

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063872.D
 Acq On : 02 Oct 2019 21:25
 Operator : VA/SY
 Sample : MDL04
 Misc : 5.00µ/5.00mL/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 4:33:01 PM

Quant Time: Oct 03 04:49:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:40:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	168194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	276760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	270731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	133442	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	88902	54.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.58%	
35) Dibromofluoromethane	7.91	113	82648	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
50) Toluene-d8	10.34	98	341564	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.63	95	106939	44.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	3721	3.120	ug/l	90
3) Chloromethane	2.20	50	11758	3.219	ug/l	98
4) Vinyl Chloride	2.35	62	12977	3.366	ug/l	96
5) Bromomethane	2.77	94	7703	3.108	ug/l	82
6) Chloroethane	2.92	64	8101	3.177	ug/l #	86
7) Trichlorofluoromethane	3.27	101	15085	2.960	ug/l #	76
8) Diethyl Ether	3.71	74	2559m	3.128	ug/l	
9) 1,1,2-Trichlorotrifluoroet	4.09	101	4376	3.102	ug/l #	40
10) Methyl Iodide	4.28	142	4790	2.464	ug/l #	43
11) Tert butyl alcohol	5.25	59	1510m	13.001	ug/l	
12) 1,1-Dichloroethene	4.07	96	4534	3.216	ug/l	92
13) Acrolein	3.93	56	2583m	17.661	ug/l	
14) Allyl chloride	4.72	41	7336	3.130	ug/l	95
15) Acrylonitrile	5.45	53	5532	15.337	ug/l #	17
16) Acetone	4.18	43	7268	17.048	ug/l #	53
17) Carbon Disulfide	4.40	76	15051	2.937	ug/l #	85
18) Methyl Acetate	4.73	43	3009	3.609	ug/l #	80
19) Methyl tert-butyl Ether	5.50	73	9900m	2.712	ug/l	
20) Methylene Chloride	4.96	84	13149	6.009	ug/l	90
21) trans-1,2-Dichloroethene	5.46	96	5460m	3.111	ug/l	
22) Diisopropyl ether	6.37	45	15279	3.192	ug/l #	89
23) Vinyl Acetate	6.31	43	37813	13.280	ug/l #	92
24) 1,1-Dichloroethane	6.26	63	9363	3.176	ug/l #	89
25) 2-Butanone	7.24	43	7444	14.733	ug/l	91
26) 2,2-Dichloropropane	7.21	77	8319	3.119	ug/l	93
27) cis-1,2-Dichloroethene	7.21	96	5514	2.776	ug/l	87
28) Bromochloromethane	7.54	49	4419	4.000	ug/l #	79
29) Tetrahydrofuran	7.57	42	4290	14.547	ug/l #	45
30) Chloroform	7.72	83	10348	3.232	ug/l	88
31) Cyclohexane	7.99	56	11609	4.200	ug/l #	82
32) 1,1,1-Trichloroethane	7.91	97	7386m	2.689	ug/l	
36) 1,1-Dichloropropene	8.11	75	7106	2.808	ug/l	99
37) Ethyl Acetate	7.30	43	5072	4.417	ug/l #	90
38) Carbon Tetrachloride	8.10	117	6814	2.665	ug/l #	93

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	9052	2.909	ug/l #	74
40) Benzene	8.36	78	20098	2.772	ug/l #	88
41) Methacrylonitrile	7.52	41	1899m	3.237	ug/l	
42) 1,2-Dichloroethane	8.43	62	5972	2.847	ug/l	81
43) Isopropyl Acetate	8.46	43	6252	2.946	ug/l #	72
44) Trichloroethene	9.12	130	5538	2.648	ug/l	79
45) 1,2-Dichloropropane	9.39	63	5023	2.830	ug/l #	85
46) Dibromomethane	9.47	93	3116	3.083	ug/l	83
47) Bromodichloromethane	9.67	83	6008	2.308	ug/l #	96
48) Methyl methacrylate	9.46	41	2702	2.657	ug/l #	82
49) 1,4-Dioxane	9.47	88	534	38.701	ug/l #	3
51) 4-Methyl-2-Pentanone	10.23	43	16673	15.149	ug/l	91
52) Toluene	10.40	92	14664	2.946	ug/l	88
53) t-1,3-Dichloropropene	10.62	75	6442	2.537	ug/l #	82
54) cis-1,3-Dichloropropene	10.10	75	7271	2.487	ug/l #	86
55) 1,1,2-Trichloroethane	10.80	97	4189	2.935	ug/l #	70
56) Ethyl methacrylate	10.66	69	4692	2.596	ug/l #	80
57) 1,3-Dichloropropane	10.94	76	6696	2.742	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.95	63	9567	12.314	ug/l	90
59) 2-Hexanone	10.99	43	10389	13.049	ug/l	93
60) Dibromochloromethane	11.14	129	4381	2.358	ug/l	99
61) 1,2-Dibromoethane	11.24	107	3168	2.290	ug/l #	78
64) Tetrachloroethene	10.87	164	5105	2.762	ug/l #	77
65) Chlorobenzene	11.67	112	14631	2.691	ug/l #	84
66) 1,1,1,2-Tetrachloroethane	11.74	131	4778	2.385	ug/l	95
67) Ethyl Benzene	11.74	91	25120	2.562	ug/l	96
68) m/p-Xylenes	11.86	106	20419	5.396	ug/l	90
69) o-Xylene	12.18	106	9086	2.508	ug/l	94
70) Styrene	12.20	104	14483	2.361	ug/l	97
71) Bromoform	12.36	173	2229	2.073	ug/l #	92
73) Isopropylbenzene	12.48	105	22963	2.560	ug/l	97
74) N-amyl acetate	12.29	43	5856	3.032	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.73	83	4443	2.846	ug/l	89
76) 1,2,3-Trichloropropane	12.78	75	2709m	3.031	ug/l	
77) Bromobenzene	12.76	156	5622	2.515	ug/l	82
78) n-propylbenzene	12.82	91	27575	2.619	ug/l	95
79) 2-Chlorotoluene	12.91	91	16905	2.912	ug/l	91
80) 1,3,5-Trimethylbenzene	12.96	105	19678	2.629	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	1321m	2.616	ug/l	
82) 4-Chlorotoluene	13.00	91	16719	2.715	ug/l	99
83) tert-Butylbenzene	13.22	119	16591	2.491	ug/l	94
84) 1,2,4-Trimethylbenzene	13.27	105	20078	2.602	ug/l	97
85) sec-Butylbenzene	13.40	105	22634	2.516	ug/l	94
86) p-Isopropyltoluene	13.51	119	19839	2.331	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	11741	2.659	ug/l	96
88) 1,4-Dichlorobenzene	13.59	146	12370	2.839	ug/l	92
89) n-Butylbenzene	13.84	91	20316	2.564	ug/l	98
90) Hexachloroethane	14.11	117	4172	2.725	ug/l	88
91) 1,2-Dichlorobenzene	13.89	146	9813	2.579	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.50	75	709	2.625	ug/l	91

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ClientSampleId :
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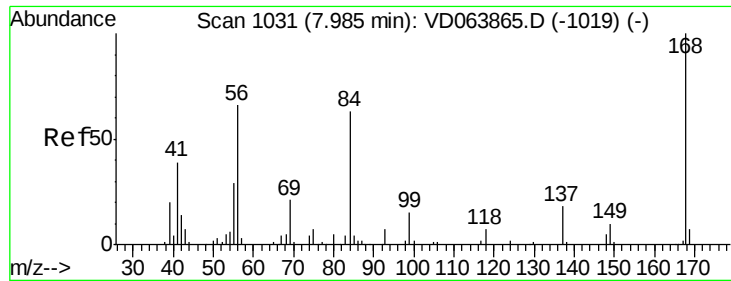
Manual Integrations
APPROVED

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10/4/2019 4:33:01 PM

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	7684	2.617	ug/l	95
94) Hexachlorobutadiene	15.27	225	3769	2.326	ug/l	82
95) Naphthalene	15.40	128	12694	2.572	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.59	180	6662	2.629	ug/l	88

(#) = 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: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

ClientSampled :

MDL04

Tot Ion:168 Resp: 168194

Ion Ratio Lower Upper

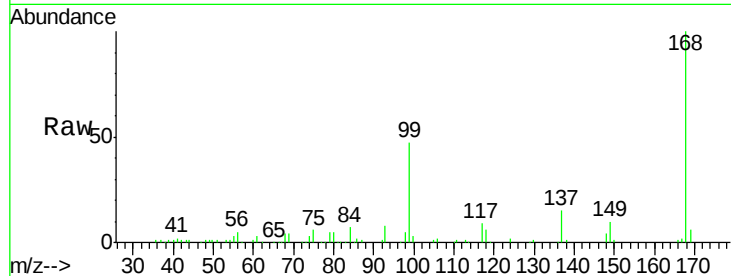
168 100

99 47.3 43.0 64.4

Manual Integrations
APPROVED

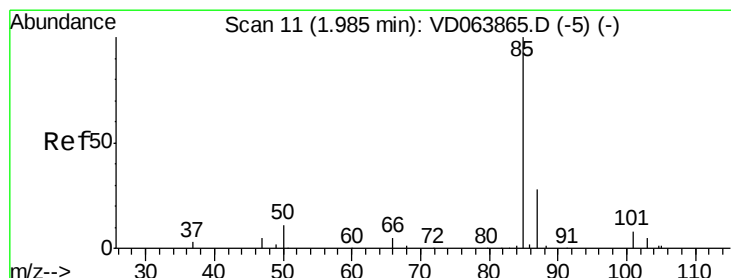
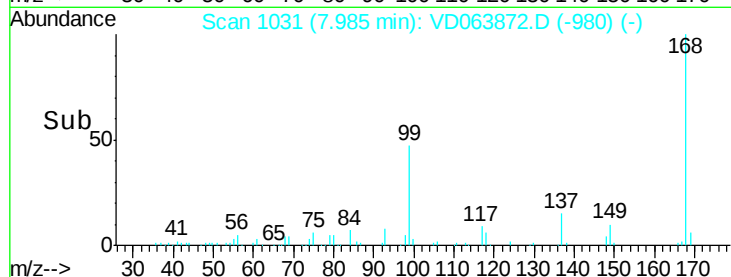
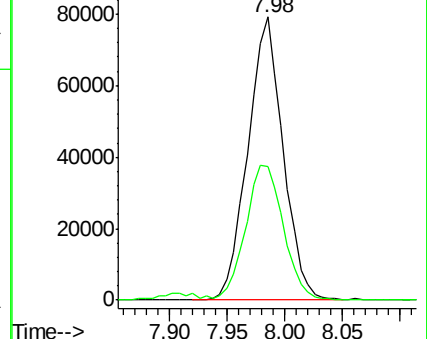
MMDadoda

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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: 3.120 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063872.D

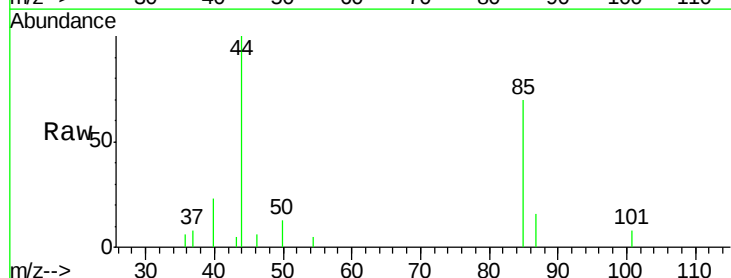
Acq: 02 Oct 2019 21:25

Tgt Ion: 85 Resp: 3721

Ion Ratio Lower Upper

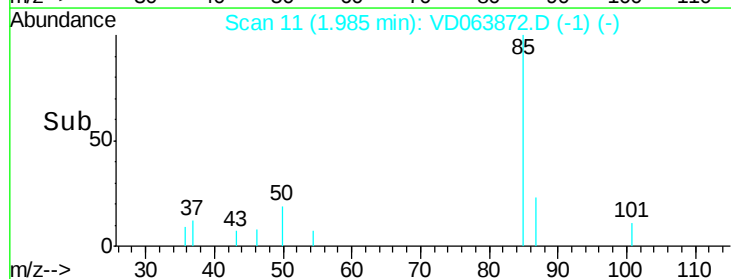
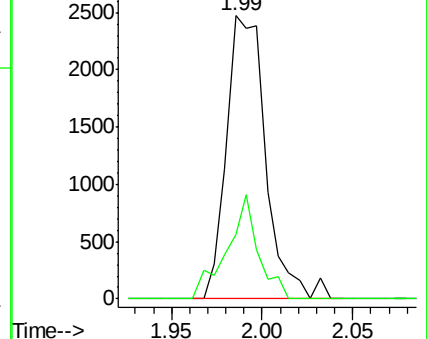
85 100

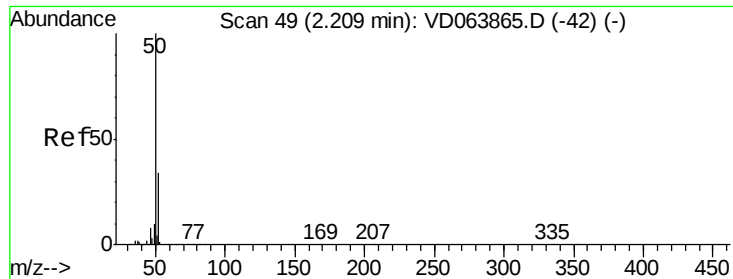
87 22.8 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 3.219 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

ClientSampled :

MDL04

Tot Ion: 50 Resp: 11758

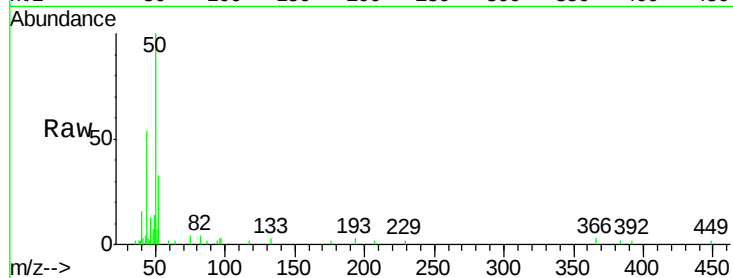
Ion Ratio Lower Upper

50 100

52 33.0 27.5 41.3

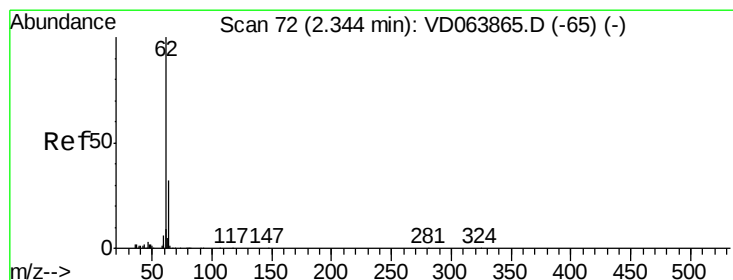
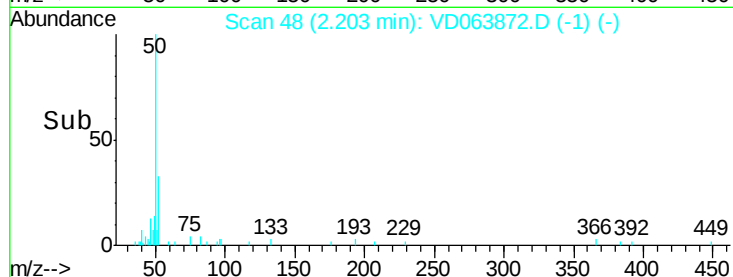
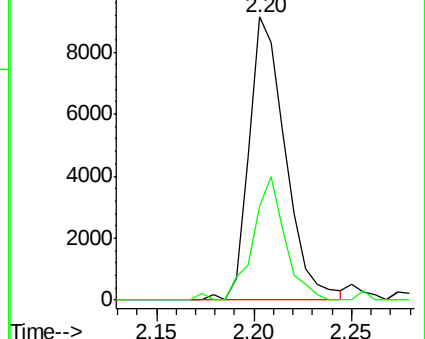
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 3.366 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063872.D

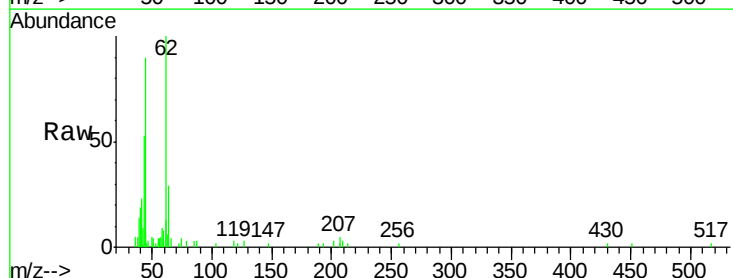
Acq: 02 Oct 2019 21:25

Tgt Ion: 62 Resp: 12977

Ion Ratio Lower Upper

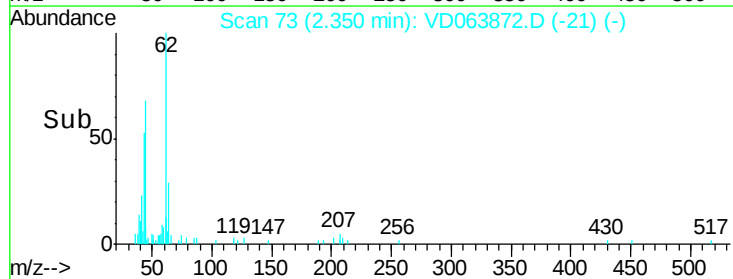
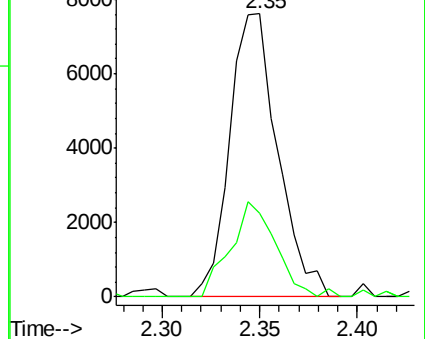
62 100

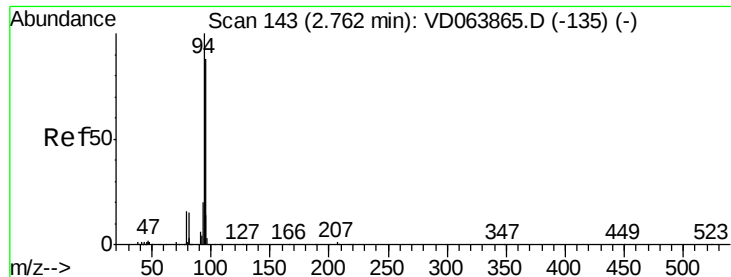
64 29.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 3.108 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

ClientSampleId :

MDL04

Tot Ion: 94 Resp: 7703

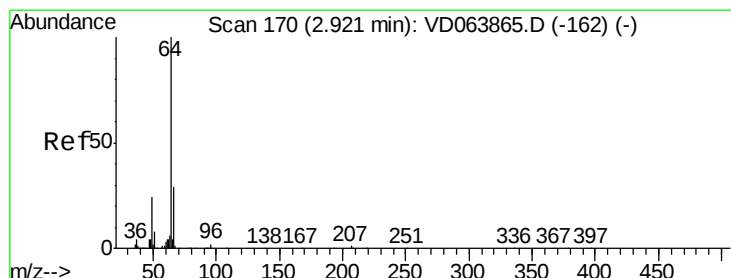
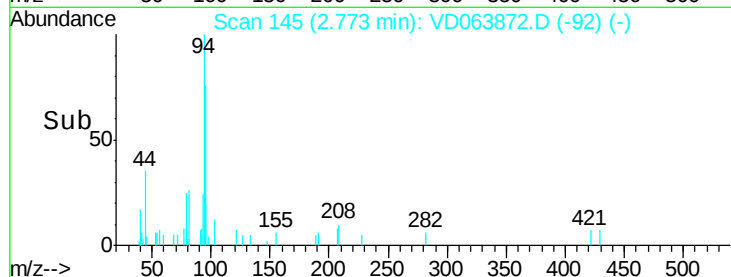
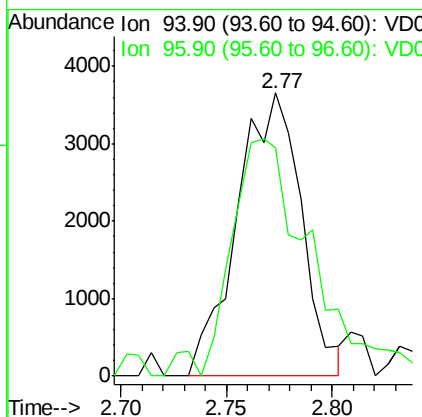
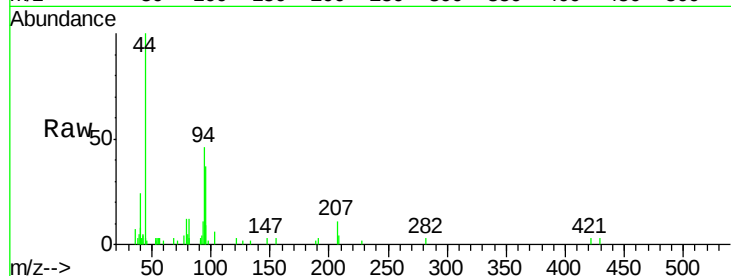
Ion Ratio Lower Upper

94 100

96 71.7 70.8 106.2

Manual Integrations
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#6

Chloroethane

Concen: 3.177 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063872.D

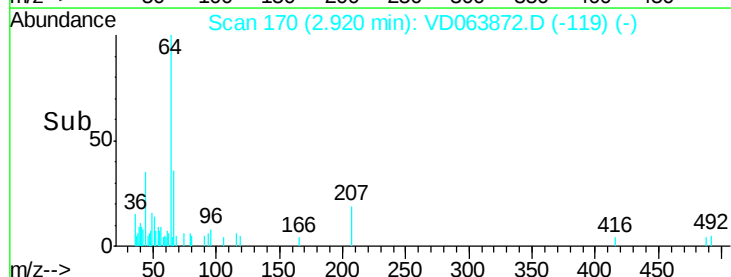
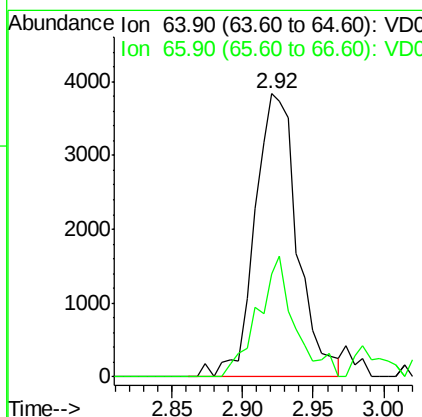
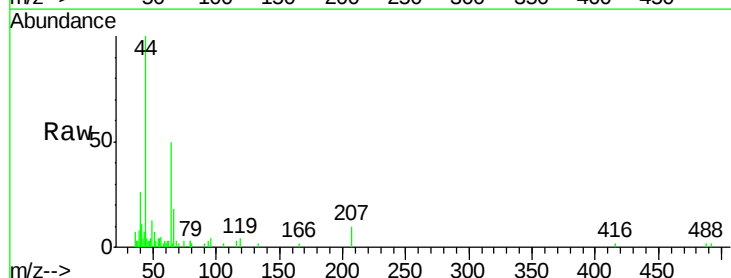
Acq: 02 Oct 2019 21:25

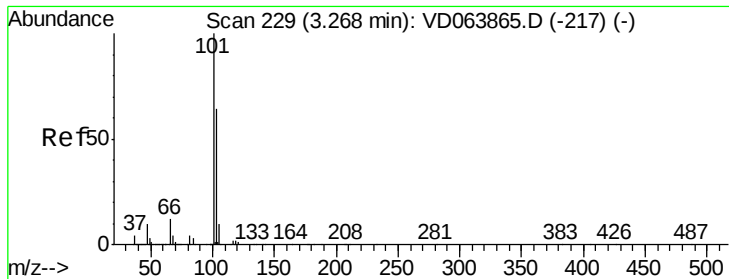
Tgt Ion: 64 Resp: 8101

Ion Ratio Lower Upper

64 100

66 36.3 23.0 34.4#





#7

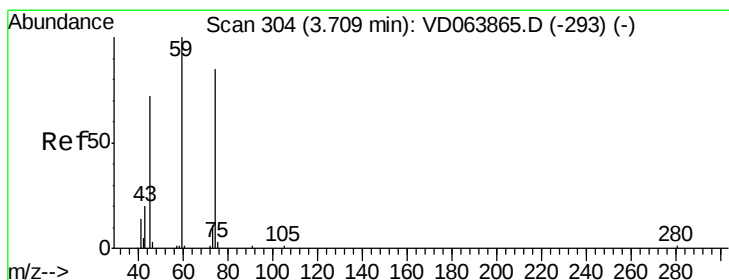
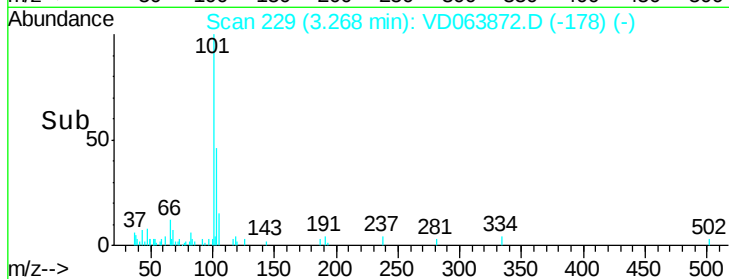
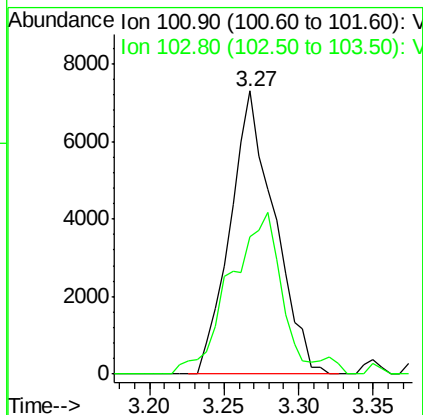
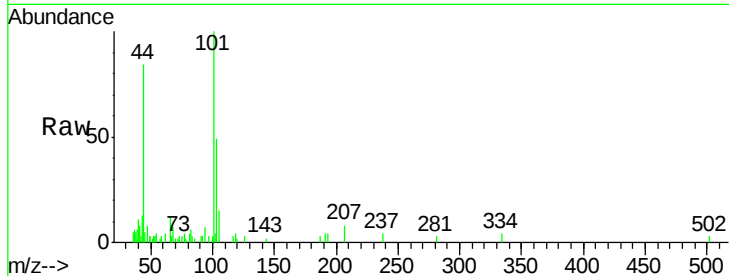
Trichlorofluoromethane
Concen: 2.960 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
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MDL04

Tot Ion	Ratio	Lower	Upper
101	100		
103	44.9	51.1	76.7#

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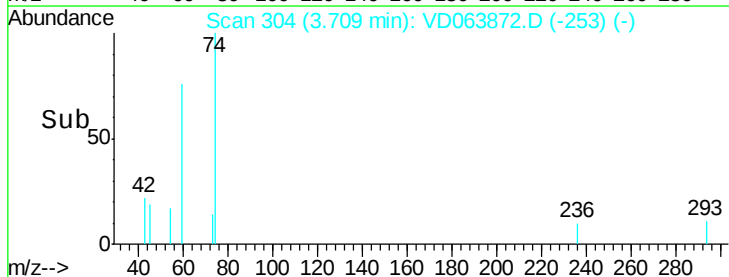
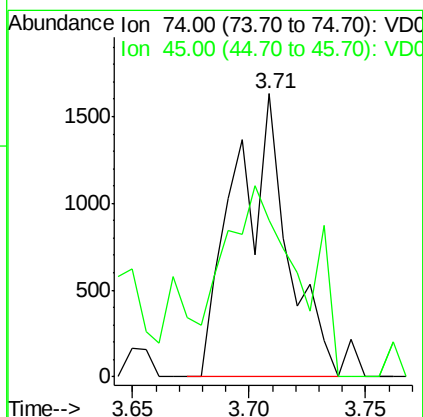
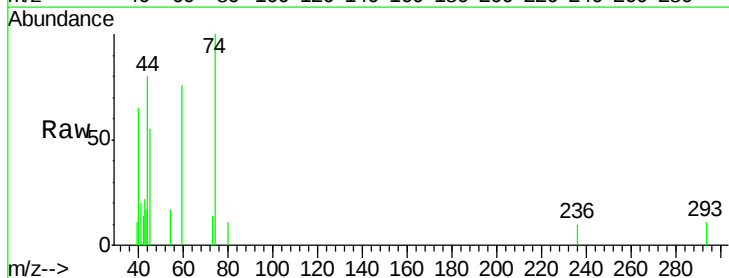
MMDadoda
10/4/2019 4:33:01 PM

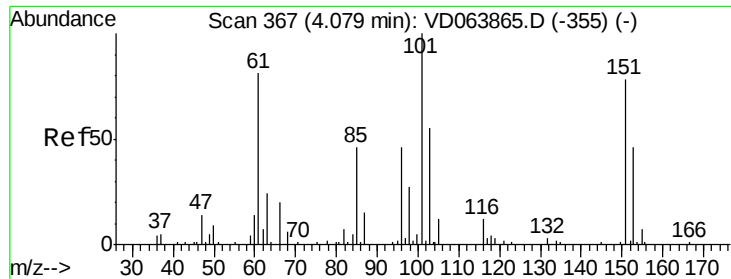


#8

Diethyl Ether
Concen: 3.128 ug/l m
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.4	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.102 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

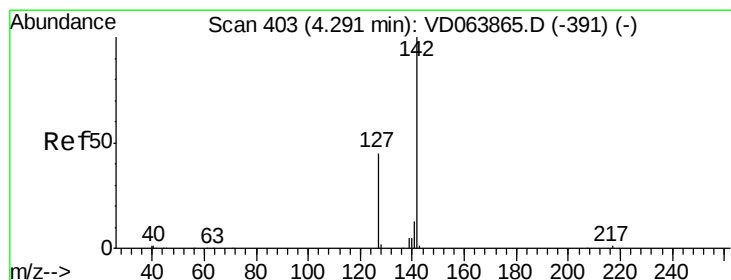
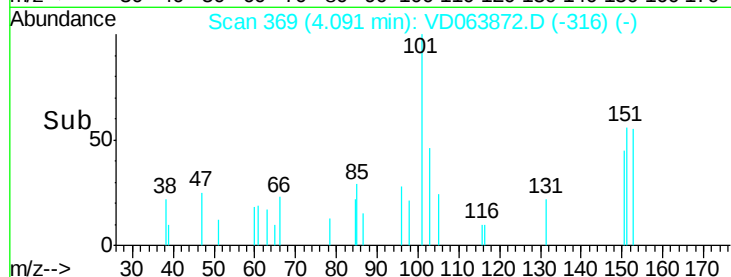
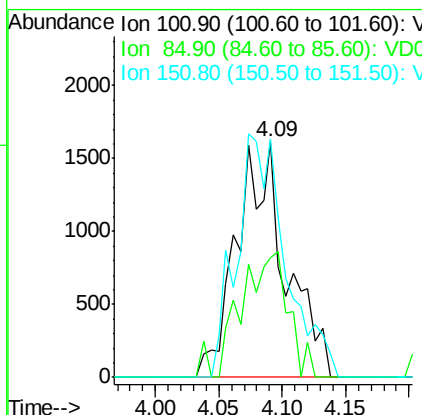
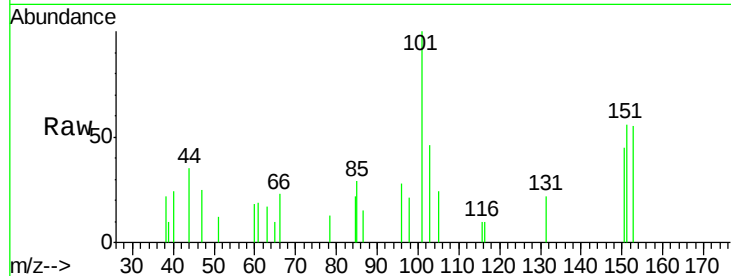
ClientSampleId :

MDL04

Tot Ion:	101	Resp:	4376
Ion Ratio	Lower	Upper	
101	100		
85	49.7	37.5	56.3
151	0.0	65.5	98.3#

Manual Integrations
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MMDadoda
10/4/2019 4:33:01 PM



#10

Methyl Iodide

Concen: 2.464 ug/l

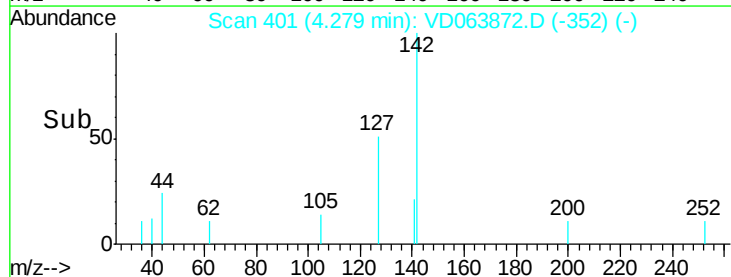
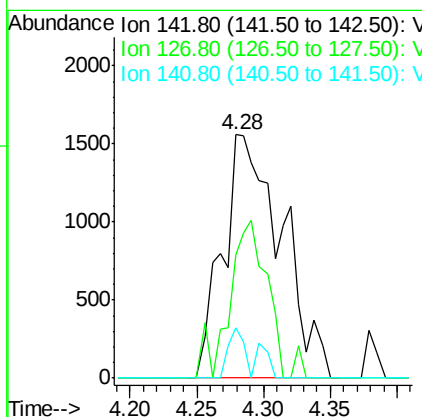
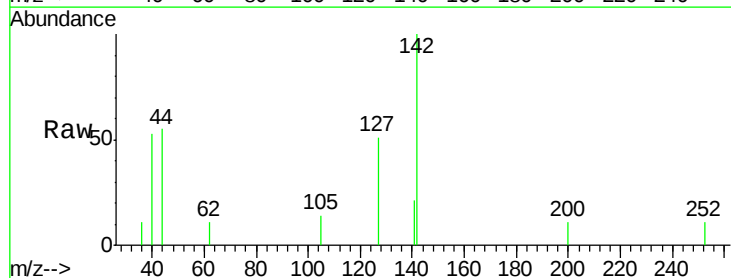
RT: 4.28 min Scan# 401

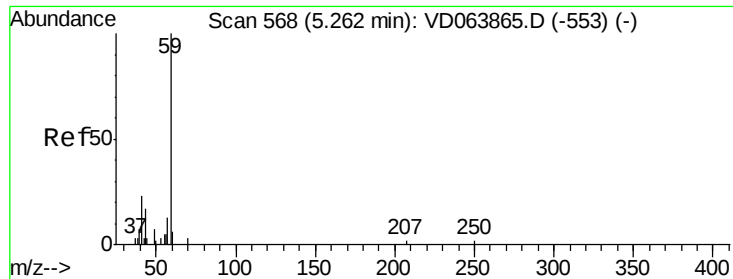
Delta R.T. -0.01 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Tgt Ion:	142	Resp:	4790
Ion Ratio	Lower	Upper	
142	100		
127	0.0	35.3	52.9#
141	5.6	12.2	18.2#





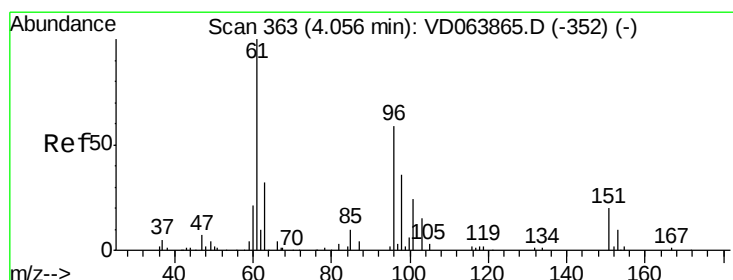
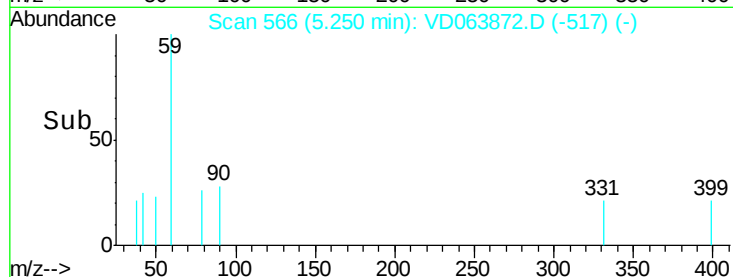
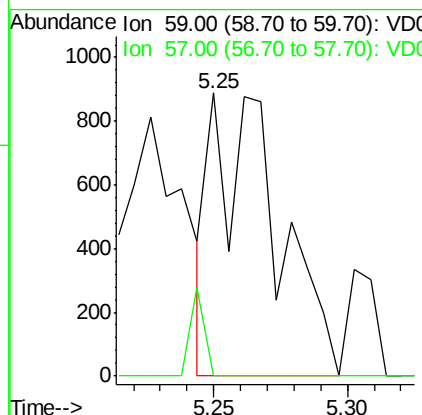
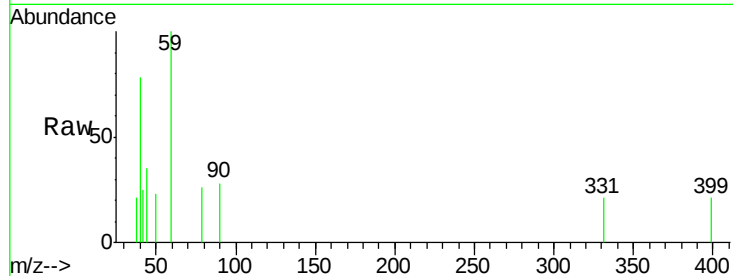
#11
Tert butyl alcohol
Concen: 13.001 ug/l m
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
ClientSampled :
MDL04

Tot Ion: 59 Resp: 1510
Ion Ratio Lower Upper
59 100
57 6.5 8.8 13.2#

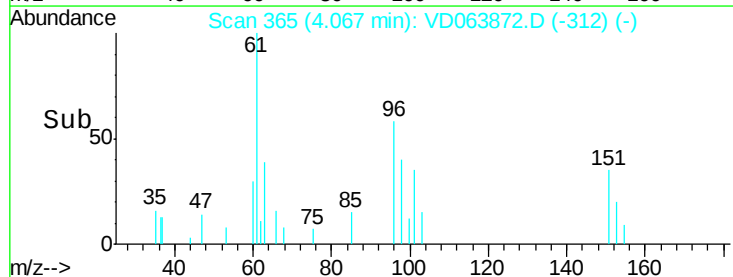
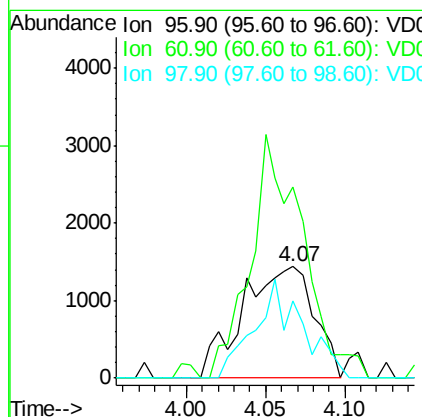
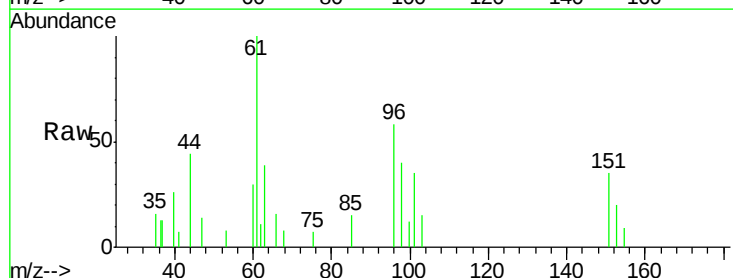
Manual Integrations
APPROVED

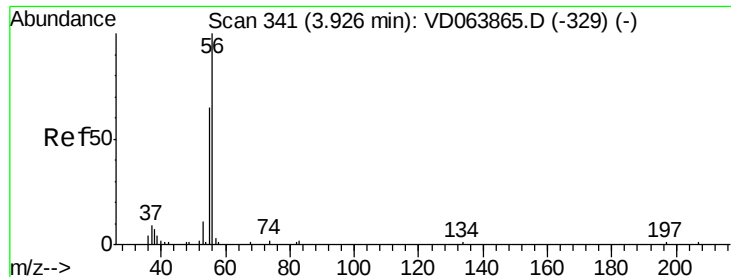
MMDadoda
10/4/2019 4:33:01 PM



#12
1,1-Dichloroethene
Concen: 3.216 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion: 96 Resp: 4534
Ion Ratio Lower Upper
96 100
61 159.9 135.6 203.4
98 69.0 49.2 73.8





#13

Acrolein

Concen: 17.661 ug/l m

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

ClientSampleId :

MDL04

Tot Ion: 56 Resp: 2583

Ion Ratio Lower Upper

56 100

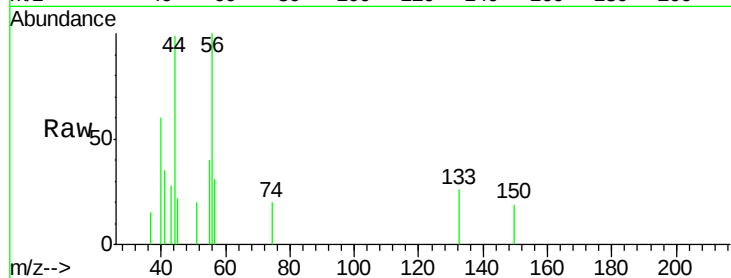
55 37.8 53.0 79.6#

Manual Integrations

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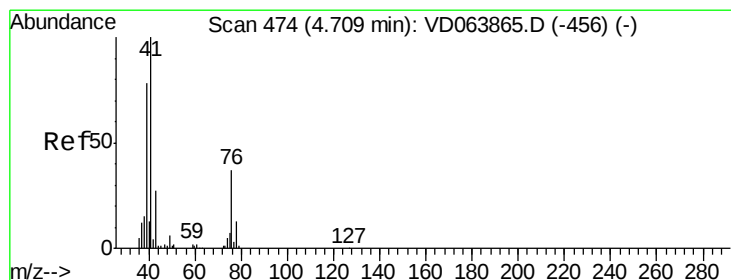
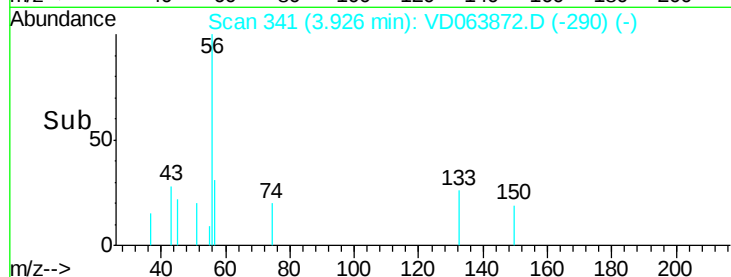
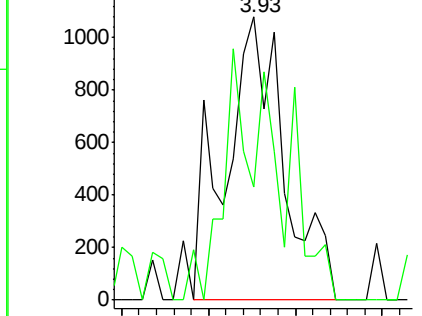
MMDadoda

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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: 3.130 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

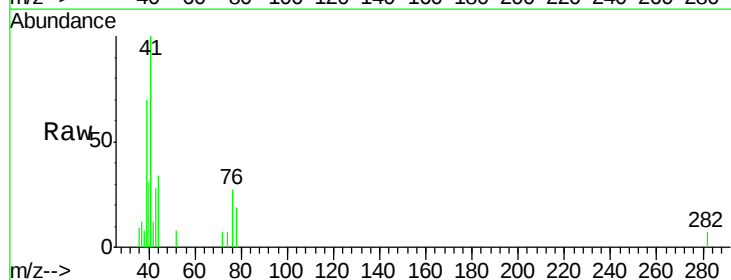
Tgt Ion: 41 Resp: 7336

Ion Ratio Lower Upper

41 100

39 71.6 61.8 92.6

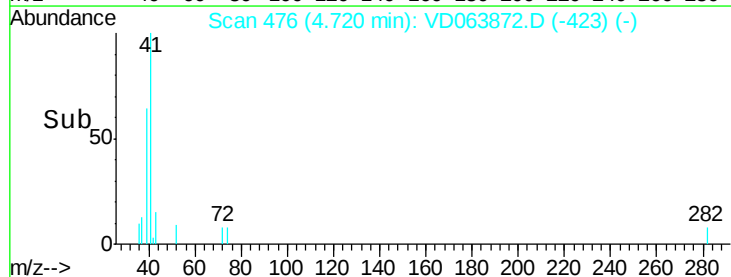
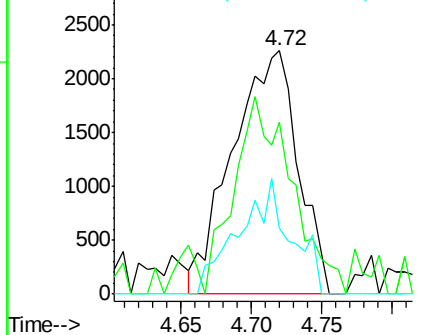
76 37.6 31.3 46.9

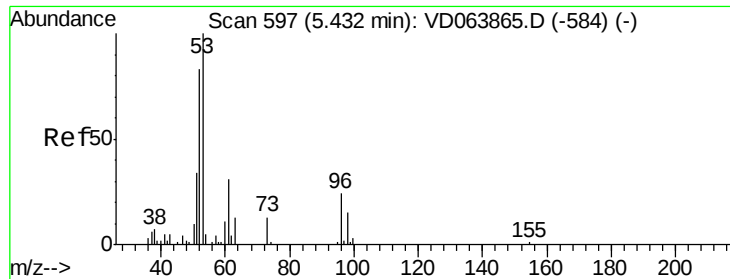


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 15.337 ug/l

RT: 5.45 min Scan# 600

Delta R.T. 0.02 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

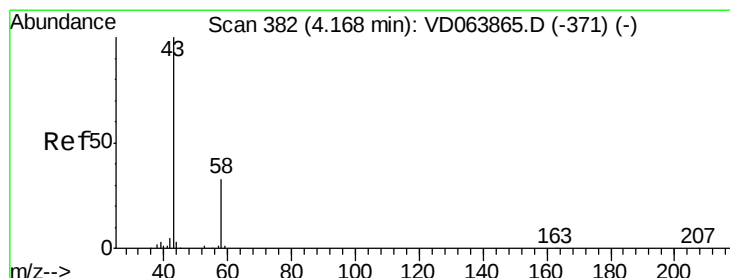
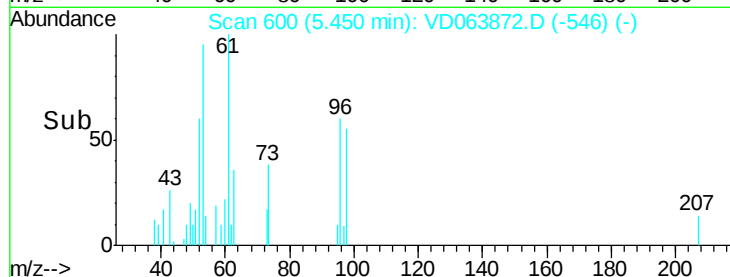
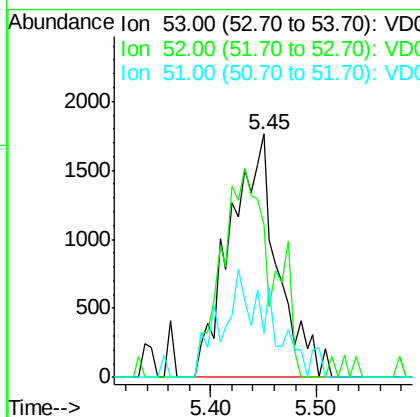
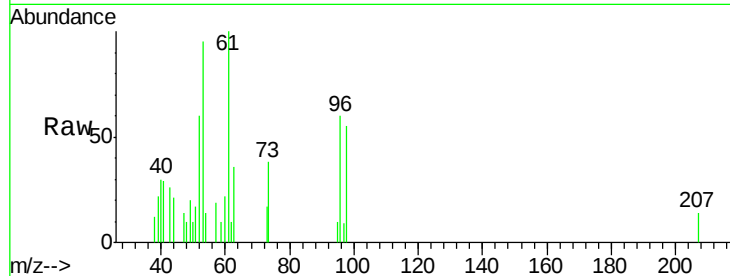
ClientSampled :

MDL04

Tot Ion:	53	Resp:	5532
Ion Ratio	Lower	Upper	
53	100		
52	0.0	67.3	100.9#
51	0.0	30.5	45.7#

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 17.048 ug/l

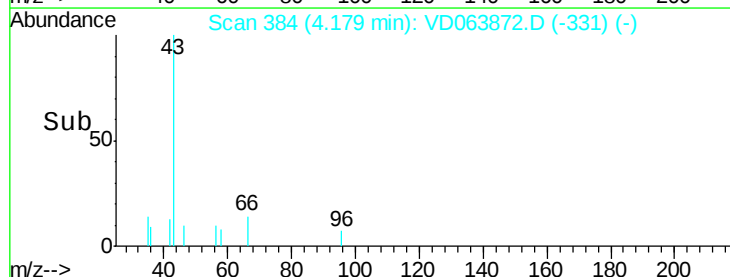
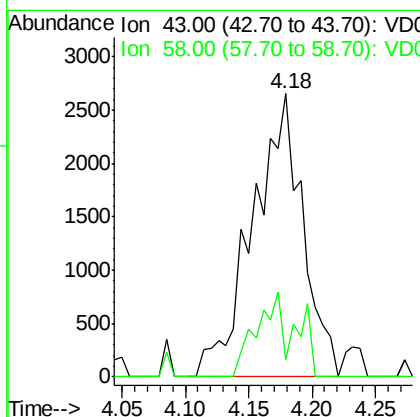
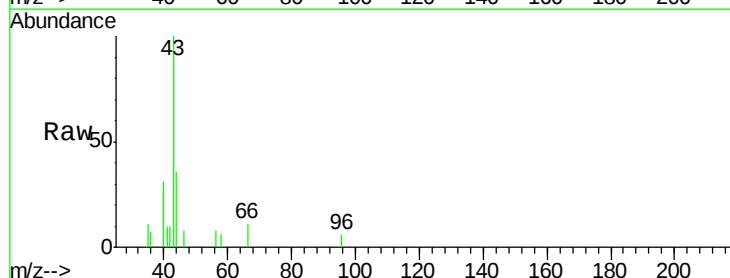
RT: 4.18 min Scan# 384

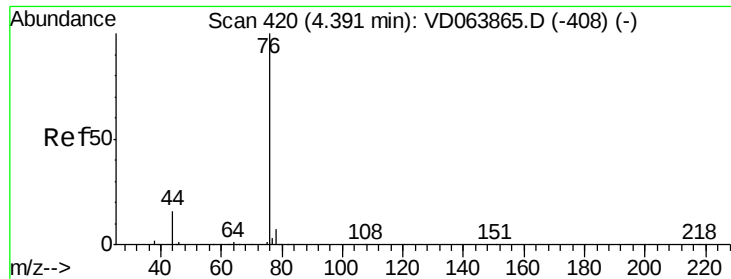
Delta R.T. 0.01 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Tgt Ion:	43	Resp:	7268
Ion Ratio	Lower	Upper	
43	100		
58	6.2	26.2	39.4#





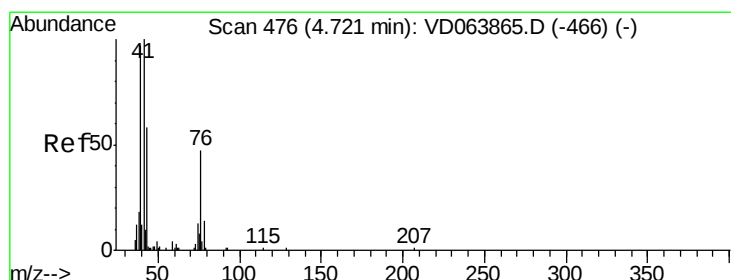
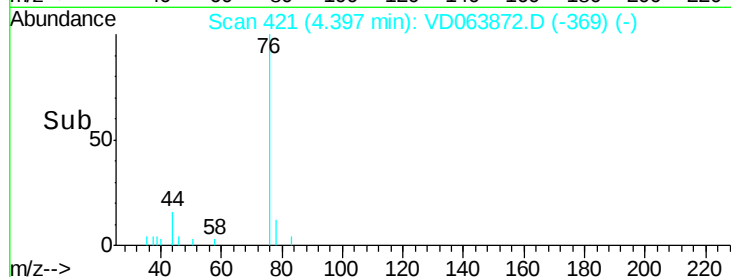
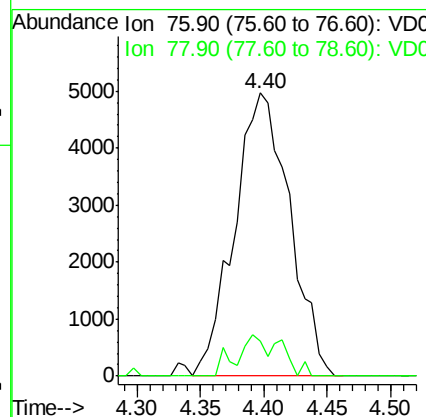
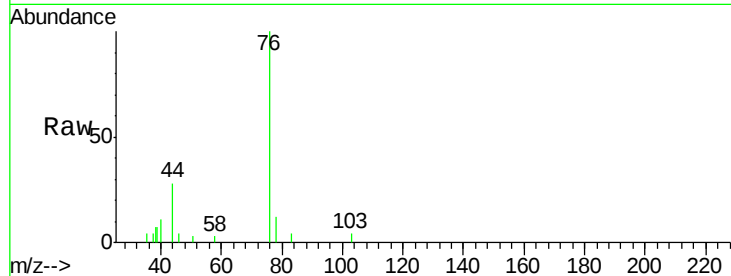
#17
Carbon Disulfide
Concen: 2.937 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
ClientSampleId :
MDL04

Tot Ion: 76 Resp: 15051
Ion Ratio Lower Upper
76 100
78 12.3 5.8 8.8#

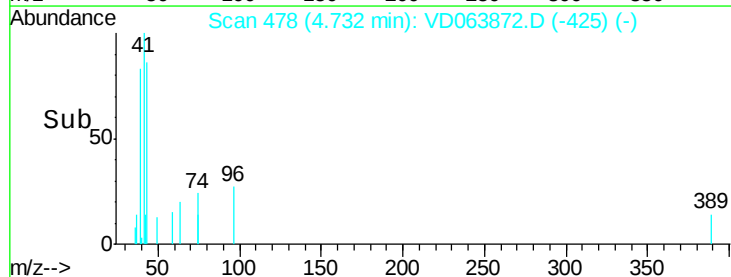
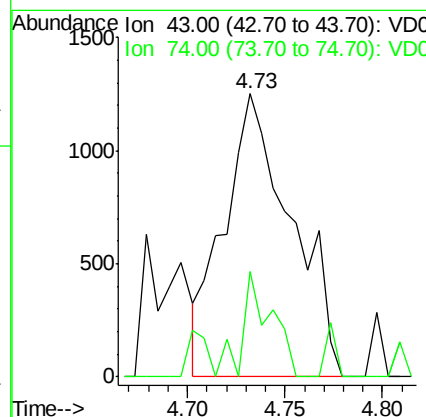
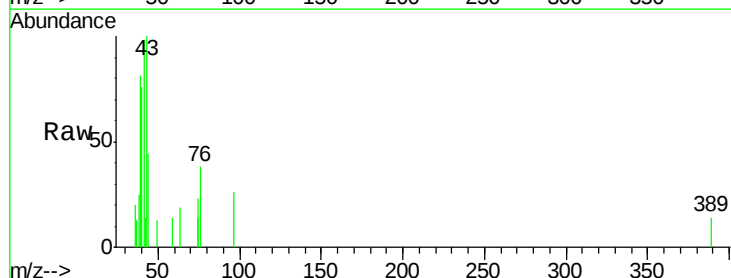
Manual Integrations
APPROVED

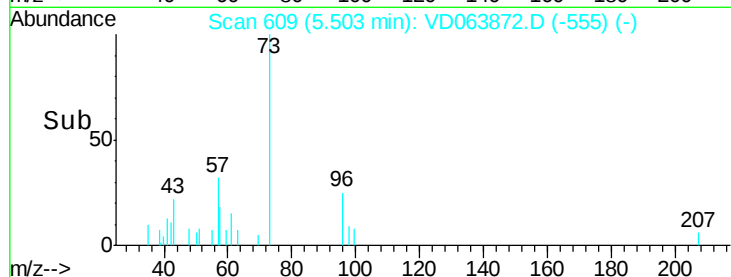
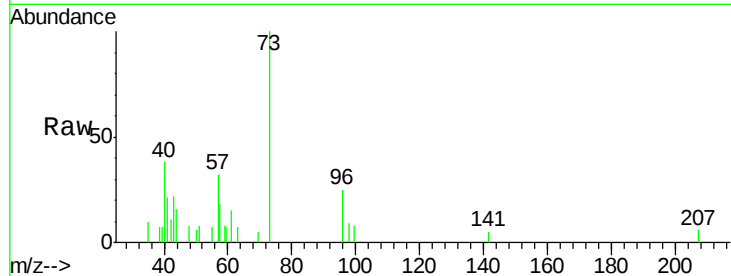
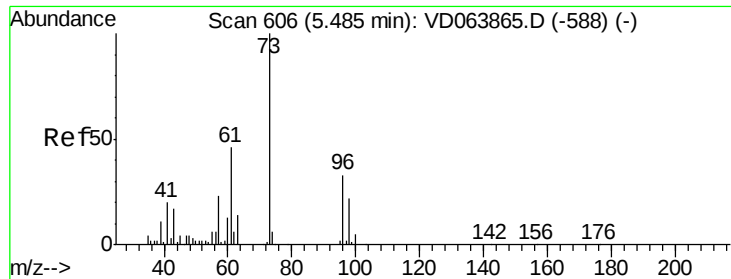
MMDadoda
10/4/2019 4:33:01 PM



#18
Methyl Acetate
Concen: 3.609 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion: 43 Resp: 3009
Ion Ratio Lower Upper
43 100
74 16.1 20.8 31.2#





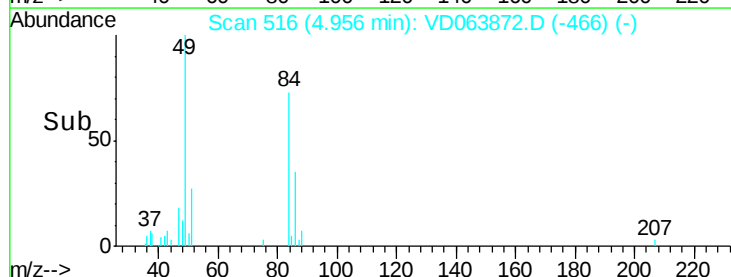
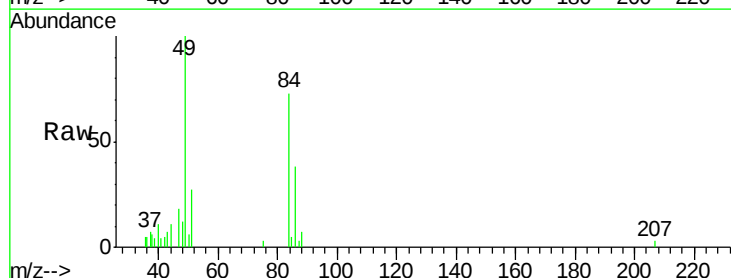
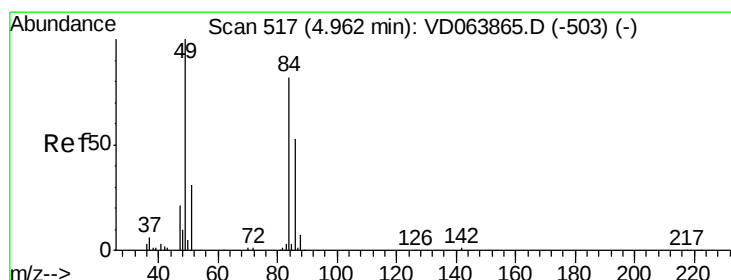
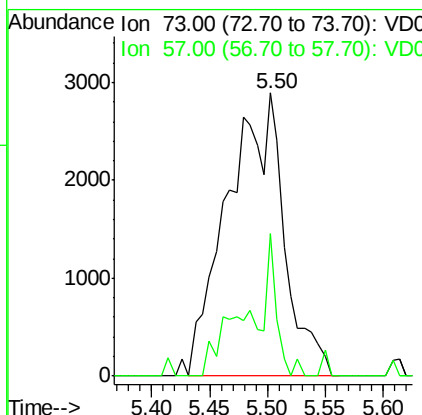
#19
Methvl tert-butvl Ether
Concen: 2.712 ug/l m
RT: 5.50 min Scan# 609
Delta R.T. 0.02 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tot Ion: 73 Resp: 9900
Ion Ratio Lower Upper
73 100
57 32.3 18.1 27.1#

Instrument :
MSVOA_D
ClientSampleId :
MDL04

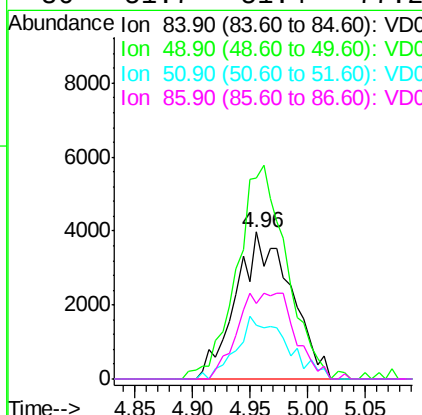
Manual Integrations
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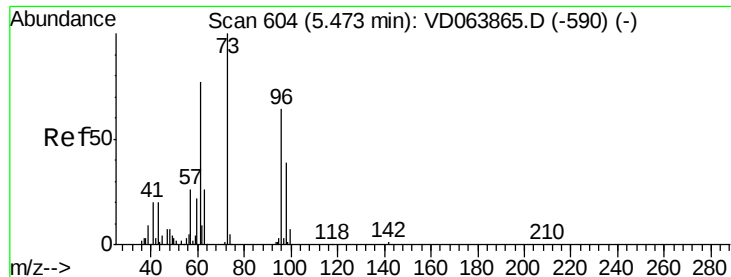
MMDadoda
10/4/2019 4:33:01 PM



#20
Methylene Chloride
Concen: 6.009 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion: 84 Resp: 13149
Ion Ratio Lower Upper
84 100
49 131.9 97.3 145.9
51 36.5 30.1 45.1
86 51.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 3.111 ug/l m

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

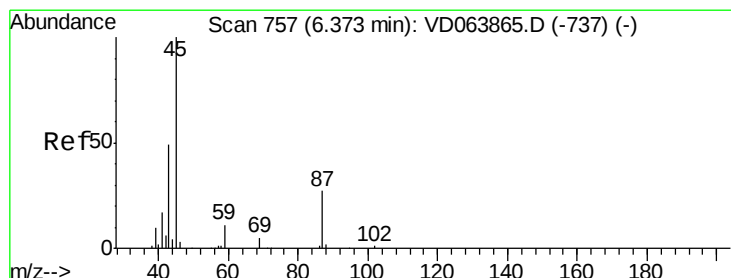
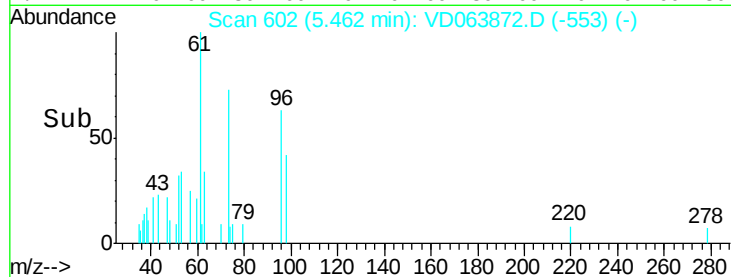
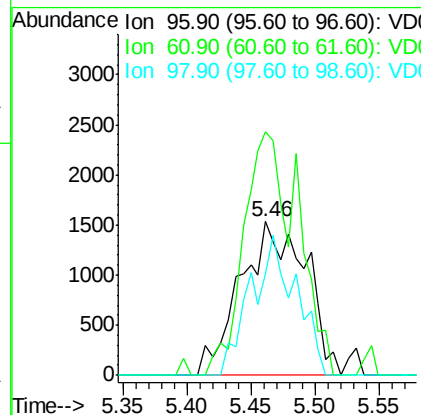
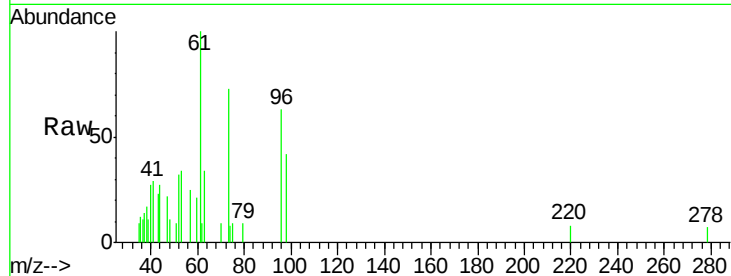
ClientSampleId :

MDL04

Tot Ion:	96	Resp:	5460
Ion	Ratio	Lower	Upper
96	100		
61	158.6	96.6	145.0#
98	65.9	48.7	73.1

Manual Integrations
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MMDadoda
10/4/2019 4:33:01 PM



#22

Diisopropyl ether

Concen: 3.192 ug/l

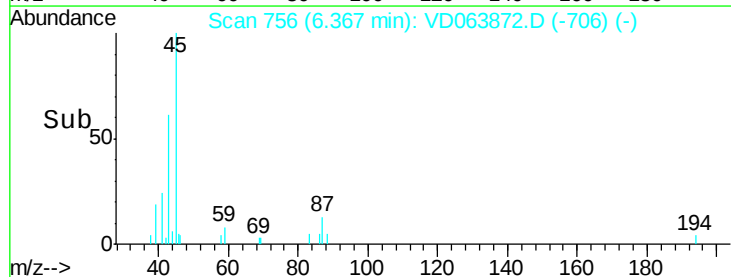
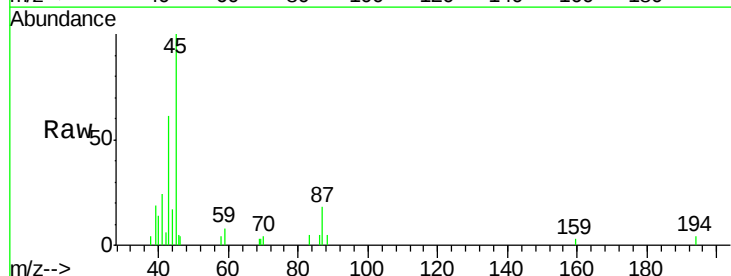
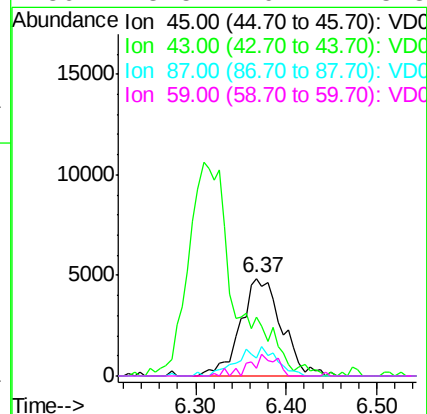
RT: 6.37 min Scan# 756

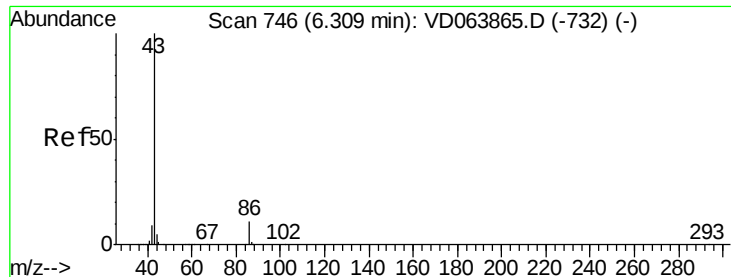
Delta R.T. -0.01 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Tgt Ion:	45	Resp:	15279
Ion	Ratio	Lower	Upper
45	100		
43	56.4	41.2	61.8
87	17.9	22.2	33.4#
59	8.5	9.2	13.8#





#23

Vinyl Acetate

Concen: 13.280 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

ClientSampleId :

MDL04

Tot Ion: 43 Resp: 37813

Ion Ratio Lower Upper

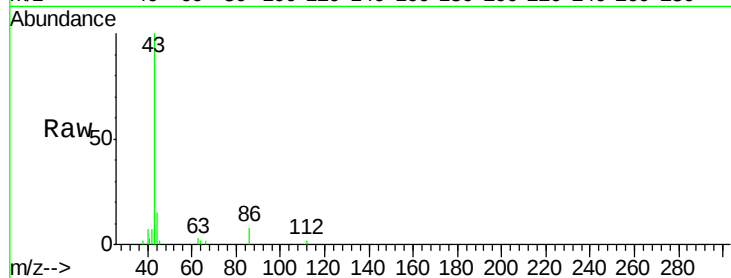
43 100

86 7.9 8.8 13.2#

Manual Integrations
APPROVED

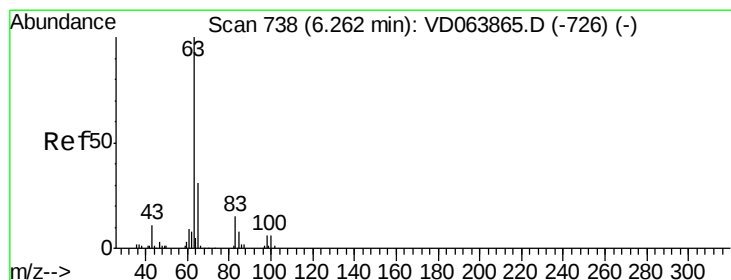
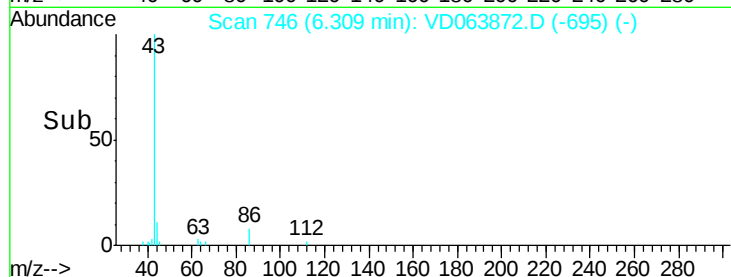
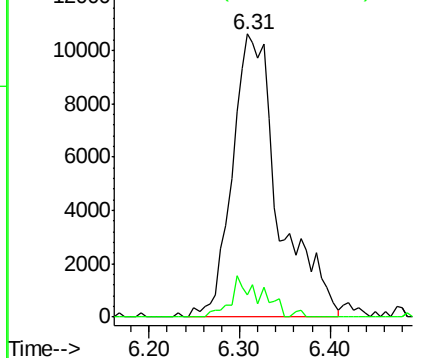
MMDadoda

10/4/2019 4:33:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 3.176 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

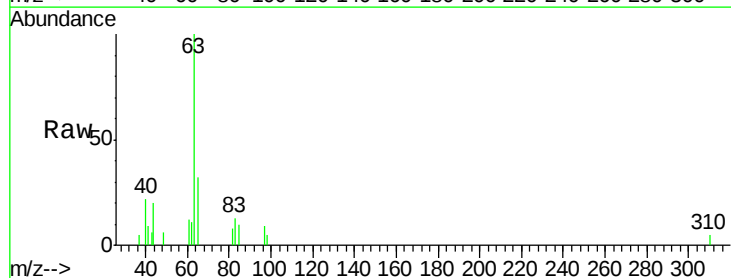
Tgt Ion: 63 Resp: 9363

Ion Ratio Lower Upper

63 100

98 4.8 3.1 9.4

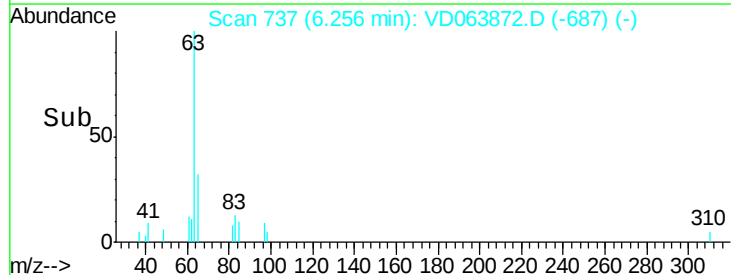
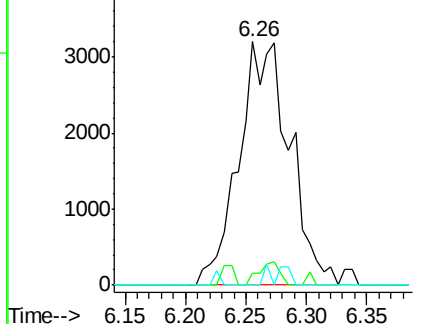
100 0.0 3.0 9.2#

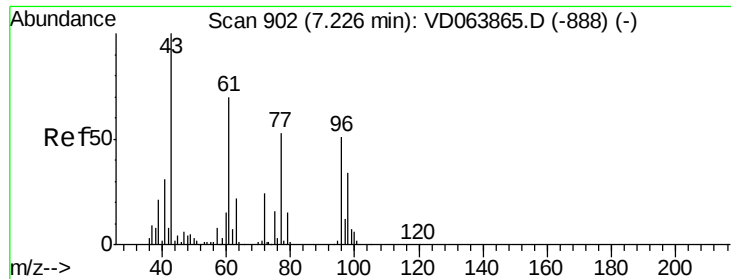


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 14.733 ug/l

RT: 7.24 min Scan# 904

Delta R.T. 0.01 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

ClientSampleId :

MDL04

Tot Ion: 43 Resp: 7444

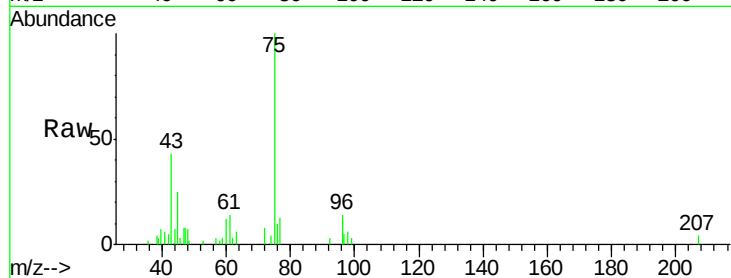
Ion Ratio Lower Upper

43 100

72 19.7 19.2 28.8

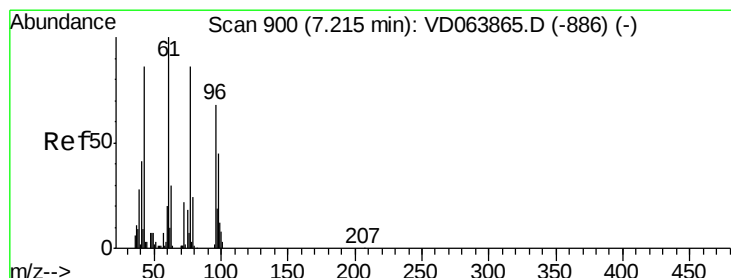
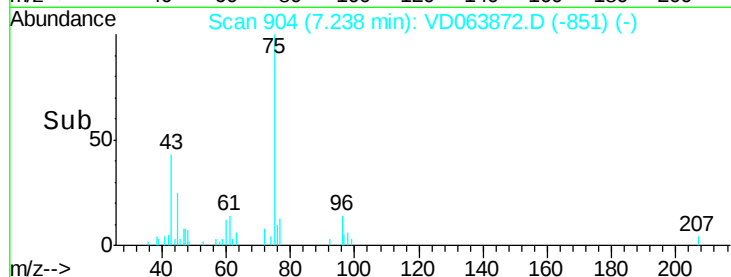
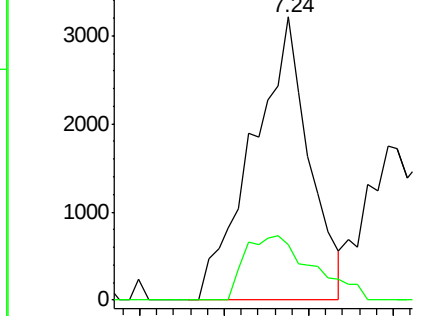
Manual Integrations
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MMDadoda
10/4/2019 4:33:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 3.119 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063872.D

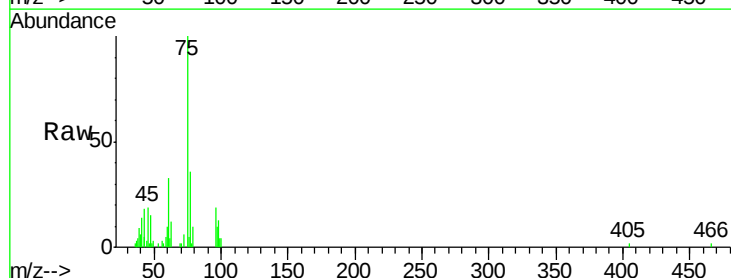
Acq: 02 Oct 2019 21:25

Tgt Ion: 77 Resp: 8319

Ion Ratio Lower Upper

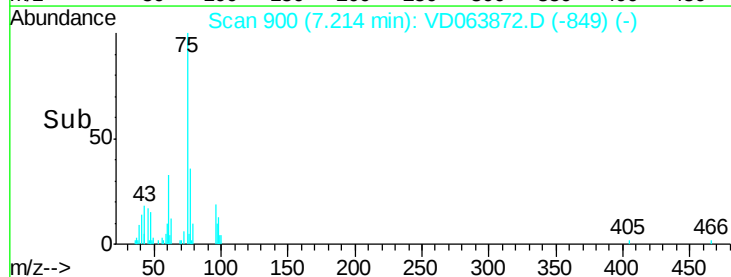
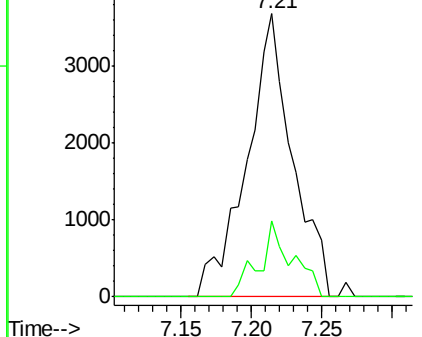
77 100

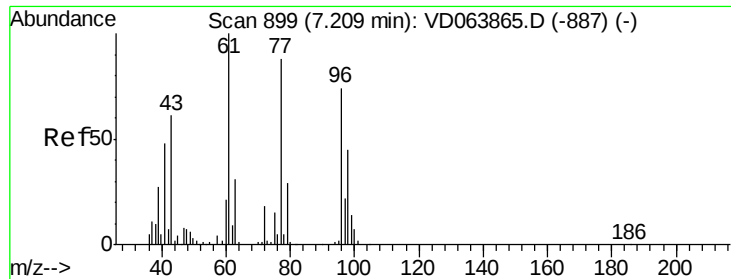
97 19.5 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

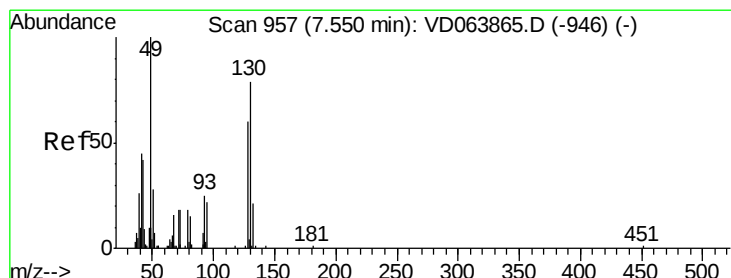
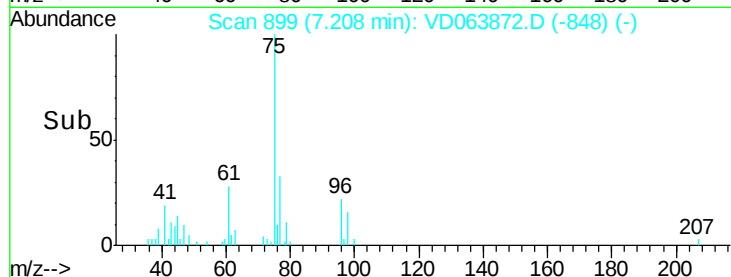
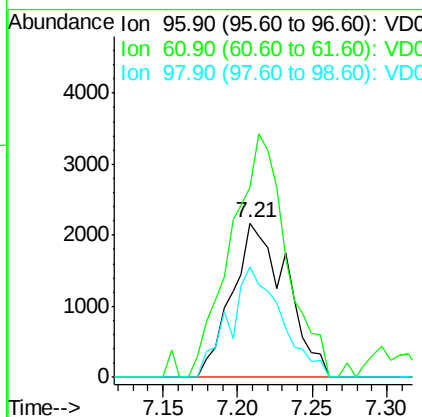
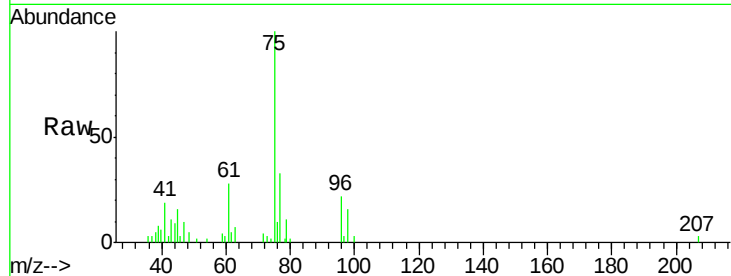
cis-1,2-Dichloroethene
 Concen: 2.776 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	280.0
98	68.0	0.0	130.4

Manual Integrations
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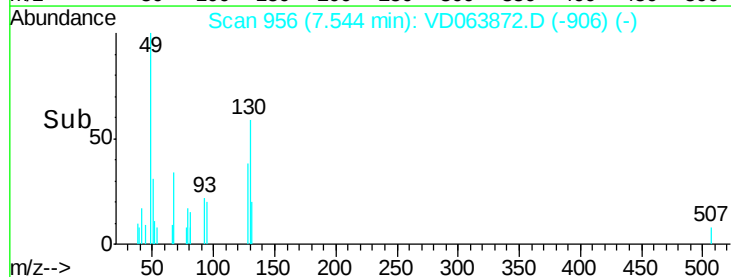
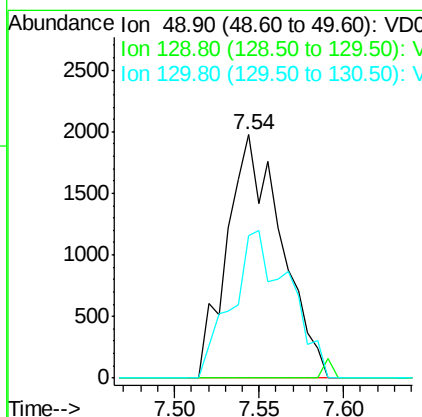
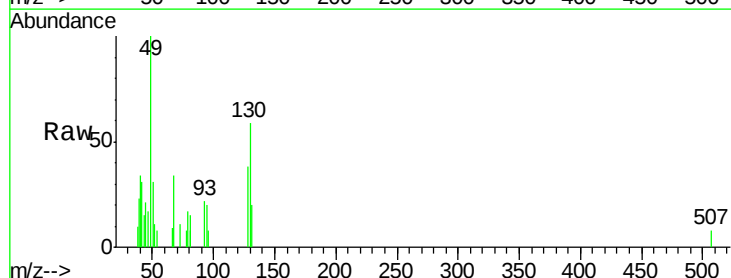
MMDadoda
 10/4/2019 4:33:01 PM

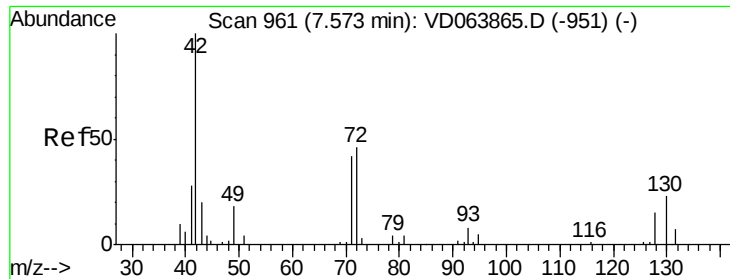


#28

Bromochloromethane
 Concen: 4.000 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	63.8	66.8	100.2#





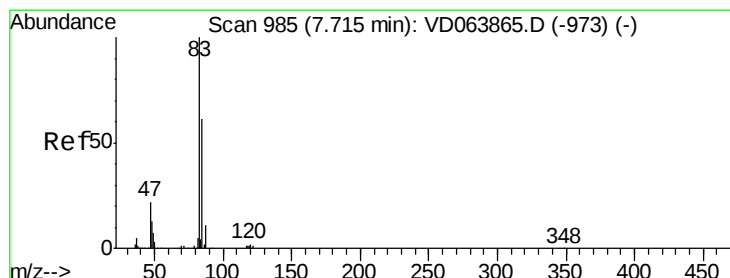
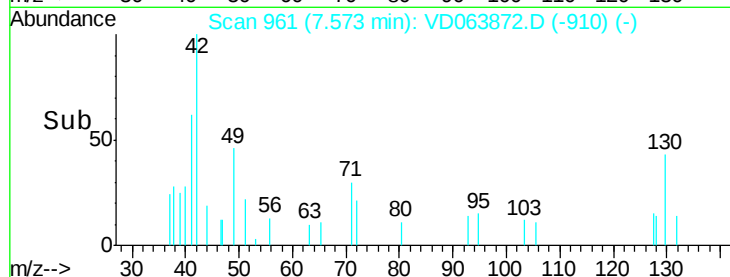
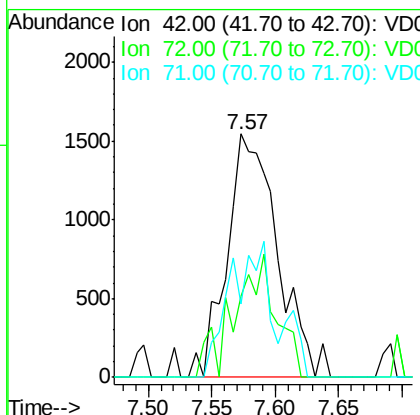
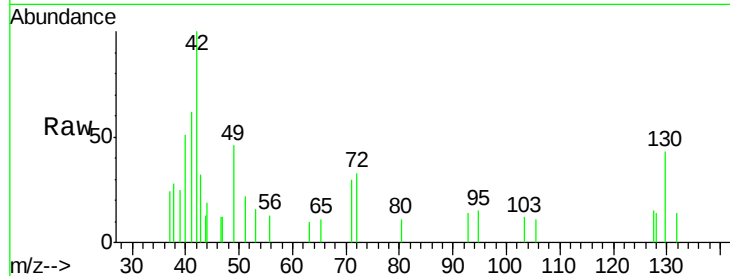
#29
Tetrahydrofuran
Concen: 14.547 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.6	56.4#
71	18.5	35.0	52.6#

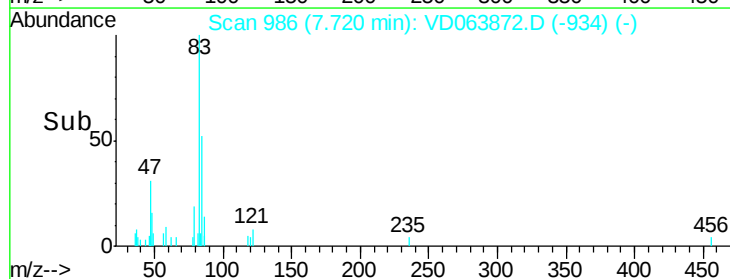
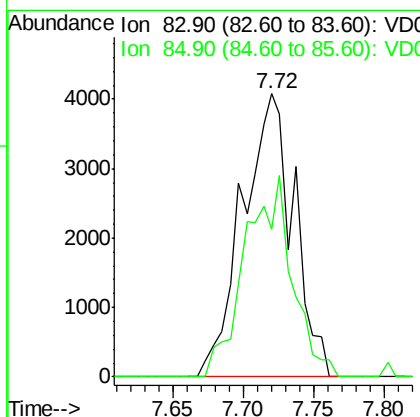
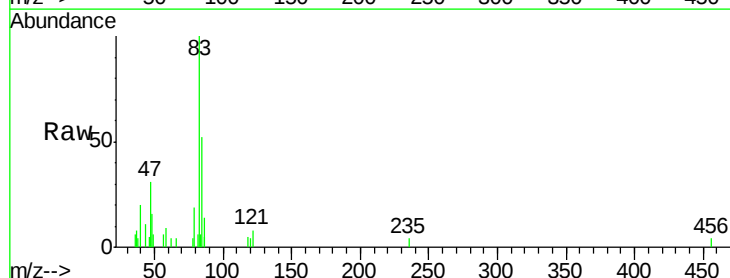
Manual Integrations
APPROVED

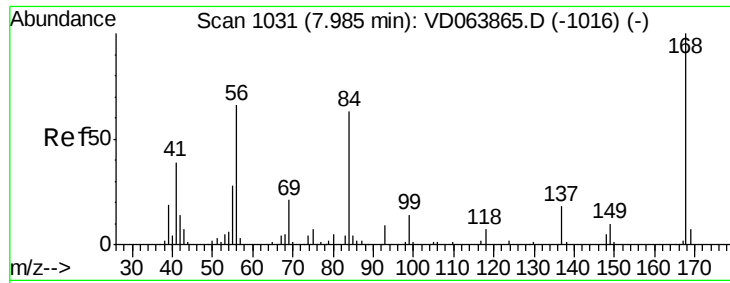
MMDadoda
10/4/2019 4:33:01 PM



#30
Chloroform
Concen: 3.232 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	52.2	48.9	73.3





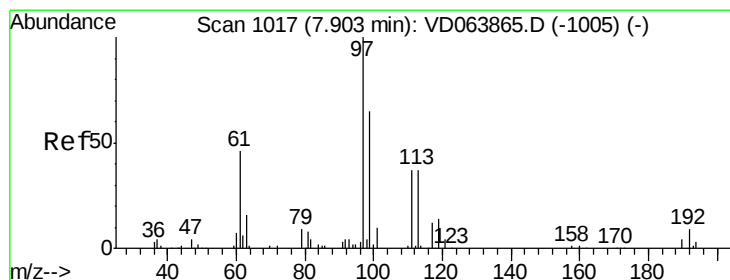
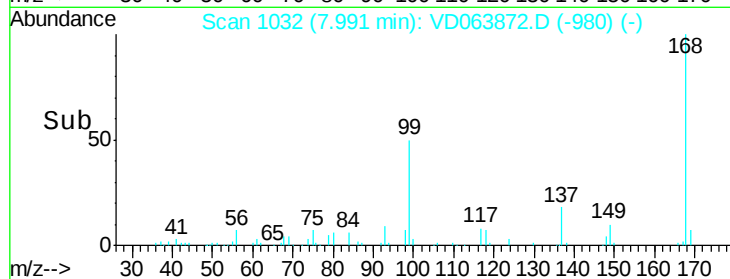
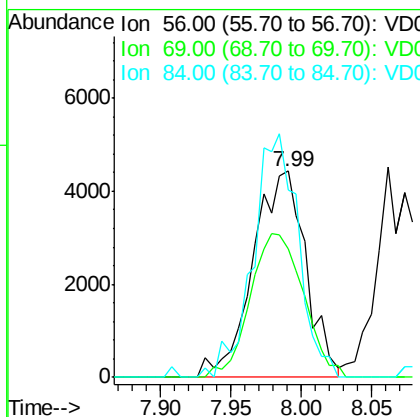
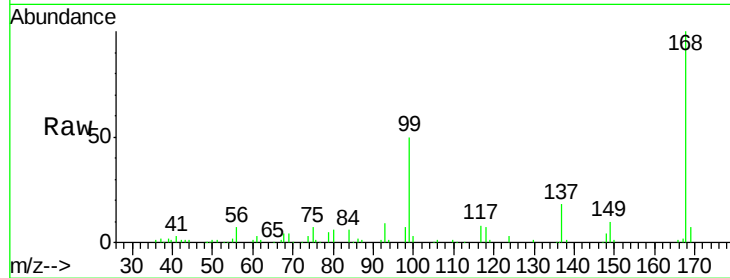
#31
Cyclohexane
Concen: 4.200 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
56	100		
69	62.5	25.0	37.4#
84	90.8	76.3	114.5

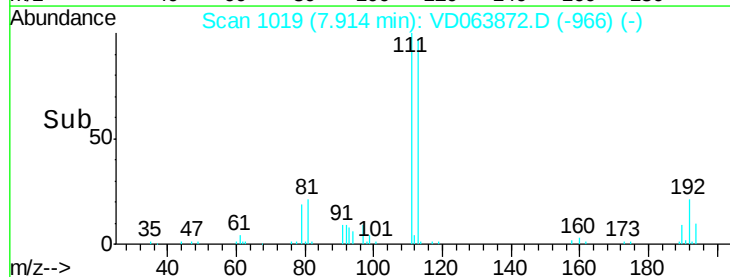
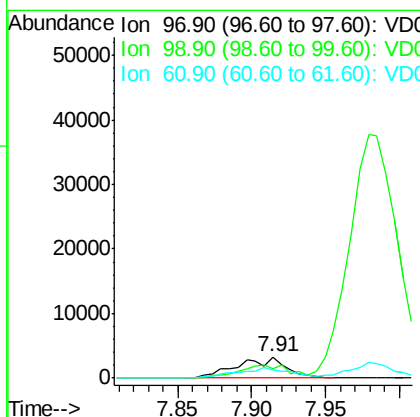
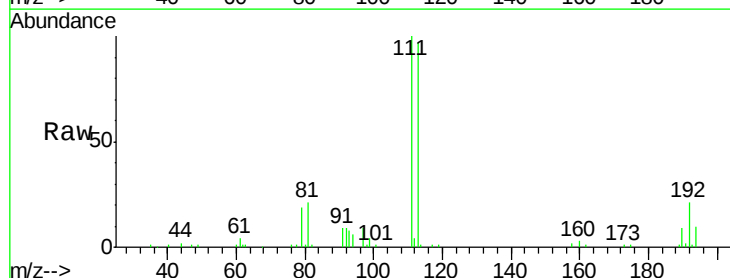
Manual Integrations
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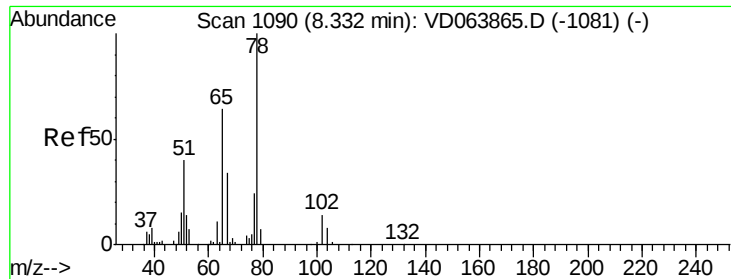
MMDadoda
10/4/2019 4:33:01 PM



#32
1,1,1-Trichloroethane
Concen: 2.689 ug/l m
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

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





#33

1,2-Dichloroethane-d4

Concen: 54.291 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

ClientSampleId :

MDL04

Tot Ion: 65 Resp: 88902

Ion Ratio Lower Upper

65 100

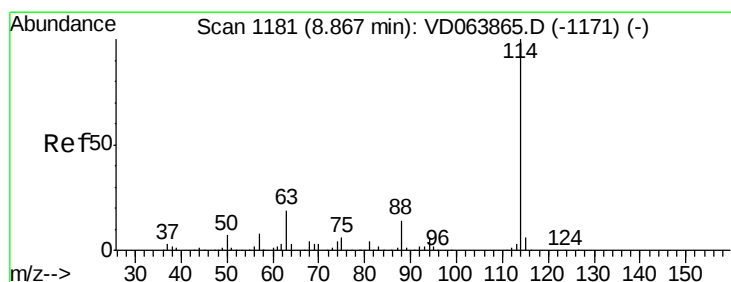
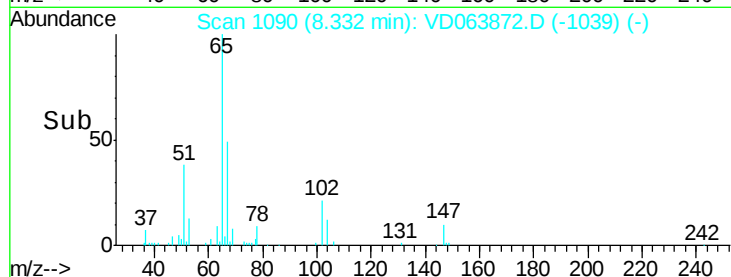
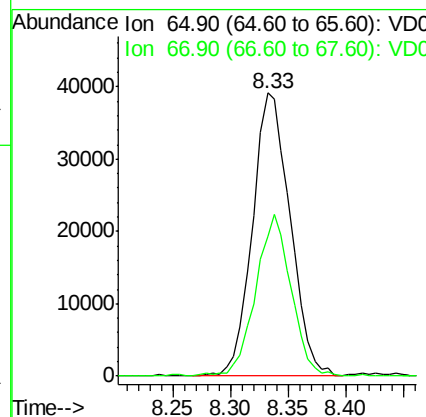
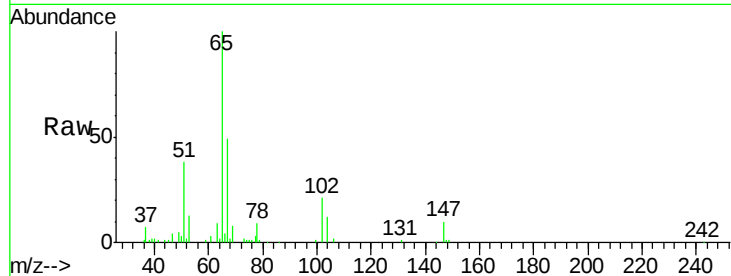
67 53.5 0.0 106.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

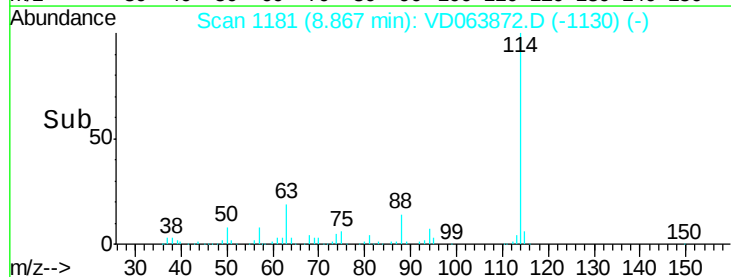
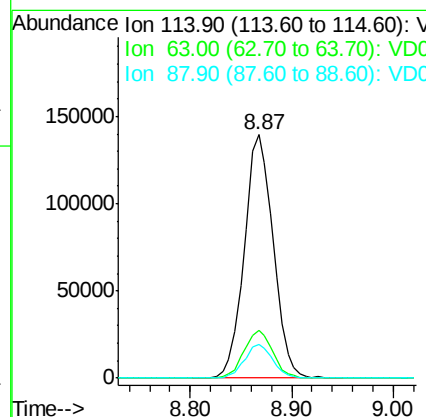
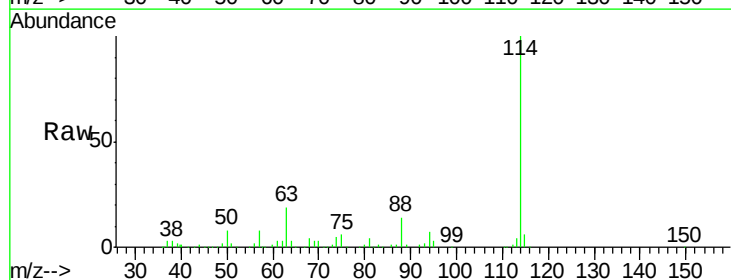
Tgt Ion: 114 Resp: 276760

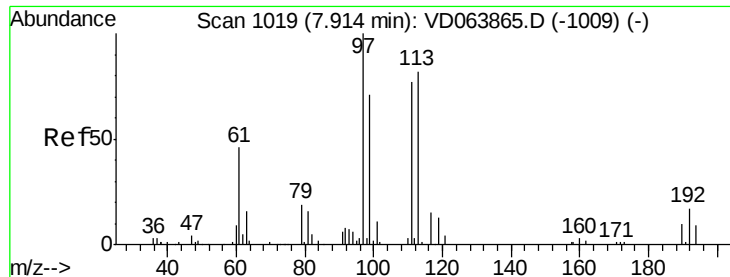
Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

88 13.8 0.0 27.4





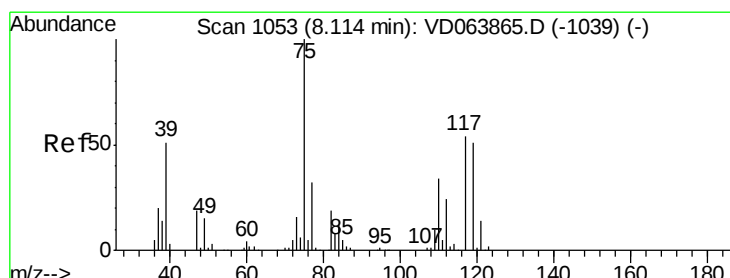
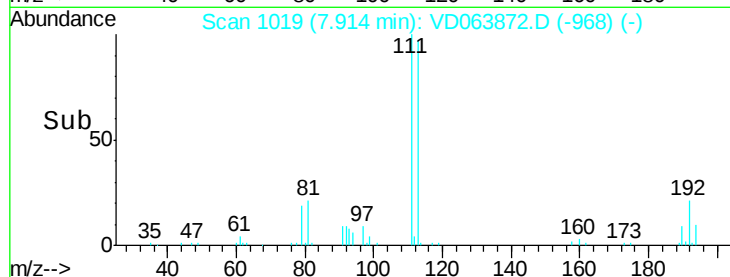
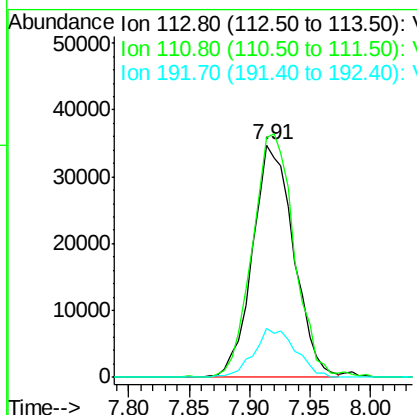
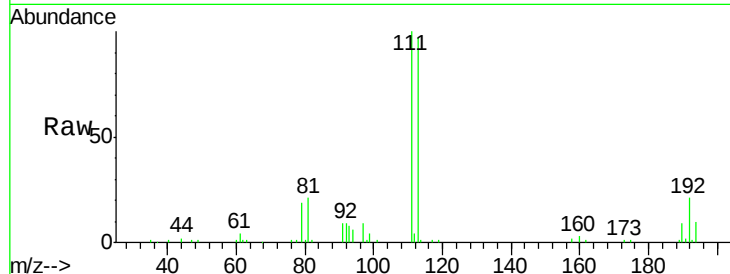
#35
 Dibromofluoromethane
 Concen: 48.865 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
113	100		
111	107.0	82.6	123.8
192	21.1	17.1	25.7

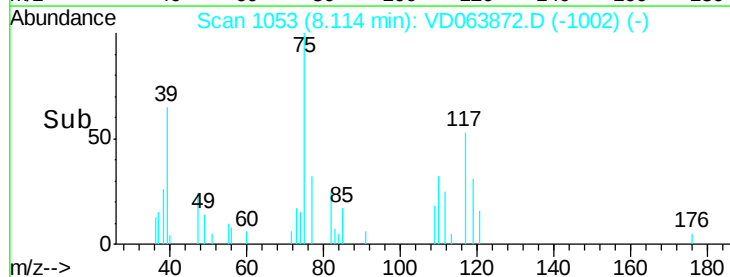
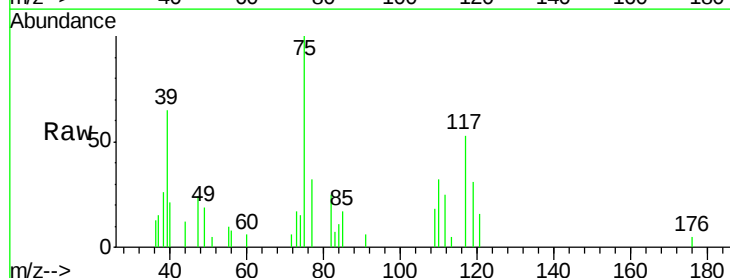
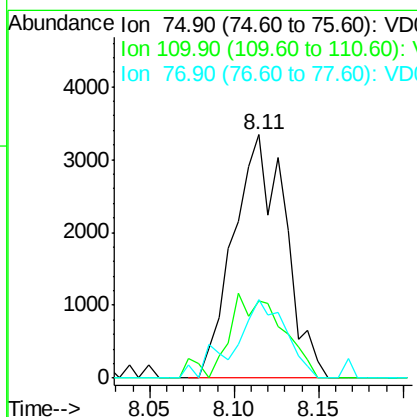
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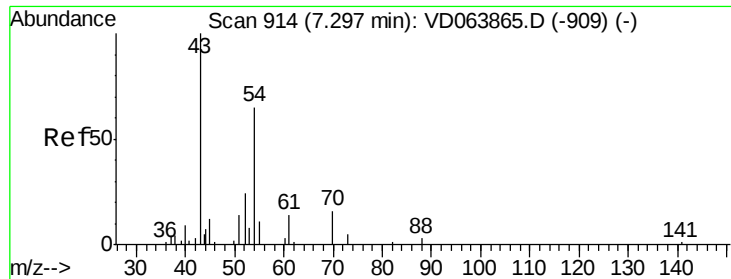
MMDadoda
 10/4/2019 4:33:01 PM



#36
 1,1-Dichloropropene
 Concen: 2.808 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.4	52.3
77	31.8	25.4	38.0





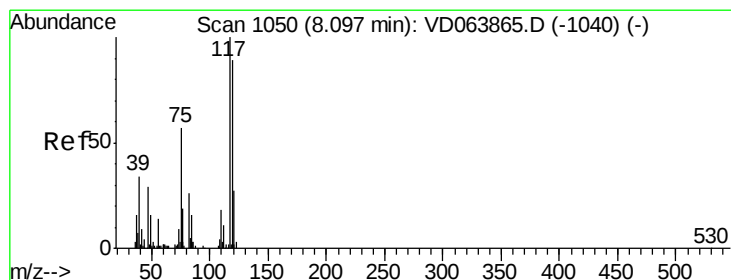
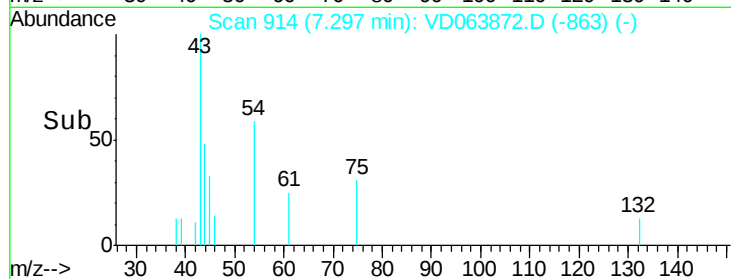
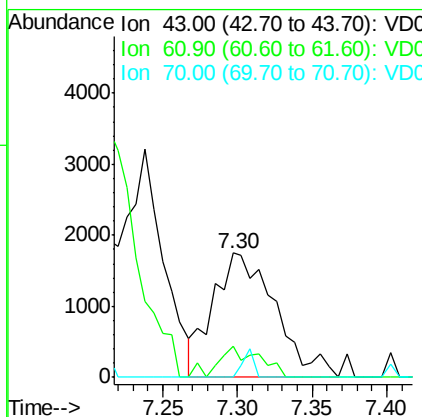
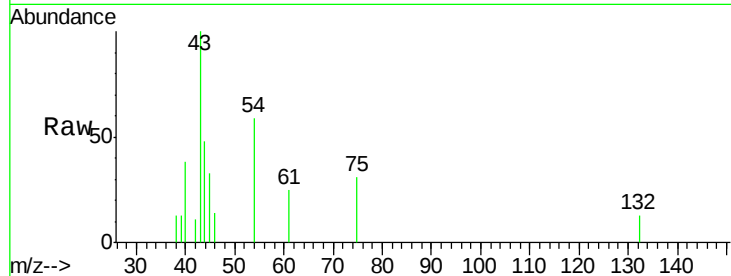
#37
Ethyl Acetate
Concen: 4.417 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	11.5	17.3
70	4.0	8.2	12.4

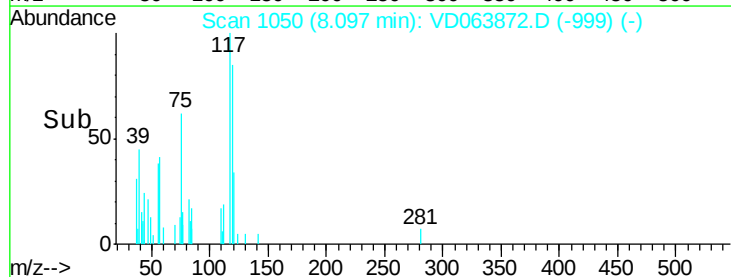
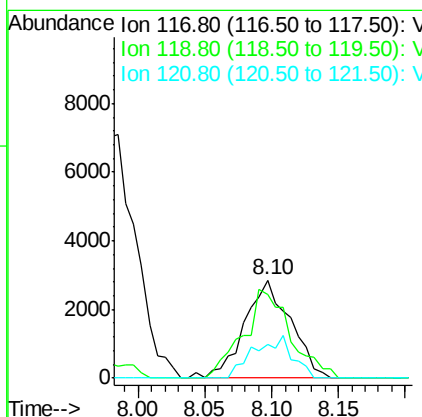
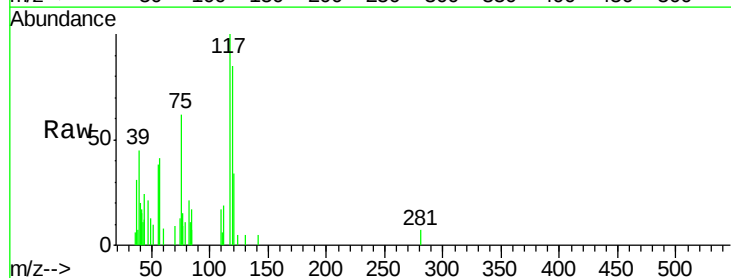
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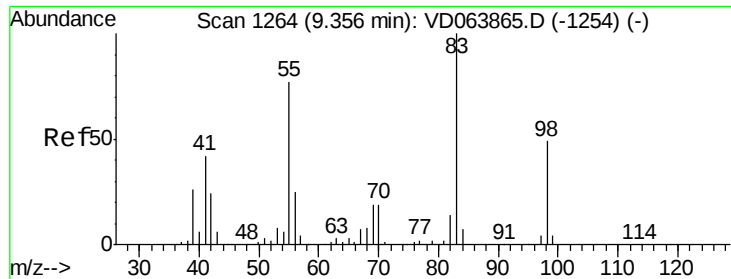
MMDadoda
10/4/2019 4:33:01 PM



#38
Carbon Tetrachloride
Concen: 2.665 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.7	70.8	106.2
121	34.4	21.4	32.0





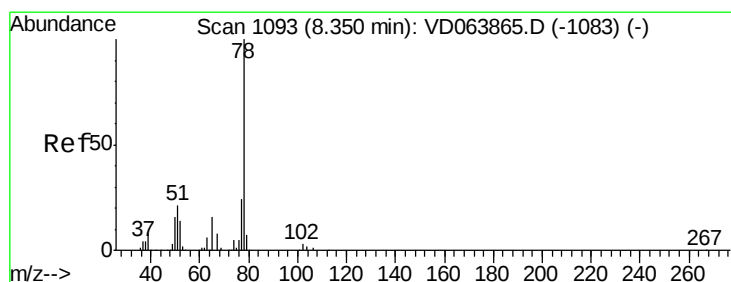
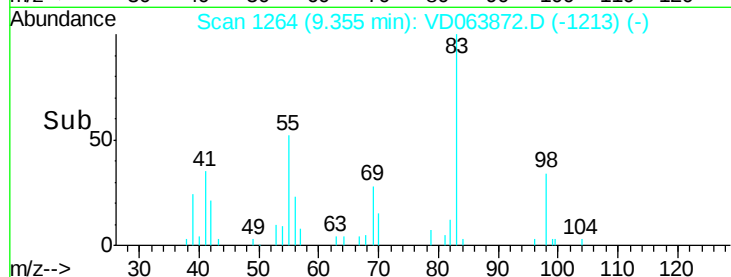
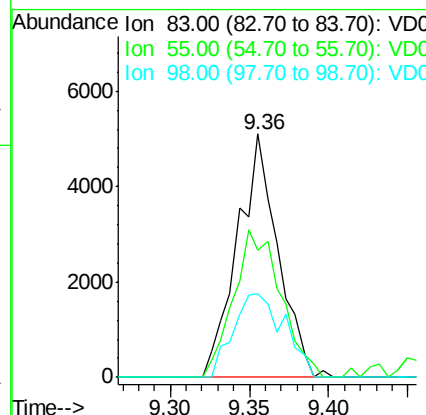
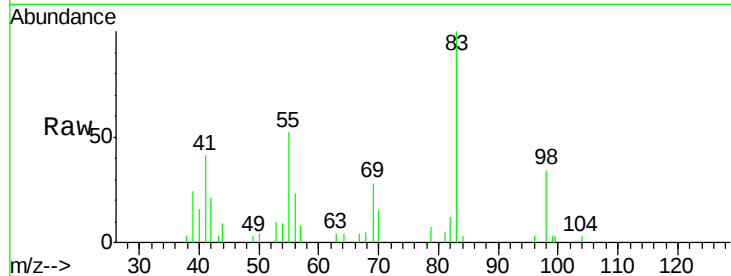
#39
Methvlcvclohexane
Concen: 2.909 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
83	100		
55	52.0	61.3	91.9#
98	34.2	39.3	58.9#

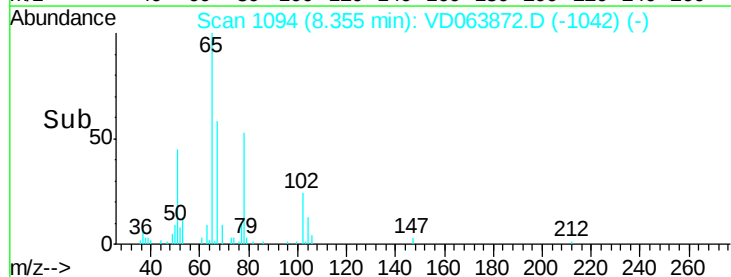
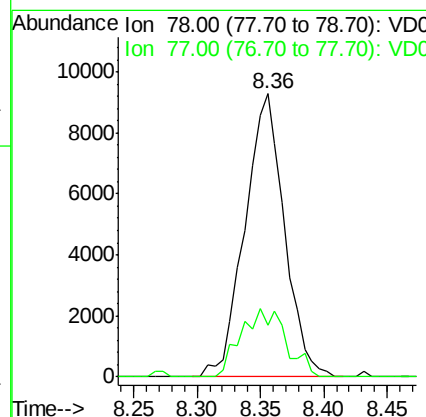
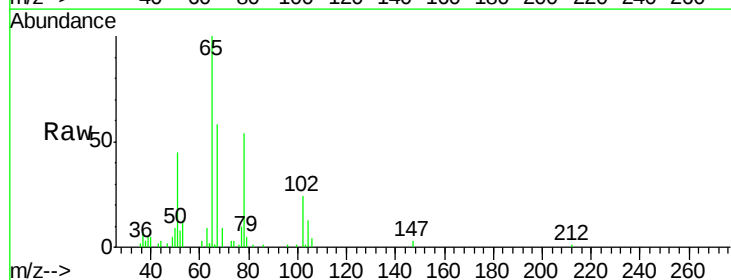
Manual Integrations
APPROVED

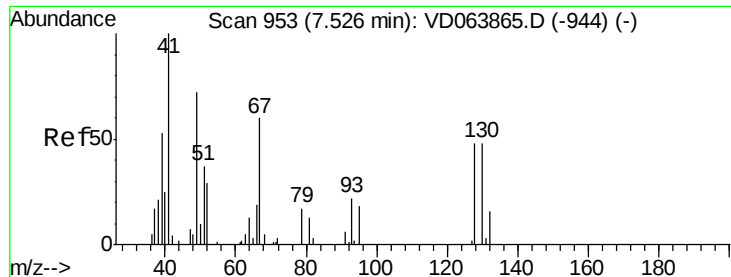
MMDadoda
10/4/2019 4:33:01 PM



#40
Benzene
Concen: 2.772 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	18.1	19.0	28.6#





#41

Methacrylonitrile

Concen: 3.237 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

ClientSampleId :

MDL04

Tot Ion: 41 Resp: 1899

Ion Ratio Lower Upper

41 100

39 80.1 52.6 78.8#

67 71.1 74.2 111.2#

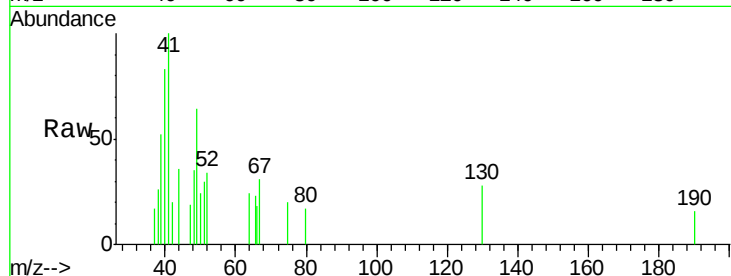
52 9.7 34.0 51.0#

Manual Integrations

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MMDadoda

10/4/2019 4:33:01 PM

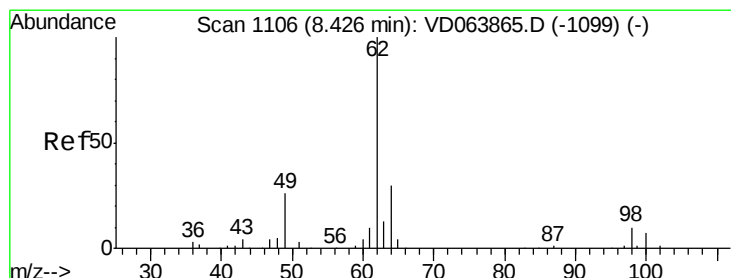
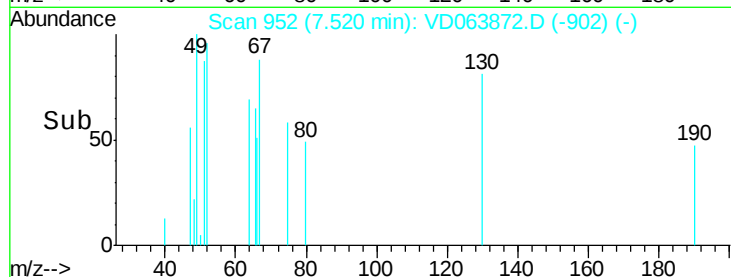
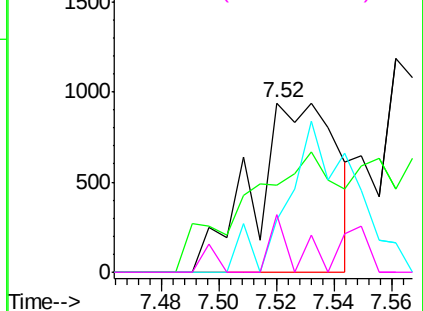


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 2.847 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD063872.D

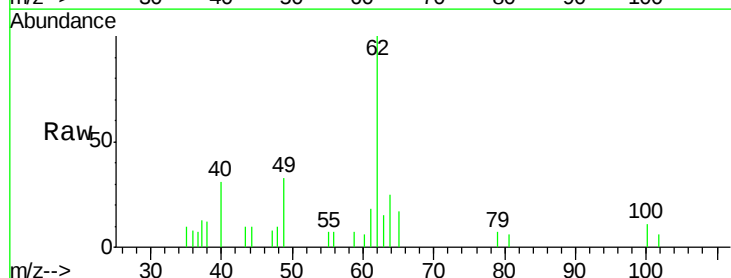
Acq: 02 Oct 2019 21:25

Tgt Ion: 62 Resp: 5972

Ion Ratio Lower Upper

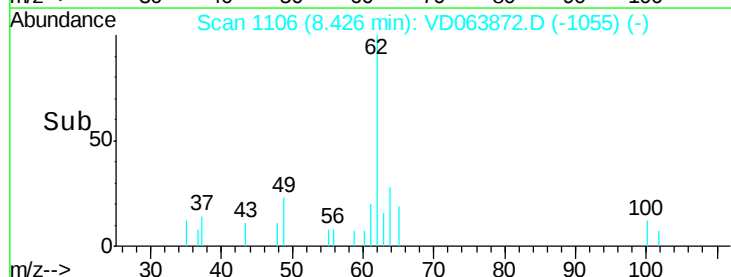
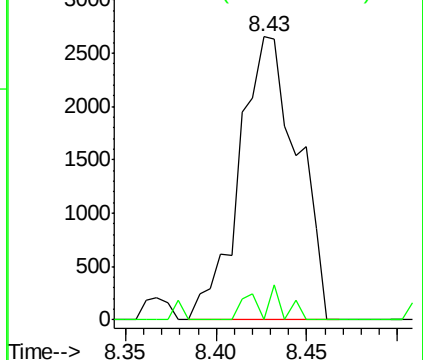
62 100

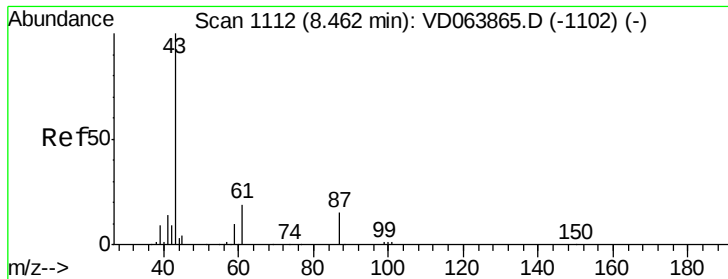
98 3.0 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 2.946 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

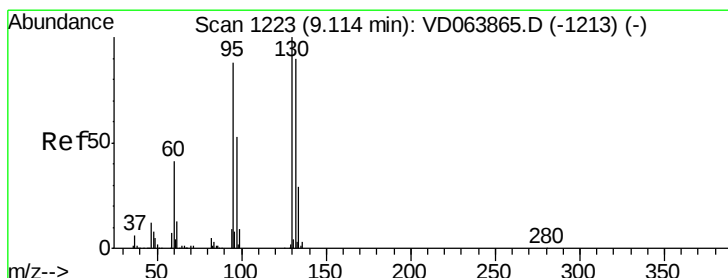
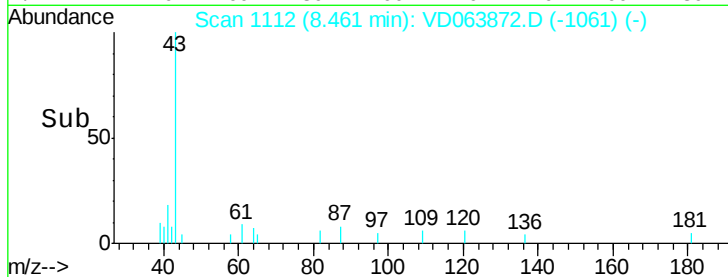
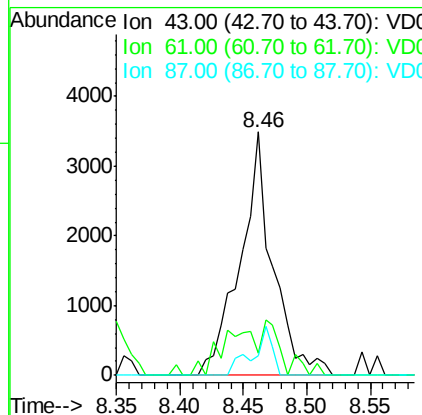
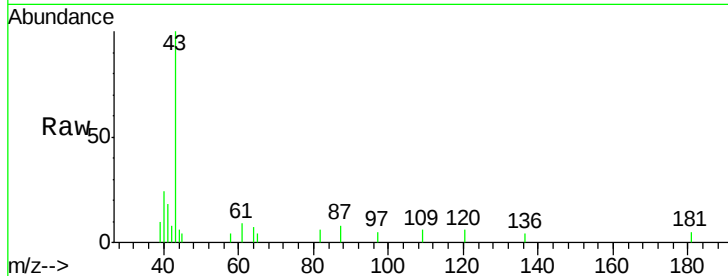
ClientSampleId :

MDL04

Tot Ion:	43	Resp:	6252
Ion	Ratio	Lower	Upper
43	100		
61	10.7	25.7	38.5#
87	12.1	11.6	17.4

Manual Integrations
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MMDadoda
10/4/2019 4:33:01 PM



#44

Trichloroethene

Concen: 2.648 ug/l

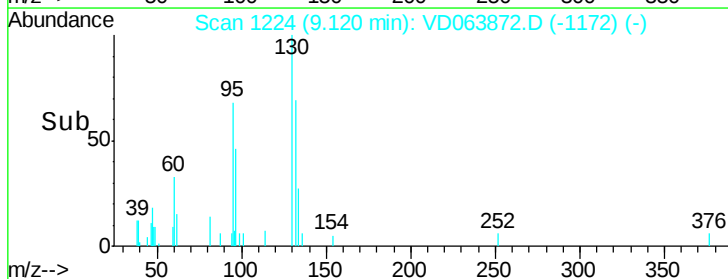
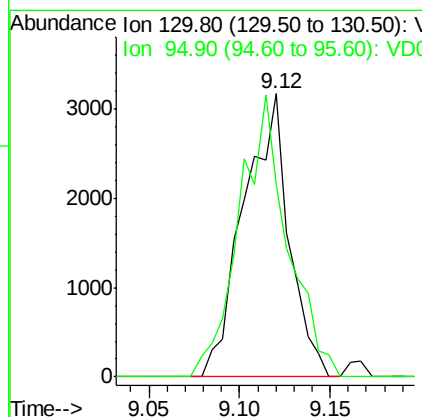
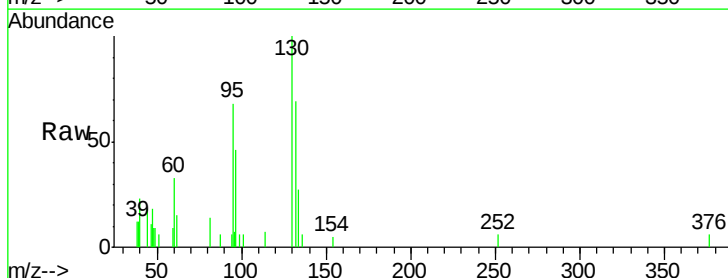
RT: 9.12 min Scan# 1224

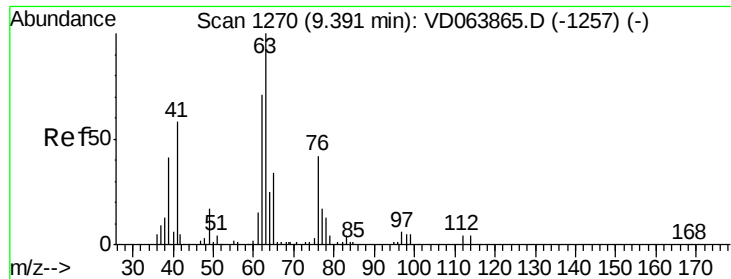
Delta R.T. 0.01 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Tgt Ion:	130	Resp:	5538
Ion	Ratio	Lower	Upper
130	100		
95	68.0	0.0	175.6





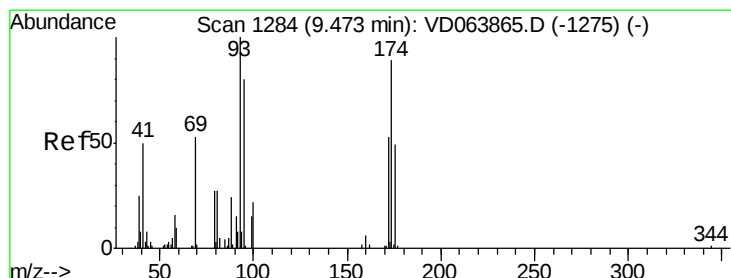
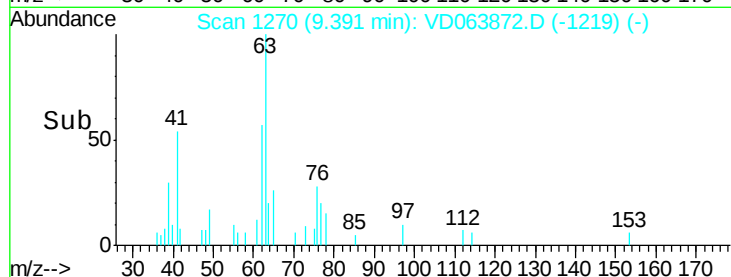
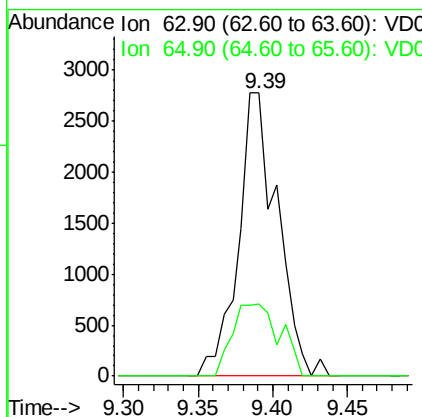
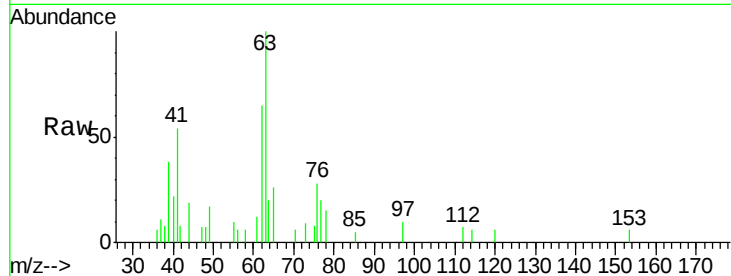
#45
 1,2-Dichloropropane
 Concen: 2.830 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL04

Tot Ion: 63 Resp: 5023
 Ion Ratio Lower Upper
 63 100
 65 25.7 27.3 40.9#

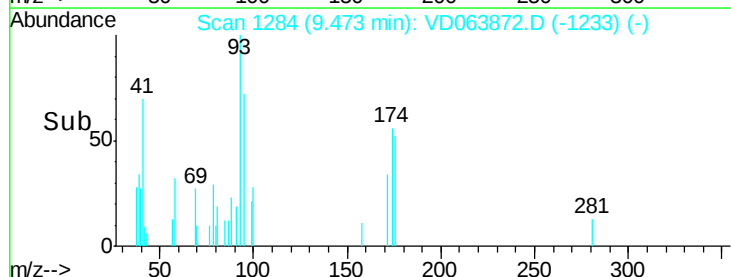
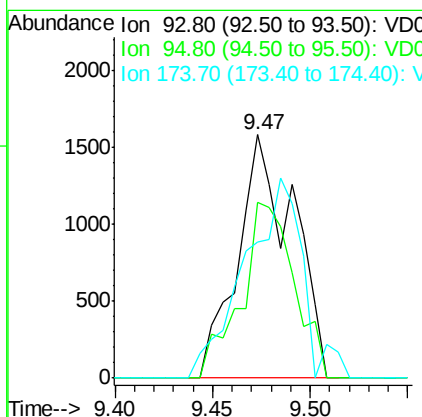
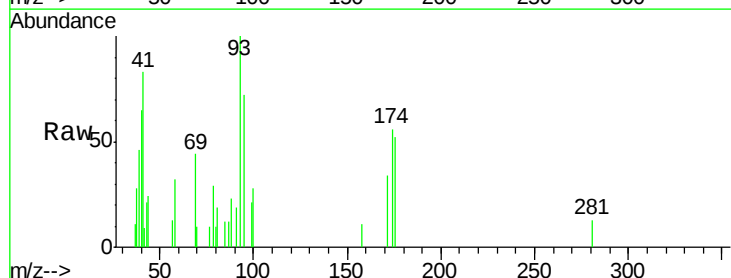
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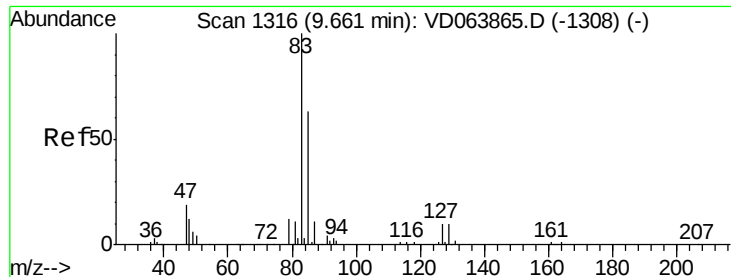
MMDadoda
 10/4/2019 4:33:01 PM



#46
 Dibromomethane
 Concen: 3.083 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Tgt Ion: 93 Resp: 3116
 Ion Ratio Lower Upper
 93 100
 95 68.9 66.0 99.0
 174 85.6 83.4 125.0





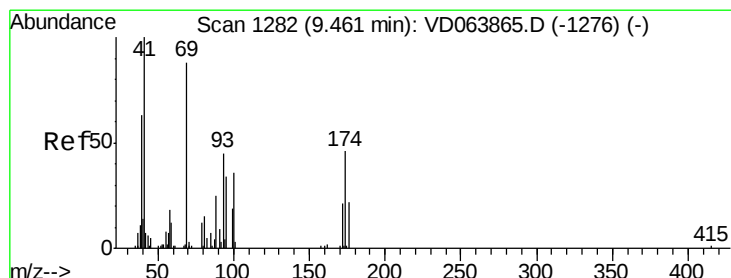
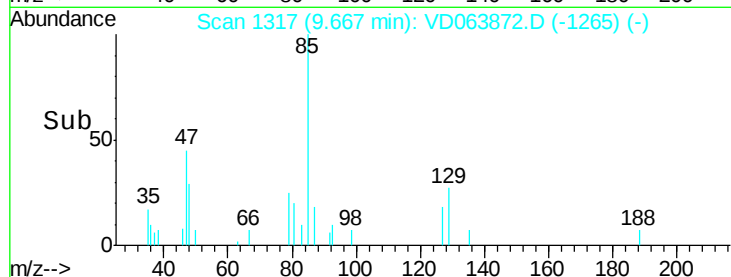
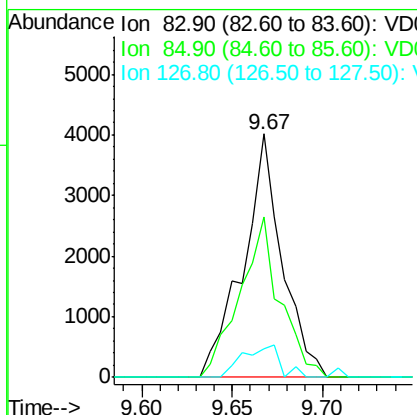
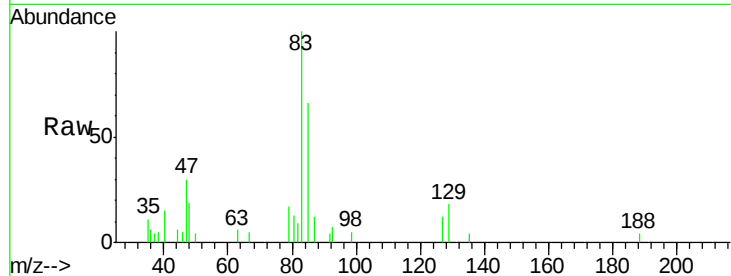
#47
Bromodichloromethane
Concen: 2.308 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.2	75.2
127	11.9	7.6	11.4

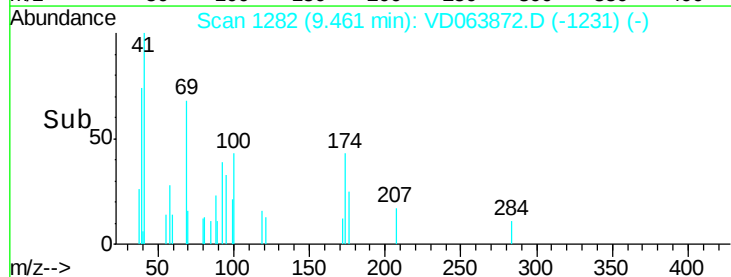
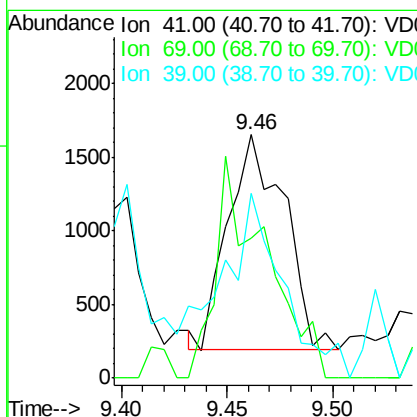
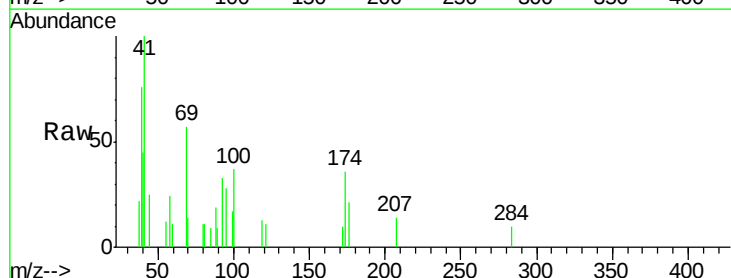
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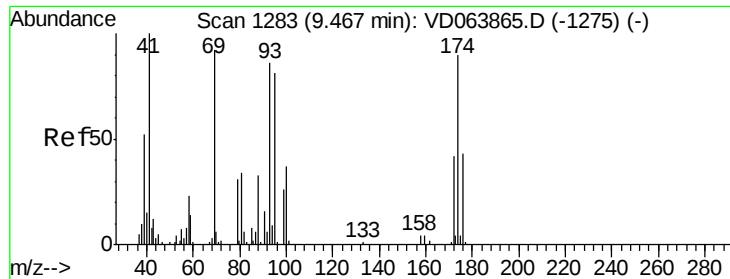
MMDadoda
10/4/2019 4:33:01 PM



#48
Methyl methacrylate
Concen: 2.657 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.1	75.1	112.7
39	96.0	50.2	75.2





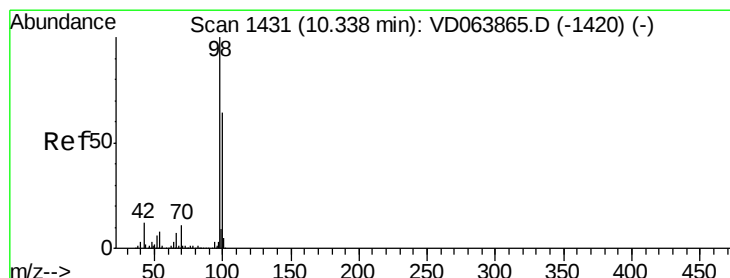
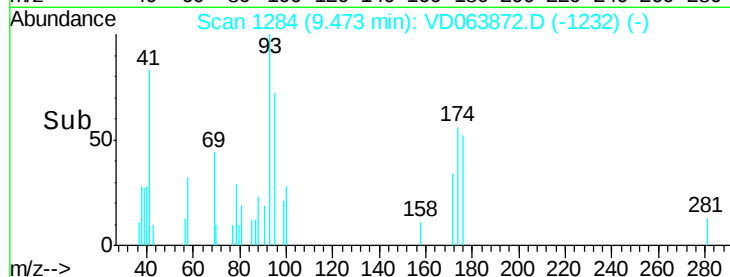
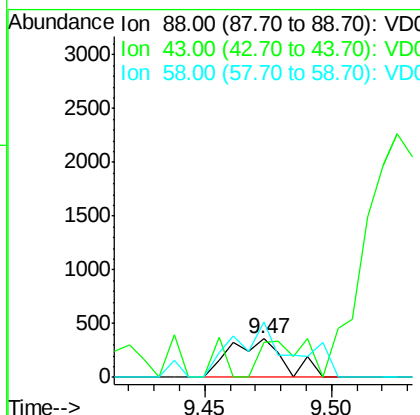
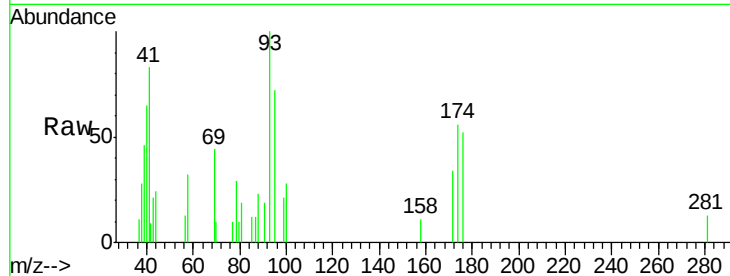
#49
1,4-Dioxane
Concen: 38.701 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
88	100		
43	80.3	27.6	41.4#
58	152.8	54.1	81.1#

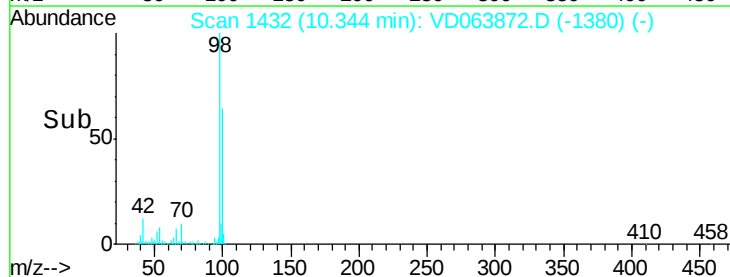
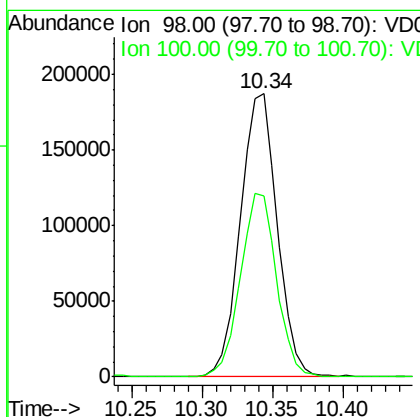
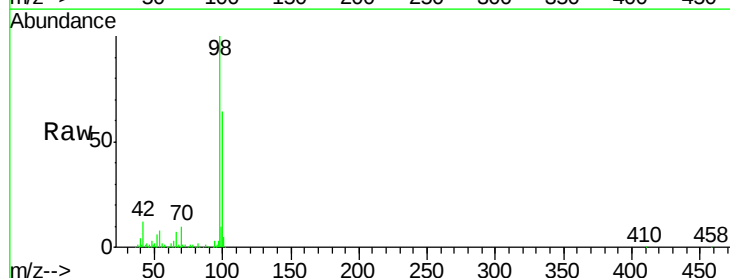
Manual Integrations
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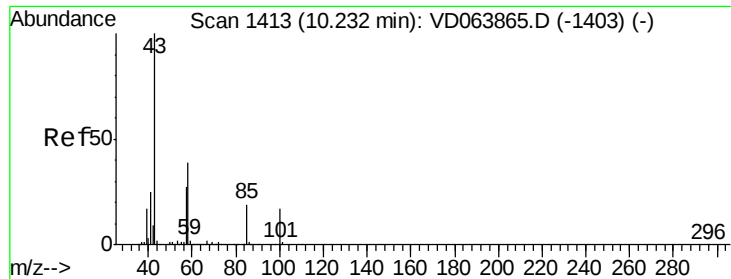
MMDadoda
10/4/2019 4:33:01 PM



#50
Toluene-d8
Concen: 49.754 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 15.149 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

ClientSampleID :

MDL04

Tot Ion: 43 Resp: 16673

Ion Ratio Lower Upper

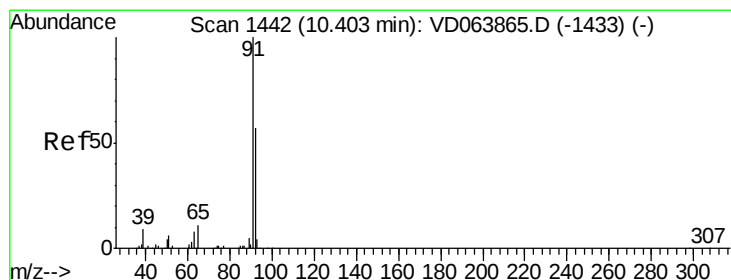
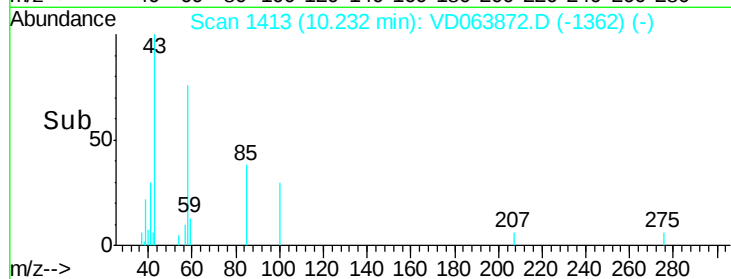
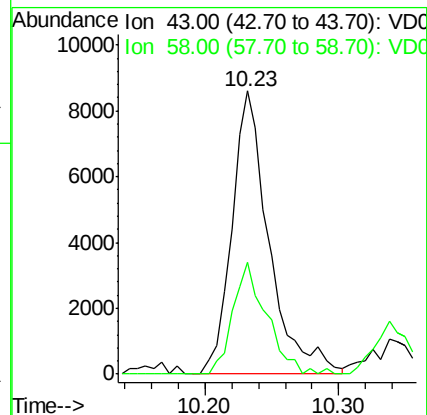
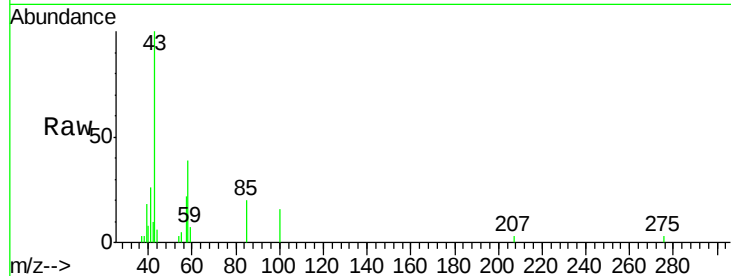
43 100

58 35.9 33.0 49.4

Manual Integrations
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10/4/2019 4:33:01 PM



#52

Toluene

Concen: 2.946 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063872.D

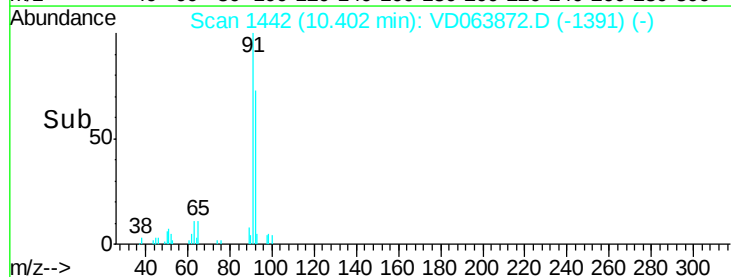
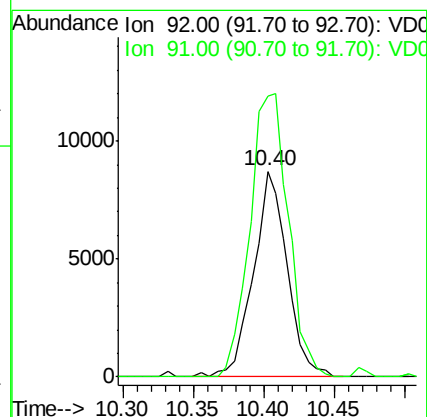
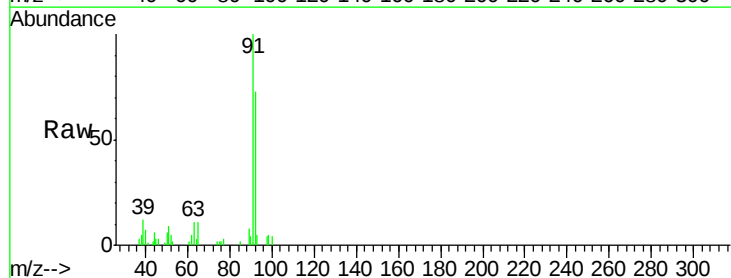
Acq: 02 Oct 2019 21:25

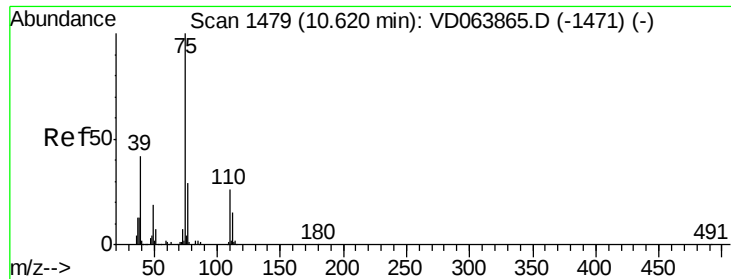
Tgt Ion: 92 Resp: 14664

Ion Ratio Lower Upper

92 100

91 157.2 139.5 209.3





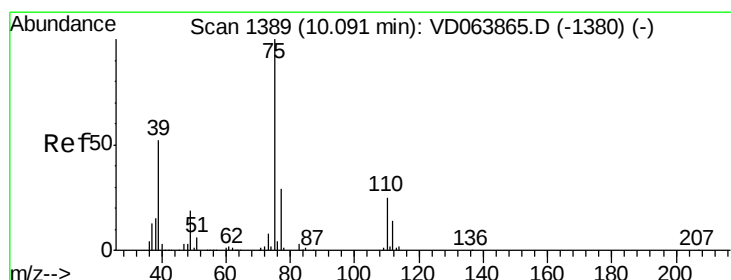
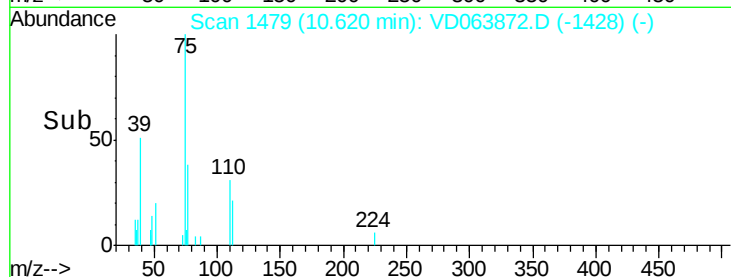
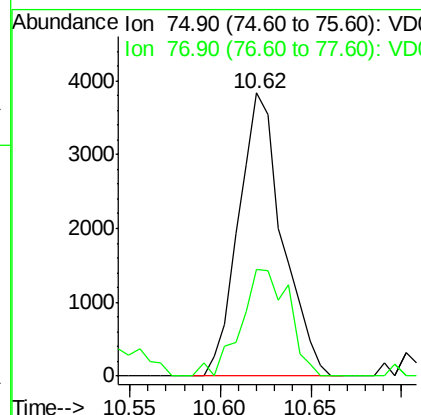
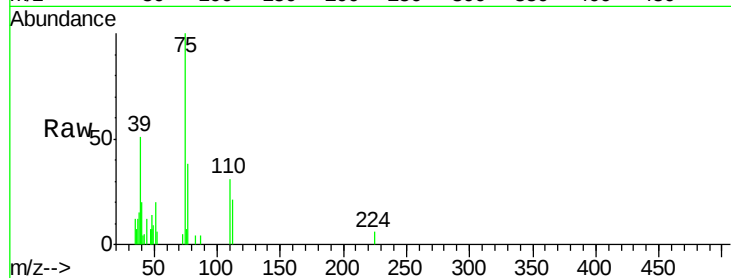
#53
 t-1,3-Dichloropropene
 Concen: 2.537 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL04

Tot Ion: 75 Resp: 6442
 Ion Ratio Lower Upper
 75 100
 77 37.8 22.8 34.2#

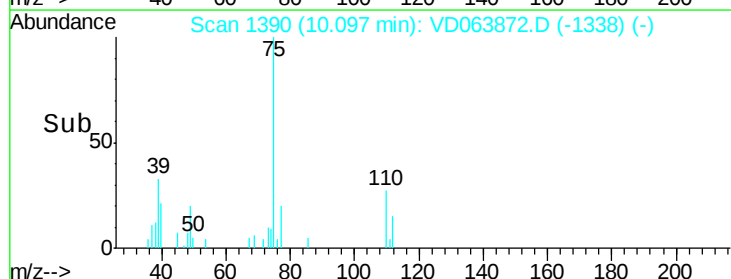
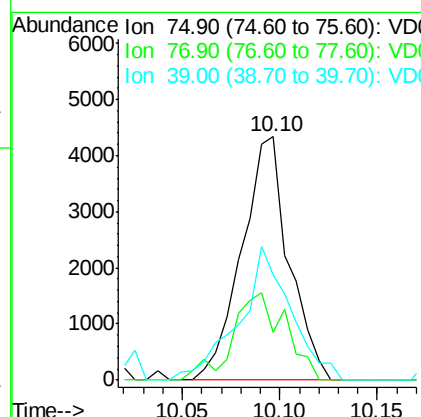
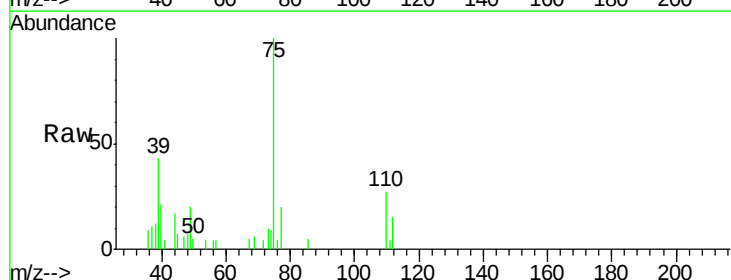
Manual Integrations
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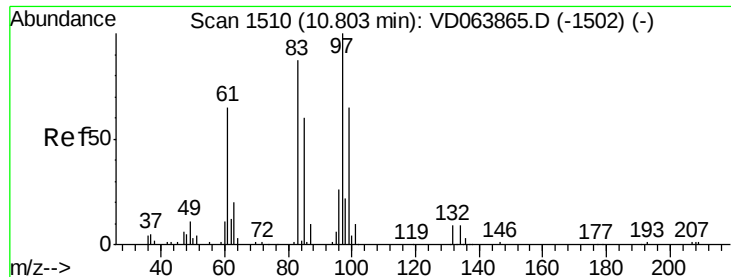
MMDadoda
 10/4/2019 4:33:01 PM



#54
 cis-1,3-Dichloropropene
 Concen: 2.487 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Tgt Ion: 75 Resp: 7271
 Ion Ratio Lower Upper
 75 100
 77 19.7 23.2 34.8#
 39 43.1 41.5 62.3





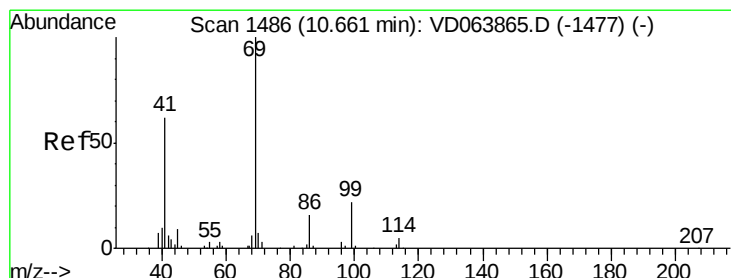
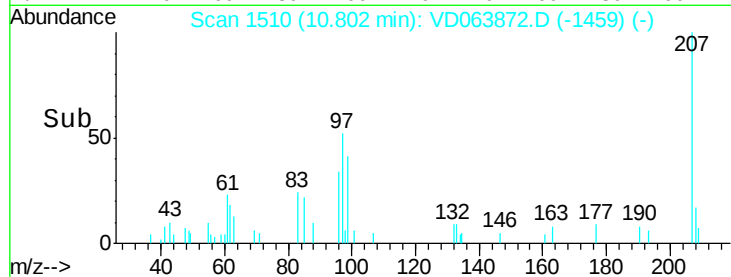
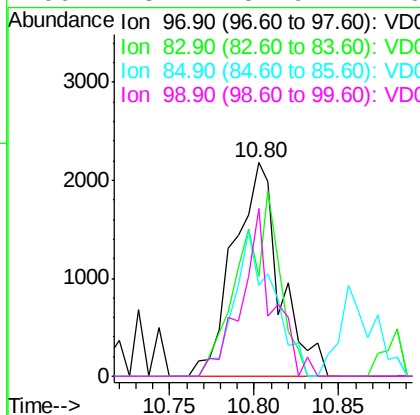
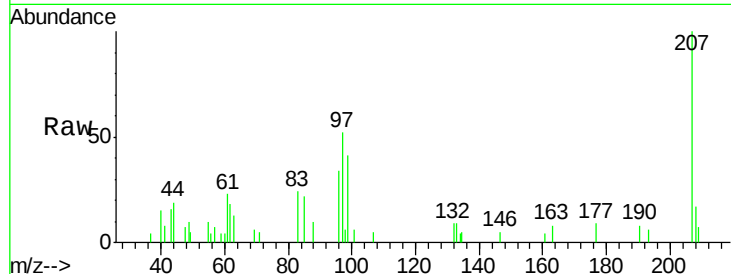
#55
 1,1,2-Trichloroethane
 Concen: 2.935 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
97	100		
83	47.0	69.7	104.5#
85	42.8	48.1	72.1#
99	78.4	51.9	77.9#

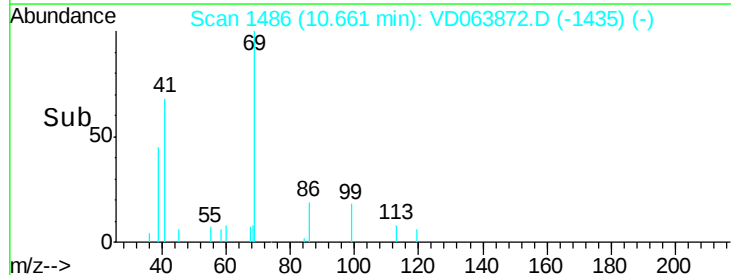
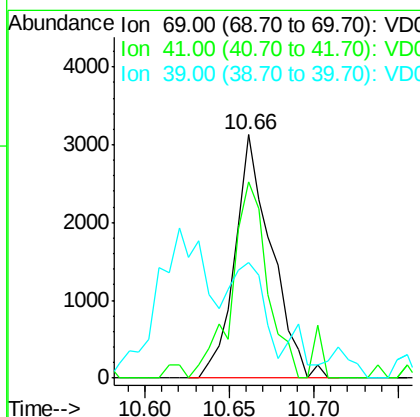
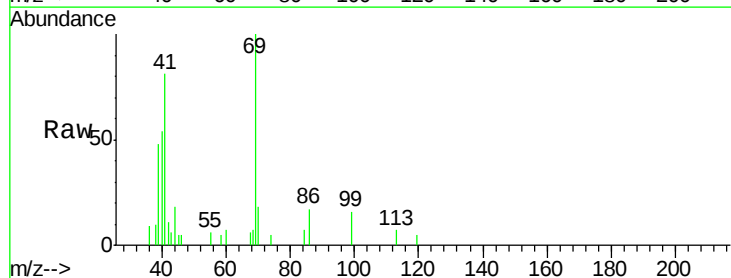
Manual Integrations
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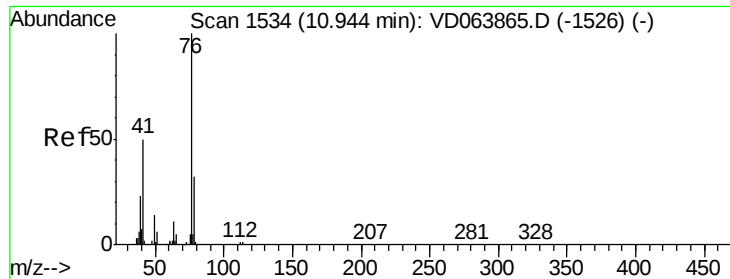
MMDadoda
 10/4/2019 4:33:01 PM



#56
 Ethyl methacrylate
 Concen: 2.596 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.9	51.3	76.9#
39	47.3	28.0	42.0#





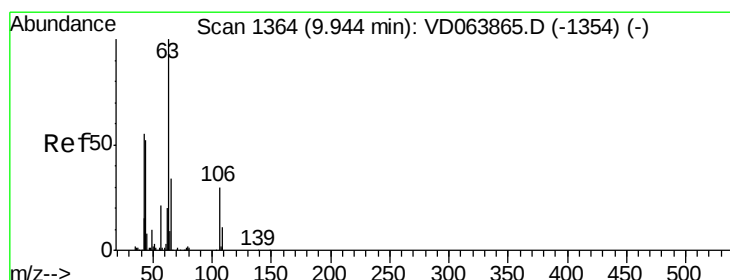
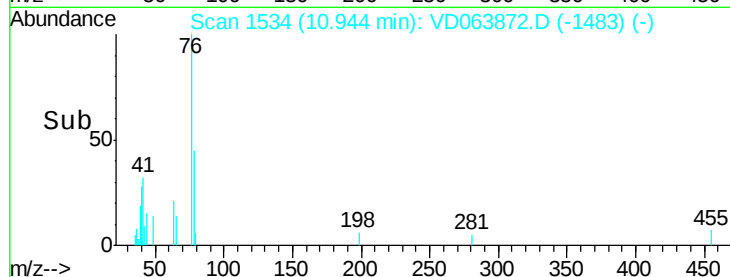
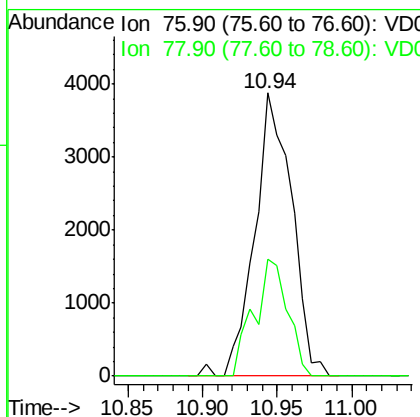
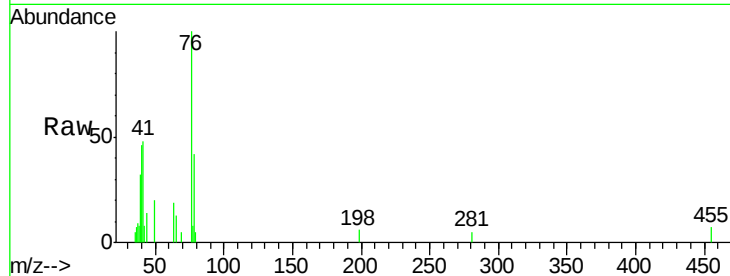
#57
 1,3-Dichloropropane
 Concen: 2.742 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL04

Tot Ion: 76 Resp: 6696
 Ion Ratio Lower Upper
 76 100
 78 37.4 26.6 40.0

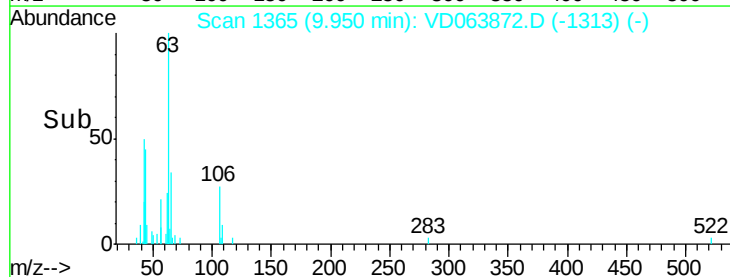
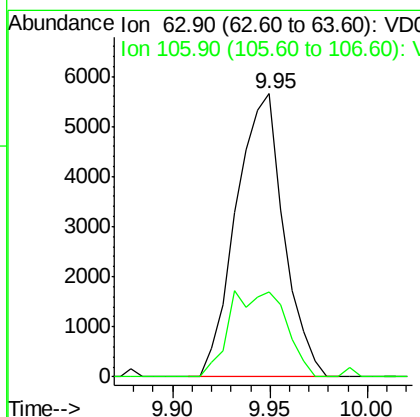
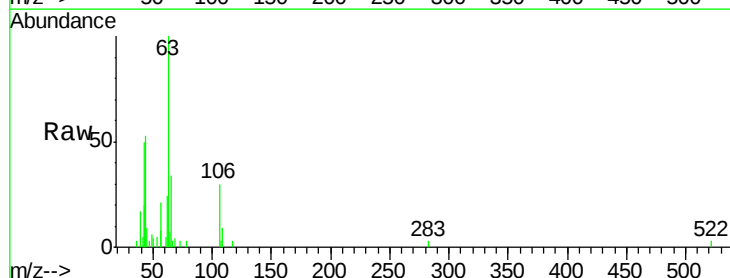
Manual Integrations
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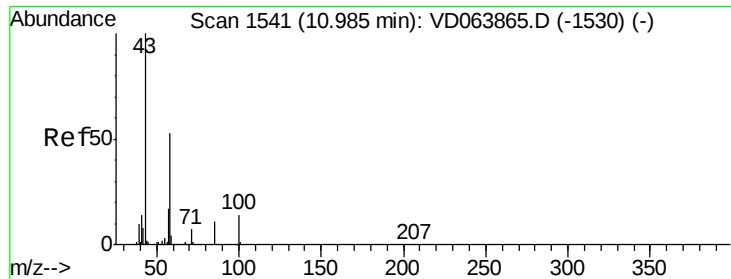
MMDadoda
 10/4/2019 4:33:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 12.314 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Tgt Ion: 63 Resp: 9567
 Ion Ratio Lower Upper
 63 100
 106 36.0 24.3 36.5





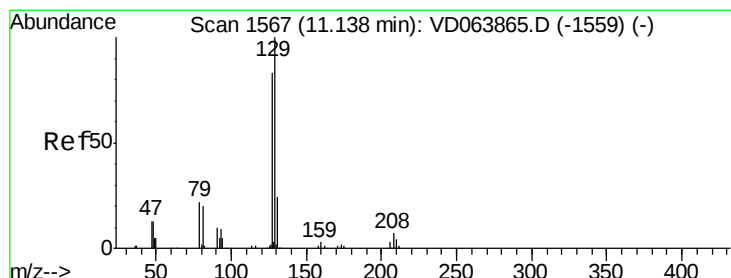
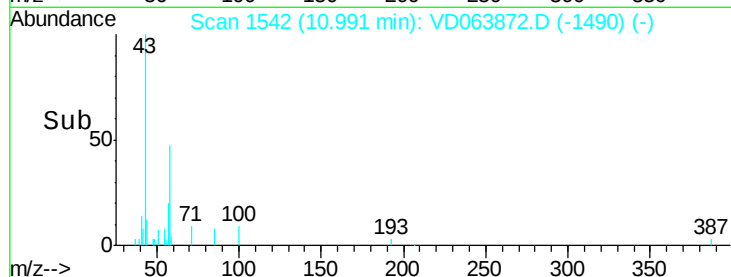
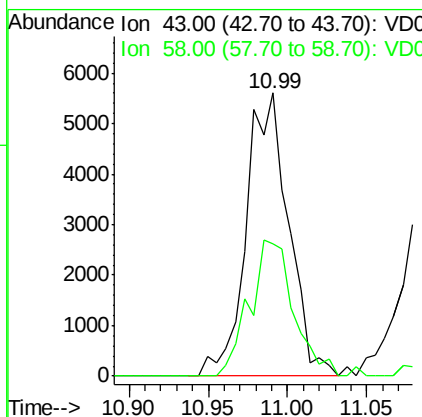
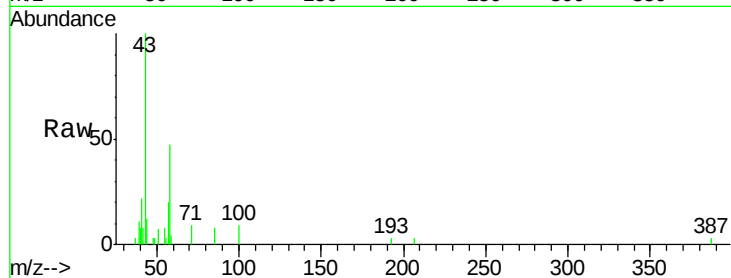
#59
2-Hexanone
Concen: 13.049 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
ClientSampleId :
MDL04

Tot Ion: 43 Resp: 10389
Ion Ratio Lower Upper
43 100
58 50.2 27.7 83.0

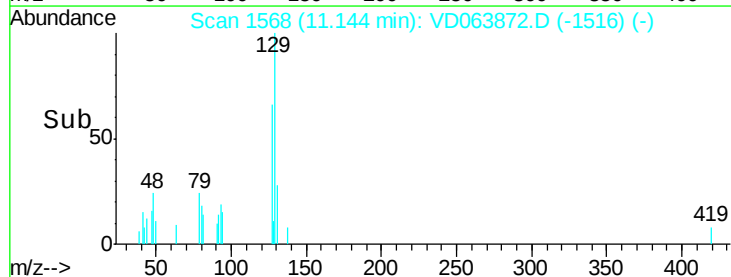
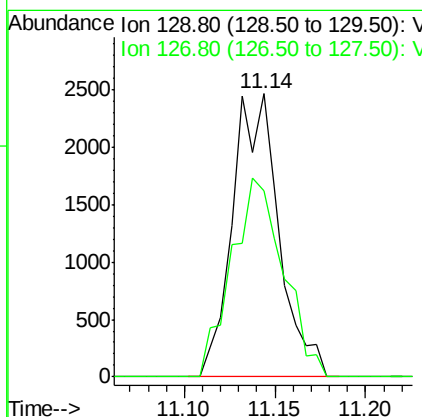
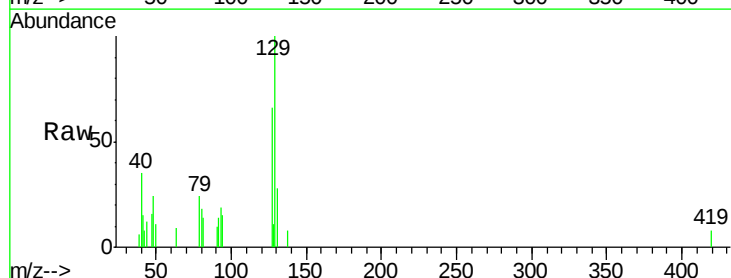
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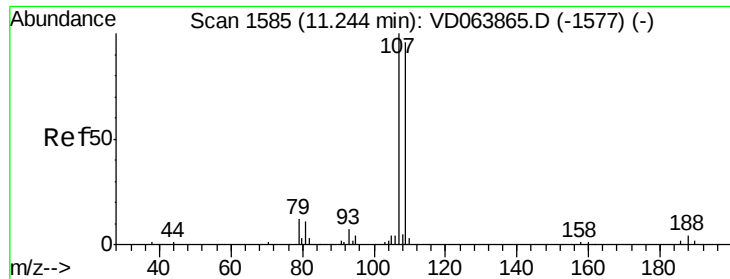
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#60
Dibromochloromethane
Concen: 2.358 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion: 129 Resp: 4381
Ion Ratio Lower Upper
129 100
127 78.5 39.9 119.6





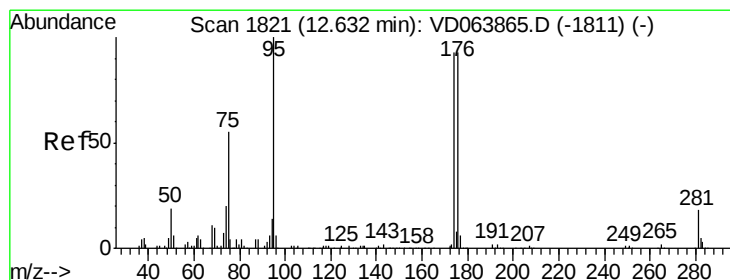
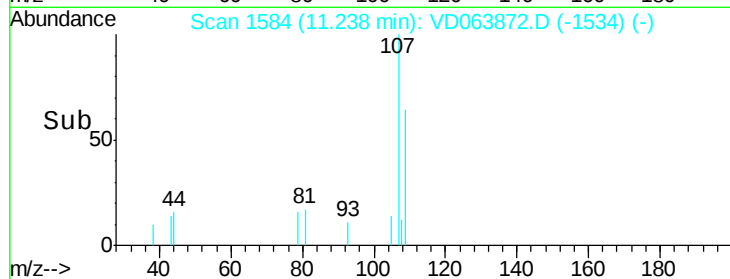
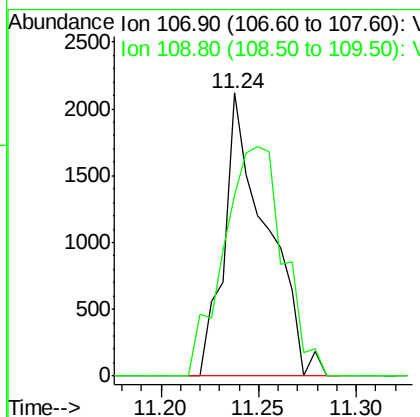
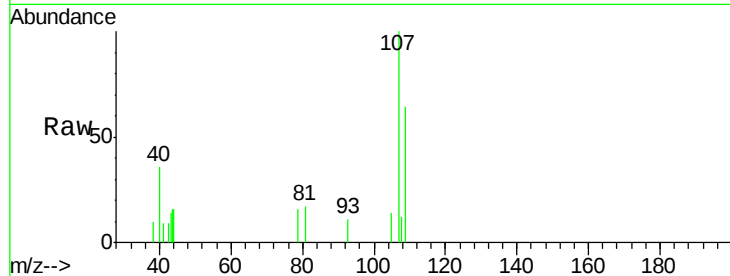
#61
 1,2-Dibromoethane
 Concen: 2.290 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL04

Tot Ion: 107 Resp: 3168
 Ion Ratio Lower Upper
 107 100
 109 115.2 75.2 112.8#

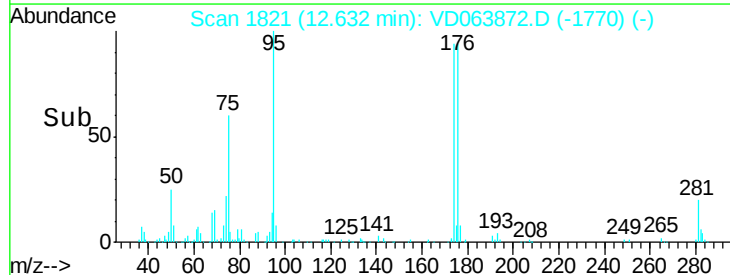
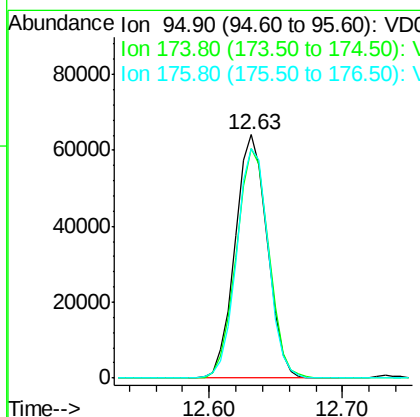
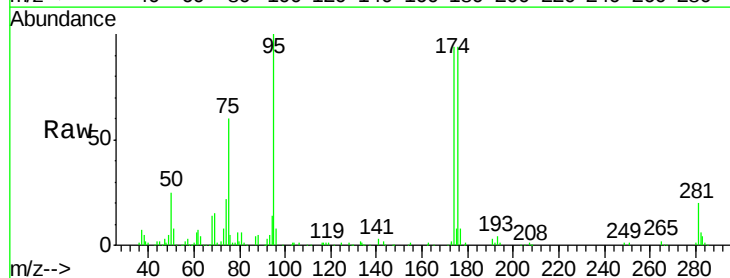
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#62
 4-Bromofluorobenzene
 Concen: 44.827 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Tgt Ion: 95 Resp: 106939
 Ion Ratio Lower Upper
 95 100
 174 95.1 0.0 186.4
 176 92.5 0.0 184.2





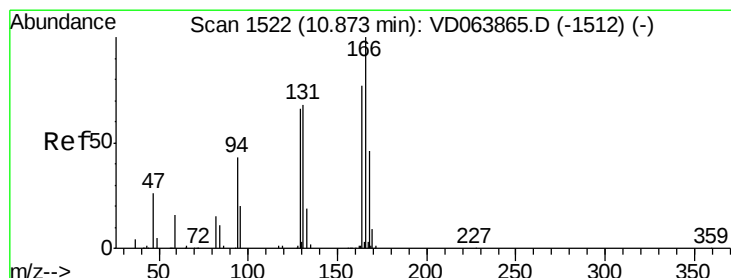
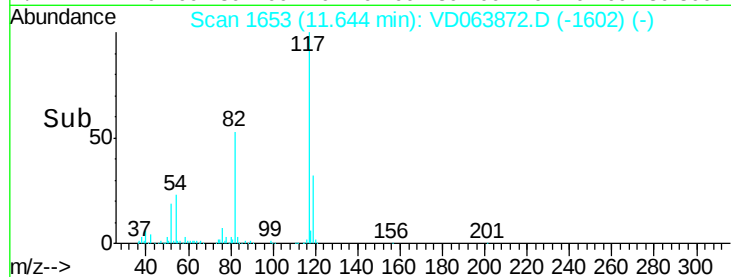
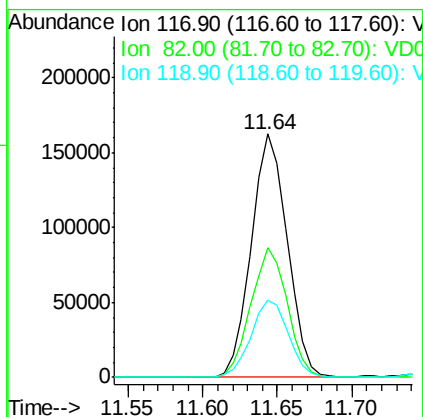
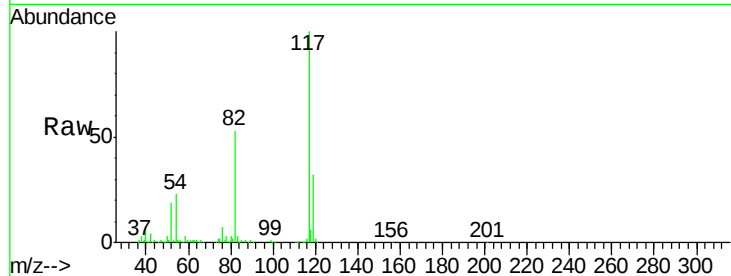
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
ClientSampleId :
MDL04

Tot Ion	Ratio	Resp	Lower	Upper
117	100	270731		
82	53.3	42.8	64.2	
119	31.8	24.4	36.6	

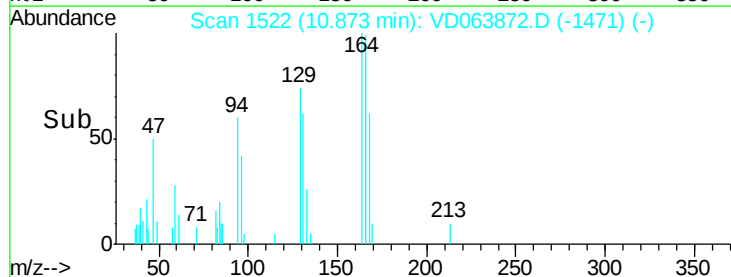
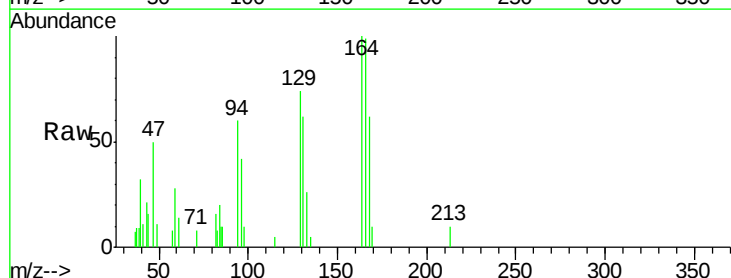
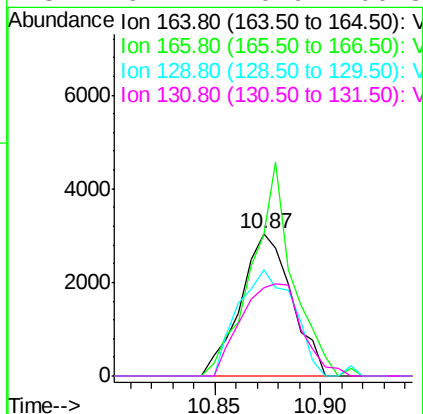
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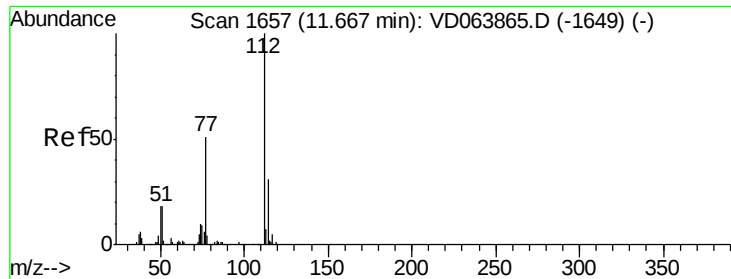
MMDadoda
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#64
Tetrachloroethene
Concen: 2.762 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5105		
166	99.3	103.8	155.6#	
129	74.3	68.9	103.3	
131	61.7	70.9	106.3#	





#65

Chlorobenzene

Concen: 2.691 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

ClientSampleId :

MDL04

Tot Ion:112 Resp: 14631

Ion Ratio Lower Upper

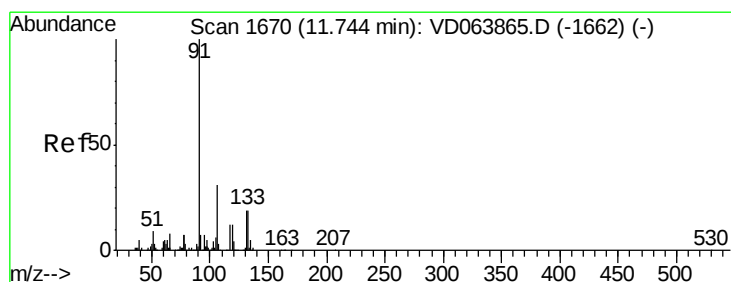
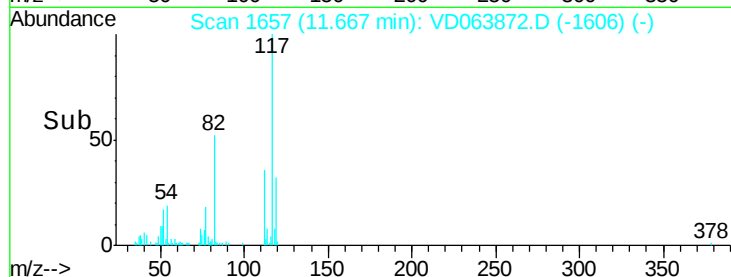
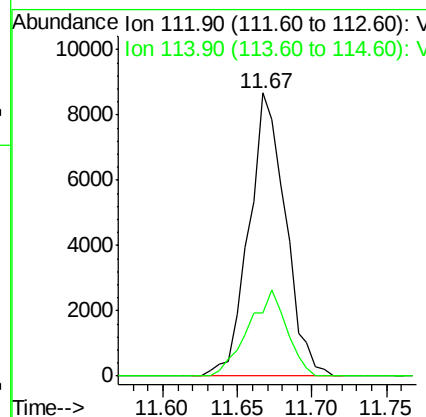
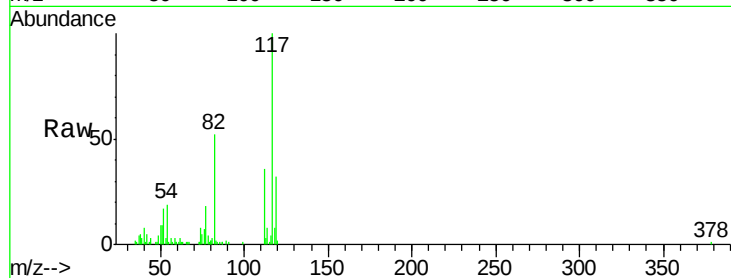
112 100

114 22.6 25.1 37.7#

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#66

1,1,1,2-Tetrachloroethane

Concen: 2.385 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

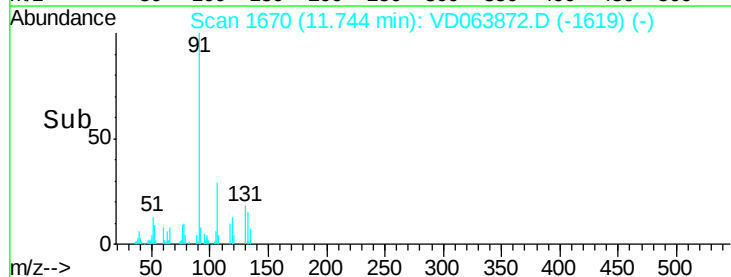
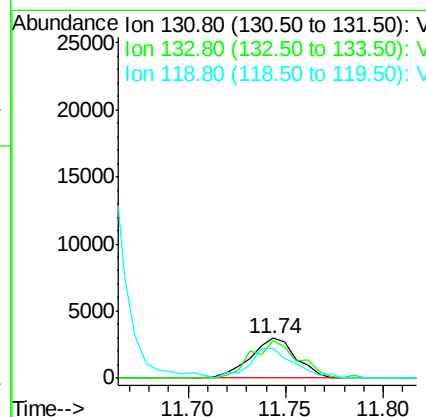
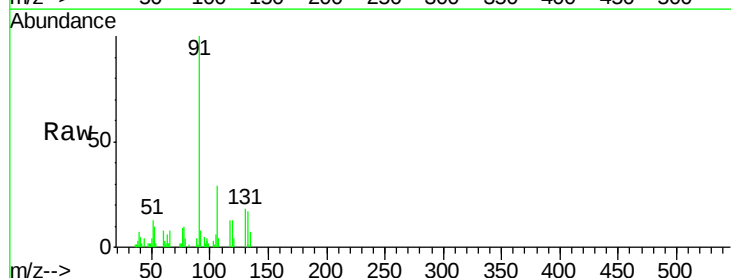
Tgt Ion:131 Resp: 4778

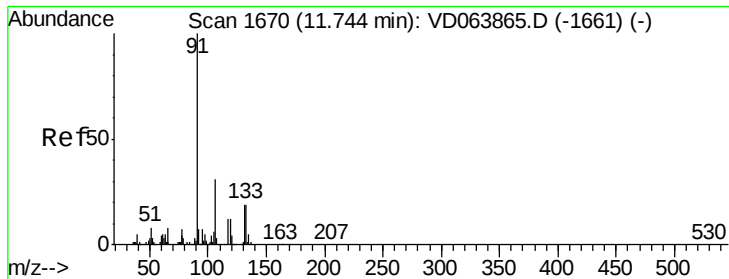
Ion Ratio Lower Upper

131 100

133 95.7 48.9 146.7

119 72.7 32.6 97.8





#67

Ethyl Benzene

Concen: 2.562 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 25120

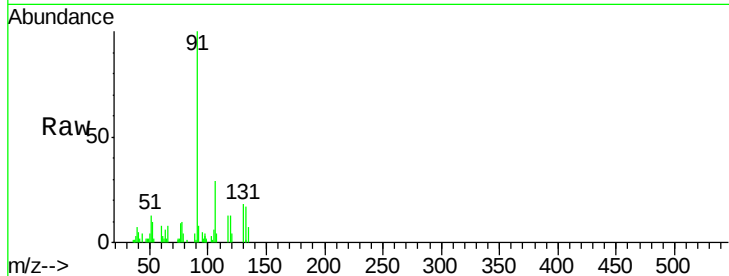
Ion Ratio Lower Upper

91 100

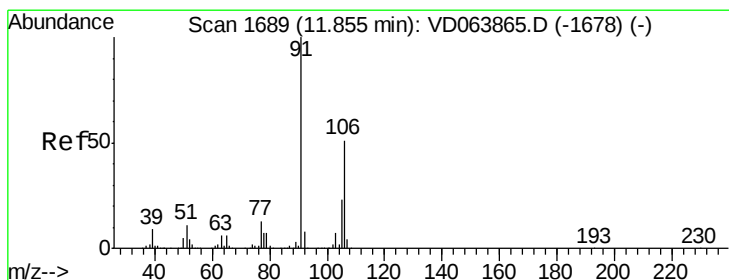
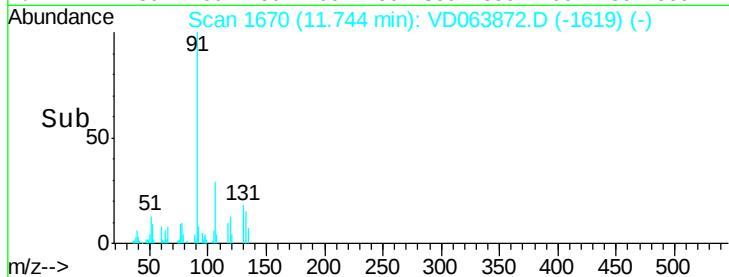
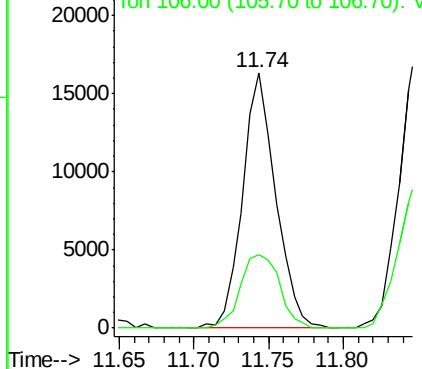
106 28.5 24.6 37.0

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Abundance Ion 91.00 (90.70 to 91.70): VD063872.D (-1619) (-)



#68

m/p-Xylenes

Concen: 5.396 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063872.D

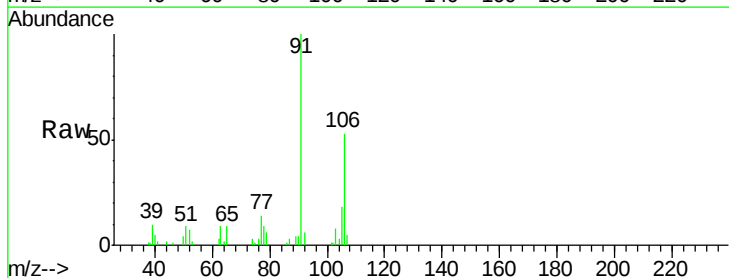
Acq: 02 Oct 2019 21:25

Tgt Ion: 106 Resp: 20419

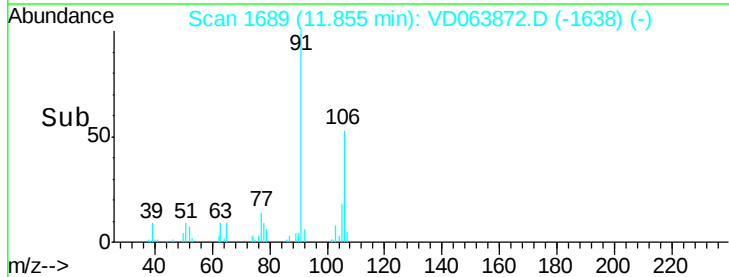
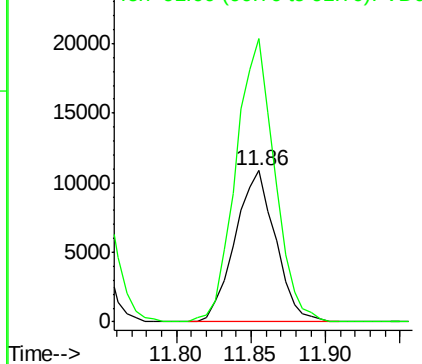
Ion Ratio Lower Upper

106 100

91 179.3 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): VD063872.D (-1638) (-)





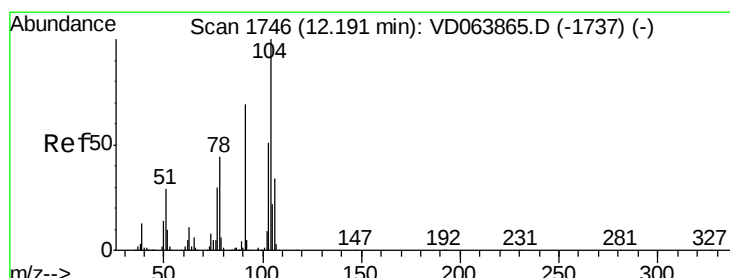
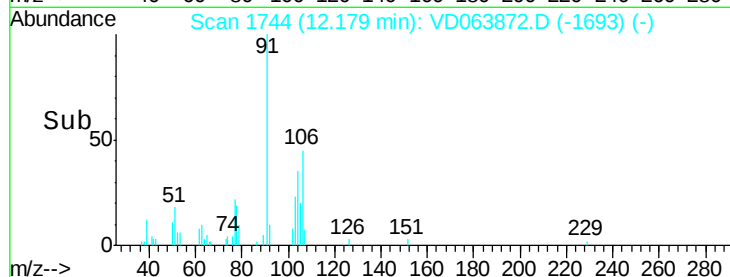
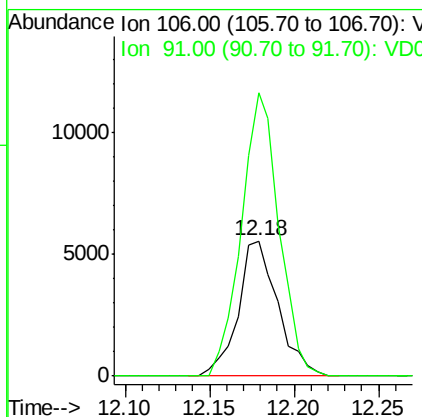
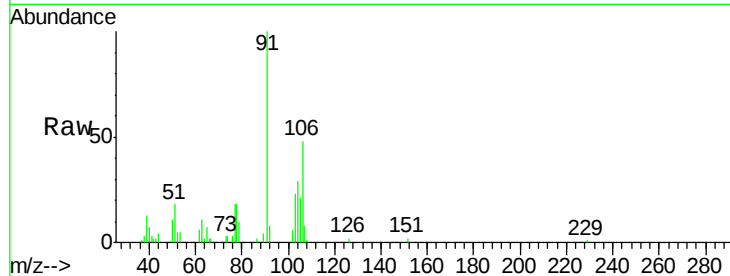
#69
o-Xylene
Concen: 2.508 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
106	100		
91	198.6	103.9	311.7

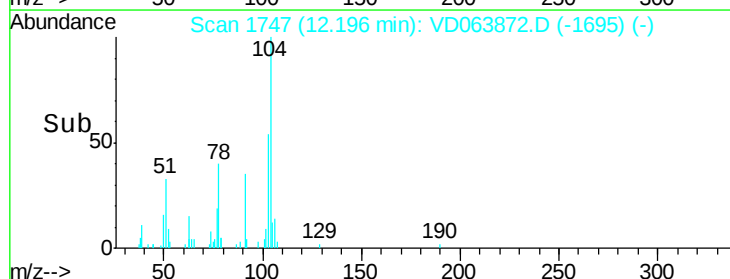
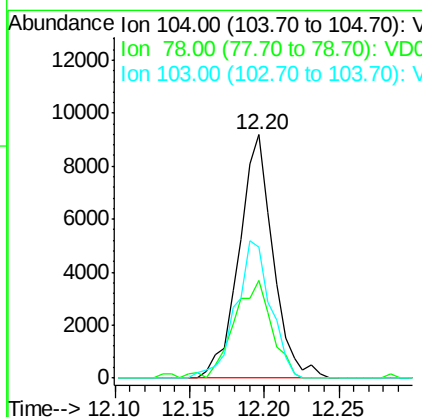
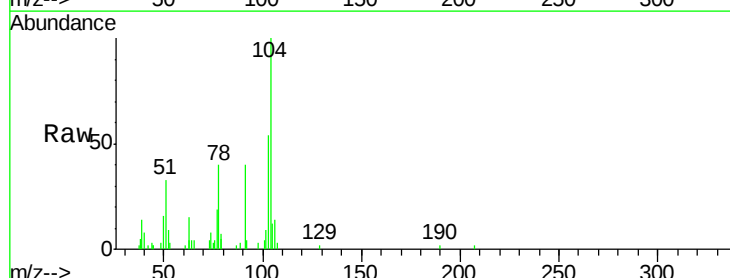
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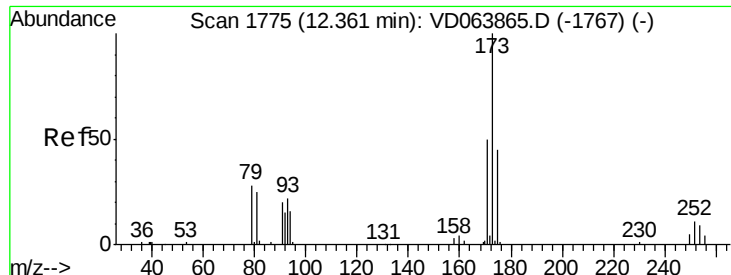
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#70
Styrene
Concen: 2.361 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	44.8	37.0	55.4
103	57.8	44.2	66.4





#71

Bromoform

Concen: 2.073 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

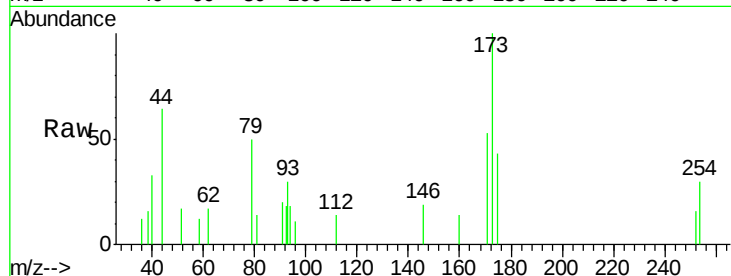
ClientSampleId :

MDL04

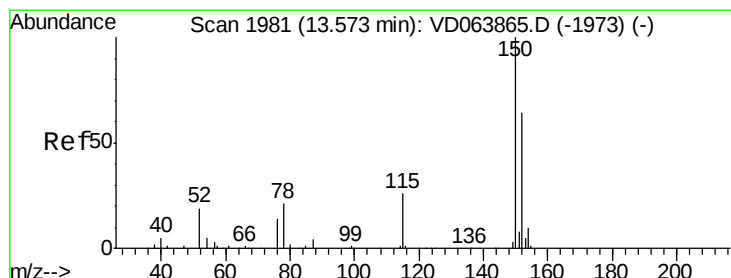
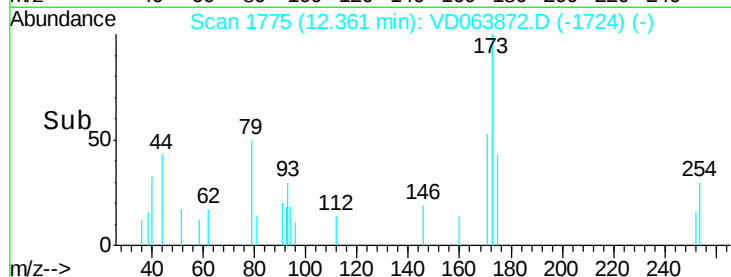
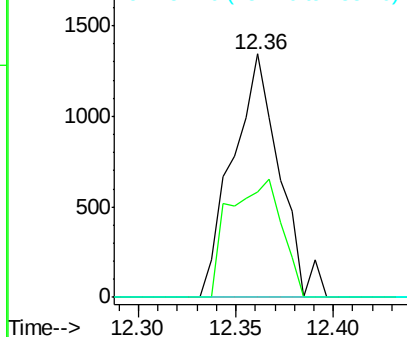
Tot Ion	Ratio	Lower	Upper
173	100		
175	54.5	24.6	74.0
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

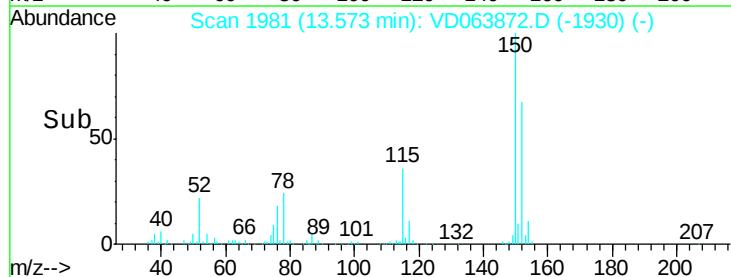
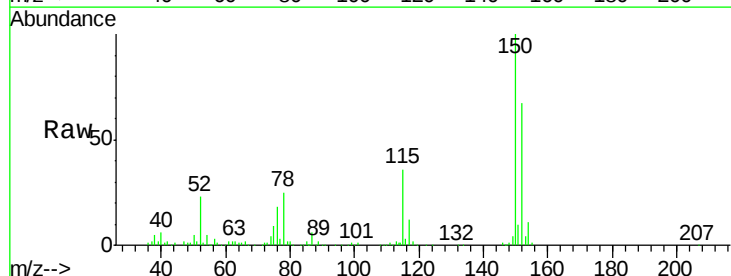
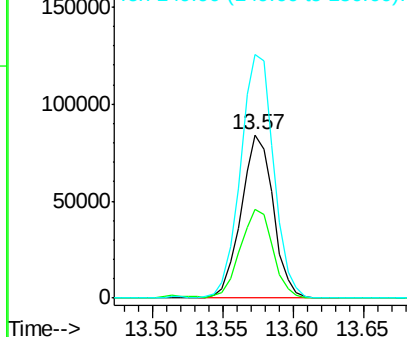
Delta R.T. -0.00 min

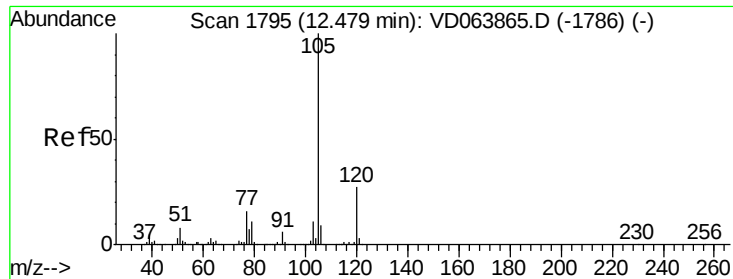
Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	25.9	77.7
150	155.1	0.0	344.2

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





#73

Isopropylbenzene

Concen: 2.560 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

ClientSampleId :

MDL04

Tot Ion: 105 Resp: 22963

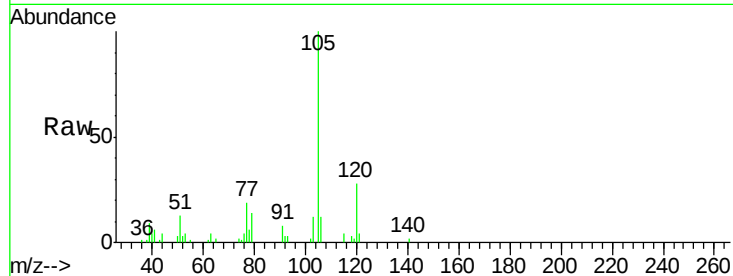
Ion Ratio Lower Upper

105 100

120 28.3 13.3 39.8

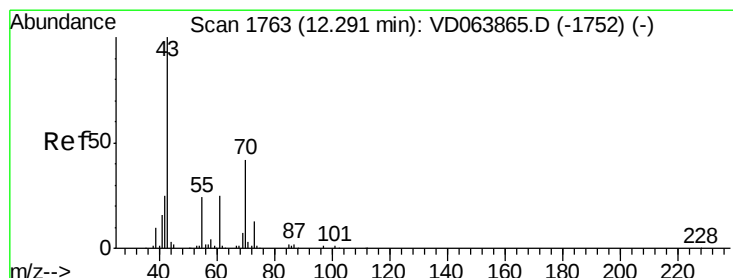
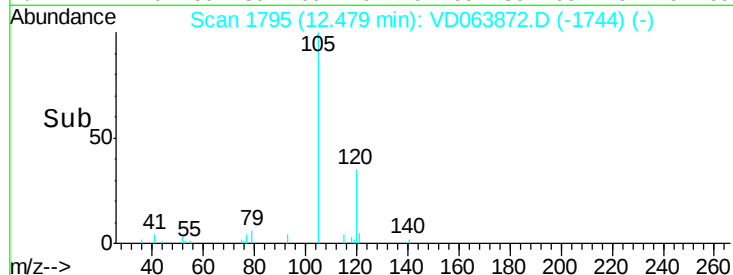
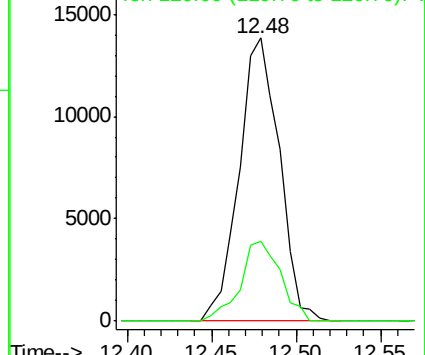
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 3.032 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Tgt Ion: 43 Resp: 5856

Ion Ratio Lower Upper

43 100

70 40.1 35.8 53.6

55 28.4 19.4 29.0

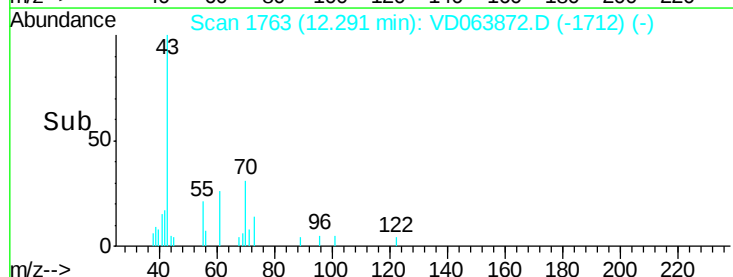
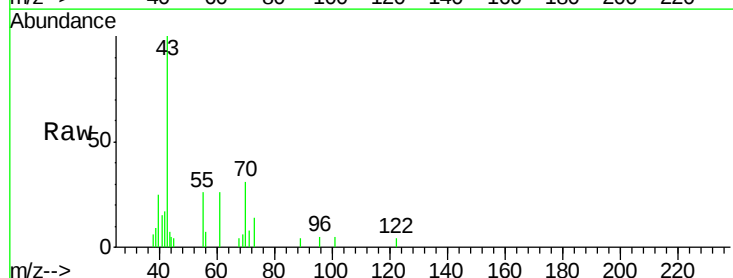
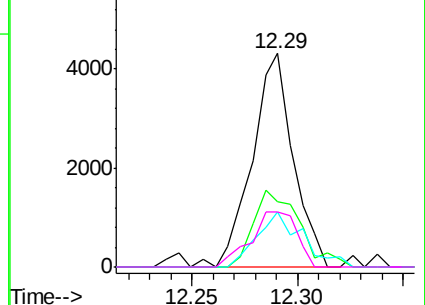
61 28.7 20.4 30.6

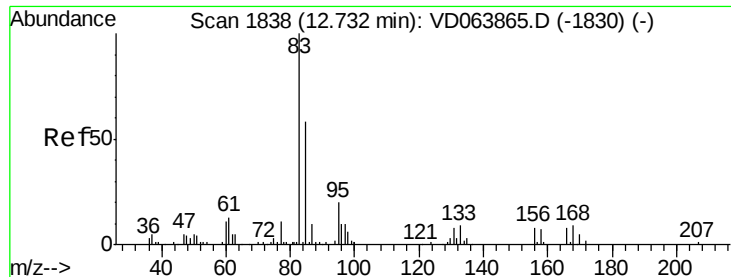
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 2.846 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

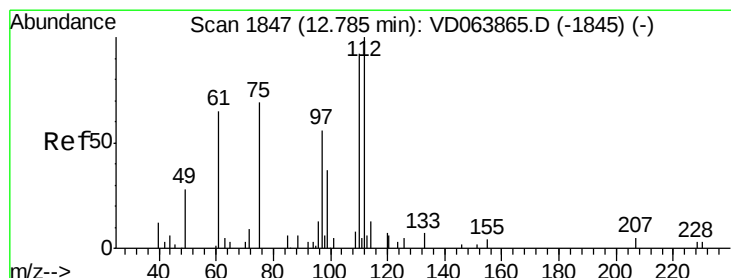
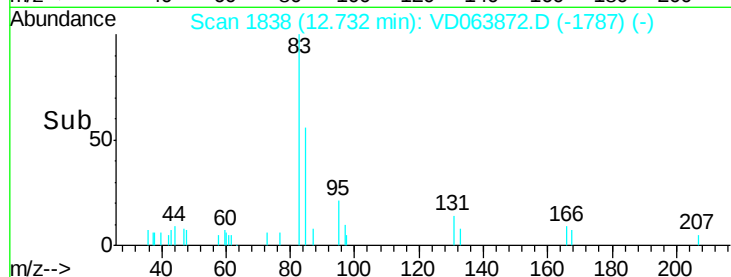
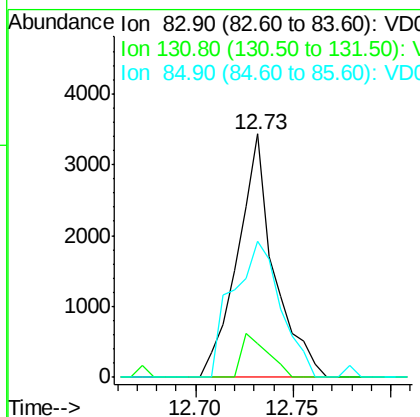
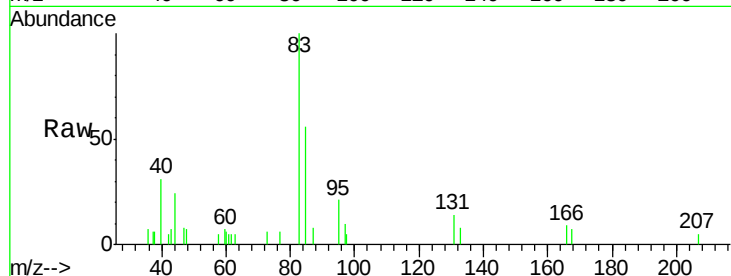
ClientSampleId :

MDL04

Tot Ion:	83	Resp:	4443
Ion	Ratio	Lower	Upper
83	100		
131	12.8	5.6	16.8
85	73.8	32.3	96.8

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 3.031 ug/l m

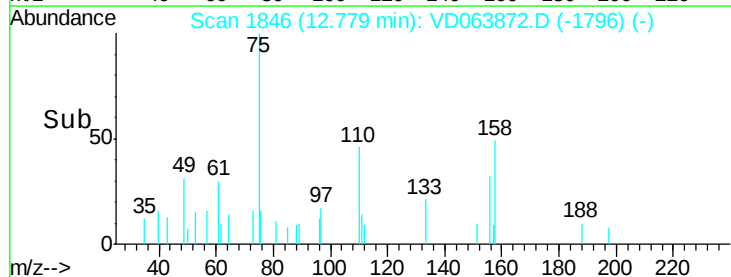
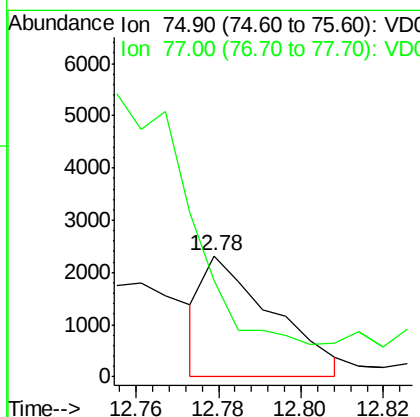
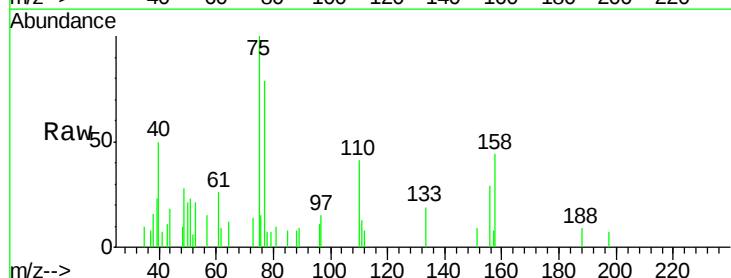
RT: 12.78 min Scan# 1846

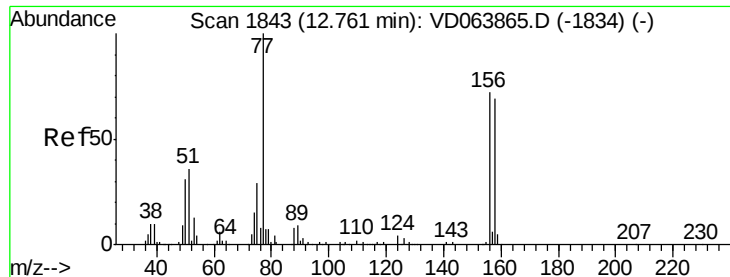
Delta R.T. -0.01 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Tgt Ion:	75	Resp:	2709
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.515 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

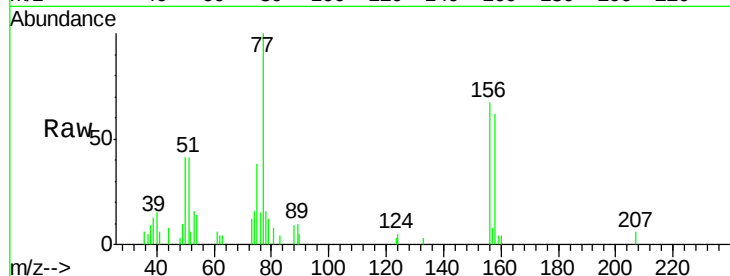
ClientSampleId :

MDL04

Tot Ion	Ratio	Lower	Upper
156	100		
77	190.8	80.3	241.0
158	104.7	47.4	142.2

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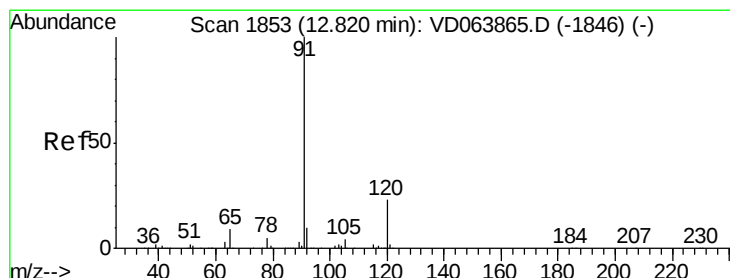
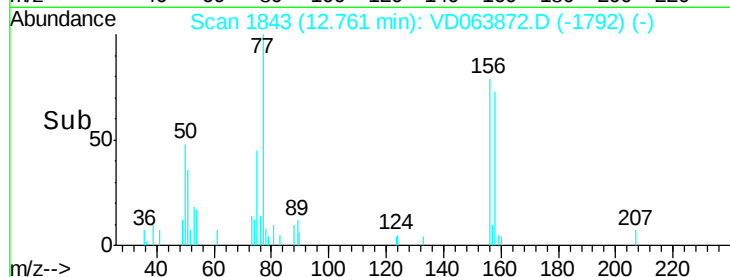
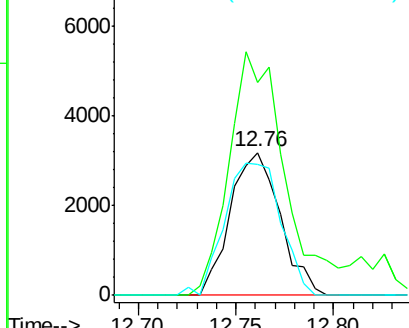
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.619 ug/l

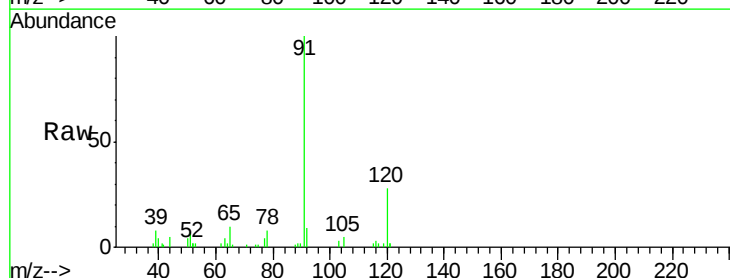
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063872.D

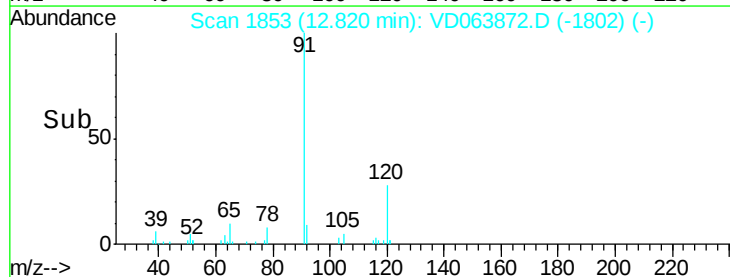
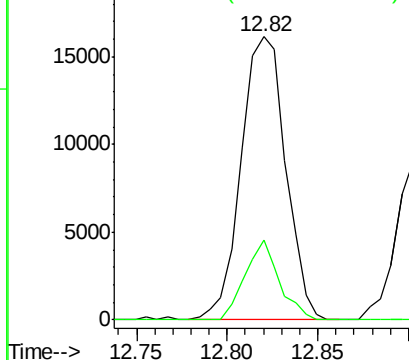
Acq: 02 Oct 2019 21:25

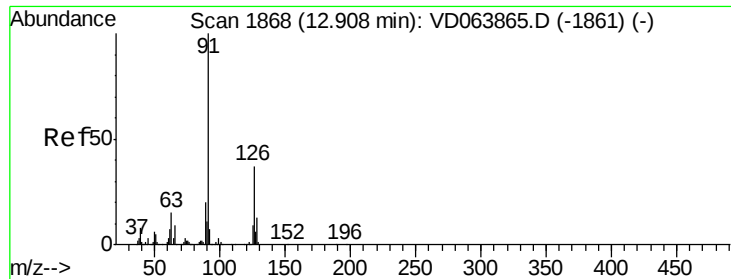
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.912 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

ClientSampled :

MDL04

Tot Ion: 91 Resp: 16905

Ion Ratio Lower Upper

91 100

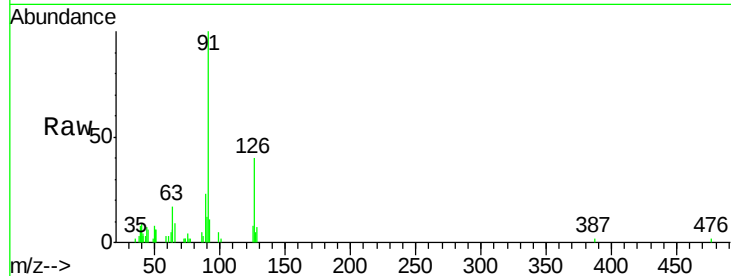
126 31.4 18.4 55.2

Manual Integrations

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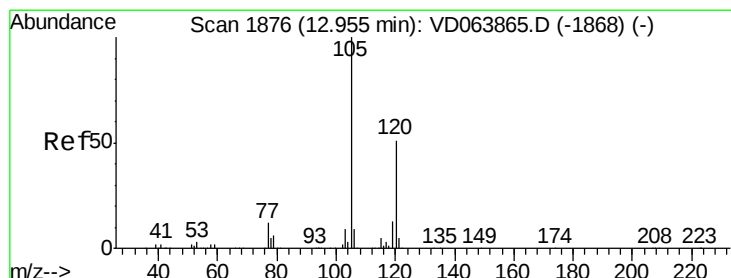
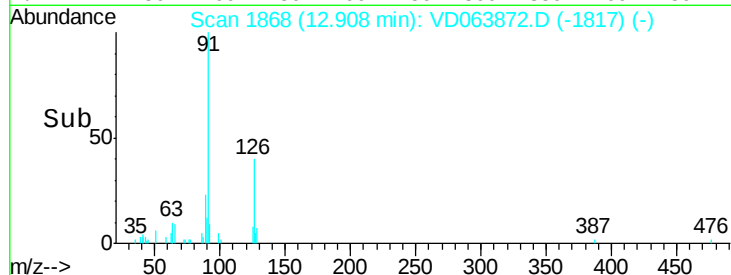
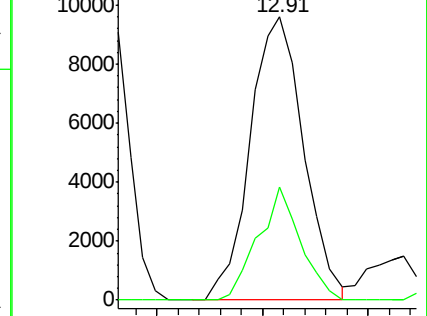
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 2.629 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063872.D

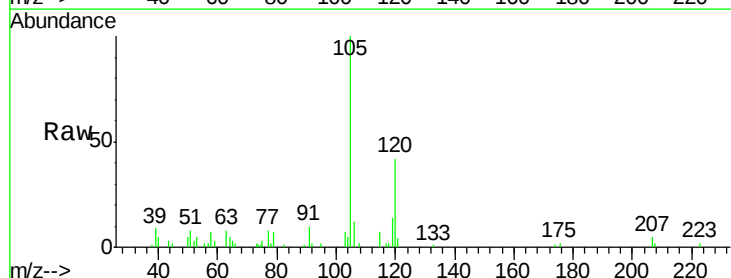
Acq: 02 Oct 2019 21:25

Tgt Ion: 105 Resp: 19678

Ion Ratio Lower Upper

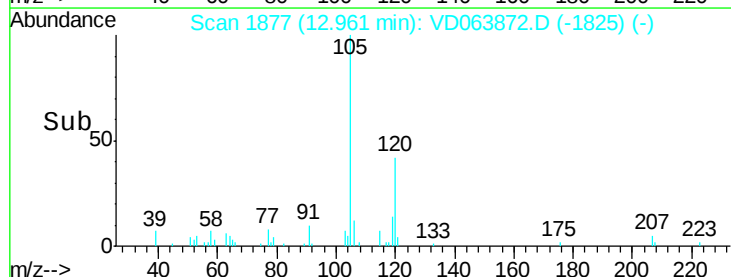
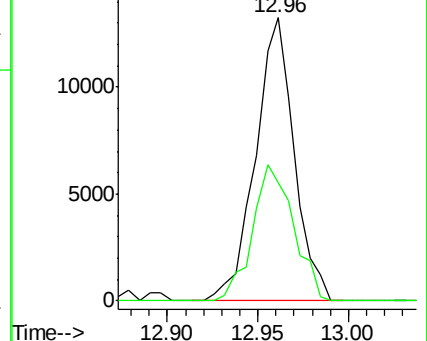
105 100

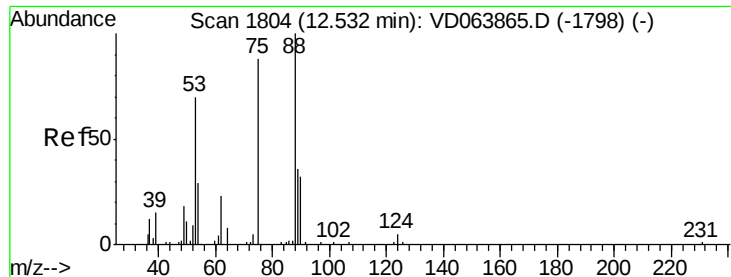
120 50.9 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





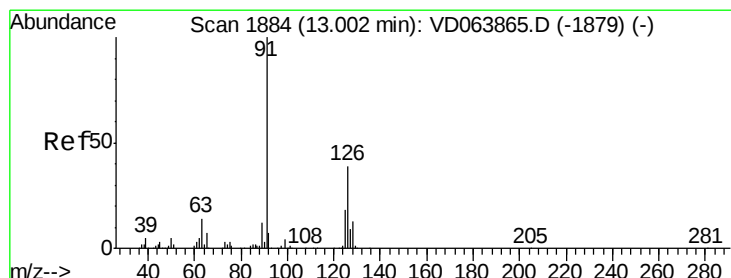
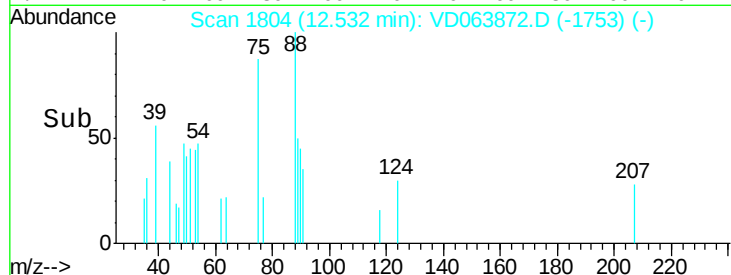
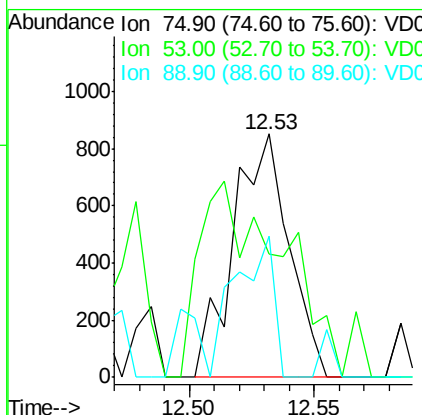
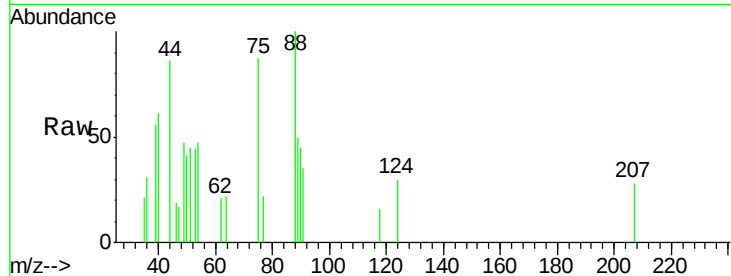
#81
trans-1,4-Dichloro-2-butene
Concen: 2.616 ug/l m
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.0	112.6#
89	6.3	38.2	57.4#

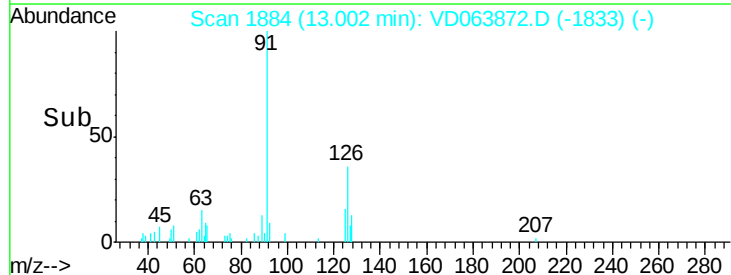
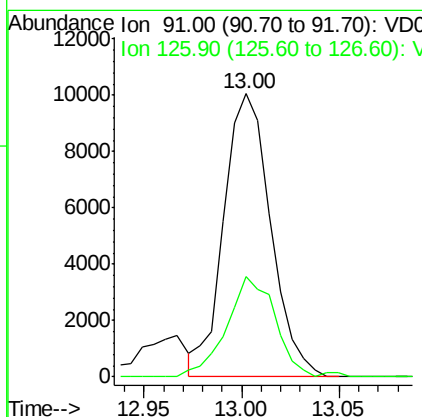
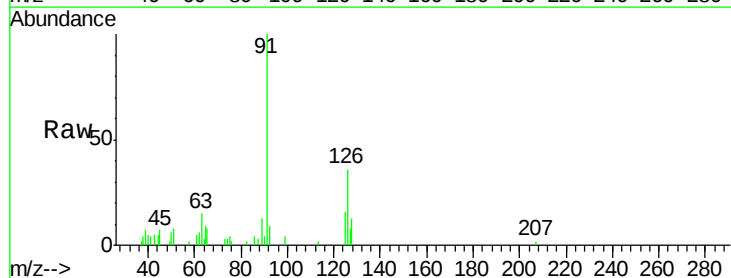
Manual Integrations
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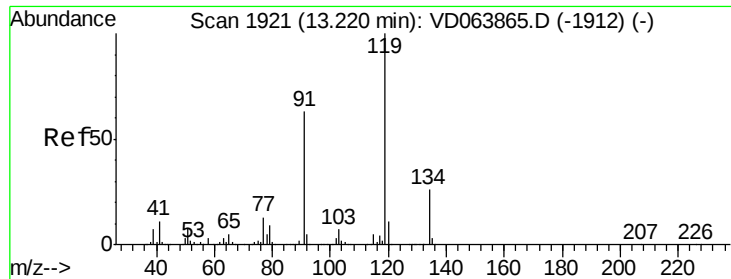
MMDadoda
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#82
4-Chlorotoluene
Concen: 2.715 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.6	55.8





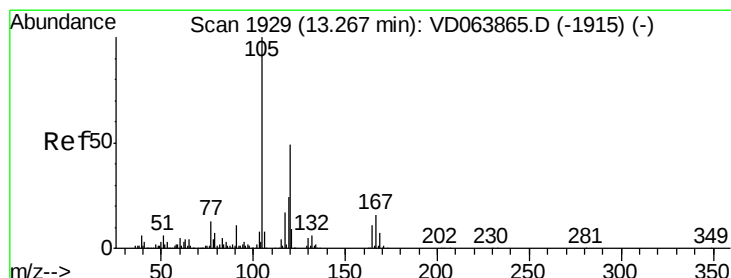
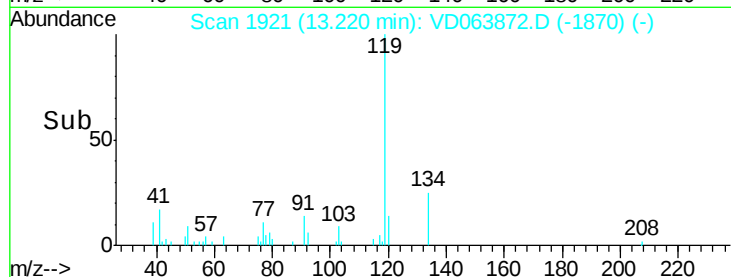
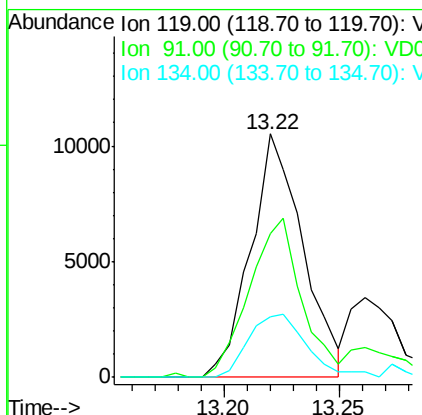
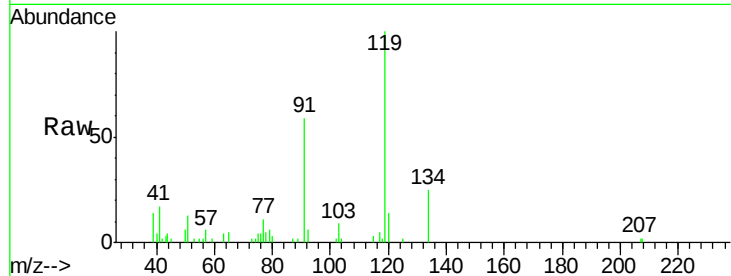
#83
tert-Butylbenzene
Concen: 2.491 ug/l
RT: 13.22 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	30.0	90.0
134	28.8	13.0	38.9

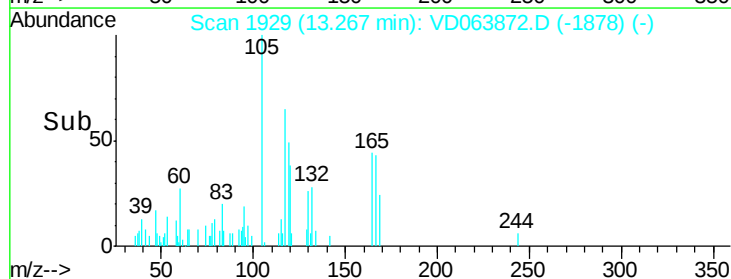
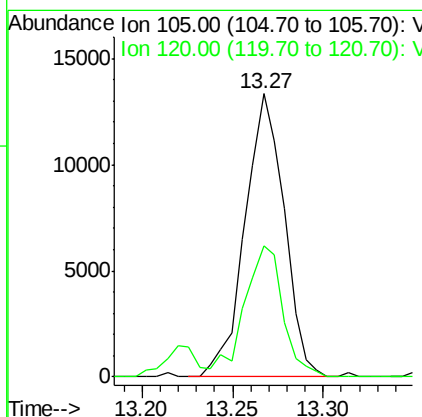
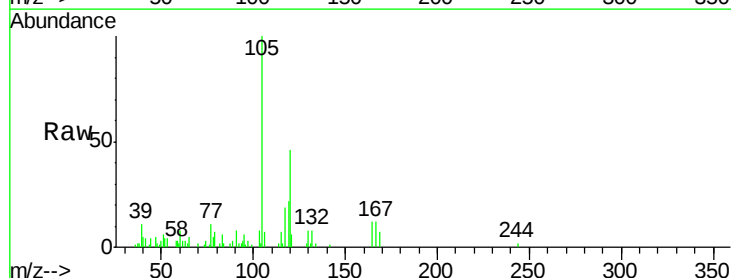
Manual Integrations
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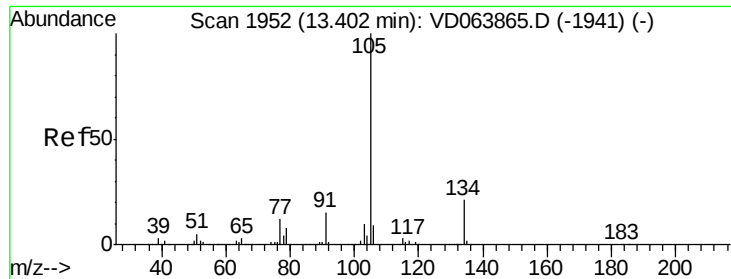
MMDadoda
10/4/2019 4:33:01 PM



#84
1,2,4-Trimethylbenzene
Concen: 2.602 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.8	71.5





#85

sec-Butylbenzene

Concen: 2.516 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

Instrument :

MSVOA_D

ClientSampleId :

MDL04

Tot Ion:105 Resp: 22634

Ion Ratio Lower Upper

105 100

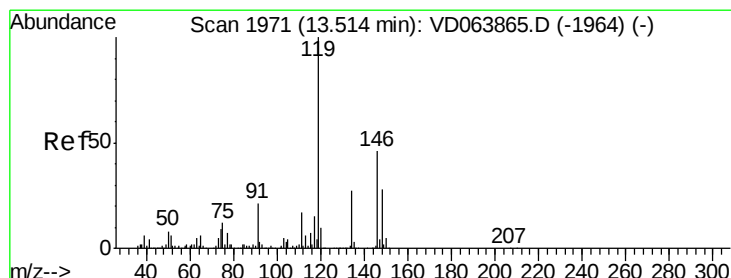
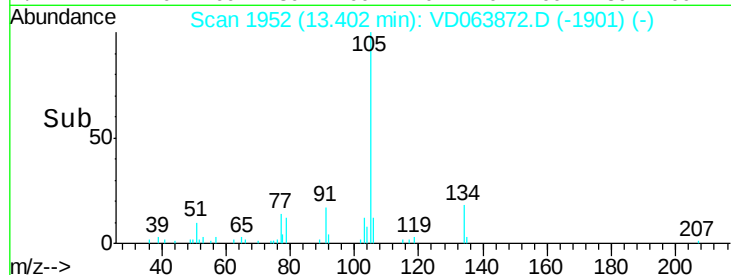
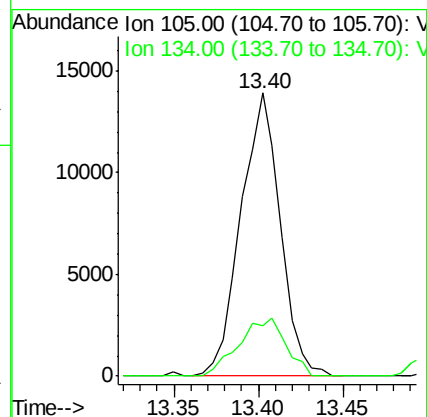
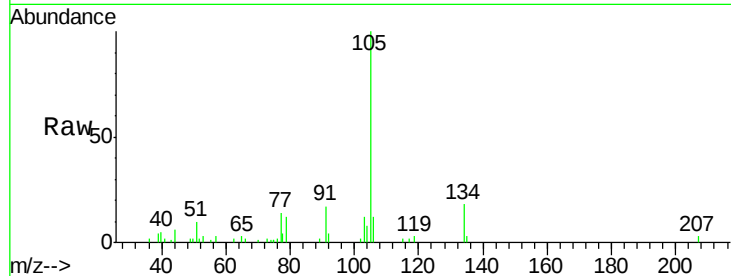
134 24.2 10.6 31.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 2.331 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063872.D

Acq: 02 Oct 2019 21:25

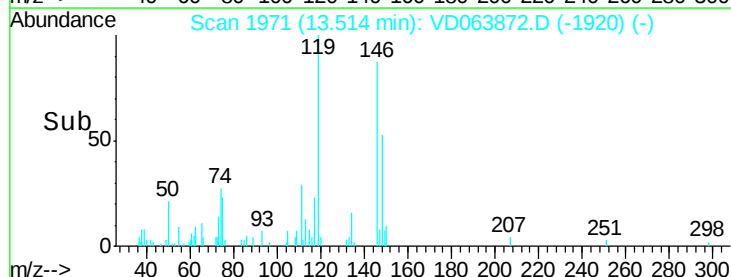
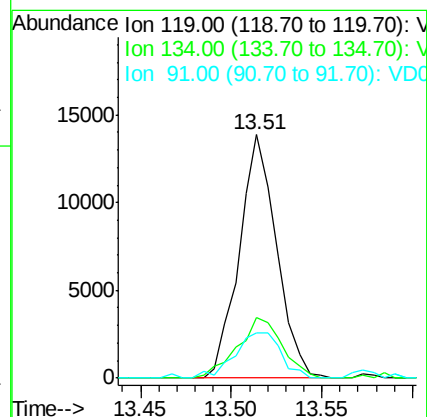
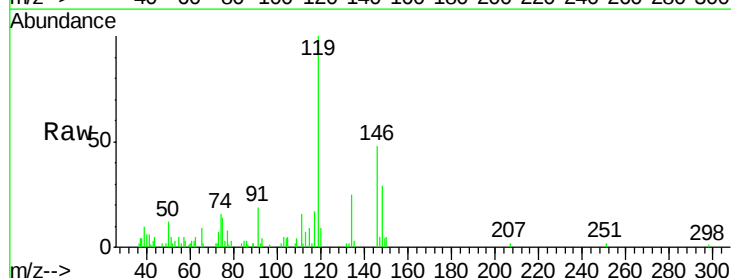
Tgt Ion:119 Resp: 19839

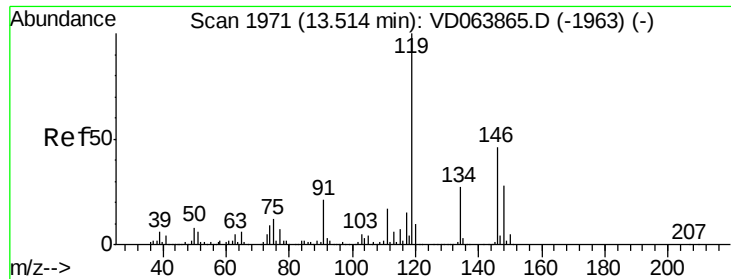
Ion Ratio Lower Upper

119 100

134 29.5 13.9 41.6

91 23.3 11.2 33.5





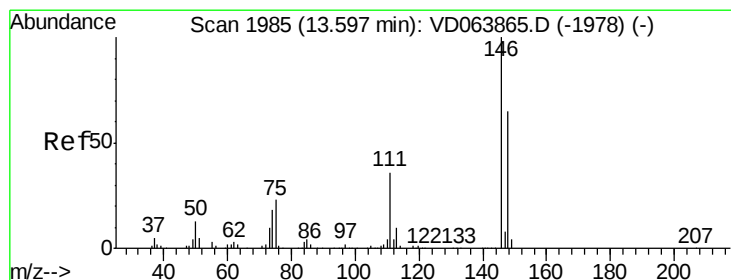
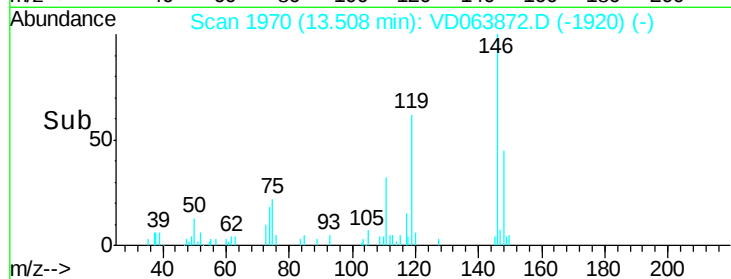
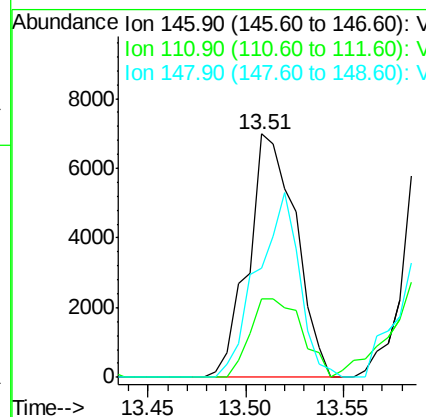
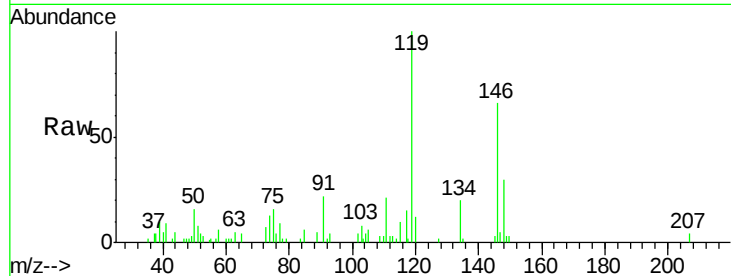
#87
 1,3-Dichlorobenzene
 Concen: 2.659 ug/l
 RT: 13.51 min Scan# 1970
 Delta R.T. -0.01 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	18.3	54.9
148	67.2	31.8	95.4

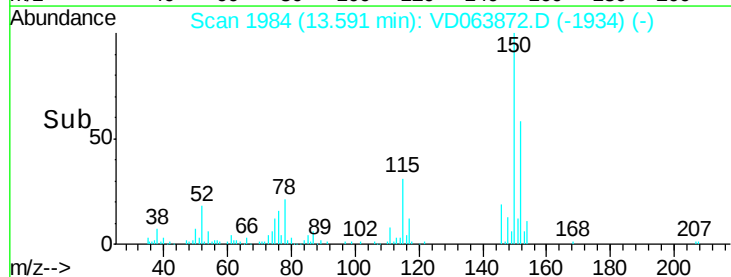
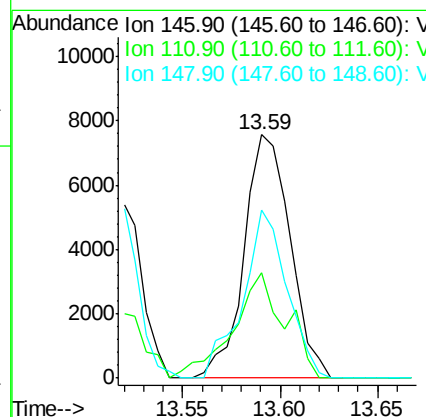
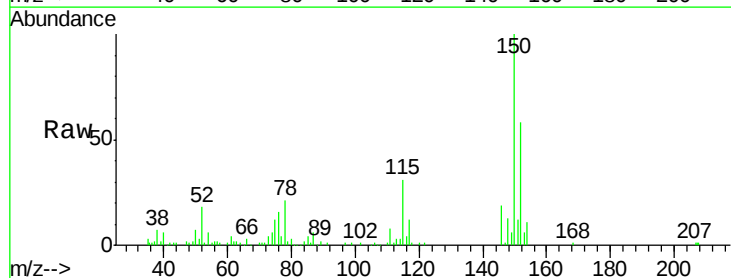
Manual Integrations
 APPROVED

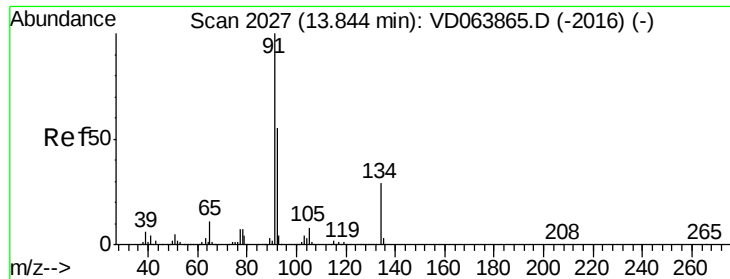
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#88
 1,4-Dichlorobenzene
 Concen: 2.839 ug/l
 RT: 13.59 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.2	18.6	56.0
148	66.5	32.6	98.0





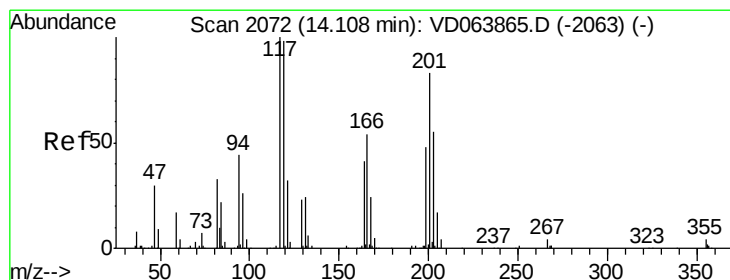
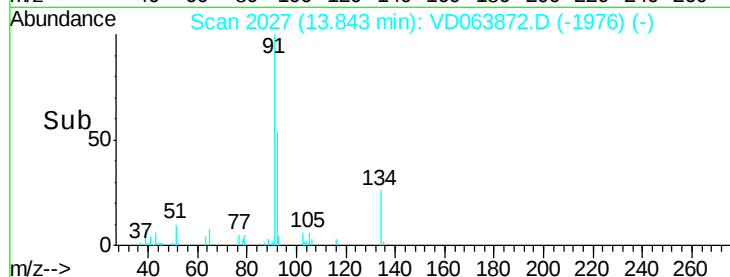
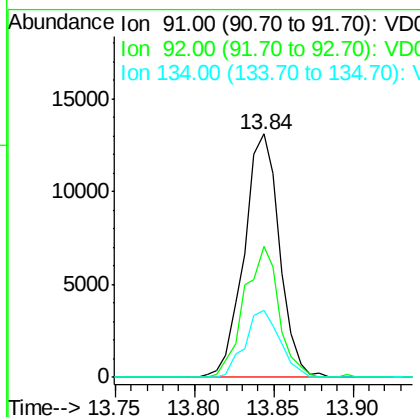
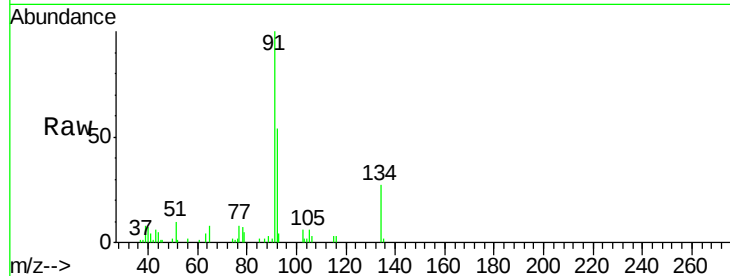
#89
n-Butylbenzene
Concen: 2.564 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.3
134	27.1	14.4	43.0

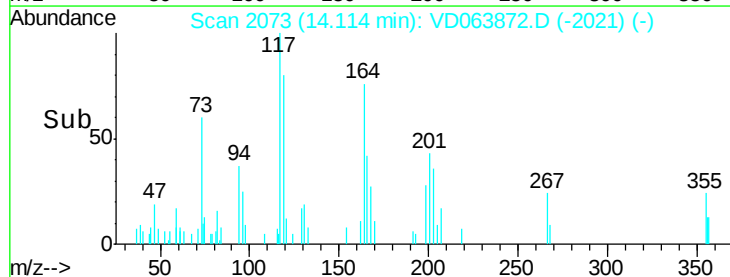
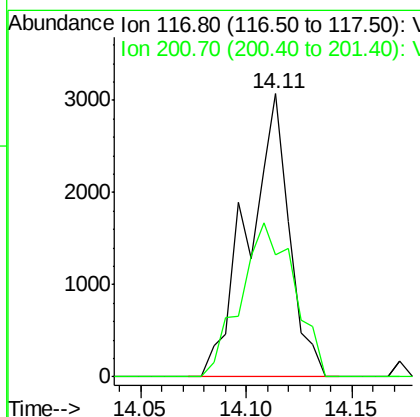
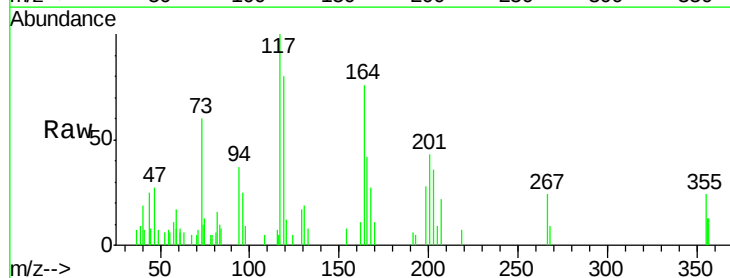
Manual Integrations
APPROVED

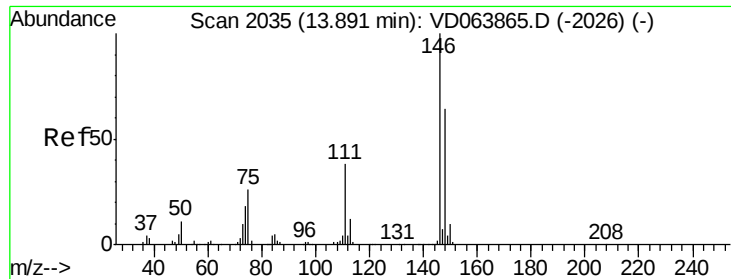
MMDadoda
10/4/2019 4:33:01 PM



#90
Hexachloroethane
Concen: 2.725 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.4	40.6	121.7





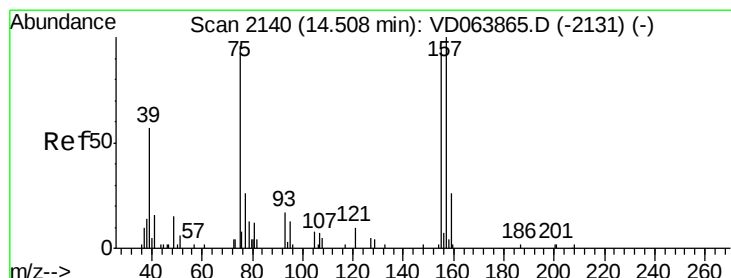
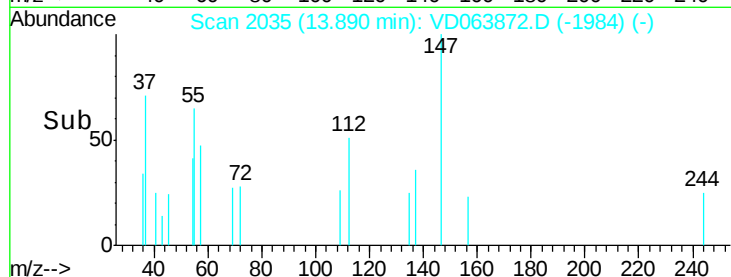
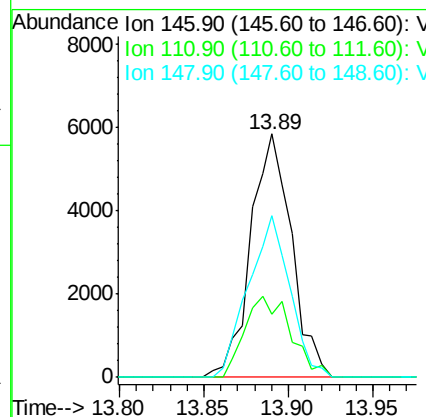
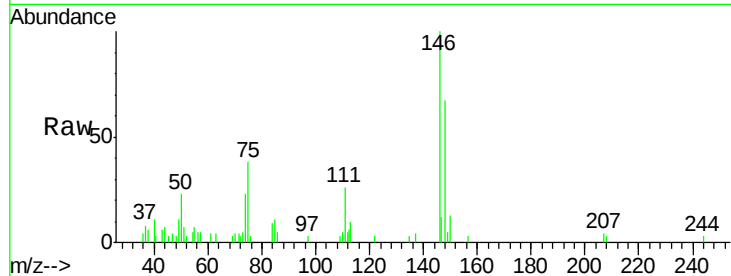
#91
 1,2-Dichlorobenzene
 Concen: 2.579 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Instrument :
 MSVOA_D
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	55.6
148	67.4	31.6	95.0

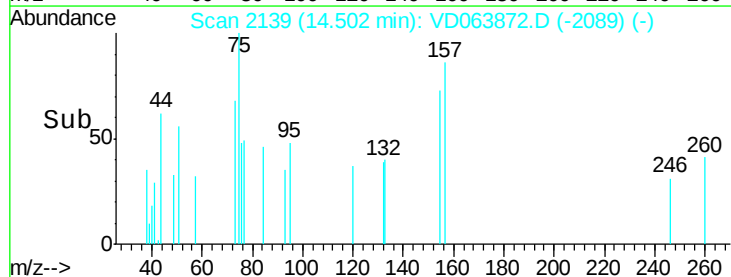
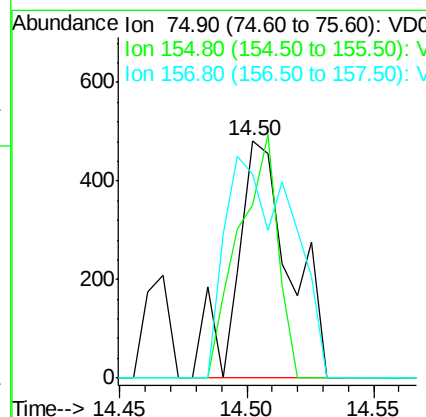
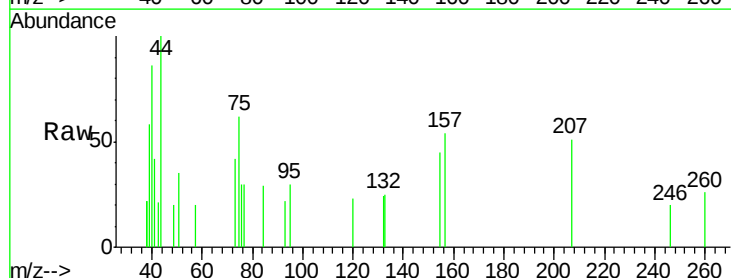
Manual Integrations
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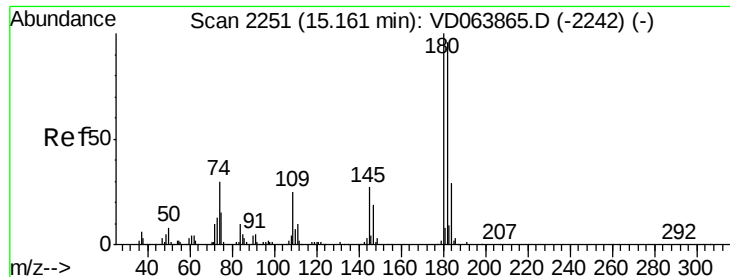
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.625 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	43.9	131.6
157	117.5	56.0	167.9





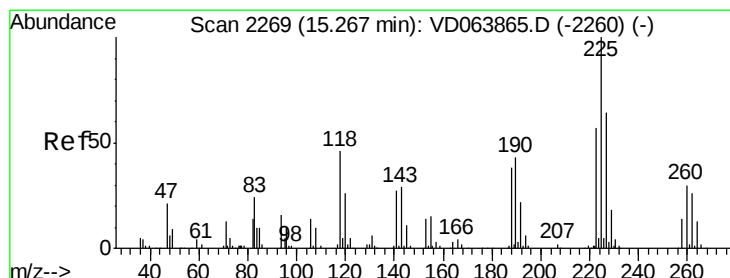
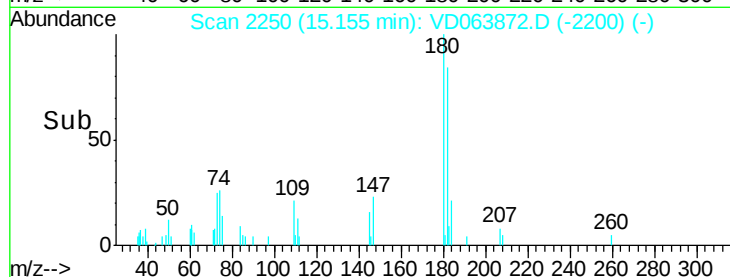
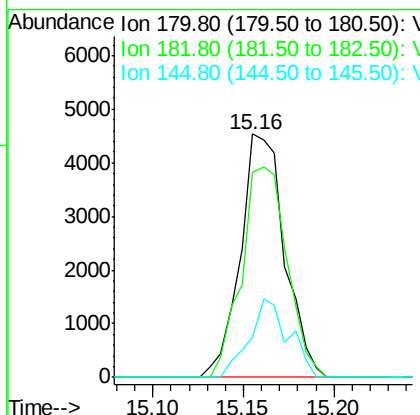
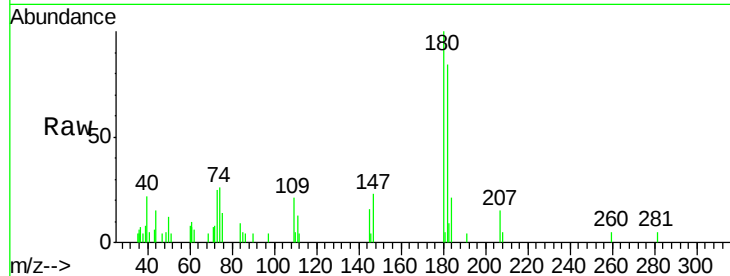
#93
 1,2,4-Trichlorobenzene
 Concen: 2.617 ug/l
 RT: 15.16 min Scan# 2250
 Delta R.T. -0.01 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.0	47.4	142.3
145	28.4	13.9	41.7

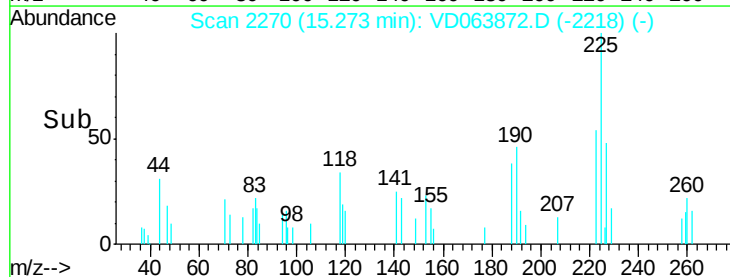
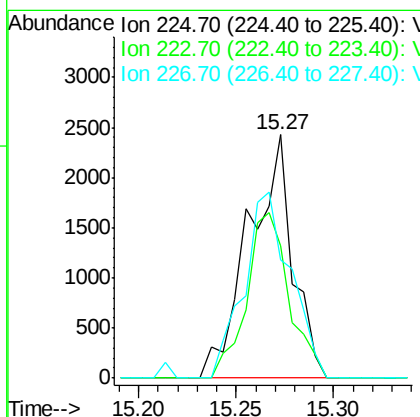
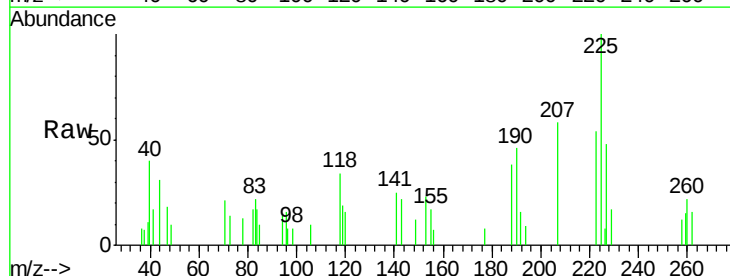
Manual Integrations
 APPROVED

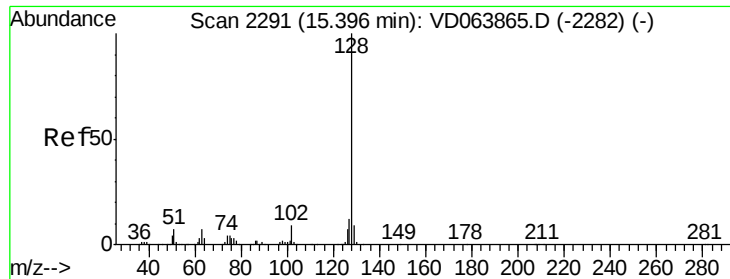
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#94
 Hexachlorobutadiene
 Concen: 2.326 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063872.D
 Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	29.5	88.6
227	81.8	30.8	92.4





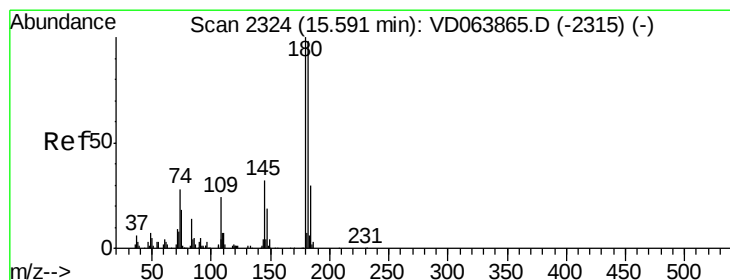
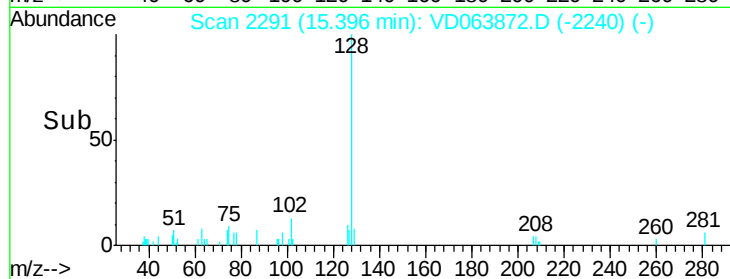
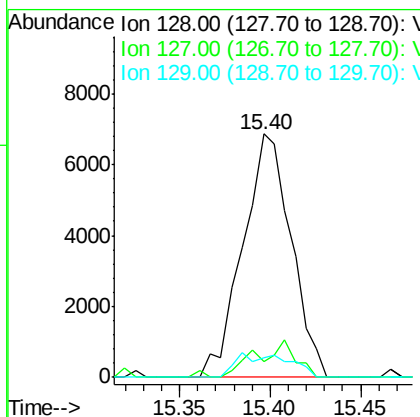
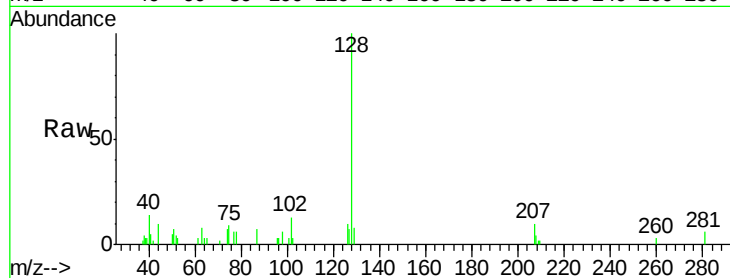
#95
Naphthalene
Concen: 2.572 ug/l
RT: 15.40 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Instrument :
MSVOA_D
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.6	16.0
129	0.0	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 2.629 ug/l
RT: 15.59 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VD063872.D
Acq: 02 Oct 2019 21:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	79.7	47.0	141.0
145	28.5	15.3	45.9

