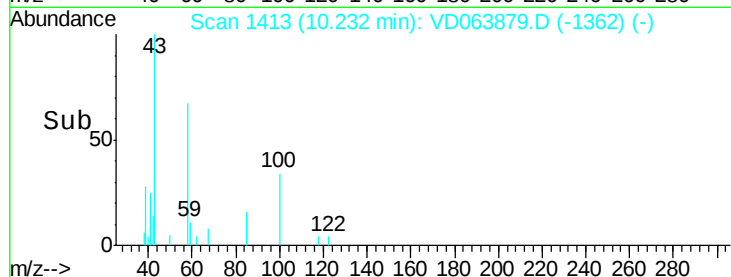
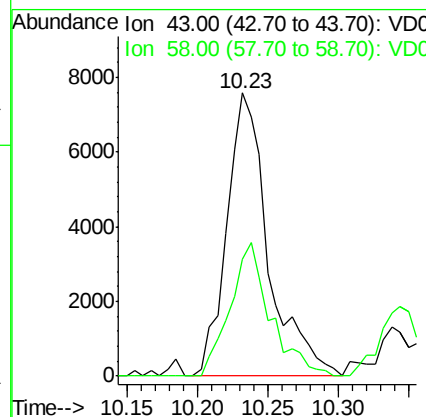
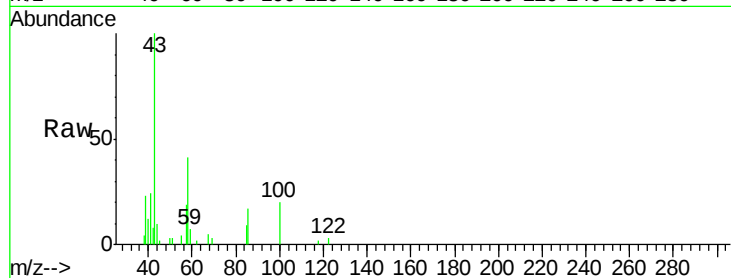
43 100

58 45.7 33.0 49.4

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10/4/2019 4:31:30 PM



#52

Toluene

Concen: 2.735 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063879.D

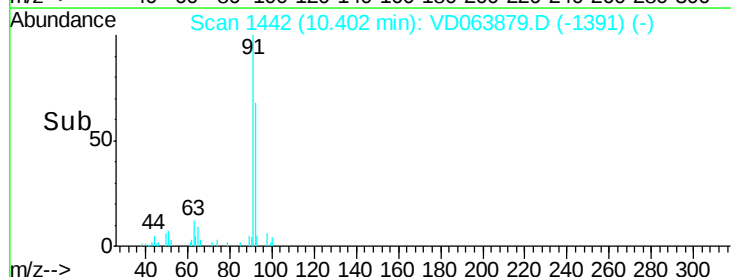
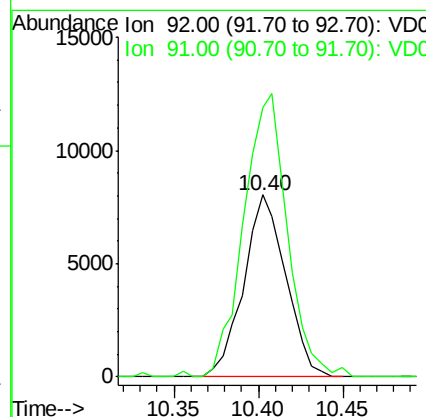
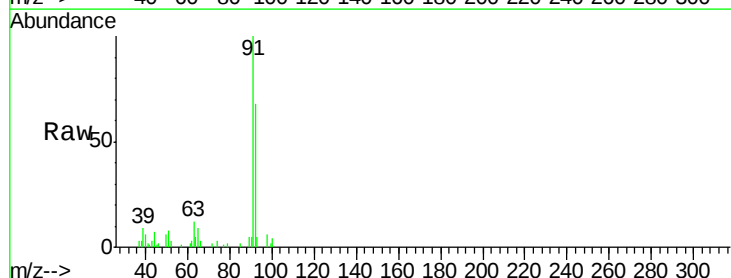
Acq: 03 Oct 2019 16:54

Tgt Ion: 92 Resp: 13937

Ion Ratio Lower Upper

92 100

91 161.5 139.5 209.3





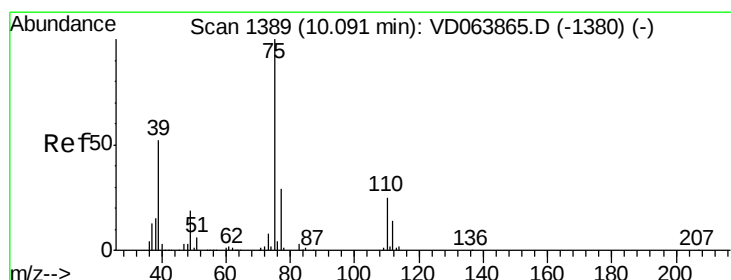
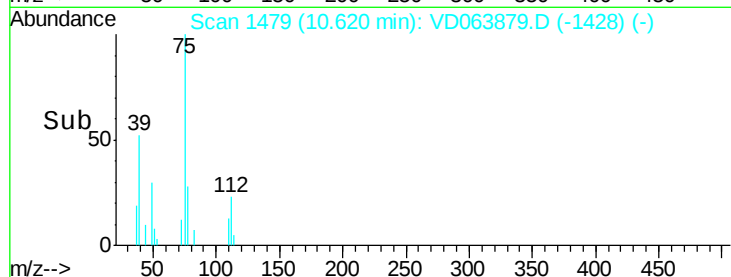
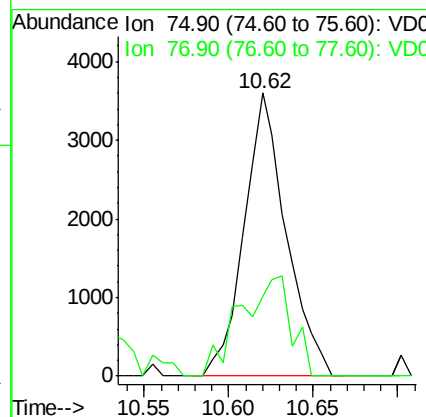
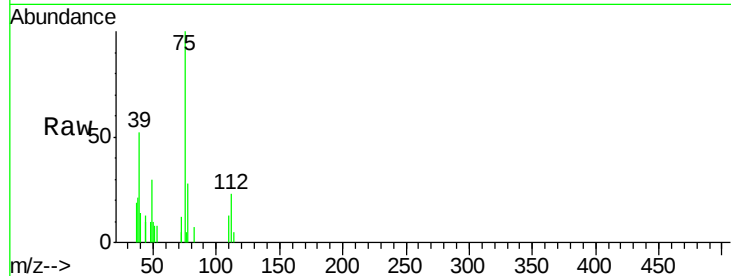
#53
 t-1,3-Dichloropropene
 Concen: 2.402 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05

Tot Ion: 75 Resp: 6246
 Ion Ratio Lower Upper
 75 100
 77 28.3 22.8 34.2

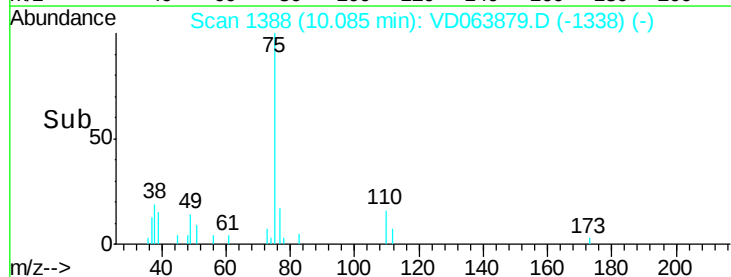
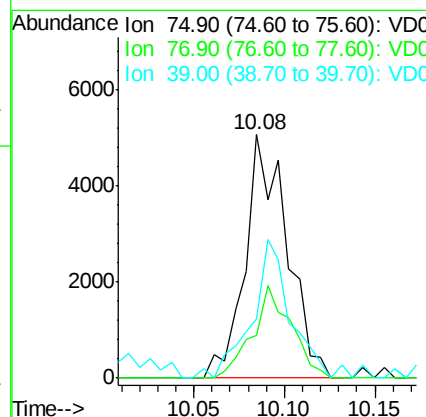
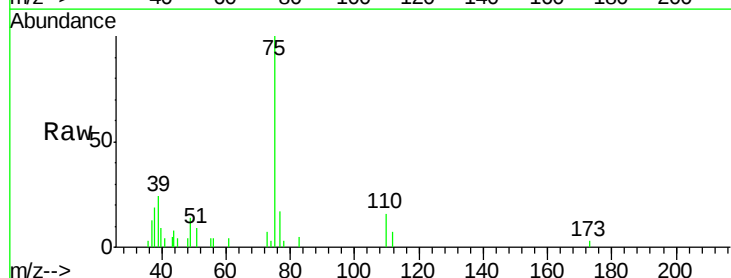
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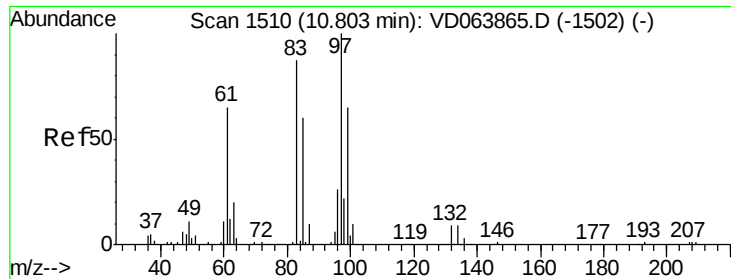
MMDadoda
 10/4/2019 4:31:30 PM



#54
 cis-1,3-Dichloropropene
 Concen: 2.716 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion: 75 Resp: 8128
 Ion Ratio Lower Upper
 75 100
 77 17.5 23.2 34.8#
 39 24.2 41.5 62.3#





#55

1,1,2-Trichloroethane

Concen: 3.217 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

Tot Ion: 97 Resp: 4701

Ion Ratio Lower Upper

97 100

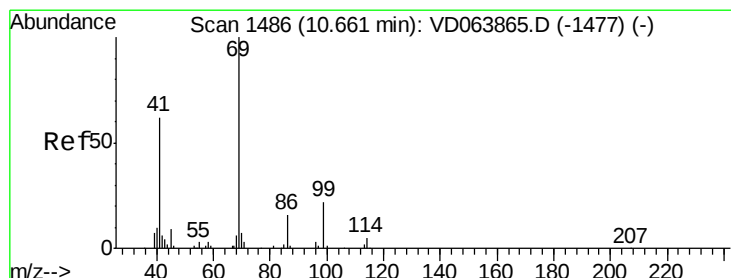
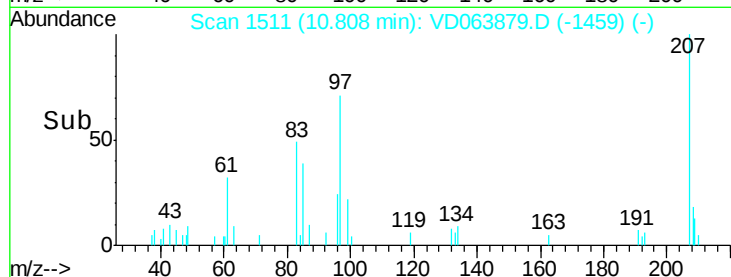
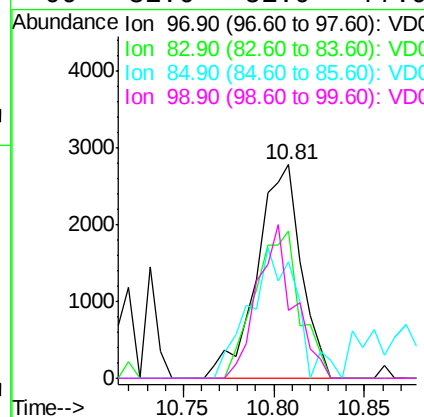
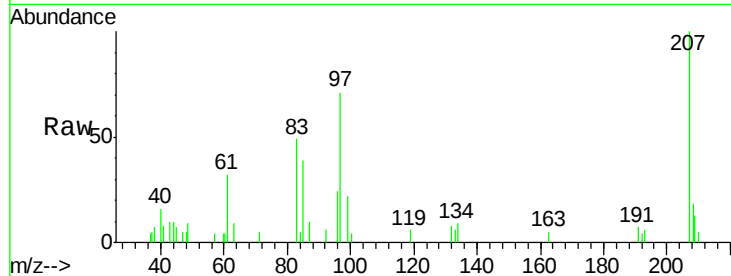
83 69.2 69.7 104.5#

85 54.8 48.1 72.1

99 31.6 51.9 77.9#

Manual Integrations
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10/4/2019 4:31:30 PM



#56

Ethyl methacrylate

Concen: 2.602 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

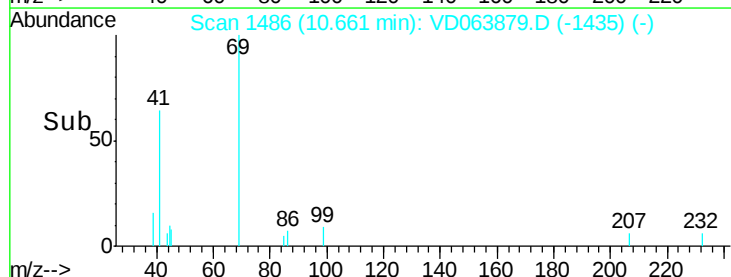
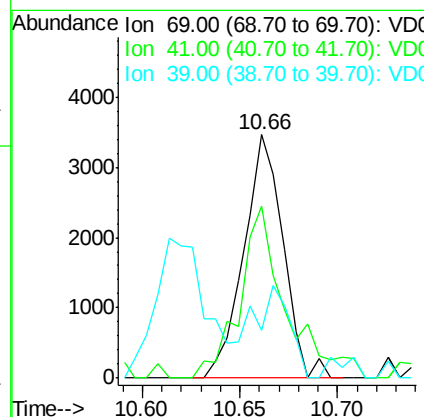
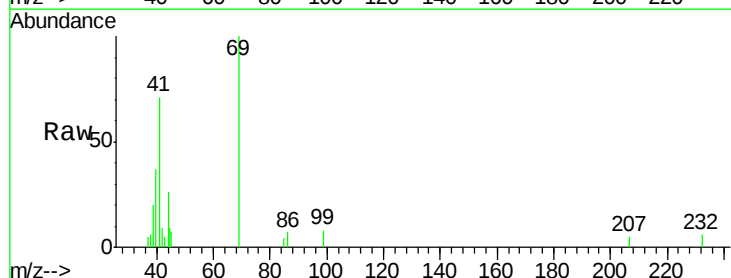
Tgt Ion: 69 Resp: 4815

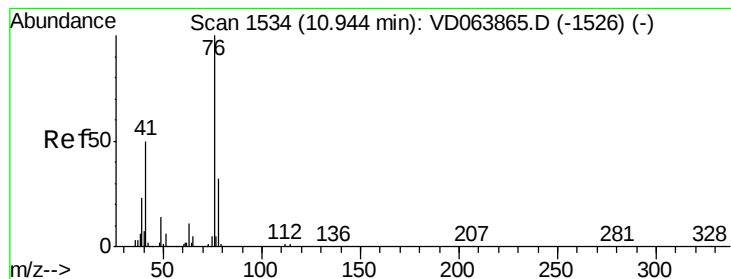
Ion Ratio Lower Upper

69 100

41 83.7 51.3 76.9#

39 37.7 28.0 42.0





#57

1,3-Dichloropropane

Concen: 2.643 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

Tot Ion: 76 Resp: 6608

Ion Ratio Lower Upper

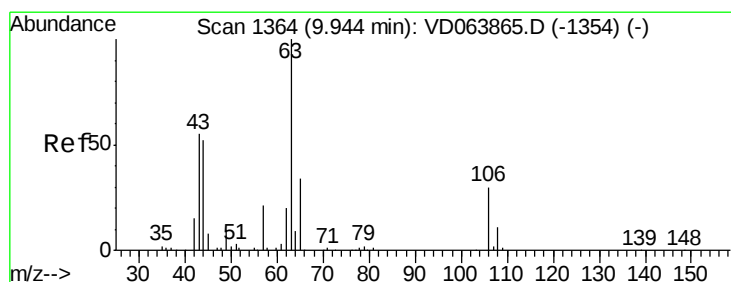
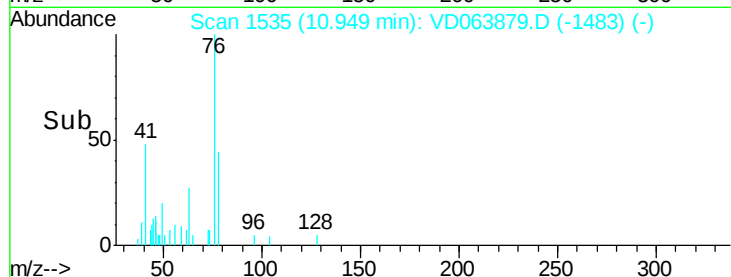
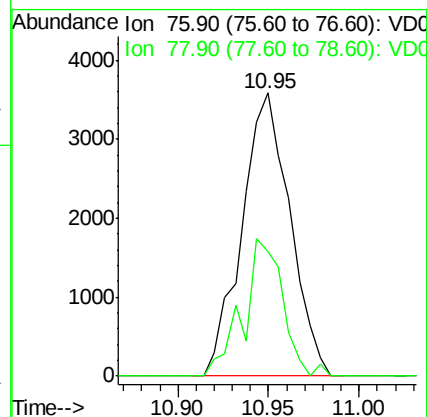
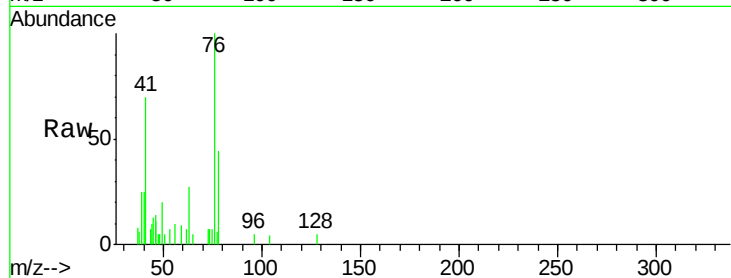
76 100

78 39.7 26.6 40.0

Manual Integrations
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10/4/2019 4:31:30 PM



#58

2-Chloroethyl Vinyl ether

Concen: 12.529 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063879.D

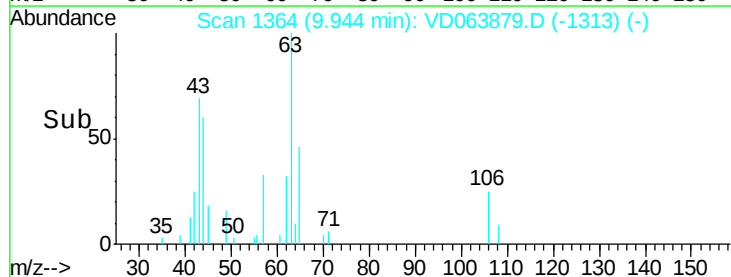
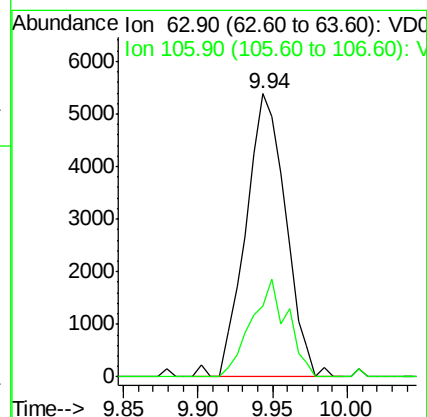
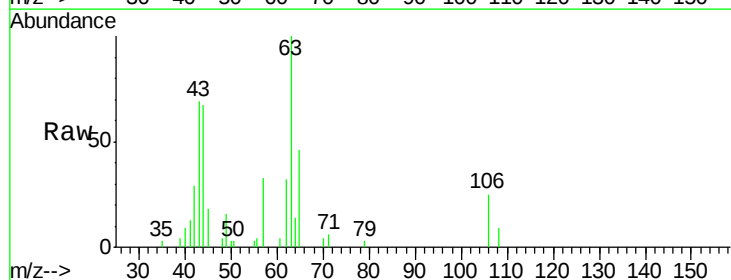
Acq: 03 Oct 2019 16:54

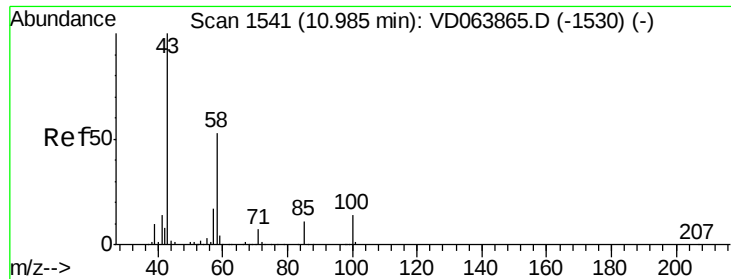
Tgt Ion: 63 Resp: 9965

Ion Ratio Lower Upper

63 100

106 31.5 24.3 36.5





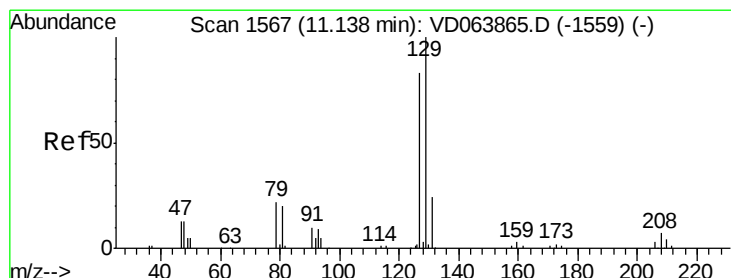
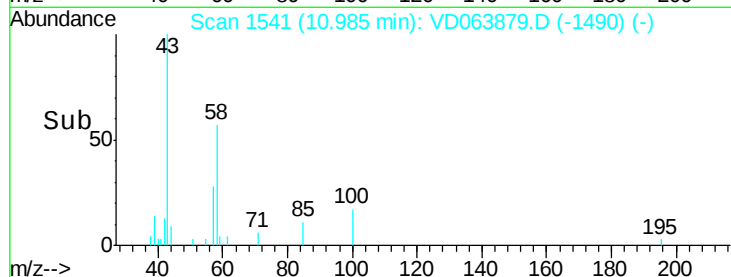
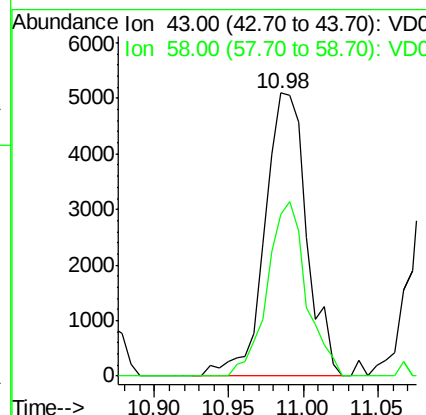
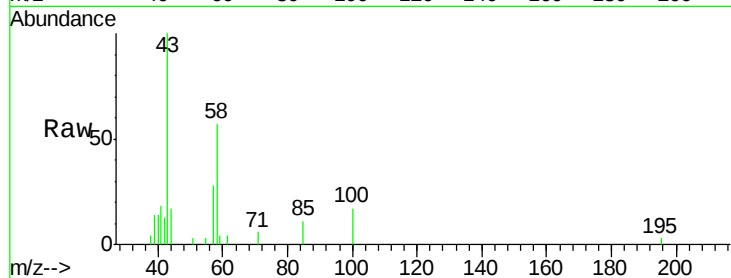
#59
2-Hexanone
Concen: 12.219 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
MDL05

Tot Ion: 43 Resp: 9959
Ion Ratio Lower Upper
43 100
58 57.0 27.7 83.0

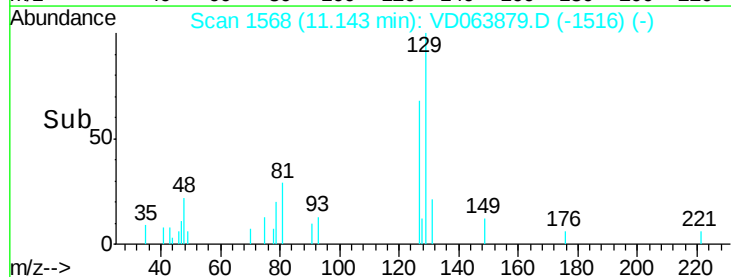
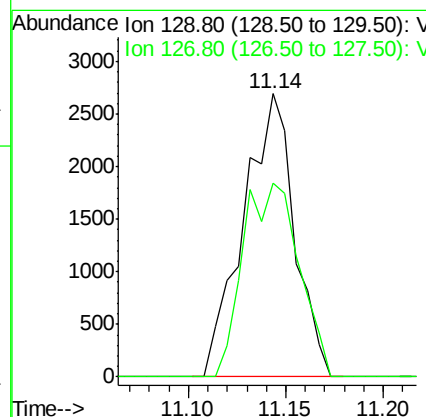
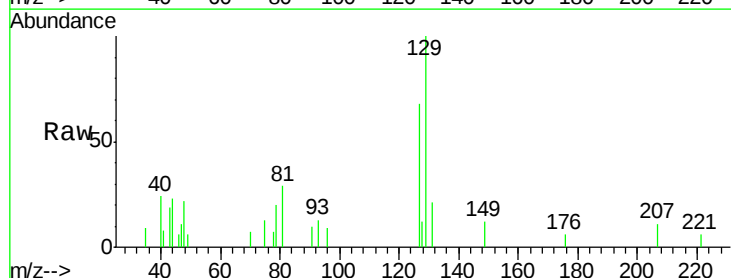
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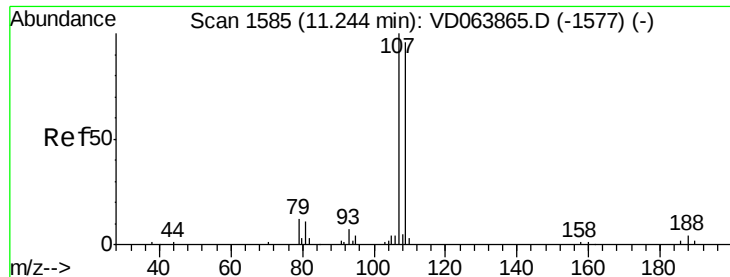
MMDadoda
10/4/2019 4:31:30 PM



#60
Dibromochloromethane
Concen: 2.563 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion: 129 Resp: 4875
Ion Ratio Lower Upper
129 100
127 75.3 39.9 119.6





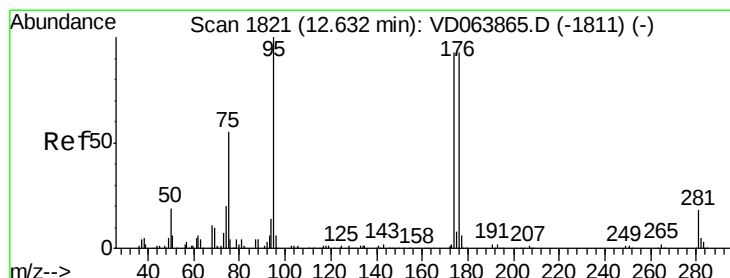
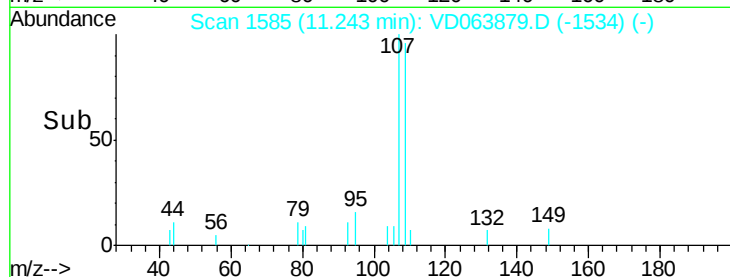
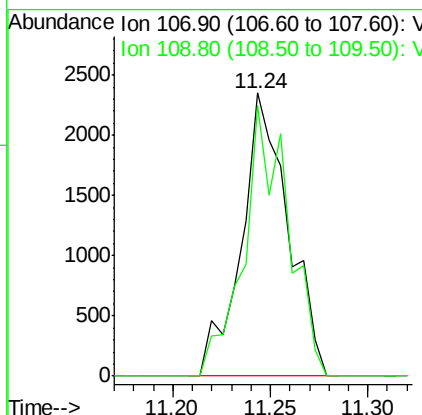
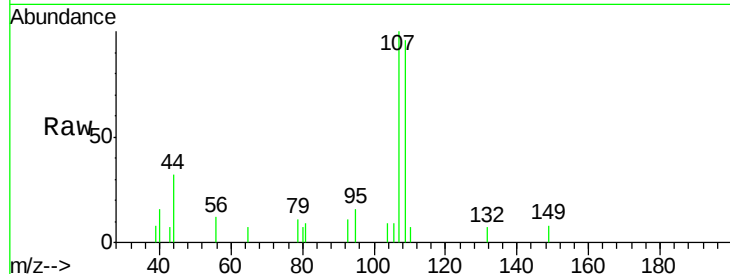
#61
 1,2-Dibromoethane
 Concen: 2.758 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Instrument :
 MSVOA_D
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.3	75.2	112.8

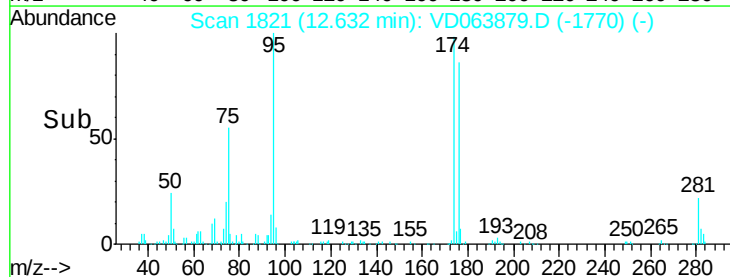
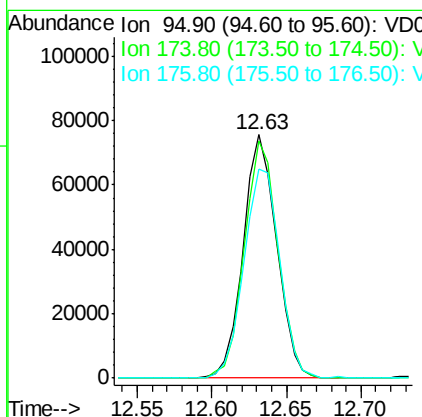
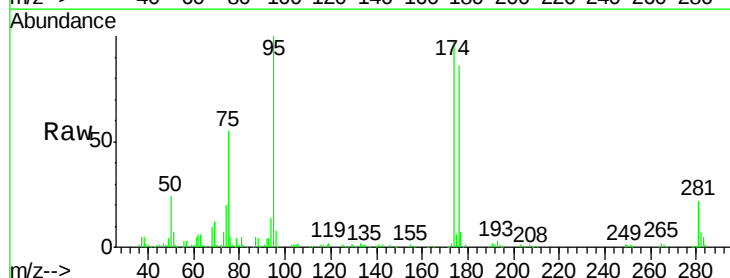
Manual Integrations
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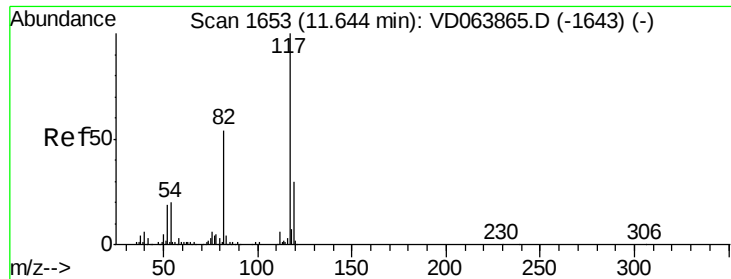
MMDadoda
 10/4/2019 4:31:30 PM



#62
 4-Bromofluorobenzene
 Concen: 47.942 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.2	0.0	186.4
176	92.1	0.0	184.2





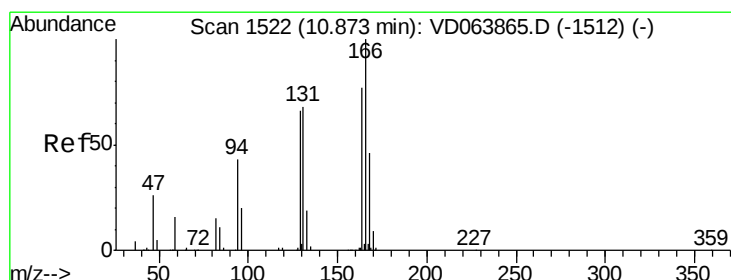
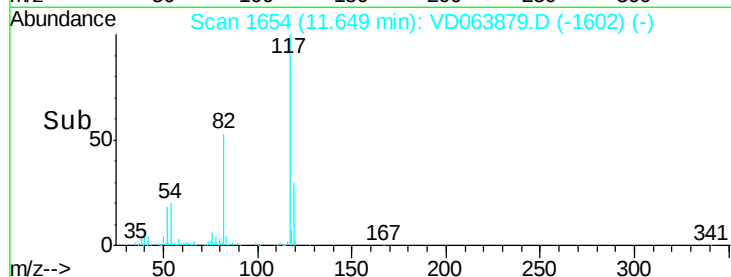
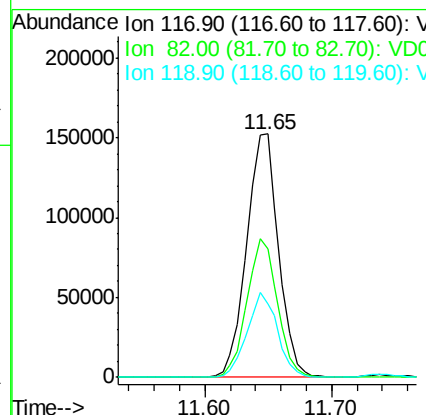
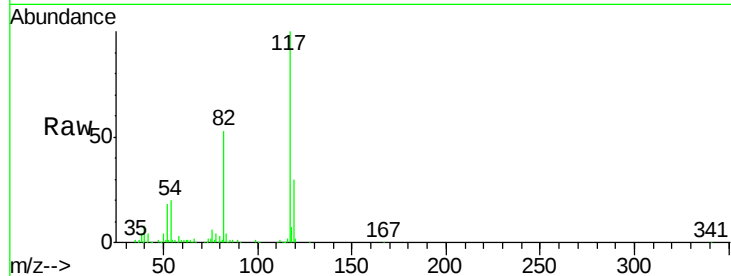
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
MDL05

Tot Ion	Ratio	Resp	Lower	Upper
117	100	266722		
82	52.9		42.8	64.2
119	30.3		24.4	36.6

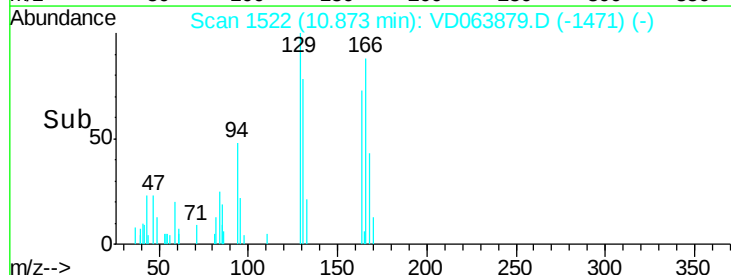
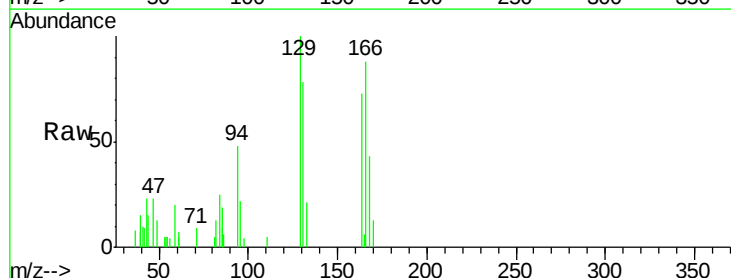
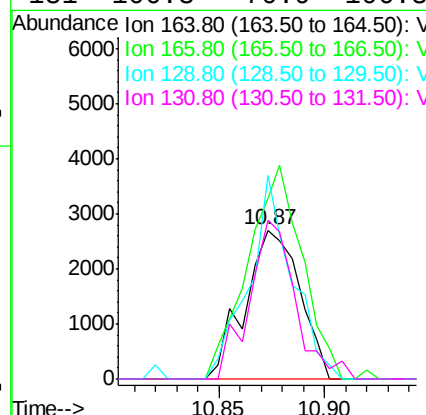
Manual Integrations
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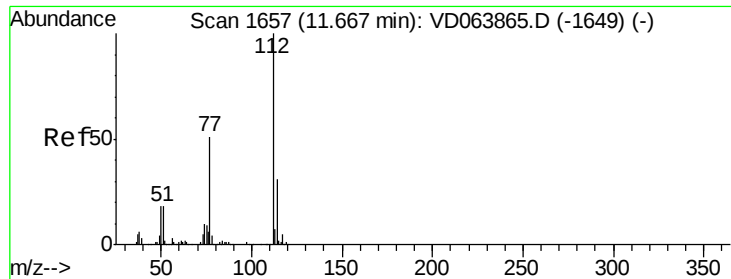
MMDadoda
10/4/2019 4:31:30 PM



#64
Tetrachloroethene
Concen: 2.701 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	4919		
166	120.9		103.8	155.6
129	136.7		68.9	103.3#
131	106.3		70.9	106.3





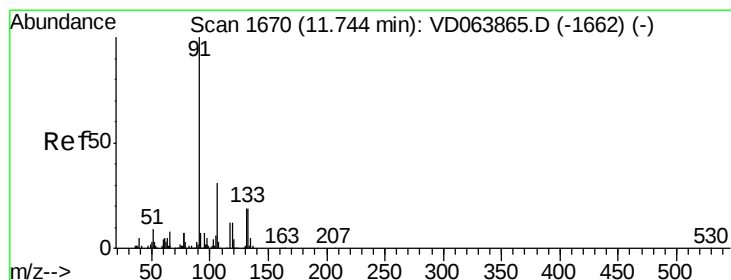
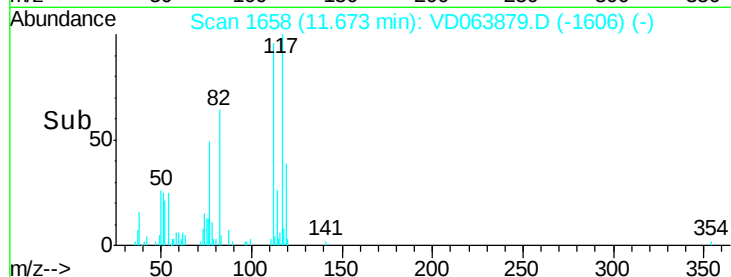
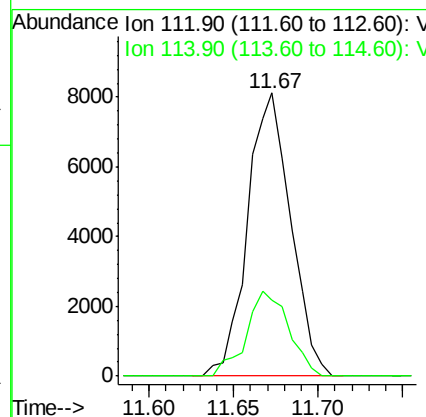
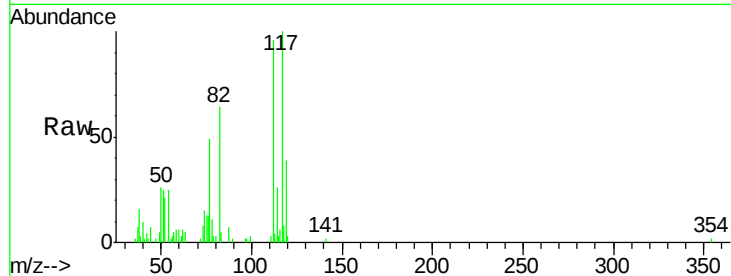
#65
Chlorobenzene
Concen: 2.691 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
MDL05

Tot Ion:112 Resp: 14413
Ion Ratio Lower Upper
112 100
114 26.9 25.1 37.7

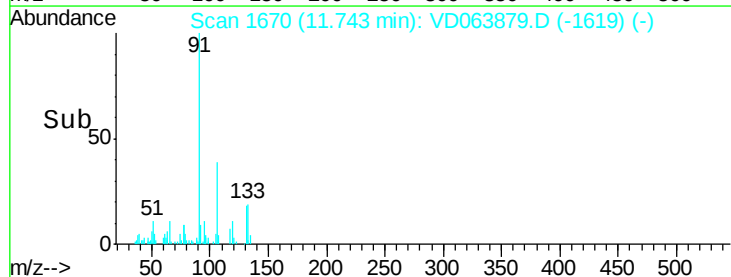
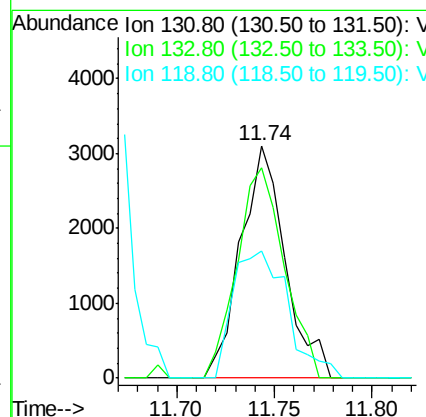
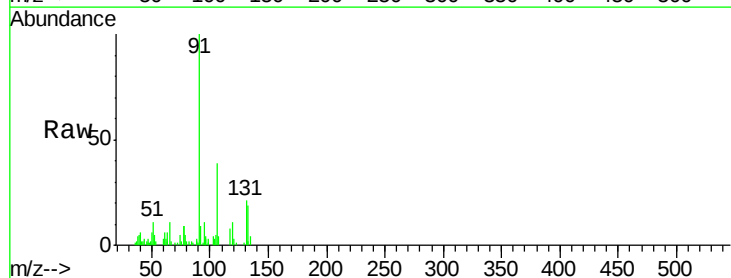
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 2.488 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion:131 Resp: 4910
Ion Ratio Lower Upper
131 100
133 96.2 48.9 146.7
119 67.5 32.6 97.8





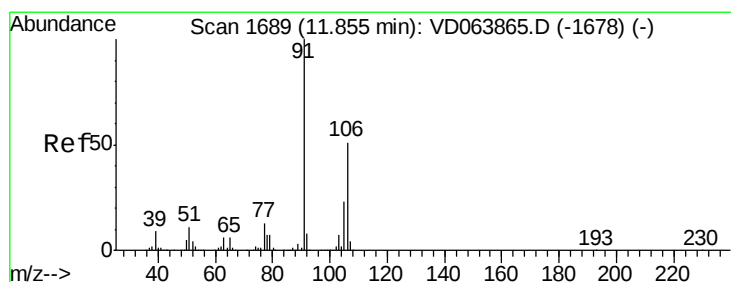
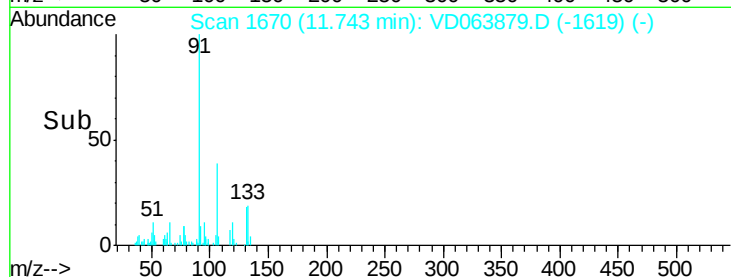
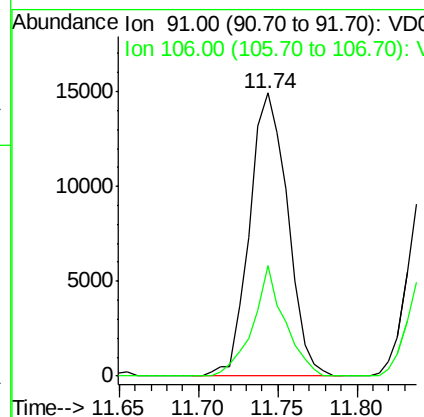
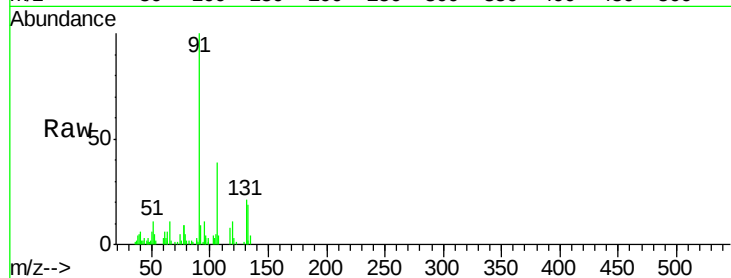
#67
Ethyl Benzene
Concen: 2.580 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
MDL05

Tot Ion: 91 Resp: 24917
Ion Ratio Lower Upper
91 100
106 38.9 24.6 37.0#

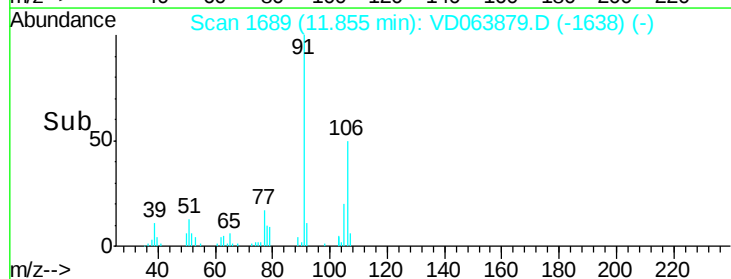
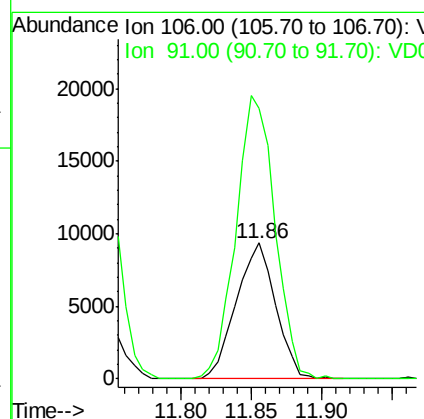
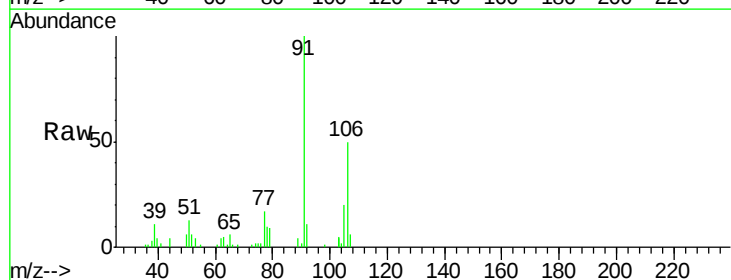
Manual Integrations
APPROVED

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10/4/2019 4:31:30 PM



#68
m/p-Xylenes
Concen: 4.895 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion: 106 Resp: 18249
Ion Ratio Lower Upper
106 100
91 206.6 154.8 232.2





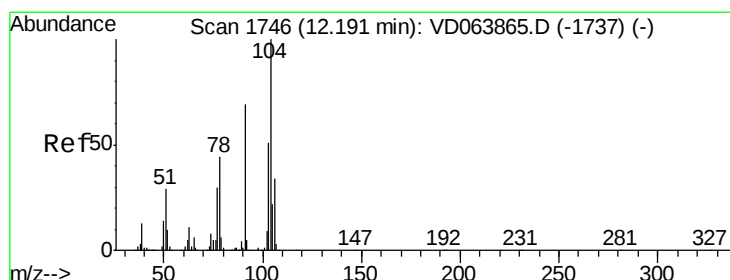
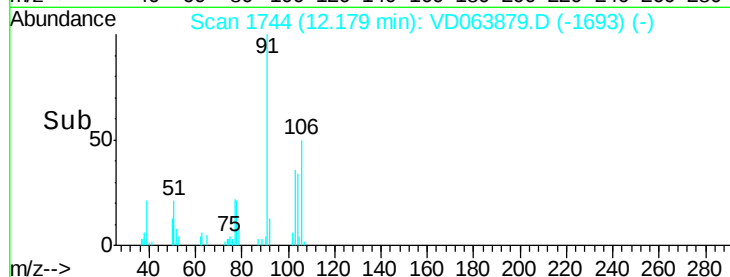
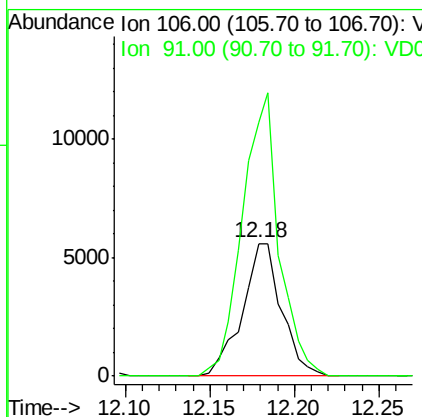
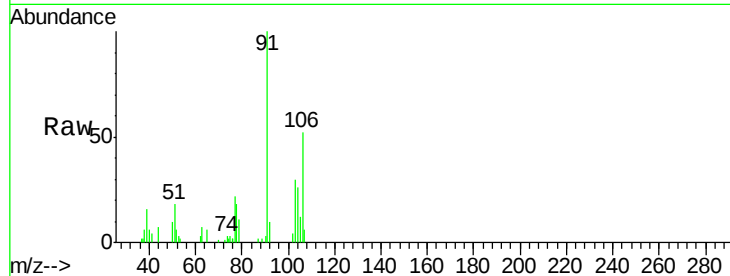
#69
o-Xylene
Concen: 2.549 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
106	100		
91	198.8	103.9	311.7

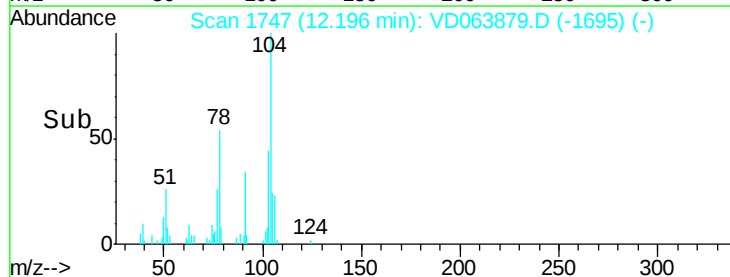
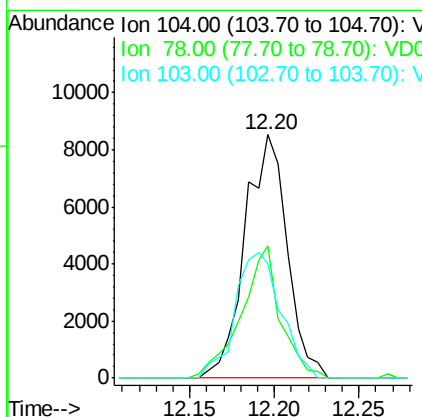
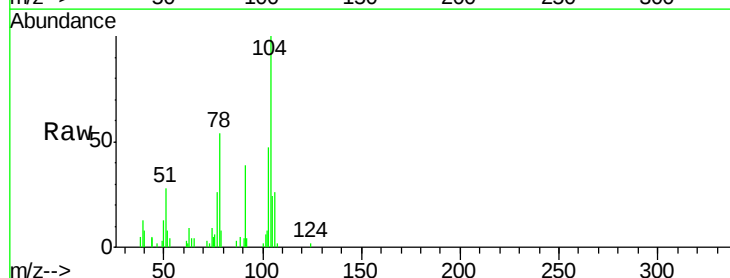
Manual Integrations
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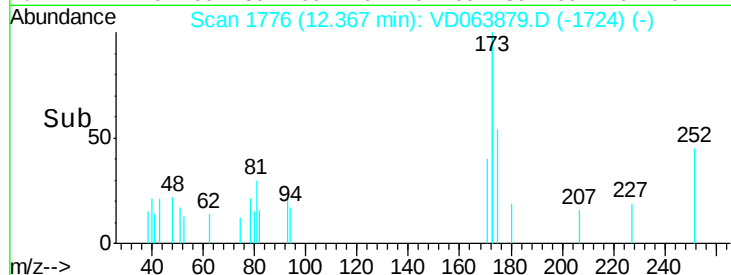
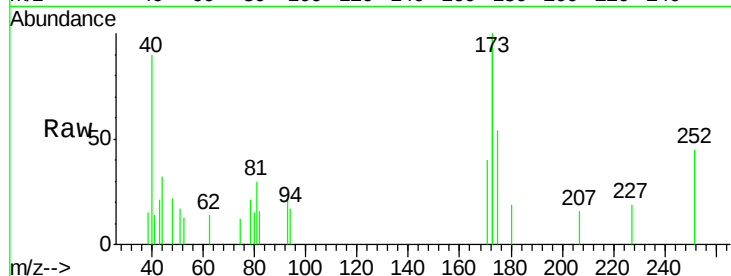
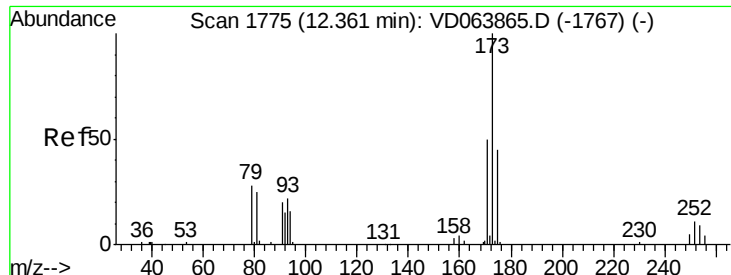
MMDadoda
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#70
Styrene
Concen: 2.442 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.6	37.0	55.4
103	55.9	44.2	66.4





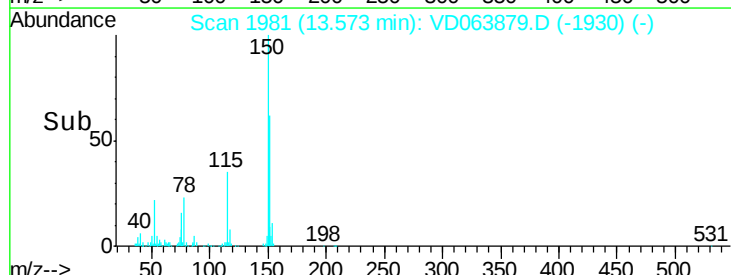
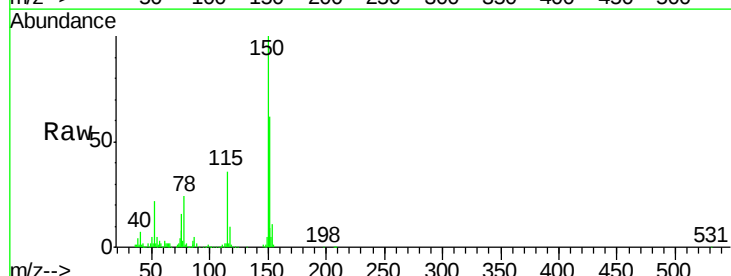
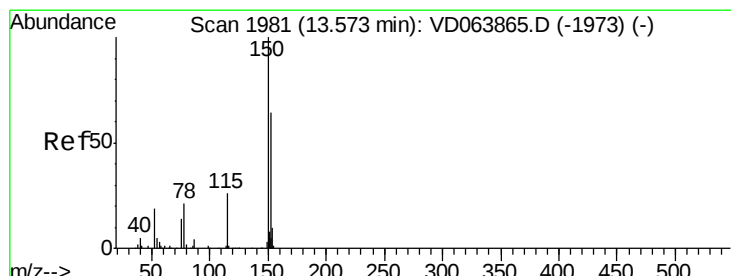
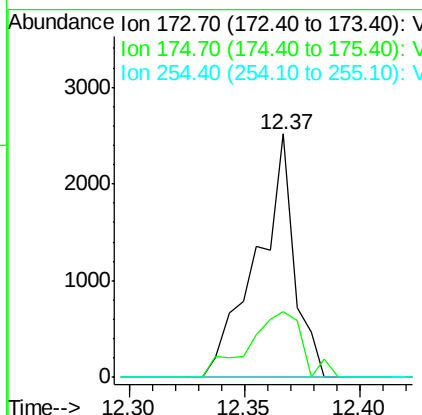
#71
Bromoform
Concen: 2.676 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tot Ion	Ratio	Lower	Upper
173	100		
175	38.7	24.6	74.0
254	0.0	0.0	0.0

Instrument :
MSVOA_D
ClientSampleId :
MDL05

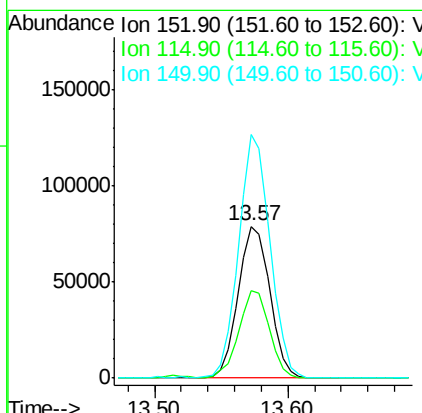
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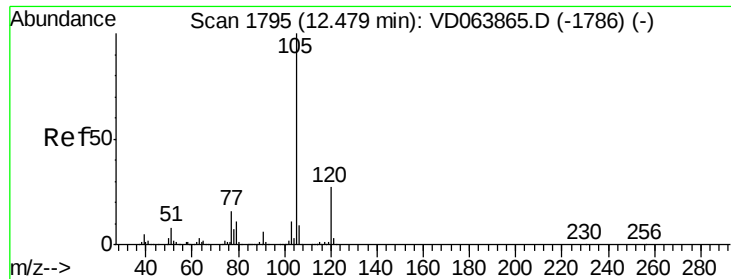
MMDadoda
10/4/2019 4:31:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	25.9	77.7
150	158.1	0.0	344.2





#73

Isopropylbenzene

Concen: 2.601 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

Tot Ion:105 Resp: 22756

Ion Ratio Lower Upper

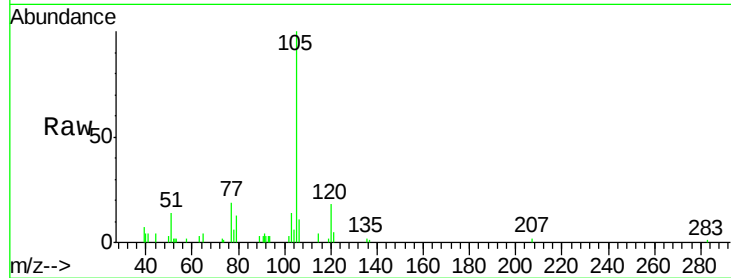
105 100

120 26.9 13.3 39.8

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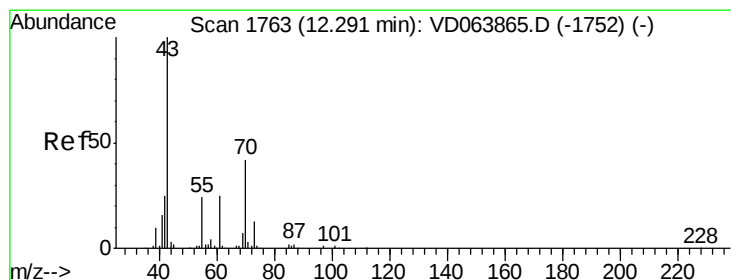
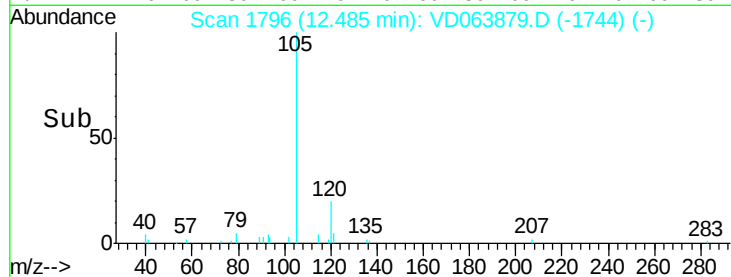
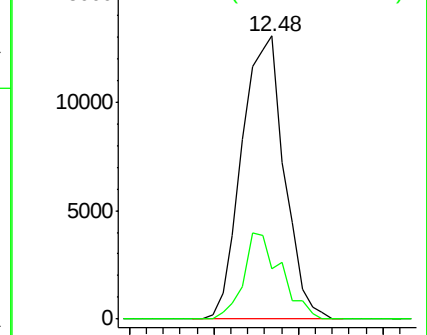
MMDadoda

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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: 2.942 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Tgt Ion: 43 Resp: 5542

Ion Ratio Lower Upper

43 100

70 47.5 35.8 53.6

55 27.9 19.4 29.0

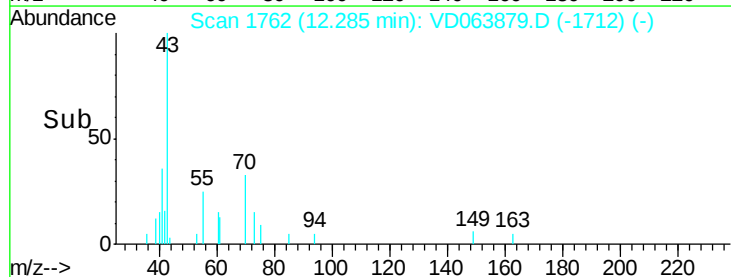
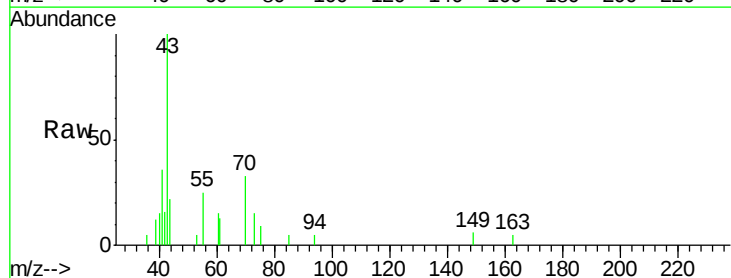
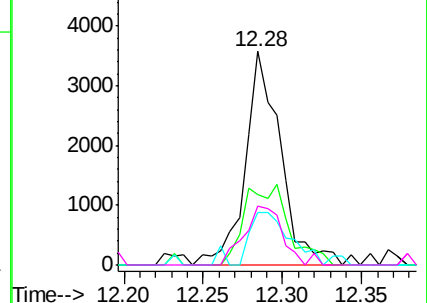
61 30.4 20.4 30.6

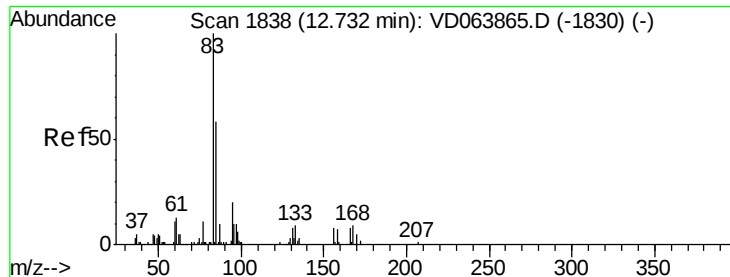
Abundance Ion 43.00 (42.70 to 43.70): V

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: 3.270 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

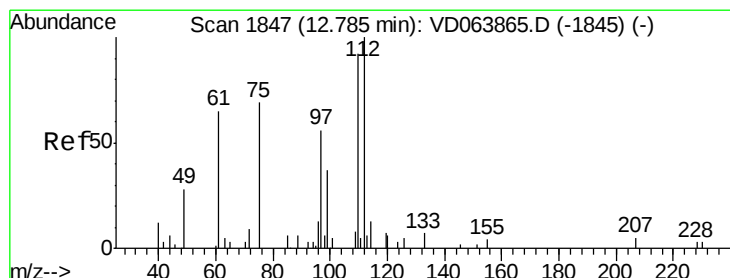
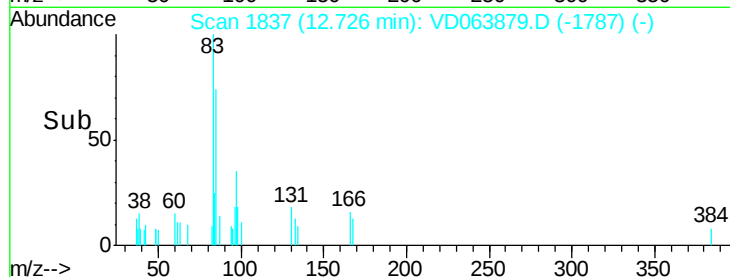
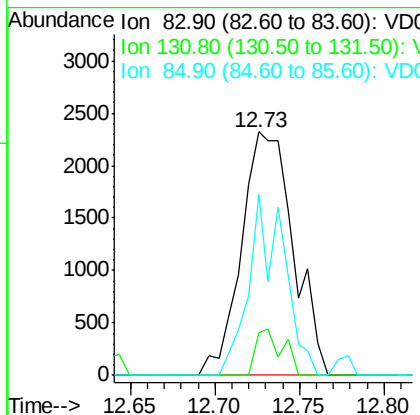
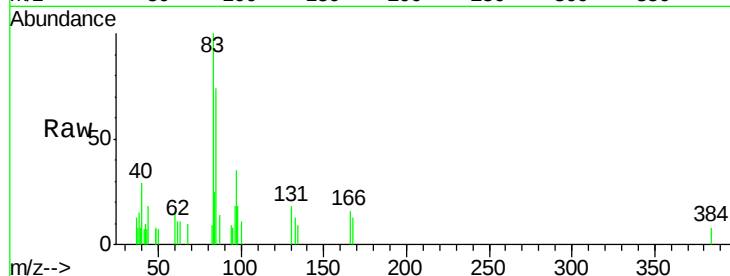
ClientSampleId :

MDL05

Tot Ion:	83	Resp:	4978
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.6	16.8
85	50.2	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 2.866 ug/l m

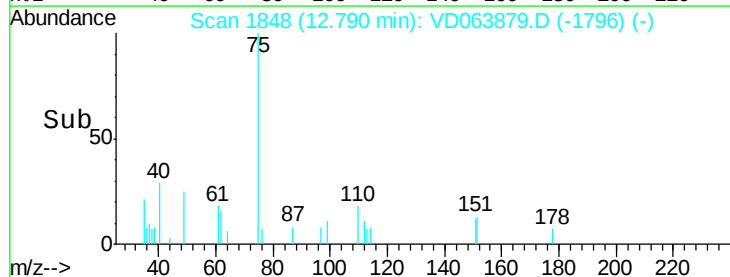
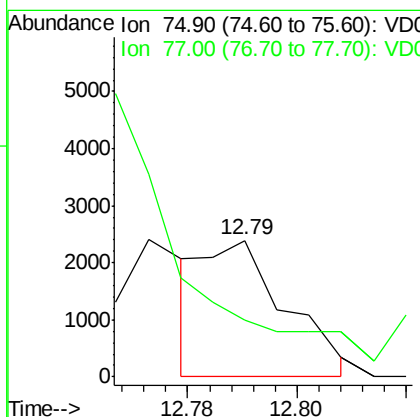
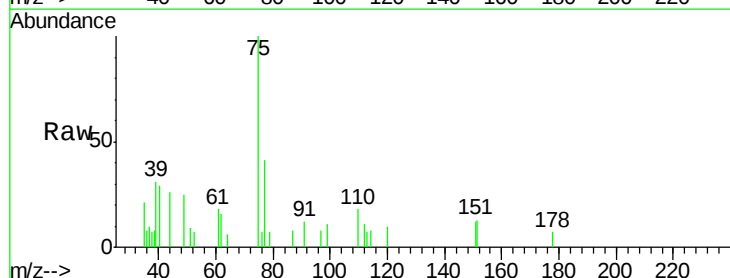
RT: 12.79 min Scan# 1848

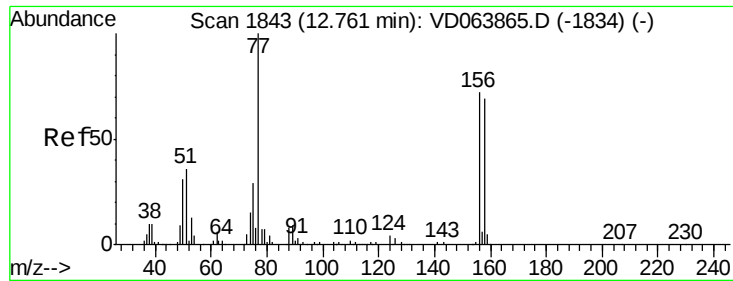
Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Tgt Ion:	75	Resp:	2498
Ion	Ratio	Lower	Upper
75	100		
77	455.4	0.0	0.0#





#77

Bromobenzene

Concen: 2.655 ug/l

RT: 12.76 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

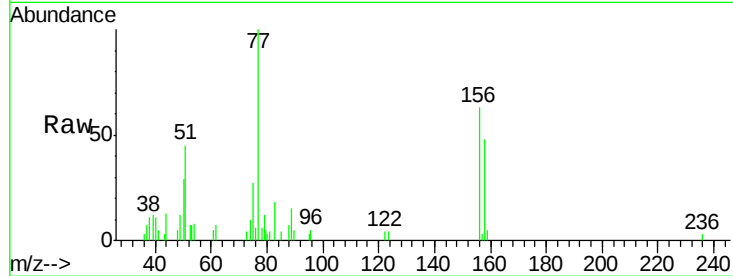
ClientSampled :

MDL05

Tot Ion	Ratio	Lower	Upper
156	100		
77	196.6	80.3	241.0
158	100.2	47.4	142.2

Manual Integrations
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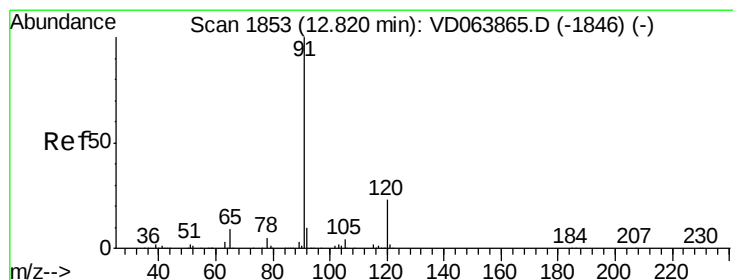
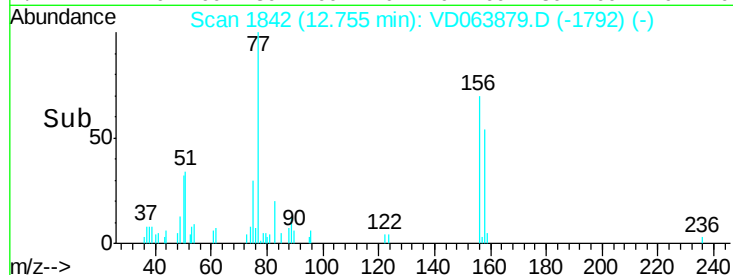
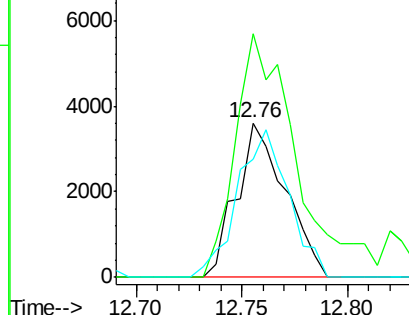
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.767 ug/l

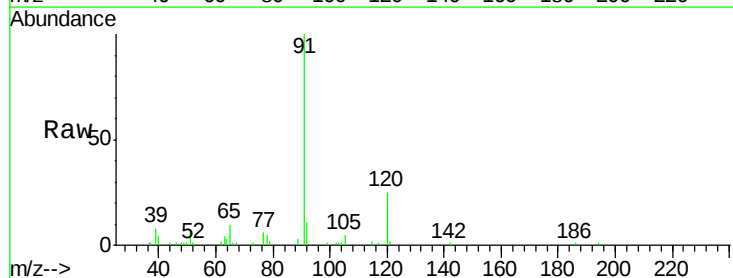
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063879.D

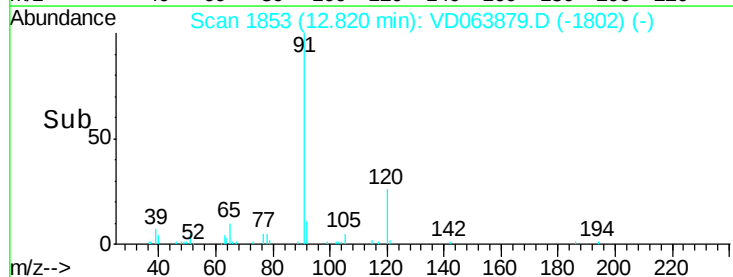
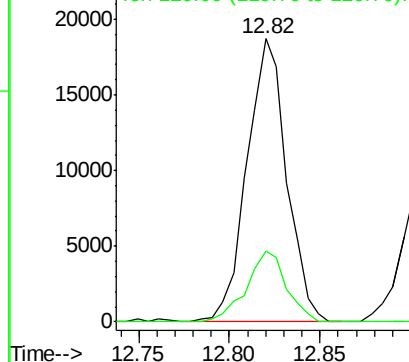
Acq: 03 Oct 2019 16:54

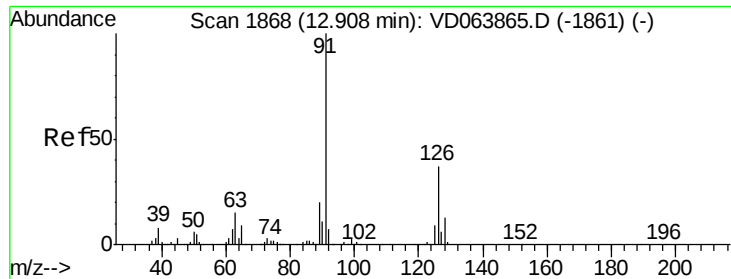
Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





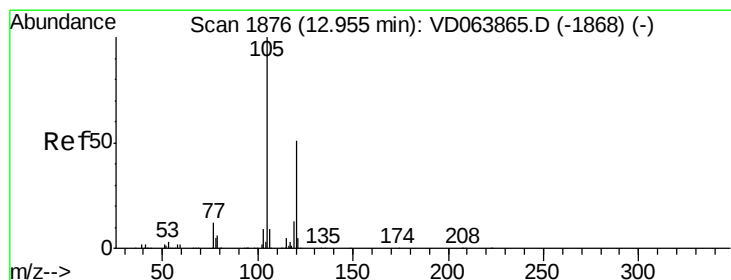
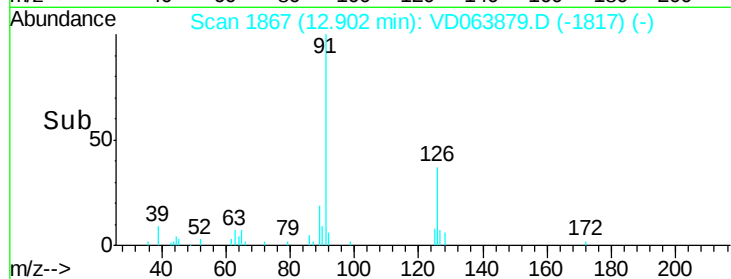
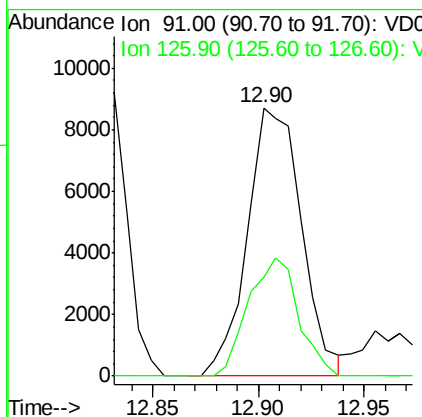
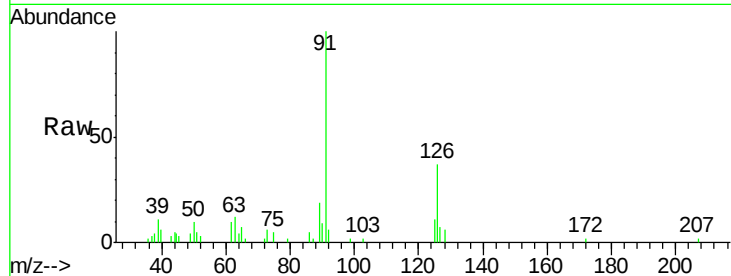
#79
 2-Chlorotoluene
 Concen: 2.744 ug/l
 RT: 12.90 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Instrument :
 MSVOA_D
 ClientSampled :
 MDL05

Tot Ion: 91 Resp: 15540
 Ion Ratio Lower Upper
 91 100
 126 40.6 18.4 55.2

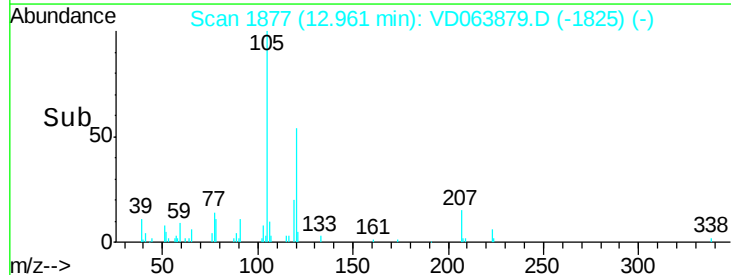
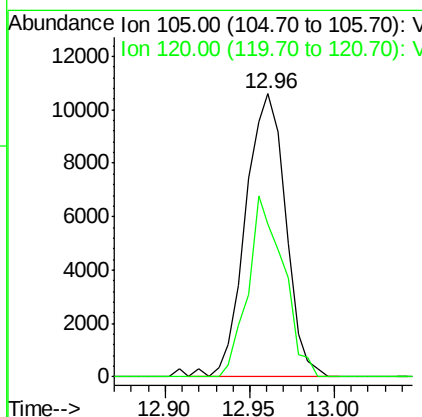
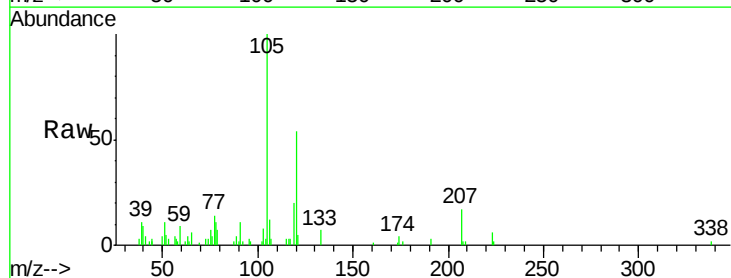
Manual Integrations
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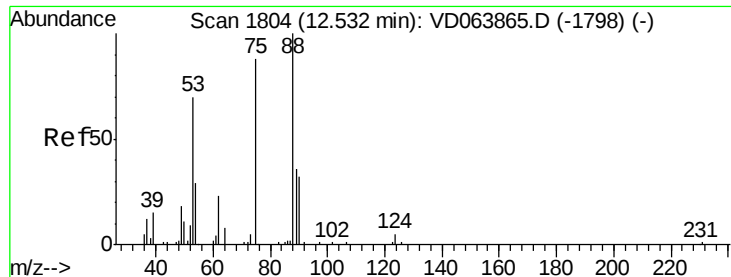
MMDadoda
 10/4/2019 4:31:30 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 2.395 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion: 105 Resp: 17484
 Ion Ratio Lower Upper
 105 100
 120 56.5 25.9 77.8





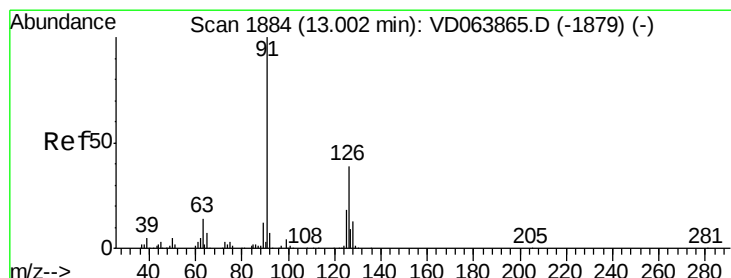
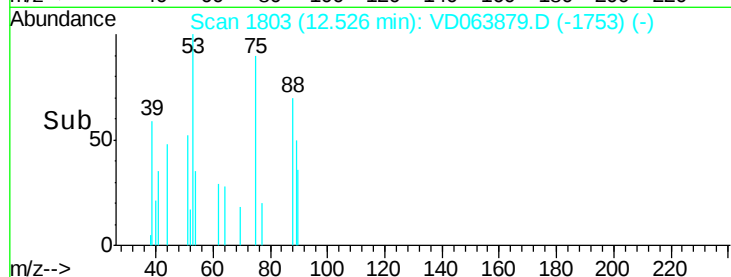
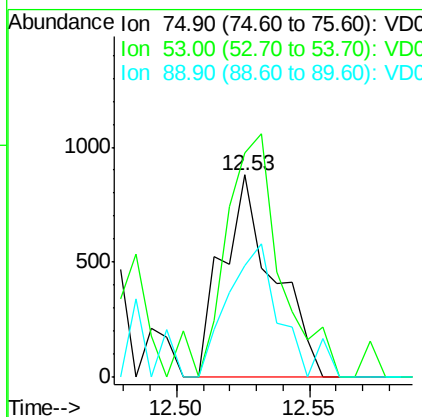
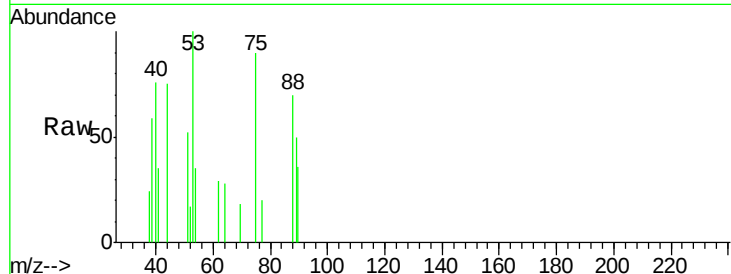
#81
trans-1,4-Dichloro-2-butene
Concen: 2.404 ug/l m
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
75	100		
53	18.7	75.0	112.6#
89	10.2	38.2	57.4#

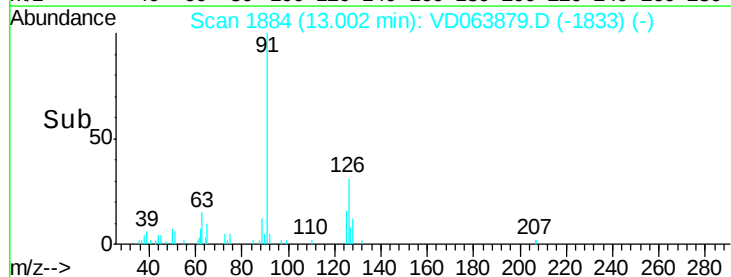
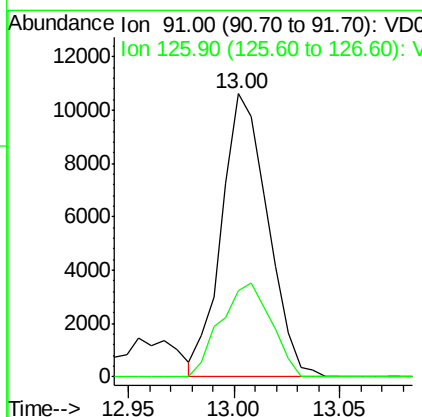
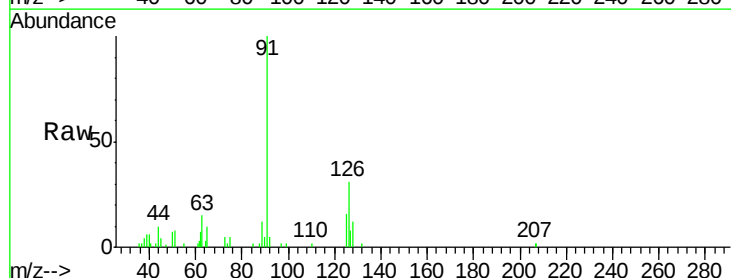
Manual Integrations
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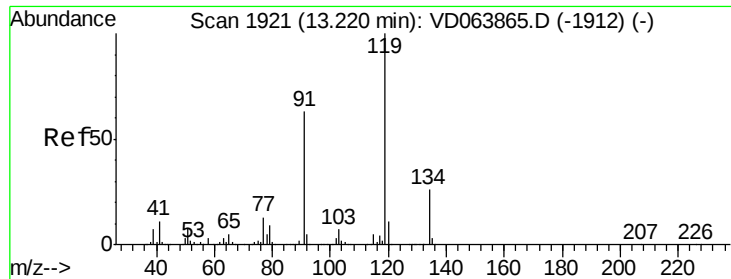
MMDadoda
10/4/2019 4:31:30 PM



#82
4-Chlorotoluene
Concen: 2.666 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.6	55.8





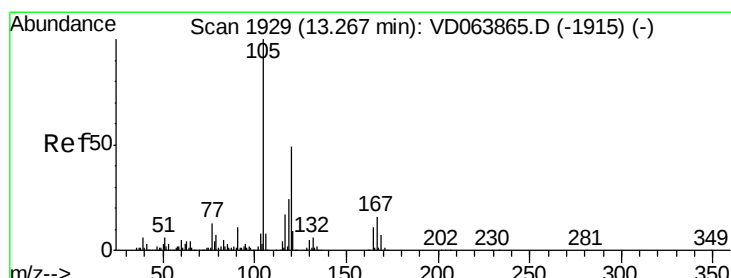
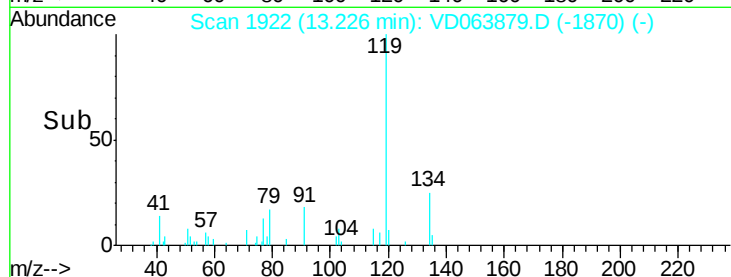
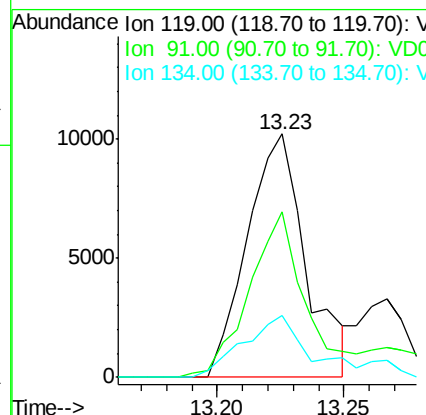
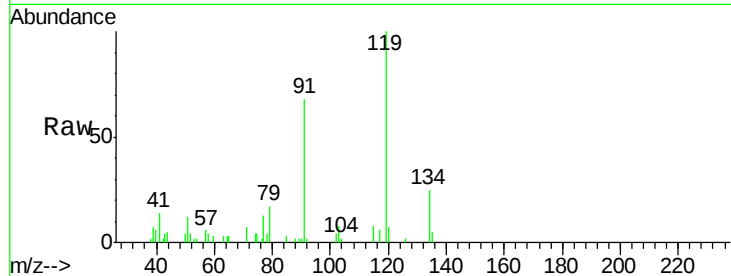
#83
tert-Butylbenzene
Concen: 2.543 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampled :
MDL05

Tot Ion	Ratio	Resp	Lower	Upper
119	100	16516		
91	65.3	30.0	90.0	
134	31.5	13.0	38.9	

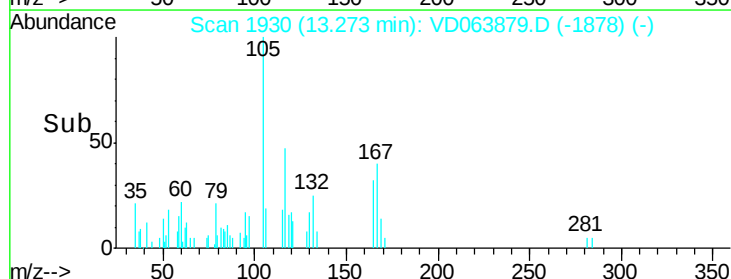
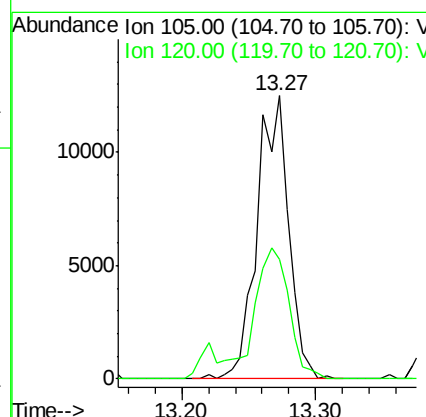
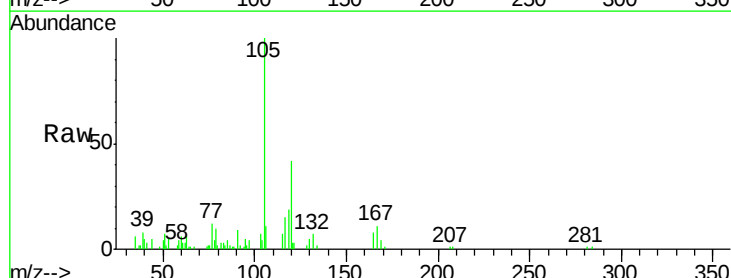
Manual Integrations
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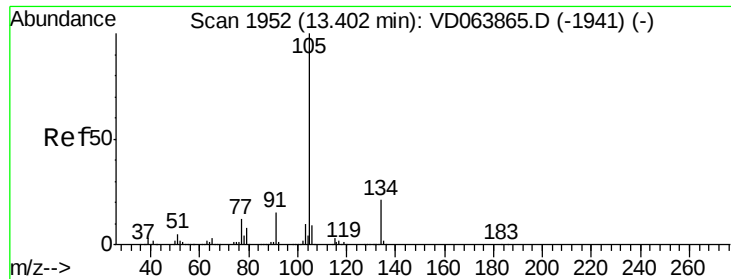
MMDadoda
10/4/2019 4:31:30 PM



#84
1,2,4-Trimethylbenzene
Concen: 2.698 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	20298		
120	50.6	23.8	71.5	





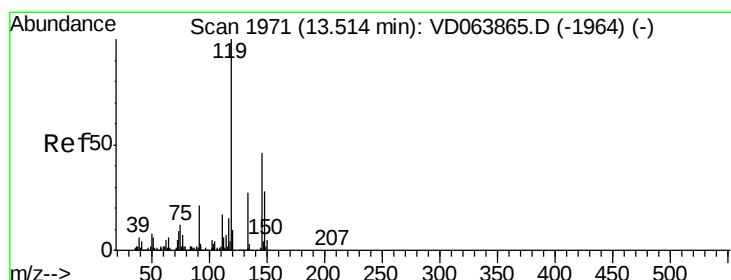
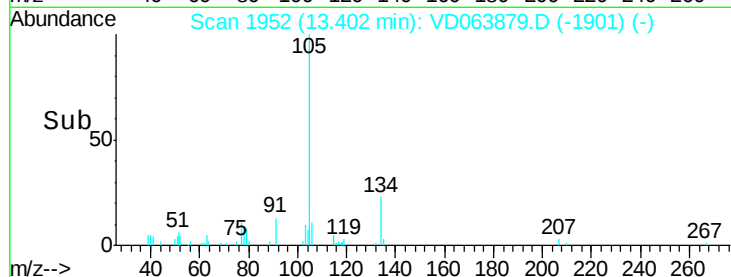
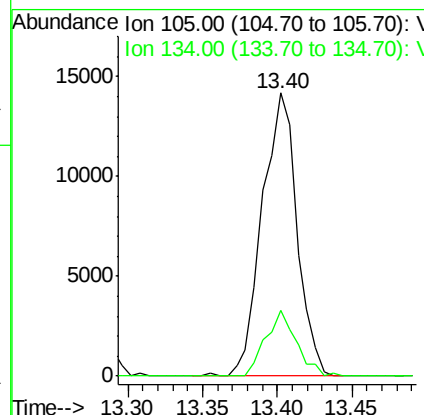
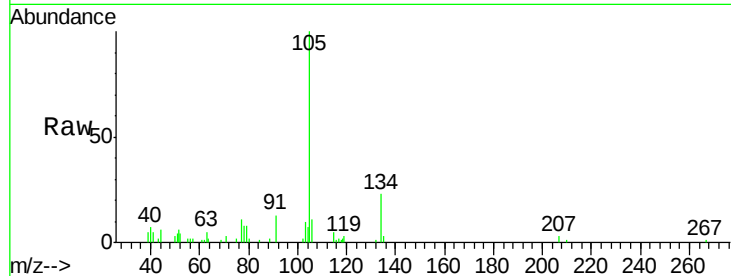
#85
 sec-Butylbenzene
 Concen: 2.604 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.6	31.8

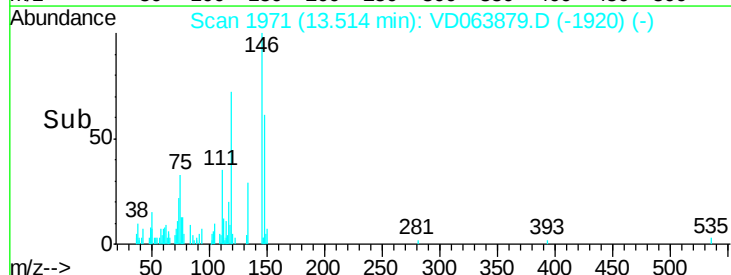
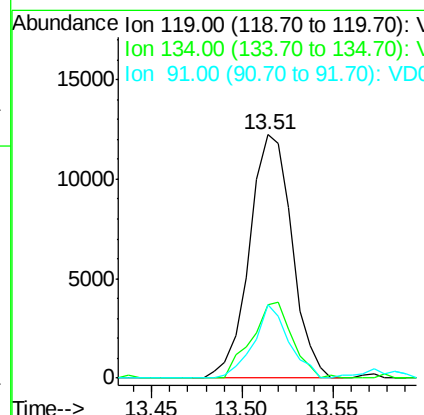
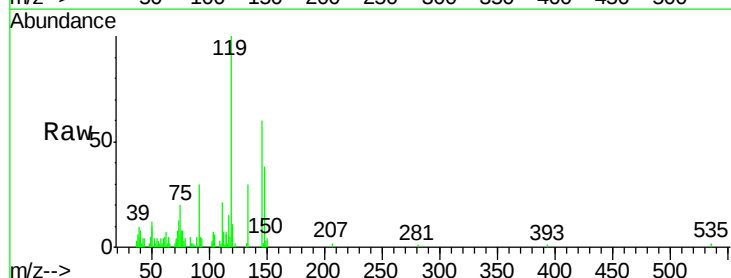
Manual Integrations
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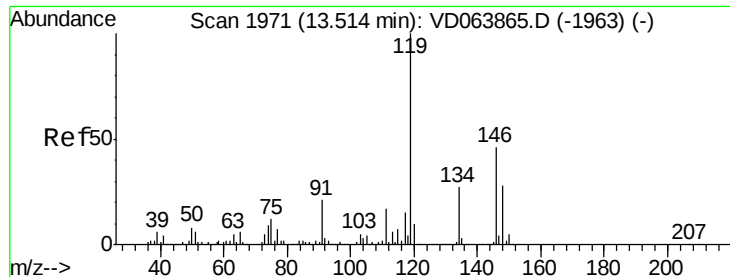
MMDadoda
 10/4/2019 4:31:30 PM



#86
 p-Isopropyltoluene
 Concen: 2.403 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	29.8	13.9	41.6
91	25.0	11.2	33.5





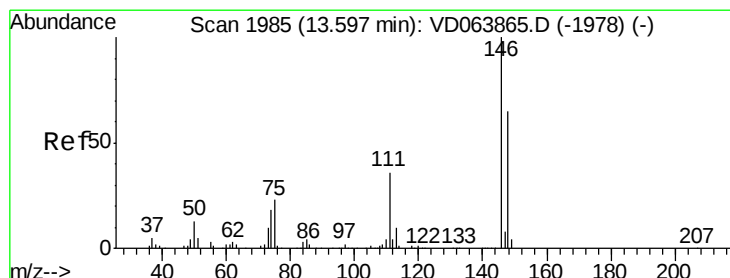
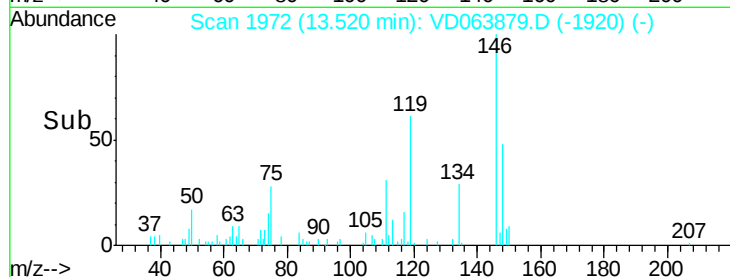
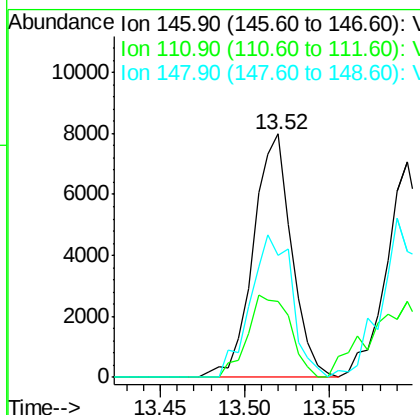
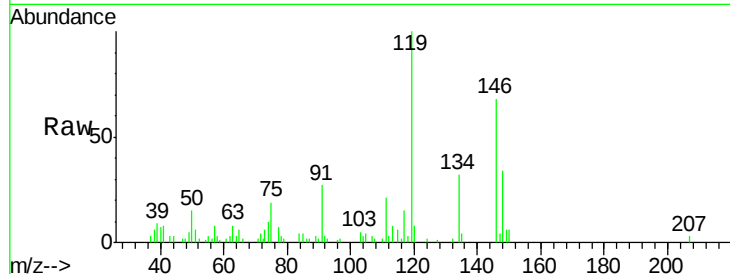
#87
 1,3-Dichlorobenzene
 Concen: 2.925 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Instrument :
 MSVOA_D
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.3	54.9
148	63.4	31.8	95.4

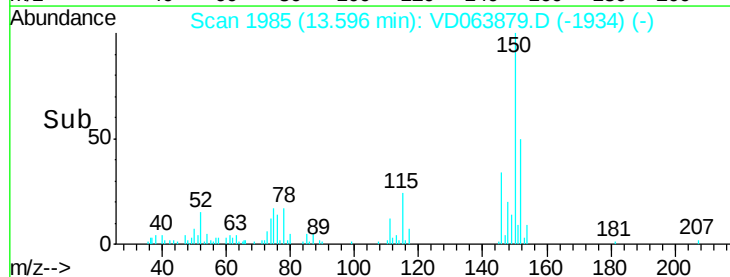
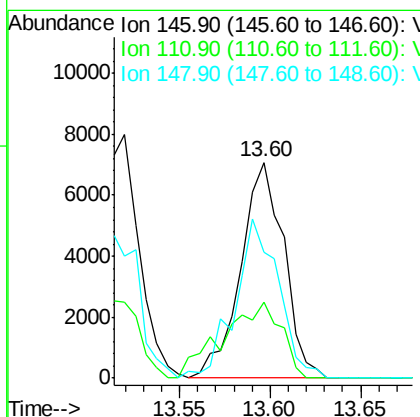
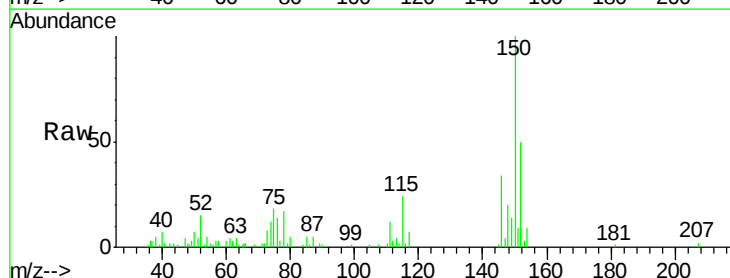
Manual Integrations
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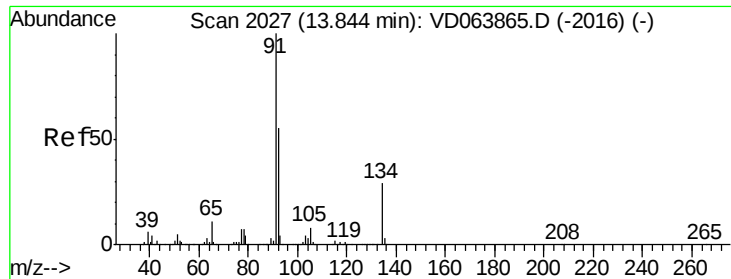
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#88
 1,4-Dichlorobenzene
 Concen: 2.756 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.8	18.6	56.0
148	74.5	32.6	98.0





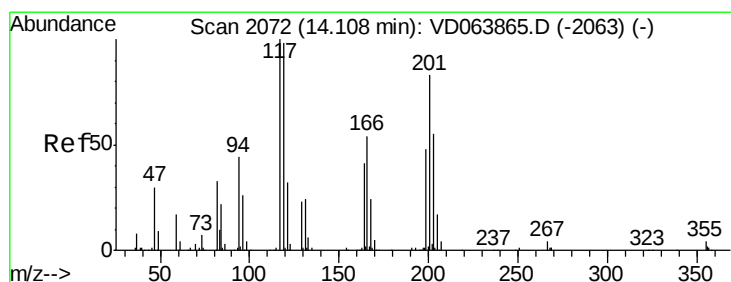
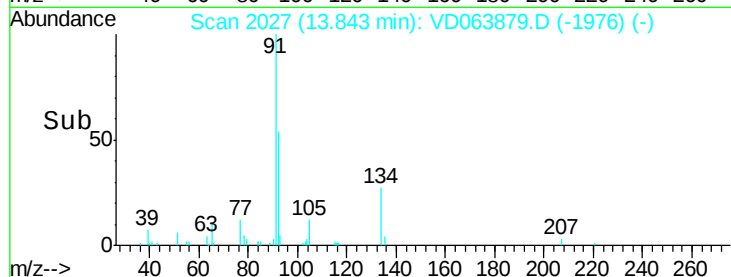
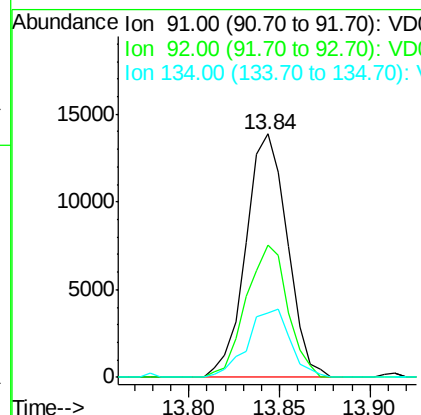
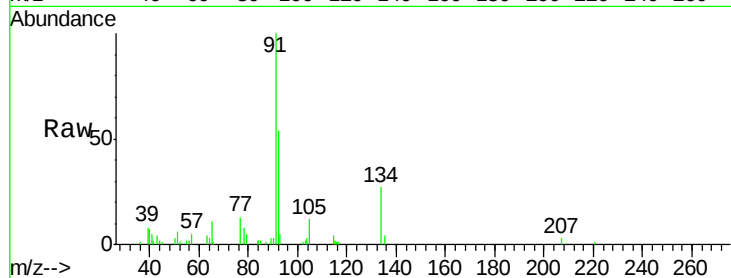
#89
n-Butylbenzene
Concen: 2.851 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	26.8	80.3
134	29.1	14.4	43.0

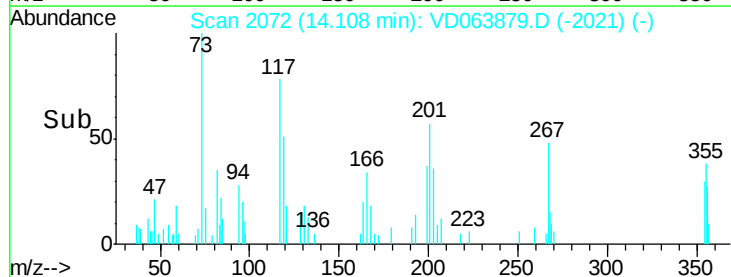
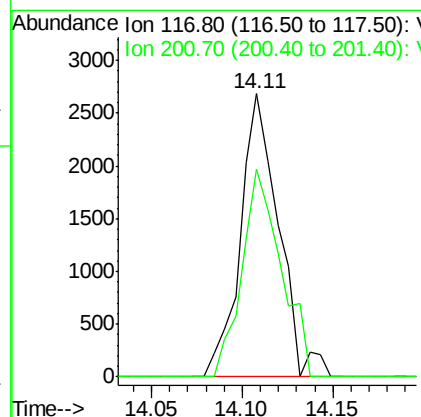
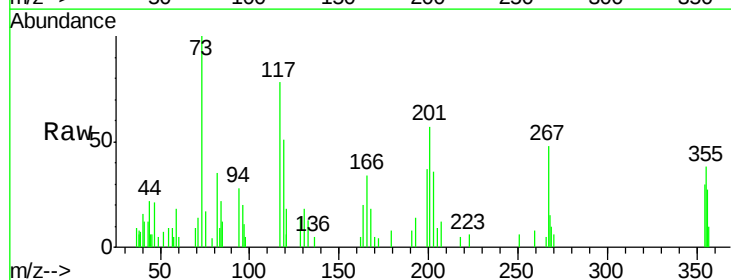
Manual Integrations
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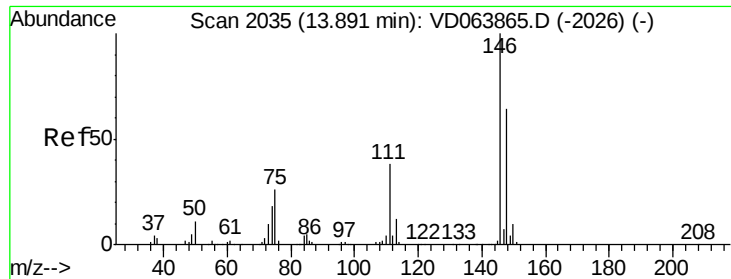
MMDadoda
10/4/2019 4:31:30 PM



#90
Hexachloroethane
Concen: 2.624 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.3	40.6	121.7





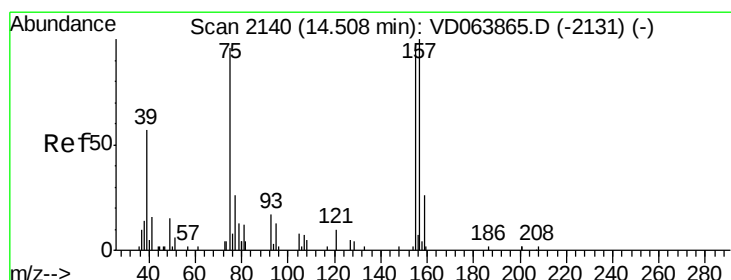
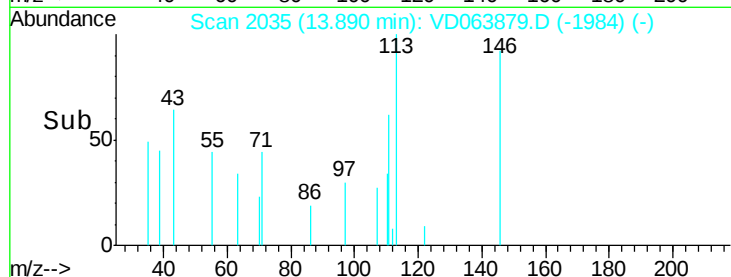
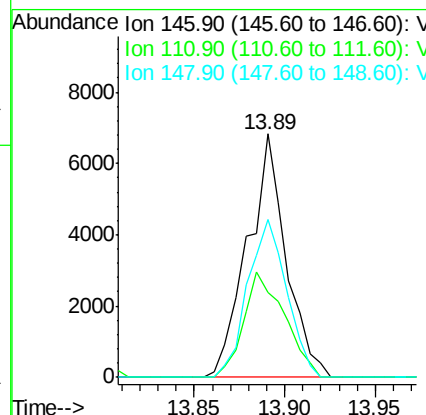
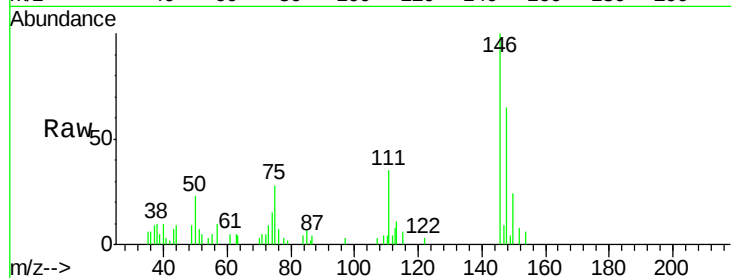
#91
 1,2-Dichlorobenzene
 Concen: 2.719 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Instrument :
 MSVOA_D
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	18.6	55.6
148	65.6	31.6	95.0

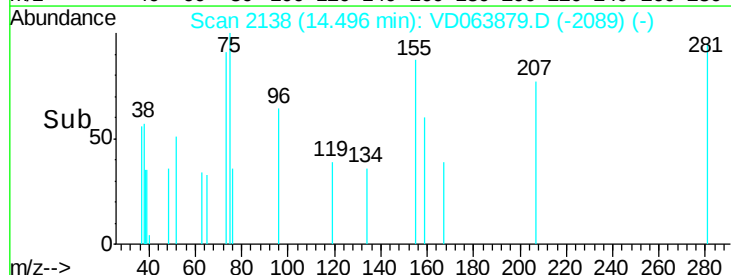
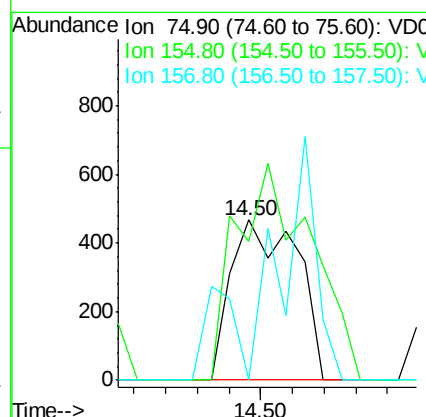
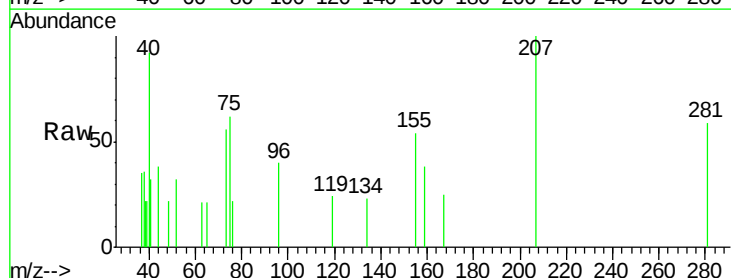
Manual Integrations
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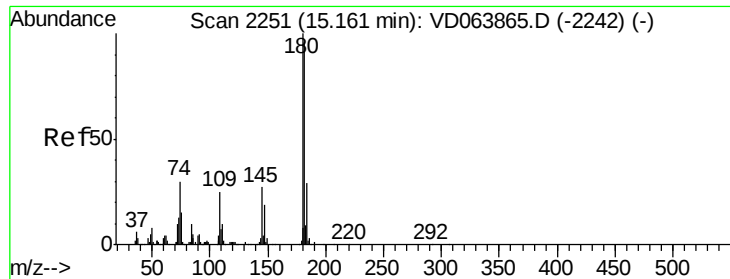
MMDadoda
 10/4/2019 4:31:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.567 ug/l
 RT: 14.50 min Scan# 2138
 Delta R.T. -0.01 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	153.1	43.9	131.6#
157	26.8	56.0	167.9#





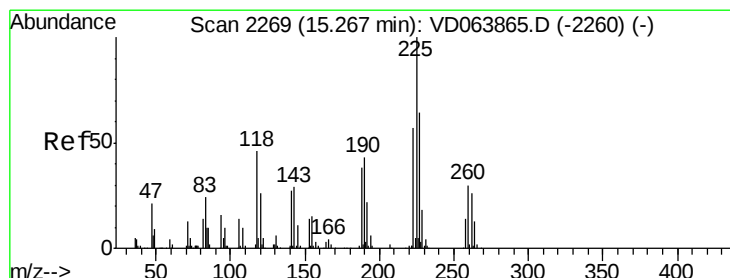
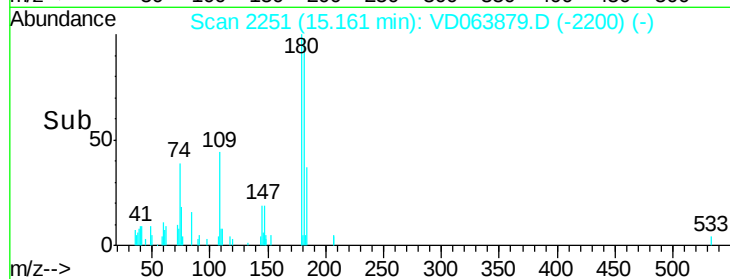
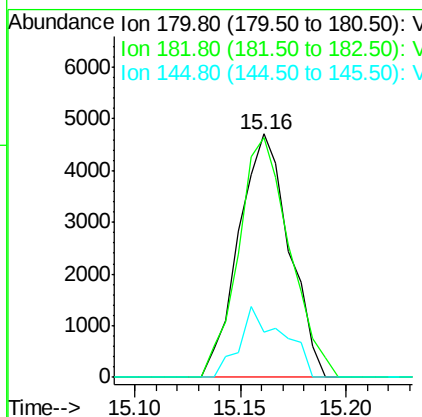
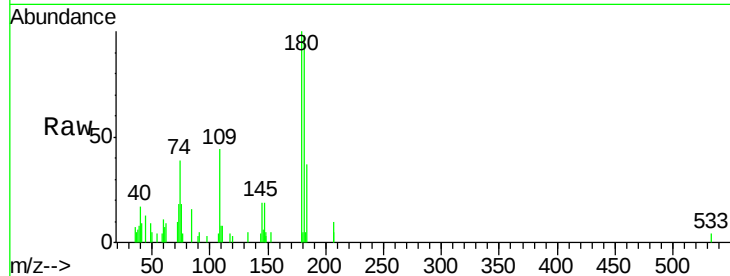
#93
 1,2,4-Trichlorobenzene
 Concen: 2.731 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.1	47.4	142.3
145	24.7	13.9	41.7

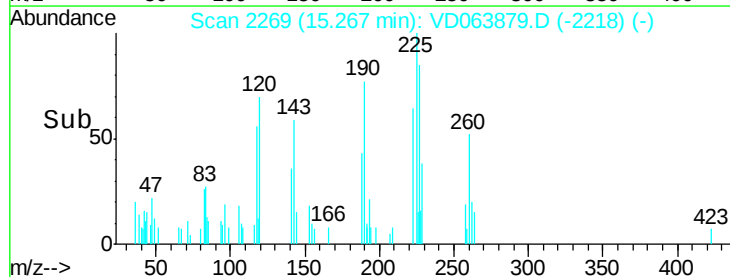
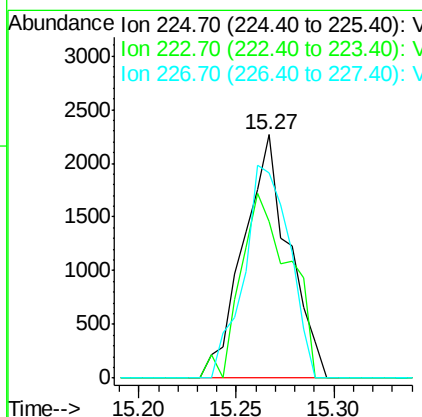
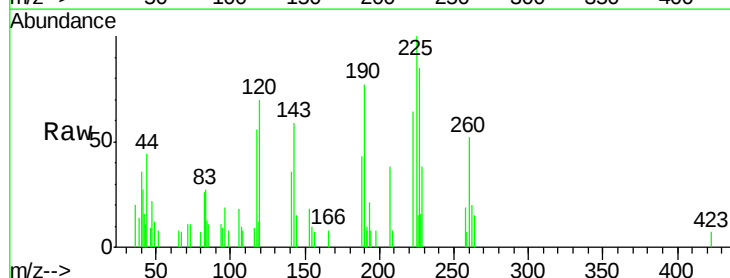
Manual Integrations
 APPROVED

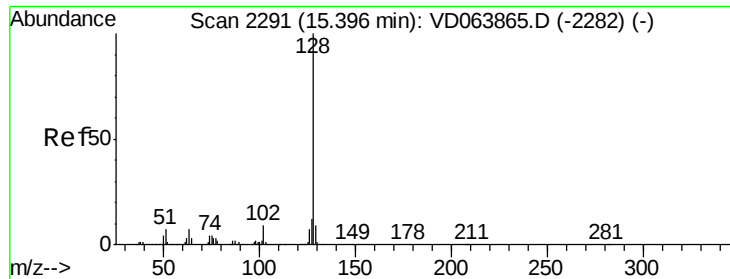
MMDadoda
 10/4/2019 4:31:30 PM



#94
 Hexachlorobutadiene
 Concen: 2.323 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	81.1	29.5	88.6
227	87.8	30.8	92.4





#95

Naphthalene

Concen: 2.562 ug/l

RT: 15.40 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

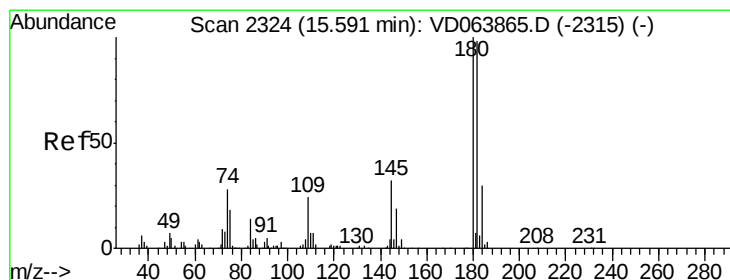
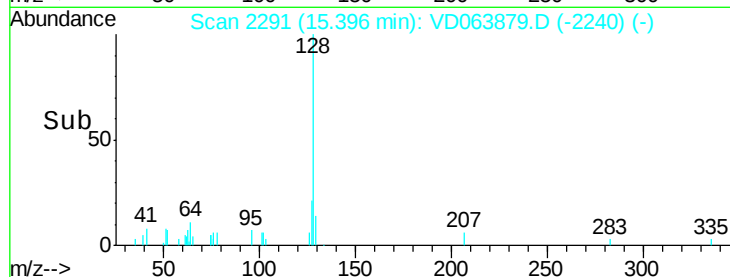
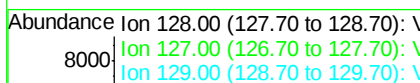
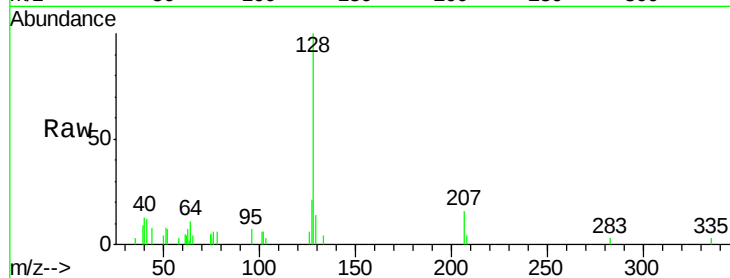
ClientSampleId :

MDL05

Tot Ion:	128	Resp:	12331
Ion Ratio	Lower	Upper	
128	100		
127	16.4	10.6	16.0#
129	12.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 2.765 ug/l

RT: 15.59 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Tgt Ion:	180	Resp:	6832
Ion Ratio	Lower	Upper	
180	100		
182	84.2	47.0	141.0
145	30.7	15.3	45.9

