

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063873.D
 Acq On : 02 Oct 2019 21:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:55:55 PM

Quant Time: Oct 03 04:40:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	192294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	311482	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	321289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	173222	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	91403	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.92	113	90153	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
50) Toluene-d8	10.34	98	375576	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.63	95	127854	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56419	41.372	ug/l	93
3) Chloromethane	2.21	50	201525	55.160	ug/l	99
4) Vinyl Chloride	2.34	62	221468	50.248	ug/l	96
5) Bromomethane	2.77	94	130007	45.881	ug/l	97
6) Chloroethane	2.92	64	145243	49.829	ug/l	94
7) Trichlorofluoromethane	3.27	101	277522	47.624	ug/l	95
8) Diethyl Ether	3.71	74	45848	49.018	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	74791	46.366	ug/l	98
10) Methyl Iodide	4.29	142	109369	49.206	ug/l	99
11) Tert butyl alcohol	5.26	59	34269	263.932	ug/l #	71
12) 1,1-Dichloroethene	4.05	96	75176	46.647	ug/l	93
13) Acrolein	3.92	56	41471	248.022	ug/l	100
14) Allyl chloride	4.71	41	131865	49.215	ug/l	98
15) Acrylonitrile	5.43	53	104464	253.322	ug/l	98
16) Acetone	4.17	43	109594	224.847	ug/l	93
17) Carbon Disulfide	4.40	76	277196	47.317	ug/l	97
18) Methyl Acetate	4.72	43	46194	48.455	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	211893	50.775	ug/l	96
20) Methylene Chloride	4.96	84	112820	52.304	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	99938	49.814	ug/l	93
22) Diisopropyl ether	6.37	45	286252	52.311	ug/l	97
23) Vinyl Acetate	6.31	43	846859	260.149	ug/l	98
24) 1,1-Dichloroethane	6.27	63	170238	50.507	ug/l	97
25) 2-Butanone	7.23	43	140224	242.753	ug/l	92
26) 2,2-Dichloropropane	7.21	77	137619	45.135	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	112603	49.588	ug/l	98
28) Bromochloromethane	7.55	49	66864	52.097	ug/l	99
29) Tetrahydrofuran	7.57	42	82856	245.748	ug/l	100
30) Chloroform	7.71	83	182445	49.836	ug/l	95
31) Cyclohexane	7.98	56	143394	51.582	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	157661	50.205	ug/l	99
36) 1,1-Dichloropropene	8.11	75	137083	48.134	ug/l	99
37) Ethyl Acetate	7.30	43	59687	52.462	ug/l	99
38) Carbon Tetrachloride	8.10	117	135476	47.073	ug/l #	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162840	46.503	ug/l	93
40) Benzene	8.35	78	408047	49.997	ug/l	99
41) Methacrylonitrile	7.53	41	31422	47.588	ug/l	93
42) 1,2-Dichloroethane	8.43	62	119156	50.472	ug/l	99
43) Isopropyl Acetate	8.46	43	119583	50.068	ug/l	98
44) Trichloroethene	9.11	130	112975	48.004	ug/l	96
45) 1,2-Dichloropropane	9.39	63	99989	50.054	ug/l	93
46) Dibromomethane	9.48	93	57792	50.799	ug/l	98
47) Bromodichloromethane	9.67	83	144170	49.220	ug/l	99
48) Methyl methacrylate	9.46	41	55649	48.629	ug/l	93
49) 1,4-Dioxane	9.47	88	14844	955.879	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	308347	248.933	ug/l	96
52) Toluene	10.40	92	274448	48.986	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	144206	50.453	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	167983	51.056	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	80672	50.221	ug/l	97
56) Ethyl methacrylate	10.66	69	103185	50.725	ug/l	96
57) 1,3-Dichloropropane	10.95	76	144630	52.624	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	214601	245.433	ug/l	97
59) 2-Hexanone	10.98	43	221647	247.368	ug/l	97
60) Dibromochloromethane	11.14	129	104011	49.735	ug/l	97
61) 1,2-Dibromoethane	11.25	107	80627	51.774	ug/l	98
64) Tetrachloroethene	10.87	164	105160	47.945	ug/l	95
65) Chlorobenzene	11.67	112	319061	49.449	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	119870	50.418	ug/l	96
67) Ethyl Benzene	11.74	91	573311	49.275	ug/l	100
68) m/p-Xylenes	11.86	106	440766	98.149	ug/l	98
69) o-Xylene	12.18	106	210544	48.962	ug/l	97
70) Styrene	12.20	104	369314	50.733	ug/l	99
71) Bromoform	12.36	173	66128	51.826	ug/l #	99
73) Isopropylbenzene	12.48	105	549411	47.181	ug/l	98
74) N-amyl acetate	12.29	43	117390	46.822	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	94341	46.557	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	57923m	49.925	ug/l	
77) Bromobenzene	12.76	156	137576	47.420	ug/l	98
78) n-propylbenzene	12.82	91	656824	48.054	ug/l	100
79) 2-Chlorotoluene	12.91	91	363113	48.179	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	468038	48.177	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	29140	44.446	ug/l	95
82) 4-Chlorotoluene	13.00	91	386508	48.343	ug/l	100
83) tert-Butylbenzene	13.22	119	415341	48.038	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	480083	47.934	ug/l	99
85) sec-Butylbenzene	13.40	105	549274	47.042	ug/l	100
86) p-Isopropyltoluene	13.51	119	529144	47.891	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	278096	48.512	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	272809	48.239	ug/l	99
89) n-Butylbenzene	13.84	91	487460	47.397	ug/l	99
90) Hexachloroethane	14.11	117	96054	48.336	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	242829	49.154	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	15666	49.746	ug/l	90

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Instrument :
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ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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Quant Time: Oct 03 04:40:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 03 04:02:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	178672	46.872	ug/l	99
94) Hexachlorobutadiene	15.27	225	96049	45.661	ug/l	97
95) Naphthalene	15.40	128	321713	50.214	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	157805	47.982	ug/l	100

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

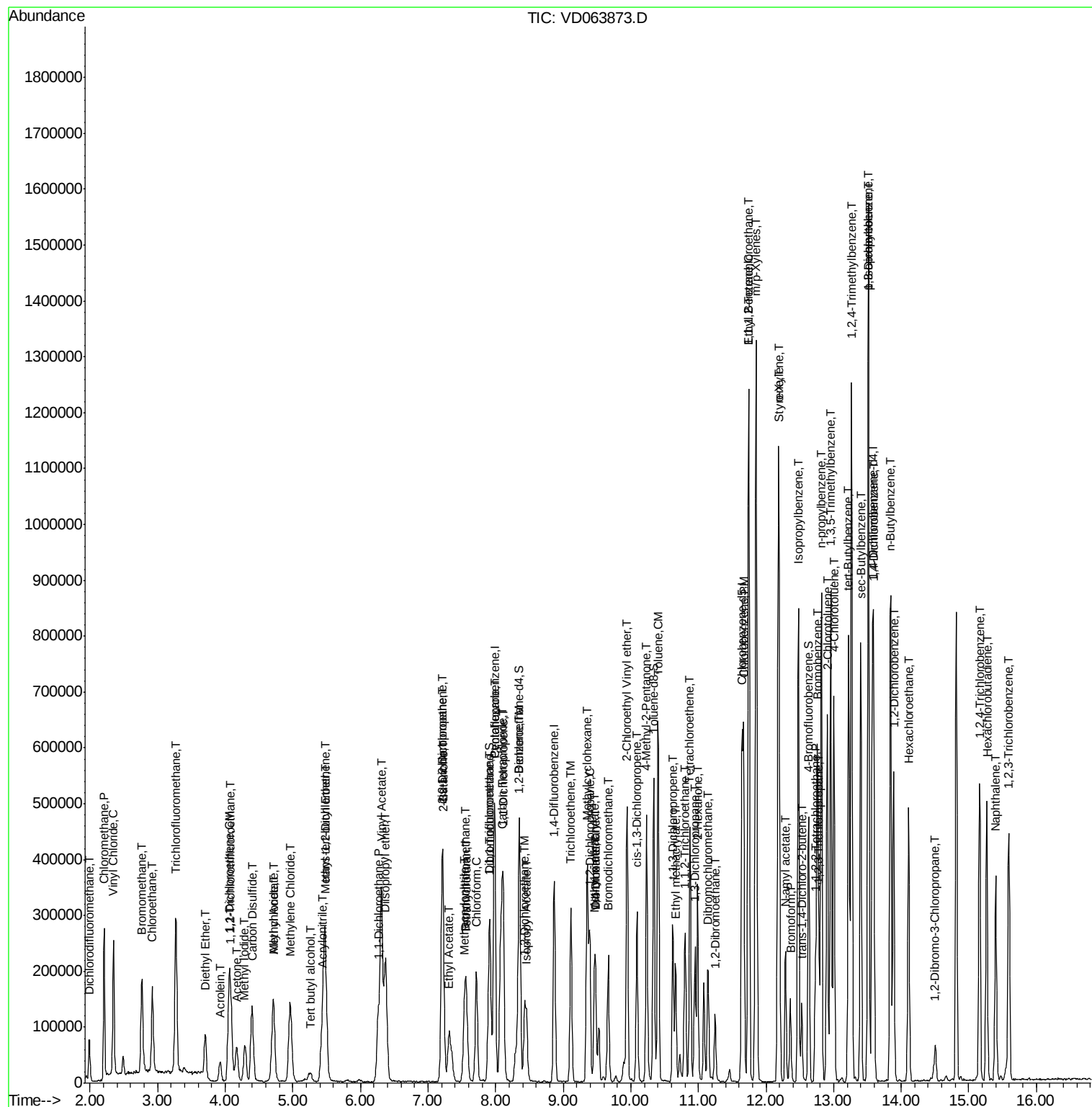
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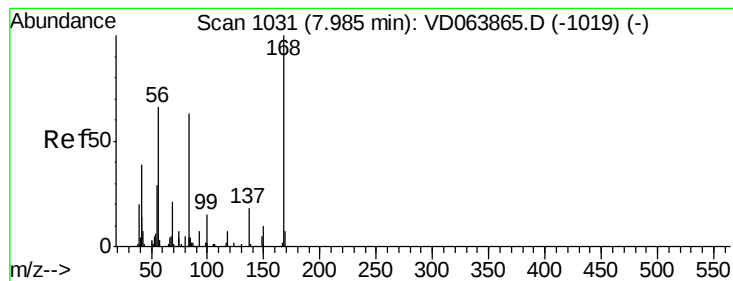
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 192294

Ion Ratio Lower Upper

168 100

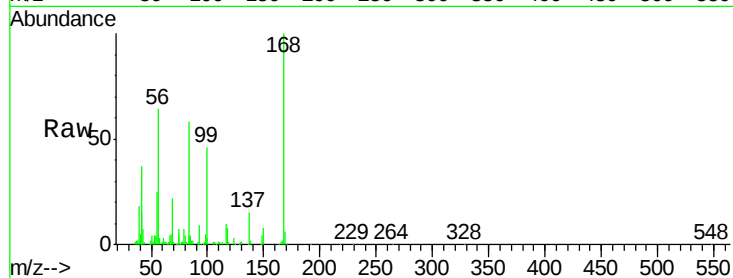
99 45.8 43.0 64.4

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

7.98

80000

60000

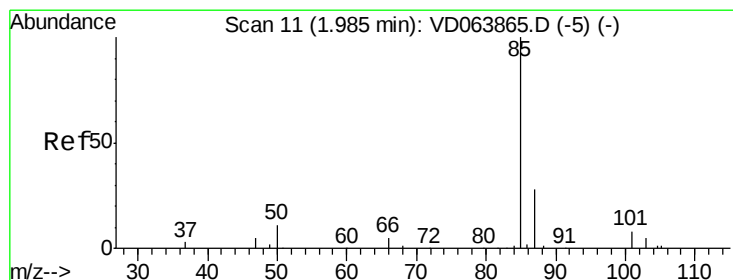
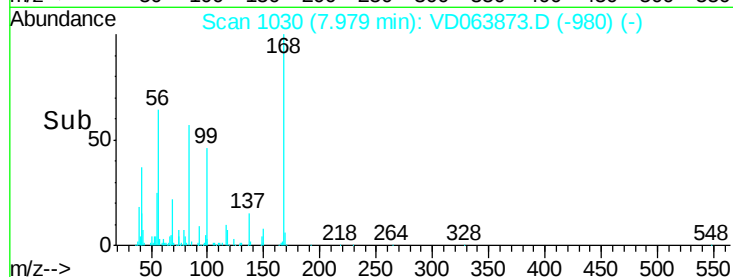
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.372 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063873.D

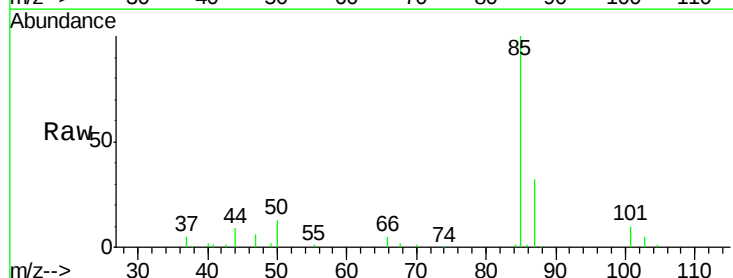
Acq: 02 Oct 2019 21:53

Tgt Ion: 85 Resp: 56419

Ion Ratio Lower Upper

85 100

87 31.6 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

40000

30000

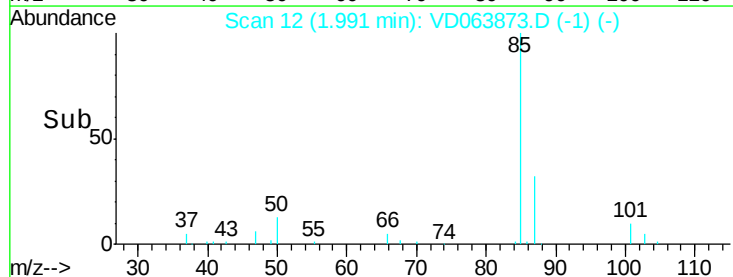
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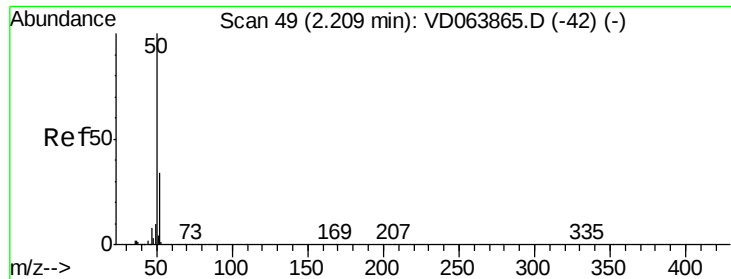
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0

1.95 2.00 2.05

Time-->





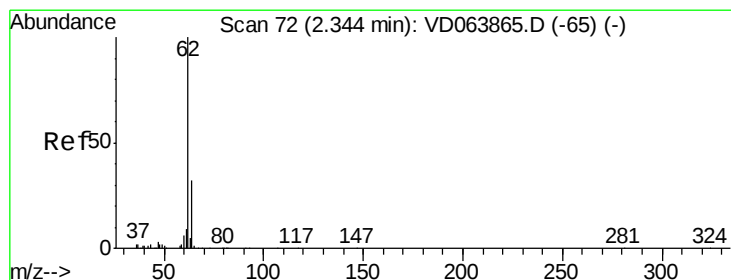
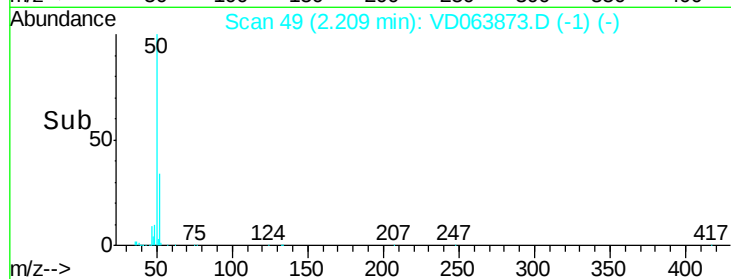
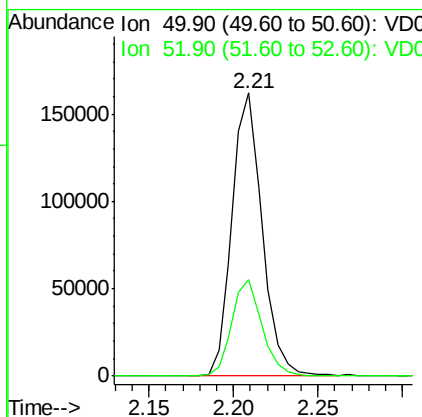
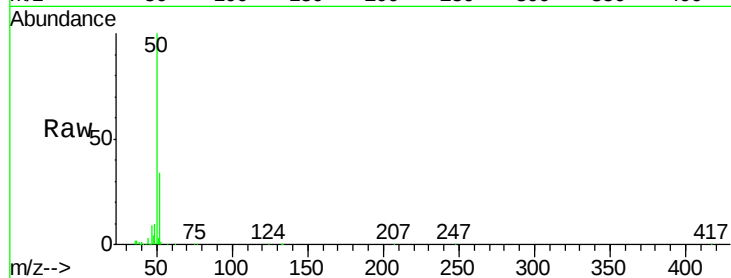
#3
Chloromethane
Concen: 55.160 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.9	27.5	41.3

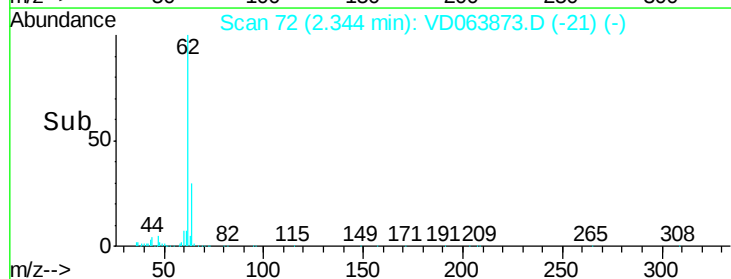
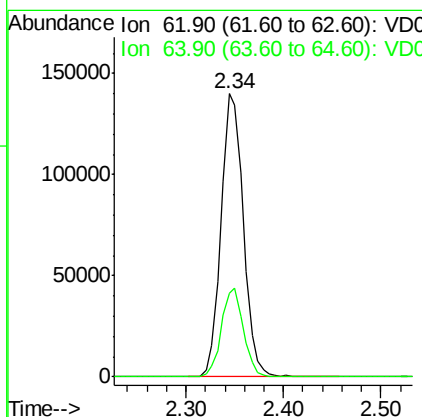
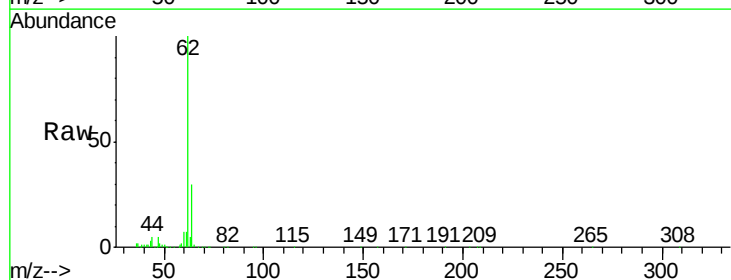
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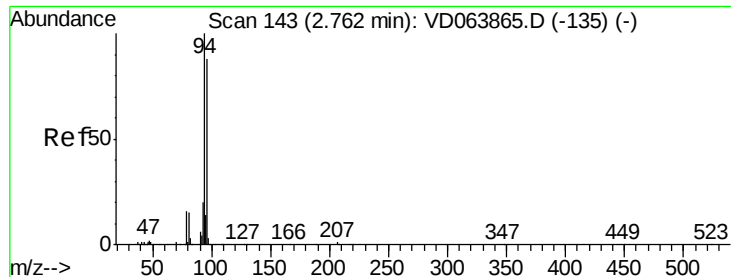
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10/3/2019 12:55:55 PM



#4
Vinyl Chloride
Concen: 50.248 ug/l
RT: 2.34 min Scan# 72
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Lower	Upper
62	100		
64	29.6	25.4	38.0





#5

Bromomethane

Concen: 45.881 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 130007

Ion Ratio Lower Upper

94 100

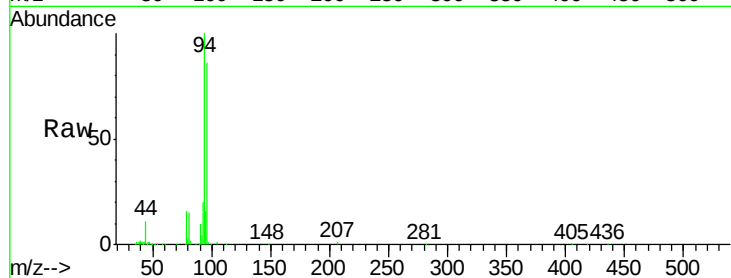
96 86.1 70.8 106.2

Manual Integrations

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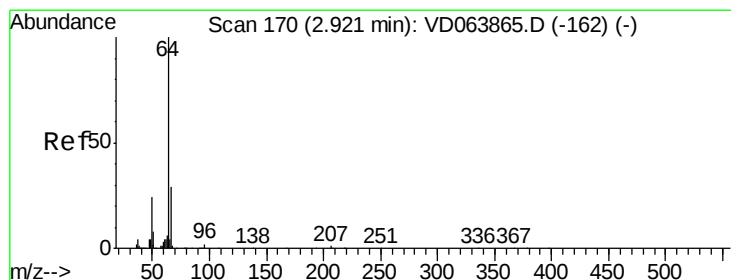
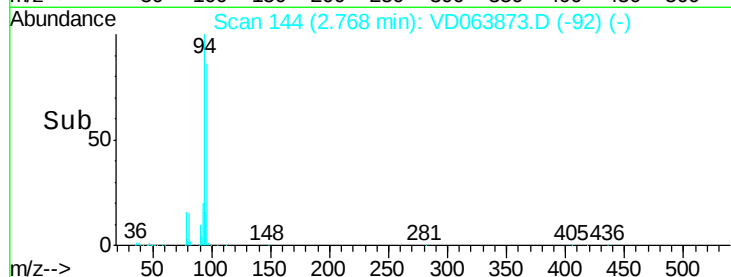
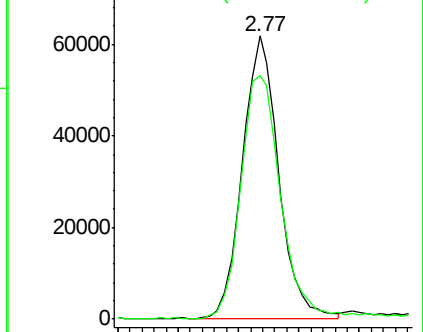
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.829 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063873.D

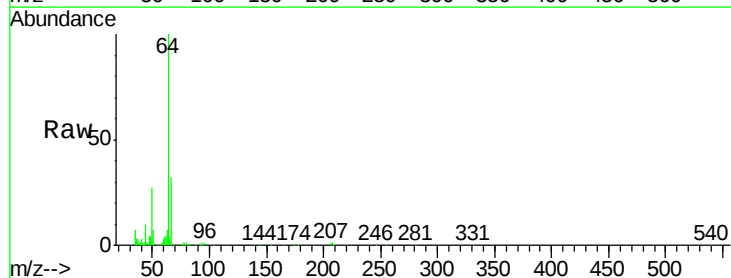
Acq: 02 Oct 2019 21:53

Tgt Ion: 64 Resp: 145243

Ion Ratio Lower Upper

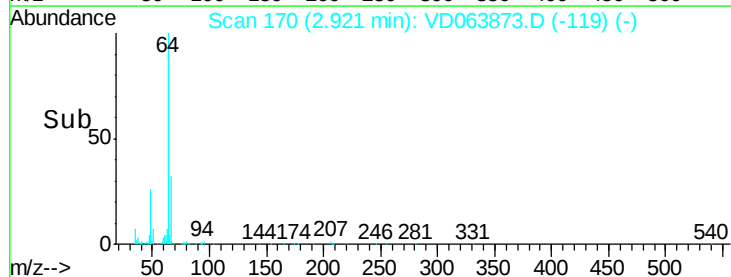
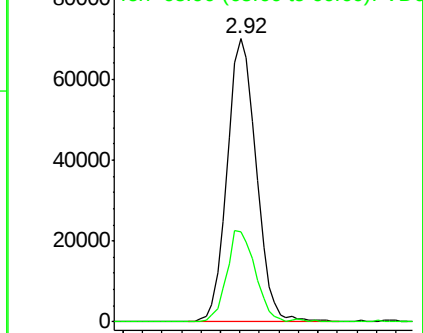
64 100

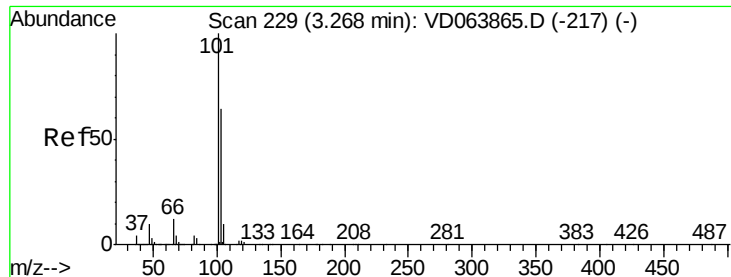
66 31.8 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

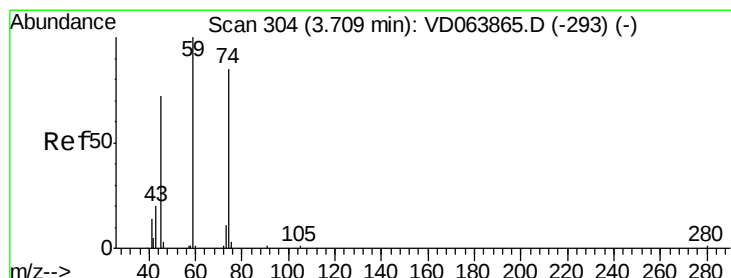
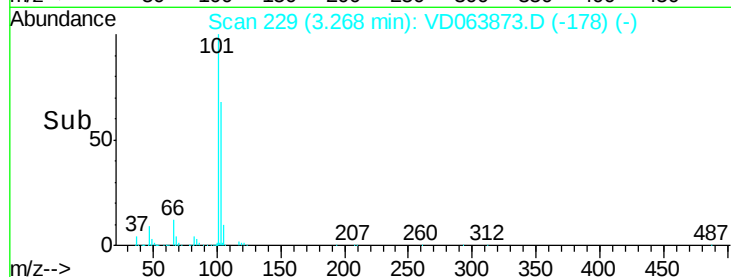
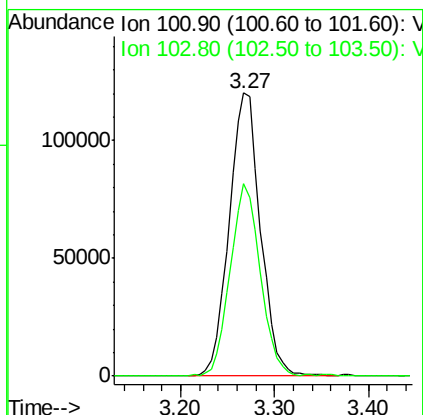
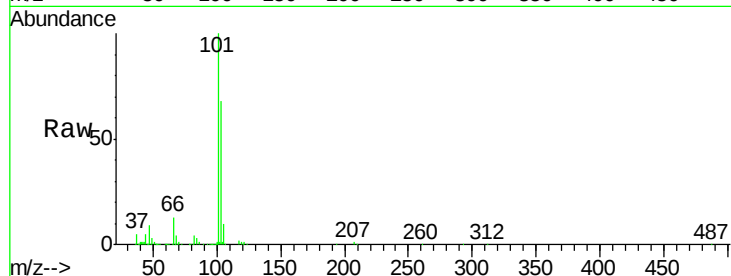
Trichlorofluoromethane
Concen: 47.624 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.8	51.1	76.7

Manual Integrations
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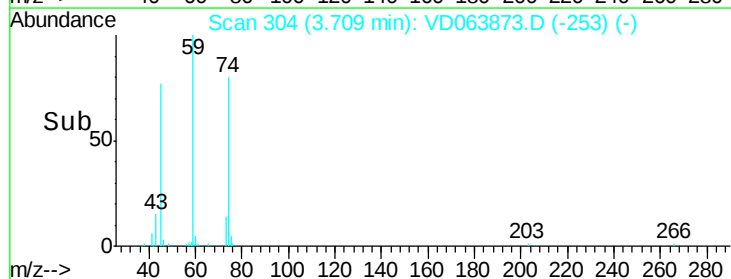
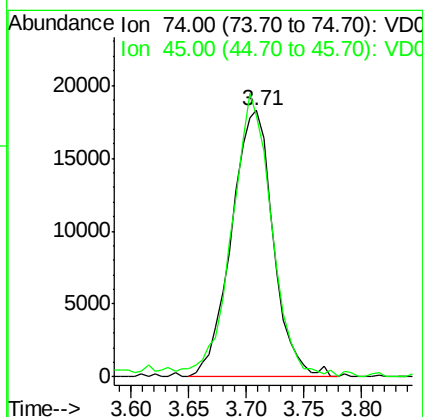
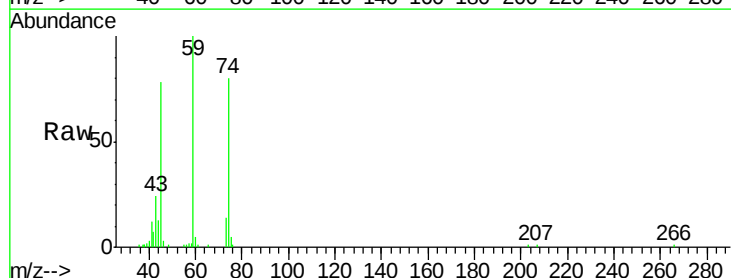
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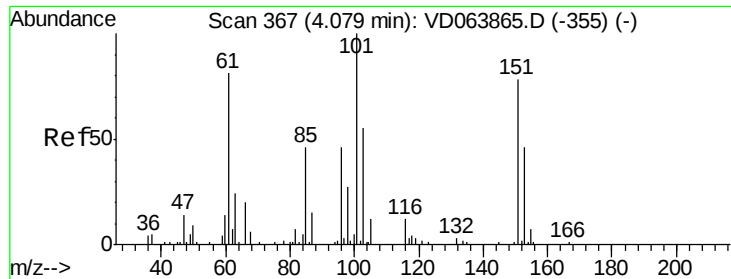


#8

Diethyl Ether
Concen: 49.018 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.366 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

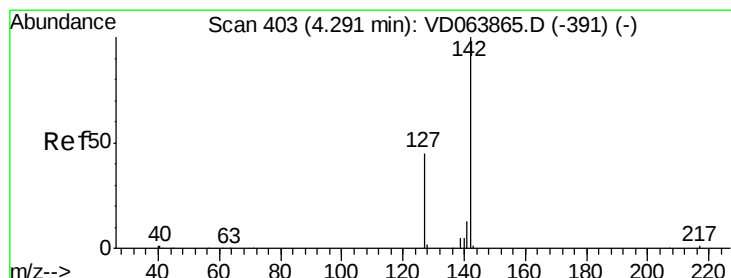
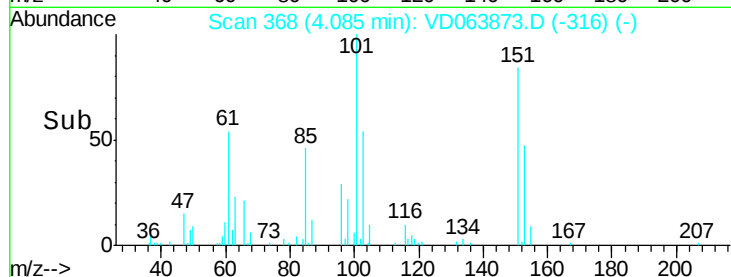
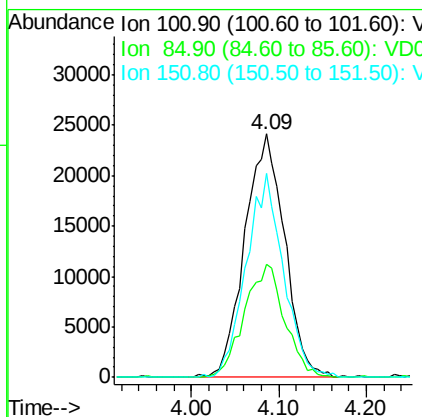
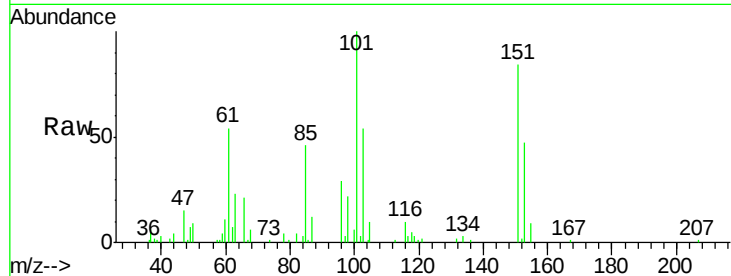
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	74791
Ion Ratio	Lower	Upper	
101	100		
85	46.9	37.5	56.3
151	78.5	65.5	98.3

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#10

Methyl Iodide

Concen: 49.206 ug/l

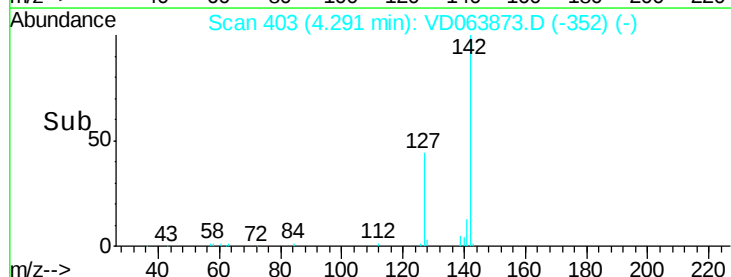
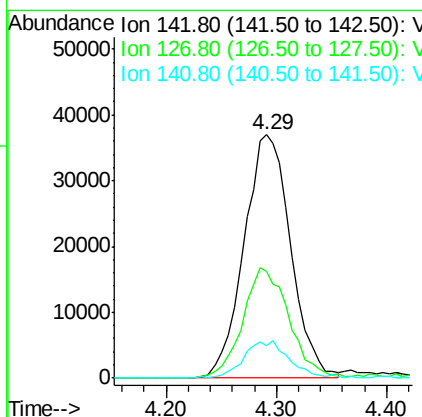
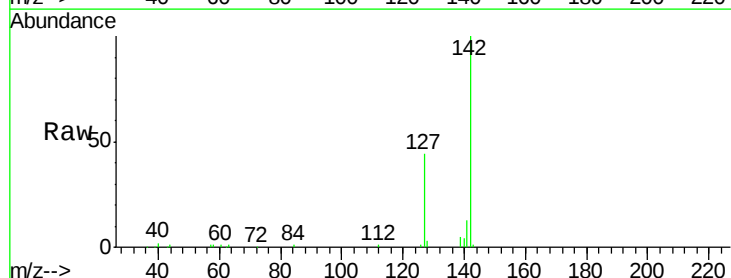
RT: 4.29 min Scan# 403

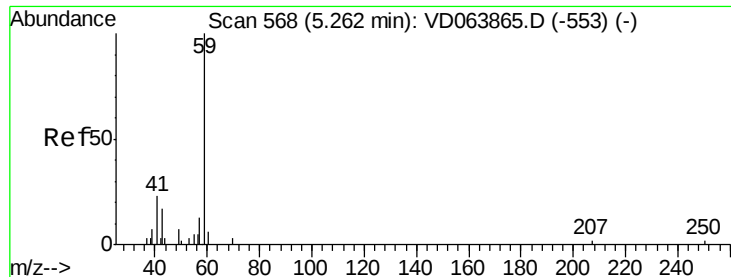
Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Tgt Ion:	142	Resp:	109369
Ion Ratio	Lower	Upper	
142	100		
127	45.1	35.3	52.9
141	14.8	12.2	18.2





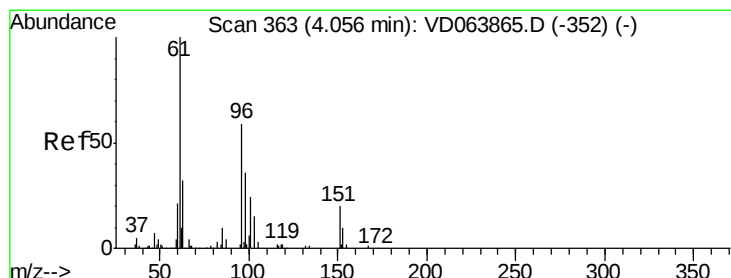
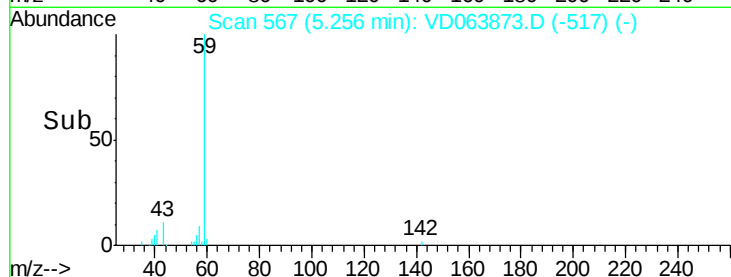
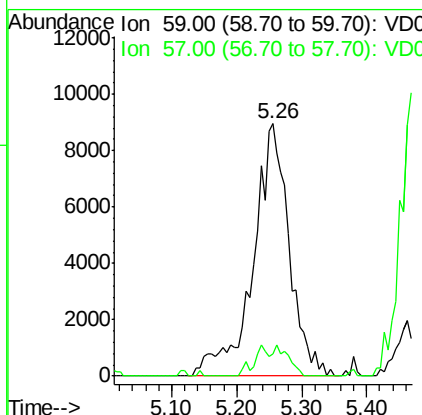
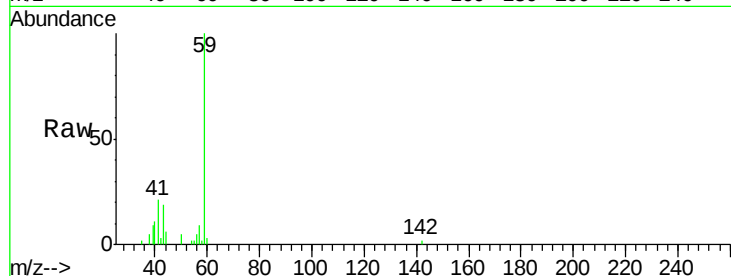
#11
Tert butyl alcohol
Concen: 263.932 ug/l
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 34269
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

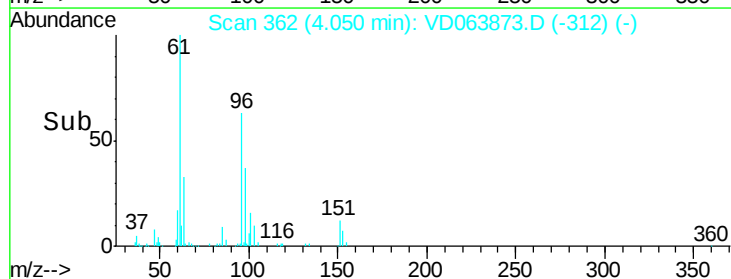
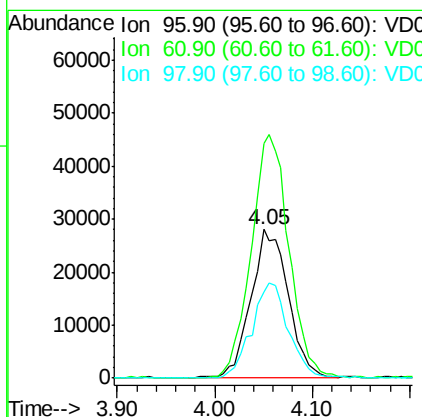
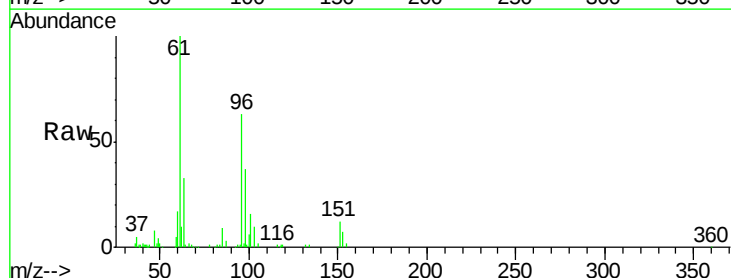
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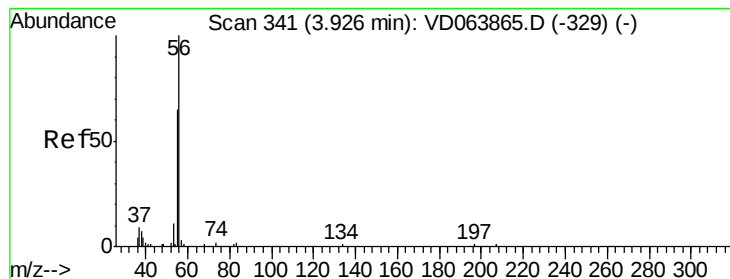
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.647 ug/l
RT: 4.05 min Scan# 362
Delta R.T. -0.01 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion: 96 Resp: 75176
Ion Ratio Lower Upper
96 100
61 157.7 135.6 203.4
98 58.3 49.2 73.8





#13

Acrolein

Concen: 248.022 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 41471

Ion Ratio Lower Upper

56 100

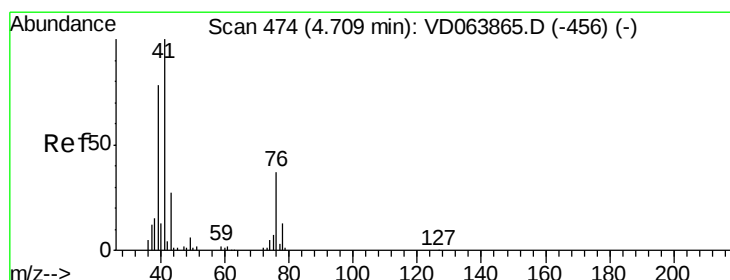
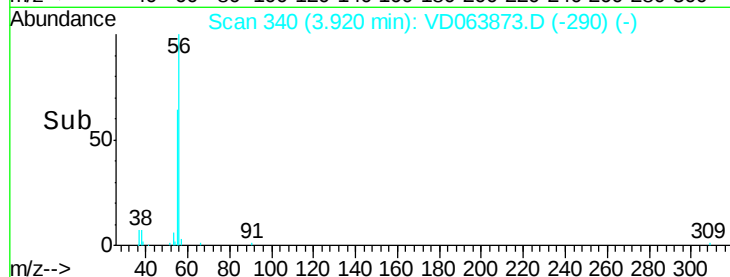
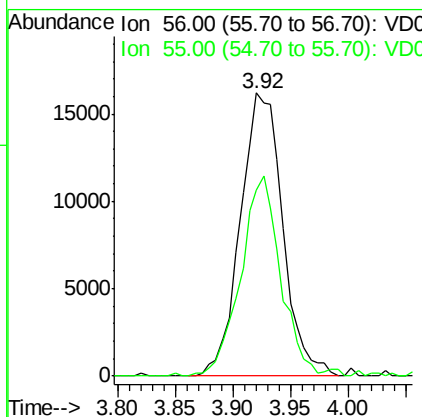
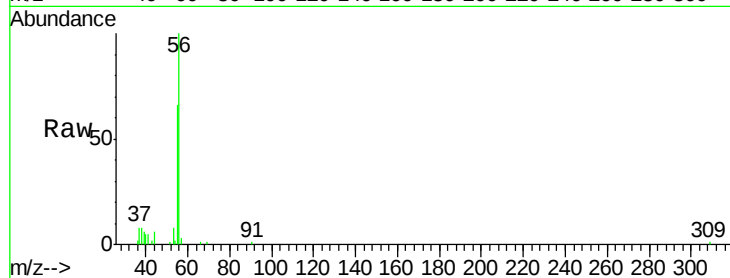
55 66.2 53.0 79.6

Manual Integrations

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#14

Allyl chloride

Concen: 49.215 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

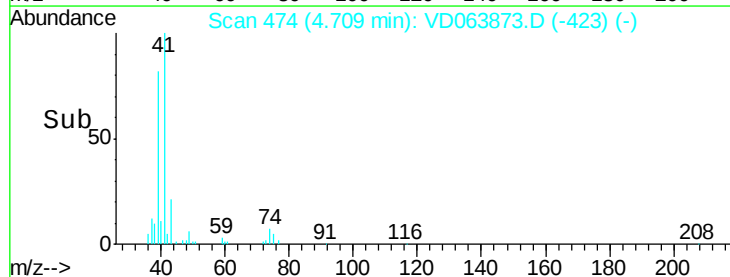
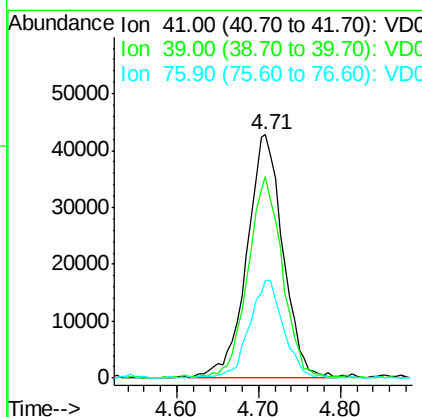
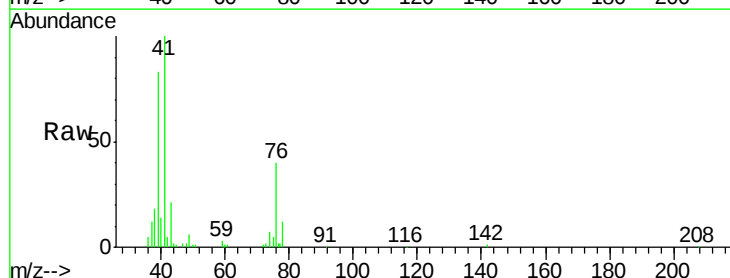
Tgt Ion: 41 Resp: 131865

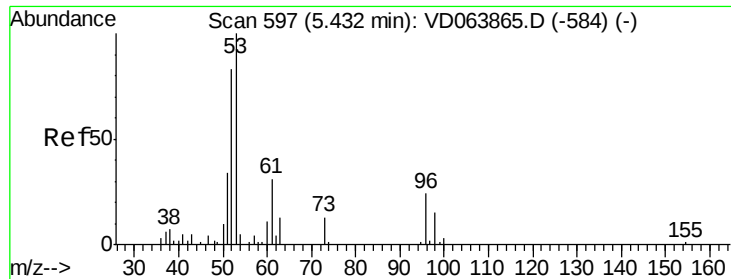
Ion Ratio Lower Upper

41 100

39 79.3 61.8 92.6

76 37.8 31.3 46.9





#15

Acrylonitrile

Concen: 253.322 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

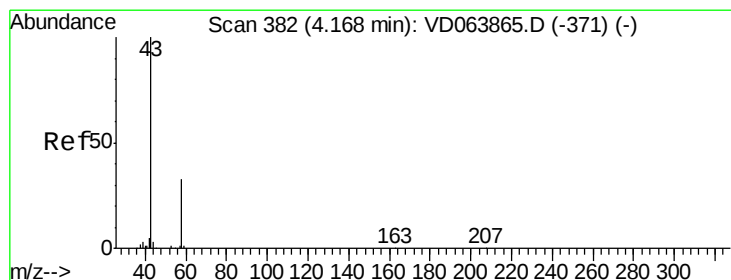
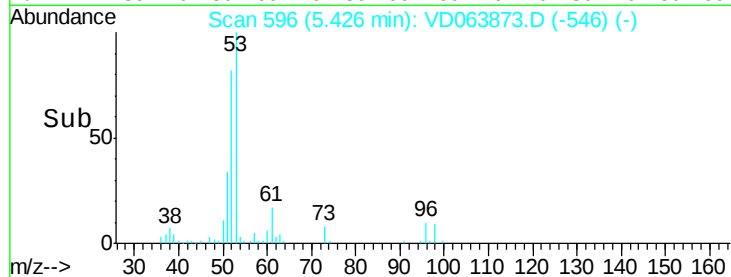
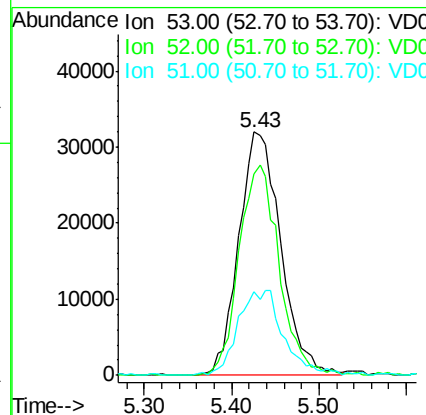
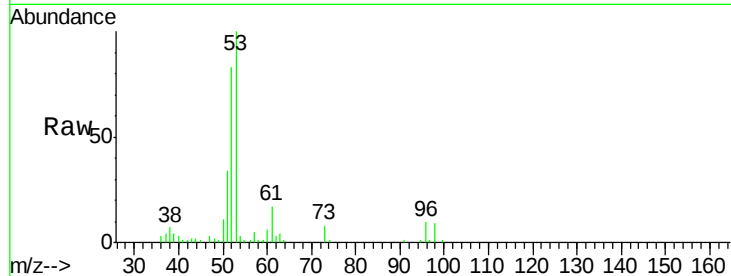
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	104464
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.3	100.9
51	36.9	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 224.847 ug/l

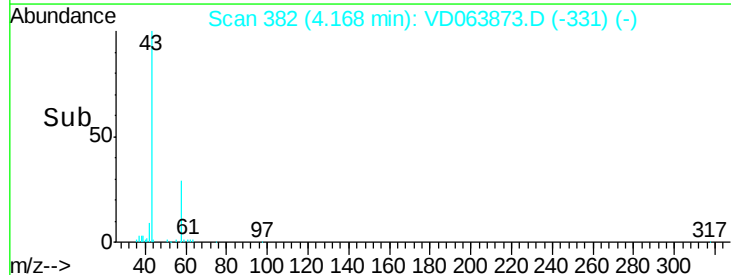
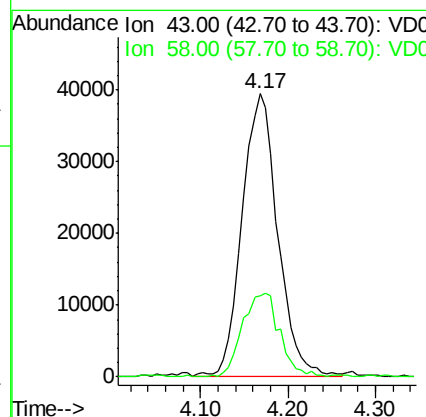
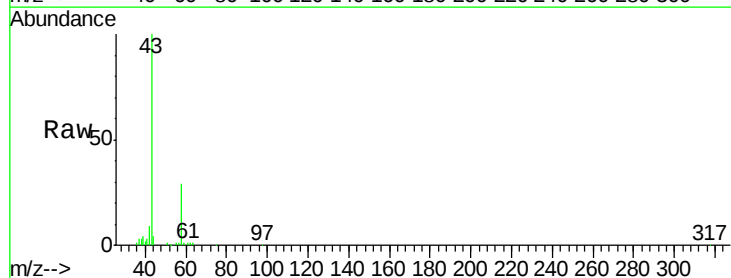
RT: 4.17 min Scan# 382

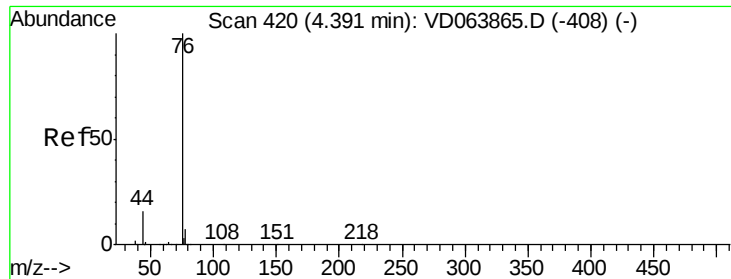
Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Tgt Ion:	43	Resp:	109594
Ion	Ratio	Lower	Upper
43	100		
58	28.9	26.2	39.4





#17

Carbon Disulfide

Concen: 47.317 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 277196

Ion Ratio Lower Upper

76 100

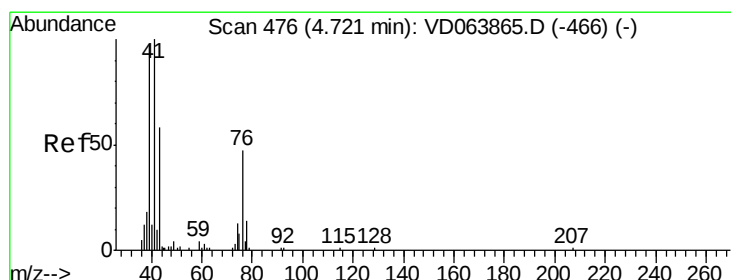
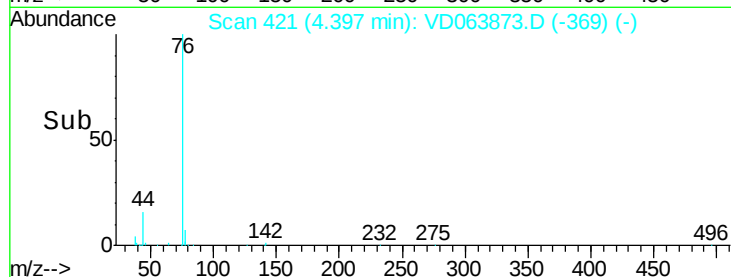
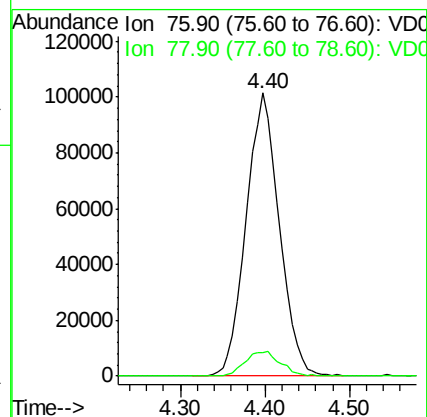
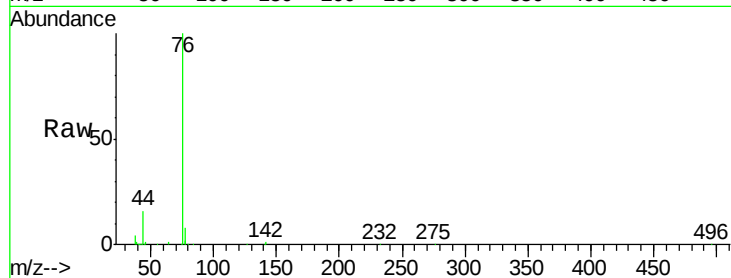
78 8.3 5.8 8.8

Manual Integrations

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#18

Methyl Acetate

Concen: 48.455 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD063873.D

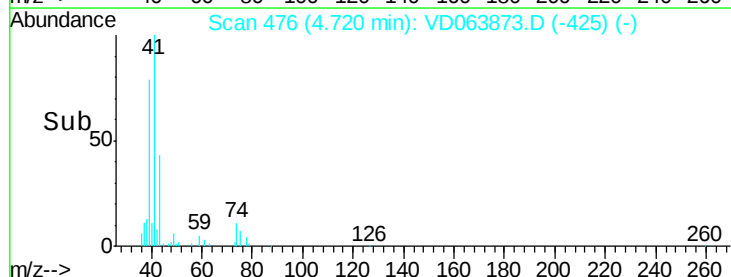
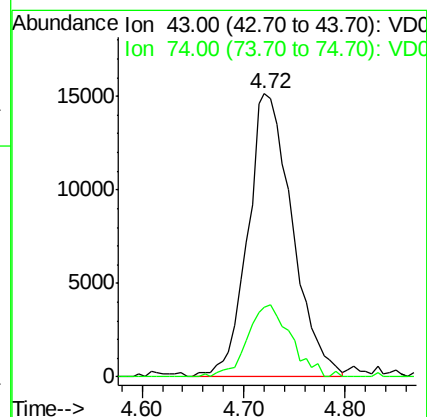
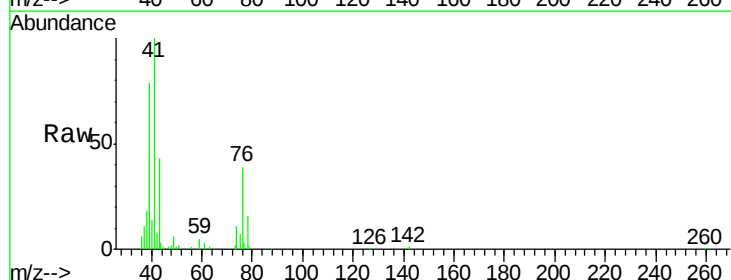
Acq: 02 Oct 2019 21:53

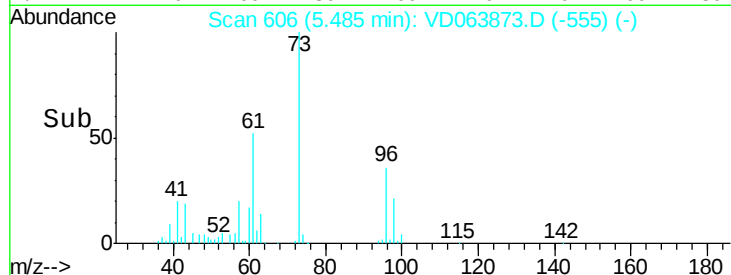
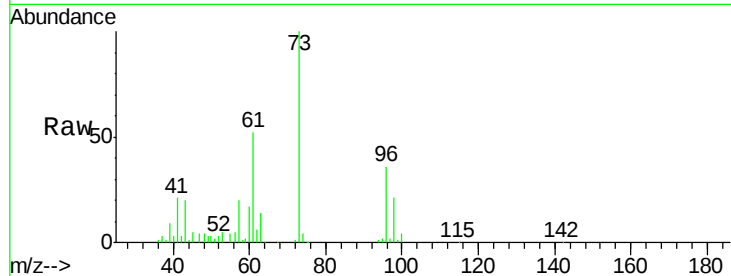
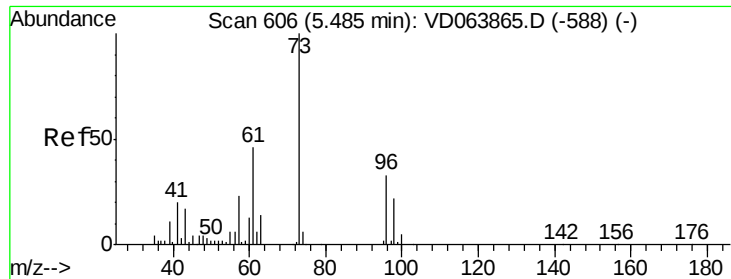
Tgt Ion: 43 Resp: 46194

Ion Ratio Lower Upper

43 100

74 24.6 20.8 31.2





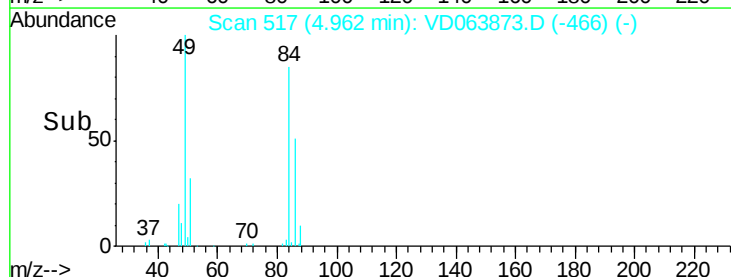
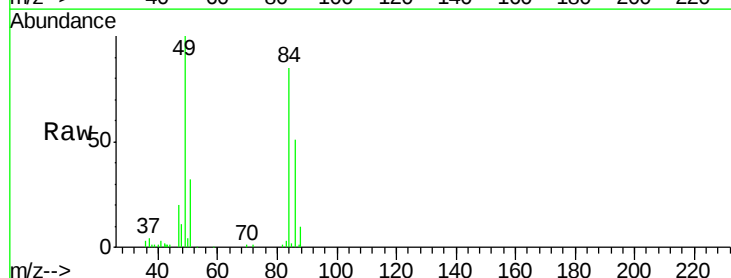
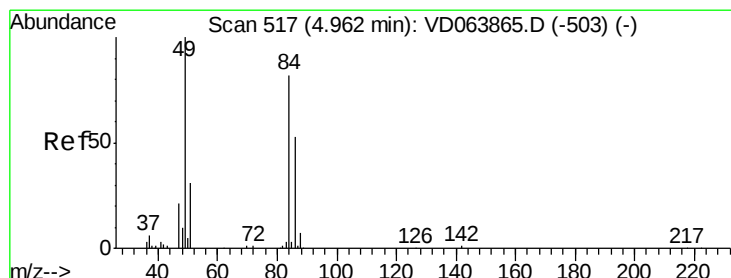
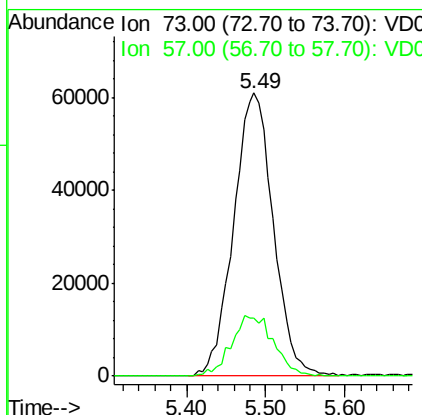
#19
Methyl tert-butyl Ether
Concen: 50.775 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tot Ion: 73 Resp: 211893
Ion Ratio Lower Upper
73 100
57 20.5 18.1 27.1

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

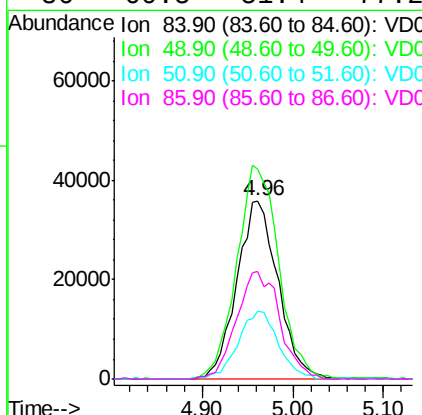
Manual Integrations
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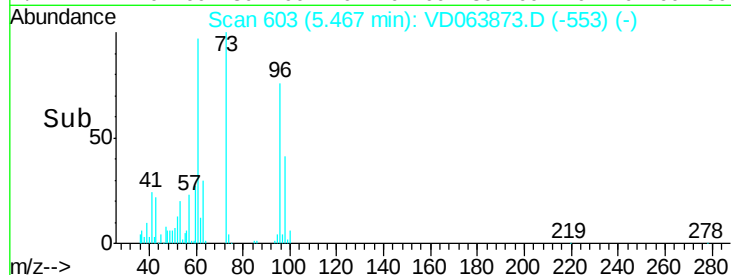
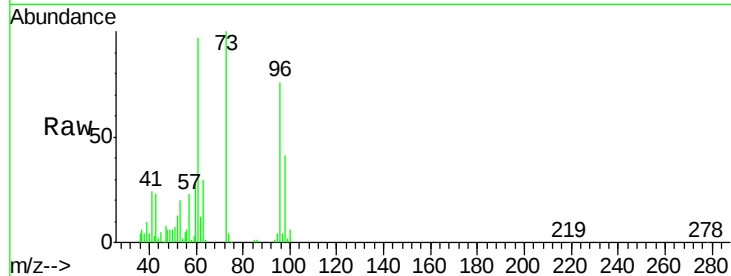
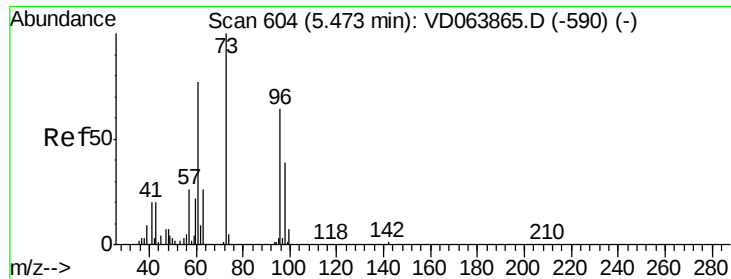
MMDadoda
10/3/2019 12:55:55 PM



#20
Methylene Chloride
Concen: 52.304 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion: 84 Resp: 112820
Ion Ratio Lower Upper
84 100
49 118.0 97.3 145.9
51 37.8 30.1 45.1
86 60.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 49.814 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063873.D

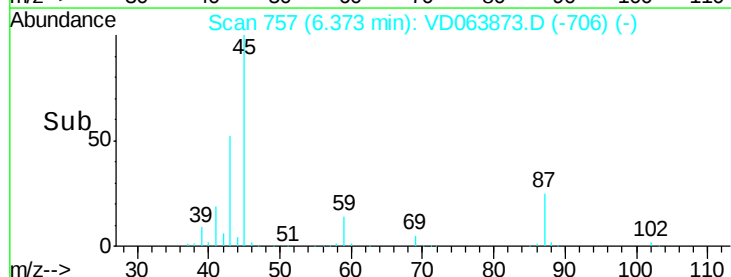
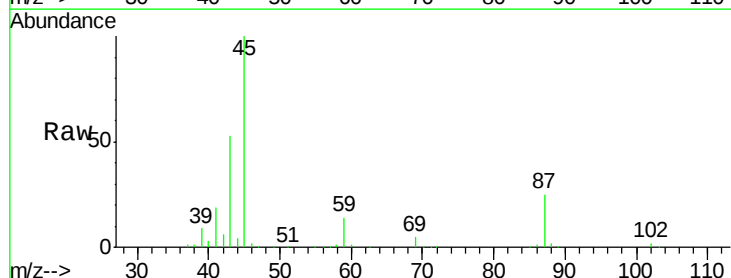
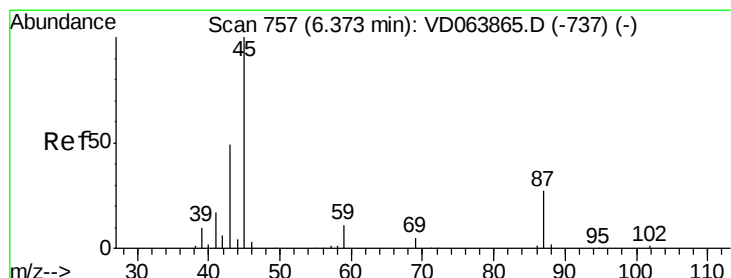
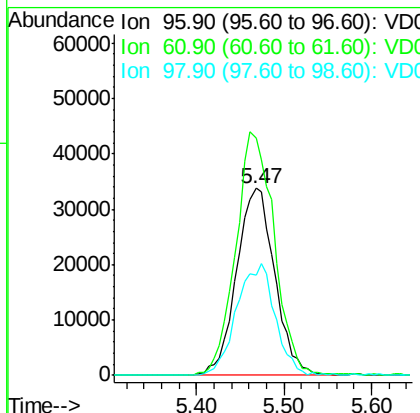
Acq: 02 Oct 2019 21:53

Tot Ion:	96	Resp:	99938
Ion	Ratio	Lower	Upper
96	100		
61	127.1	96.6	145.0
98	53.7	48.7	73.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.311 ug/l

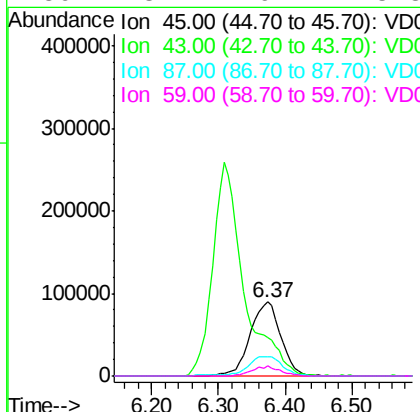
RT: 6.37 min Scan# 757

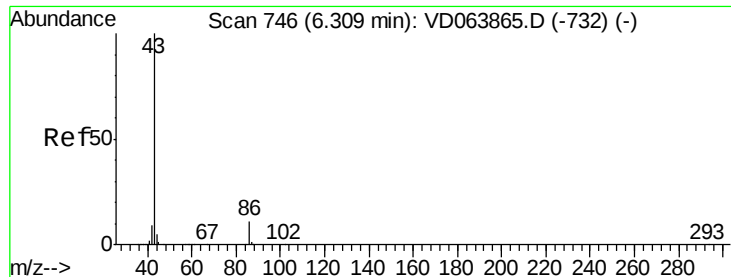
Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Tgt Ion:	45	Resp:	286252
Ion	Ratio	Lower	Upper
45	100		
43	52.0	41.2	61.8
87	24.9	22.2	33.4
59	13.7	9.2	13.8





#23

Vinyl Acetate

Concen: 260.149 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 846859

Ion Ratio Lower Upper

43 100

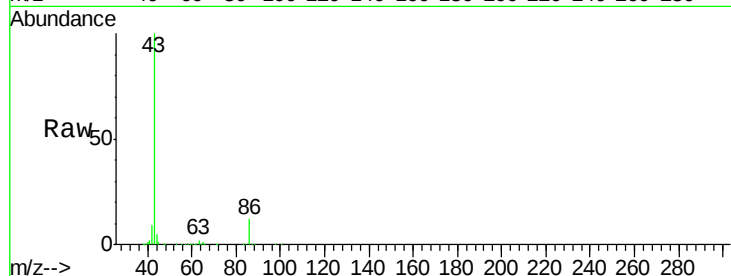
86 11.7 8.8 13.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

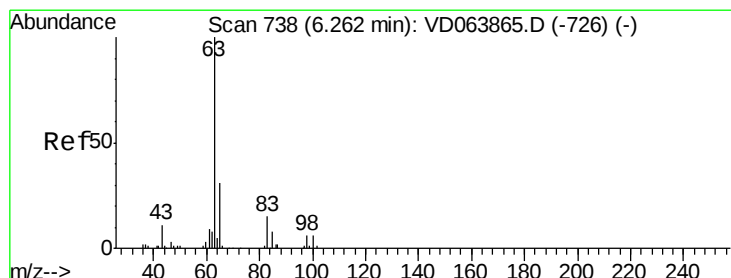
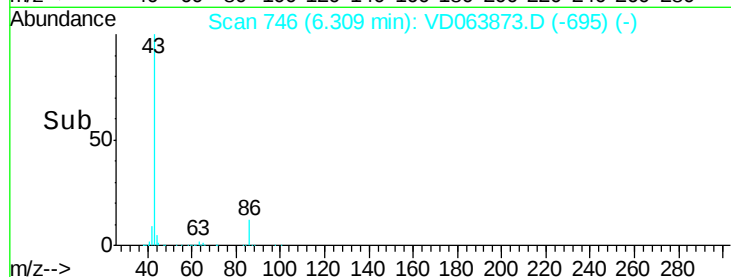
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 50.507 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

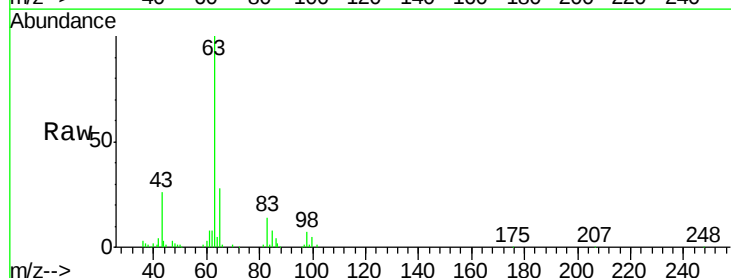
Tgt Ion: 63 Resp: 170238

Ion Ratio Lower Upper

63 100

98 7.5 3.1 9.4

100 5.2 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

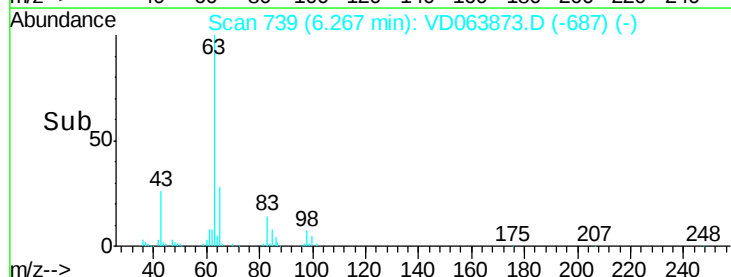
60000

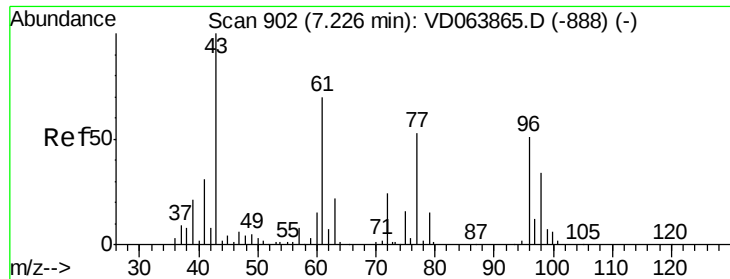
40000

20000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 242.753 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 140224

Ion Ratio Lower Upper

43 100

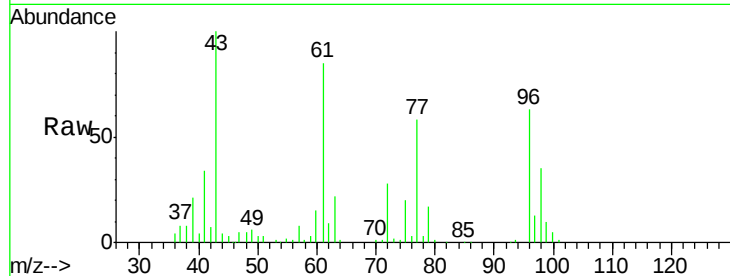
72 27.9 19.2 28.8

Manual Integrations

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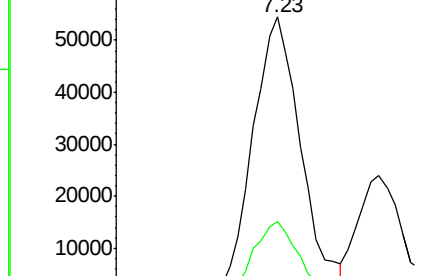
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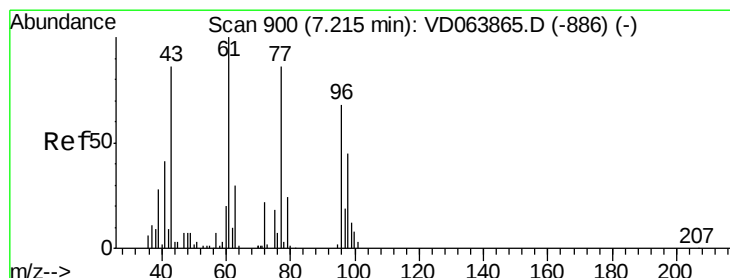
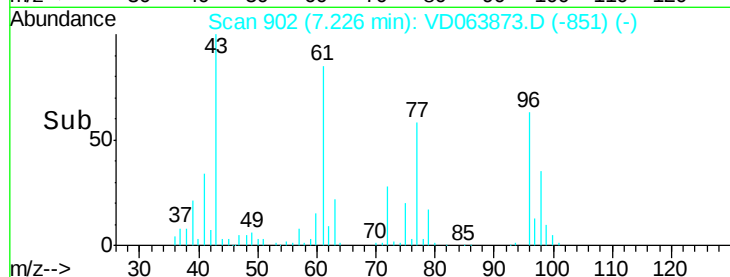


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 45.135 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063873.D

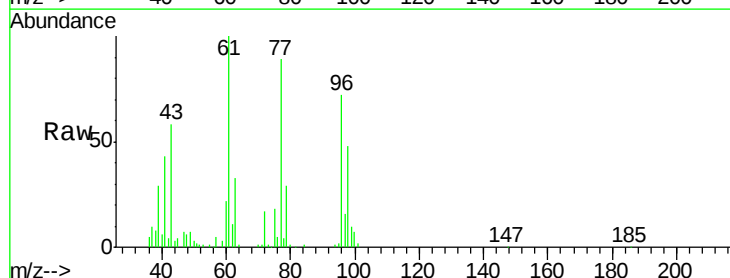
Acq: 02 Oct 2019 21:53

Tgt Ion: 77 Resp: 137619

Ion Ratio Lower Upper

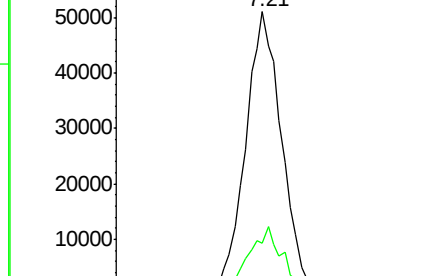
77 100

97 23.4 11.4 34.1

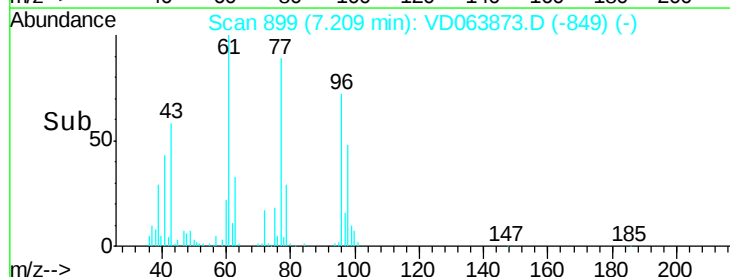


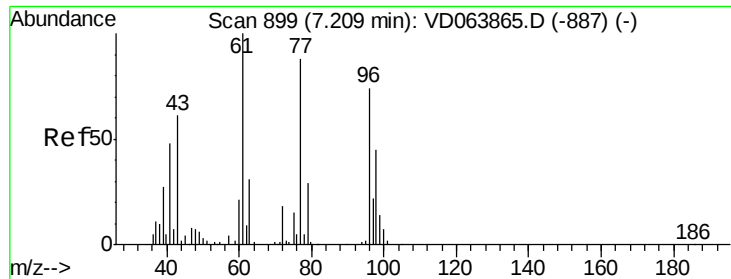
Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->





#27

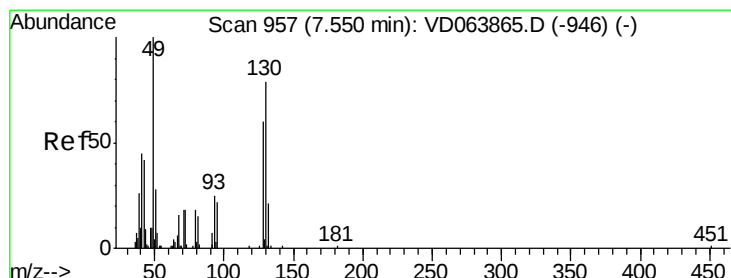
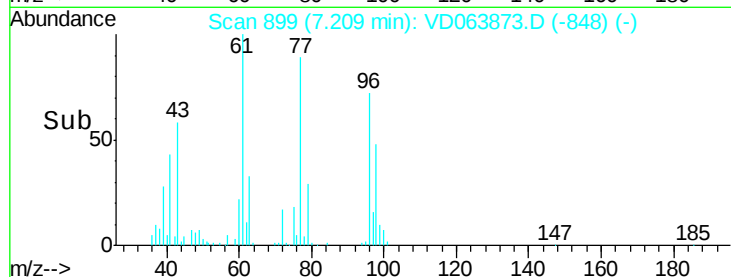
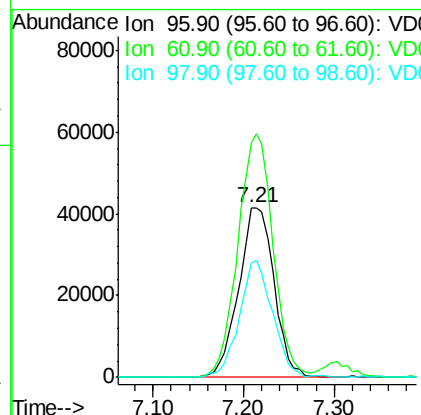
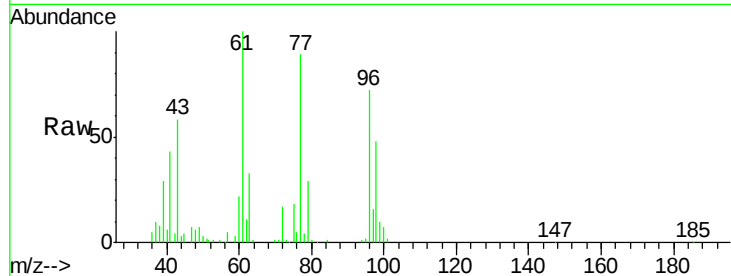
cis-1,2-Dichloroethene
 Concen: 49.588 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.7	0.0	280.0	
98	65.0	0.0	130.4	

Manual Integrations
 APPROVED

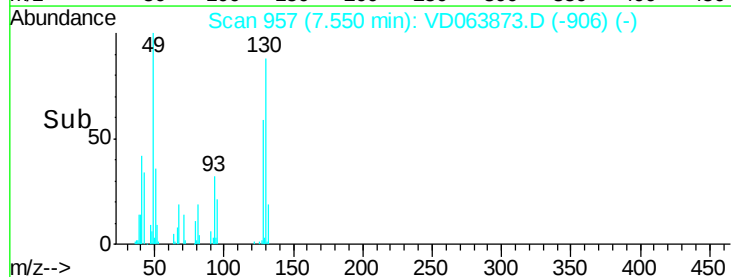
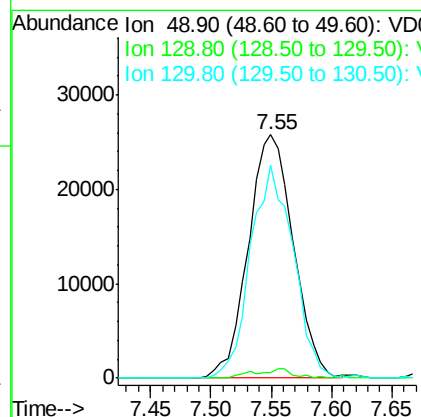
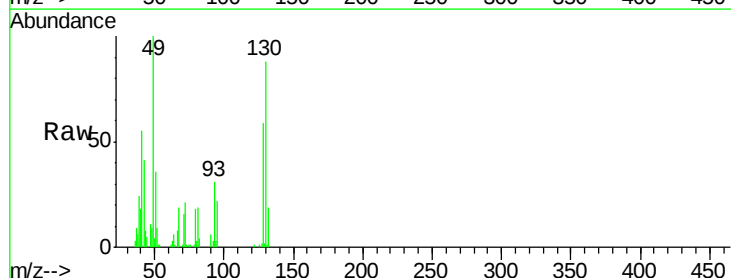
MMDadoda
 10/3/2019 12:55:55 PM

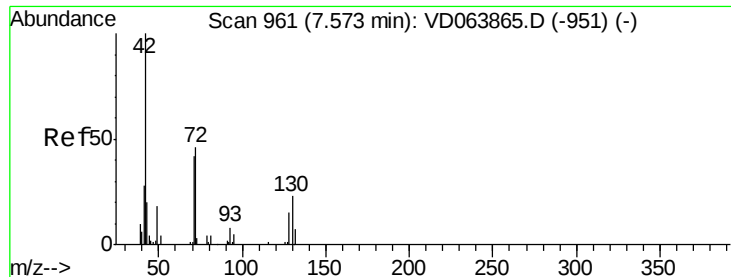


#28

Bromochloromethane
 Concen: 52.097 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	5.6	
130	82.6	66.8	100.2	





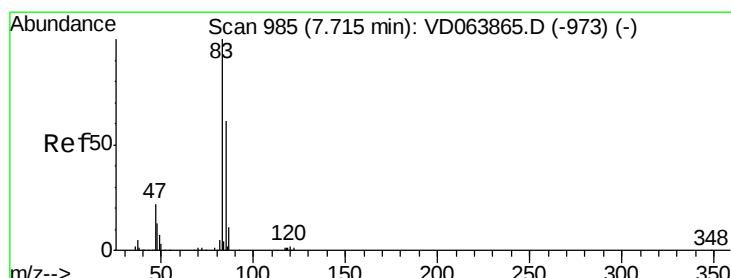
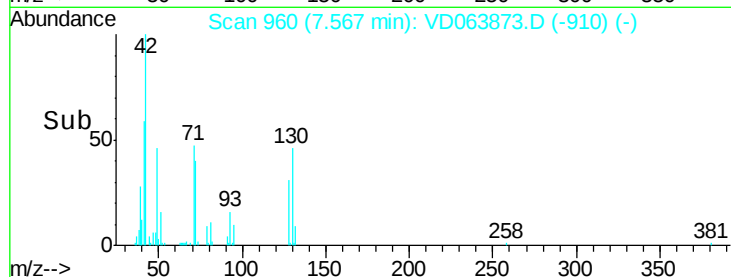
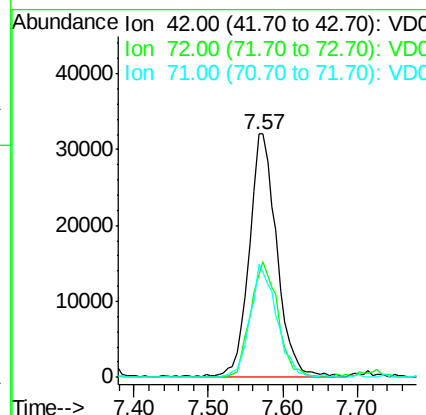
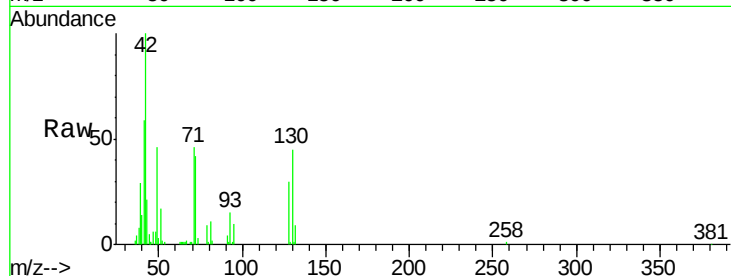
#29
Tetrahydrofuran
Concen: 245.748 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.6	56.4
71	44.0	35.0	52.6

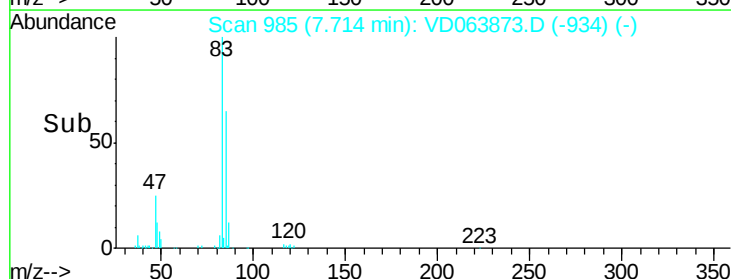
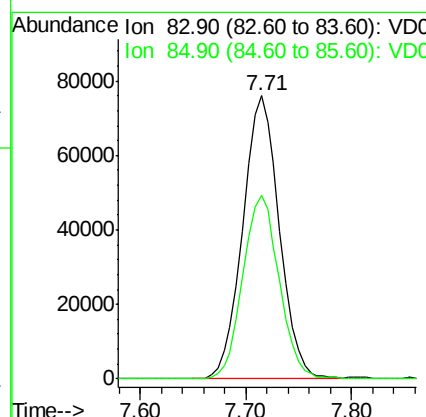
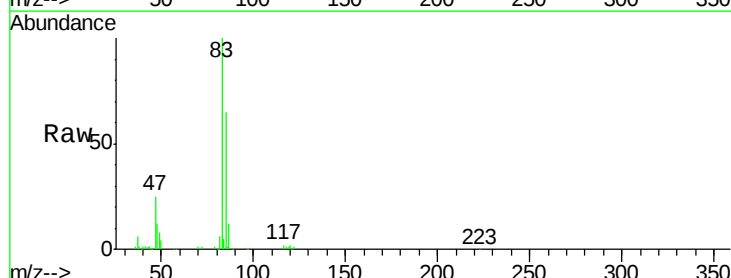
Manual Integrations
APPROVED

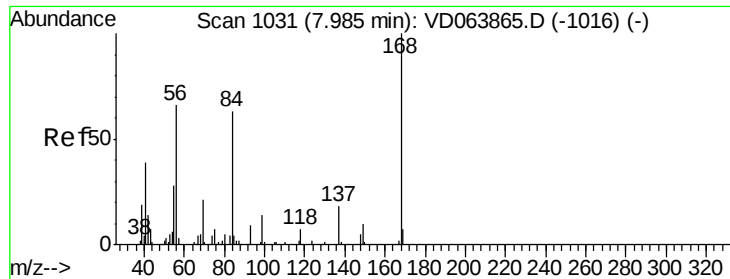
MMDadoda
10/3/2019 12:55:55 PM



#30
Chloroform
Concen: 49.836 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	48.9	73.3





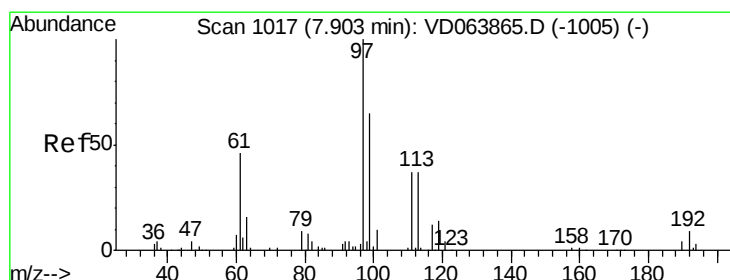
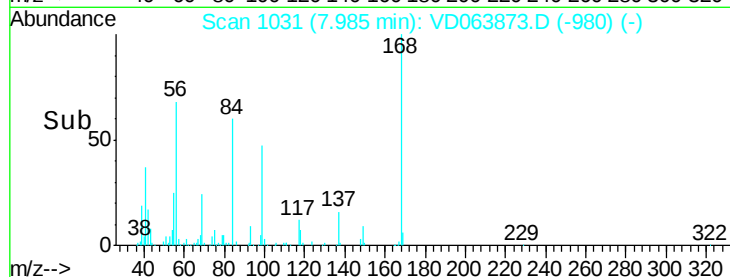
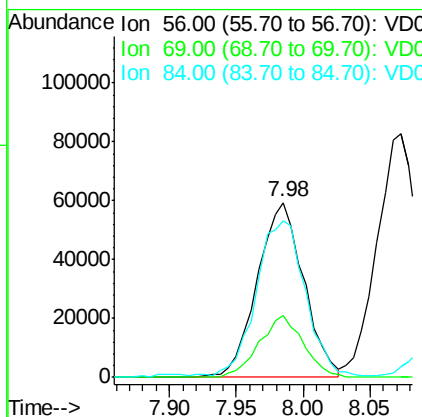
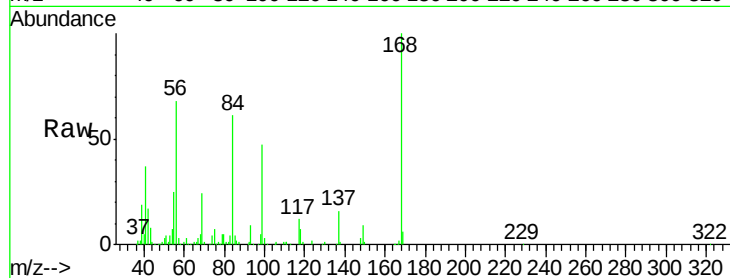
#31
Cyclohexane
Concen: 51.582 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	25.0	37.4
84	88.4	76.3	114.5

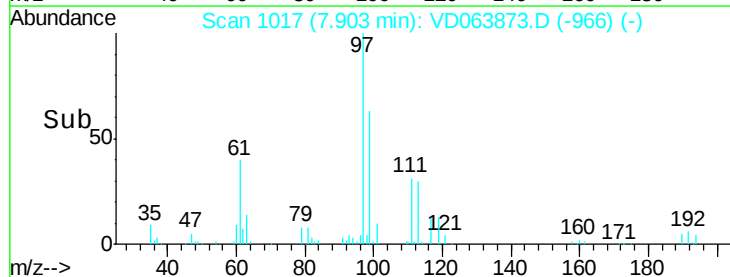
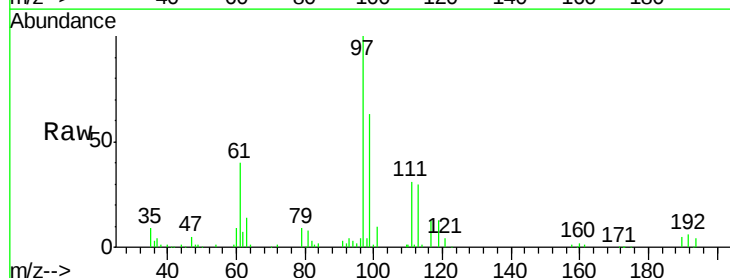
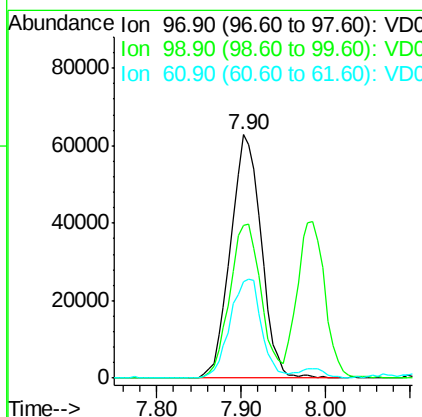
Manual Integrations
APPROVED

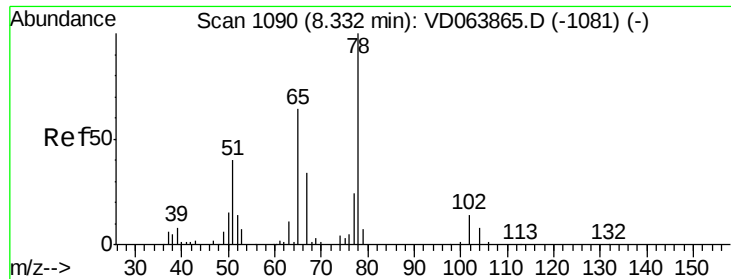
MMDadoda
10/3/2019 12:55:55 PM



#32
1,1,1-Trichloroethane
Concen: 50.205 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.4	78.6
61	41.6	33.8	50.8





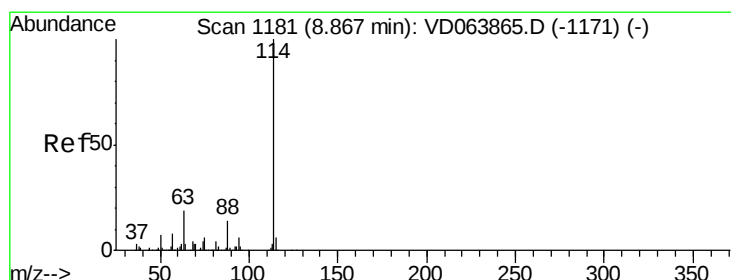
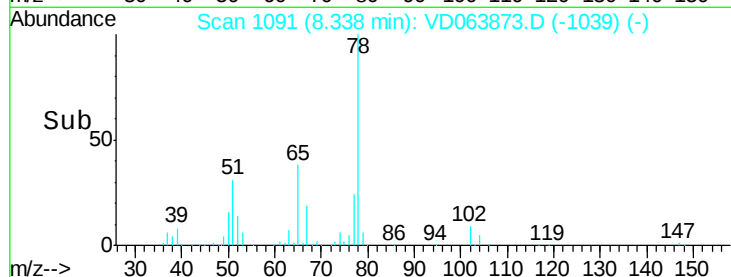
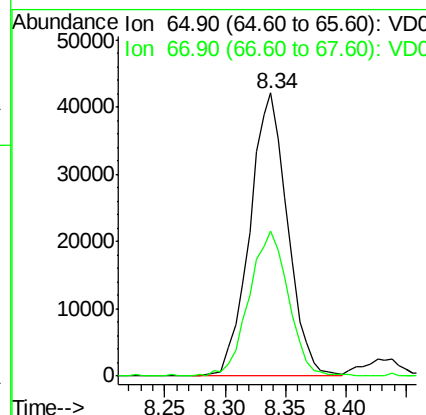
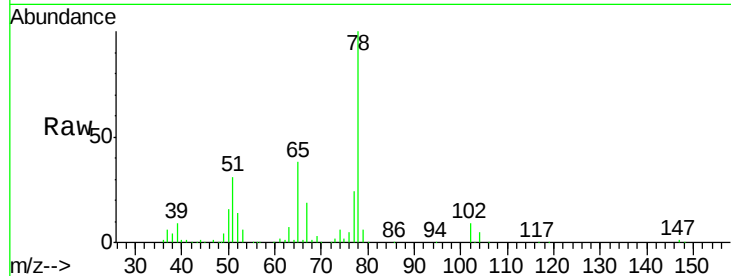
#33
 1,2-Dichloroethane-d4
 Concen: 48.823 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	106.4	

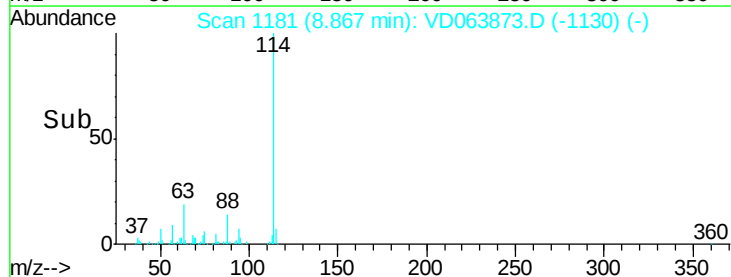
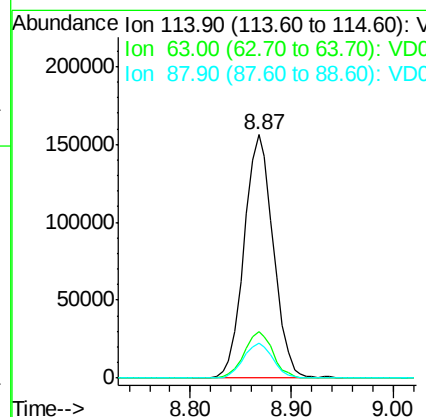
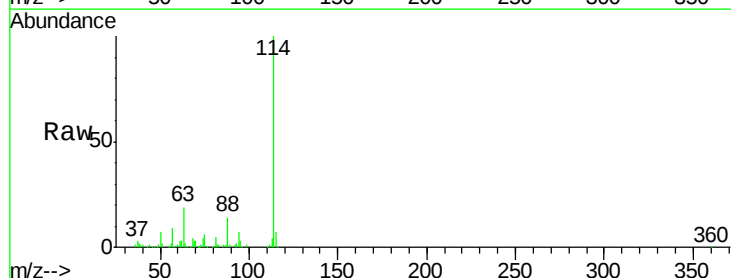
Manual Integrations
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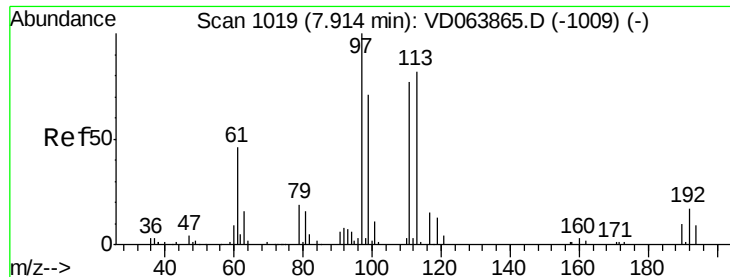
MMDadoda
 10/3/2019 12:55:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	38.4	
88	14.3	0.0	27.4	





#35

Dibromofluoromethane

Concen: 47.360 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

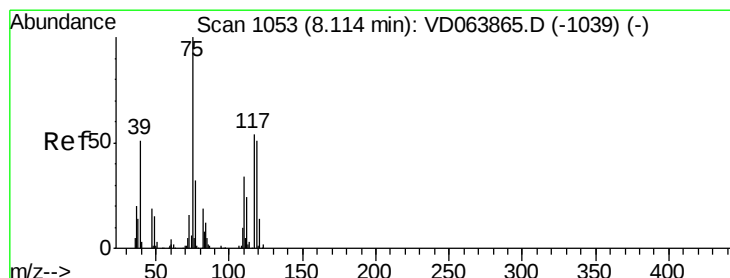
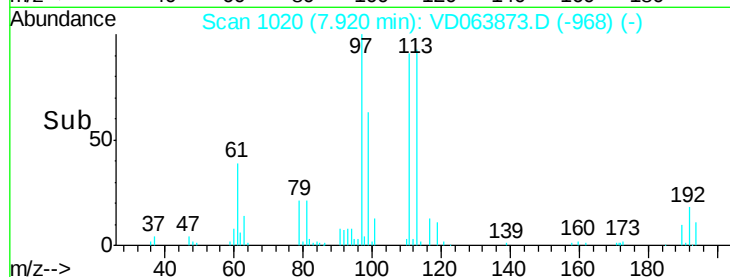
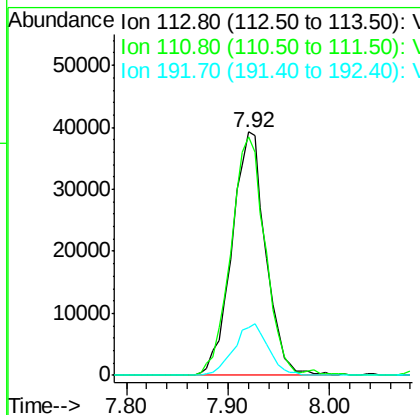
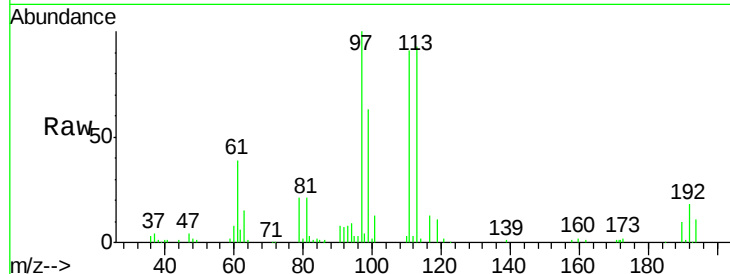
ClientSampleID :

VSTDCCC050EC

Tot Ion:	113	Resp:	90153
Ion Ratio	Lower	Upper	
113	100		
111	99.6	82.6	123.8
192	21.4	17.1	25.7

Manual Integrations
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MMDadoda
10/3/2019 12:55:55 PM



#36

1,1-Dichloropropene

Concen: 48.134 ug/l

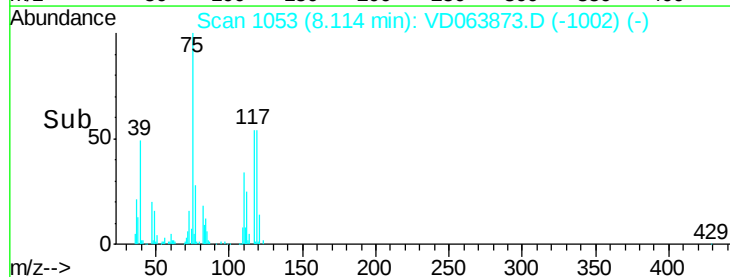
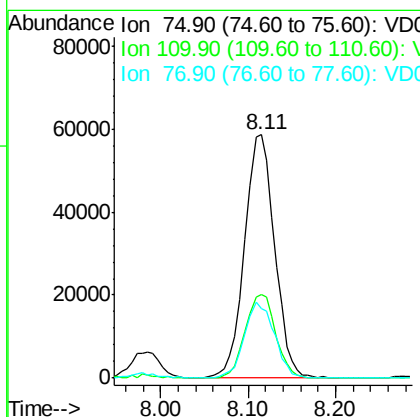
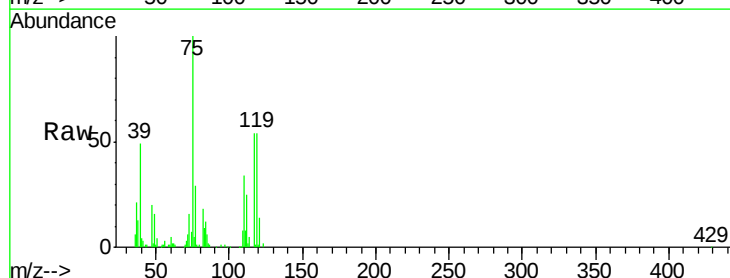
RT: 8.11 min Scan# 1053

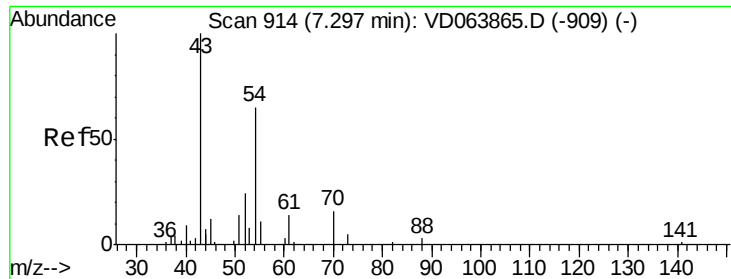
Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Tgt Ion:	75	Resp:	137083
Ion Ratio	Lower	Upper	
75	100		
110	34.4	17.4	52.3
77	31.1	25.4	38.0





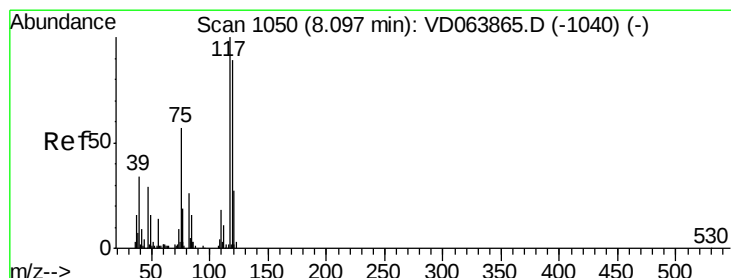
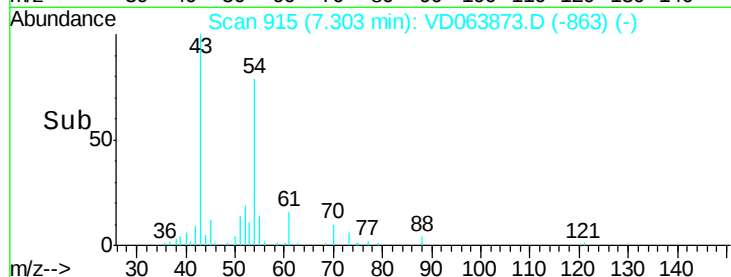
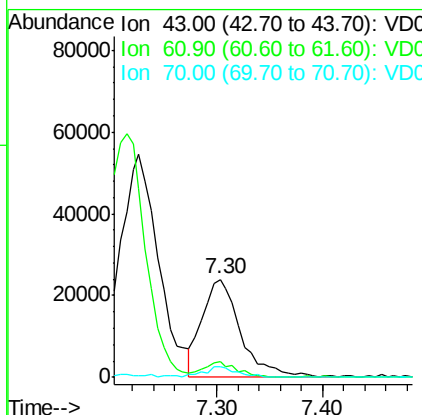
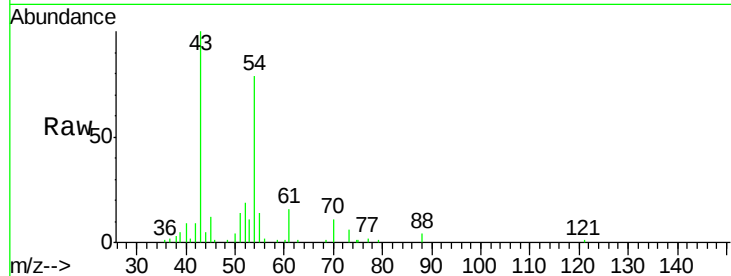
#37
Ethyl Acetate
Concen: 52.462 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	9.5	8.2	12.4

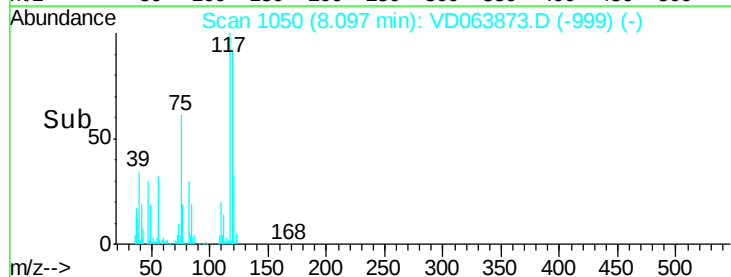
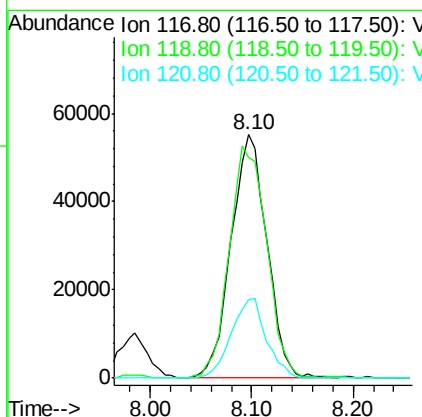
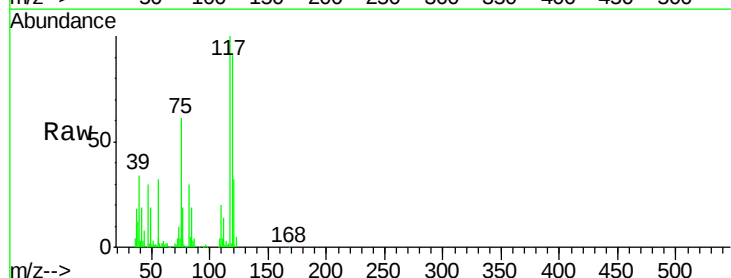
Manual Integrations
APPROVED

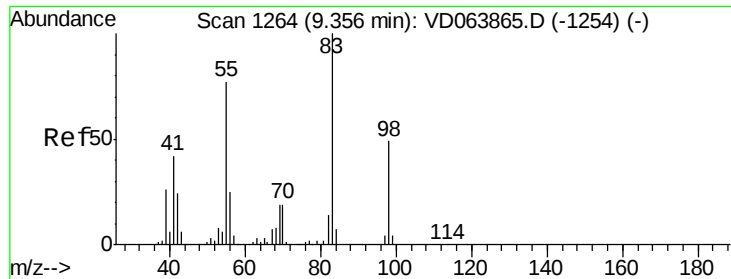
MMDadoda
10/3/2019 12:55:55 PM



#38
Carbon Tetrachloride
Concen: 47.073 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	70.8	106.2
121	32.2	21.4	32.0#





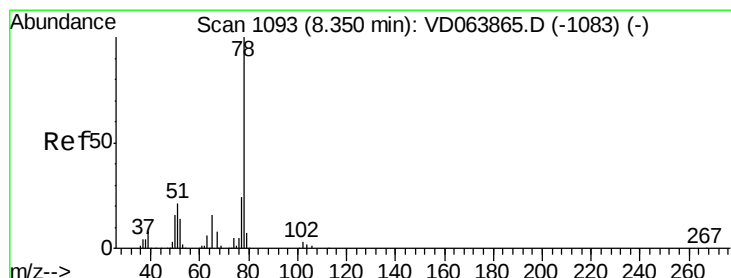
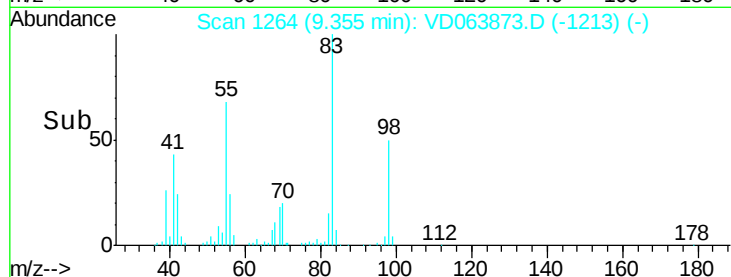
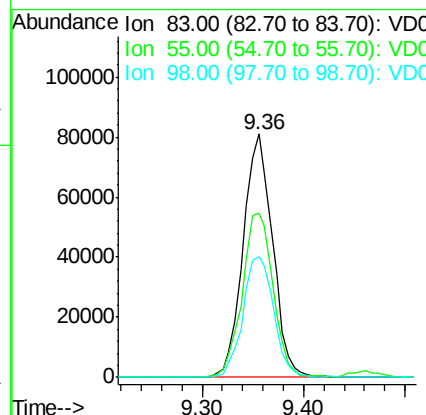
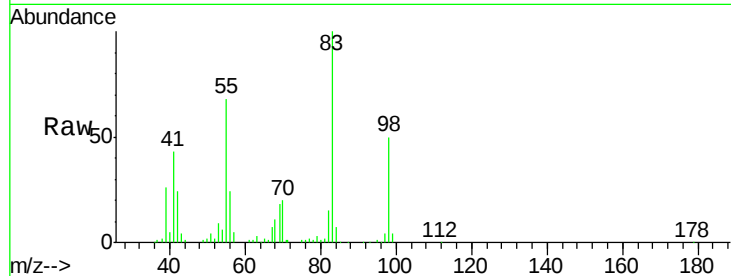
#39
Methvlcvclohexane
Concen: 46.503 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	162840		
55	67.4	61.3	91.9	
98	49.6	39.3	58.9	

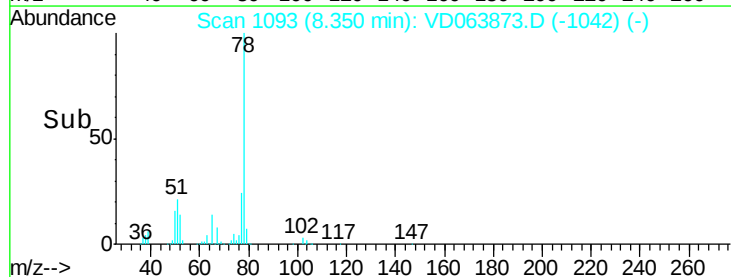
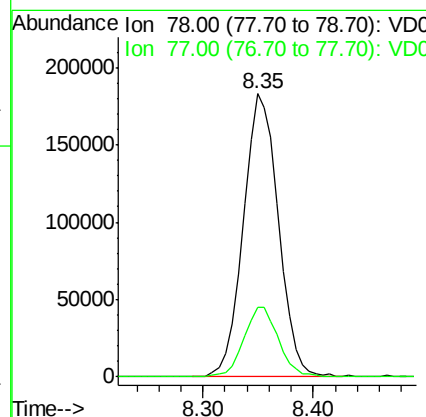
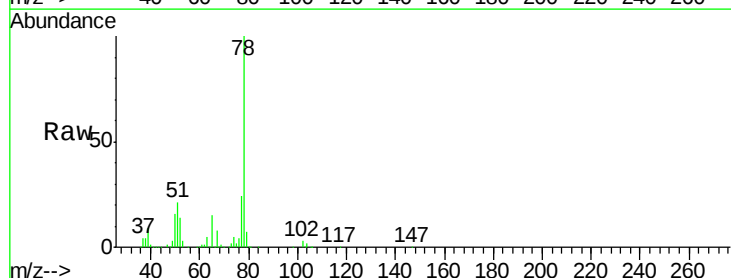
Manual Integrations
APPROVED

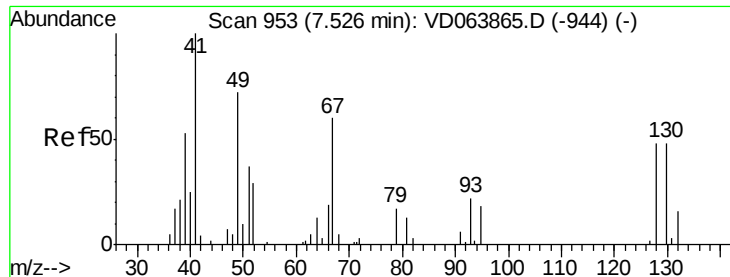
MMDadoda
10/3/2019 12:55:55 PM



#40
Benzene
Concen: 49.997 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	408047		
77	24.4	19.0	28.6	





#41

Methacrylonitrile

Concen: 47.588 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 31422

Ion Ratio Lower Upper

41 100

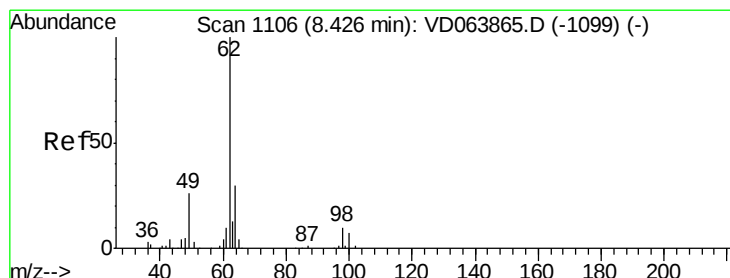
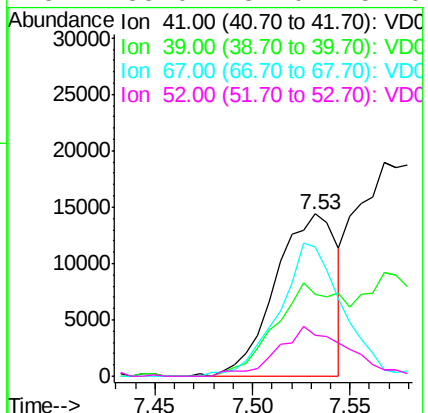
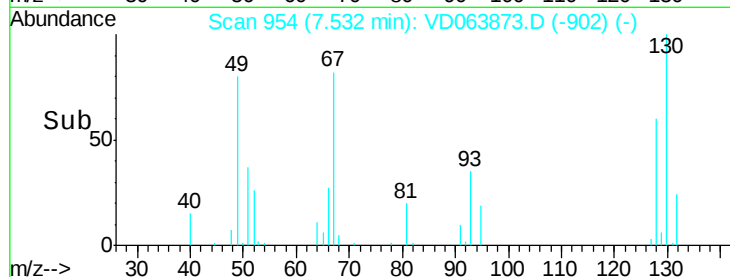
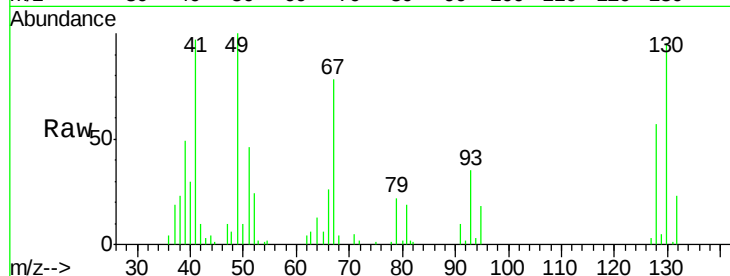
39 63.1 52.6 78.8

67 85.0 74.2 111.2

52 35.0 34.0 51.0

Manual Integrations
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MMDadoda
10/3/2019 12:55:55 PM



#42

1,2-Dichloroethane

Concen: 50.472 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD063873.D

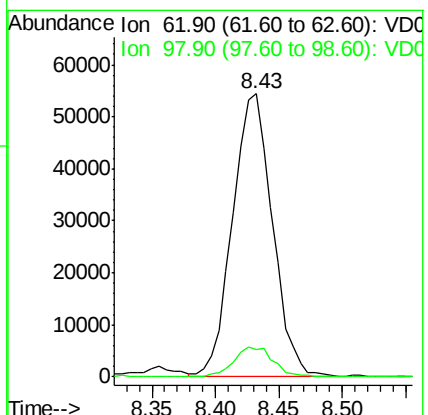
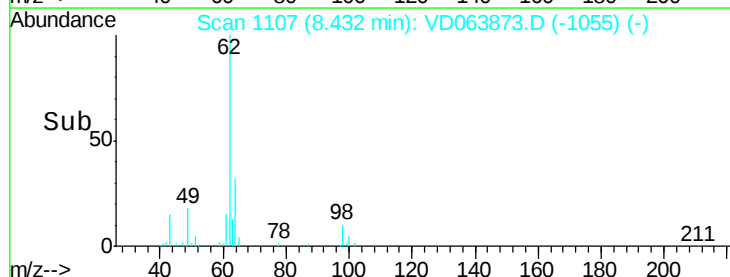
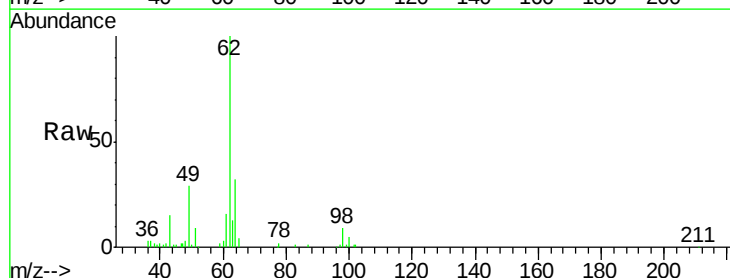
Acq: 02 Oct 2019 21:53

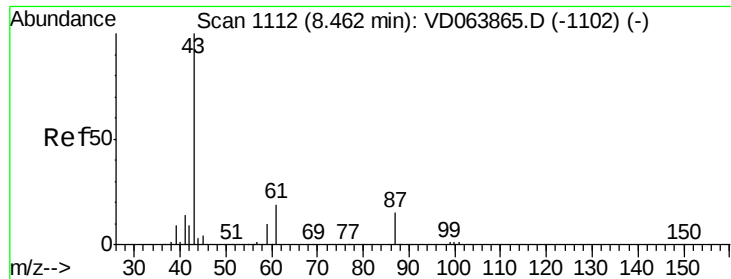
Tgt Ion: 62 Resp: 119156

Ion Ratio Lower Upper

62 100

98 10.2 0.0 20.0





#43

Isopropyl Acetate

Concen: 50.068 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

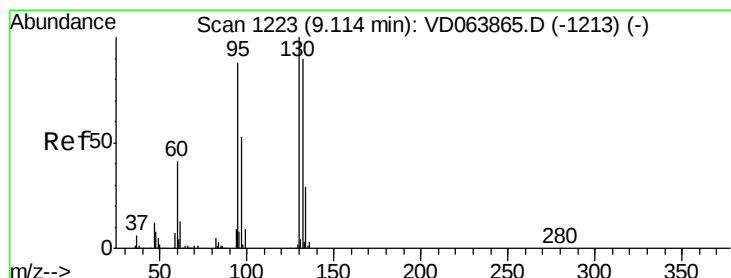
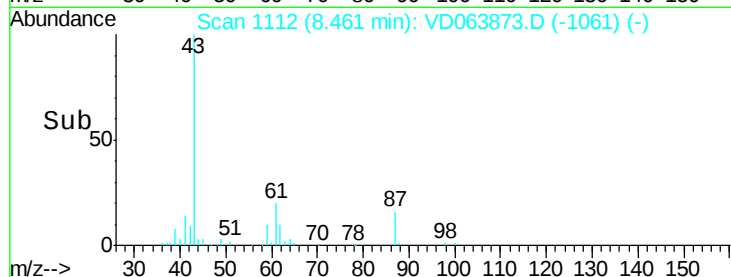
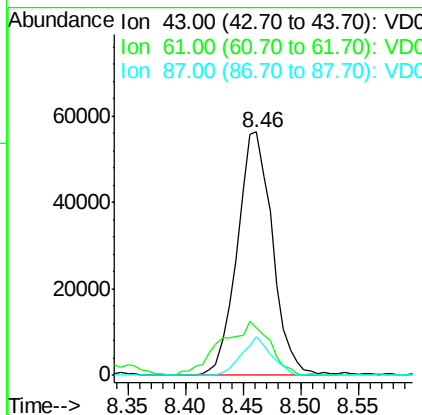
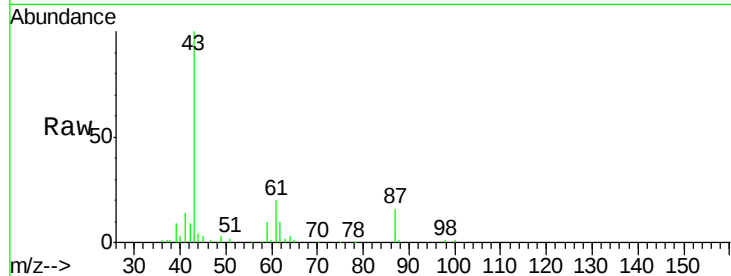
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	119583
Ion	Ratio	Lower	Upper
43	100		
61	31.0	25.7	38.5
87	13.4	11.6	17.4

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#44

Trichloroethene

Concen: 48.004 ug/l

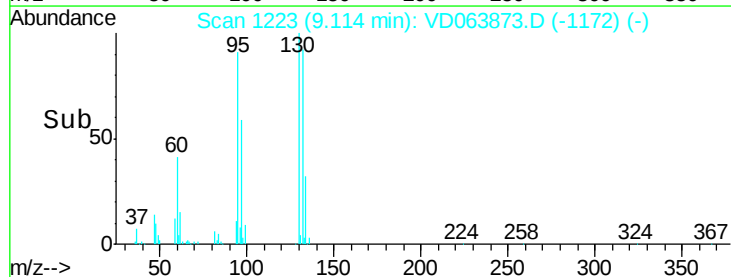
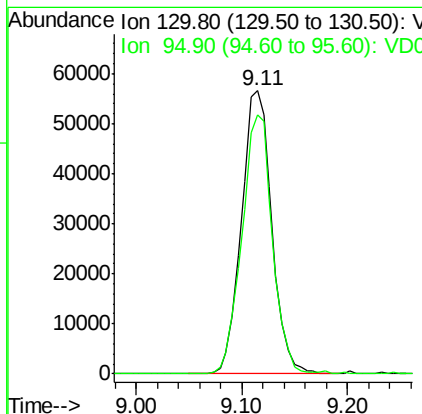
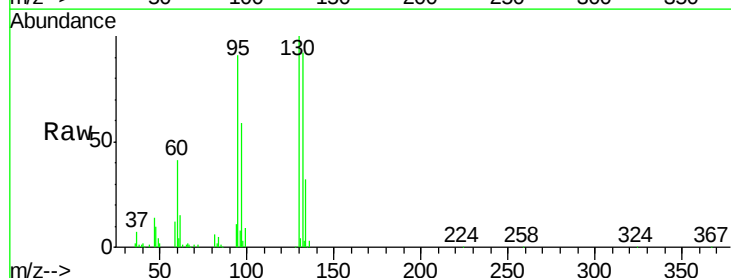
RT: 9.11 min Scan# 1223

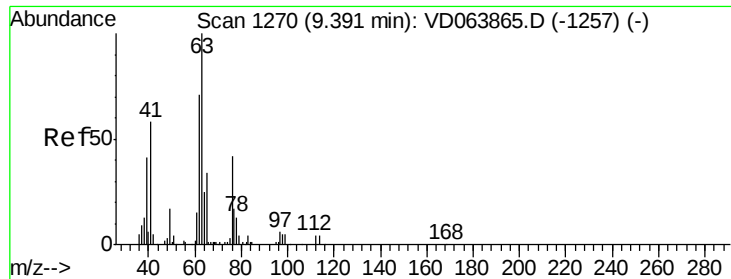
Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Tgt Ion:	130	Resp:	112975
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	175.6





#45

1,2-Dichloropropane

Concen: 50.054 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 99989

Ion Ratio Lower Upper

63 100

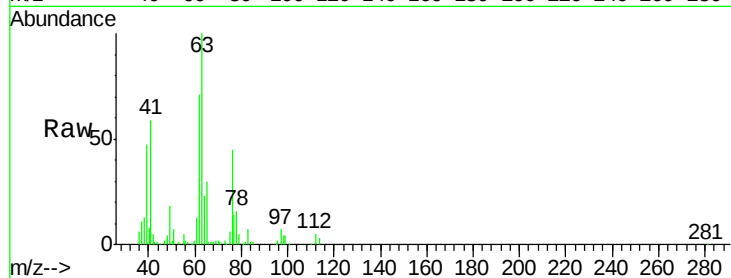
65 30.1 27.3 40.9

Manual Integrations

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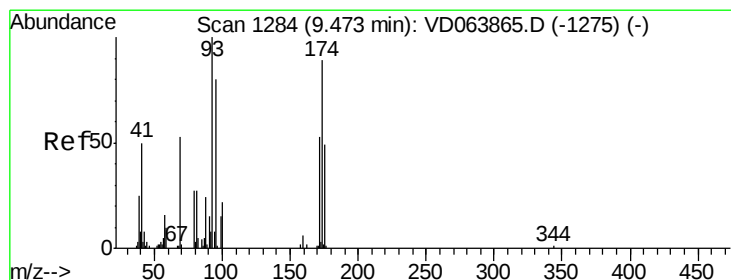
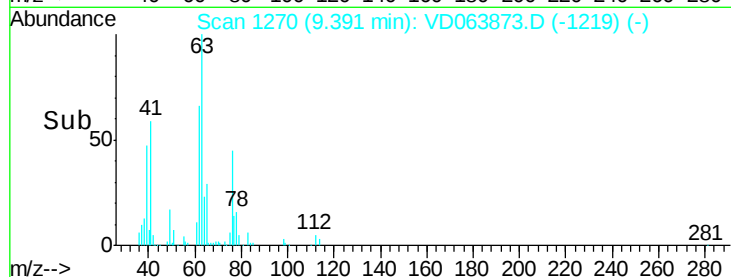
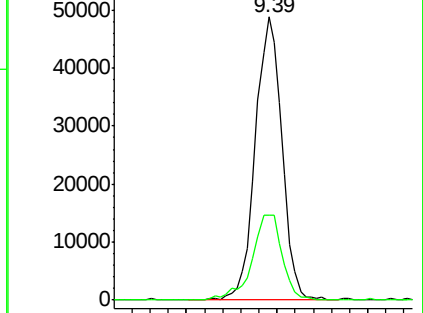
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.799 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

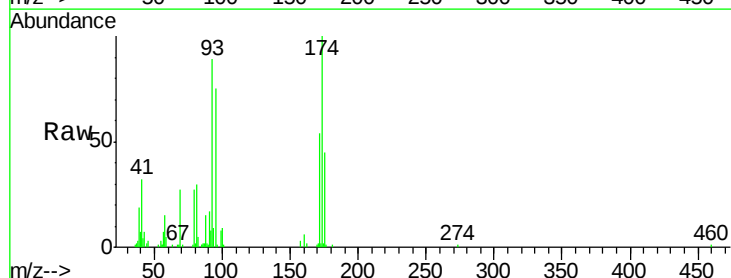
Tgt Ion: 93 Resp: 57792

Ion Ratio Lower Upper

93 100

95 85.7 66.0 99.0

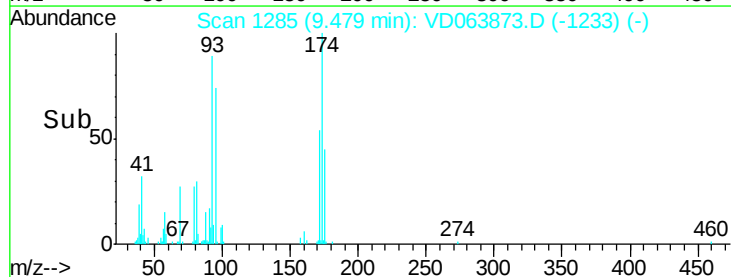
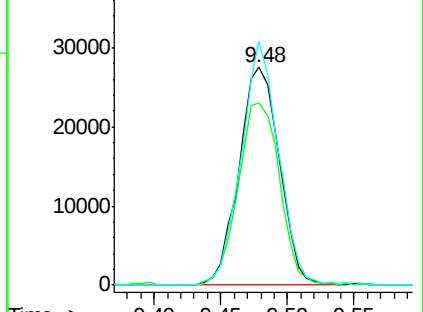
174 103.0 83.4 125.0

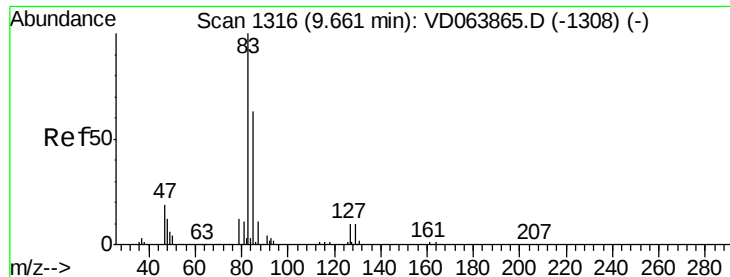


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





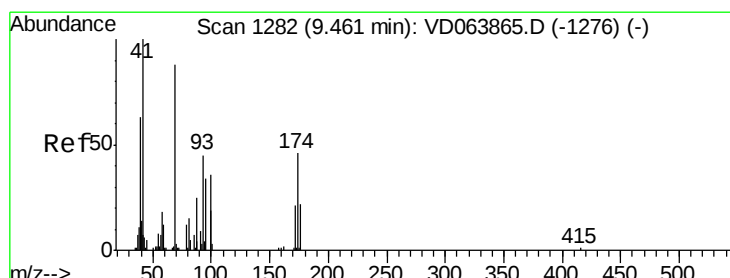
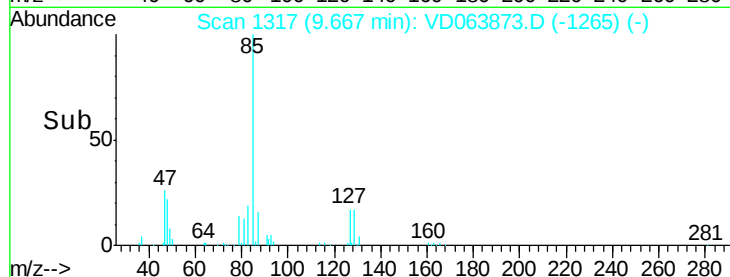
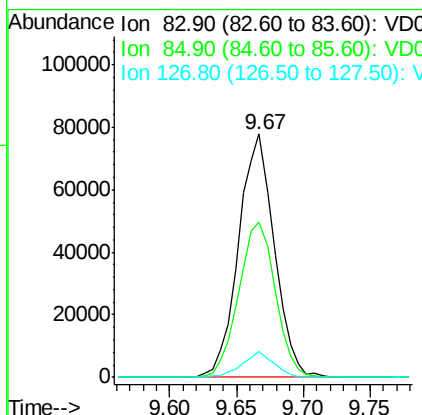
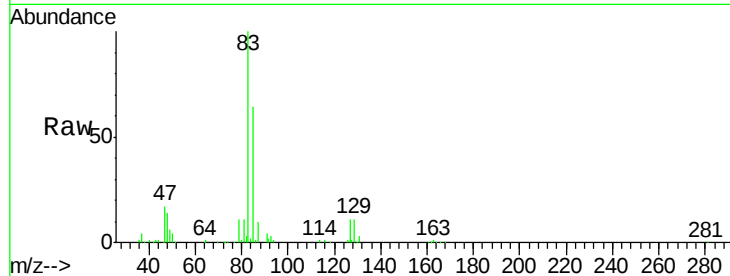
#47
Bromodichloromethane
Concen: 49.220 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	144170
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.2	75.2
127	10.6	7.6	11.4

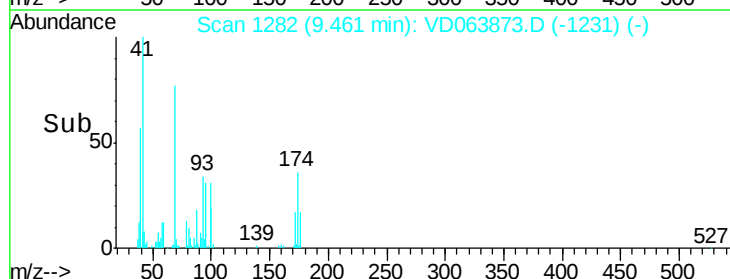
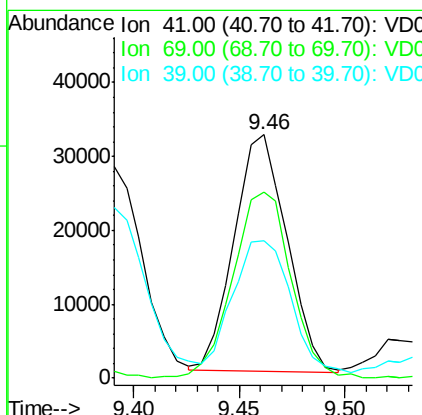
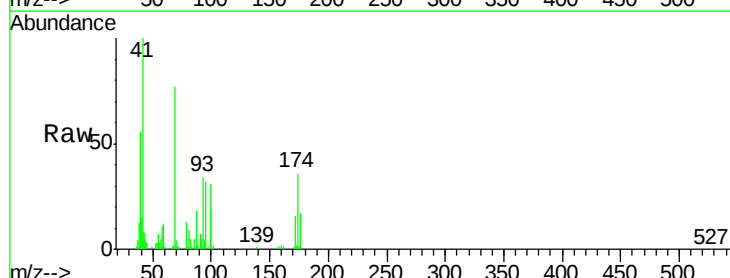
Manual Integrations
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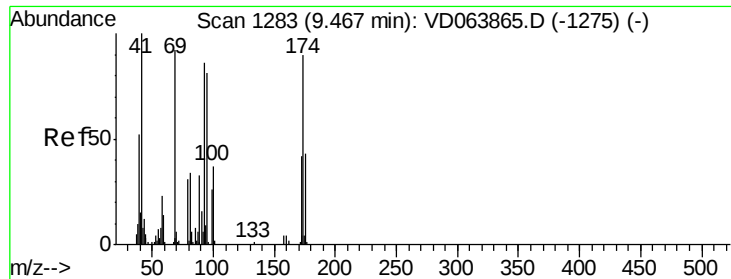
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#48
Methyl methacrylate
Concen: 48.629 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion	41	Resp	55649
Ion	Ratio	Lower	Upper
41	100		
69	86.5	75.1	112.7
39	66.5	50.2	75.2





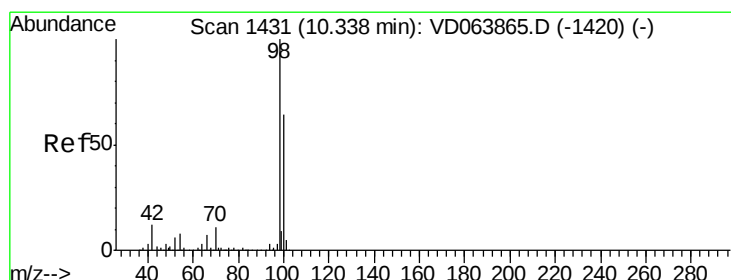
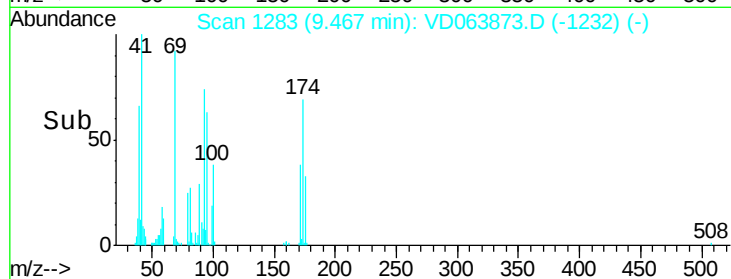
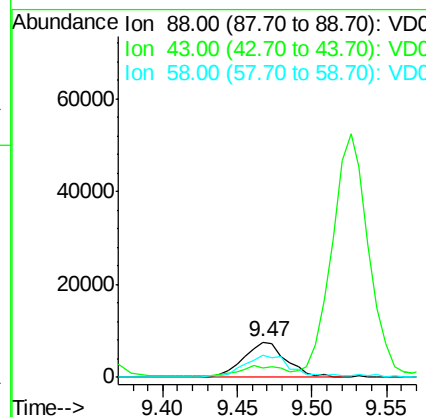
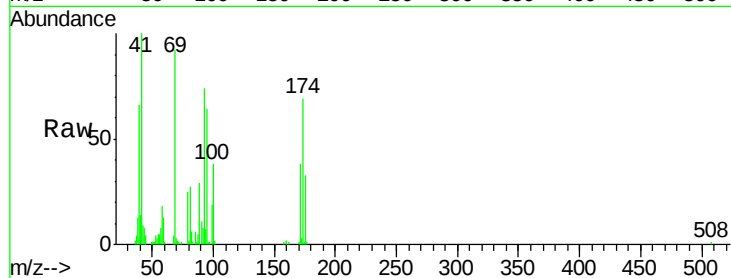
#49
1,4-Dioxane
Concen: 955.879 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.6	27.6	41.4
58	70.8	54.1	81.1

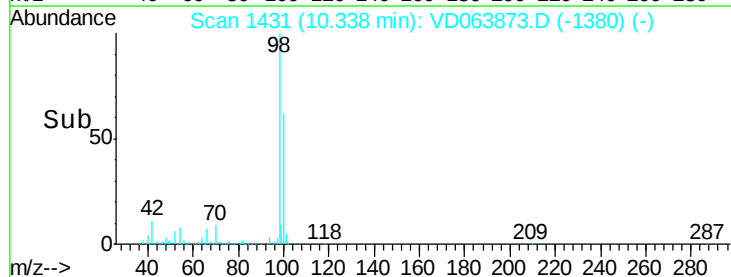
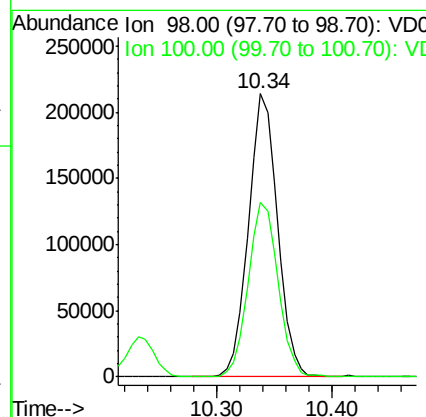
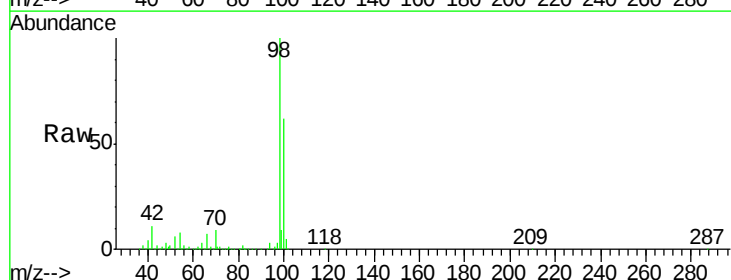
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#50
Toluene-d8
Concen: 48.610 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 248.933 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 308347

Ion Ratio Lower Upper

43 100

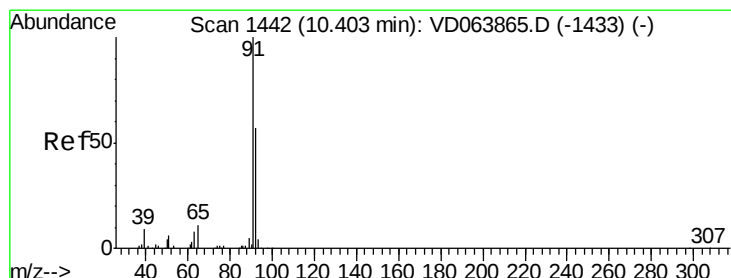
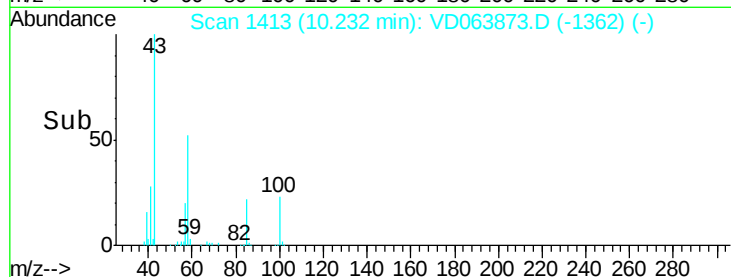
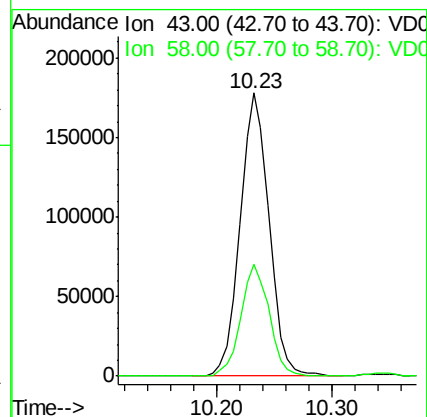
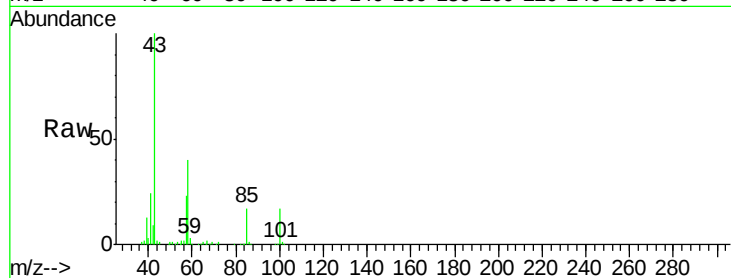
58 38.9 33.0 49.4

Manual Integrations

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#52

Toluene

Concen: 48.986 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063873.D

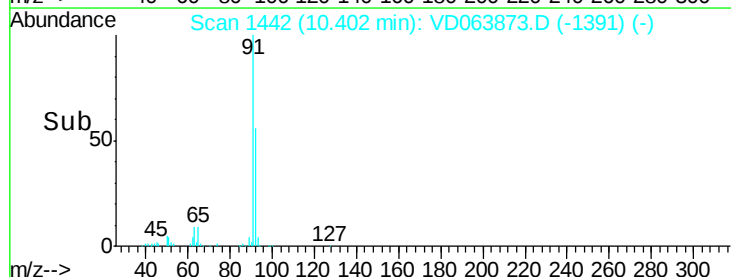
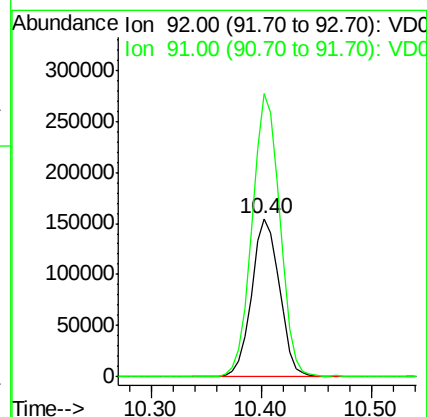
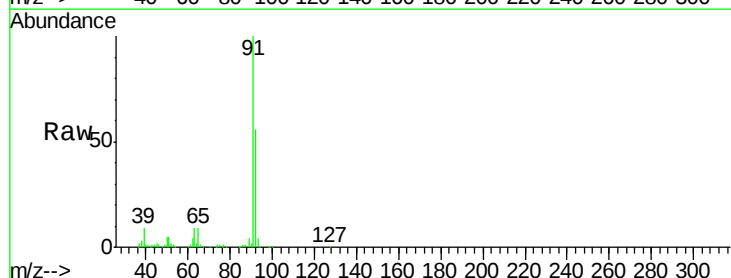
Acq: 02 Oct 2019 21:53

Tgt Ion: 92 Resp: 274448

Ion Ratio Lower Upper

92 100

91 178.6 139.5 209.3





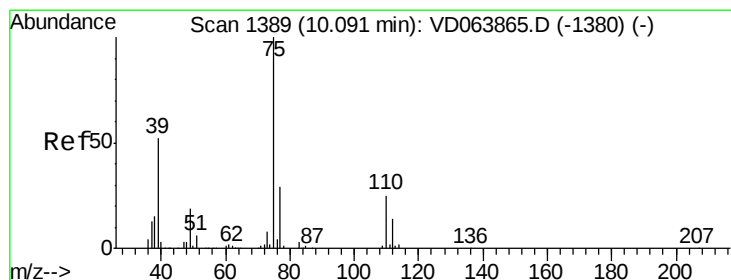
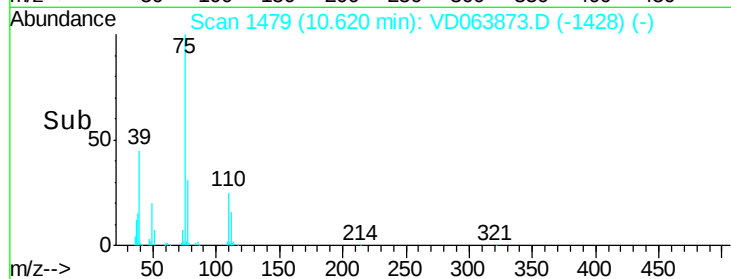
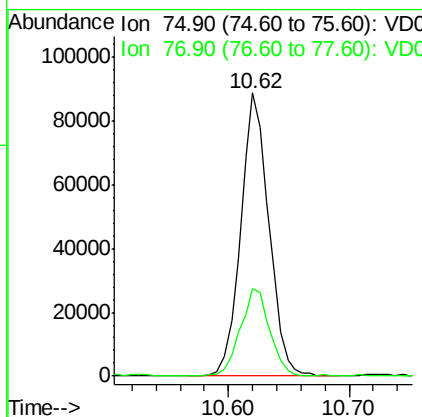
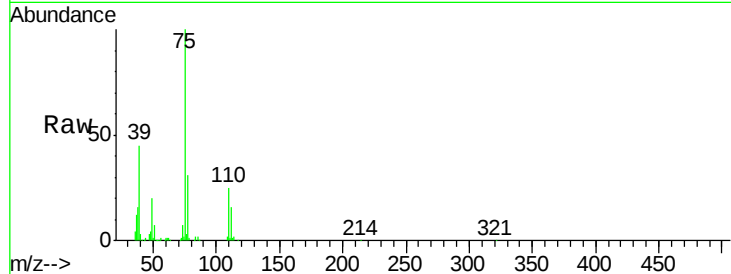
#53
 t-1,3-Dichloropropene
 Concen: 50.453 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 144206
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.8 34.2

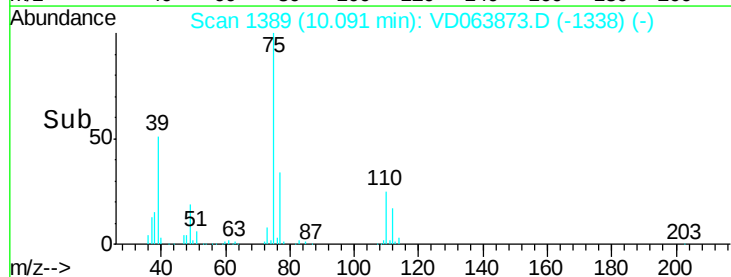
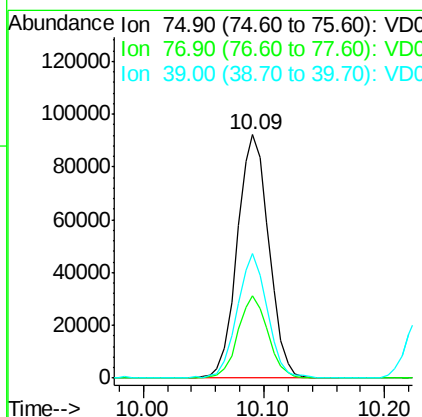
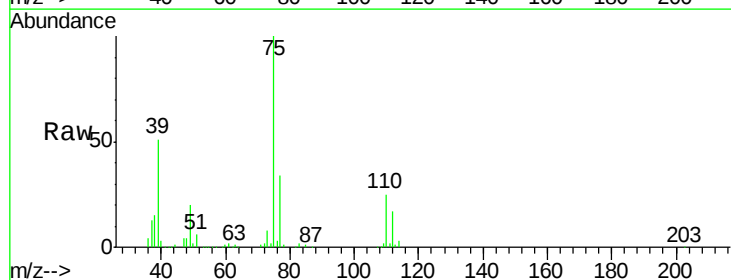
Manual Integrations
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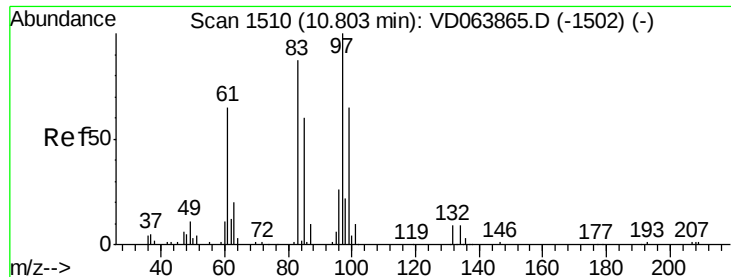
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#54
 cis-1,3-Dichloropropene
 Concen: 51.056 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion: 75 Resp: 167983
 Ion Ratio Lower Upper
 75 100
 77 33.8 23.2 34.8
 39 51.0 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 50.221 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 80672

Ion Ratio Lower Upper

97 100

83 85.4 69.7 104.5

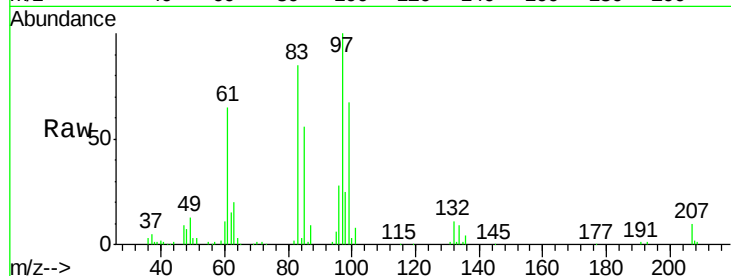
85 56.0 48.1 72.1

99 66.8 51.9 77.9

Manual Integrations
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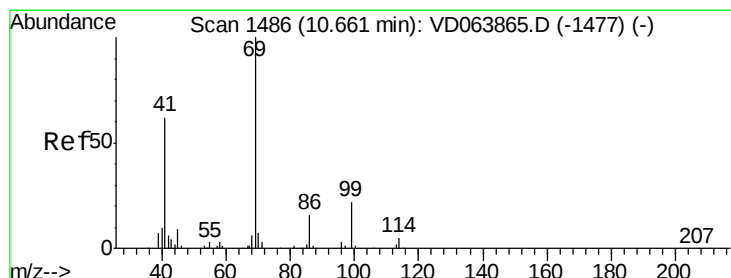
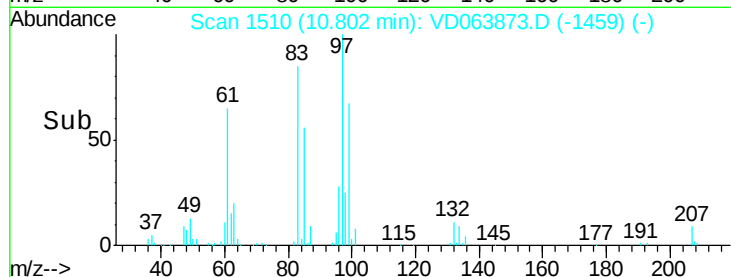
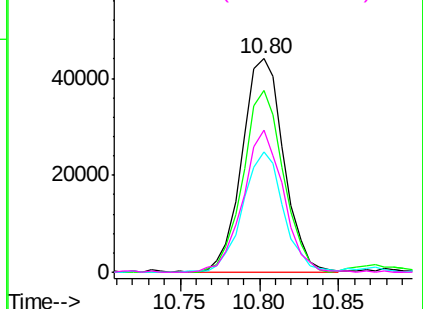


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 50.725 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

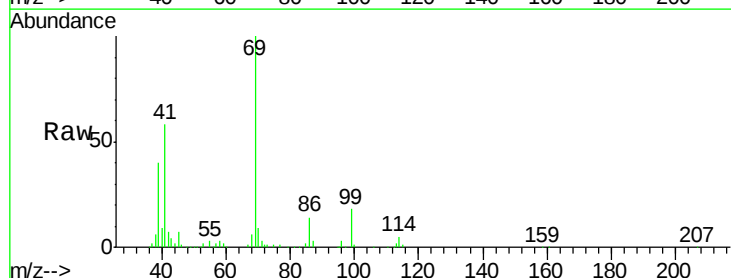
Tgt Ion: 69 Resp: 103185

Ion Ratio Lower Upper

69 100

41 63.0 51.3 76.9

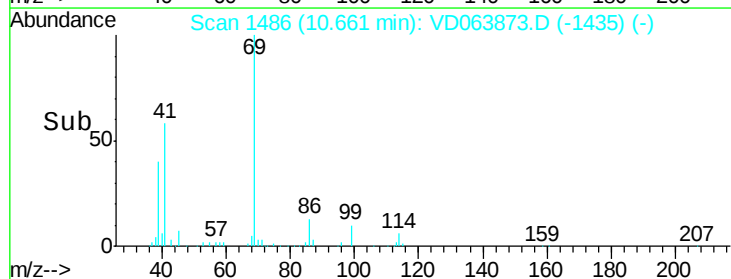
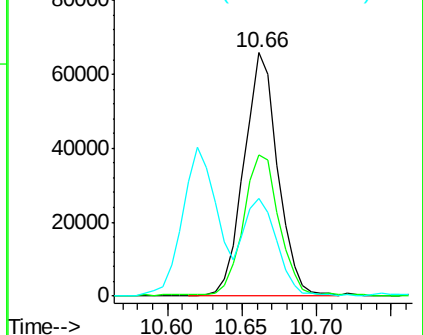
39 39.9 28.0 42.0

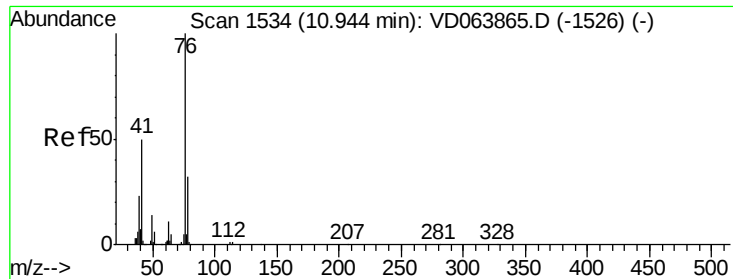


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





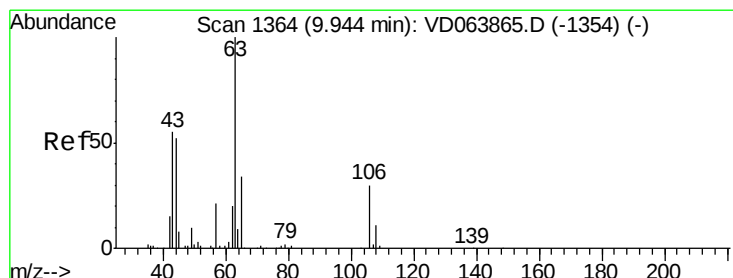
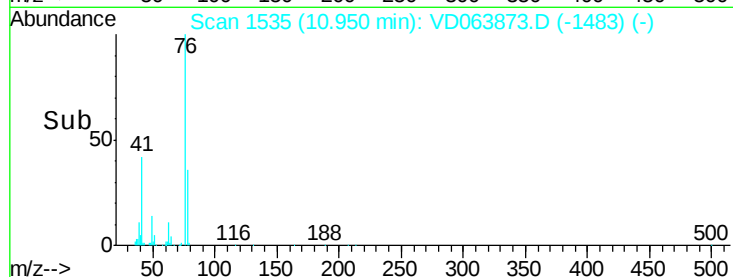
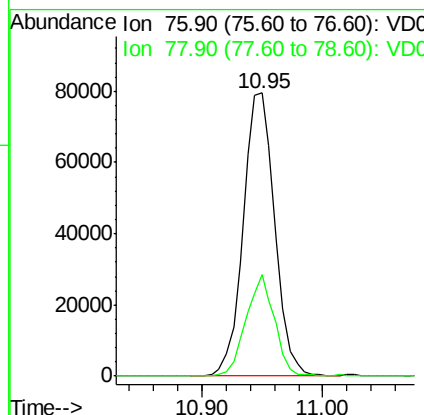
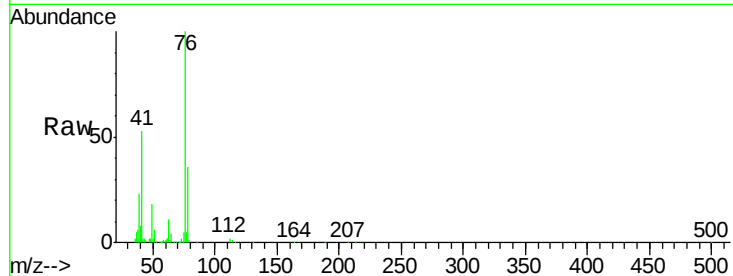
#57
 1,3-Dichloropropane
 Concen: 52.624 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 144630
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.6 40.0

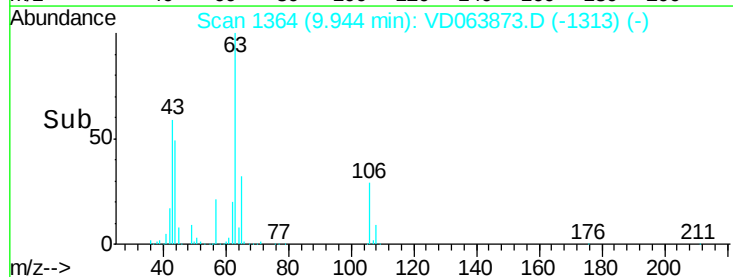
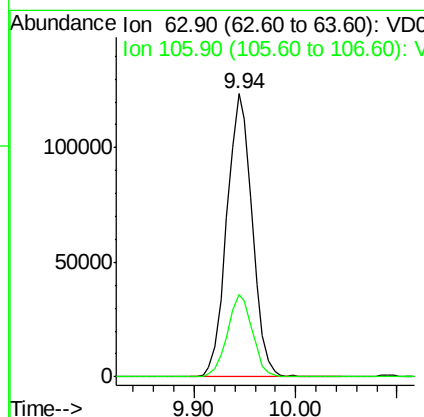
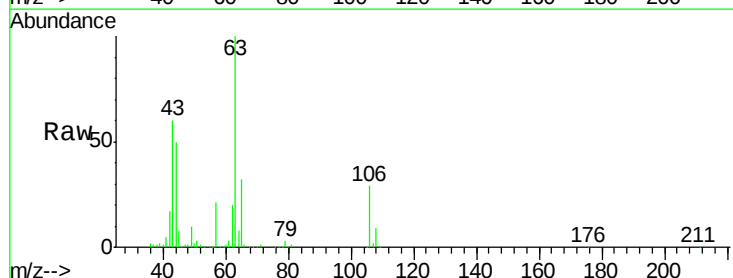
Manual Integrations
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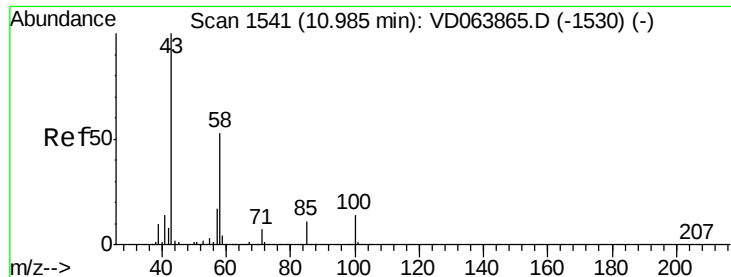
MMDadoda
 10/3/2019 12:55:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.433 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion: 63 Resp: 214601
 Ion Ratio Lower Upper
 63 100
 106 28.7 24.3 36.5





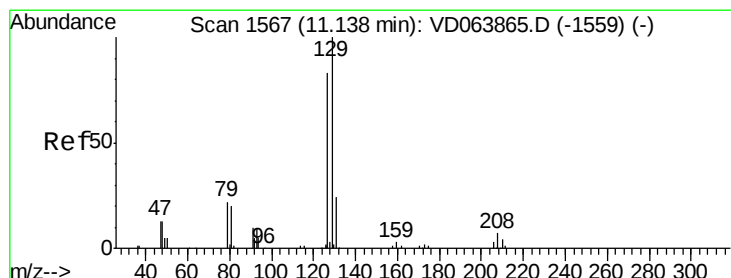
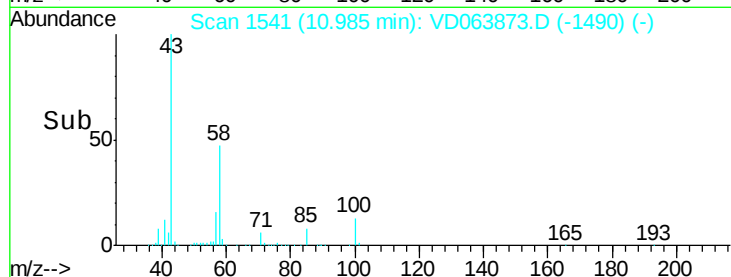
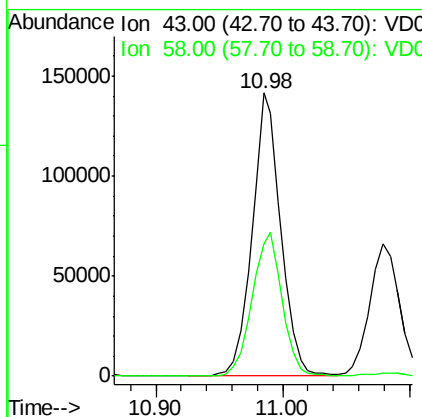
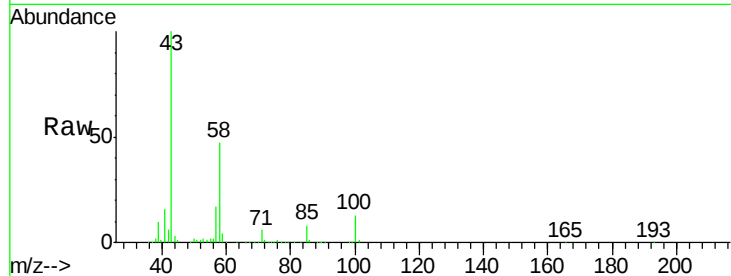
#59
2-Hexanone
Concen: 247.368 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 221647
Ion Ratio Lower Upper
43 100
58 53.0 27.7 83.0

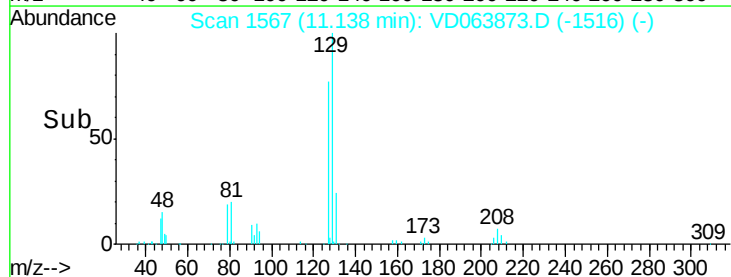
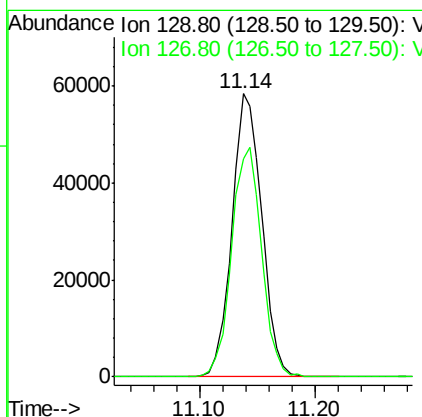
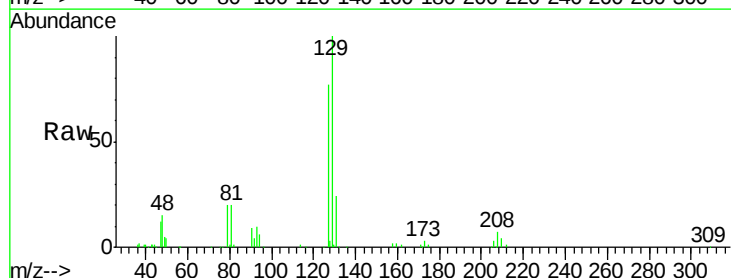
Manual Integrations
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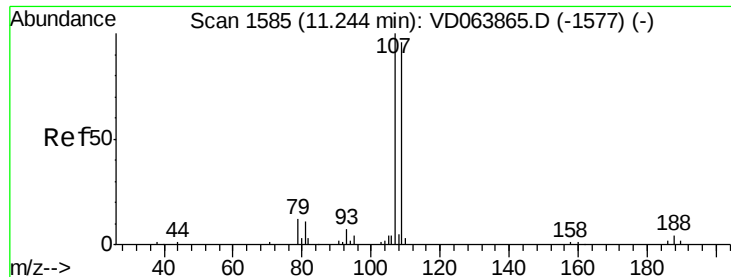
MMDadoda
10/3/2019 12:55:55 PM



#60
Dibromochloromethane
Concen: 49.735 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion: 129 Resp: 104011
Ion Ratio Lower Upper
129 100
127 81.9 39.9 119.6





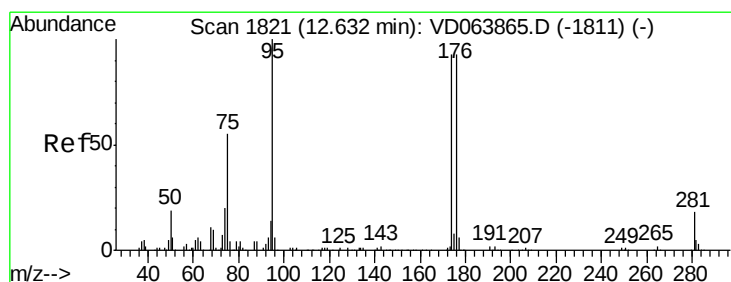
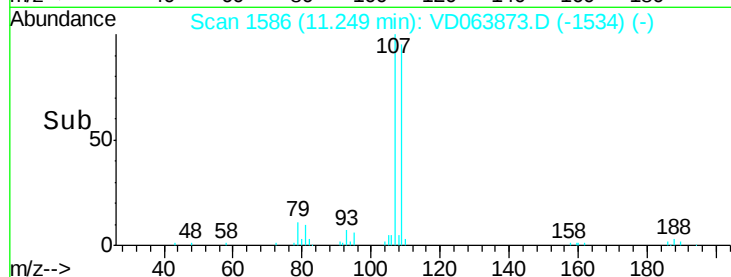
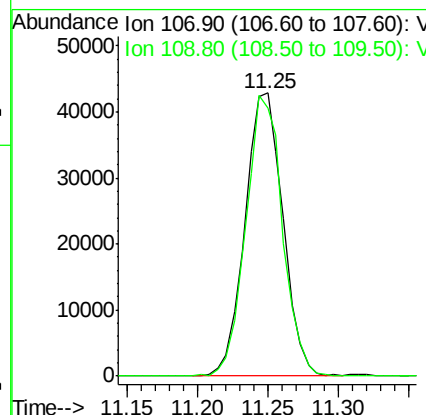
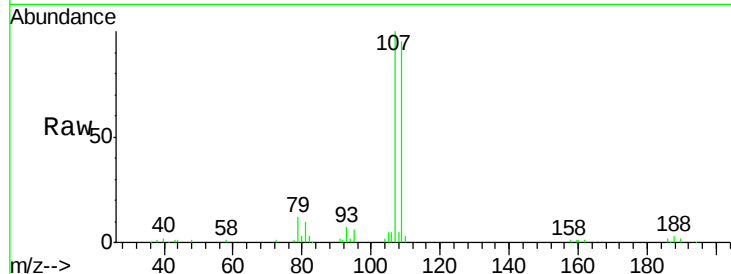
#61
 1,2-Dibromoethane
 Concen: 51.774 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 80627
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.2 112.8

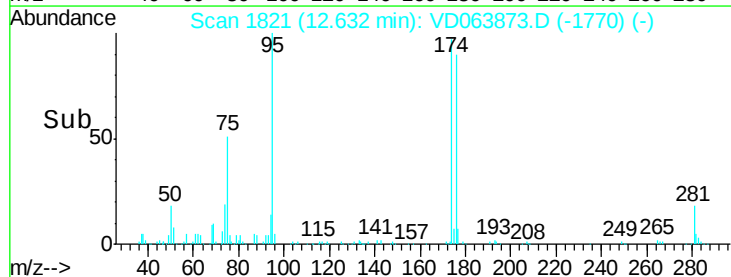
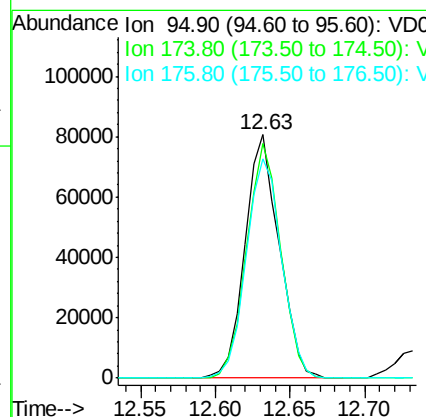
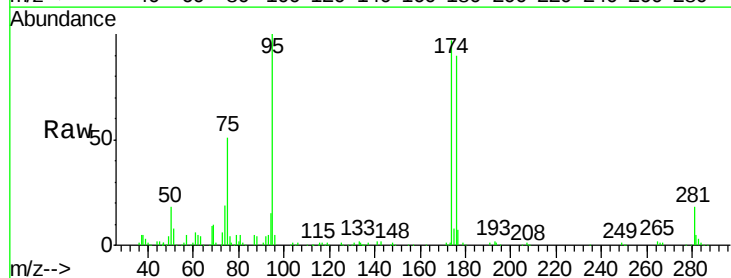
Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:55:55 PM



#62
 4-Bromofluorobenzene
 Concen: 47.620 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion: 95 Resp: 127854
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 186.4
 176 92.9 0.0 184.2





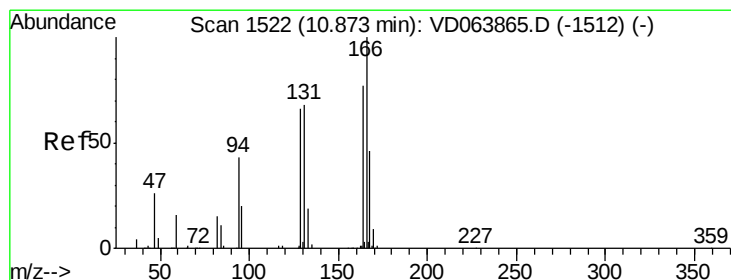
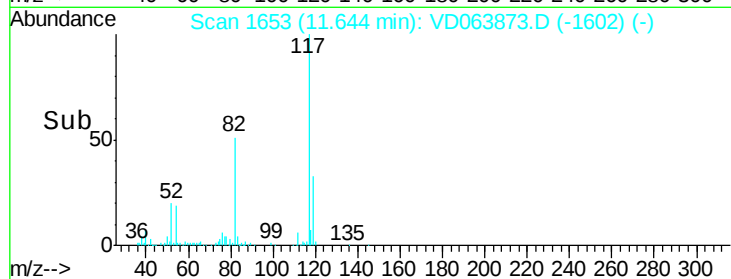
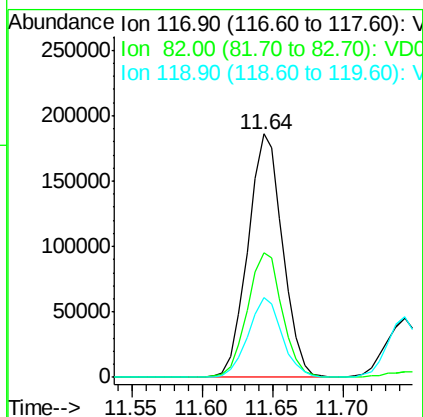
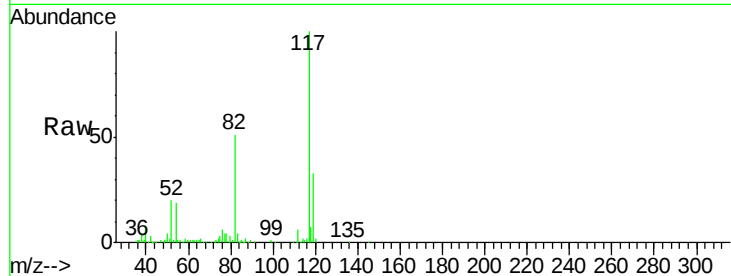
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.8	64.2
119	32.7	24.4	36.6

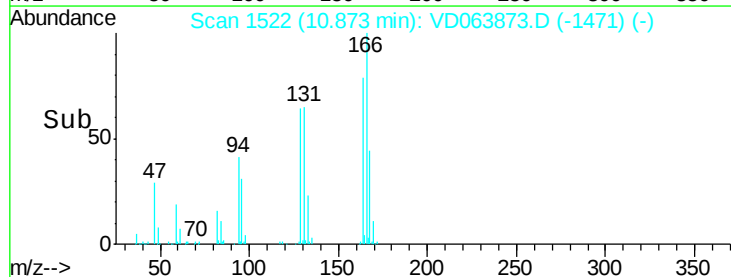
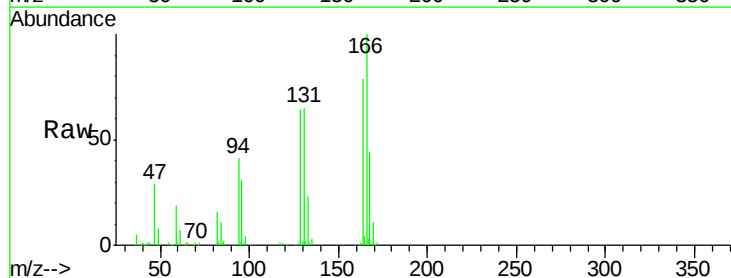
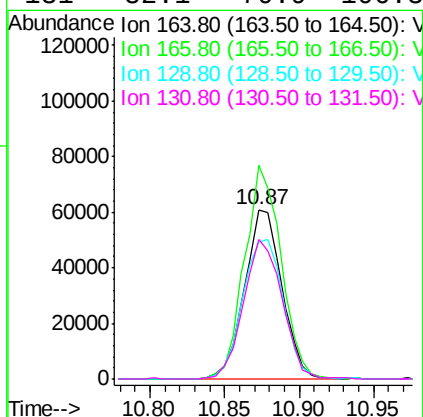
Manual Integrations
APPROVED

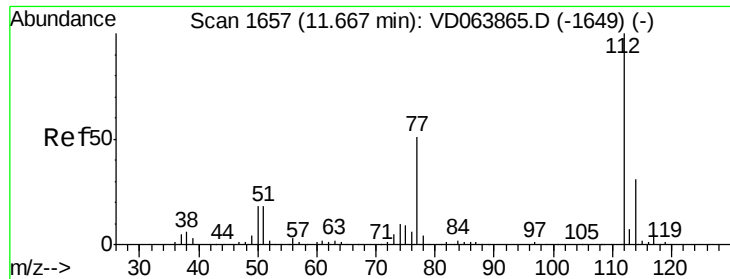
MMDadoda
10/3/2019 12:55:55 PM



#64
Tetrachloroethene
Concen: 47.945 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.8	155.6
129	81.0	68.9	103.3
131	82.1	70.9	106.3





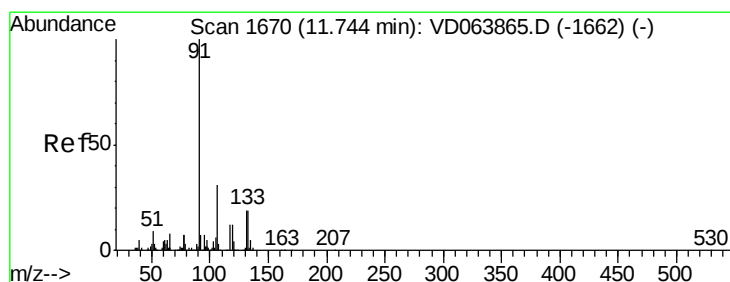
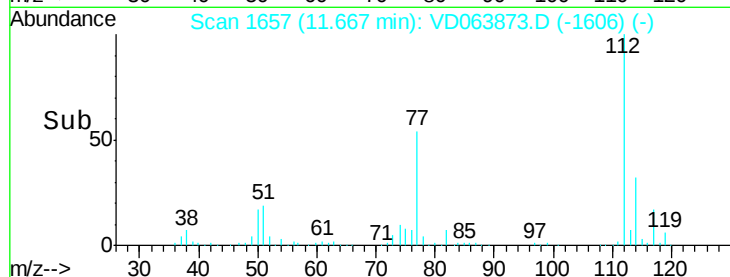
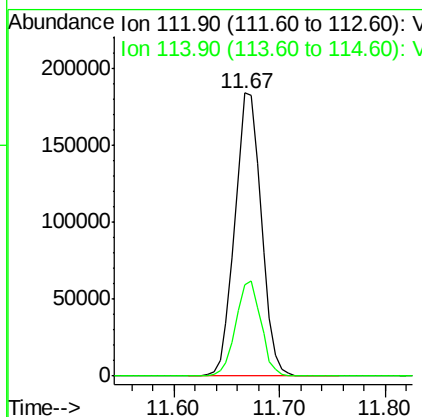
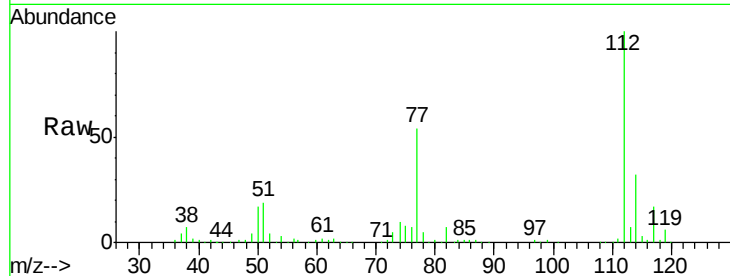
#65
Chlorobenzene
Concen: 49.449 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 319061
Ion Ratio Lower Upper
112 100
114 32.2 25.1 37.7

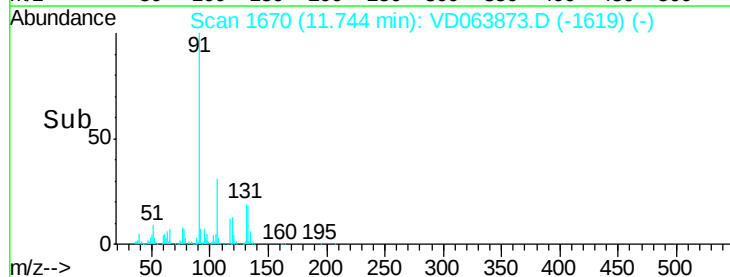
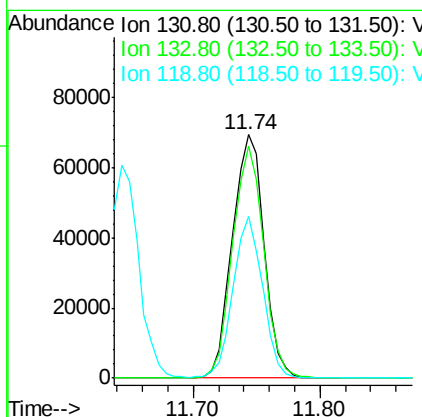
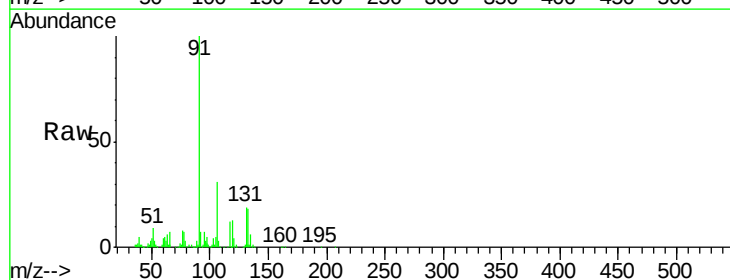
Manual Integrations
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10/3/2019 12:55:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.418 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion:131 Resp: 119870
Ion Ratio Lower Upper
131 100
133 93.4 48.9 146.7
119 62.0 32.6 97.8





#67

Ethyl Benzene

Concen: 49.275 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 91 Resp: 573311

Ion Ratio Lower Upper

91 100

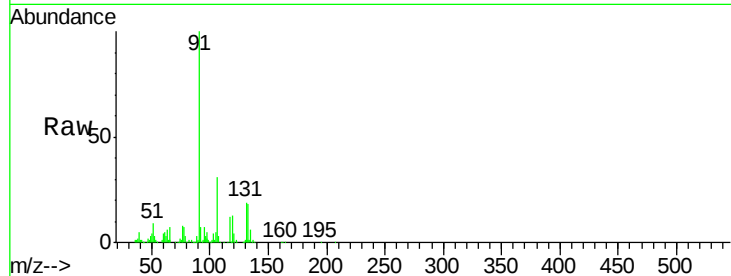
106 30.6 24.6 37.0

Manual Integrations

APPROVED

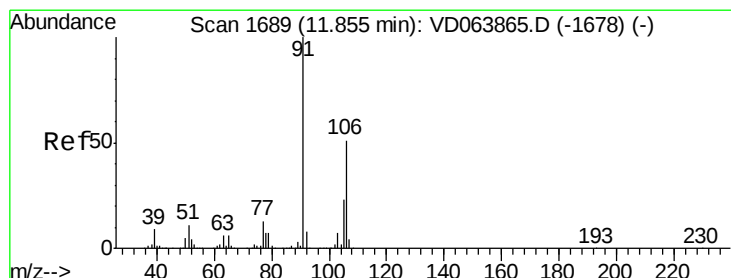
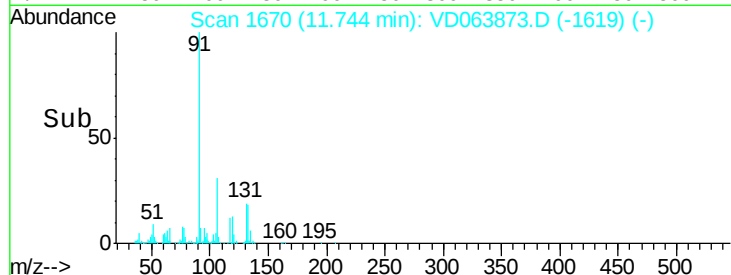
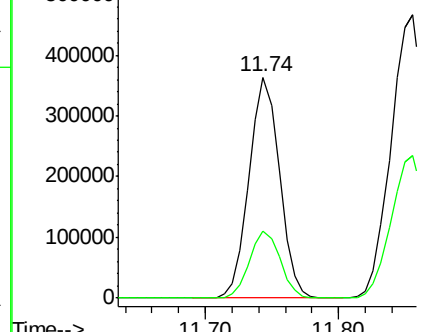
MMDadoda

10/3/2019 12:55:55 PM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 98.149 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063873.D

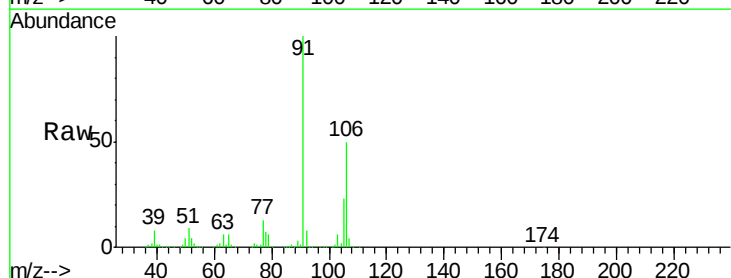
Acq: 02 Oct 2019 21:53

Tgt Ion: 106 Resp: 440766

Ion Ratio Lower Upper

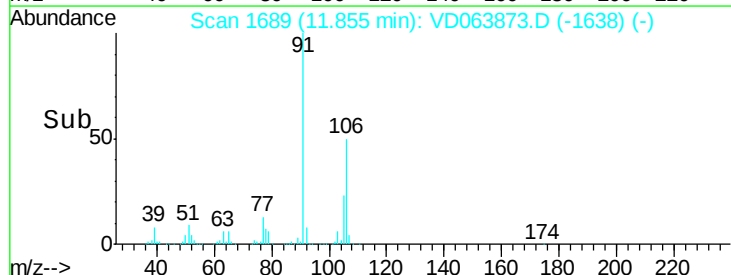
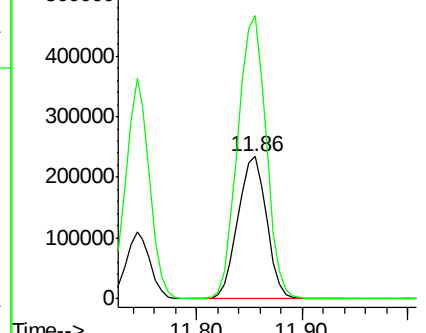
106 100

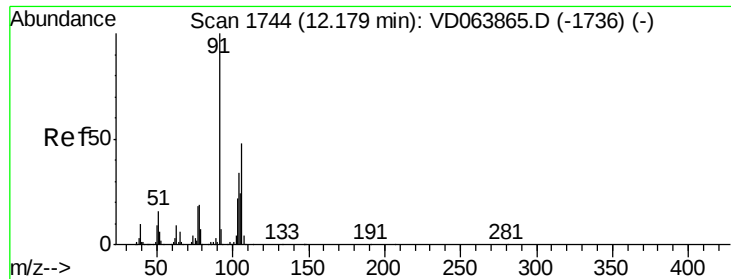
91 196.7 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





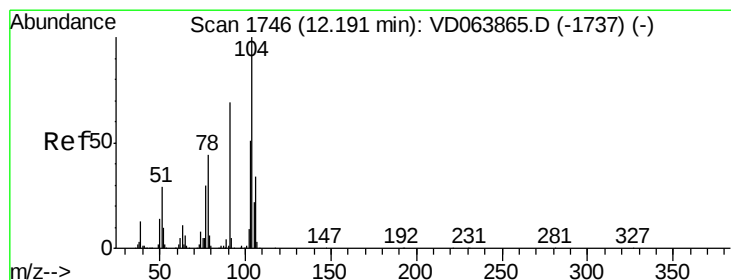
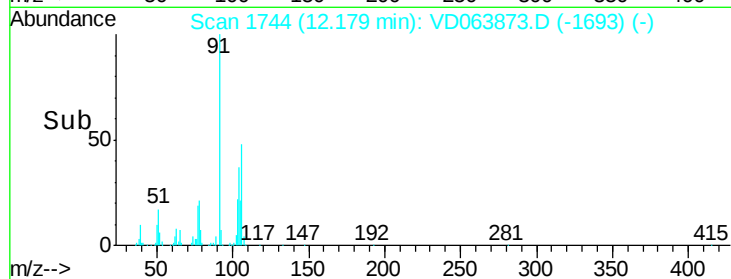
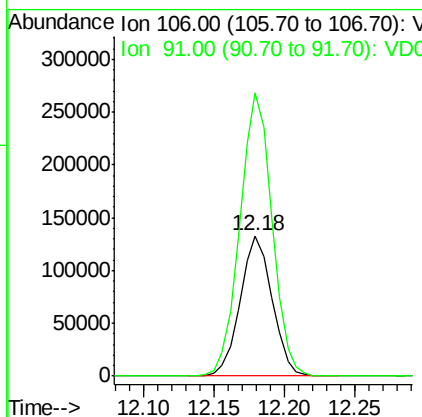
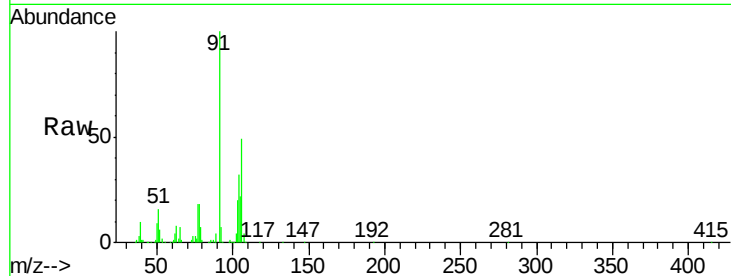
#69
o-Xylene
Concen: 48.962 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.2	103.9	311.7

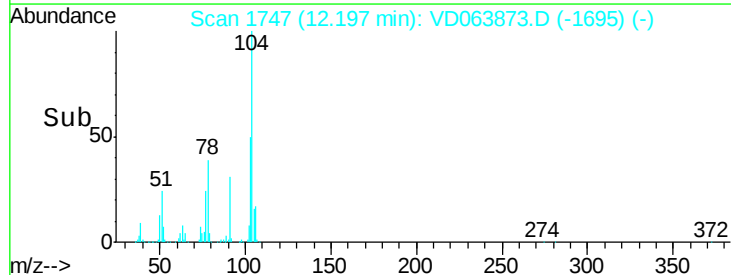
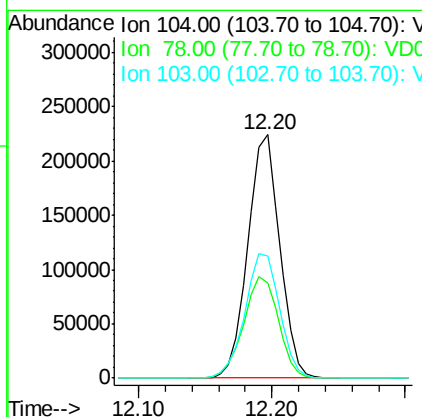
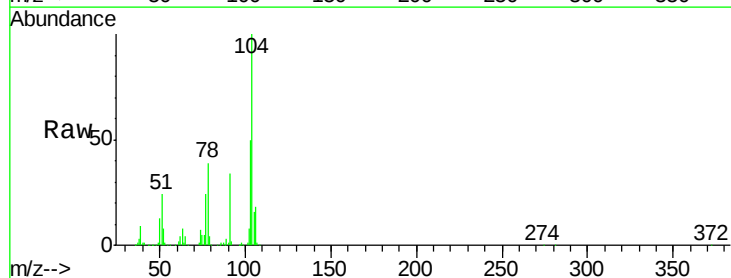
Manual Integrations
APPROVED

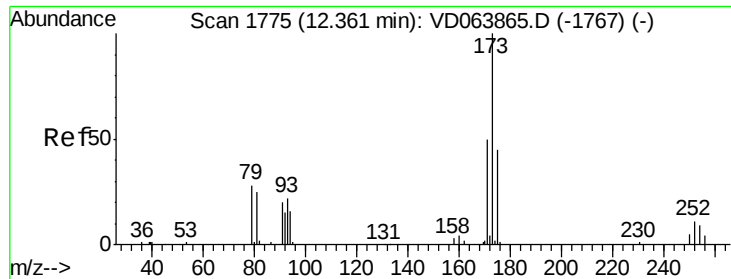
MMDadoda
10/3/2019 12:55:55 PM



#70
Styrene
Concen: 50.733 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.8	37.0	55.4
103	55.8	44.2	66.4





#71

Bromoform

Concen: 51.826 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

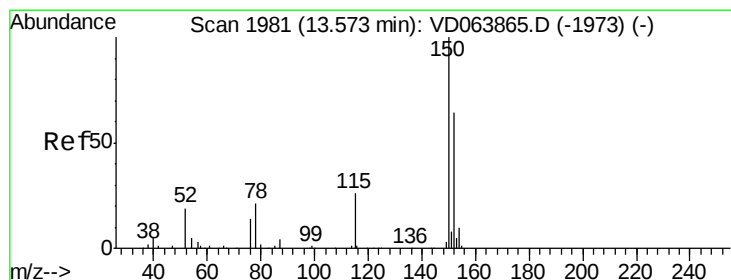
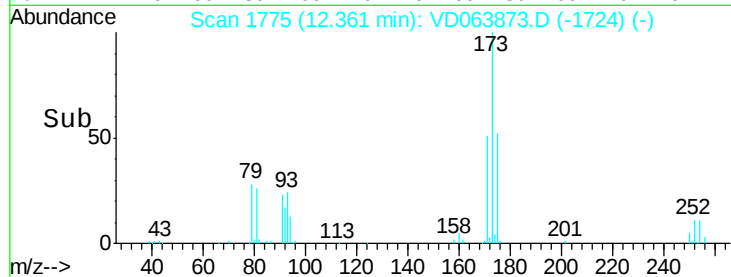
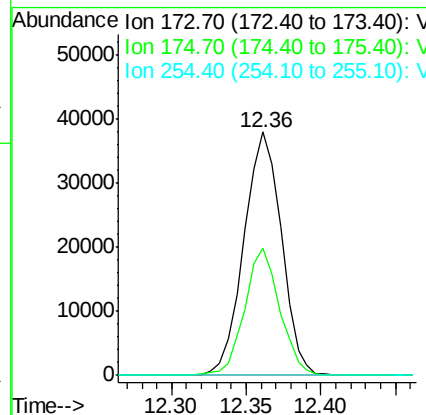
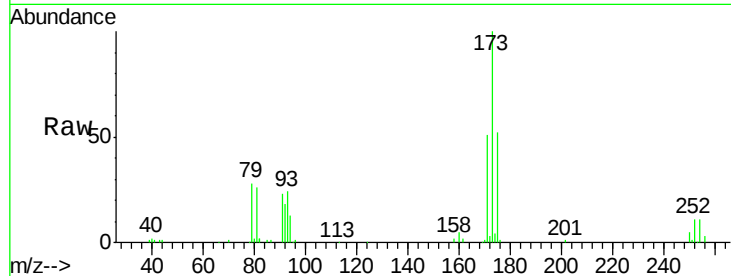
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	66128
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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10/3/2019 12:55:55 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

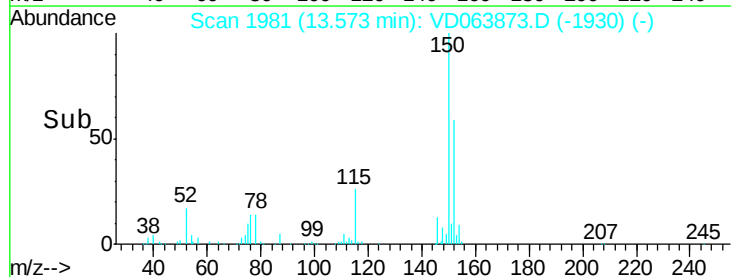
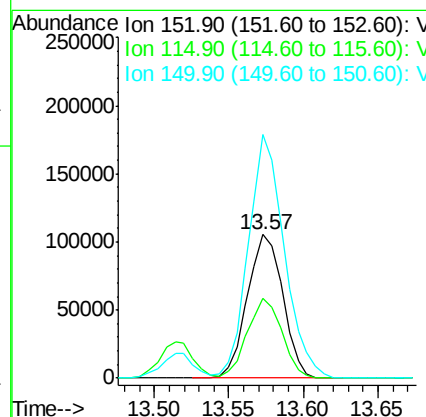
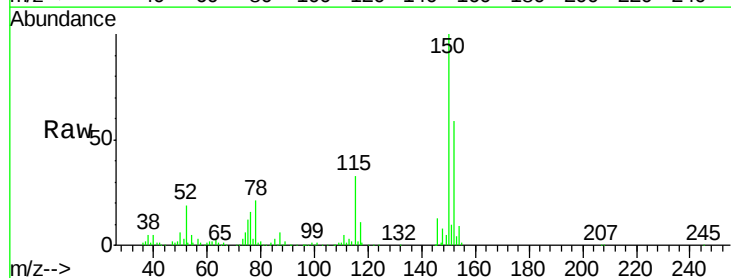
RT: 13.57 min Scan# 1981

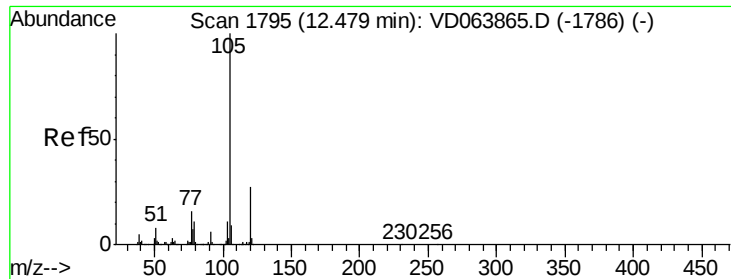
Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Tgt Ion:	152	Resp:	173222
Ion Ratio	Lower	Upper	
152	100		
115	54.5	25.9	77.7
150	171.7	0.0	344.2





#73

Isopropylbenzene

Concen: 47.181 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 549411

Ion Ratio Lower Upper

105 100

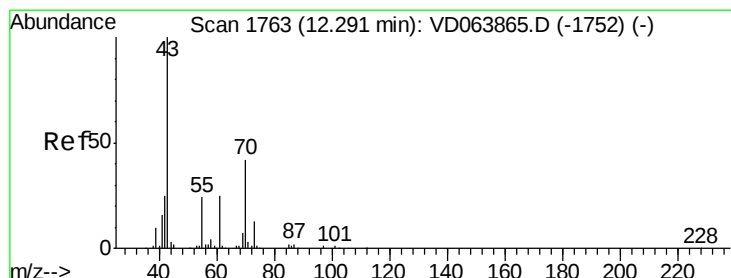
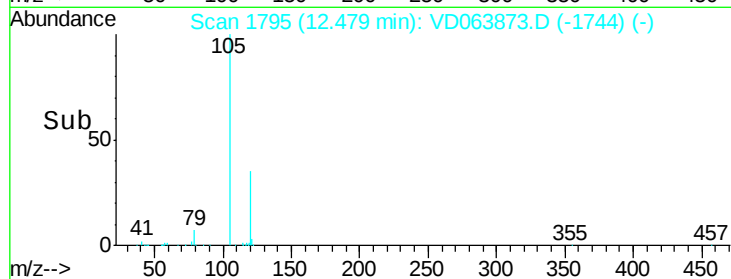
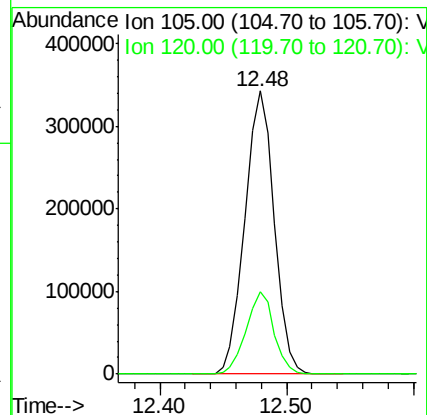
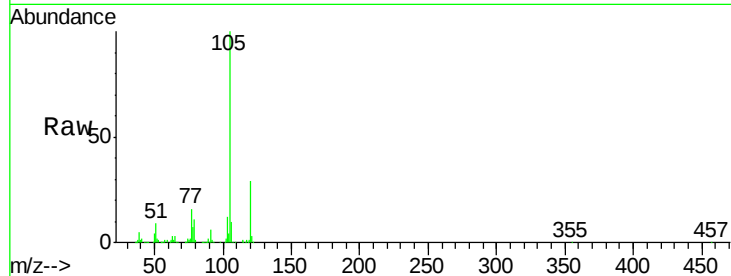
120 27.7 13.3 39.8

Manual Integrations

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MMDadoda

10/3/2019 12:55:55 PM



#74

N-ethyl acetate

Concen: 46.822 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Tgt Ion: 43 Resp: 117390

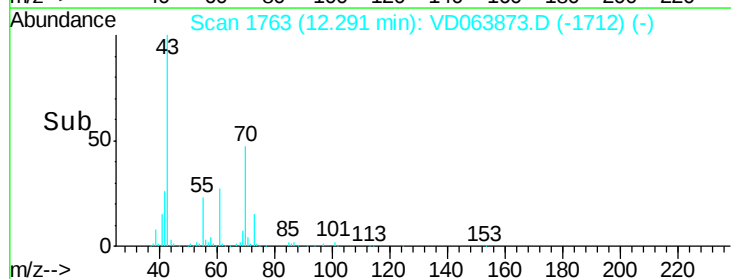
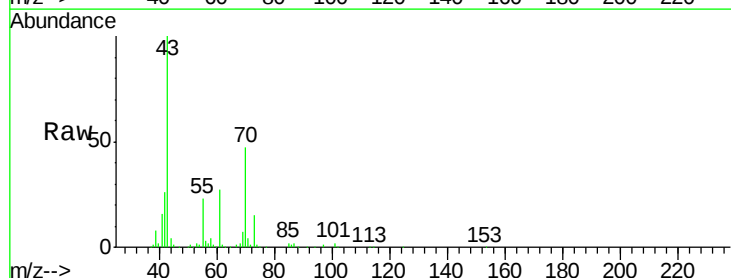
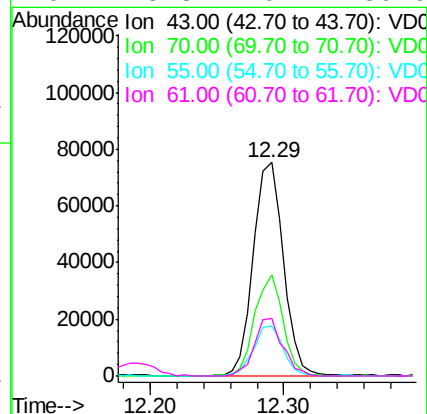
Ion Ratio Lower Upper

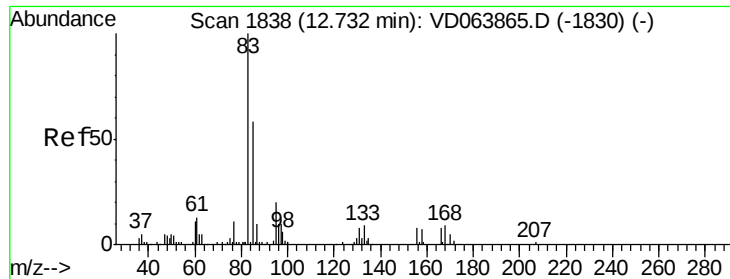
43 100

70 44.2 35.8 53.6

55 23.2 19.4 29.0

61 25.3 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.557 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

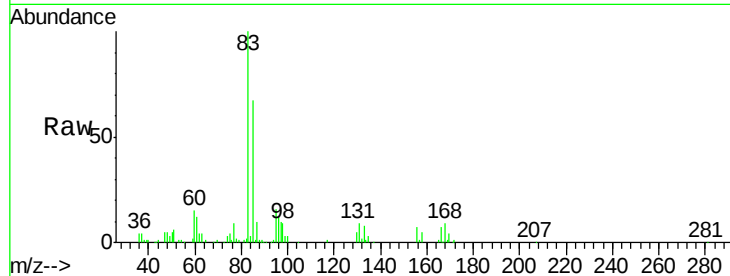
ClientSampleId :

VSTDCCC050EC

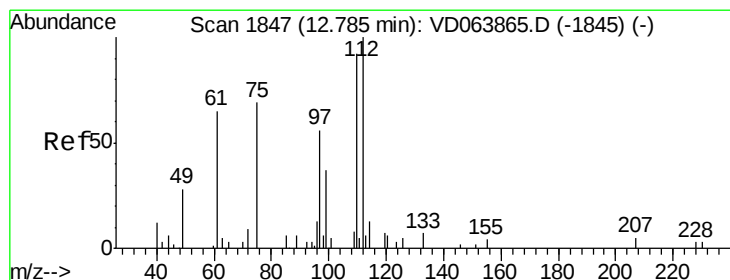
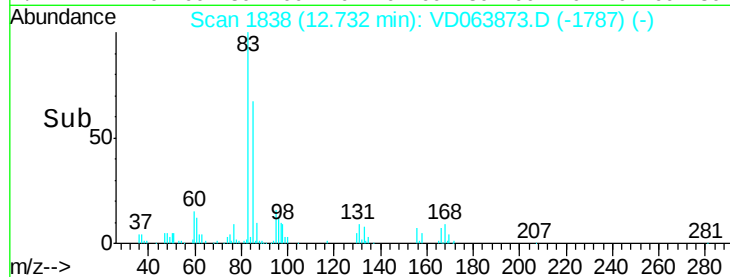
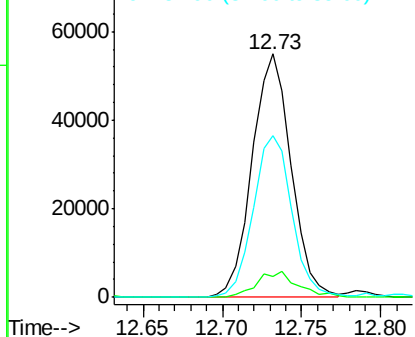
Tot Ion:	83	Resp:	94341
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	66.0	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 49.925 ug/l m

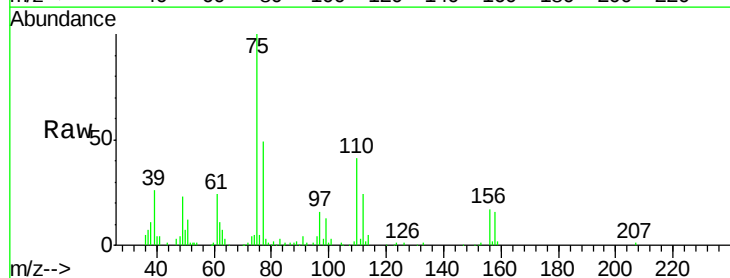
RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

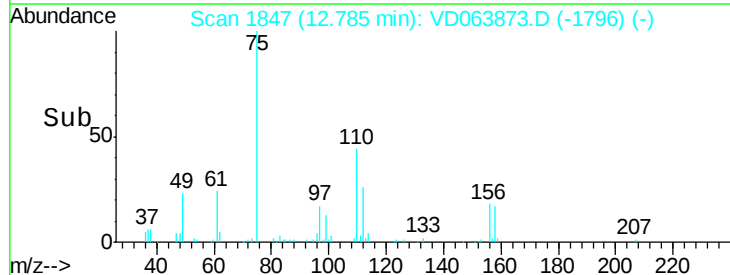
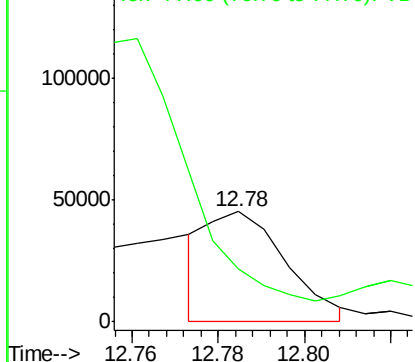
Lab File: VD063873.D

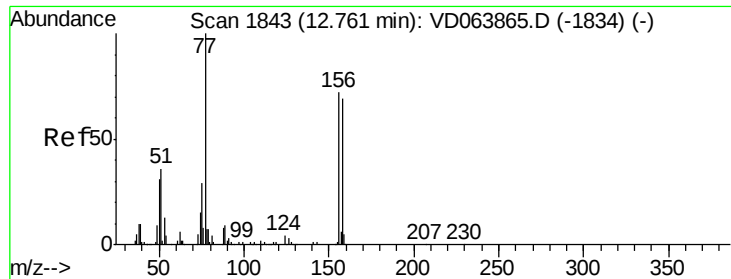
Acq: 02 Oct 2019 21:53

Tgt Ion:	75	Resp:	57923
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 47.420 ug/l

RT: 12.76 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

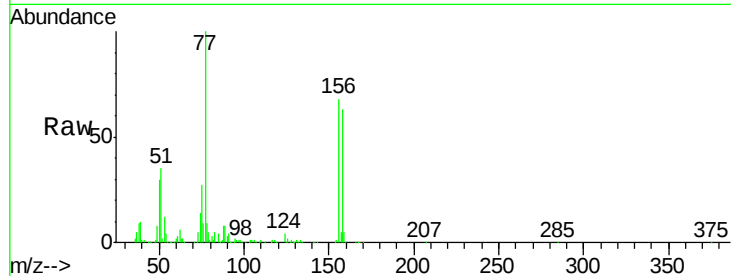
ClientSampleId :

VSTDCCC050EC

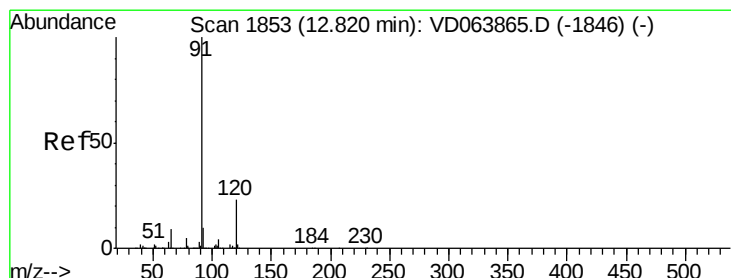
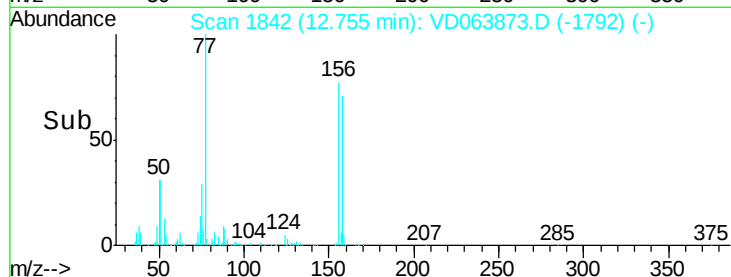
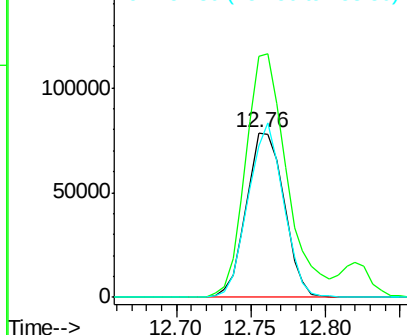
Tot Ion:	156	Resp:	137576
Ion Ratio	Lower	Upper	
156	100		
77	162.2	80.3	241.0
158	98.9	47.4	142.2

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.054 ug/l

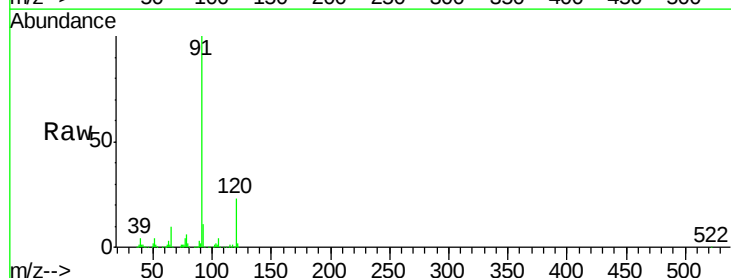
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

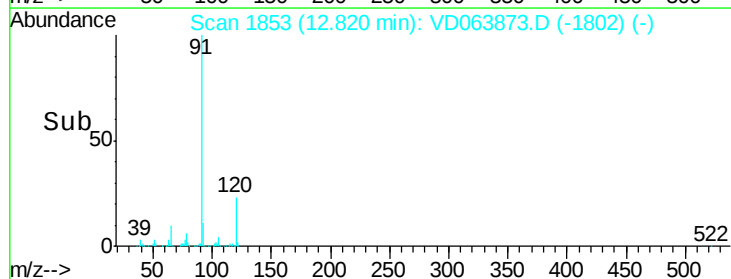
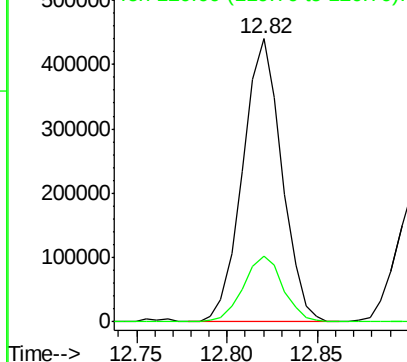
Lab File: VD063873.D

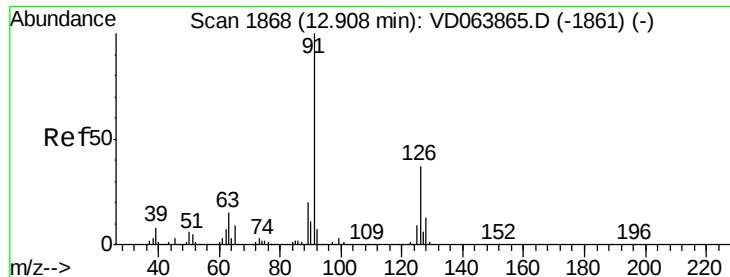
Acq: 02 Oct 2019 21:53

Tgt Ion:	91	Resp:	656824
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





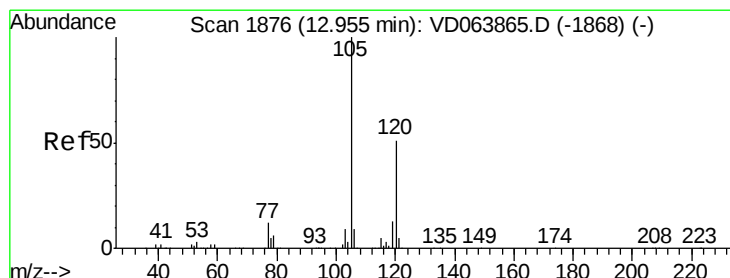
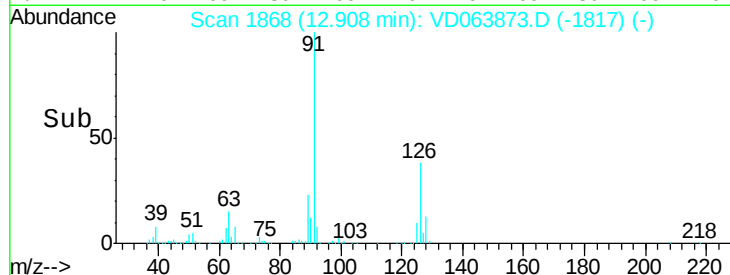
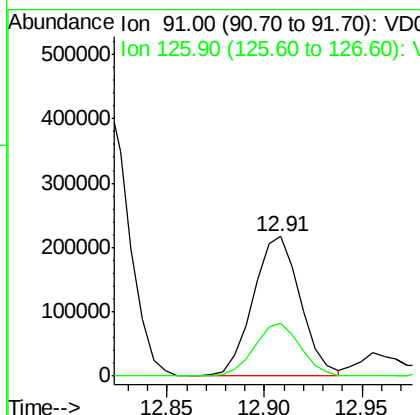
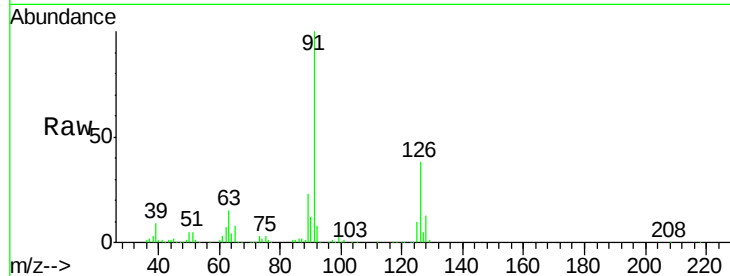
#79
2-Chlorotoluene
Concen: 48.179 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 363113
Ion Ratio Lower Upper
91 100
126 37.3 18.4 55.2

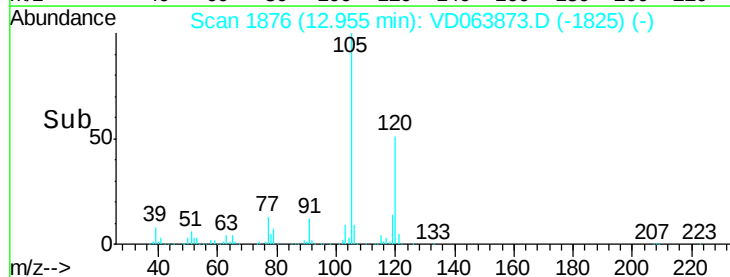
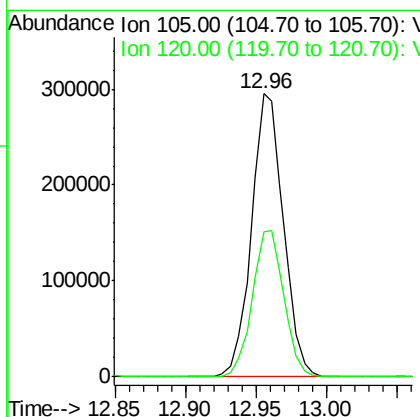
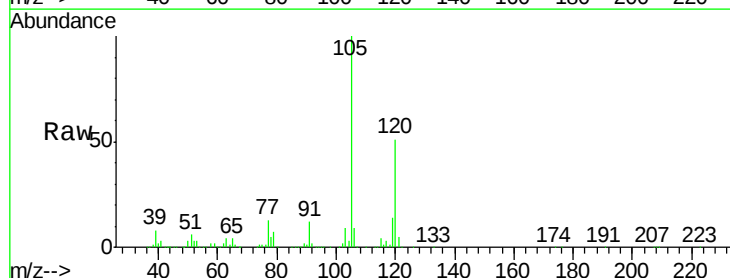
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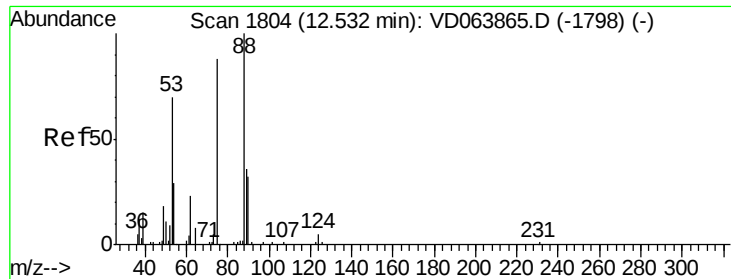
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#80
1,3,5-Trimethylbenzene
Concen: 48.177 ug/l
RT: 12.96 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion: 105 Resp: 468038
Ion Ratio Lower Upper
105 100
120 51.1 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.446 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

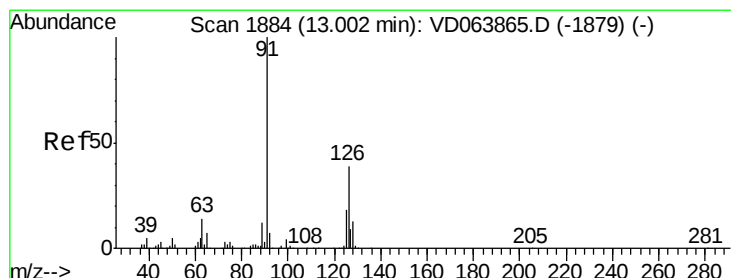
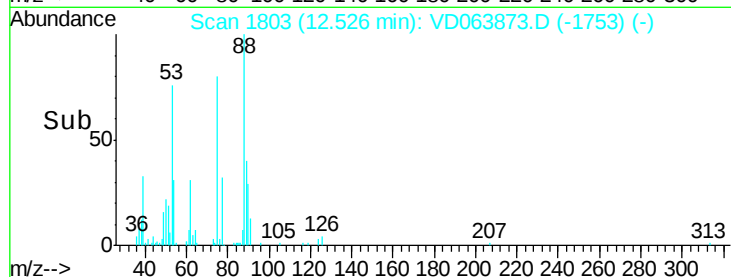
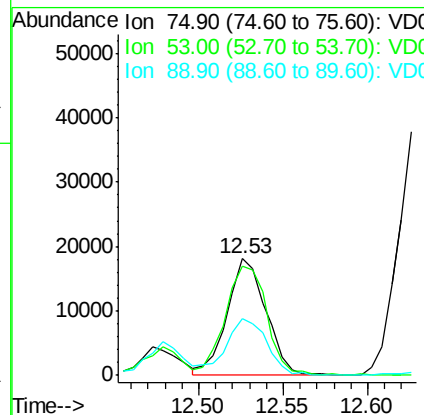
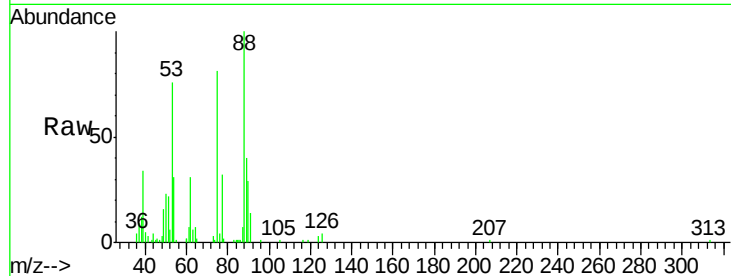
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	29140
Ion	Ratio	Lower	Upper
75	100		
53	100.1	75.0	112.6
89	49.8	38.2	57.4

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#82

4-Chlorotoluene

Concen: 48.343 ug/l

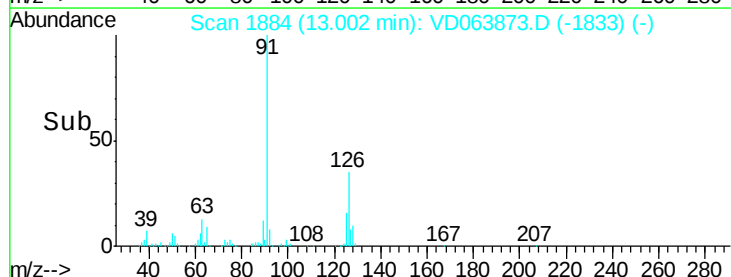
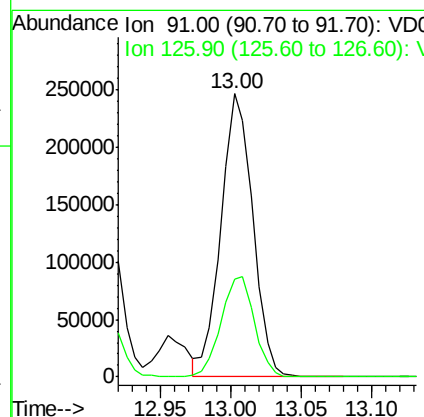
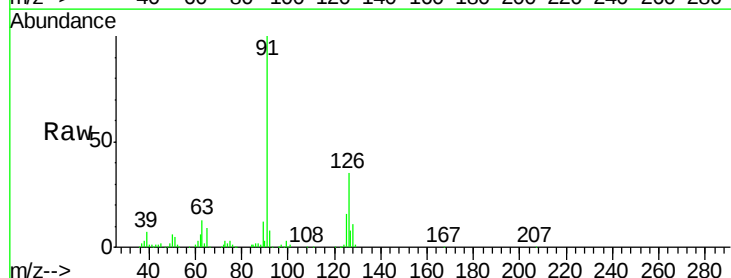
RT: 13.00 min Scan# 1884

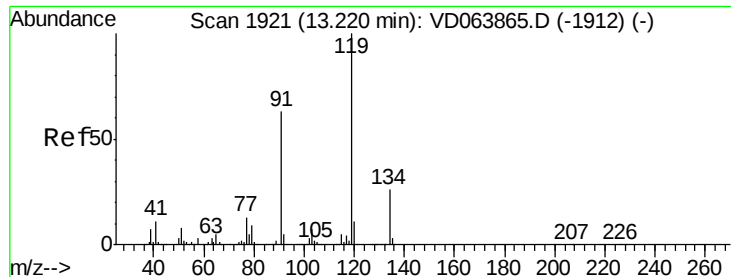
Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Tgt Ion:	91	Resp:	386508
Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.6	55.8





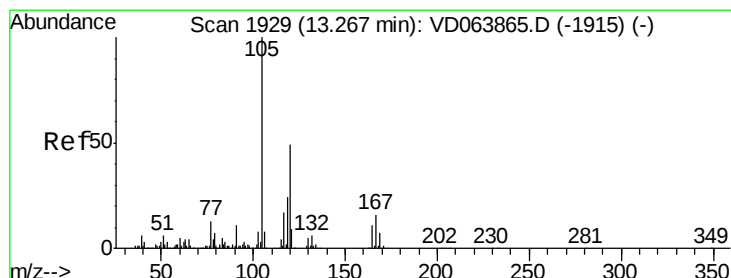
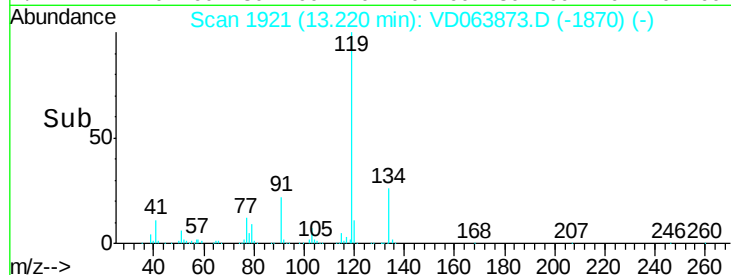
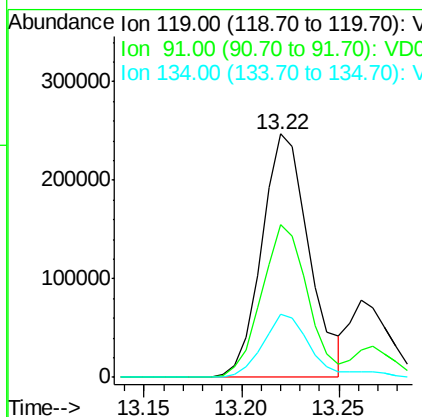
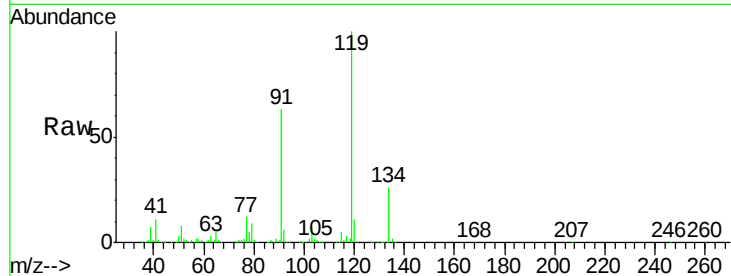
#83
 tert-Butylbenzene
 Concen: 48.038 ug/l
 RT: 13.22 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.8	30.0	90.0
134	26.8	13.0	38.9

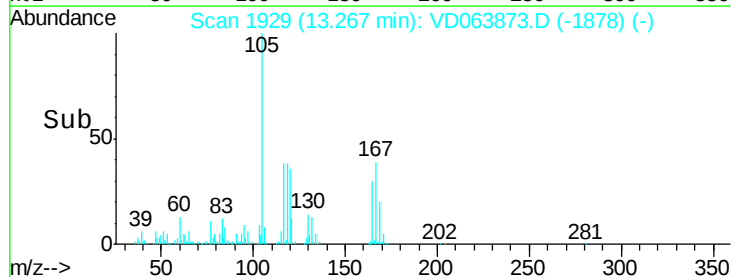
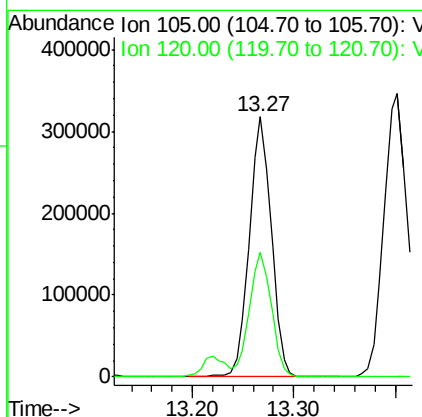
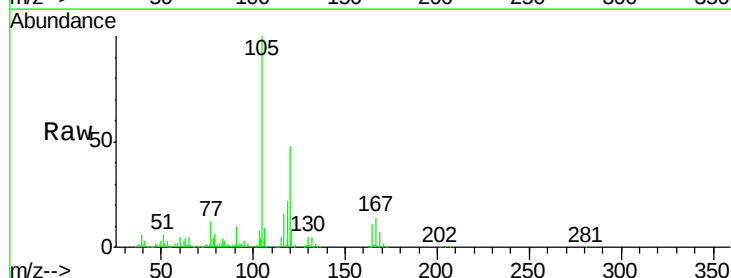
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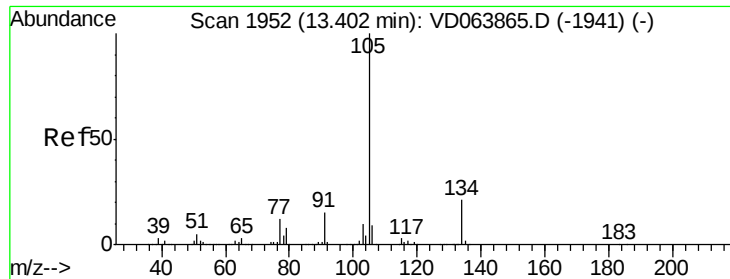
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.934 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.8	71.5





#85

sec-Butylbenzene

Concen: 47.042 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 549274

Ion Ratio Lower Upper

105 100

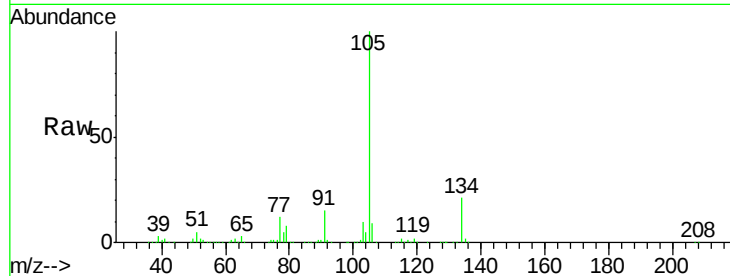
134 21.2 10.6 31.8

Manual Integrations

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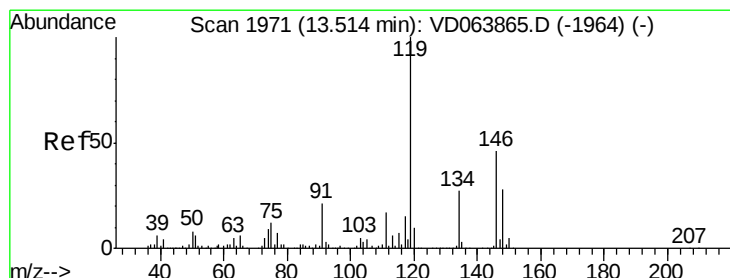
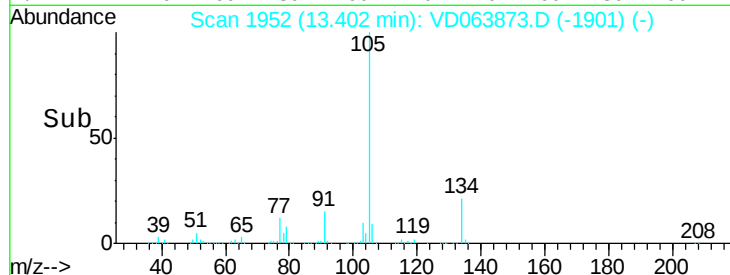
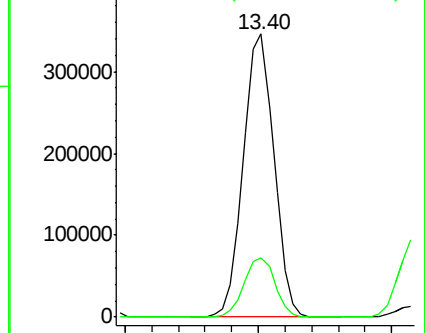
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.891 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063873.D

Acq: 02 Oct 2019 21:53

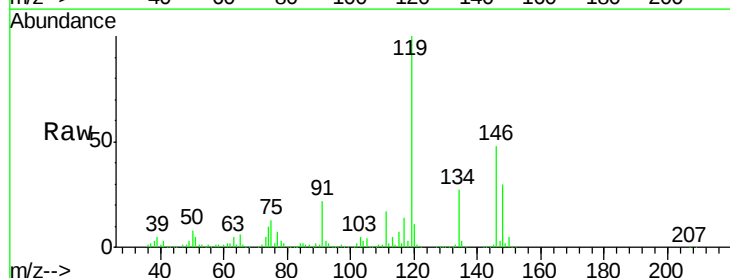
Tgt Ion:119 Resp: 529144

Ion Ratio Lower Upper

119 100

134 26.5 13.9 41.6

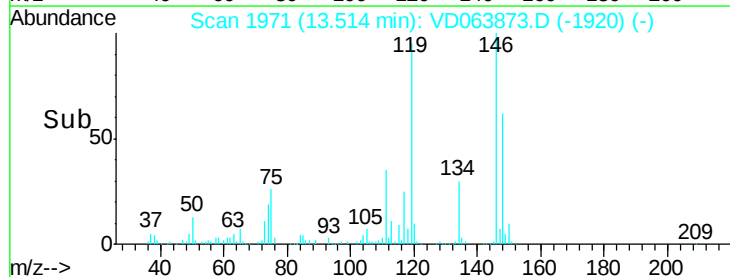
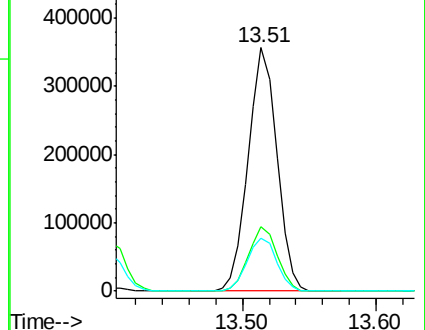
91 22.5 11.2 33.5

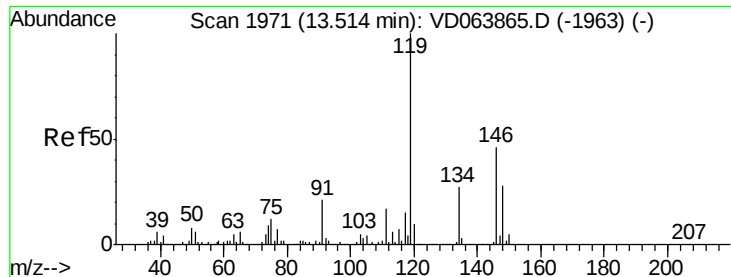


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





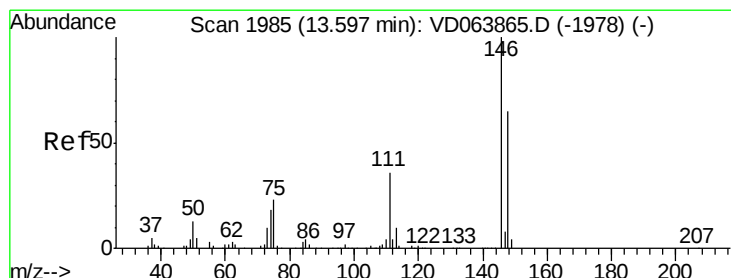
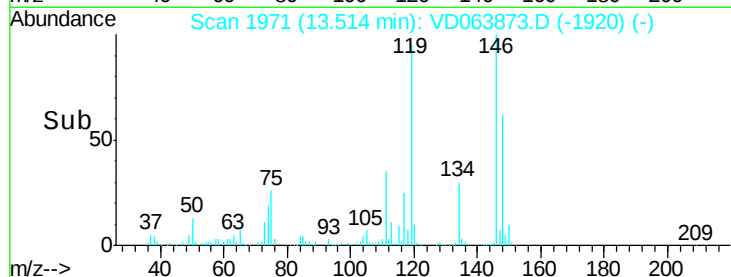
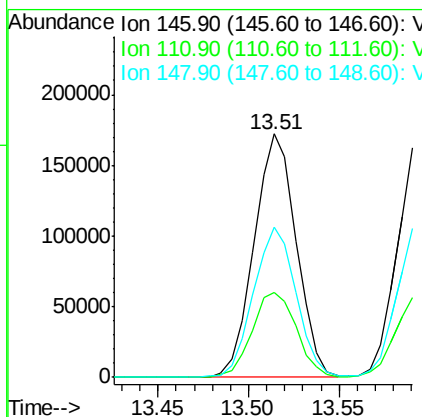
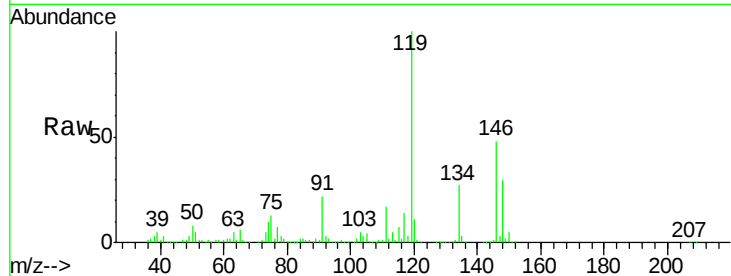
#87
 1,3-Dichlorobenzene
 Concen: 48.512 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	278096		
111	36.9	18.3	54.9	
148	62.3	31.8	95.4	

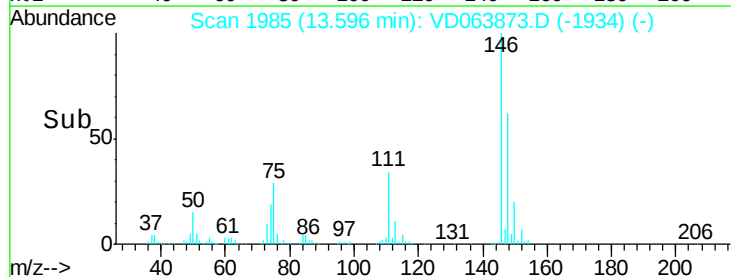
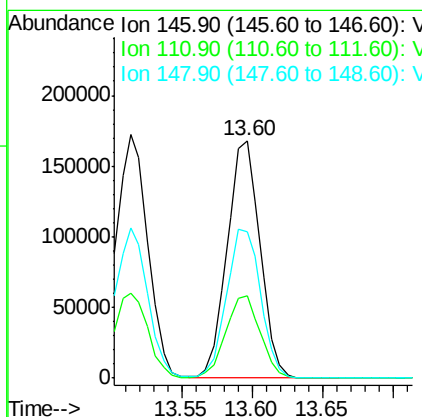
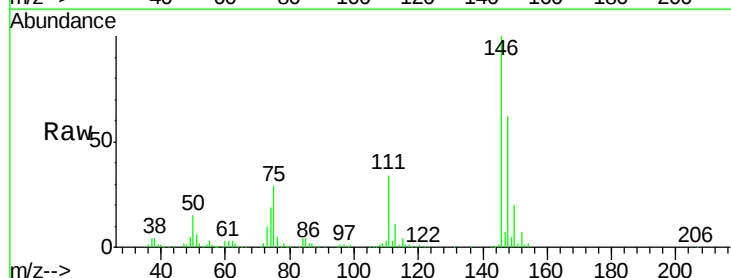
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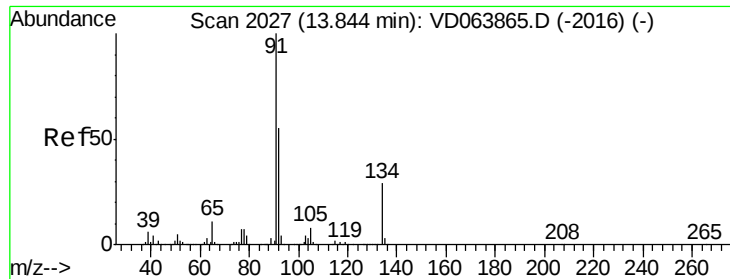
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#88
 1,4-Dichlorobenzene
 Concen: 48.239 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	272809		
111	36.4	18.6	56.0	
148	65.1	32.6	98.0	





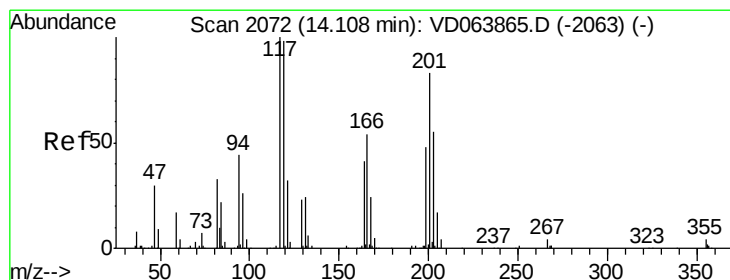
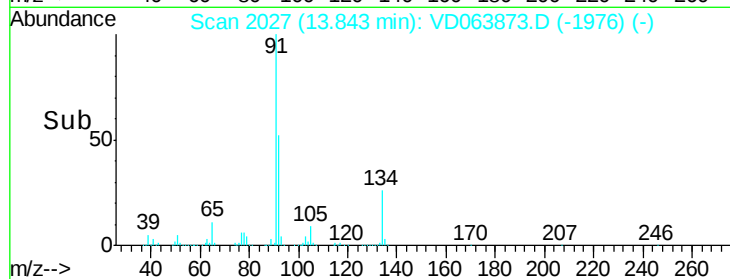
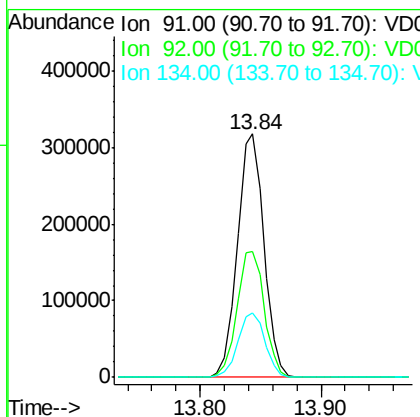
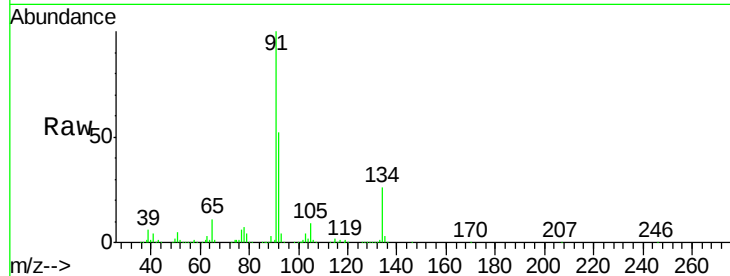
#89
n-Butylbenzene
Concen: 47.397 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		487460		
92	53.3	26.8	80.3		
134	27.1	14.4	43.0		

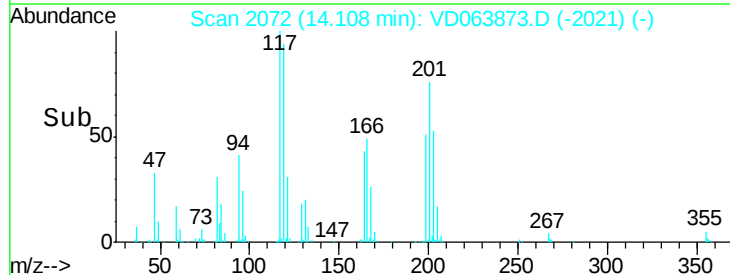
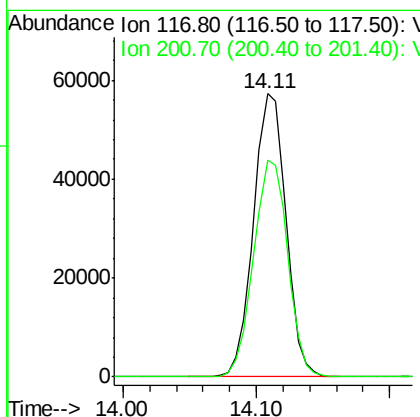
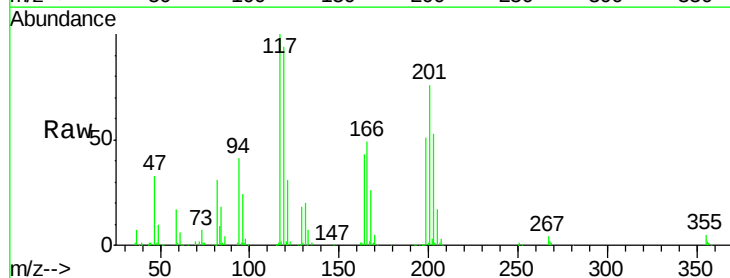
Manual Integrations
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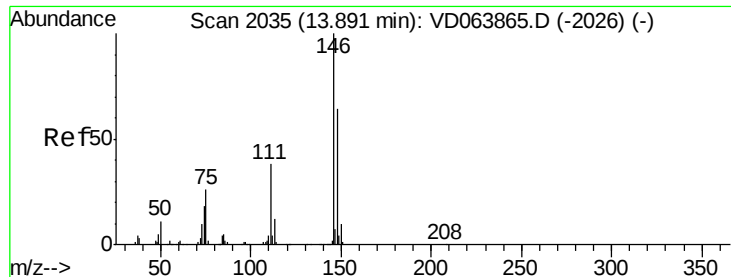
MMDadoda
10/3/2019 12:55:55 PM



#90
Hexachloroethane
Concen: 48.336 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		96054		
201	80.4	40.6	121.7		





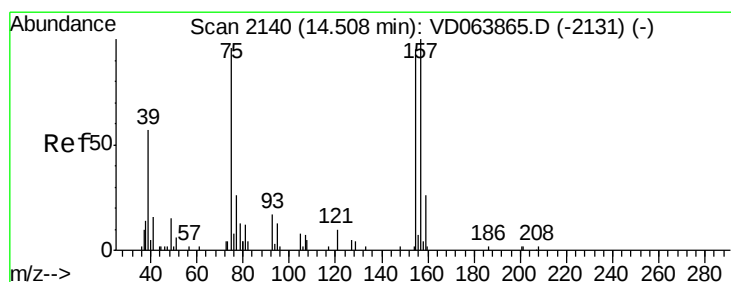
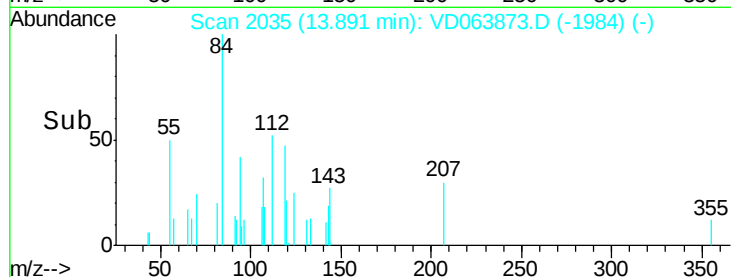
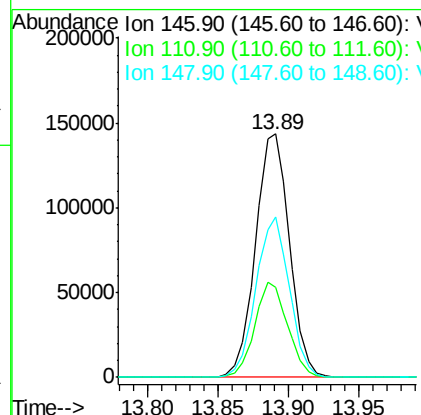
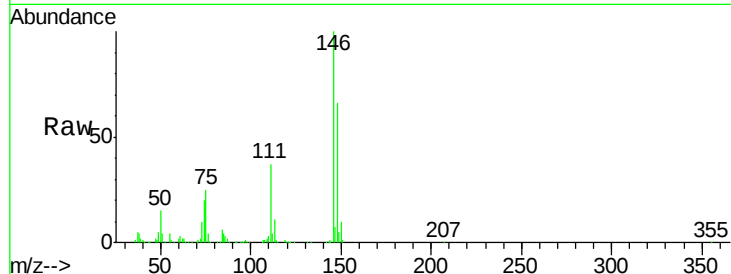
#91
1,2-Dichlorobenzene
Concen: 49.154 ug/l
RT: 13.89 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	242829		
111	38.0		18.6	55.6
148	64.8		31.6	95.0

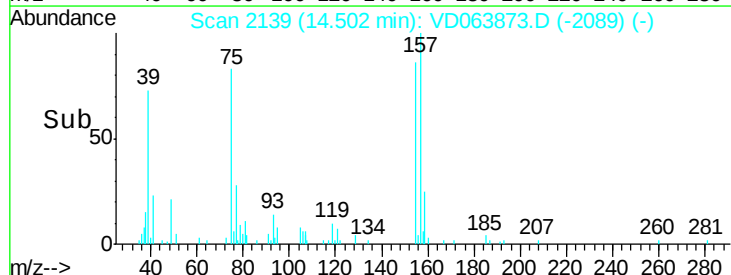
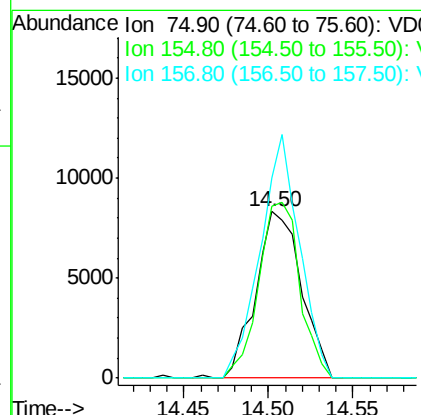
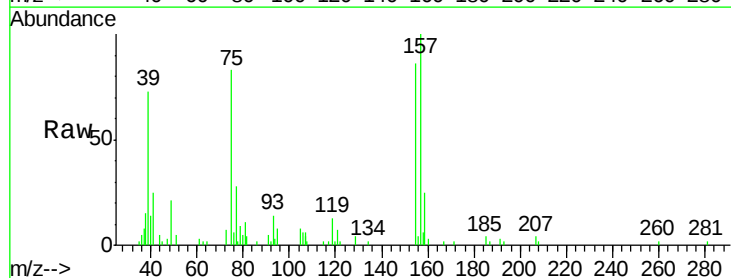
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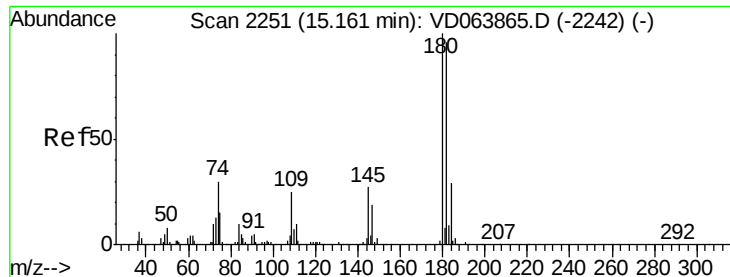
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#92
1,2-Dibromo-3-Chloropropane
Concen: 49.746 ug/l
RT: 14.50 min Scan# 2139
Delta R.T. -0.01 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15666		
155	94.5		43.9	131.6
157	125.6		56.0	167.9





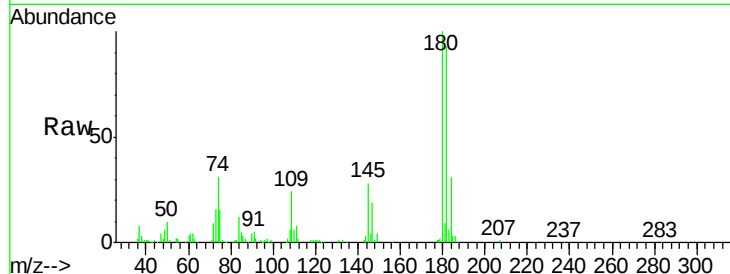
#93
 1,2,4-Trichlorobenzene
 Concen: 46.872 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

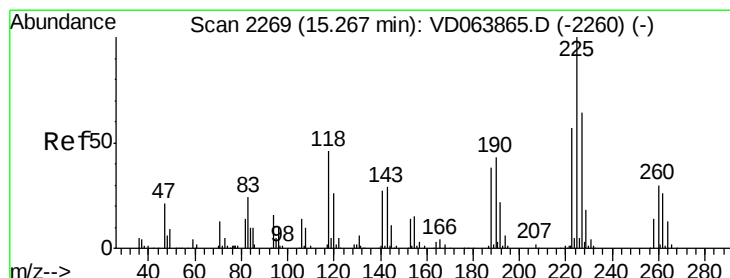
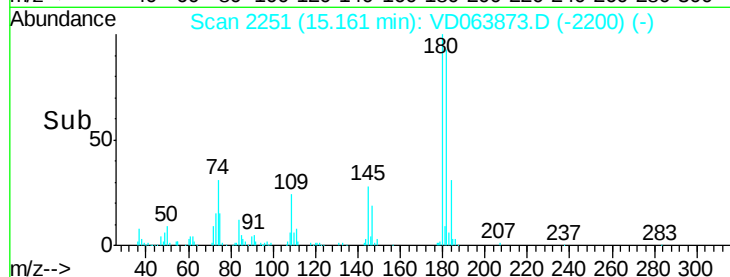
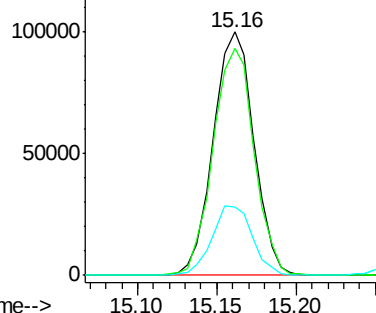
Tot Ion	Ratio	Resp	Lower	Upper
180	100	178672		
182	94.2	47.4	142.3	
145	28.5	13.9	41.7	

Manual Integrations
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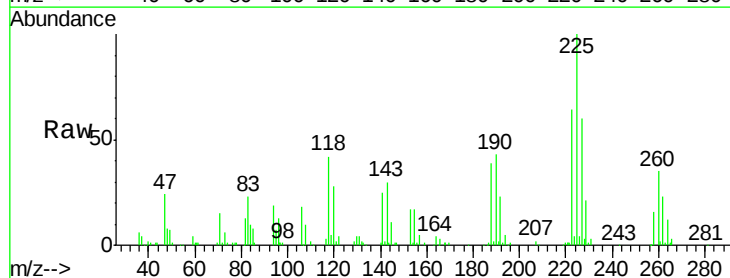


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

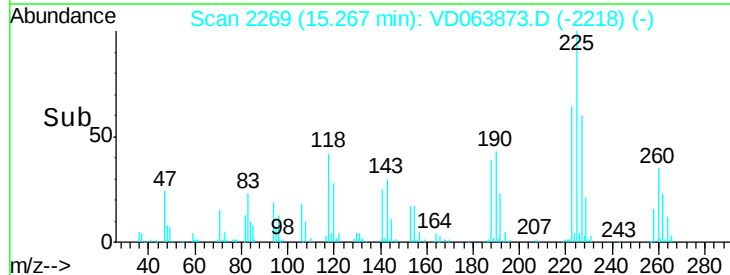
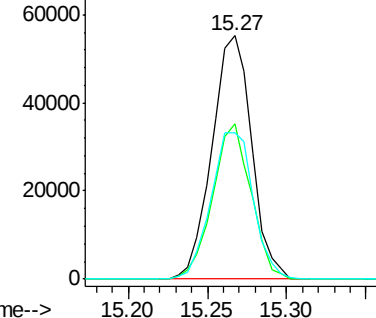


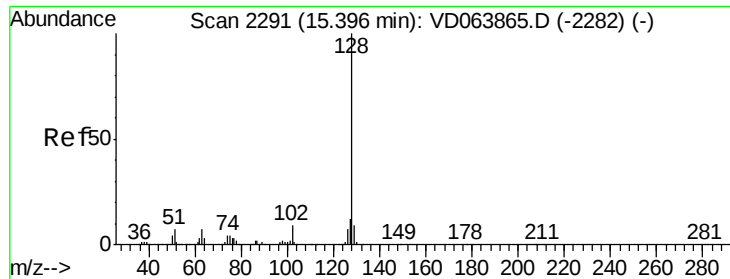
#94
 Hexachlorobutadiene
 Concen: 45.661 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063873.D
 Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96049		
223	61.5	29.5	88.6	
227	64.3	30.8	92.4	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





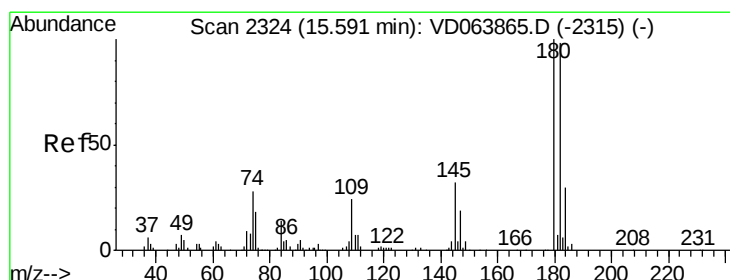
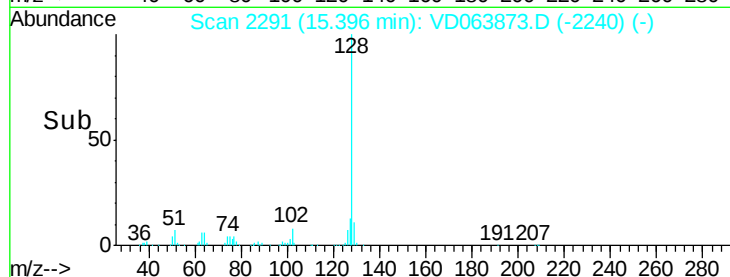
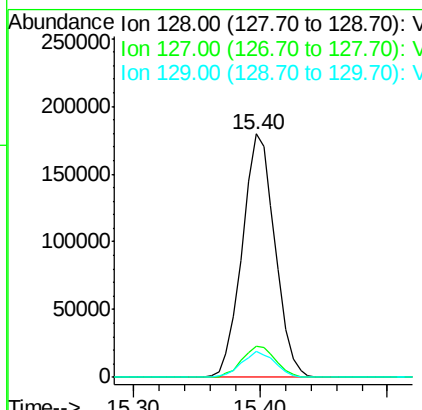
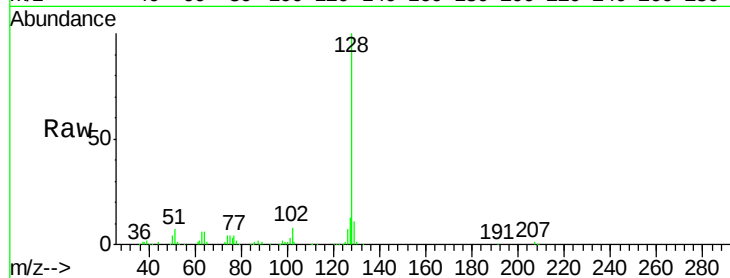
#95
Naphthalene
Concen: 50.214 ug/l
RT: 15.40 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.7	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 47.982 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063873.D
Acq: 02 Oct 2019 21:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.0	141.0
145	30.3	15.3	45.9

