

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063863.D
 Acq On : 02 Oct 2019 16:49
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:54:54 PM

Quant Time: Oct 03 03:39:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 03:24:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	194648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	302196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	299930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	155615	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	20027	10.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.70%	
35) Dibromofluoromethane	7.93	113	18636	9.81	ug/l	0.01
Spiked Amount	50.000		Recovery	=	19.62%	
50) Toluene-d8	10.34	98	75597	10.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.00%	
62) 4-Bromofluorobenzene	12.63	95	25741	9.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	13918	10.244	ug/l	93
3) Chloromethane	2.21	50	48826	11.887	ug/l	100
4) Vinyl Chloride	2.34	62	47454	11.292	ug/l	97
5) Bromomethane	2.77	94	30723	12.365	ug/l	89
6) Chloroethane	2.92	64	31247	10.827	ug/l	92
7) Trichlorofluoromethane	3.27	101	65504	11.663	ug/l	97
8) Diethyl Ether	3.71	74	10093	10.860	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	17523m	10.674	ug/l	
10) Methyl Iodide	4.29	142	21070	10.542	ug/l	96
11) Tert butyl alcohol	5.26	59	8636	59.585	ug/l #	83
12) 1,1-Dichloroethene	4.05	96	17396	10.460	ug/l	84
13) Acrolein	3.91	56	8289	47.595	ug/l #	79
14) Allyl chloride	4.71	41	29237	11.004	ug/l	99
15) Acrylonitrile	5.43	53	22282	54.987	ug/l	94
16) Acetone	4.17	43	24700	56.413	ug/l #	88
17) Carbon Disulfide	4.40	76	61335	10.818	ug/l #	94
18) Methyl Acetate	4.73	43	10580	10.392	ug/l #	49
19) Methyl tert-butyl Ether	5.49	73	43088	10.291	ug/l	95
20) Methylene Chloride	4.97	84	28255	11.315	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	21376	10.946	ug/l	93
22) Diisopropyl ether	6.37	45	61621	11.306	ug/l #	94
23) Vinyl Acetate	6.31	43	180440	55.655	ug/l	97
24) 1,1-Dichloroethane	6.26	63	35228	10.586	ug/l	98
25) 2-Butanone	7.23	43	30742	55.300	ug/l #	88
26) 2,2-Dichloropropane	7.22	77	33540	10.897	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	25445	11.672	ug/l	95
28) Bromochloromethane	7.54	49	11173	8.731	ug/l	99
29) Tetrahydrofuran	7.57	42	20634	63.523	ug/l #	89
30) Chloroform	7.71	83	39412	10.961	ug/l	90
31) Cyclohexane	7.98	56	35089	10.743	ug/l #	80
32) 1,1,1-Trichloroethane	7.90	97	32175	9.923	ug/l	96
36) 1,1-Dichloropropene	8.11	75	28765	10.525	ug/l	97
37) Ethyl Acetate	7.29	43	14270	12.232	ug/l	99
38) Carbon Tetrachloride	8.10	117	29533	10.454	ug/l #	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	35925	10.586	ug/l	93
40) Benzene	8.35	78	85500	11.283	ug/l	99
41) Methacrylonitrile	7.53	41	7033	10.661	ug/l	89
42) 1,2-Dichloroethane	8.43	62	25663	11.561	ug/l	92
43) Isopropyl Acetate	8.46	43	26274	11.415	ug/l	97
44) Trichloroethene	9.11	130	24207	11.010	ug/l	88
45) 1,2-Dichloropropane	9.39	63	22002	11.736	ug/l	94
46) Dibromomethane	9.48	93	11785	11.118	ug/l	98
47) Bromodichloromethane	9.67	83	29404	10.800	ug/l	92
48) Methyl methacrylate	9.46	41	13280	12.658	ug/l	92
49) 1,4-Dioxane	9.47	88	3439	229.053	ug/l #	78
51) 4-Methyl-2-Pentanone	10.23	43	68071	58.311	ug/l	97
52) Toluene	10.40	92	58413	11.343	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	29810	11.038	ug/l #	84
54) cis-1,3-Dichloropropene	10.09	75	33387	10.917	ug/l #	93
55) 1,1,2-Trichloroethane	10.80	97	17109	11.465	ug/l #	91
56) Ethyl methacrylate	10.66	69	21429	11.262	ug/l	99
57) 1,3-Dichloropropane	10.94	76	28740	11.259	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	44311	52.125	ug/l	99
59) 2-Hexanone	10.98	43	47386	55.973	ug/l	97
60) Dibromochloromethane	11.14	129	20699	10.499	ug/l	93
61) 1,2-Dibromoethane	11.24	107	15620	10.432	ug/l	92
64) Tetrachloroethene	10.87	164	21705	10.845	ug/l #	79
65) Chlorobenzene	11.67	112	60807	10.133	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	23073	10.479	ug/l	94
67) Ethyl Benzene	11.74	91	110969	10.289	ug/l	98
68) m/p-Xylenes	11.86	106	84088	20.202	ug/l	96
69) o-Xylene	12.18	106	41818	10.674	ug/l	96
70) Styrene	12.20	104	68414	10.281	ug/l	98
71) Bromoform	12.36	173	11805	9.695	ug/l #	86
73) Isopropylbenzene	12.48	105	108530	10.311	ug/l	99
74) N-amyl acetate	12.29	43	26463	11.449	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	21549	12.233	ug/l	93
76) 1,2,3-Trichloropropane	12.78	75	10184m	8.678	ug/l	
77) Bromobenzene	12.76	156	26577	10.450	ug/l	95
78) n-propylbenzene	12.82	91	128911	10.401	ug/l	100
79) 2-Chlorotoluene	12.91	91	71008	10.634	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	91409	10.424	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	5512	9.358	ug/l #	85
82) 4-Chlorotoluene	13.00	91	76368	10.682	ug/l	100
83) tert-Butylbenzene	13.22	119	78725	10.234	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	92618	10.400	ug/l	99
85) sec-Butylbenzene	13.40	105	110387	10.353	ug/l	97
86) p-Isopropyltoluene	13.51	119	101919	10.204	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	52057	10.445	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	52500	10.554	ug/l	96
89) n-Butylbenzene	13.84	91	96830	10.220	ug/l	98
90) Hexachloroethane	14.11	117	17057	9.236	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	46152	10.750	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3614	11.890	ug/l	93

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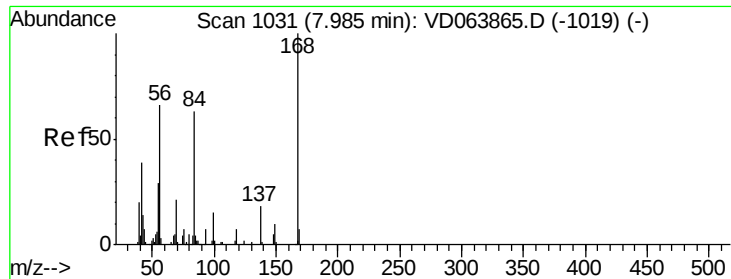
Manual Integrations
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10/3/2019 12:54:54 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	34499	10.611	ug/l	98
94) Hexachlorobutadiene	15.26	225	18781	10.207	ug/l	97
95) Naphthalene	15.40	128	58006	9.903	ug/l	97
96) 1,2,3-Trichlorobenzene	15.59	180	29816	10.337	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 194648

Ion Ratio Lower Upper

168 100

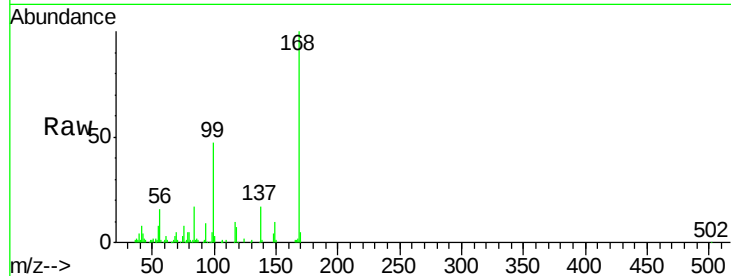
99 46.6 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

80000

60000

40000

20000

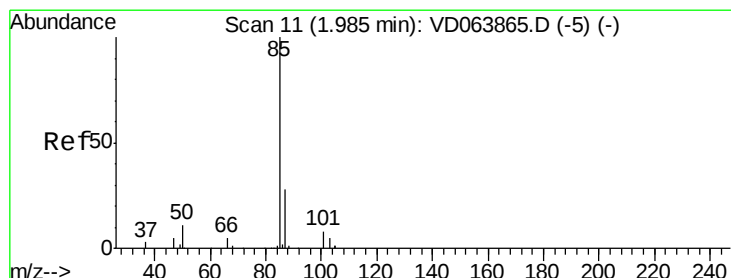
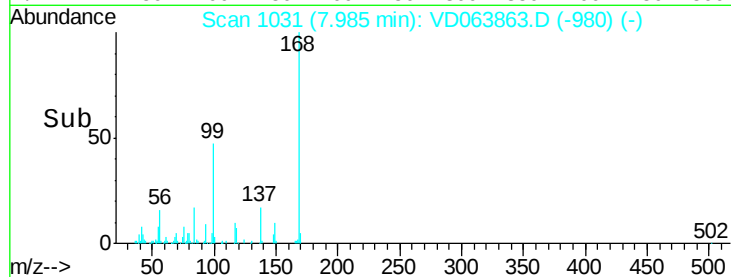
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 10.244 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063863.D

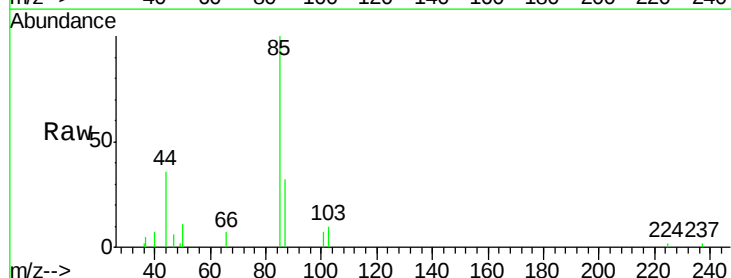
Acq: 02 Oct 2019 16:49

Tgt Ion: 85 Resp: 13918

Ion Ratio Lower Upper

85 100

87 31.9 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

12000

10000

8000

6000

4000

2000

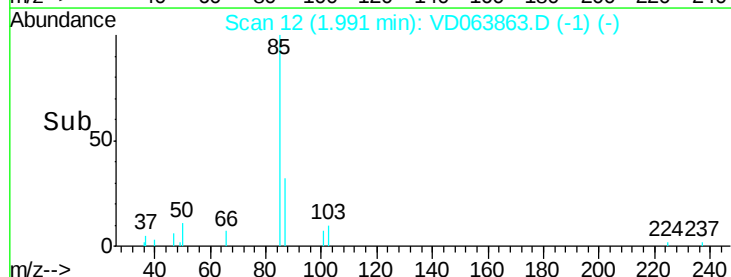
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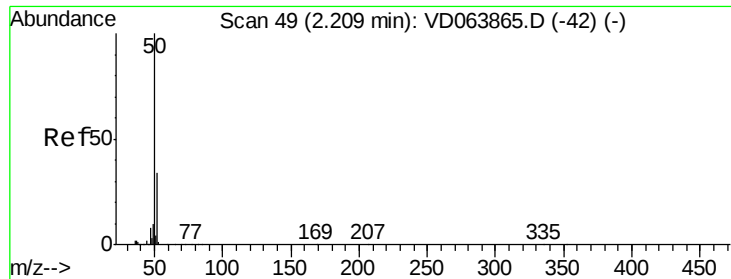
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 11.887 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 48826

Ion Ratio Lower Upper

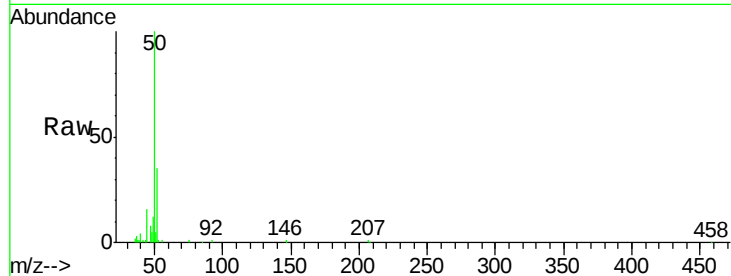
50 100

52 34.6 27.5 41.3

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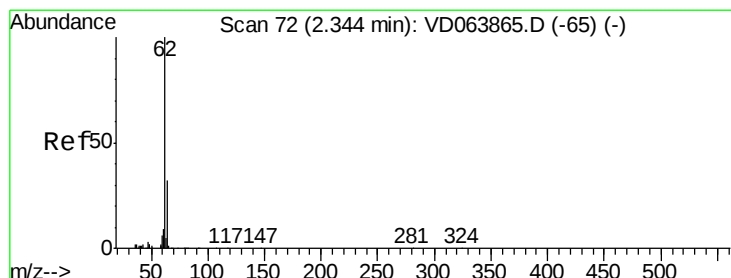
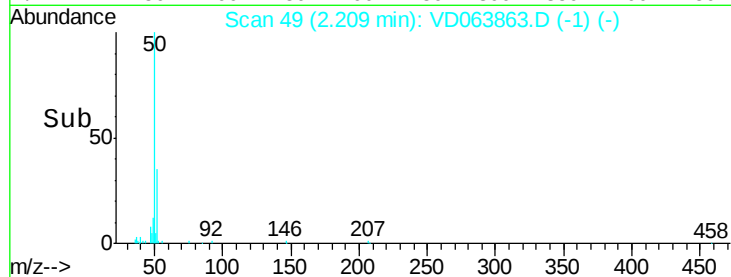
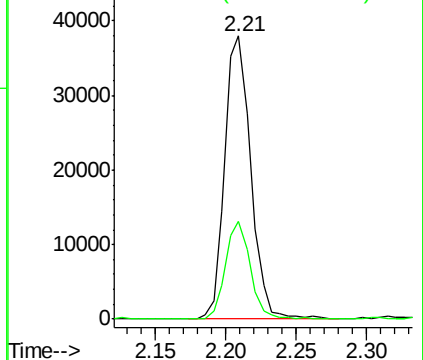
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 11.292 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.00 min

Lab File: VD063863.D

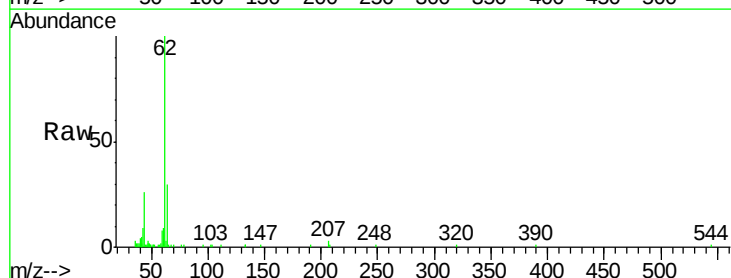
Acq: 02 Oct 2019 16:49

Tgt Ion: 62 Resp: 47454

Ion Ratio Lower Upper

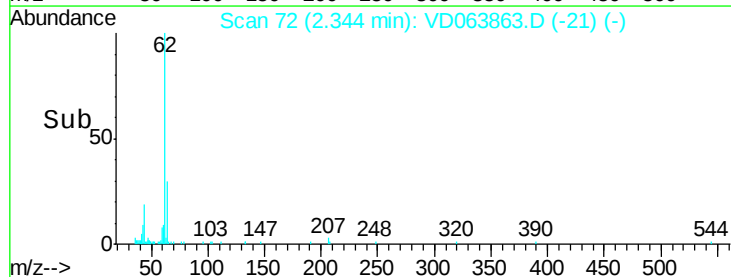
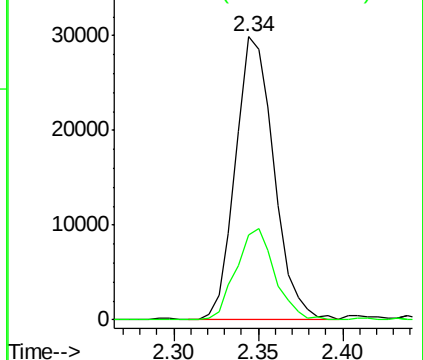
62 100

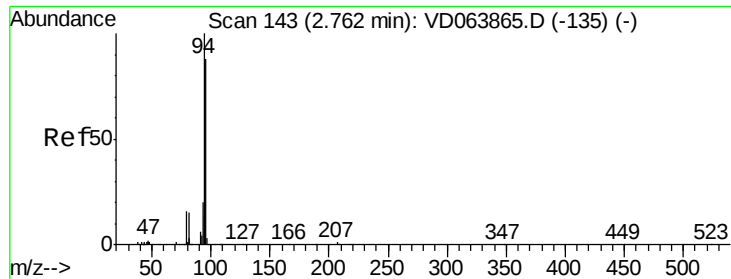
64 29.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 12.365 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Tot Ion: 94 Resp: 30723

Ion Ratio Lower Upper

94 100

96 98.8 70.8 106.2

Instrument :

MSVOA_D

ClientSampleId :

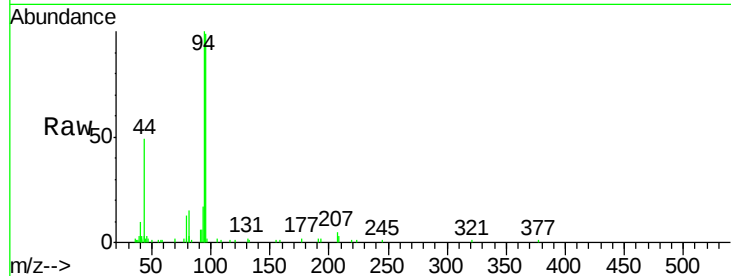
VSTDIC010

Manual Integrations

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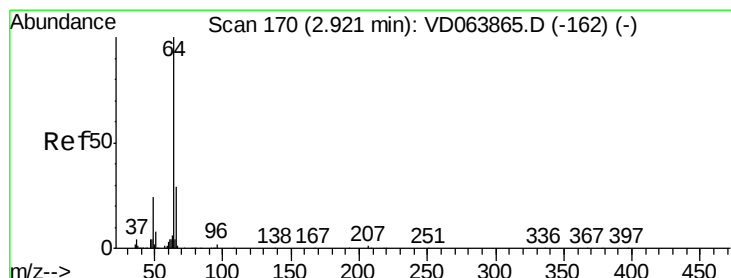
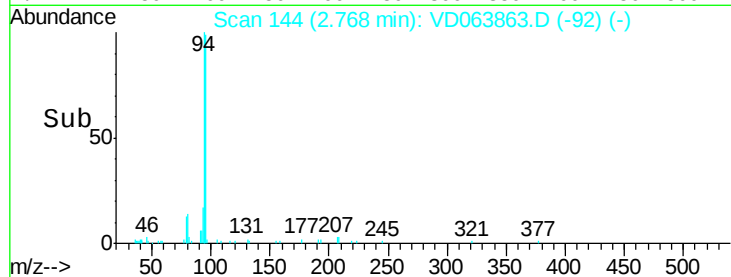
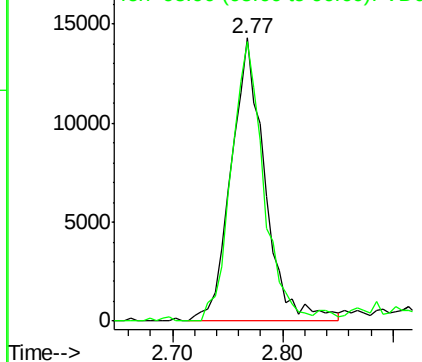
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 10.827 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD063863.D

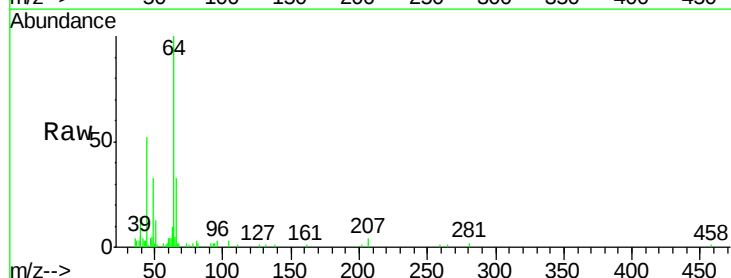
Acq: 02 Oct 2019 16:49

Tgt Ion: 64 Resp: 31247

Ion Ratio Lower Upper

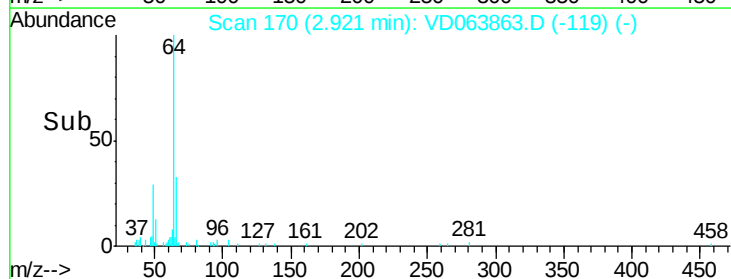
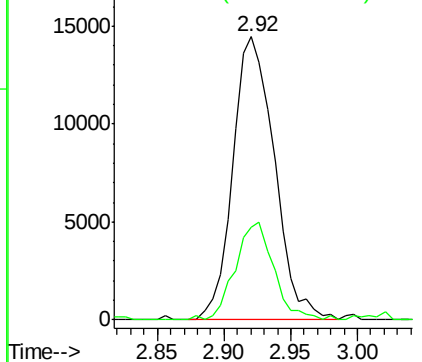
64 100

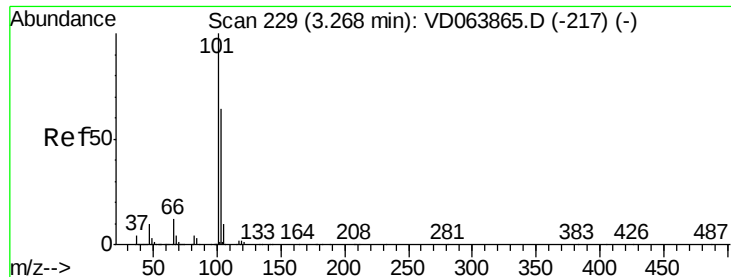
66 32.8 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

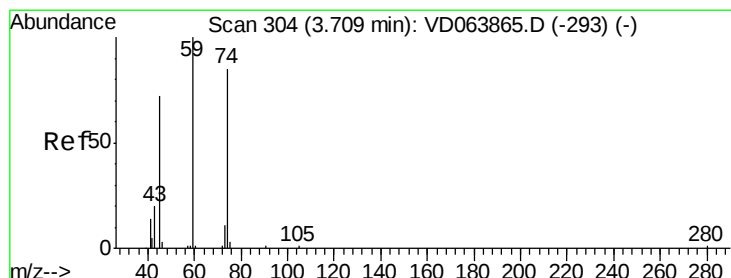
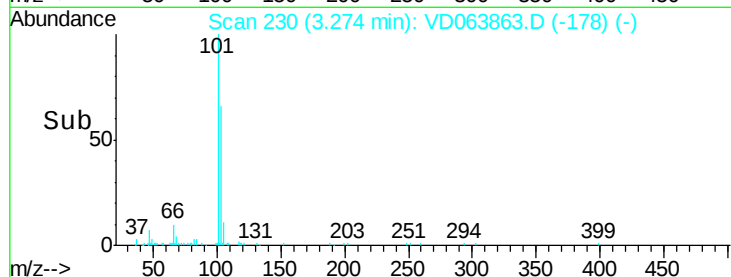
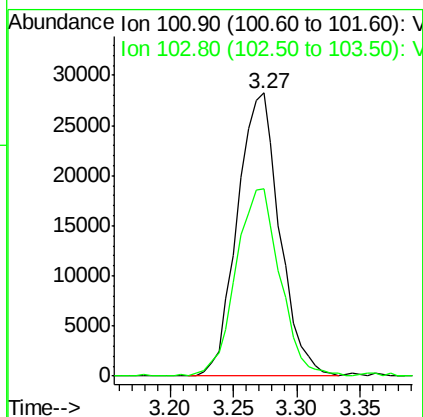
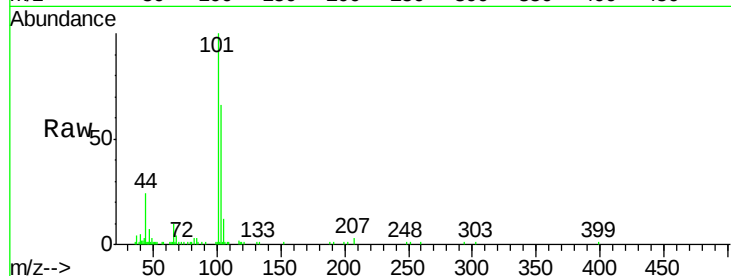
Trichlorofluoromethane
Concen: 11.663 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
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ClientSampleId :
VSTDIC010

Tot Ion:101 Resp: 65504
Ion Ratio Lower Upper
101 100
103 66.1 51.1 76.7

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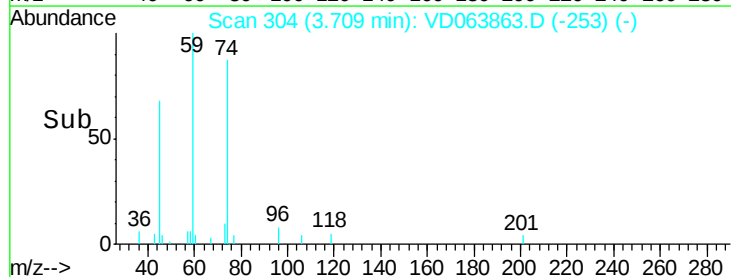
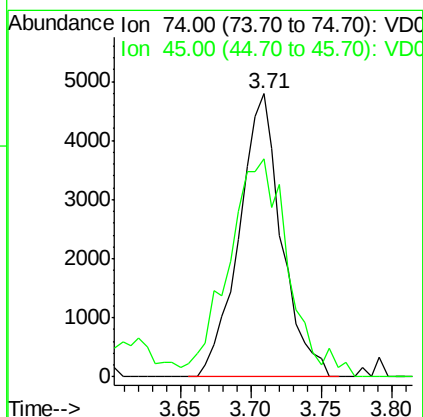
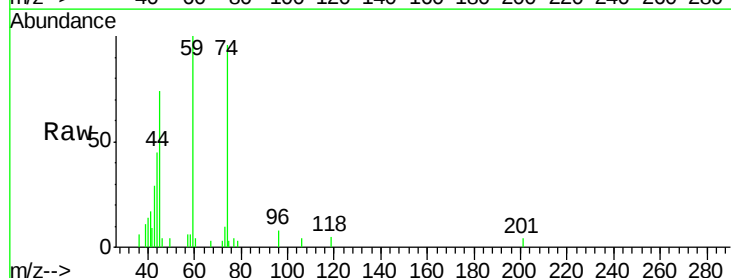
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10/3/2019 12:54:54 PM

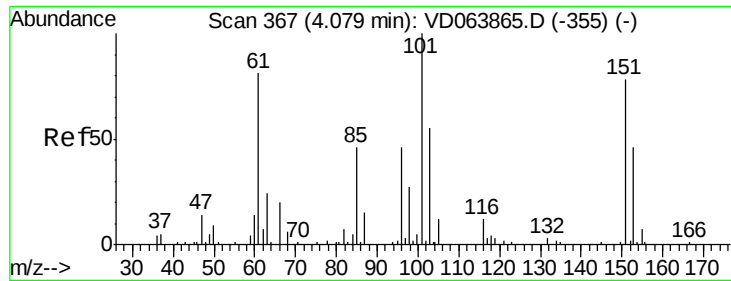


#8

Diethyl Ether
Concen: 10.860 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion: 74 Resp: 10093
Ion Ratio Lower Upper
74 100
45 95.0 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.674 ug/l m

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

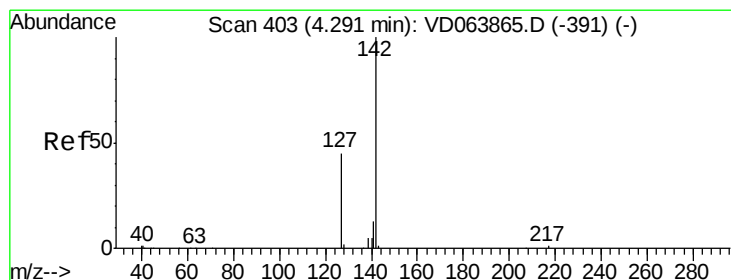
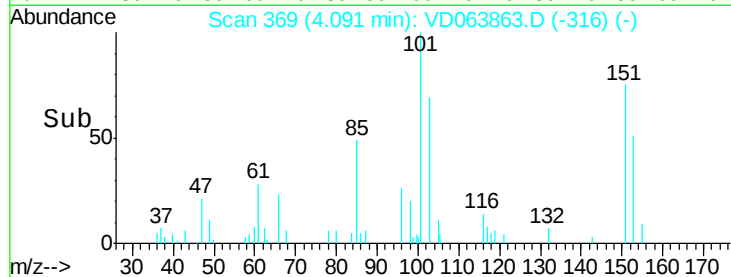
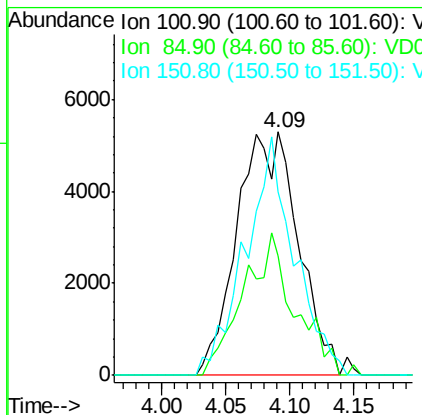
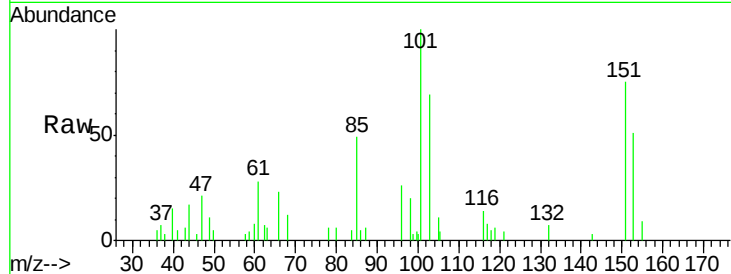
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	17523
Ion Ratio	Lower	Upper	
101	100		
85	49.3	37.5	56.3
151	79.0	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 10.542 ug/l

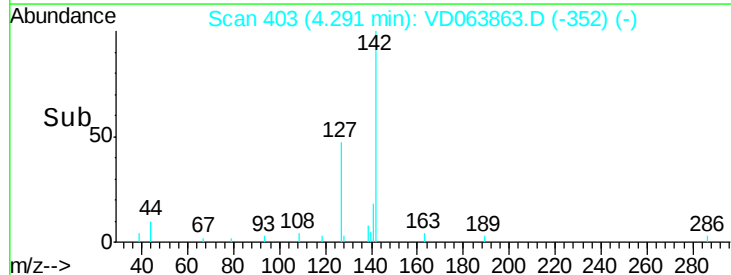
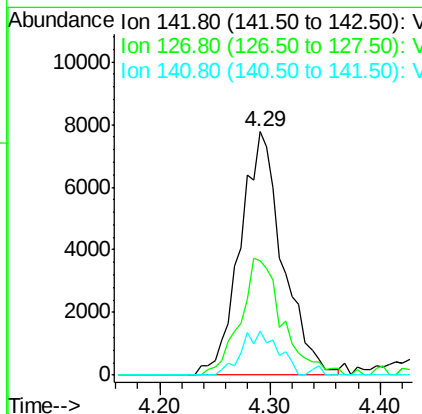
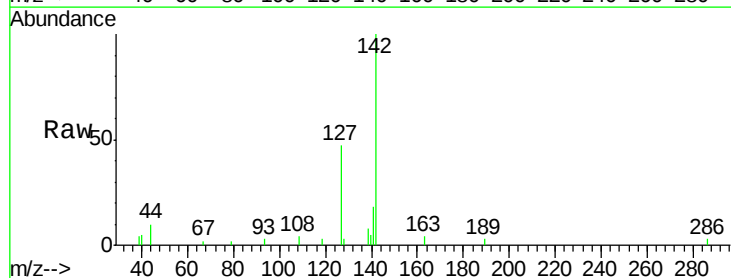
RT: 4.29 min Scan# 403

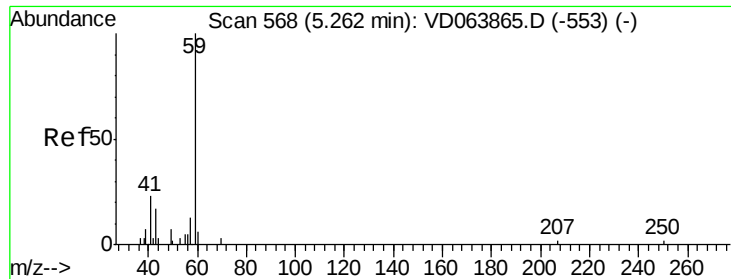
Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Tgt Ion:	142	Resp:	21070
Ion Ratio	Lower	Upper	
142	100		
127	47.3	35.3	52.9
141	15.5	12.2	18.2





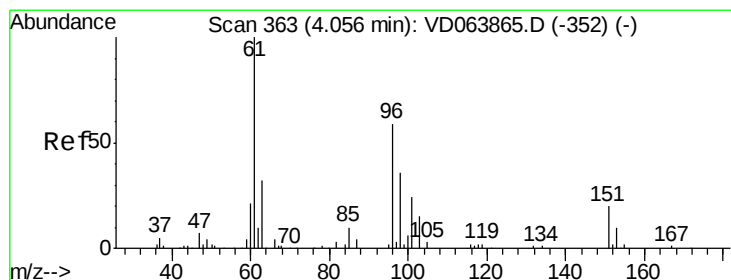
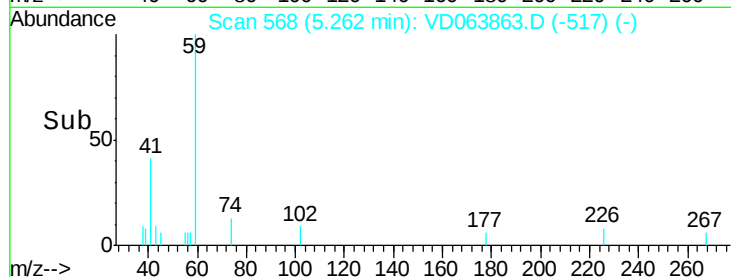
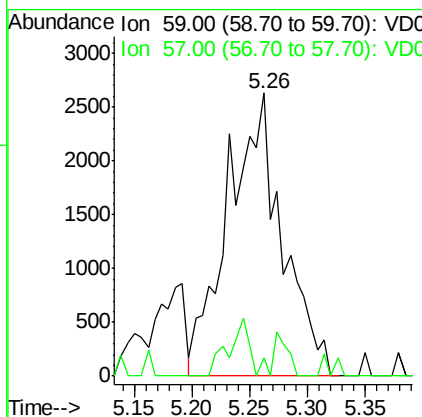
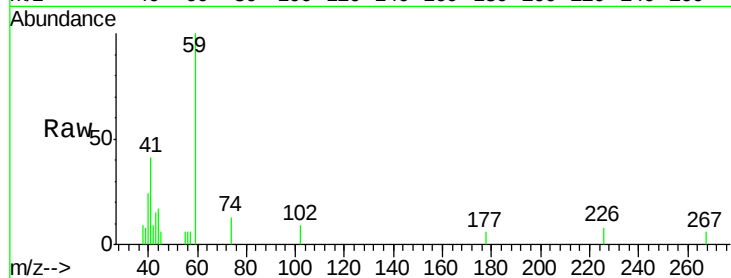
#11
Tert butyl alcohol
Concen: 59.585 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 59 Resp: 8636
Ion Ratio Lower Upper
59 100
57 4.4 8.8 13.2#

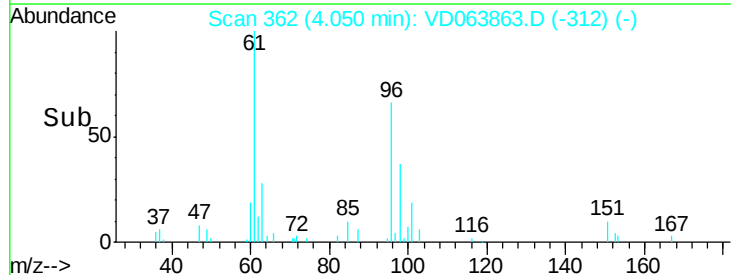
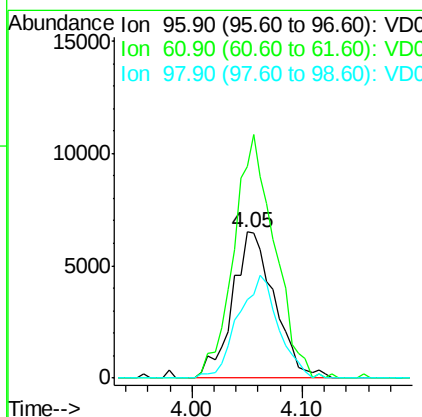
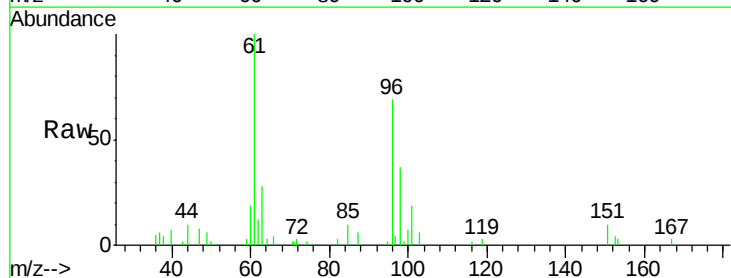
Manual Integrations
APPROVED

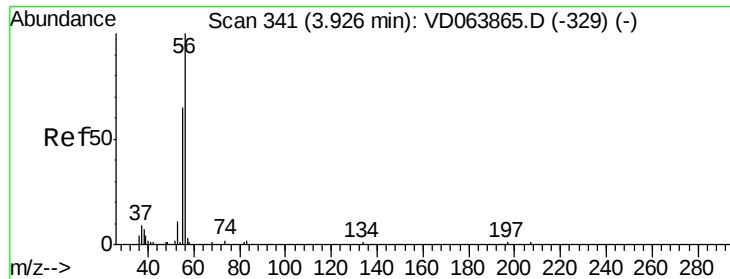
MMDadoda
10/3/2019 12:54:54 PM



#12
1,1-Dichloroethene
Concen: 10.460 ug/l
RT: 4.05 min Scan# 362
Delta R.T. -0.01 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion: 96 Resp: 17396
Ion Ratio Lower Upper
96 100
61 145.3 135.6 203.4
98 54.0 49.2 73.8





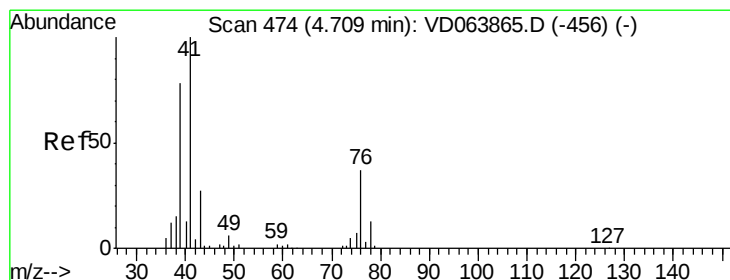
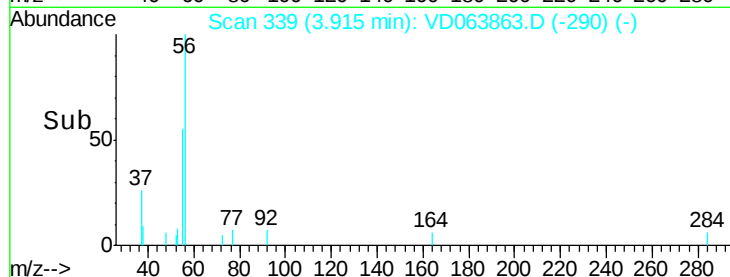
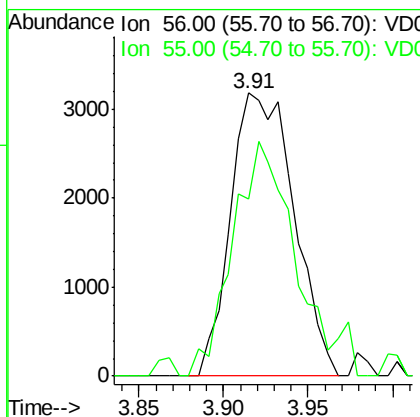
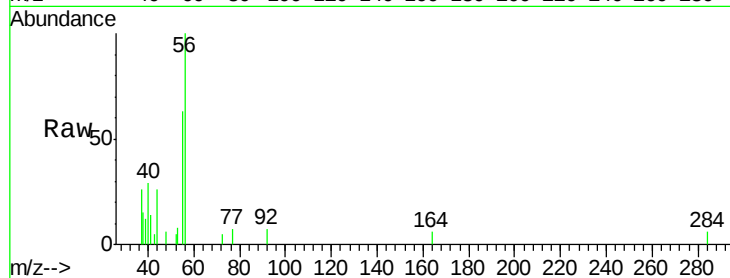
#13
Acrolein
Concen: 47.595 ug/l
RT: 3.91 min Scan# 339
Delta R.T. -0.01 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	56	Resp	8289
Ion Ratio	100	Lower	Upper
55	83.4	53.0	79.6#

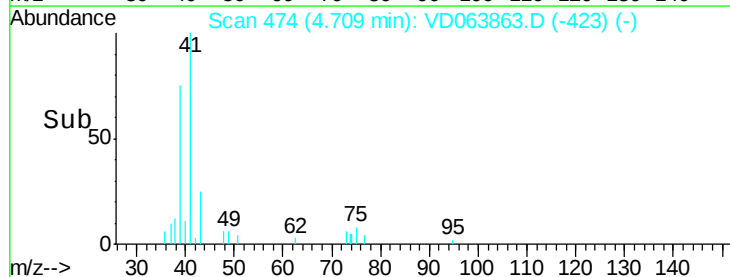
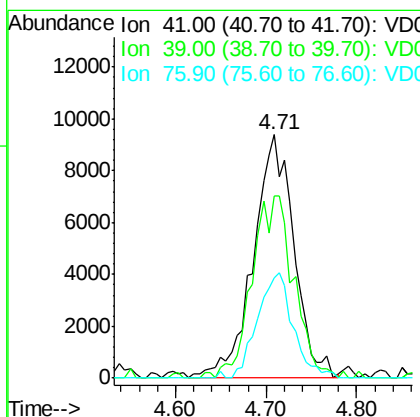
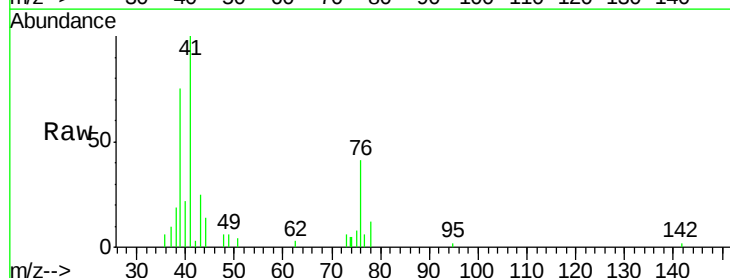
Manual Integrations
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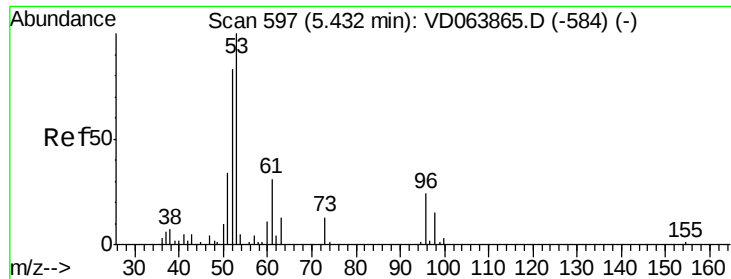
MMDadoda
10/3/2019 12:54:54 PM



#14
Allyl chloride
Concen: 11.004 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion	41	Resp	29237
Ion Ratio	100	Lower	Upper
39	76.9	61.8	92.6
76	37.8	31.3	46.9





#15

Acrylonitrile

Concen: 54.987 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

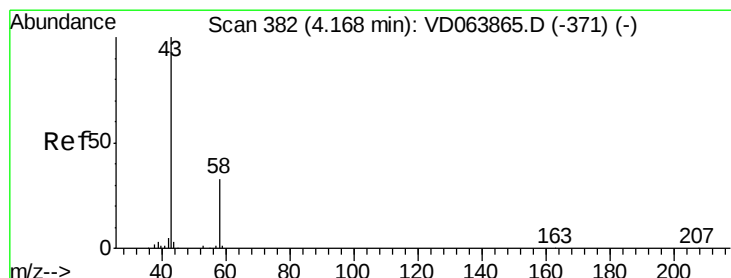
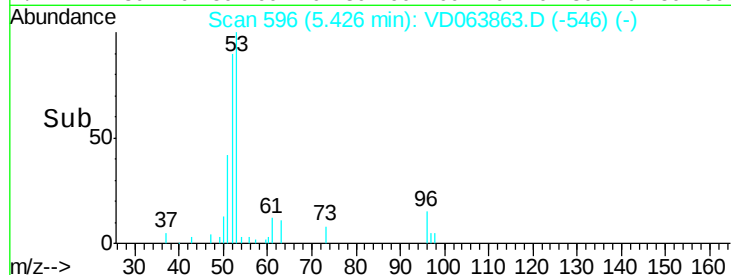
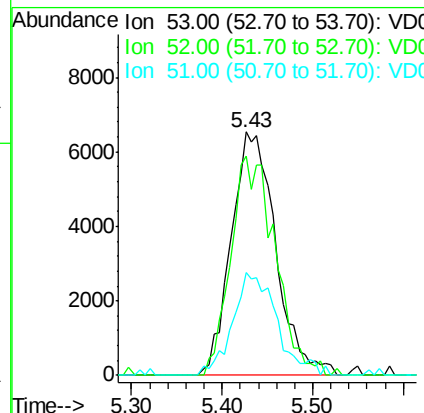
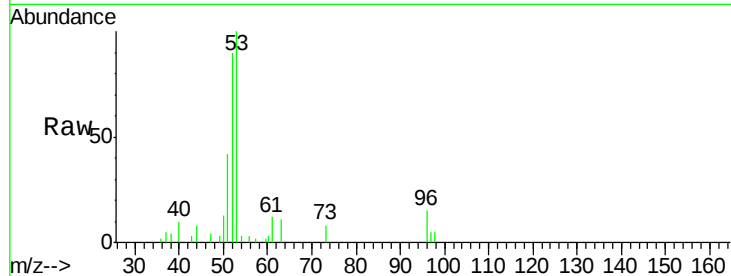
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	22282
Ion	Ratio	Lower	Upper
53	100		
52	90.0	67.3	100.9
51	42.0	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 56.413 ug/l

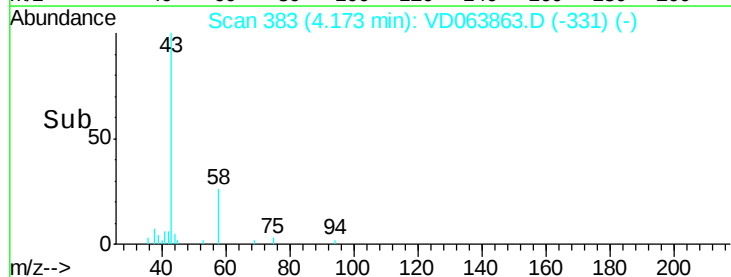
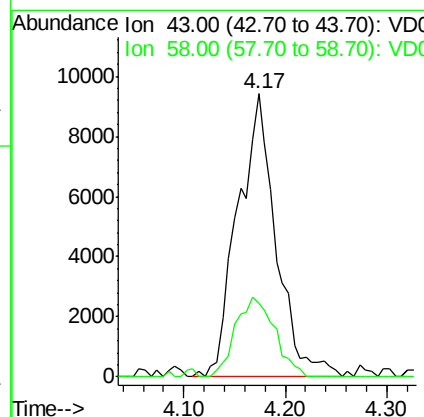
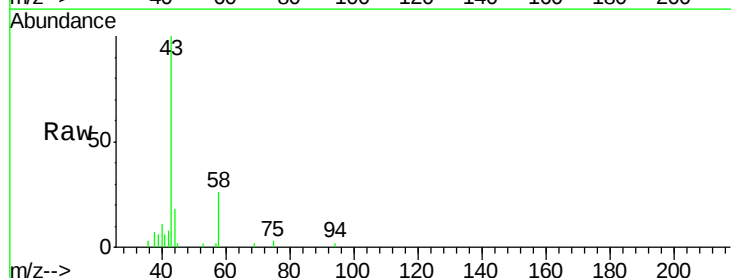
RT: 4.17 min Scan# 383

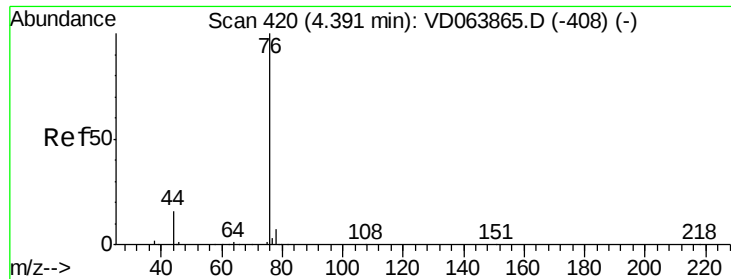
Delta R.T. 0.01 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Tgt Ion:	43	Resp:	24700
Ion	Ratio	Lower	Upper
43	100		
58	26.1	26.2	39.4#





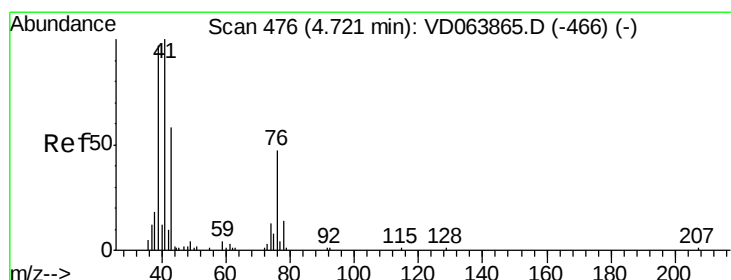
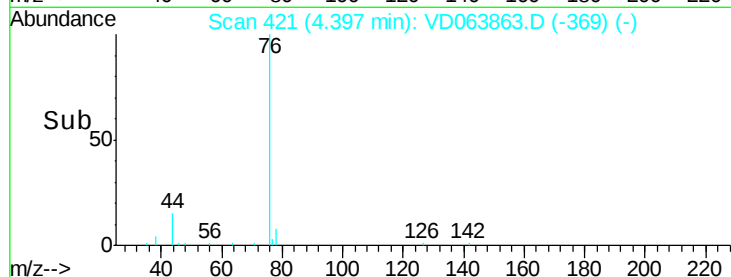
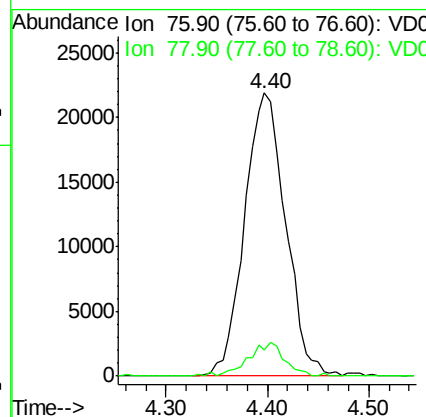
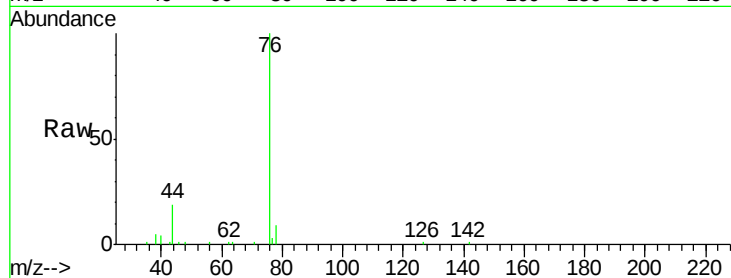
#17
Carbon Disulfide
Concen: 10.818 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 76 Resp: 61335
Ion Ratio Lower Upper
76 100
78 9.4 5.8 8.8#

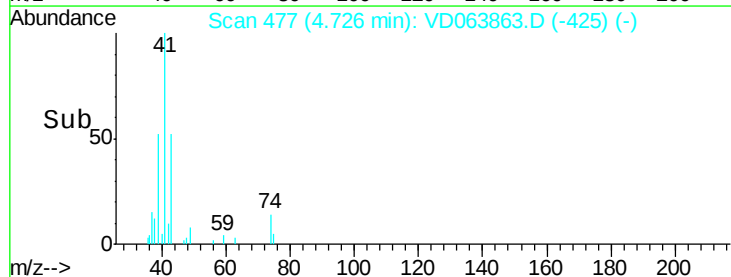
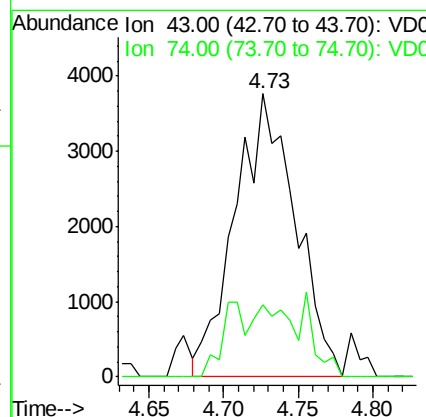
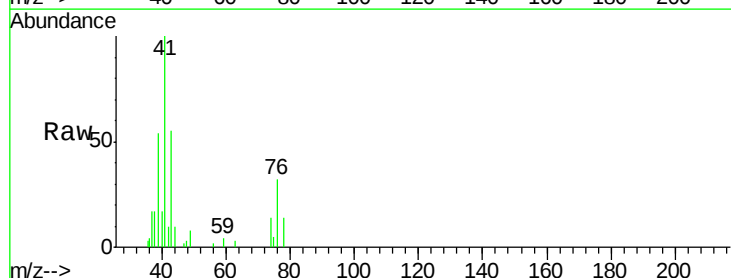
Manual Integrations
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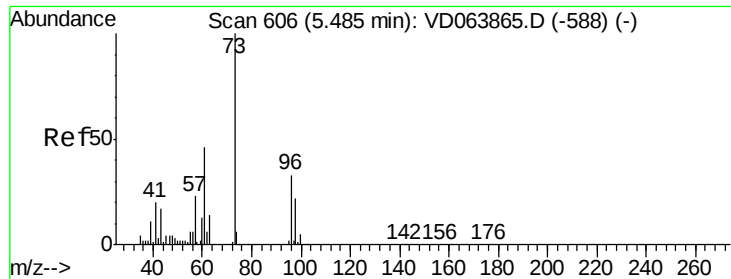
MMDadoda
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#18
Methyl Acetate
Concen: 10.392 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion: 43 Resp: 10580
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#





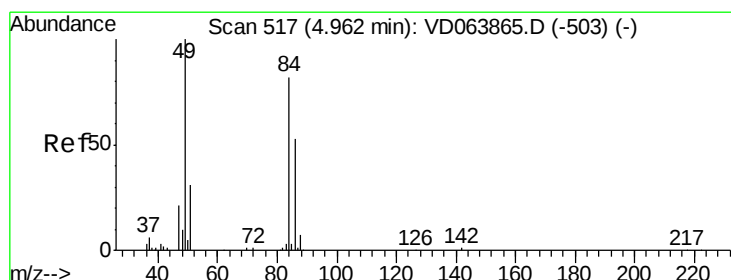
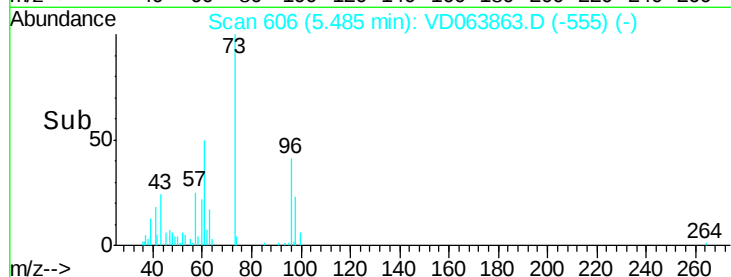
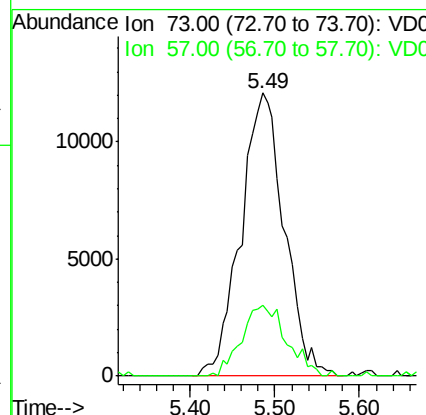
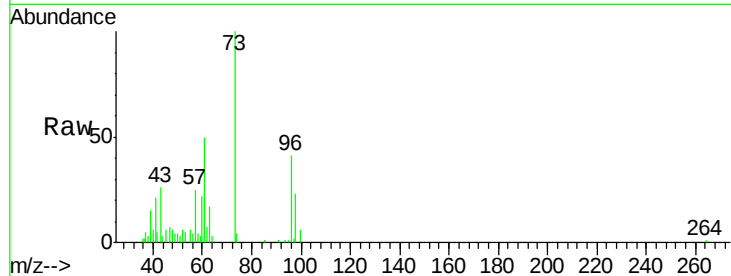
#19
Methvl tert-butvl Ether
Concen: 10.291 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 43088
Ion Ratio Lower Upper
73 100
57 25.0 18.1 27.1

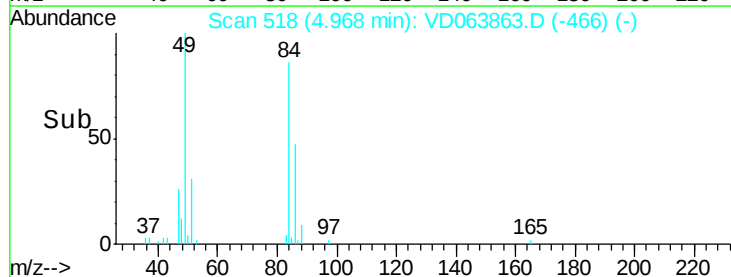
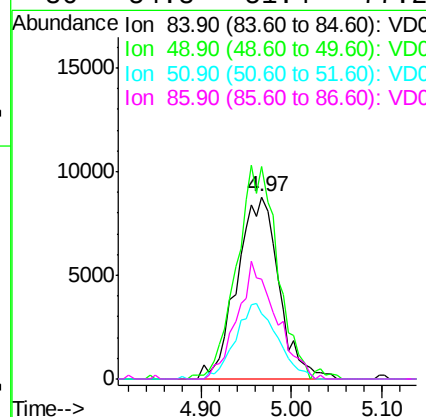
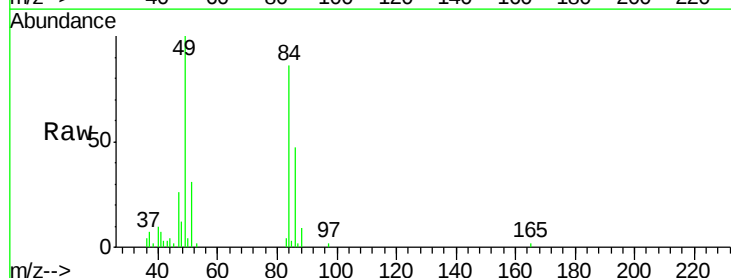
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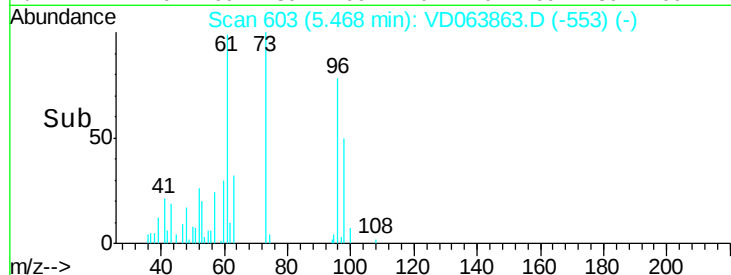
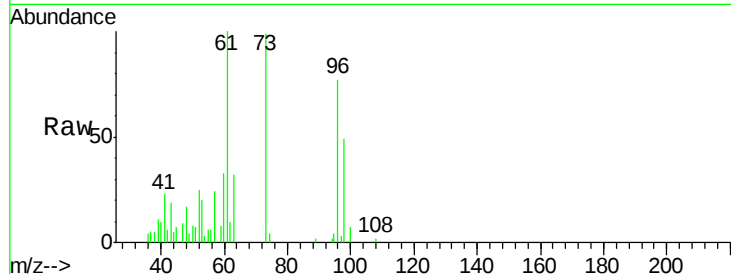
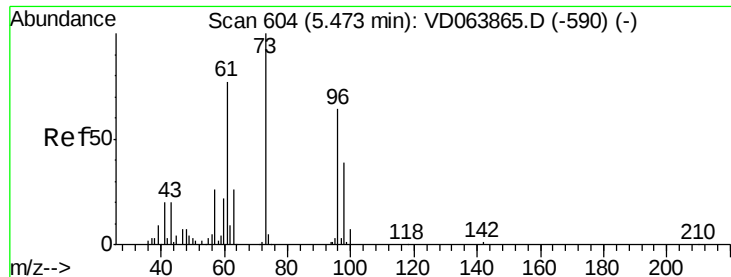
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#20
Methylene Chloride
Concen: 11.315 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion: 84 Resp: 28255
Ion Ratio Lower Upper
84 100
49 116.7 97.3 145.9
51 36.0 30.1 45.1
86 54.8 51.4 77.2





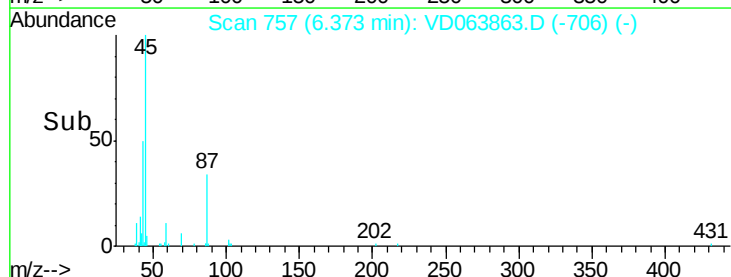
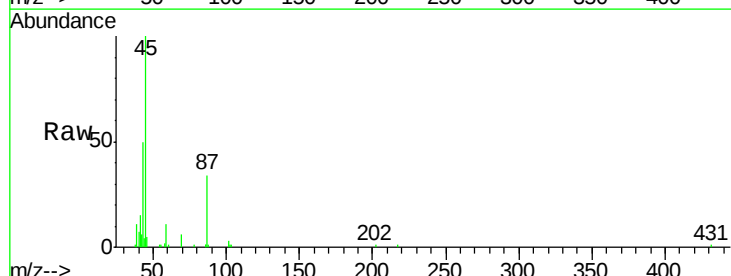
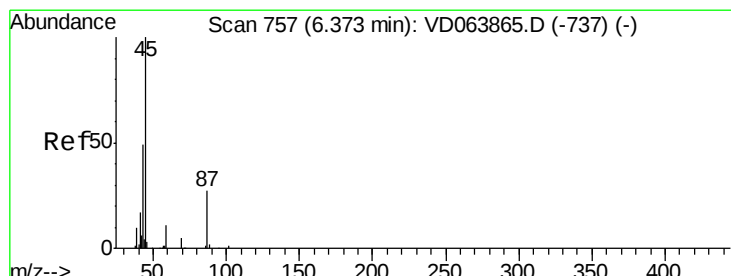
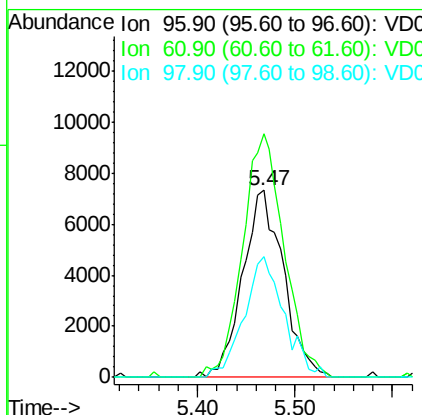
#21
trans-1,2-Dichloroethene
Concen: 10.946 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.1	96.6	145.0
98	64.3	48.7	73.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

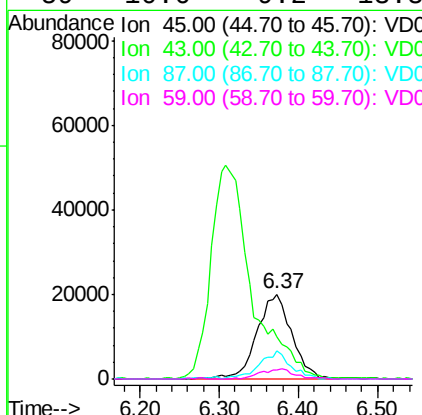
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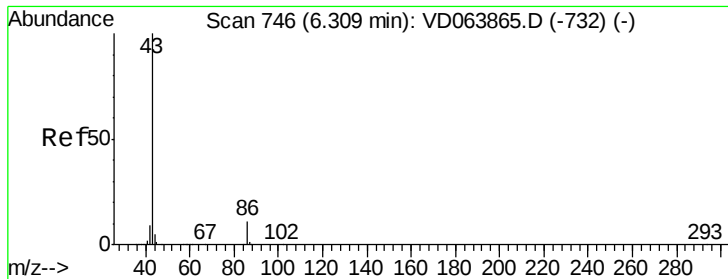
MMDadoda
10/3/2019 12:54:54 PM



#22
Diisopropyl ether
Concen: 11.306 ug/l
RT: 6.37 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	49.1	41.2	61.8
87	34.1	22.2	33.4#
59	10.6	9.2	13.8





#23

Vinyl Acetate

Concen: 55.655 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 180440

Ion Ratio Lower Upper

43 100

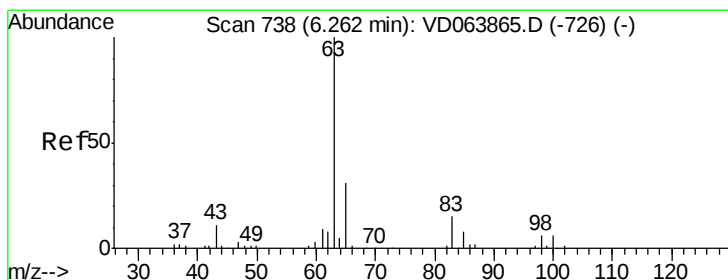
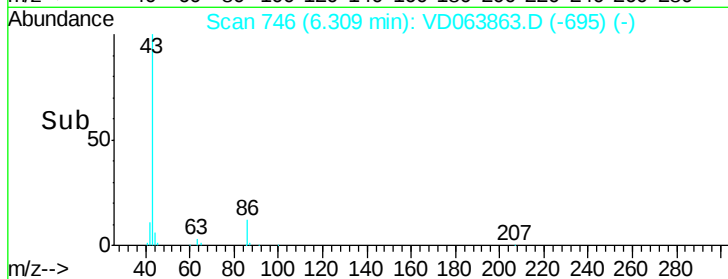
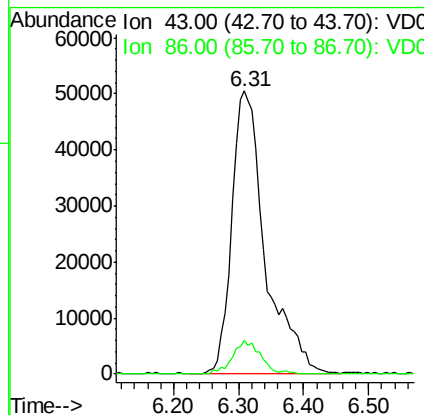
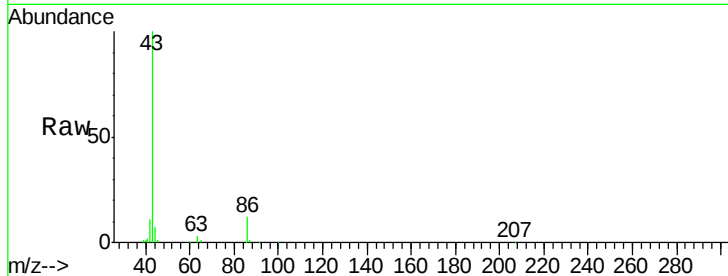
86 12.1 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 10.586 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

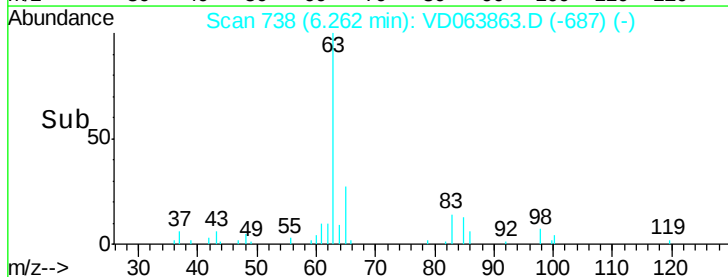
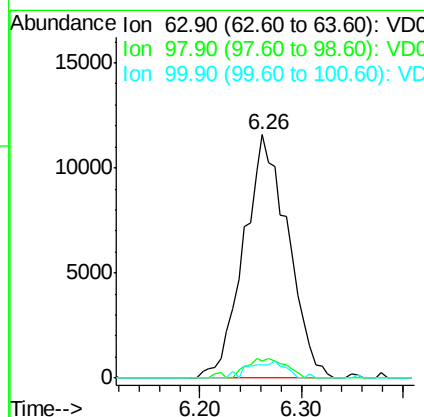
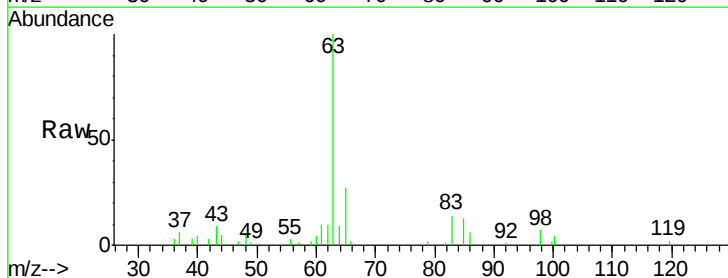
Tgt Ion: 63 Resp: 35228

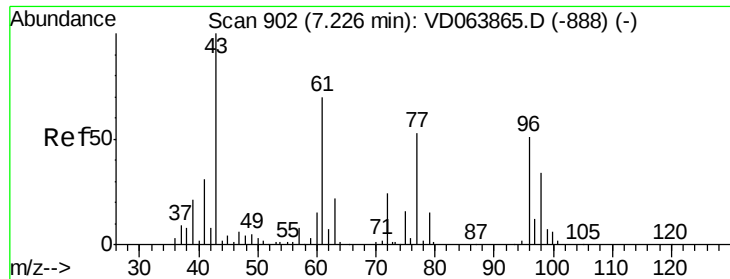
Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.4

100 5.6 3.0 9.2





#25

2-Butanone

Concen: 55.300 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 30742

Ion Ratio Lower Upper

43 100

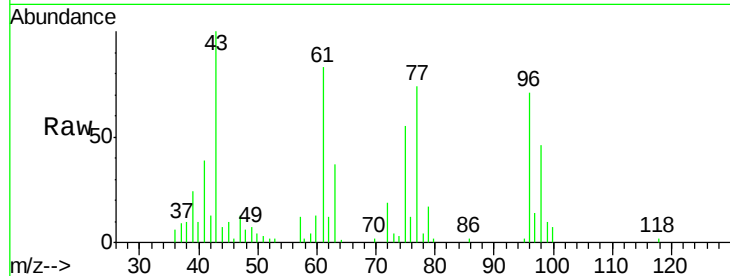
72 18.0 19.2 28.8#

Manual Integrations

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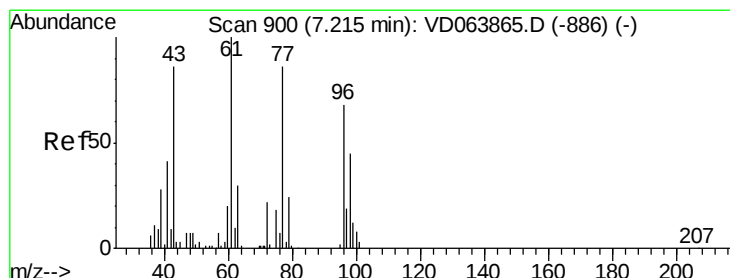
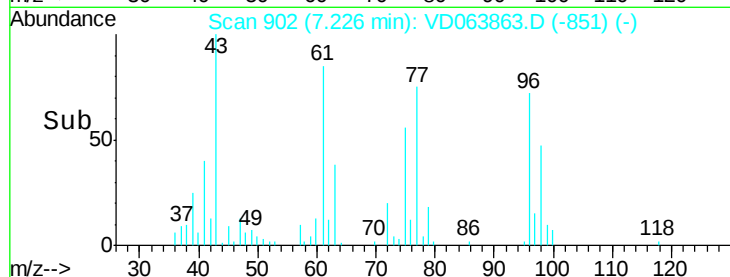
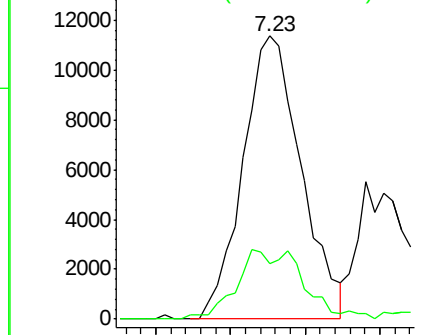
MMDadoda

10/3/2019 12:54:54 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: 10.897 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD063863.D

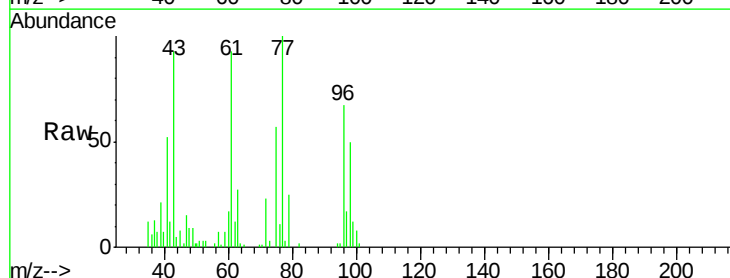
Acq: 02 Oct 2019 16:49

Tgt Ion: 77 Resp: 33540

Ion Ratio Lower Upper

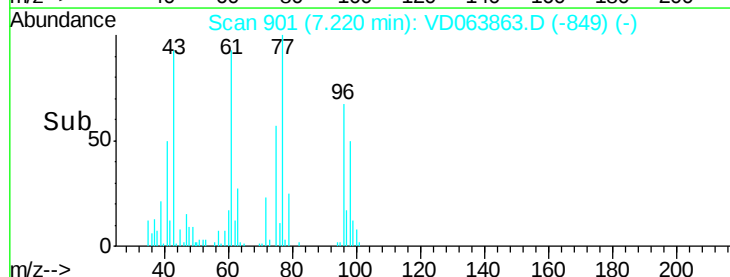
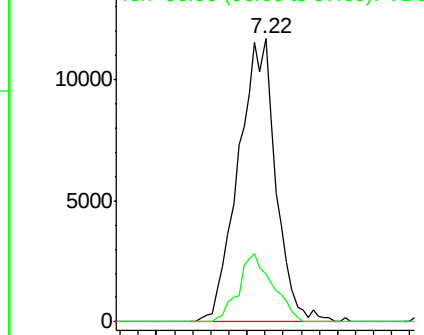
77 100

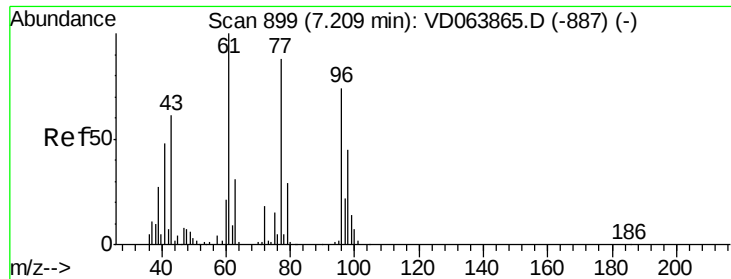
97 22.0 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

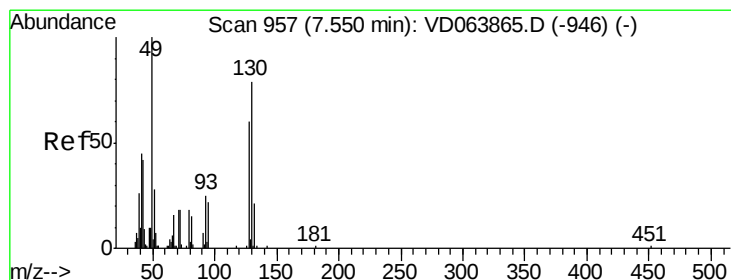
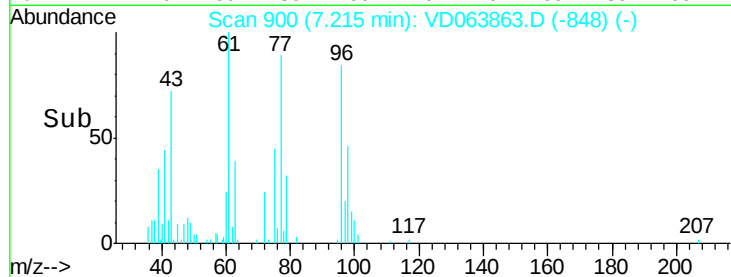
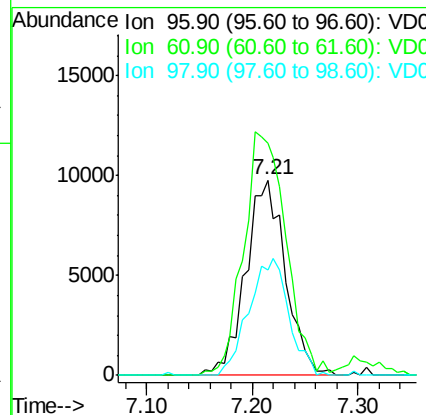
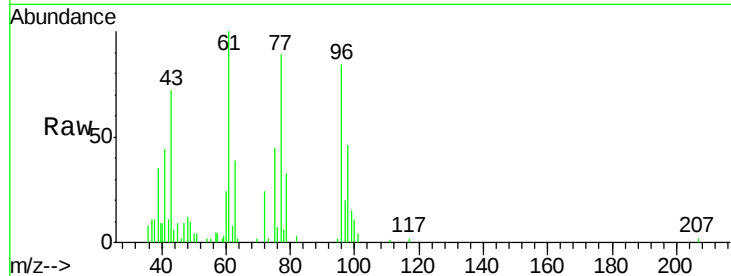
cis-1,2-Dichloroethene
 Concen: 11.672 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063863.D
 Acq: 02 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.6	0.0	280.0
98	60.4	0.0	130.4

Manual Integrations
 APPROVED

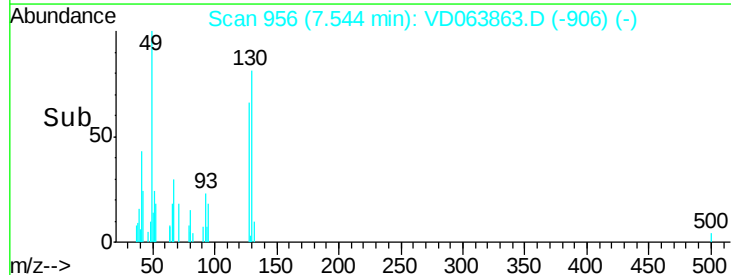
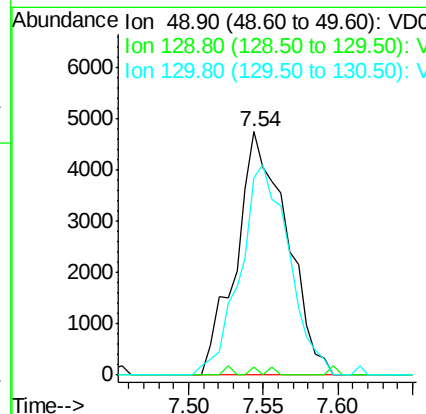
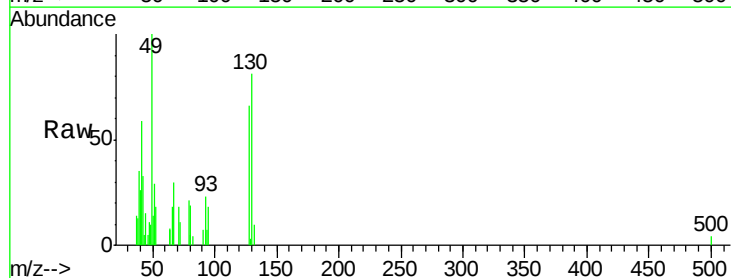
MMDadoda
 10/3/2019 12:54:54 PM

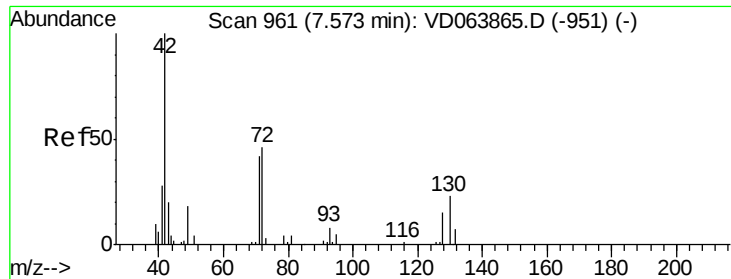


#28

Bromochloromethane
 Concen: 8.731 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063863.D
 Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	5.6
130	82.7	66.8	100.2





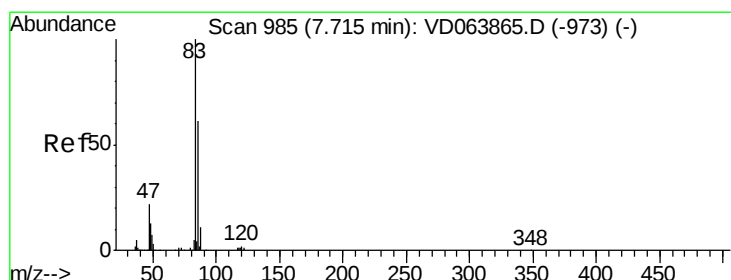
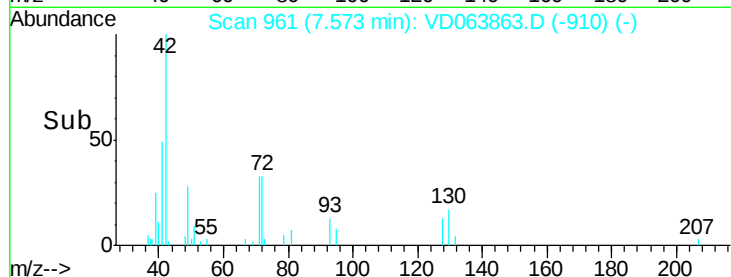
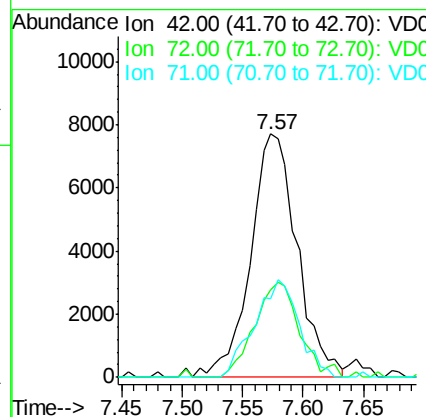
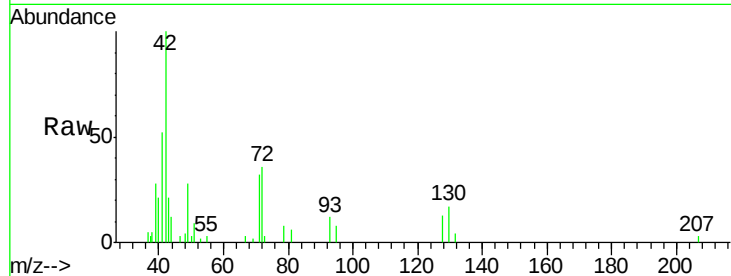
#29
Tetrahydrofuran
Concen: 63.523 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	37.6	56.4#
71	38.5	35.0	52.6

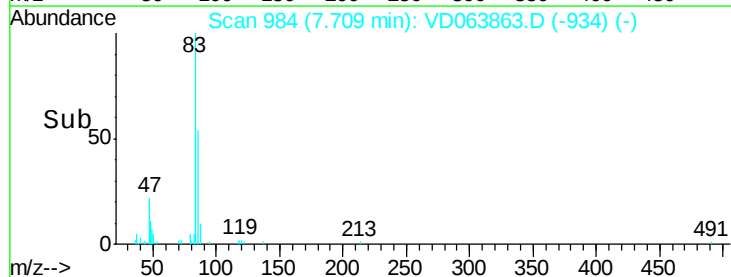
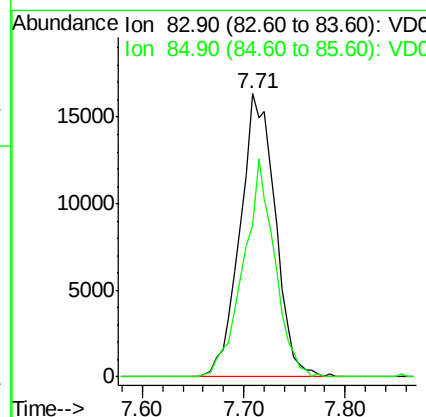
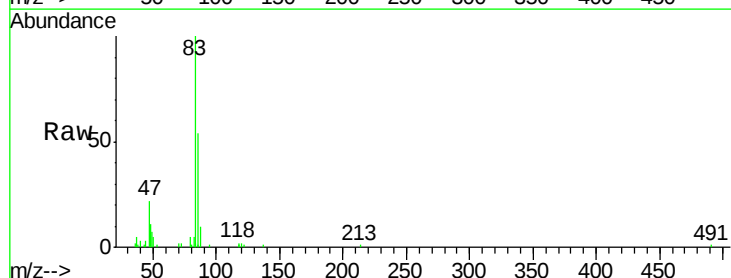
Manual Integrations
APPROVED

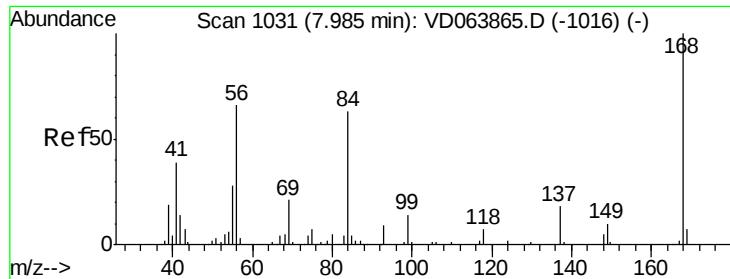
MMDadoda
10/3/2019 12:54:54 PM



#30
Chloroform
Concen: 10.961 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.6	48.9	73.3





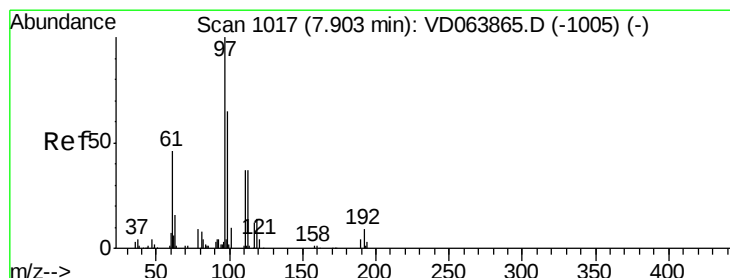
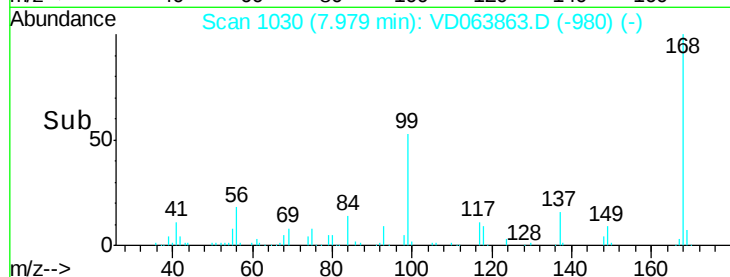
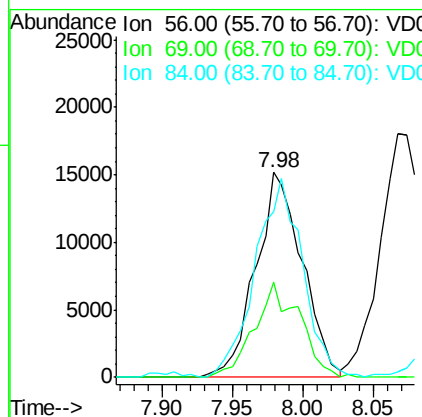
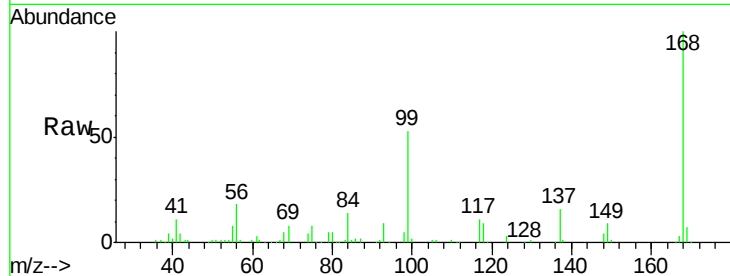
#31
Cyclohexane
Concen: 10.743 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	46.3	25.0	37.4#
84	78.8	76.3	114.5

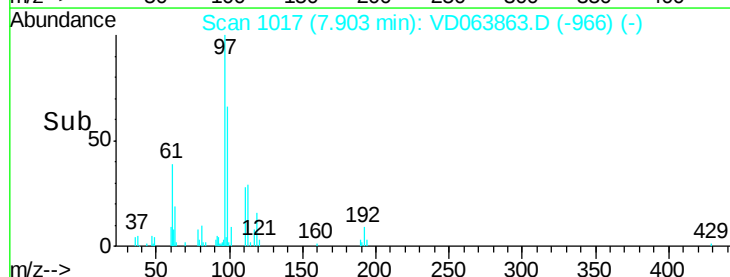
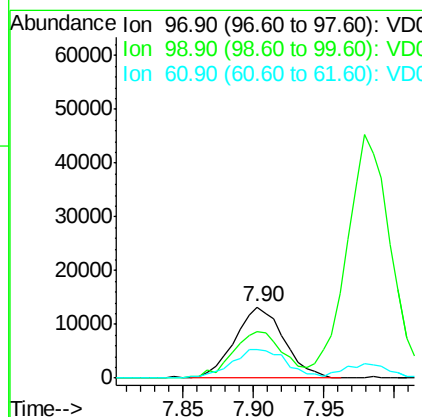
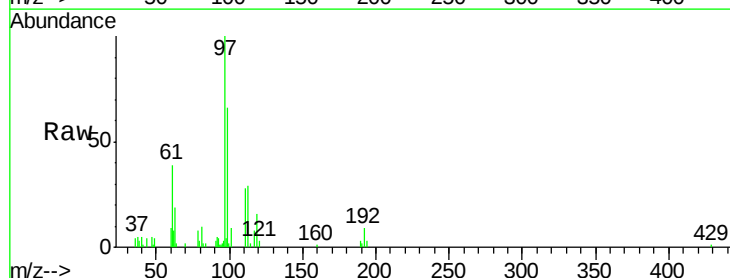
Manual Integrations
APPROVED

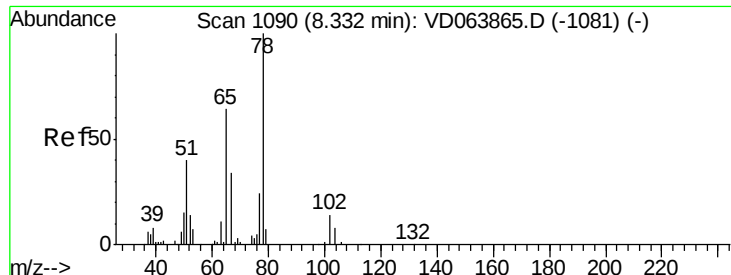
MMDadoda
10/3/2019 12:54:54 PM



#32
1,1,1-Trichloroethane
Concen: 9.923 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.4	52.4	78.6
61	45.4	33.8	50.8





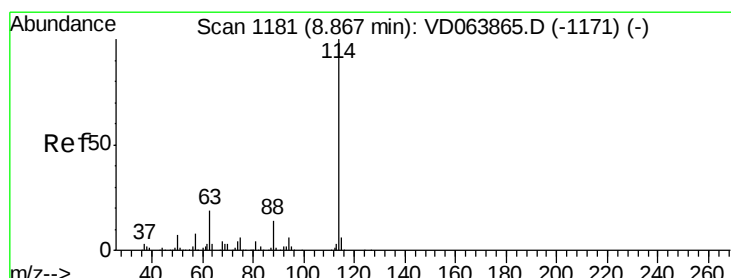
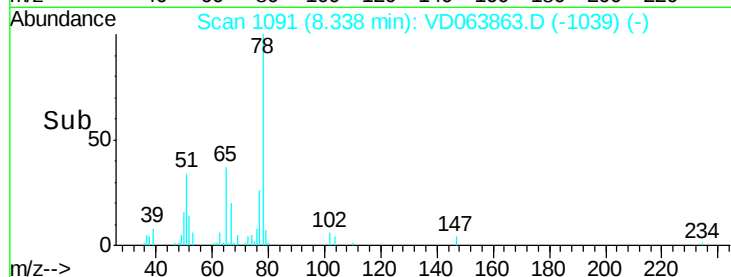
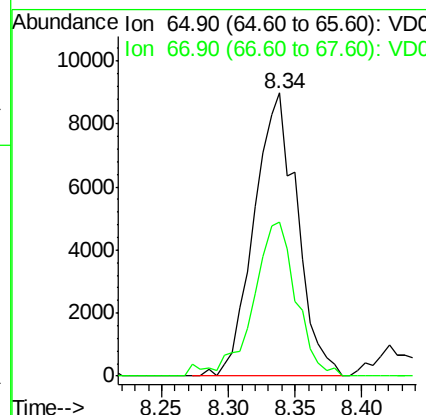
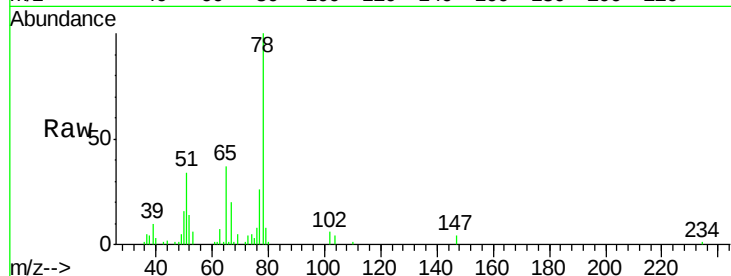
#33
 1,2-Dichloroethane-d4
 Concen: 10.846 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063863.D
 Acq: 02 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	20027		
67	54.6	0.0	106.4	

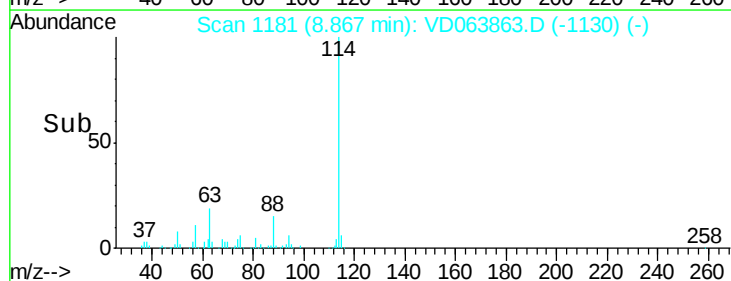
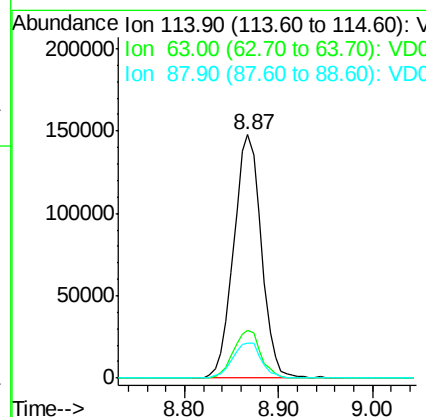
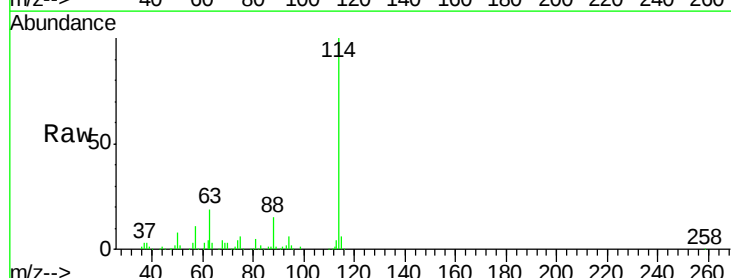
Manual Integrations
 APPROVED

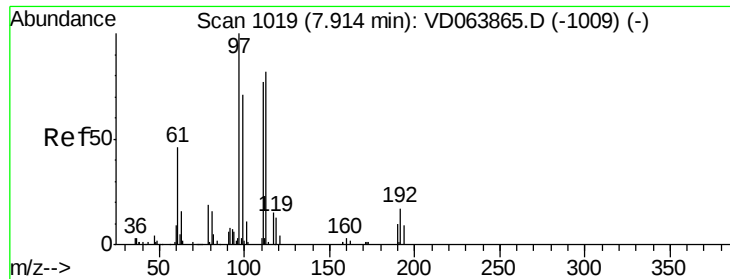
MMDadoda
 10/3/2019 12:54:54 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD063863.D
 Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	302196		
63	19.4	0.0	38.4	
88	14.6	0.0	27.4	





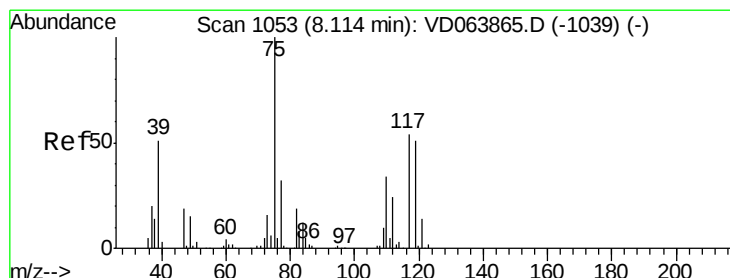
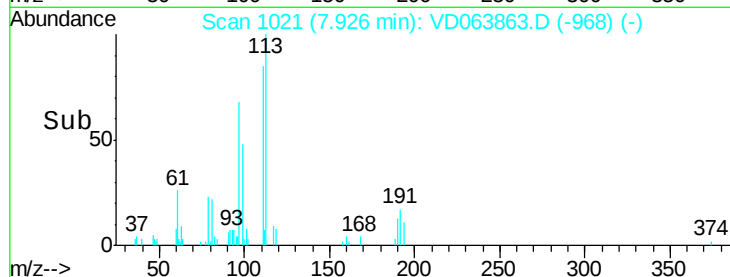
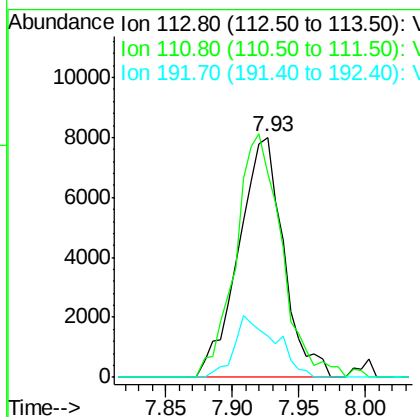
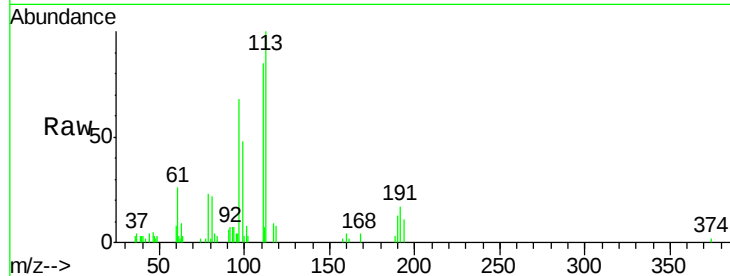
#35
Dibromofluoromethane
Concen: 9.806 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
113	100	18636		
111	103.9	82.6	123.8	
192	23.7	17.1	25.7	

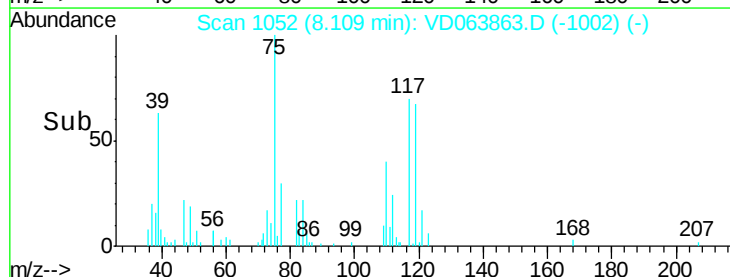
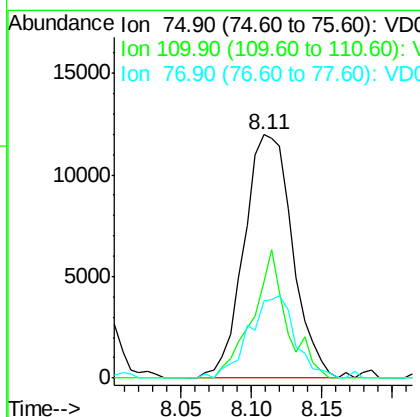
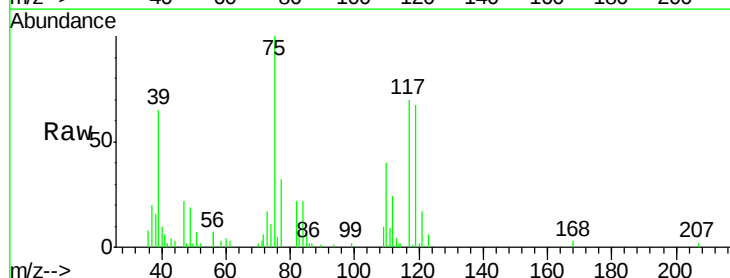
Manual Integrations
APPROVED

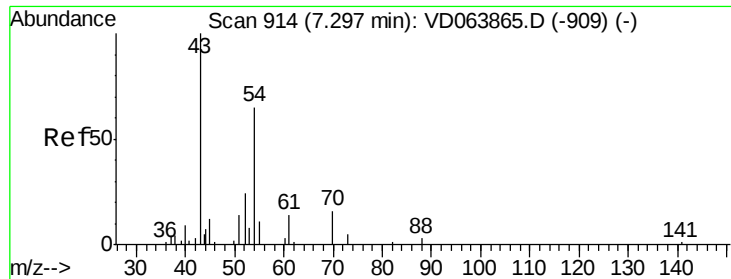
MMDadoda
10/3/2019 12:54:54 PM



#36
1,1-Dichloropropene
Concen: 10.525 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28765		
110	37.6	17.4	52.3	
77	32.2	25.4	38.0	





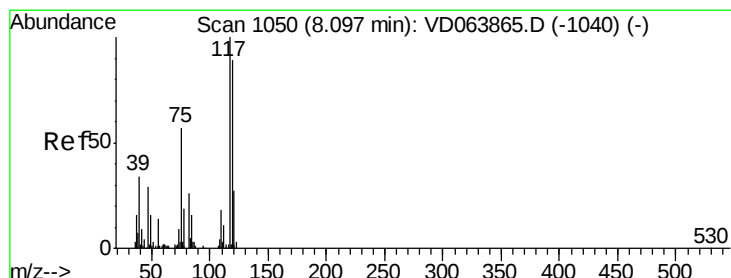
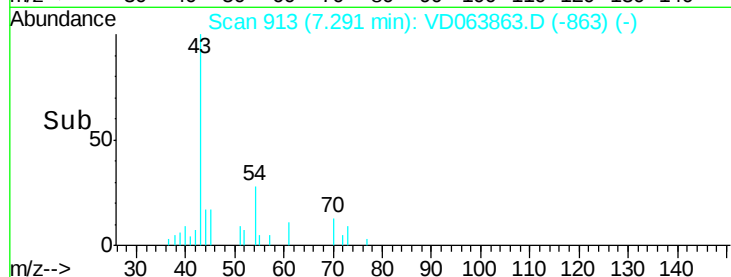
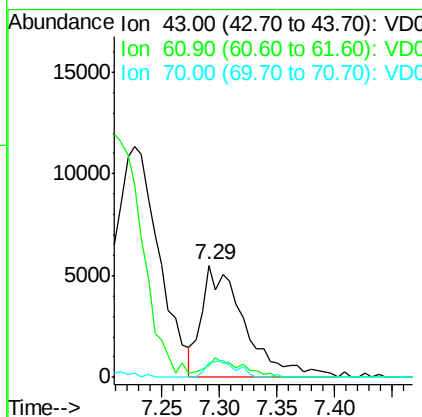
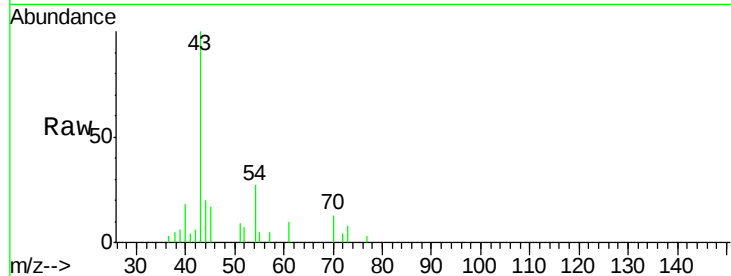
#37
Ethyl Acetate
Concen: 12.232 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.5	17.3
70	10.4	8.2	12.4

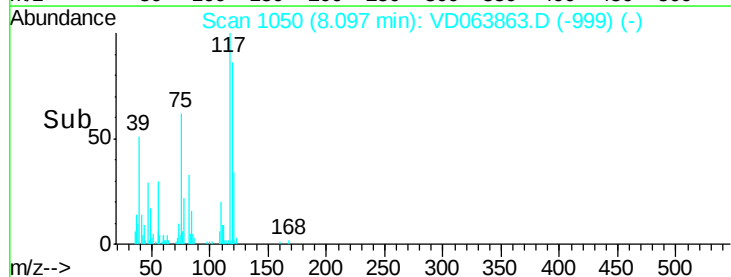
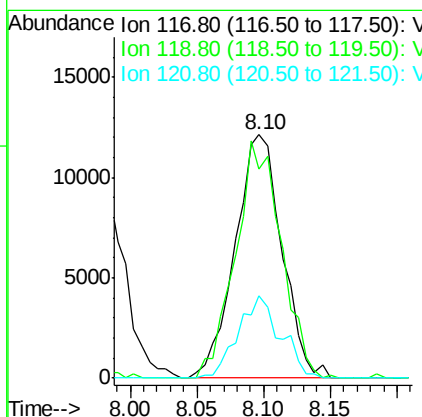
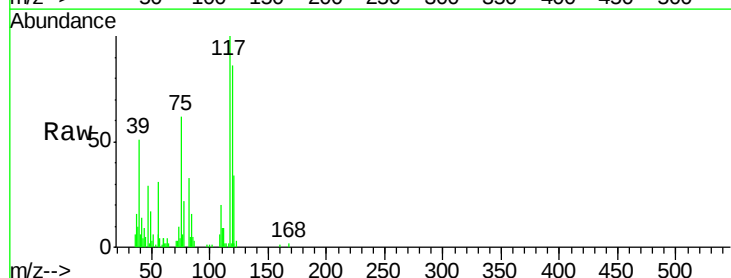
Manual Integrations
APPROVED

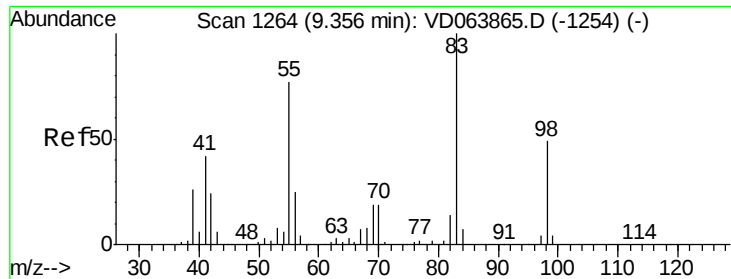
MMDadoda
10/3/2019 12:54:54 PM



#38
Carbon Tetrachloride
Concen: 10.454 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.7	70.8	106.2
121	33.9	21.4	32.0





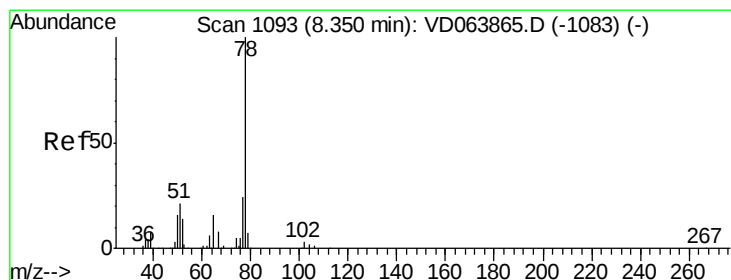
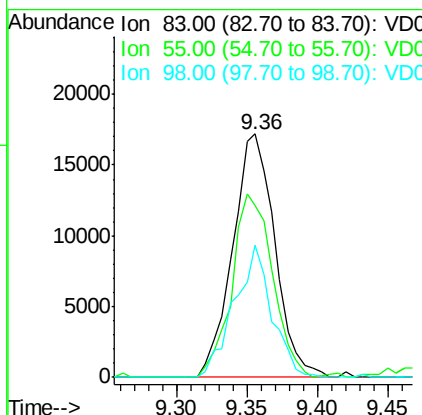
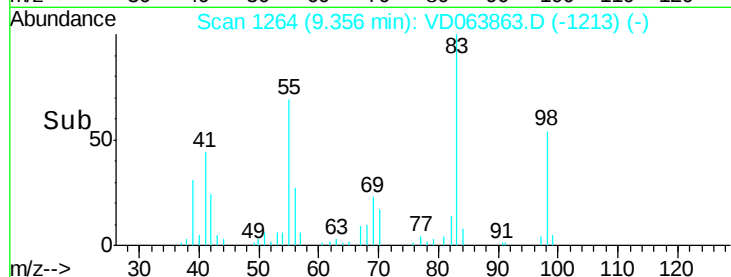
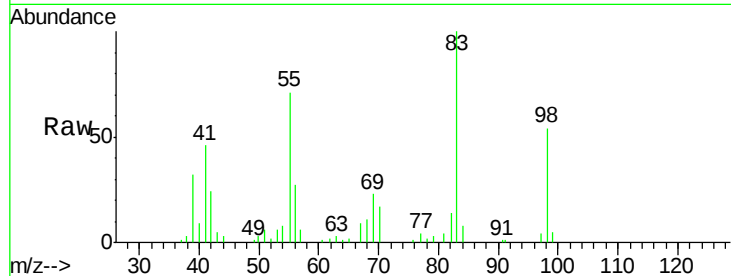
#39
Methvlcvclohexane
Concen: 10.586 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	61.3	91.9
98	54.1	39.3	58.9

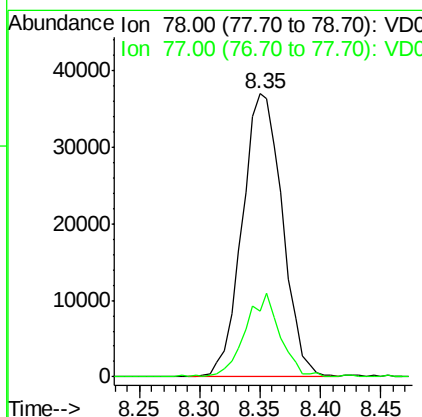
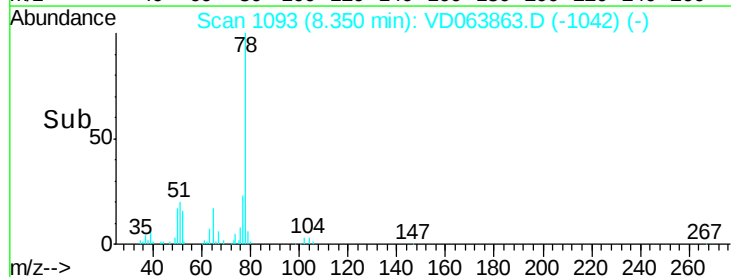
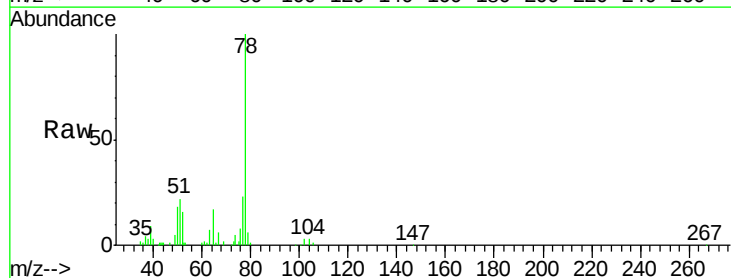
Manual Integrations
APPROVED

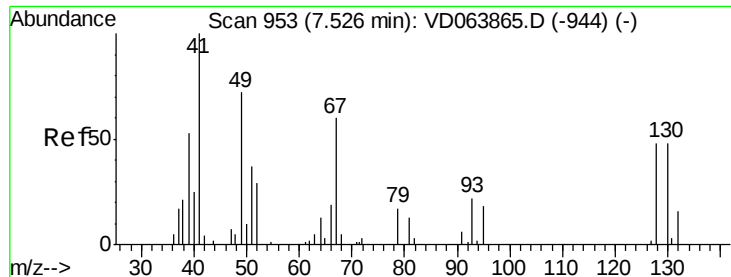
MMDadoda
10/3/2019 12:54:54 PM



#40
Benzene
Concen: 11.283 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6





#41

Methacrylonitrile

Concen: 10.661 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 7033

Ion Ratio Lower Upper

41 100

39 66.1 52.6 78.8

67 75.7 74.2 111.2

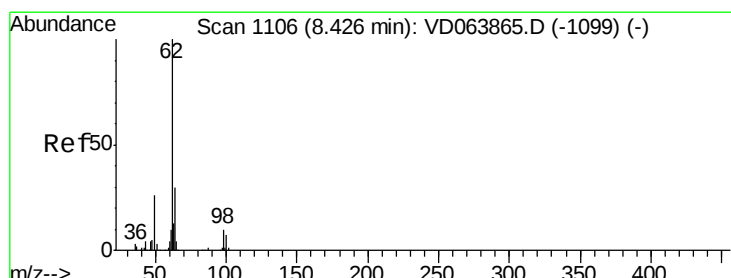
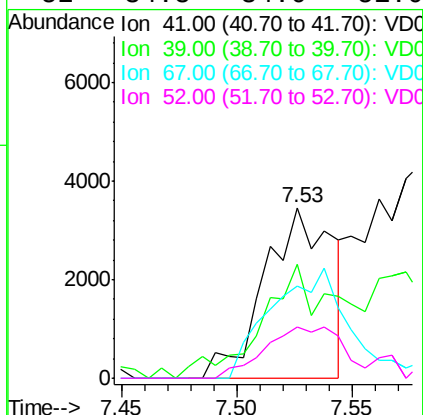
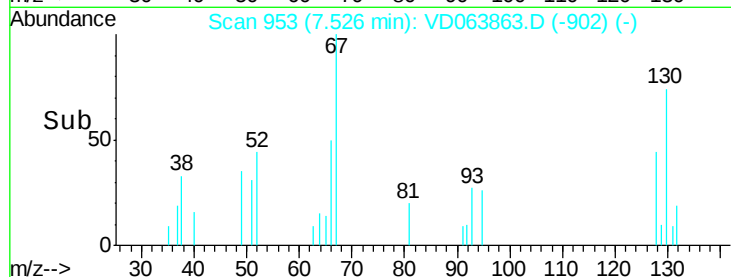
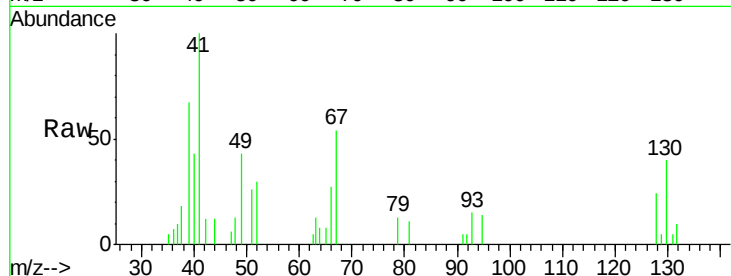
52 34.8 34.0 51.0

Manual Integrations

APPROVED

MMDadoda

10/3/2019 12:54:54 PM



#42

1,2-Dichloroethane

Concen: 11.561 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD063863.D

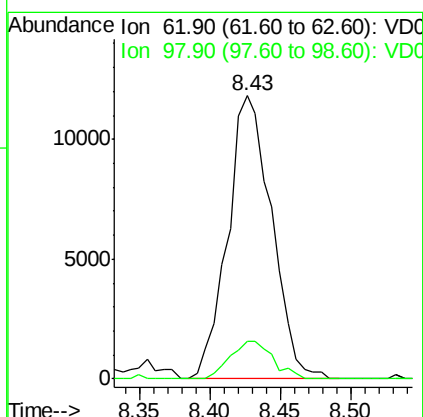
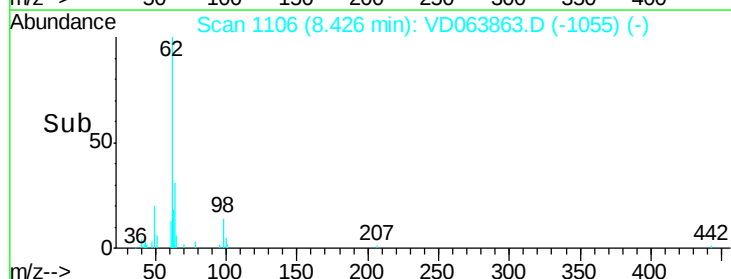
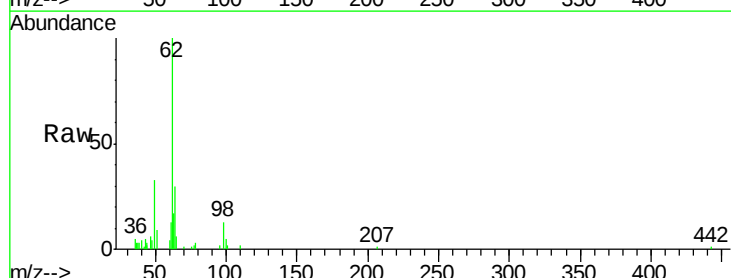
Acq: 02 Oct 2019 16:49

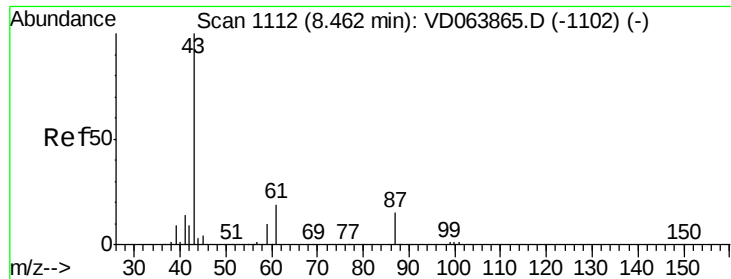
Tgt Ion: 62 Resp: 25663

Ion Ratio Lower Upper

62 100

98 12.9 0.0 20.0





#43

Isopropyl Acetate

Concen: 11.415 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

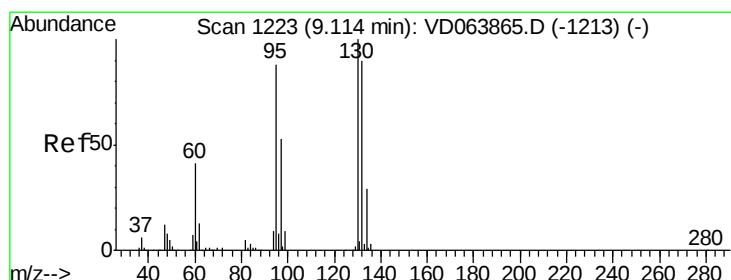
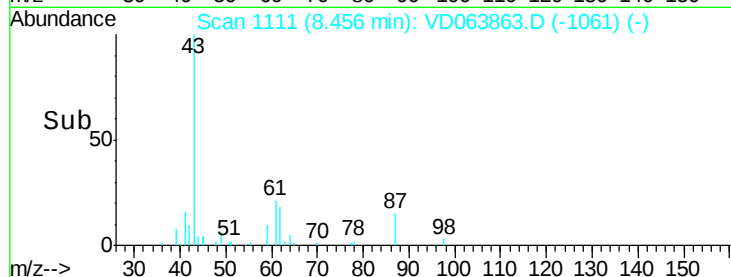
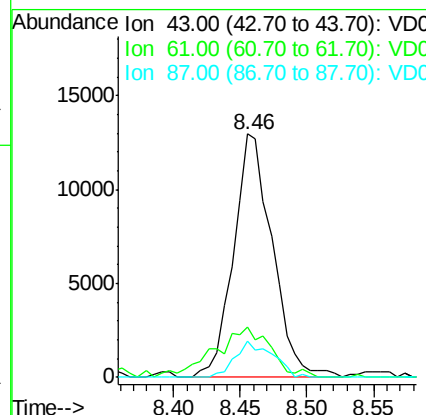
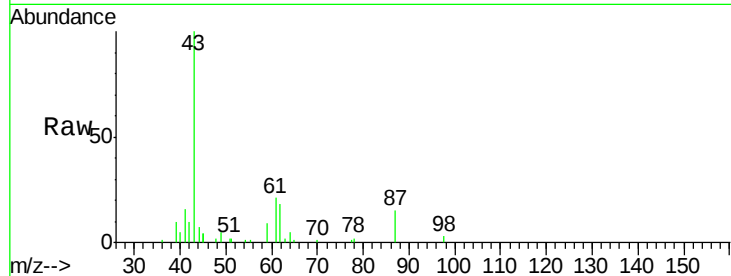
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	26274
Ion	Ratio	Lower	Upper
43	100		
61	30.0	25.7	38.5
87	14.3	11.6	17.4

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#44

Trichloroethene

Concen: 11.010 ug/l

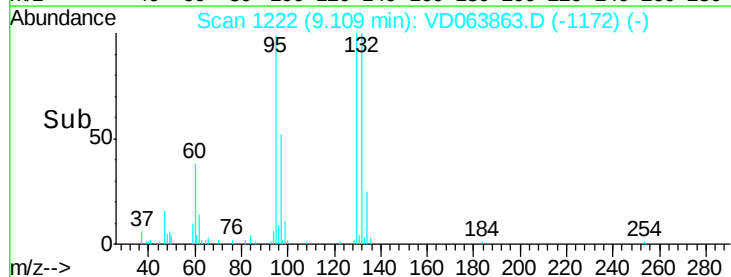
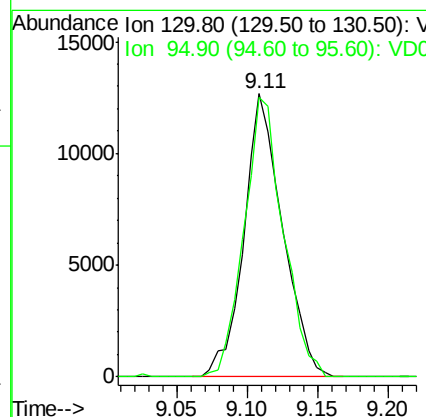
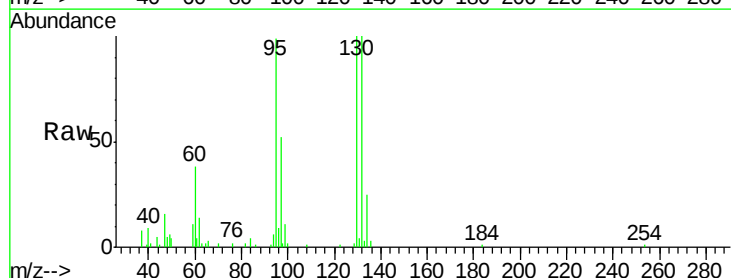
RT: 9.11 min Scan# 1222

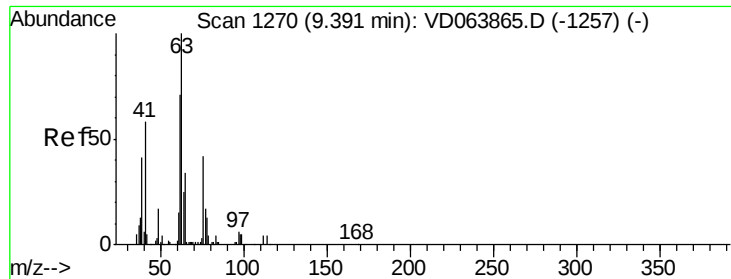
Delta R.T. -0.01 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Tgt Ion:	130	Resp:	24207
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	175.6





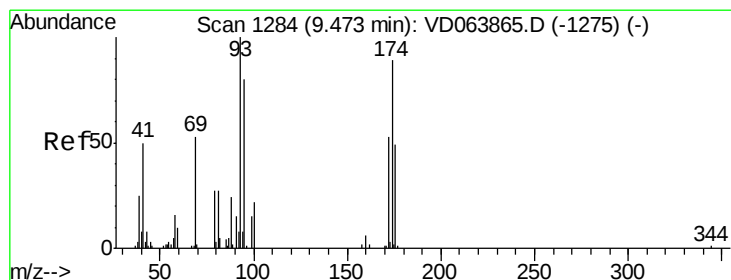
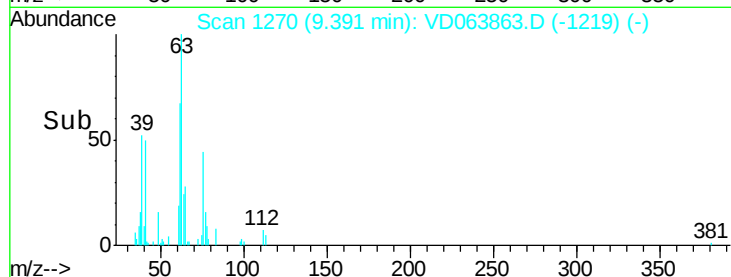
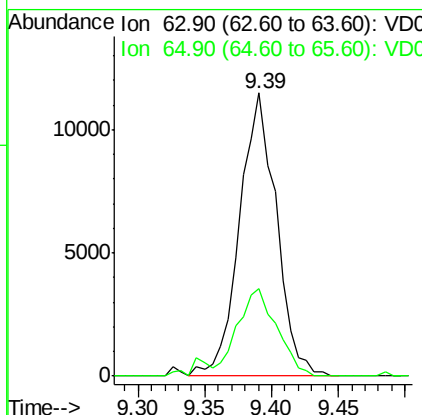
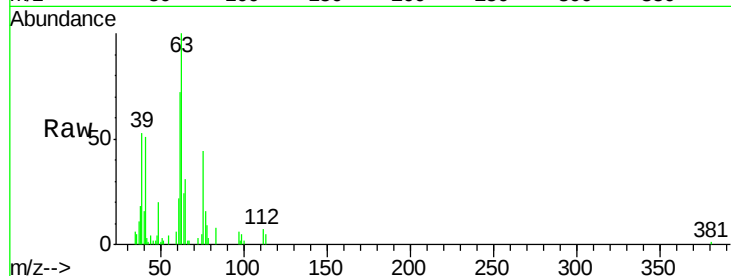
#45
 1,2-Dichloropropane
 Concen: 11.736 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063863.D
 Acq: 02 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	27.3	40.9

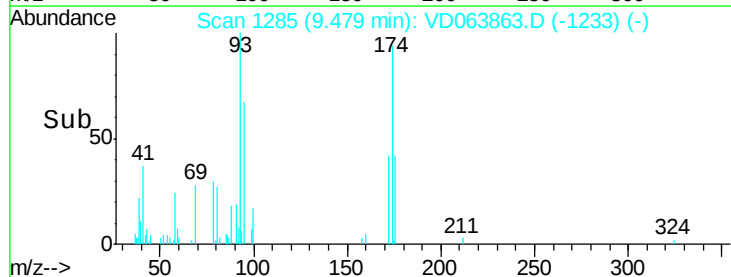
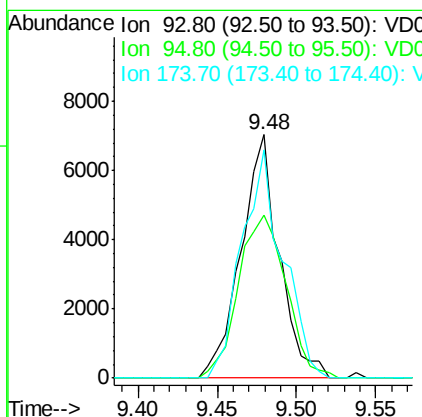
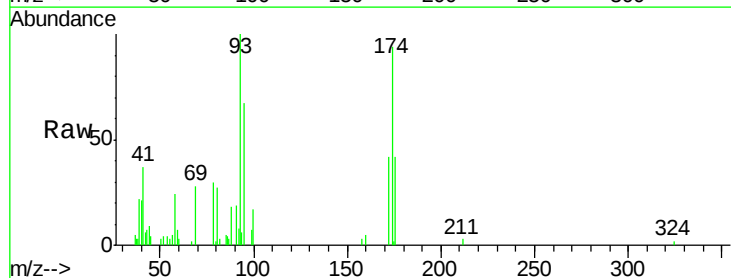
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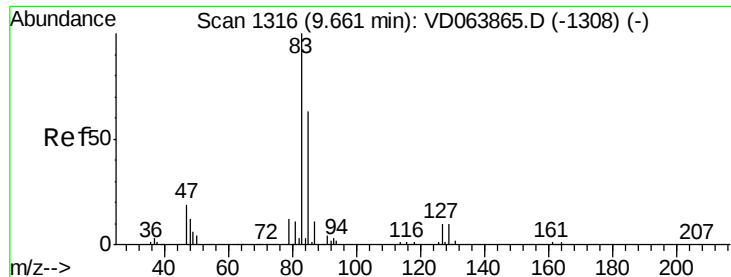
MMDadoda
 10/3/2019 12:54:54 PM



#46
 Dibromomethane
 Concen: 11.118 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063863.D
 Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.0	99.0
174	100.6	83.4	125.0





#47

Bromodichloromethane

Concen: 10.800 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

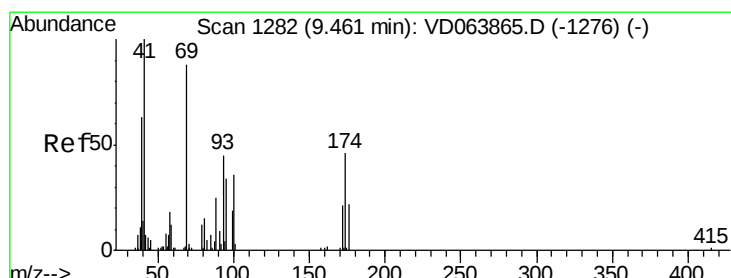
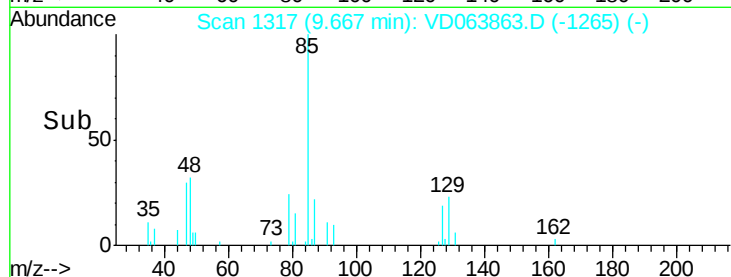
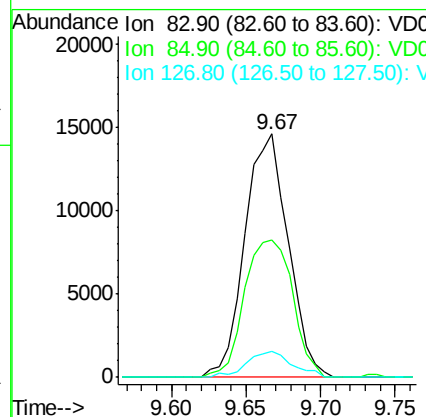
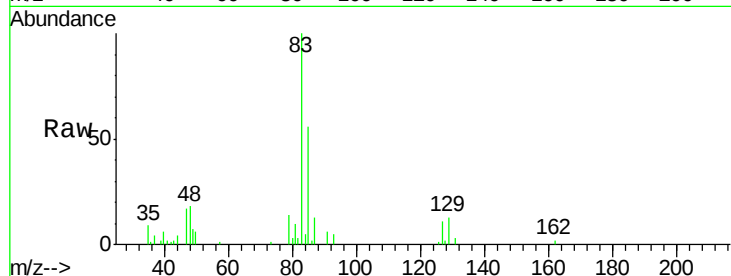
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	29404
Ion	Ratio	Lower	Upper
83	100		
85	56.4	50.2	75.2
127	10.7	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 12.658 ug/l

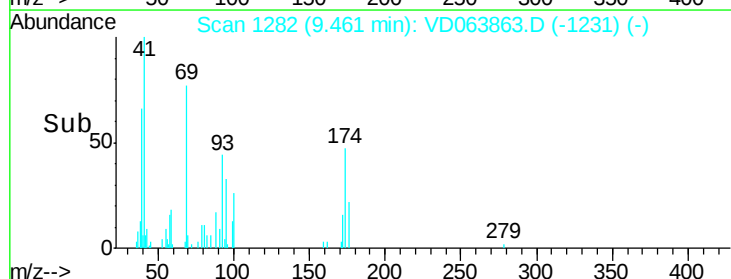
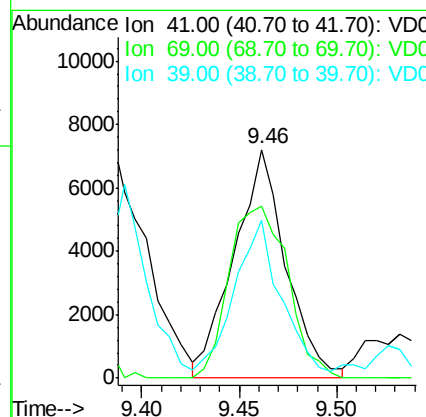
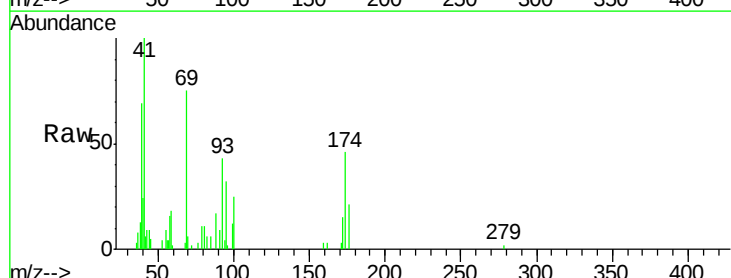
RT: 9.46 min Scan# 1282

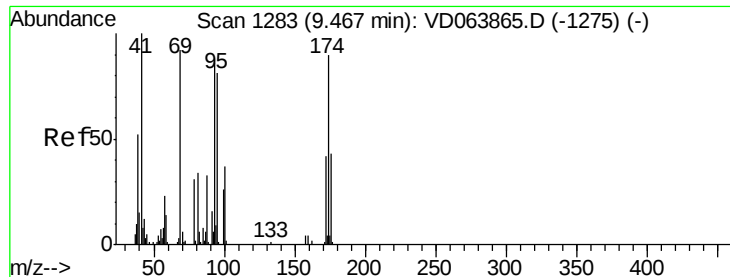
Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Tgt Ion:	41	Resp:	13280
Ion	Ratio	Lower	Upper
41	100		
69	85.1	75.1	112.7
39	57.8	50.2	75.2





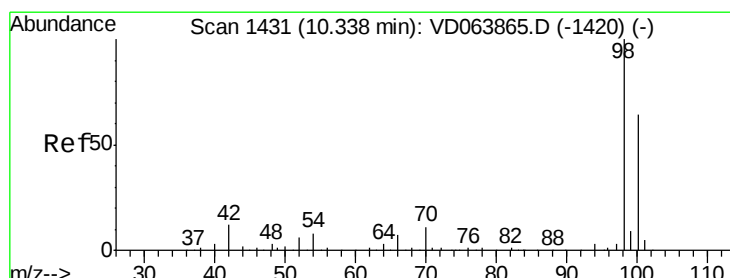
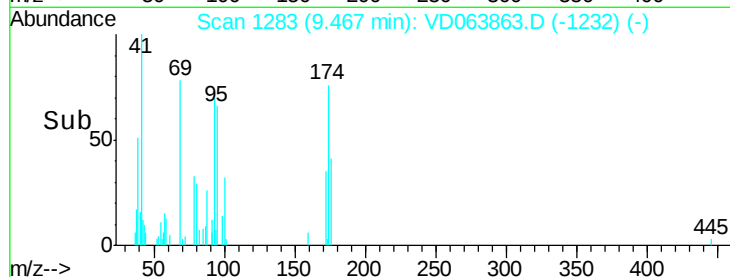
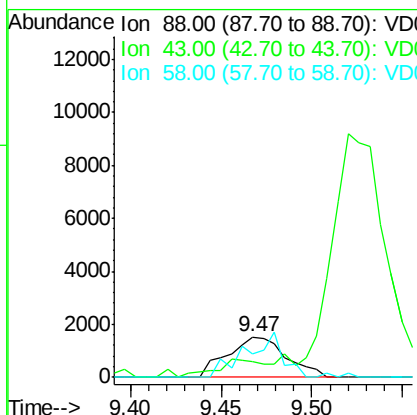
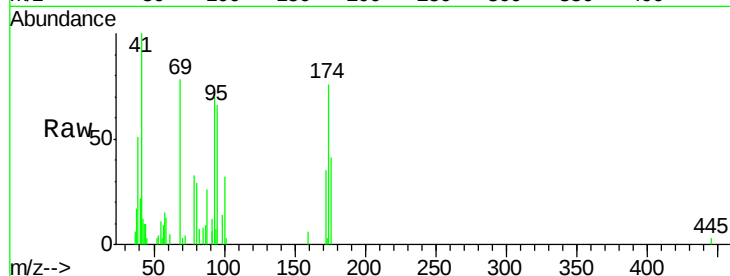
#49
1,4-Dioxane
Concen: 229.053 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.6	41.4#
58	69.7	54.1	81.1

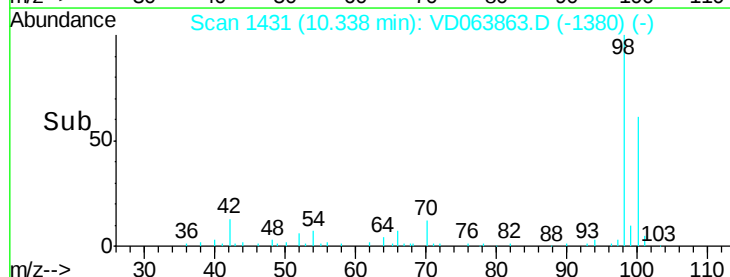
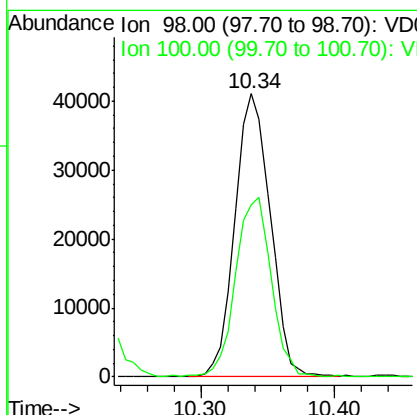
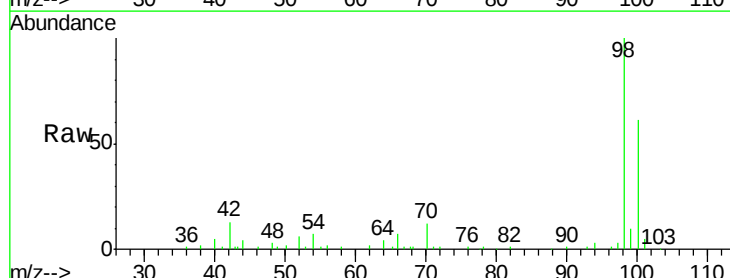
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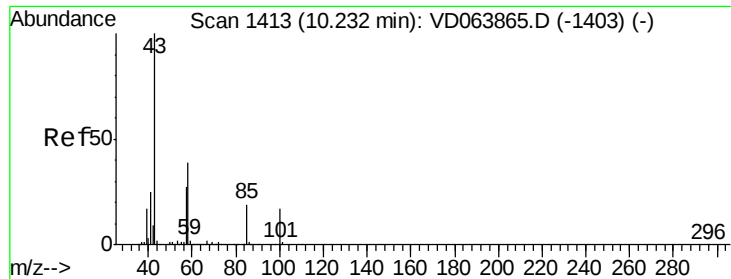
MMDadoda
10/3/2019 12:54:54 PM



#50
Toluene-d8
Concen: 10.503 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.1	78.1





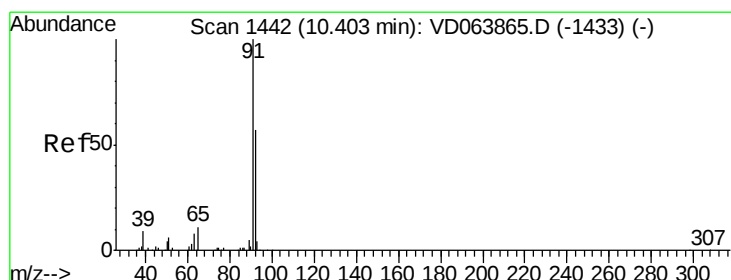
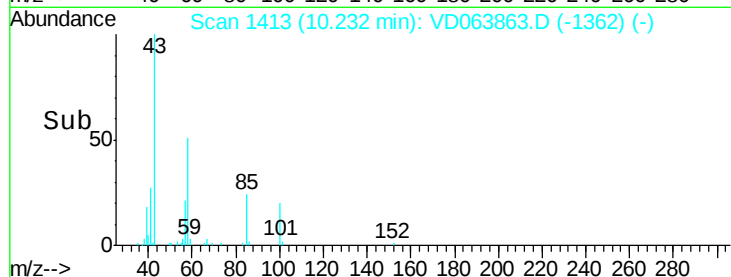
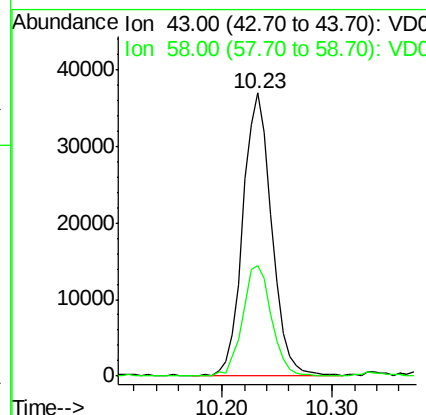
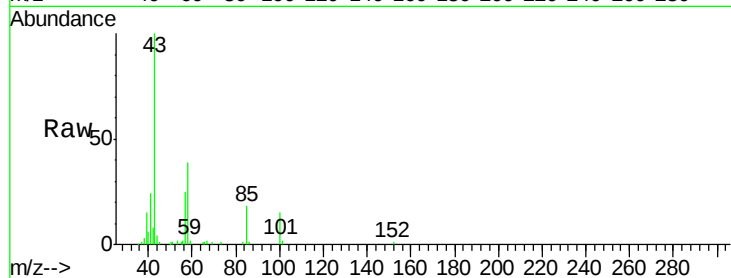
#51
4-Methyl-2-Pentanone
Concen: 58.311 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 68071
Ion Ratio Lower Upper
43 100
58 39.1 33.0 49.4

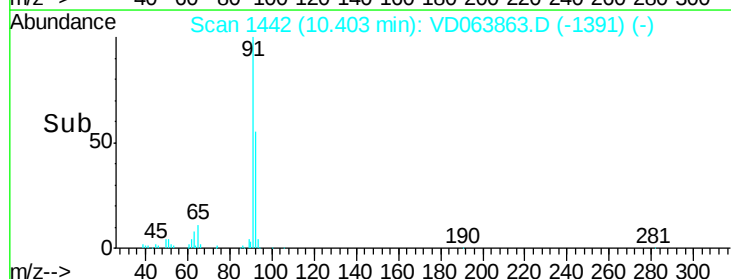
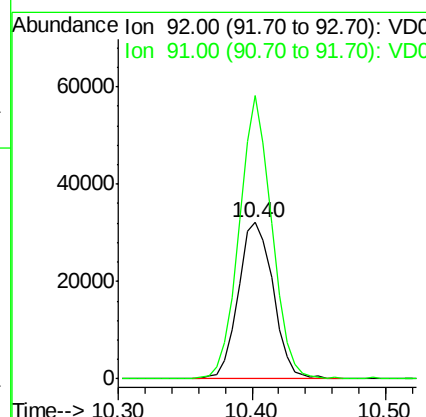
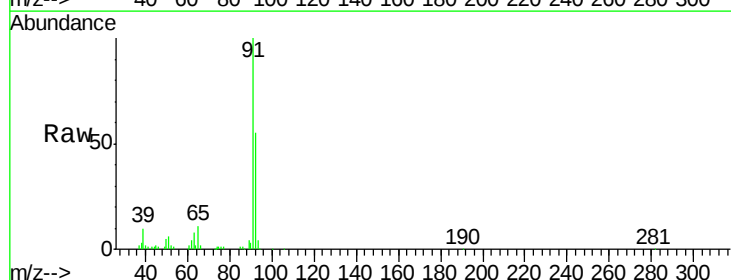
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#52
Toluene
Concen: 11.343 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion: 92 Resp: 58413
Ion Ratio Lower Upper
92 100
91 167.9 139.5 209.3





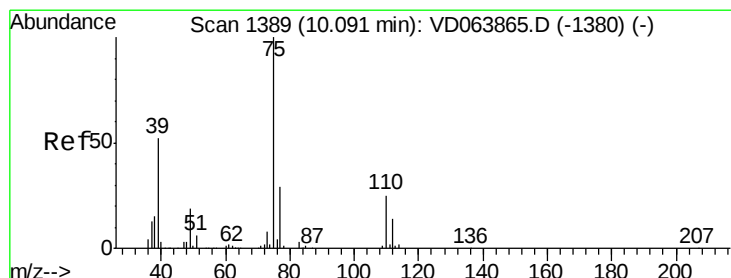
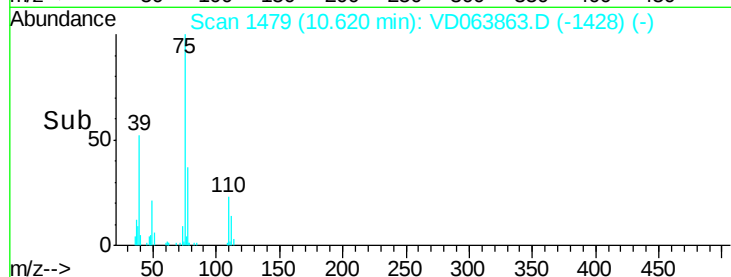
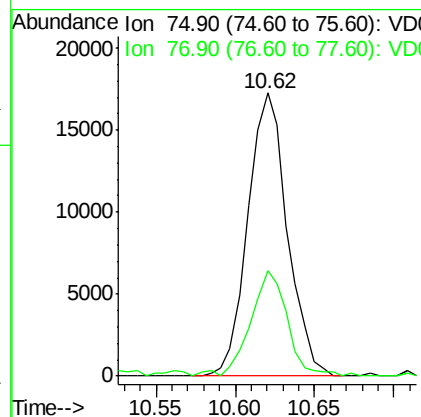
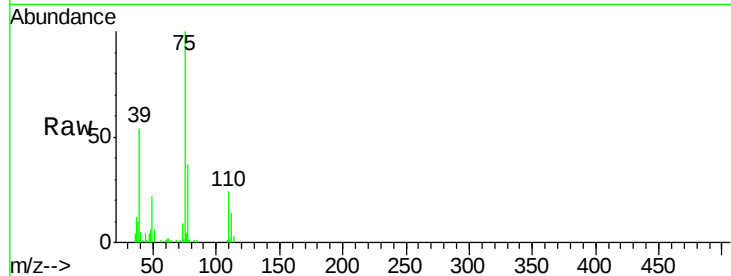
#53
 t-1,3-Dichloropropene
 Concen: 11.038 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD063863.D
 Acq: 02 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 75 Resp: 29810
 Ion Ratio Lower Upper
 75 100
 77 37.1 22.8 34.2#

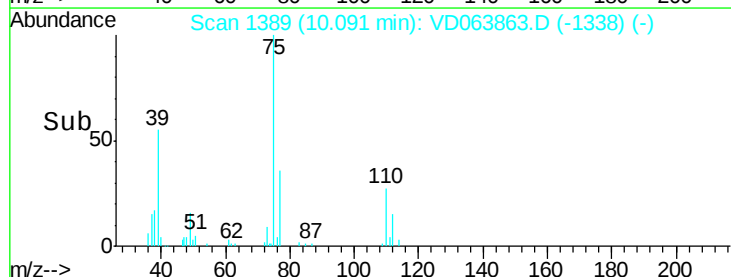
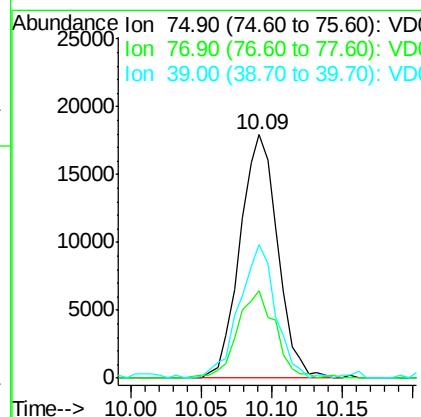
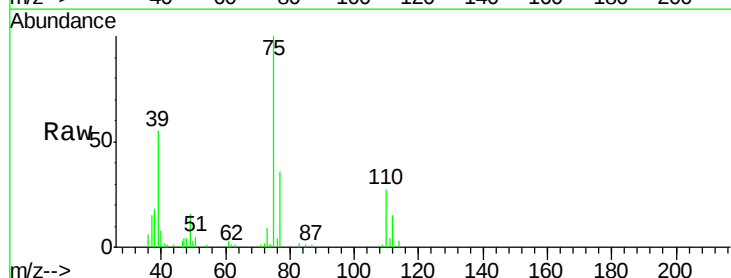
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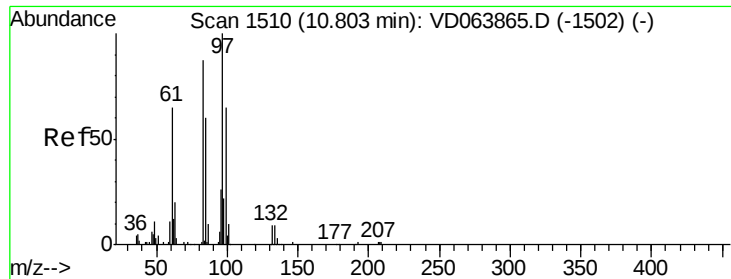
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#54
 cis-1,3-Dichloropropene
 Concen: 10.917 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD063863.D
 Acq: 02 Oct 2019 16:49

Tgt Ion: 75 Resp: 33387
 Ion Ratio Lower Upper
 75 100
 77 36.1 23.2 34.8#
 39 54.7 41.5 62.3





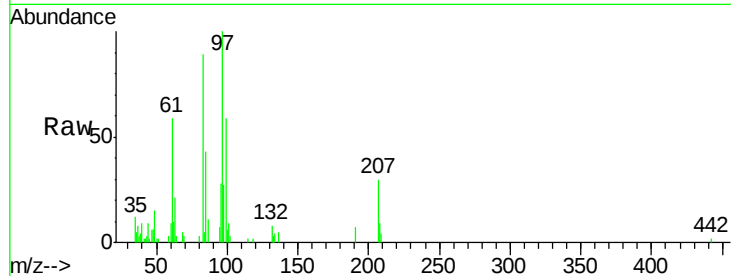
#55
 1,1,2-Trichloroethane
 Concen: 11.465 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD063863.D
 Acq: 02 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

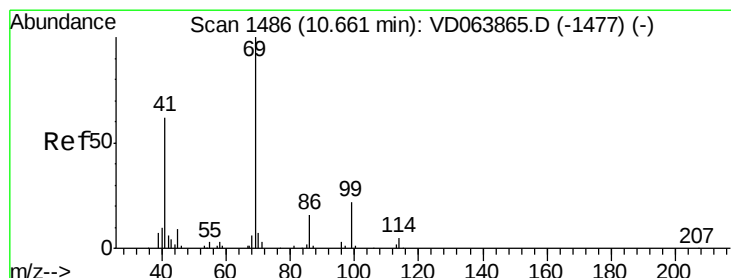
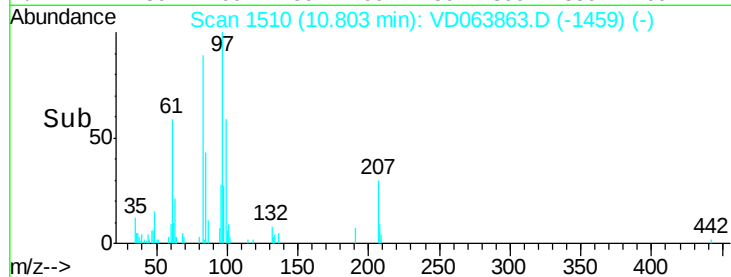
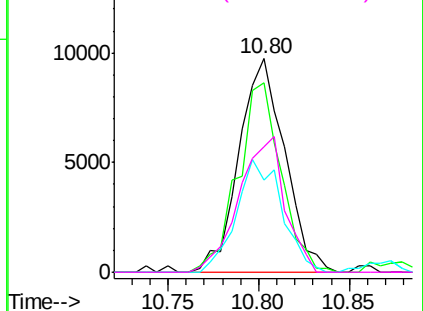
Tot Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.7	104.5
85	43.0	48.1	72.1
99	58.8	51.9	77.9

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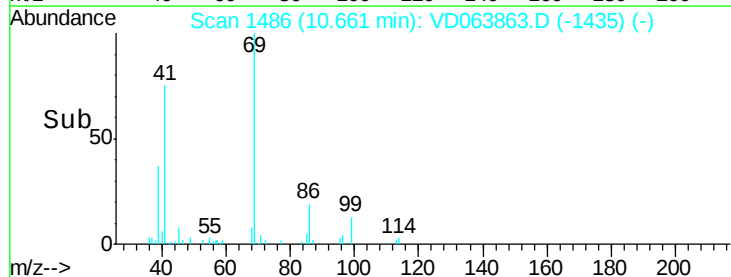
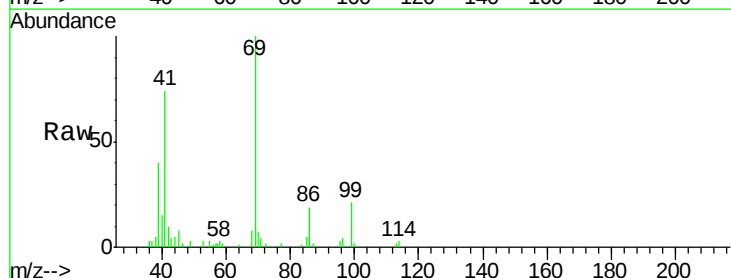
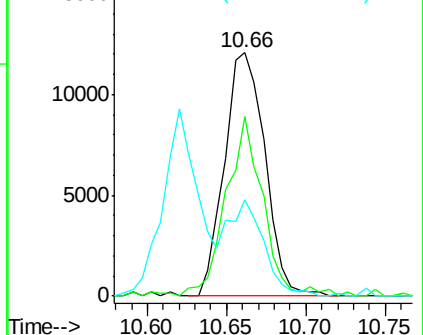
Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

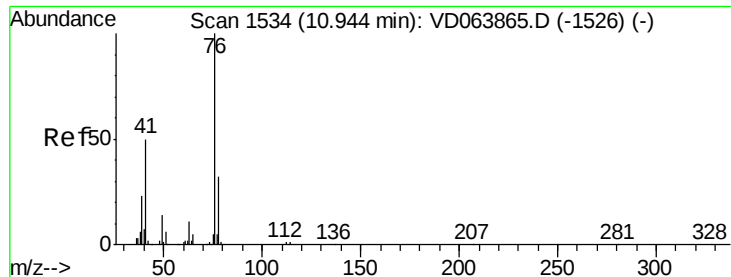


#56
 Ethyl methacrylate
 Concen: 11.262 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD063863.D
 Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.3	51.3	76.9
39	35.3	28.0	42.0

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





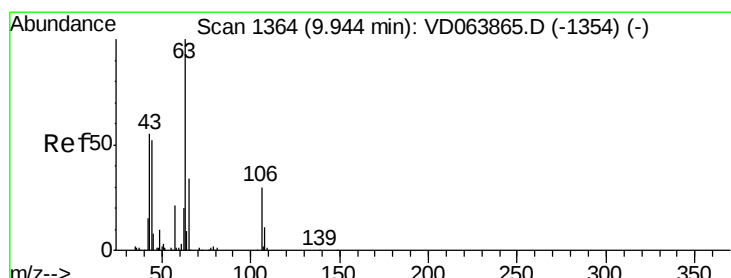
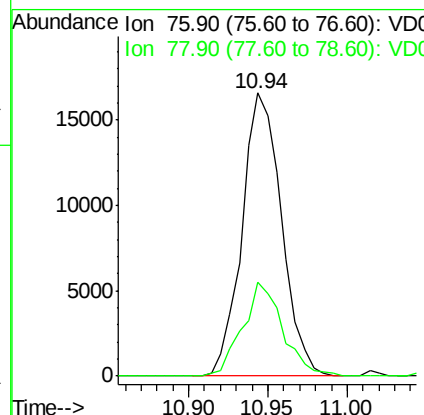
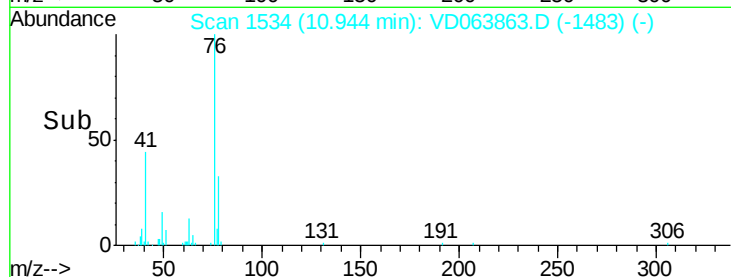
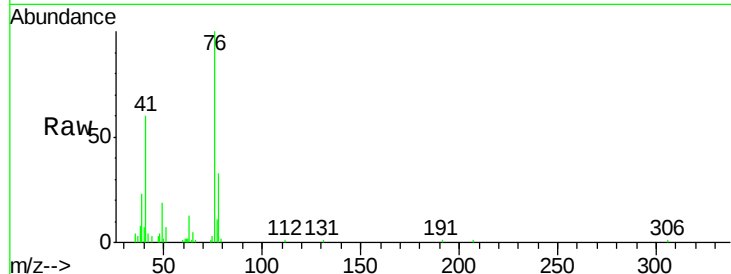
#57
 1,3-Dichloropropane
 Concen: 11.259 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD063863.D
 Acq: 02 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	26.6	40.0

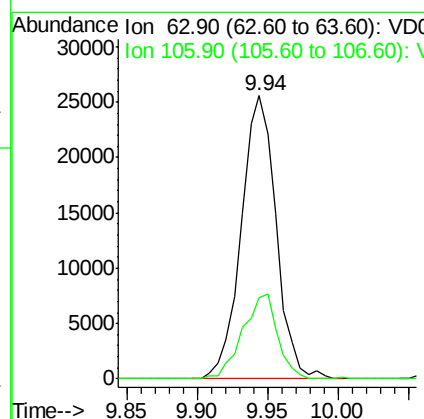
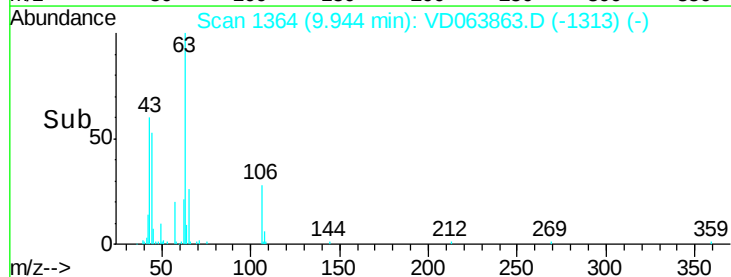
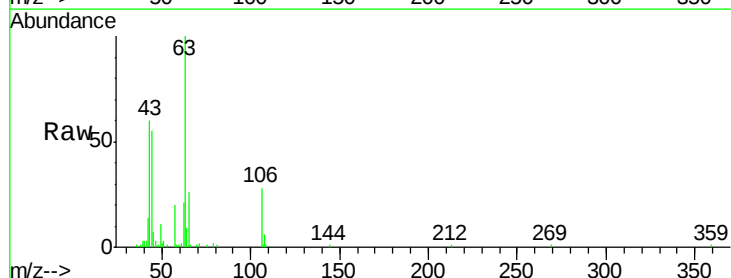
Manual Integrations
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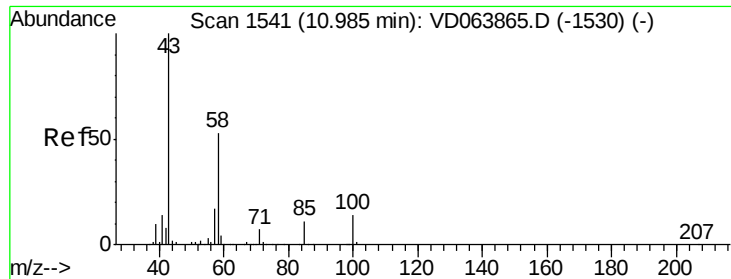
MMDadoda
 10/3/2019 12:54:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 52.125 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD063863.D
 Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	24.3	36.5





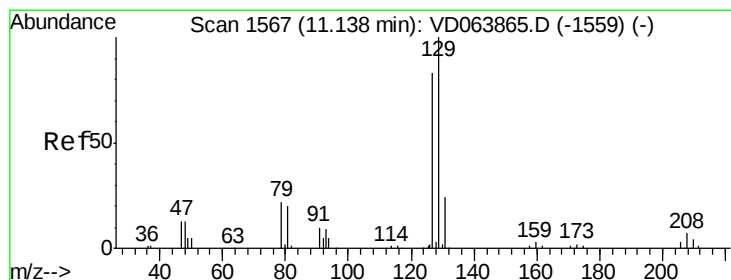
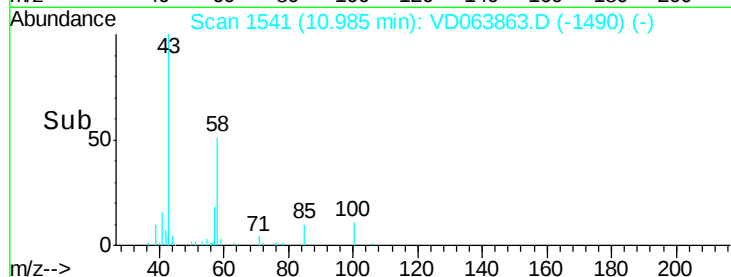
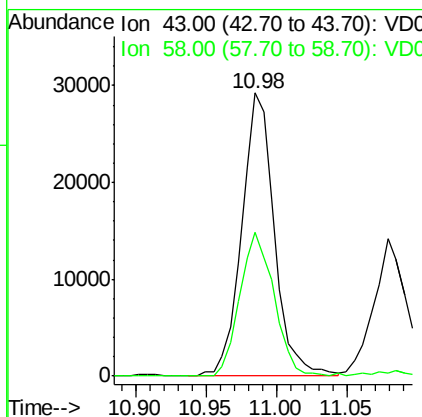
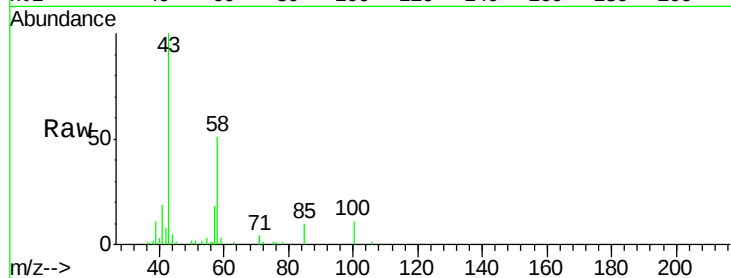
#59
2-Hexanone
Concen: 55.973 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 47386
Ion Ratio Lower Upper
43 100
58 53.1 27.7 83.0

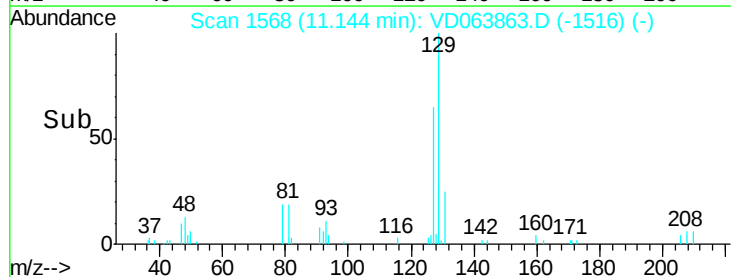
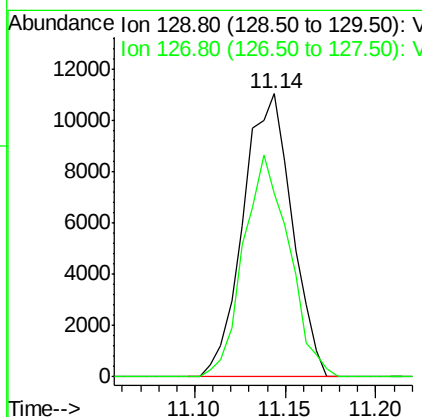
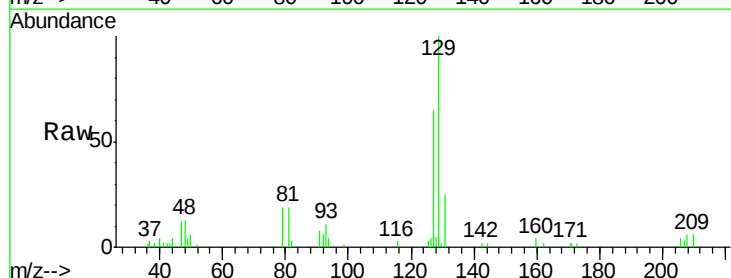
Manual Integrations
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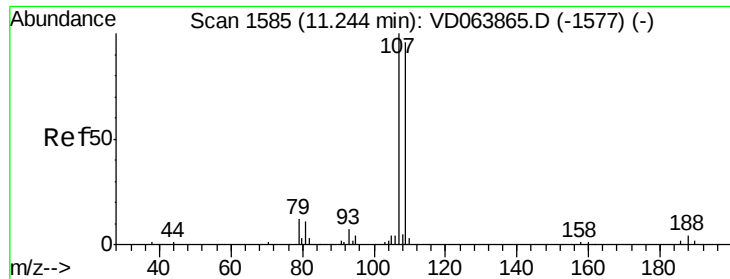
MMDadoda
10/3/2019 12:54:54 PM



#60
Dibromochloromethane
Concen: 10.499 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion: 129 Resp: 20699
Ion Ratio Lower Upper
129 100
127 73.2 39.9 119.6





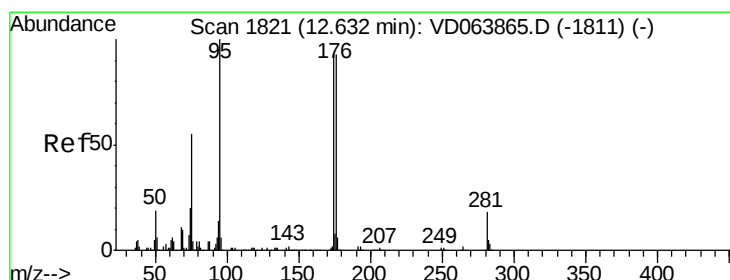
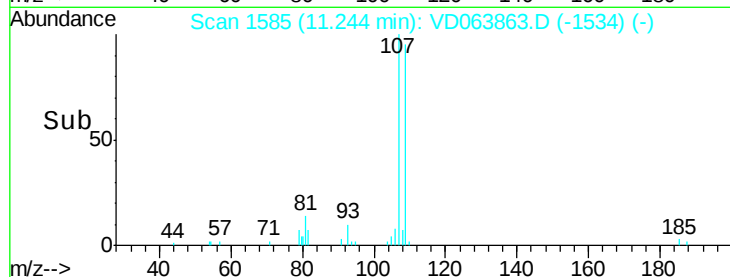
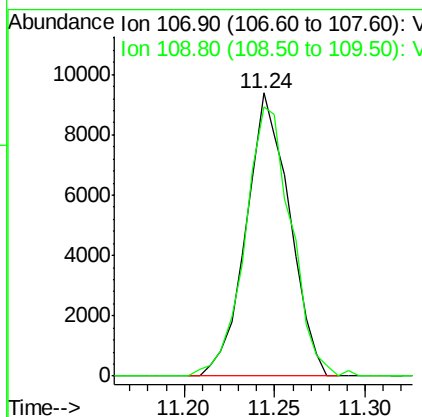
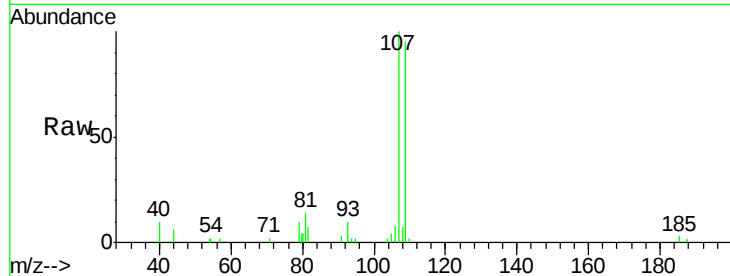
#61
1,2-Dibromoethane
Concen: 10.432 ug/l
RT: 11.24 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 107 Resp: 15620
Ion Ratio Lower Upper
107 100
109 101.3 75.2 112.8

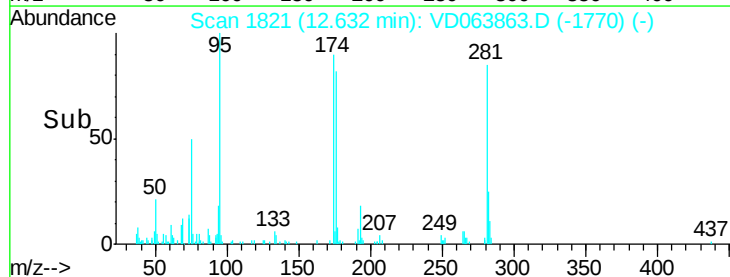
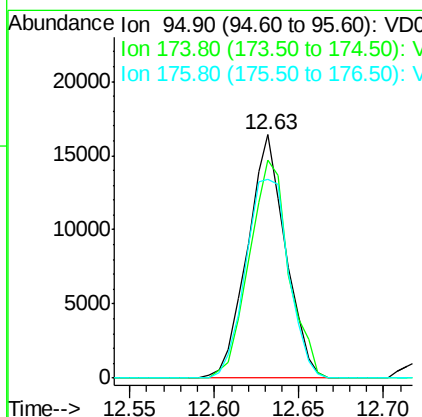
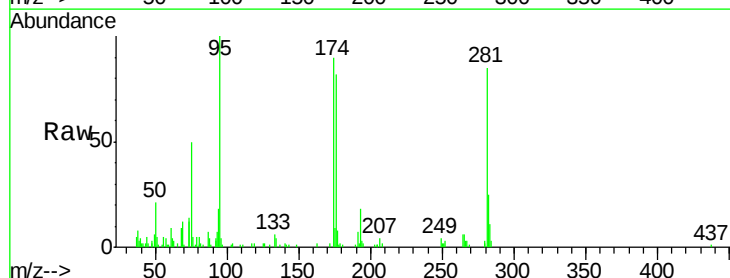
Manual Integrations
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10/3/2019 12:54:54 PM



#62
4-Bromofluorobenzene
Concen: 9.924 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion: 95 Resp: 25741
Ion Ratio Lower Upper
95 100
174 92.8 0.0 186.4
176 92.0 0.0 184.2





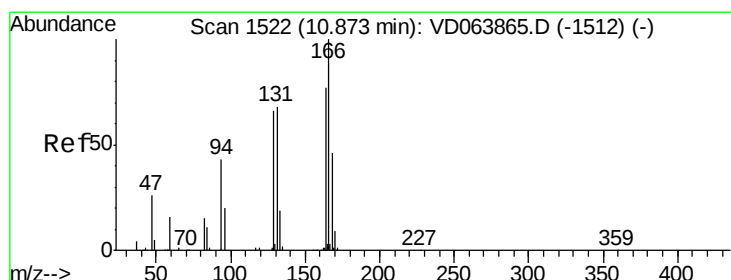
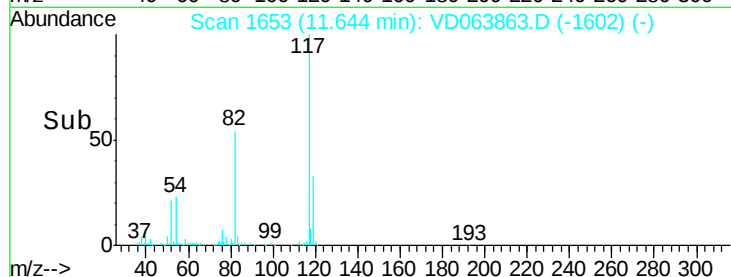
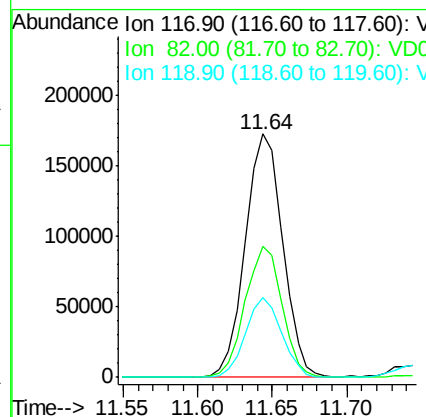
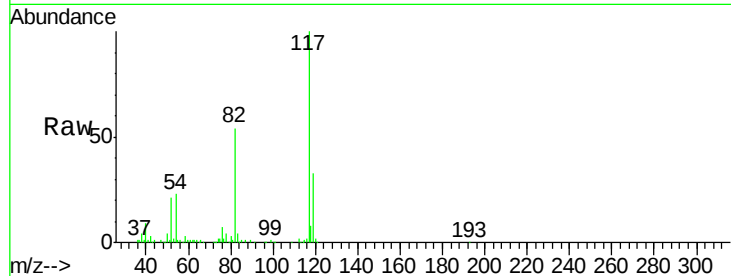
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299930		
82	53.5		42.8	64.2
119	32.6		24.4	36.6

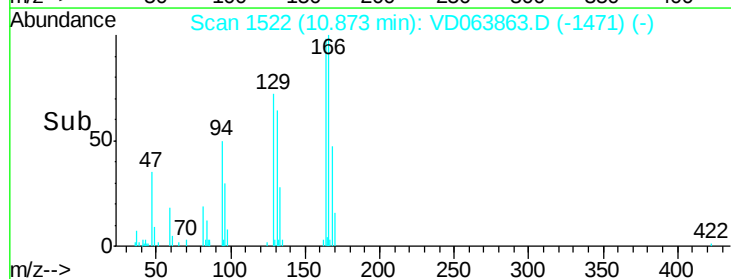
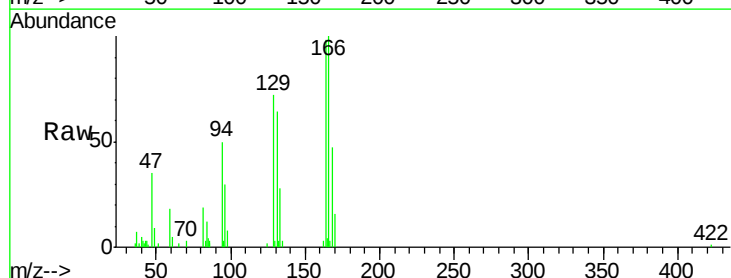
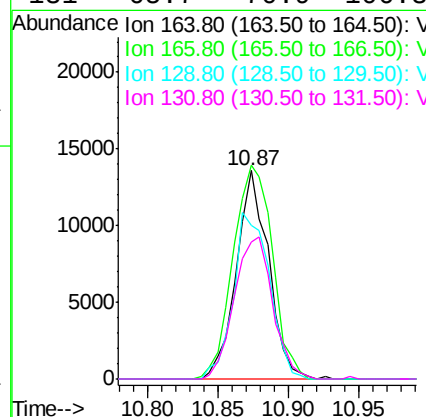
Manual Integrations
APPROVED

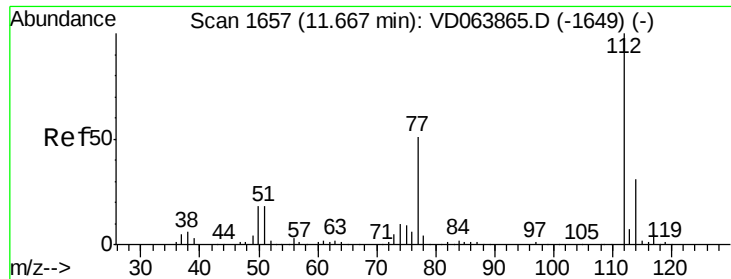
MMDadoda
10/3/2019 12:54:54 PM



#64
Tetrachloroethene
Concen: 10.845 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	21705		
166	102.4		103.8	155.6#
129	73.9		68.9	103.3
131	65.7		70.9	106.3#





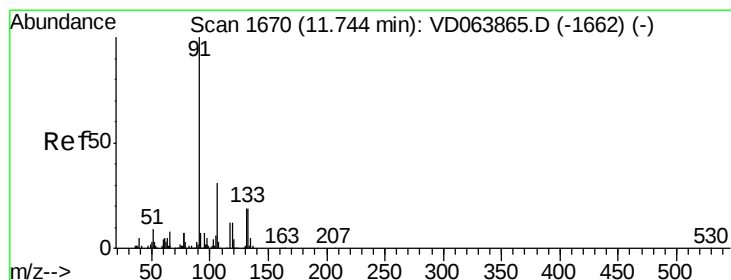
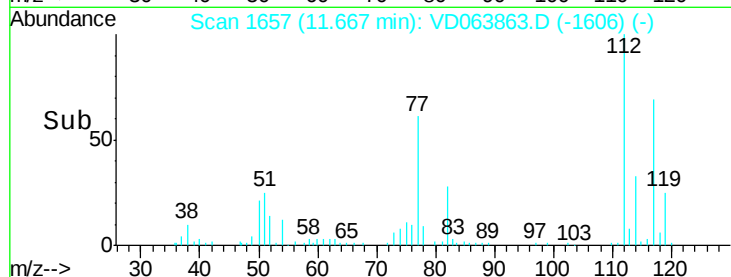
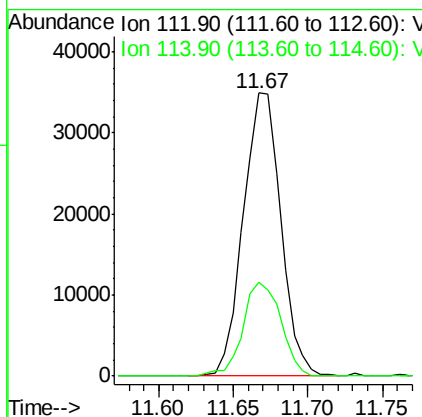
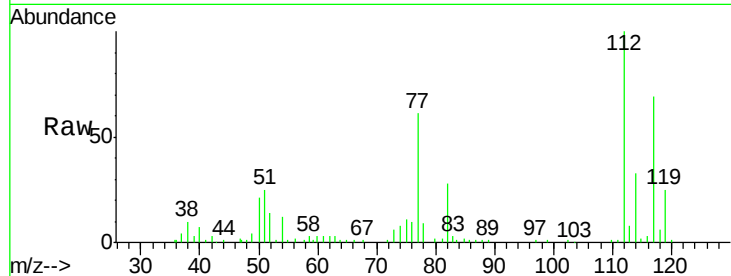
#65
Chlorobenzene
Concen: 10.133 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 60807
Ion Ratio Lower Upper
112 100
114 33.3 25.1 37.7

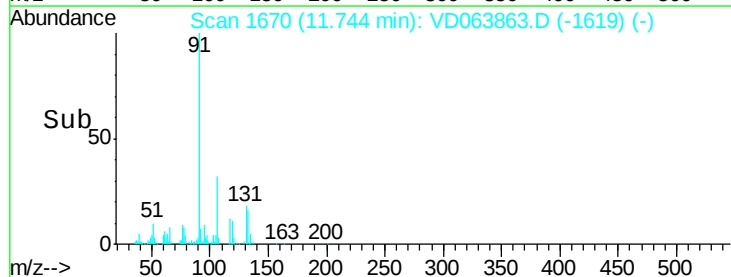
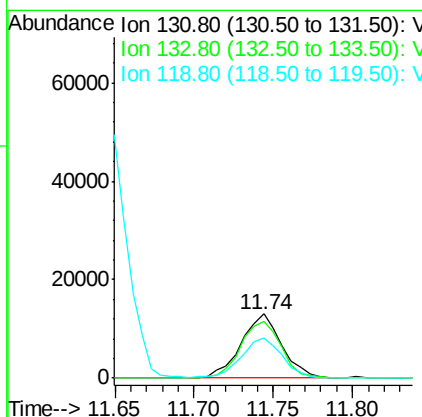
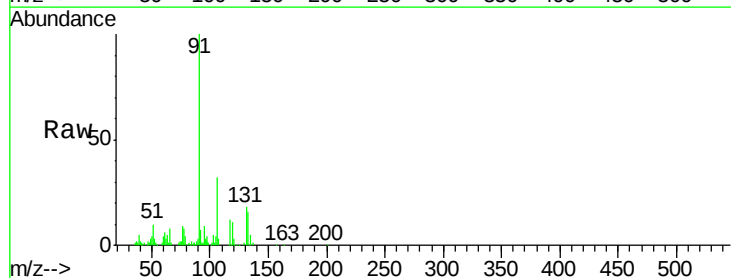
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.479 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion:131 Resp: 23073
Ion Ratio Lower Upper
131 100
133 88.8 48.9 146.7
119 63.3 32.6 97.8





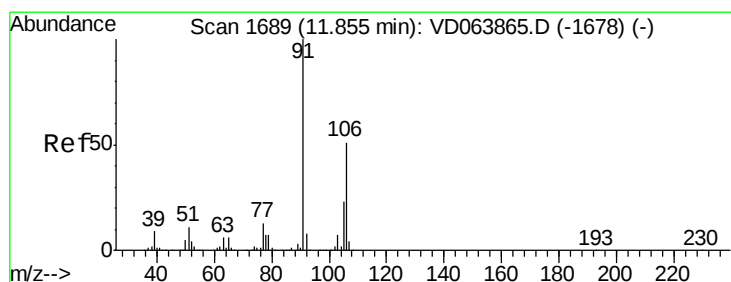
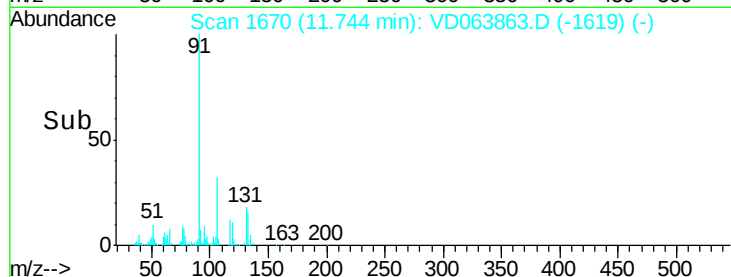
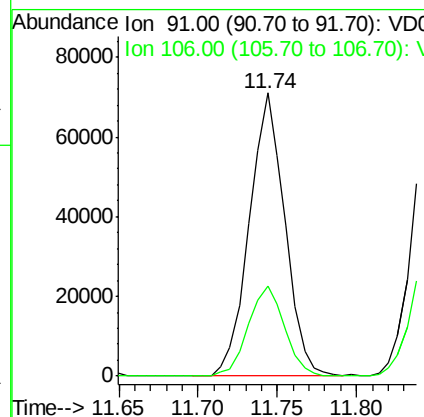
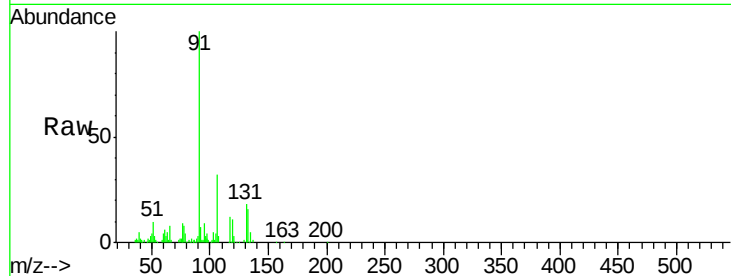
#67
Ethyl Benzene
Concen: 10.289 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.6	37.0

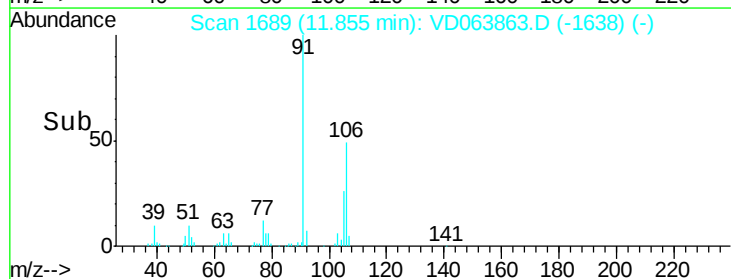
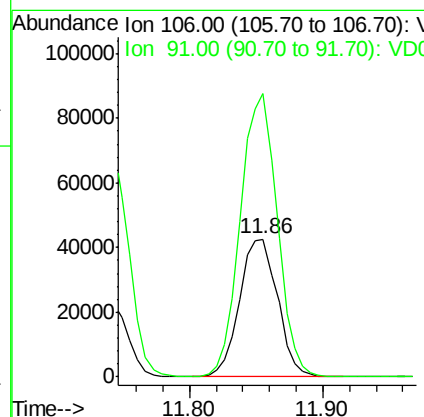
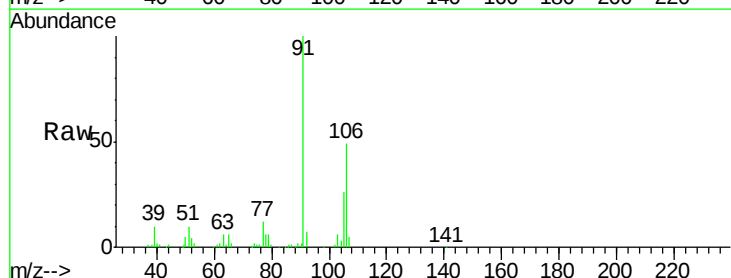
Manual Integrations
APPROVED

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10/3/2019 12:54:54 PM



#68
m/p-Xylenes
Concen: 20.202 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.7	154.8	232.2





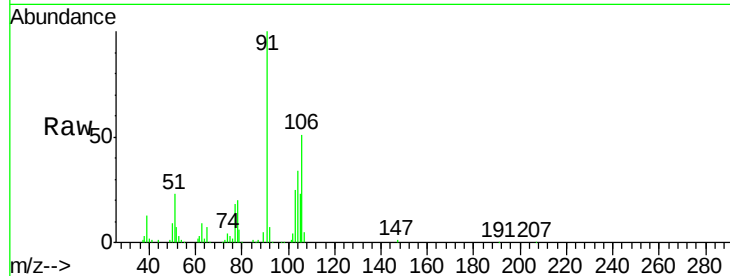
#69
o-Xylene
Concen: 10.674 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

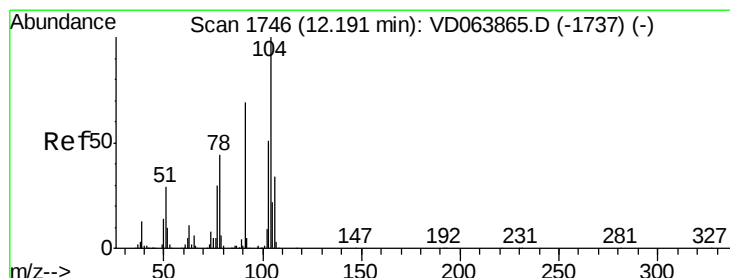
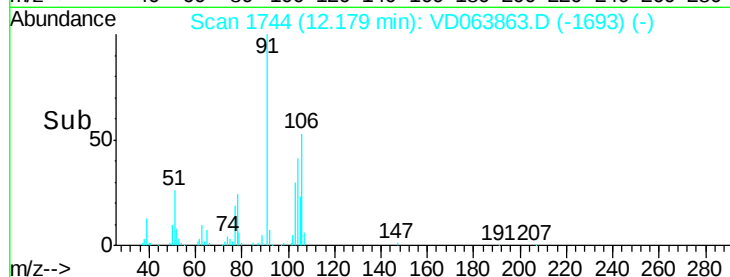
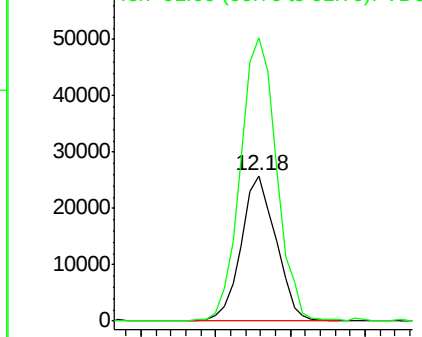
Tot Ion:106 Resp: 41818
Ion Ratio Lower Upper
106 100
91 202.0 103.9 311.7

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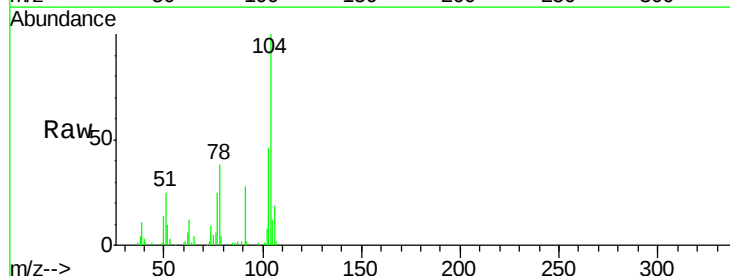


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

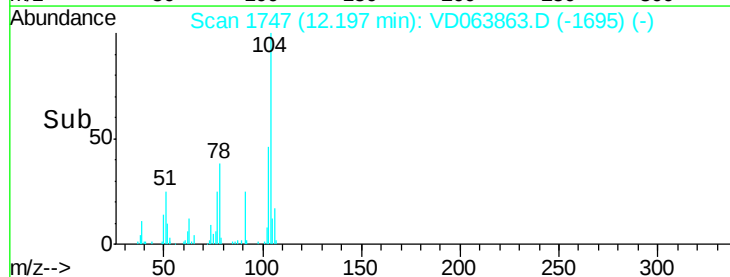
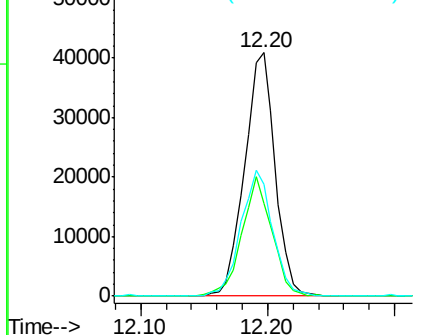


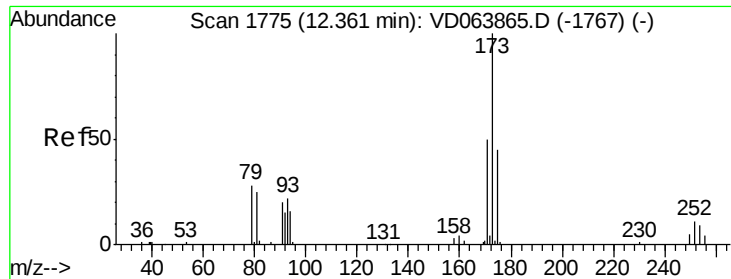
#70
Styrene
Concen: 10.281 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion:104 Resp: 68414
Ion Ratio Lower Upper
104 100
78 47.9 37.0 55.4
103 53.8 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





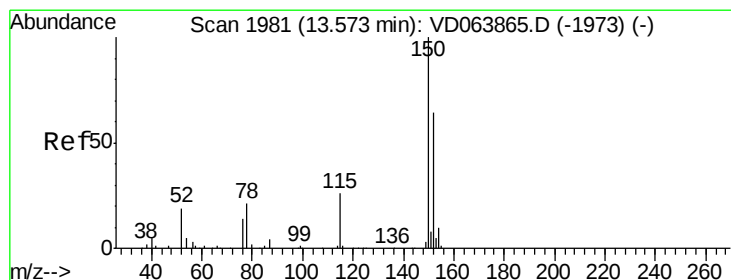
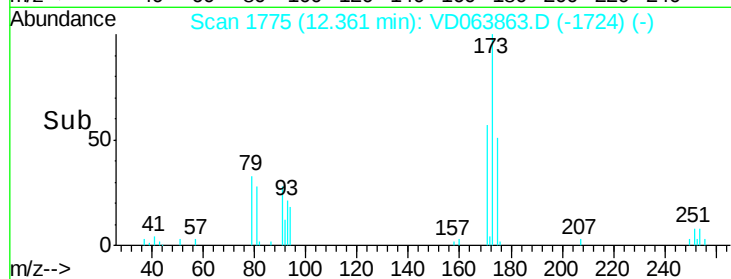
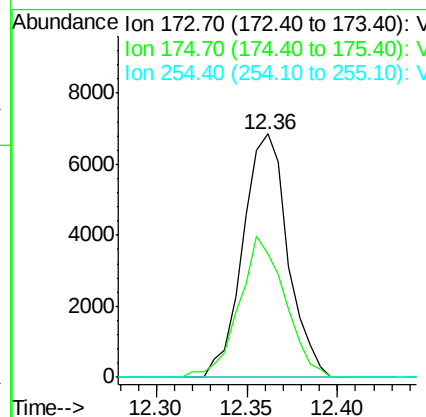
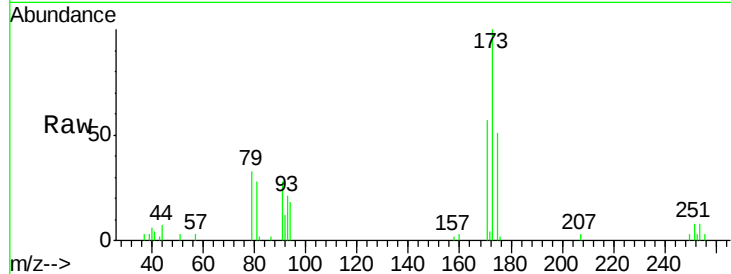
#71
Bromoform
Concen: 9.695 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	59.2	24.6	74.0
254	0.0	0.0	0.0

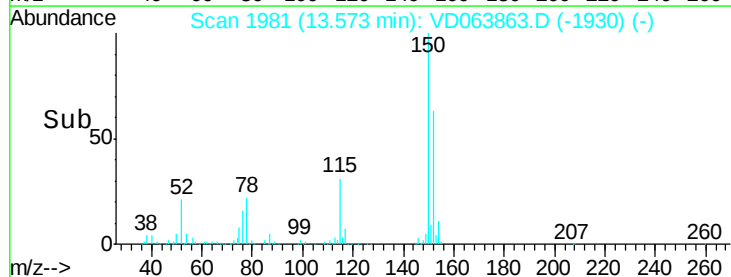
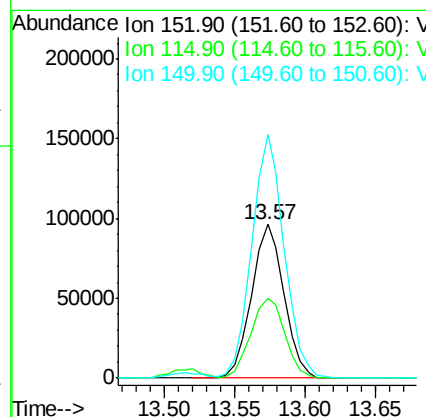
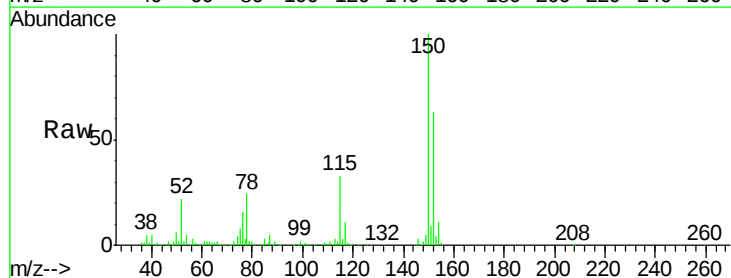
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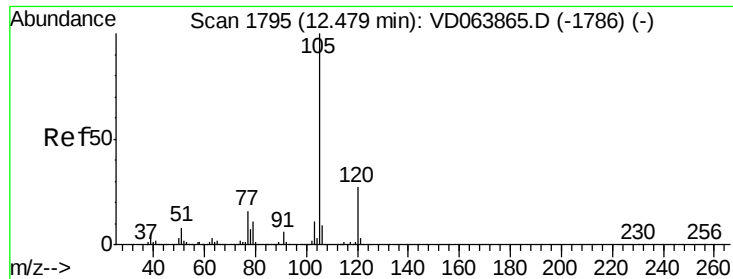
MMDadoda
10/3/2019 12:54:54 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	25.9	77.7
150	158.1	0.0	344.2





#73

Isopropylbenzene

Concen: 10.311 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 108530

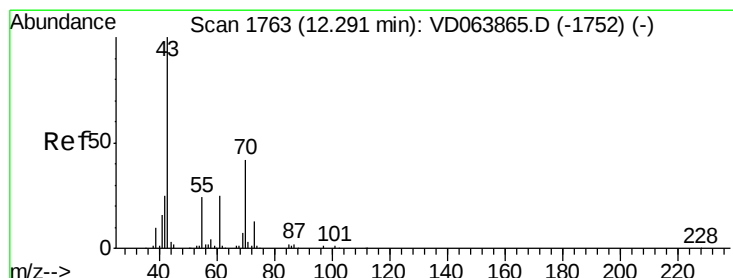
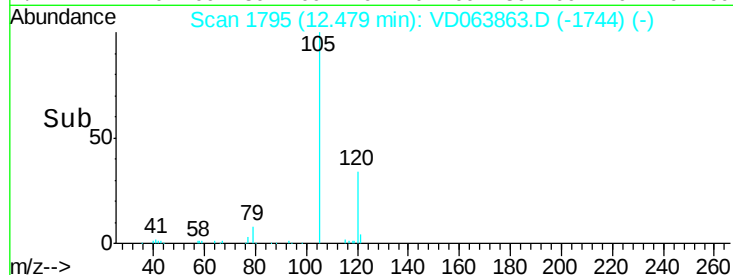
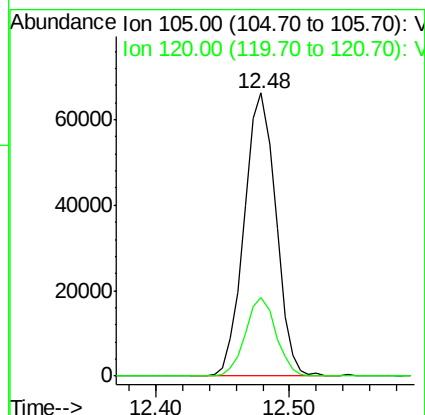
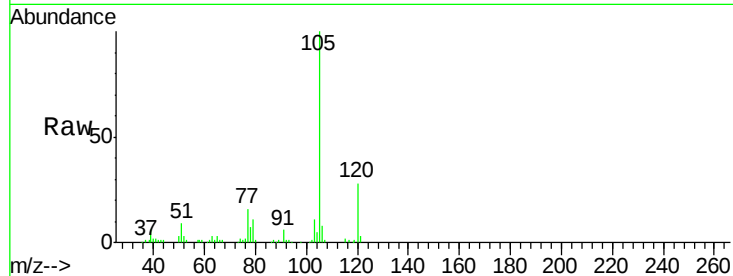
Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.8

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#74

N-ethyl acetate

Concen: 11.449 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Tgt Ion: 43 Resp: 26463

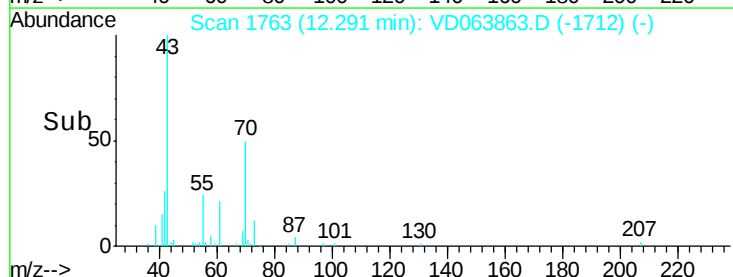
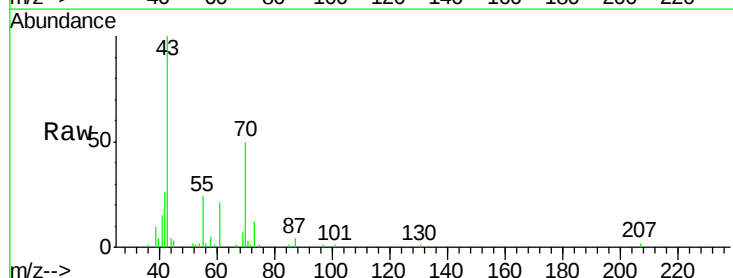
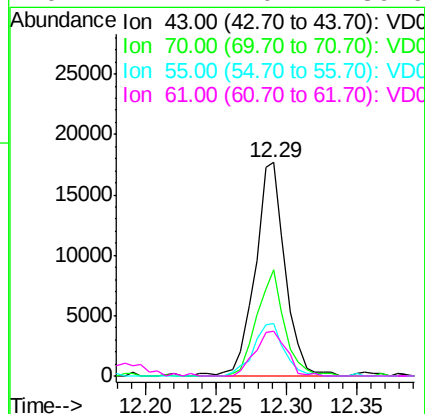
Ion Ratio Lower Upper

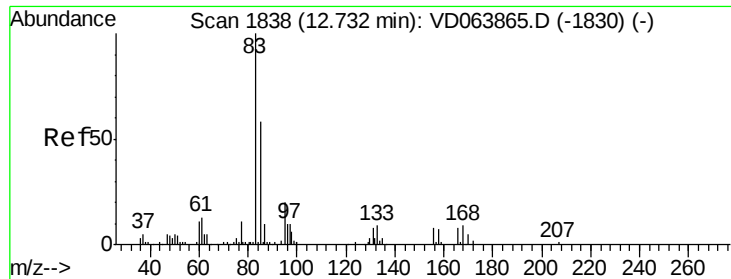
43 100

70 45.8 35.8 53.6

55 25.1 19.4 29.0

61 22.1 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 12.233 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

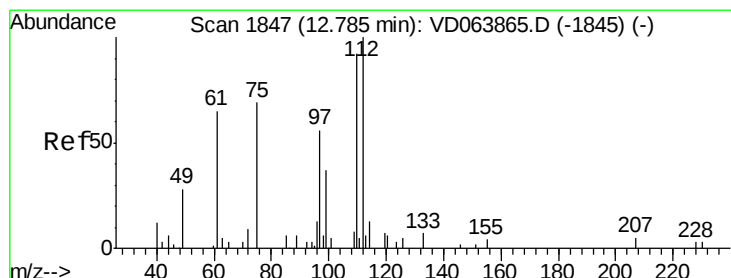
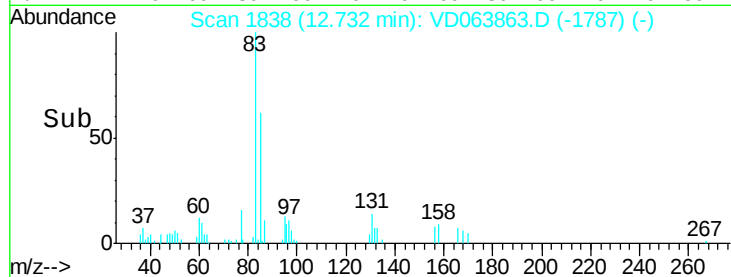
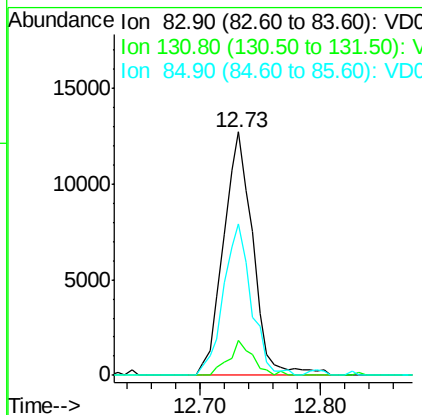
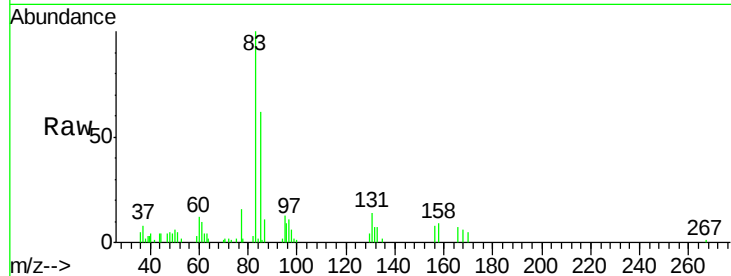
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	21549
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.6	16.8
85	58.6	32.3	96.8

Manual Integrations
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10/3/2019 12:54:54 PM



#76

1,2,3-Trichloropropane

Concen: 8.678 ug/l m

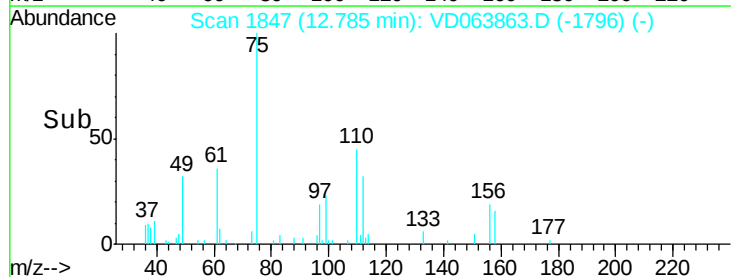
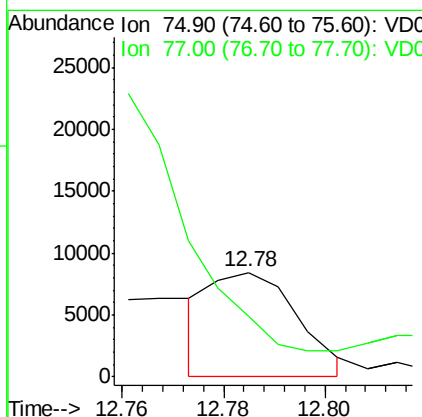
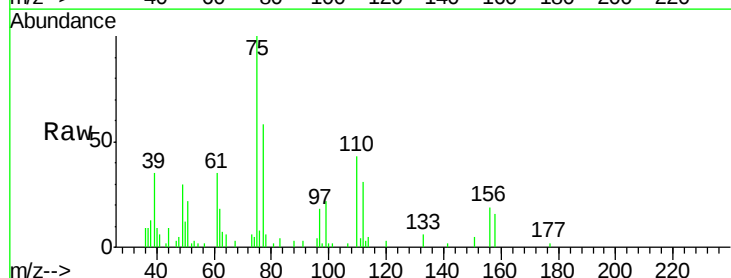
RT: 12.78 min Scan# 1847

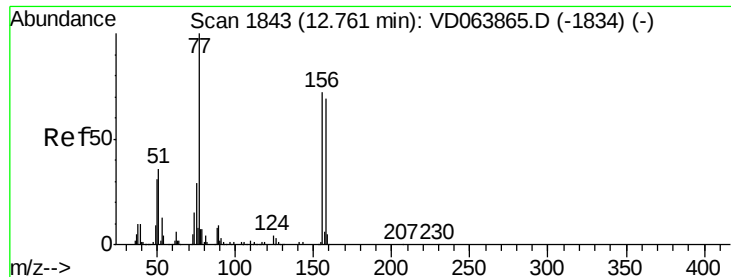
Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Tgt Ion:	75	Resp:	10184
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 10.450 ug/l

RT: 12.76 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

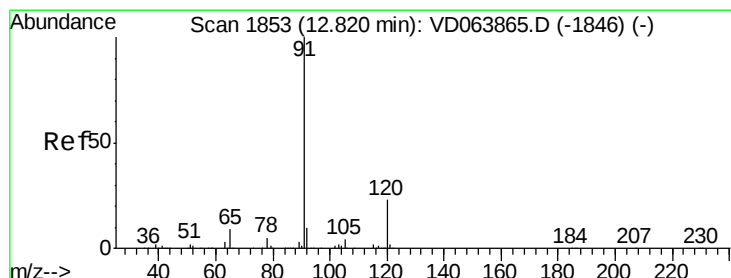
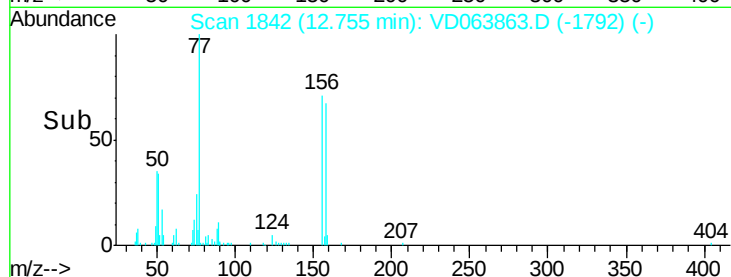
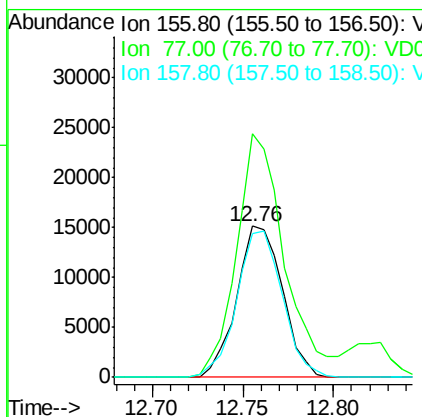
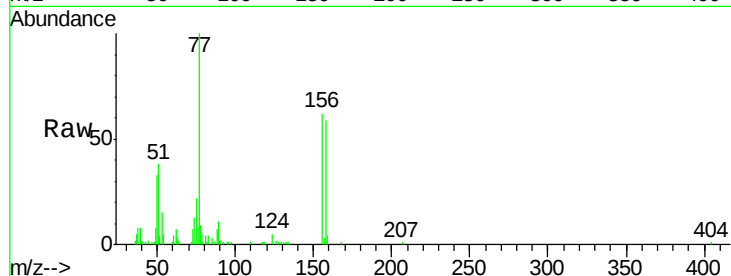
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	170.2	80.3	241.0	
158	96.7	47.4	142.2	

Manual Integrations
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10/3/2019 12:54:54 PM



#78

n-propylbenzene

Concen: 10.401 ug/l

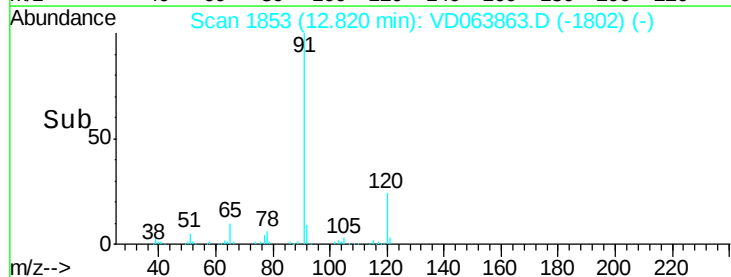
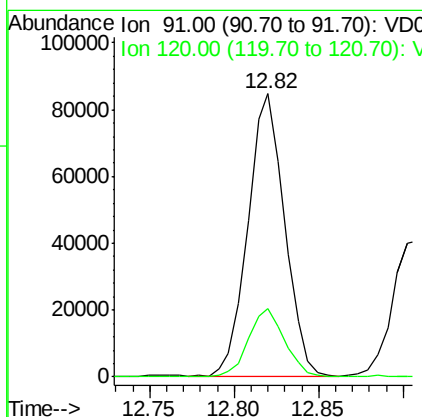
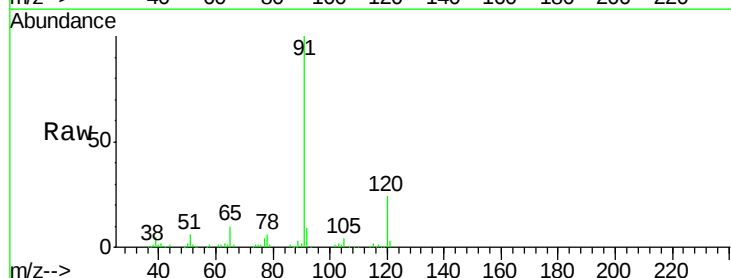
RT: 12.82 min Scan# 1853

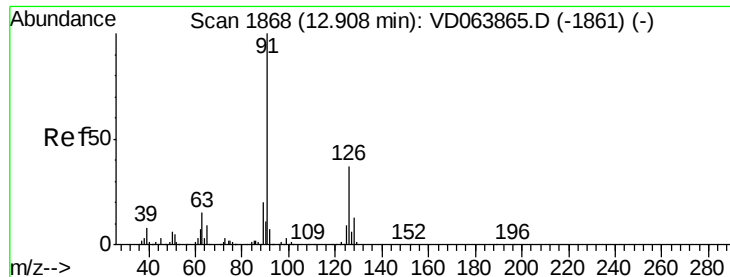
Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.8	12.0	36.0	





#79

2-Chlorotoluene

Concen: 10.634 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 71008

Ion Ratio Lower Upper

91 100

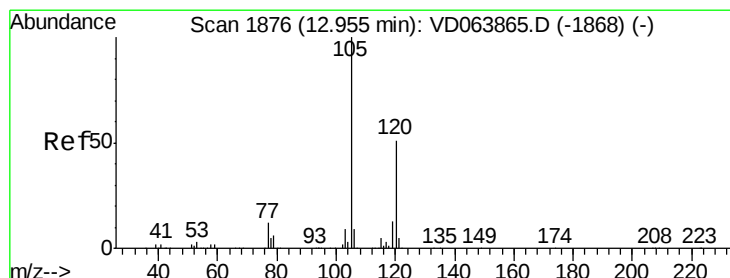
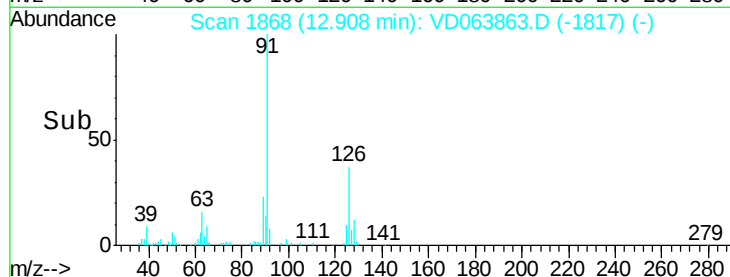
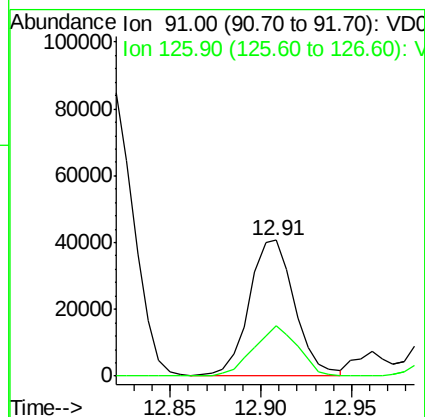
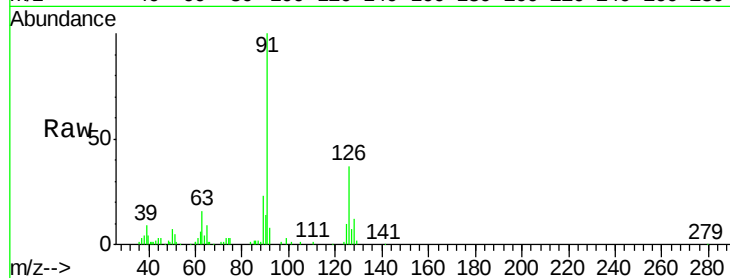
126 36.4 18.4 55.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 10.424 ug/l

RT: 12.96 min Scan# 1876

Delta R.T. 0.00 min

Lab File: VD063863.D

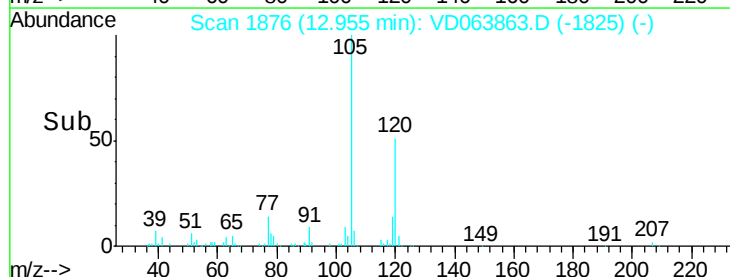
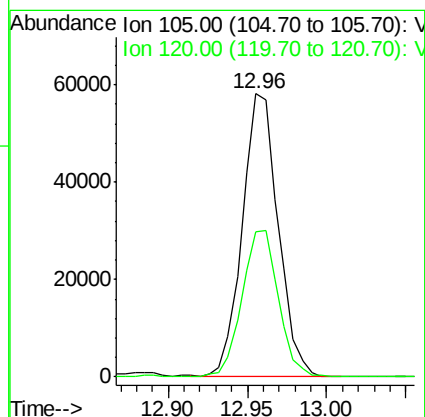
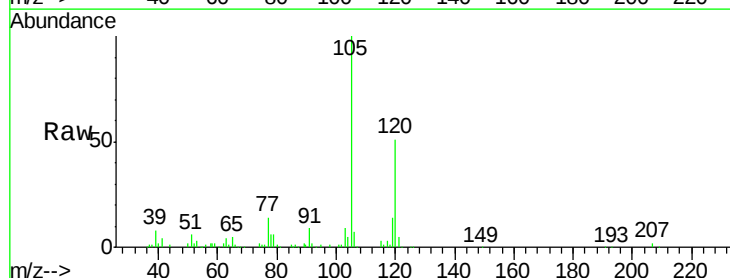
Acq: 02 Oct 2019 16:49

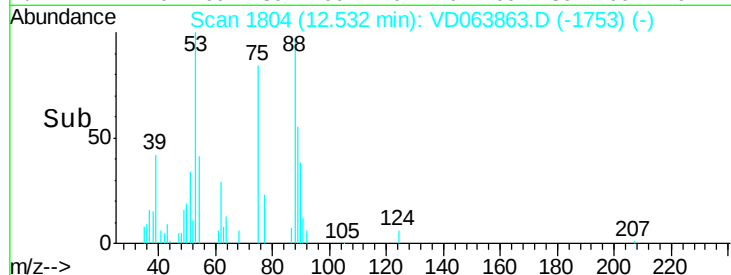
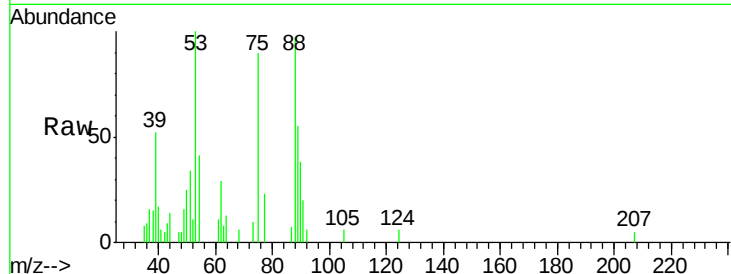
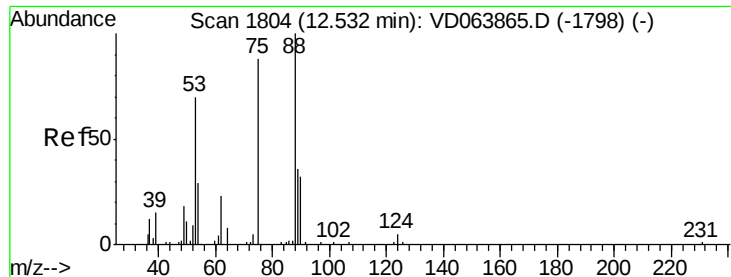
Tgt Ion: 105 Resp: 91409

Ion Ratio Lower Upper

105 100

120 52.5 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 9.358 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 5512

Ion Ratio Lower Upper

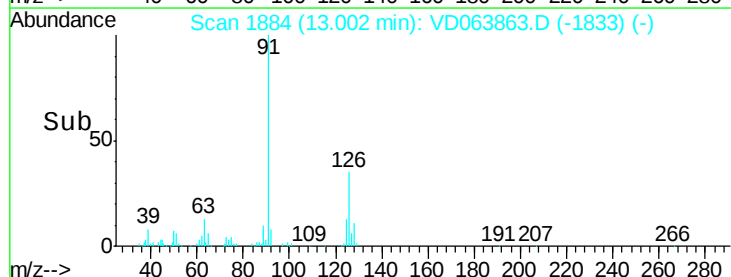
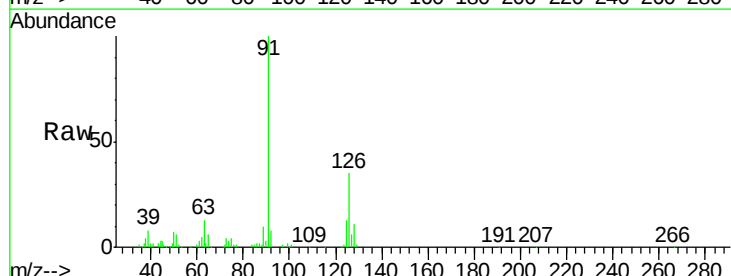
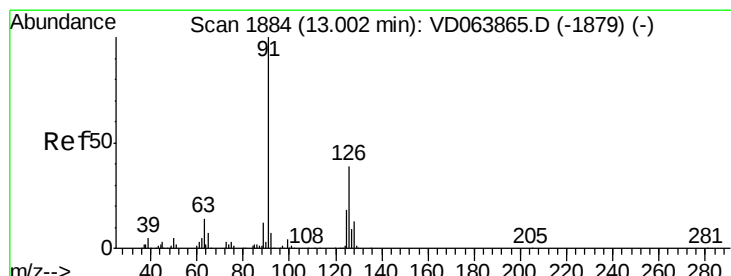
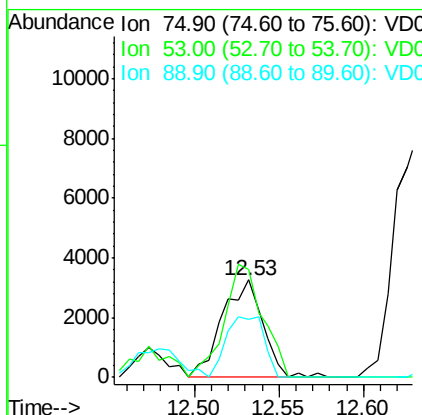
75 100

53 108.8 75.0 112.6

89 57.8 38.2 57.4#

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#82

4-Chlorotoluene

Concen: 10.682 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VD063863.D

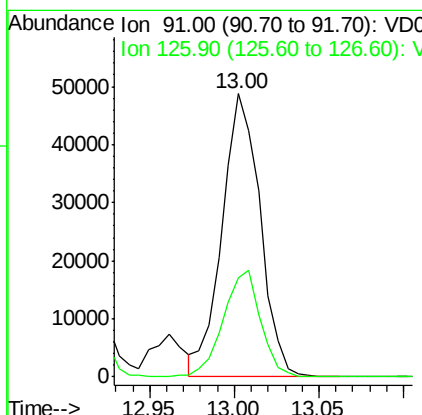
Acq: 02 Oct 2019 16:49

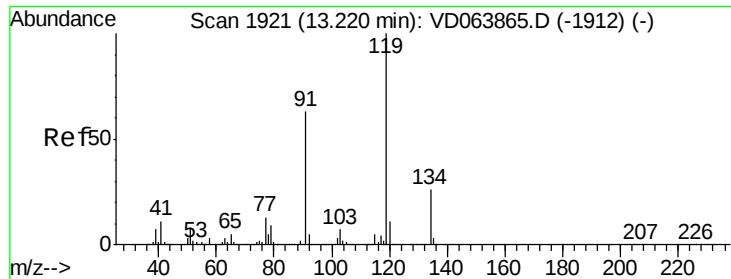
Tgt Ion: 91 Resp: 76368

Ion Ratio Lower Upper

91 100

126 37.3 18.6 55.8





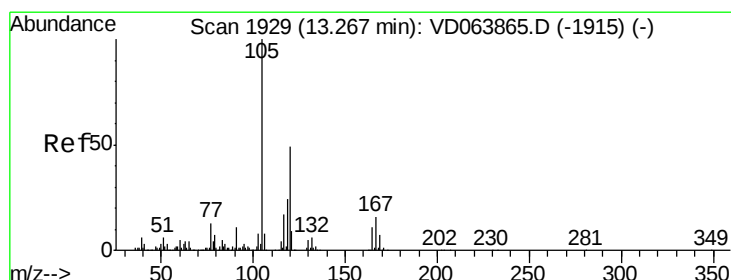
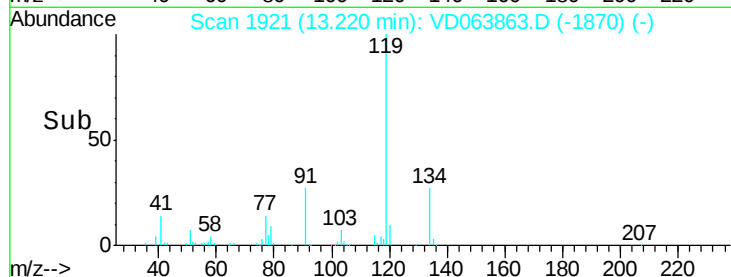
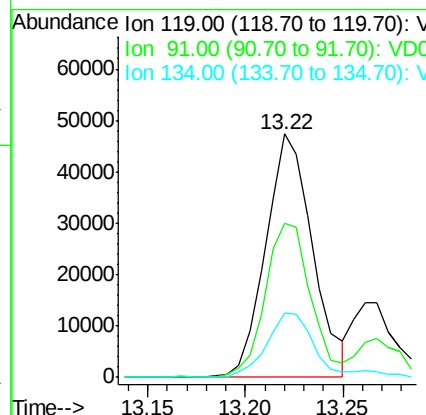
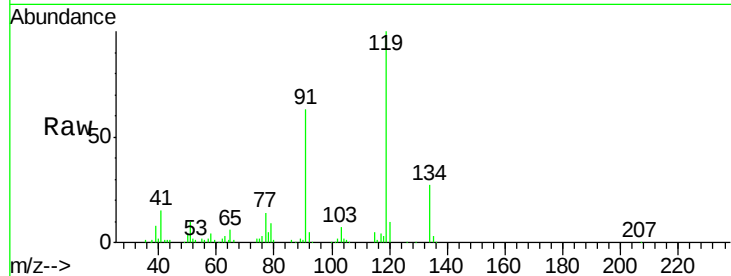
#83
tert-Butylbenzene
Concen: 10.234 ug/l
RT: 13.22 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	30.0	90.0
134	26.2	13.0	38.9

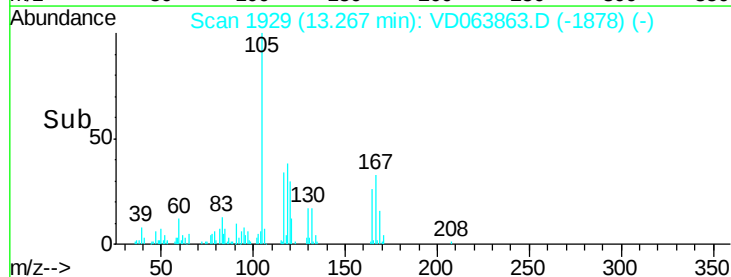
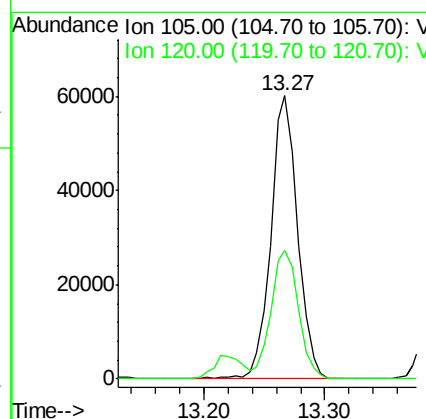
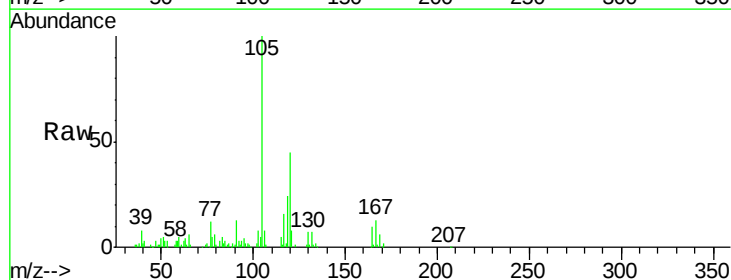
Manual Integrations
APPROVED

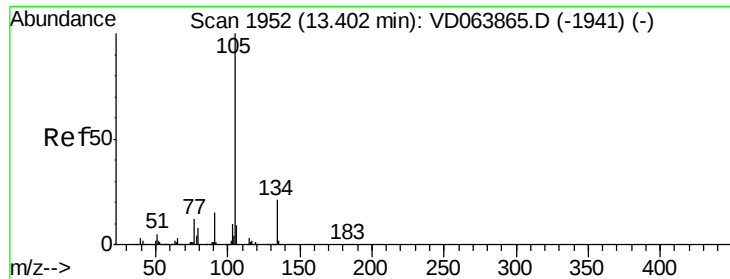
MMDadoda
10/3/2019 12:54:54 PM



#84
1,2,4-Trimethylbenzene
Concen: 10.400 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.8	71.5





#85

sec-Butylbenzene

Concen: 10.353 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 110387

Ion Ratio Lower Upper

105 100

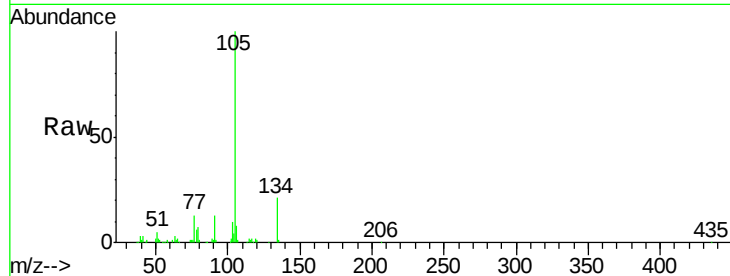
134 19.6 10.6 31.8

Manual Integrations

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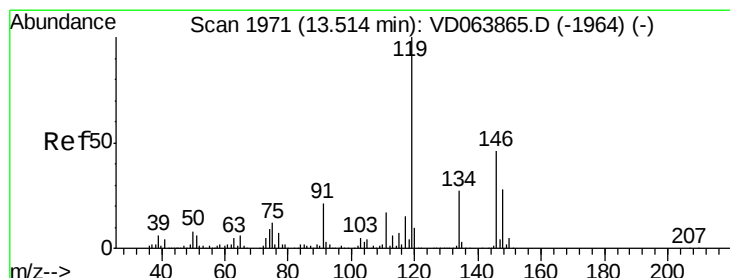
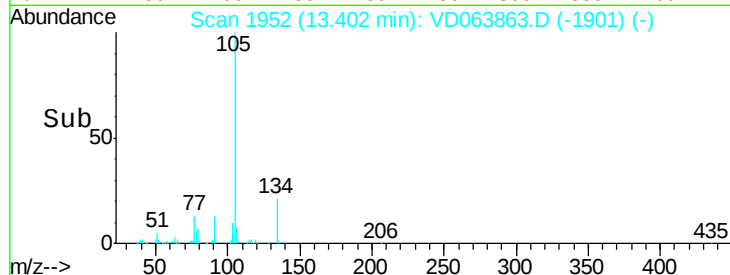
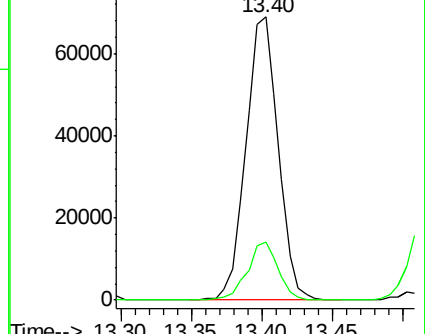
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.204 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

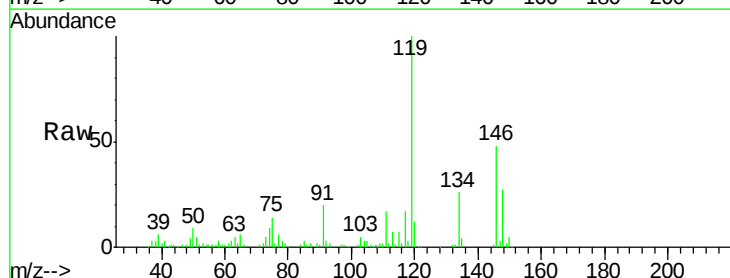
Tgt Ion:119 Resp: 101919

Ion Ratio Lower Upper

119 100

134 26.9 13.9 41.6

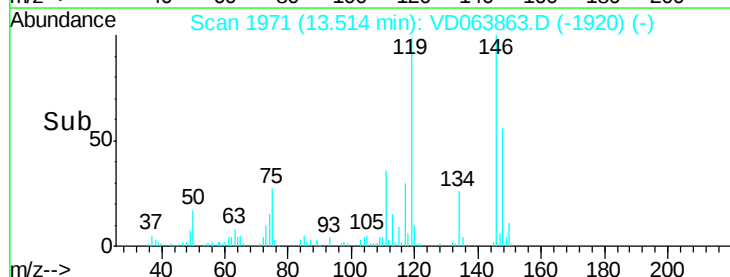
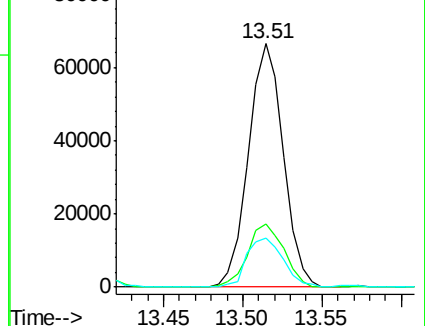
91 21.2 11.2 33.5

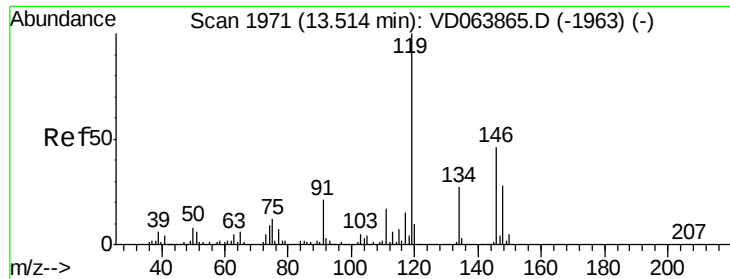


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 10.445 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

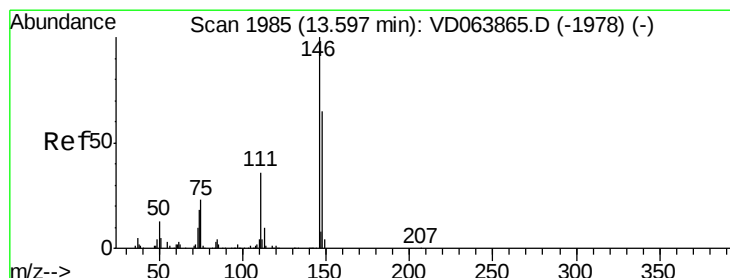
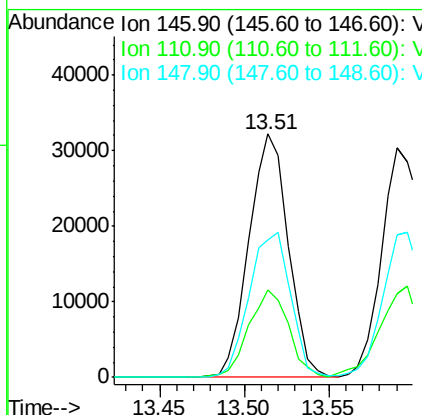
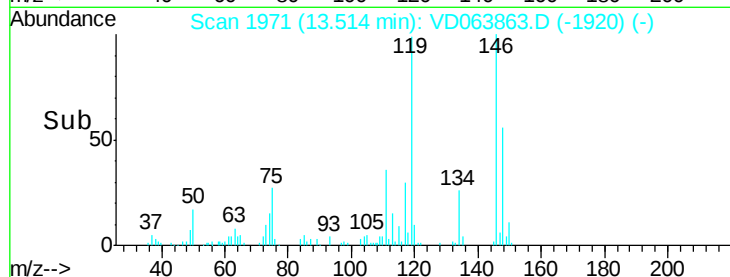
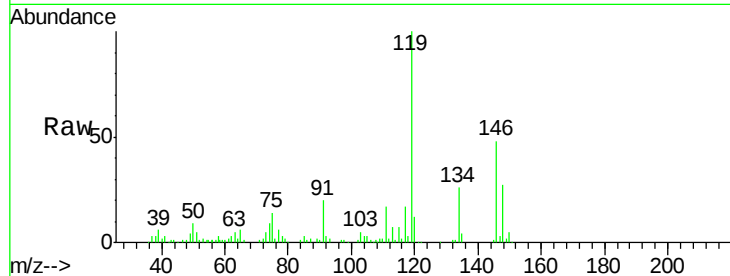
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	52057
Ion Ratio	Lower	Upper	
146	100		
111	36.5	18.3	54.9
148	62.7	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 10.554 ug/l

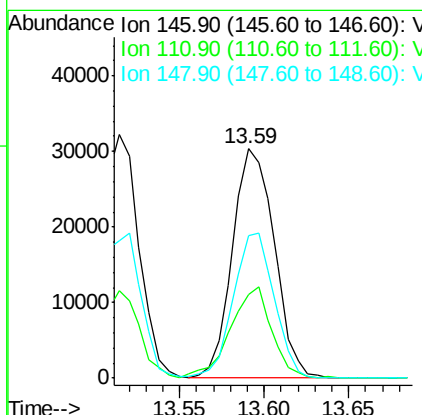
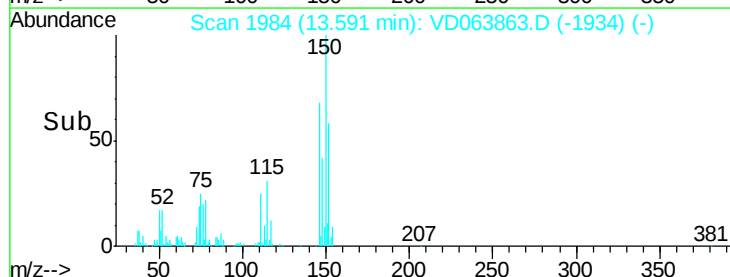
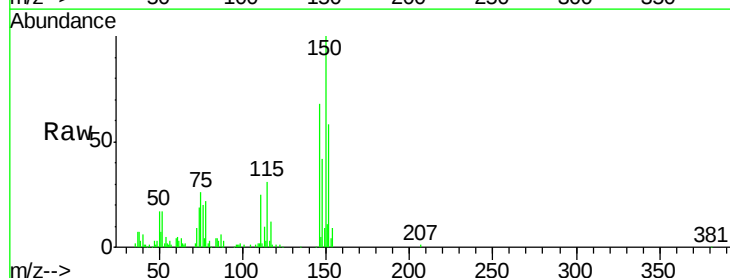
RT: 13.59 min Scan# 1984

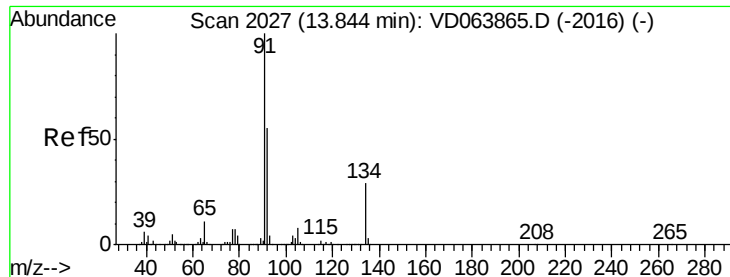
Delta R.T. -0.01 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Tgt Ion:	146	Resp:	52500
Ion Ratio	Lower	Upper	
146	100		
111	39.2	18.6	56.0
148	61.6	32.6	98.0





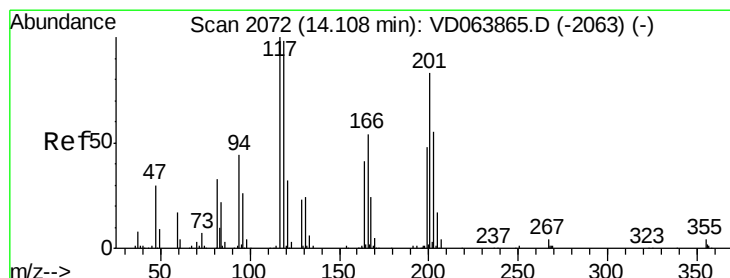
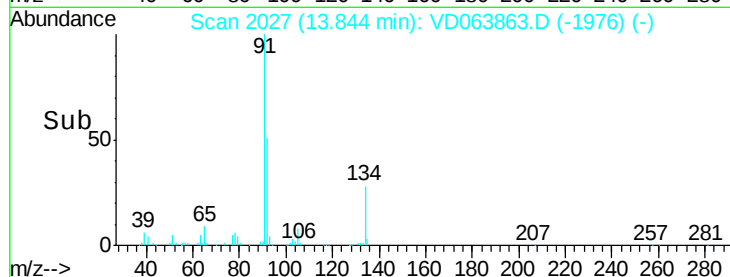
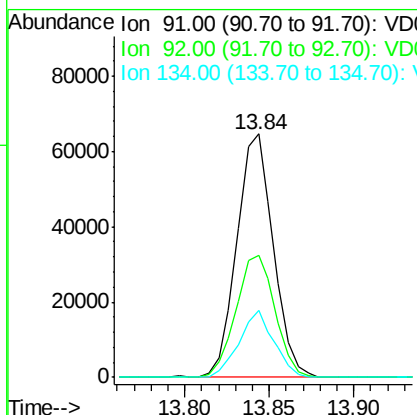
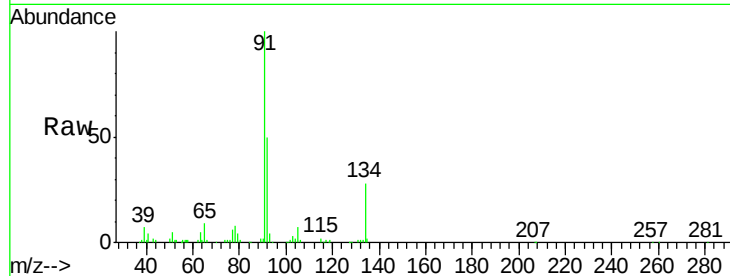
#89
n-Butylbenzene
Concen: 10.220 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.3
134	26.2	14.4	43.0

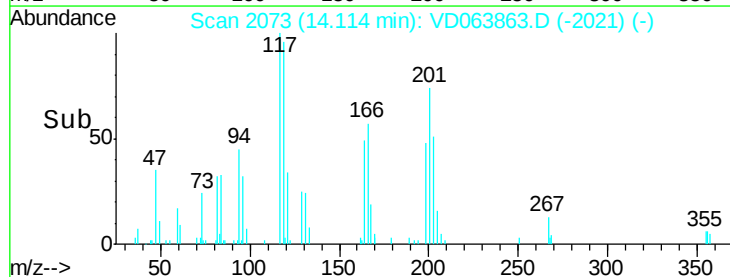
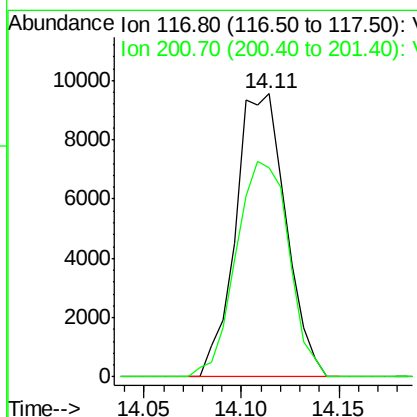
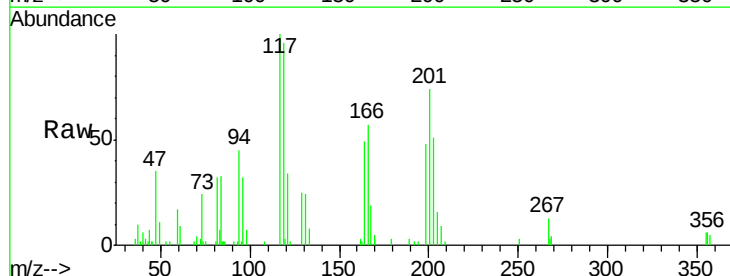
Manual Integrations
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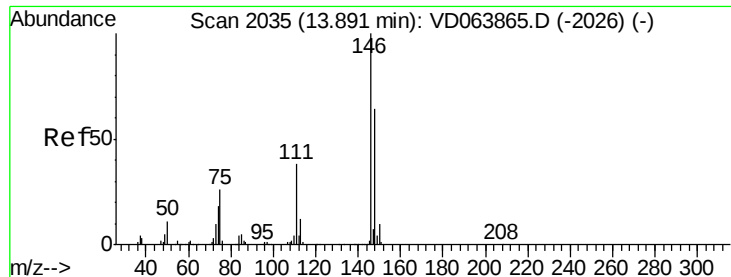
MMDadoda
10/3/2019 12:54:54 PM



#90
Hexachloroethane
Concen: 9.236 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063863.D
Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	40.6	121.7





#91

1,2-Dichlorobenzene

Concen: 10.750 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

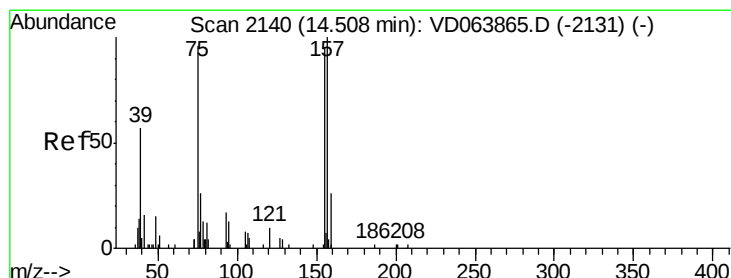
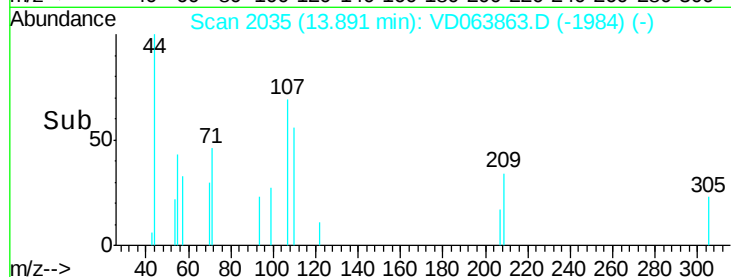
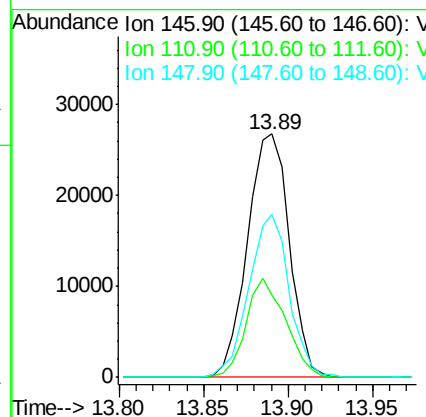
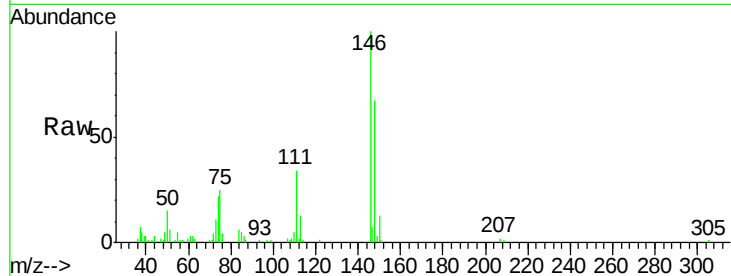
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	46152
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.6	55.6
148	64.5	31.6	95.0

Manual Integrations
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10/3/2019 12:54:54 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 11.890 ug/l

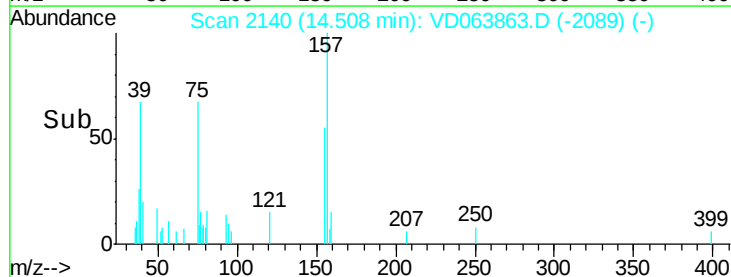
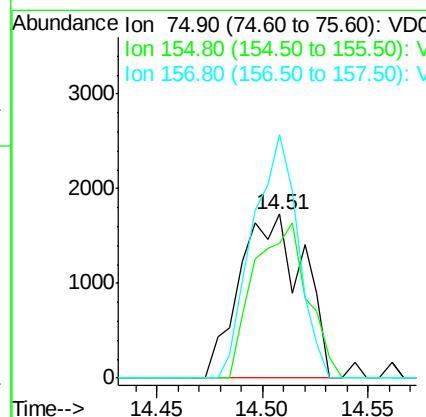
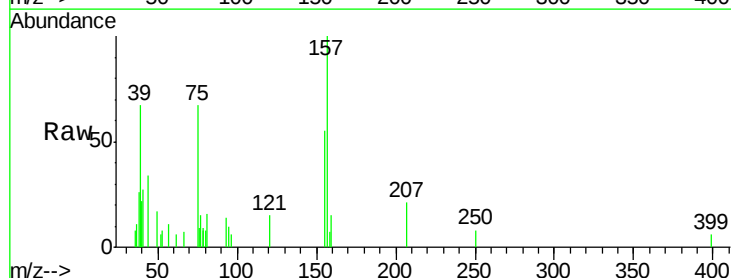
RT: 14.51 min Scan# 2140

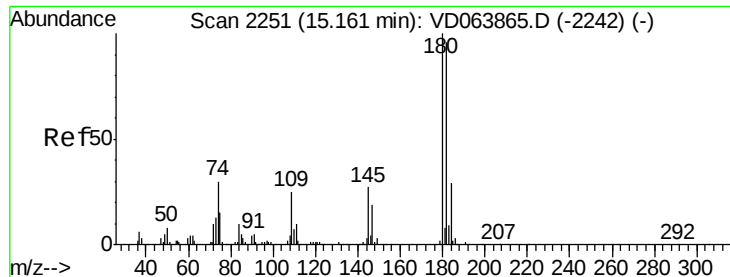
Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Tgt Ion:	75	Resp:	3614
Ion Ratio	Lower	Upper	
75	100		
155	79.4	43.9	131.6
157	106.2	56.0	167.9





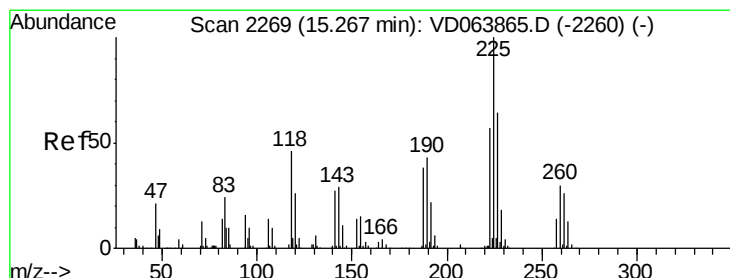
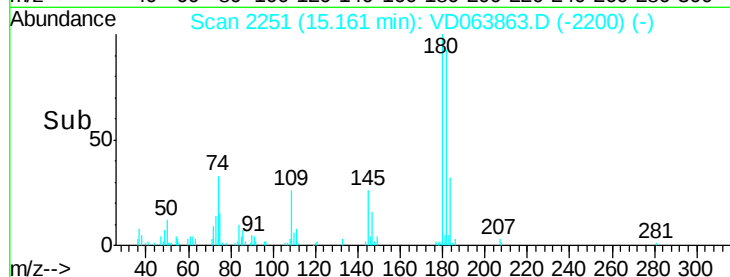
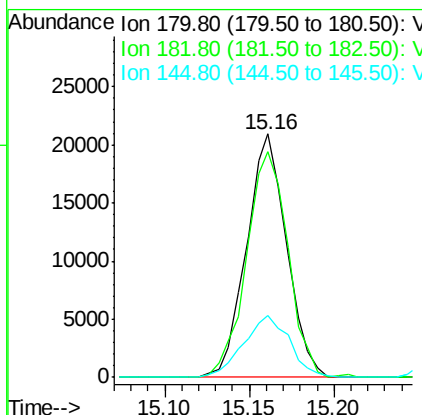
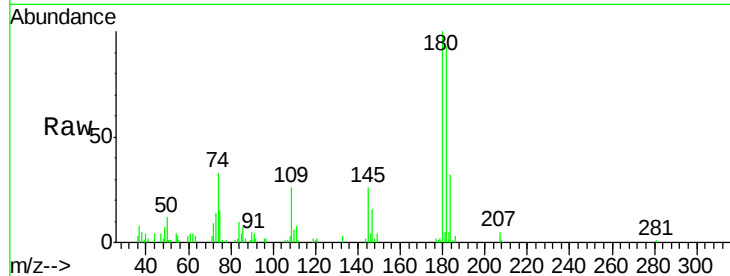
#93
 1,2,4-Trichlorobenzene
 Concen: 10.611 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VD063863.D
 Acq: 02 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.4	142.3
145	29.2	13.9	41.7

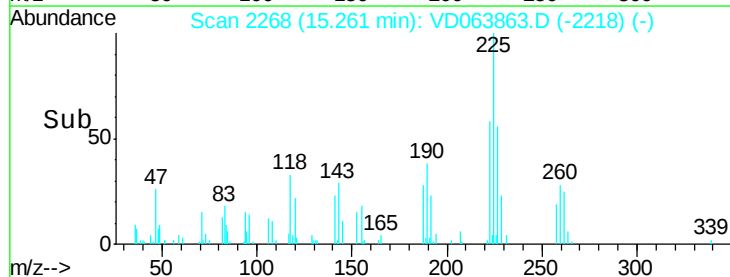
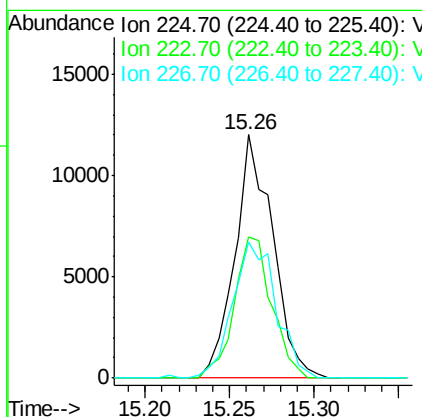
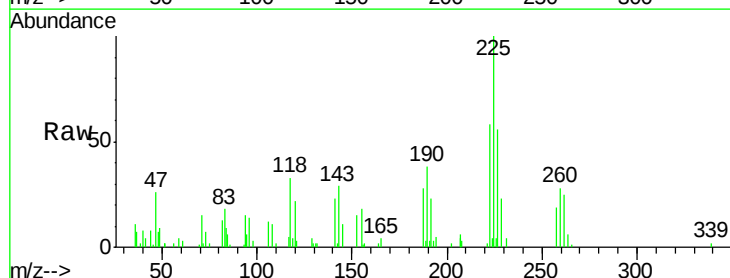
Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:54:54 PM



#94
 Hexachlorobutadiene
 Concen: 10.207 ug/l
 RT: 15.26 min Scan# 2268
 Delta R.T. -0.01 min
 Lab File: VD063863.D
 Acq: 02 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.2	29.5	88.6
227	64.1	30.8	92.4





#95

Naphthalene

Concen: 9.903 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Instrument :

MSVOA_D

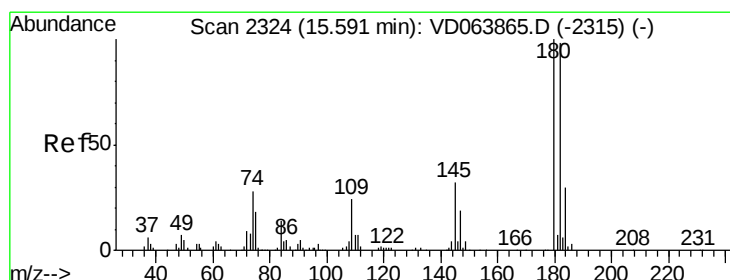
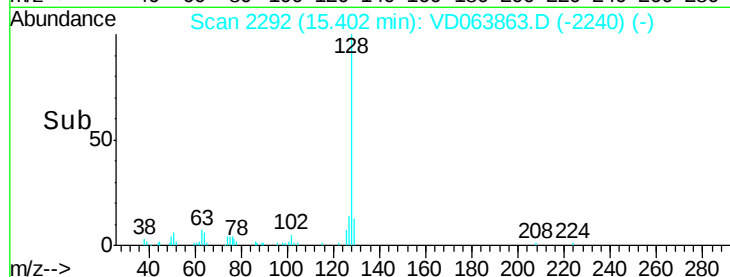
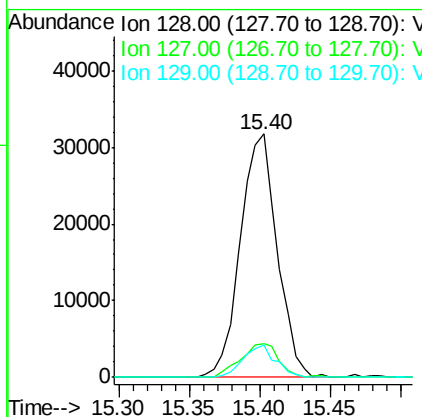
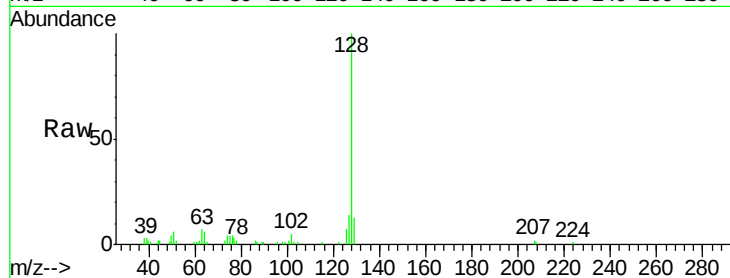
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	58006
Ion Ratio	Lower	Upper	
128	100		
127	14.5	10.6	16.0
129	11.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:54:54 PM



#96

1,2,3-Trichlorobenzene

Concen: 10.337 ug/l

RT: 15.59 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VD063863.D

Acq: 02 Oct 2019 16:49

Tgt Ion:	180	Resp:	29816
Ion Ratio	Lower	Upper	
180	100		
182	86.6	47.0	141.0
145	31.7	15.3	45.9

