

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100319\
 Data File : VD063881.D
 Acq On : 03 Oct 2019 17:48
 Operator : VA/SY
 Sample : MDL07
 Misc : 5.00µ/5.00mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 4:31:39 PM

Quant Time: Oct 04 02:07:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 04 01:55:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	183095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	287556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	285699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	141163	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	83663	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	7.92	113	83289	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
50) Toluene-d8	10.34	98	352564	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.63	95	111965	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	3377	2.601	ug/l	93
3) Chloromethane	2.21	50	12547	3.155	ug/l	88
4) Vinyl Chloride	2.34	62	10822	2.579	ug/l	95
5) Bromomethane	2.77	94	7768	2.879	ug/l	92
6) Chloroethane	2.93	64	7920	2.854	ug/l	99
7) Trichlorofluoromethane	3.27	101	15238	2.746	ug/l	92
8) Diethyl Ether	3.70	74	2714	3.047	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	4119m	2.682	ug/l	
10) Methyl Iodide	4.29	142	5188	2.451	ug/l #	94
11) Tert butyl alcohol	5.24	59	2021m	15.984	ug/l	
12) 1,1-Dichloroethene	4.07	96	4253	2.772	ug/l #	63
13) Acrolein	3.93	56	2241	14.076	ug/l	93
14) Allyl chloride	4.71	41	7125	2.793	ug/l #	84
15) Acrylonitrile	5.43	53	3613	9.202	ug/l #	64
16) Acetone	4.17	43	7913	17.050	ug/l #	67
17) Carbon Disulfide	4.40	76	13632	2.444	ug/l #	91
18) Methyl Acetate	4.74	43	2943	3.242	ug/l #	53
19) Methyl tert-butyl Ether	5.49	73	10819	2.723	ug/l	92
20) Methylene Chloride	4.96	84	13303	5.585	ug/l #	84
21) trans-1,2-Dichloroethene	5.46	96	5016	2.626	ug/l #	71
22) Diisopropyl ether	6.37	45	12880	2.472	ug/l #	85
23) Vinyl Acetate	6.31	43	38317m	12.362	ug/l	
24) 1,1-Dichloroethane	6.27	63	8487	2.644	ug/l	96
25) 2-Butanone	7.23	43	8372	15.222	ug/l #	82
26) 2,2-Dichloropropane	7.23	77	9319m	3.210	ug/l	
27) cis-1,2-Dichloroethene	7.21	96	4832	2.235	ug/l	63
28) Bromochloromethane	7.56	49	3506	2.916	ug/l #	97
29) Tetrahydrofuran	7.57	42	4196	13.070	ug/l #	79
30) Chloroform	7.71	83	9604	2.755	ug/l	97
31) Cyclohexane	7.99	56	12019	3.994	ug/l #	76
32) 1,1,1-Trichloroethane	7.90	97	7096	2.373	ug/l	95
36) 1,1-Dichloropropene	8.11	75	7120	2.708	ug/l #	91
37) Ethyl Acetate	7.30	43	2877	2.411	ug/l #	91
38) Carbon Tetrachloride	8.09	117	6062m	2.282	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	8895	2.752	ug/l #	86
40) Benzene	8.36	78	19643	2.607	ug/l	96
41) Methacrylonitrile	7.52	41	2015	3.306	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	5675	2.604	ug/l	98
43) Isopropyl Acetate	8.47	43	6292	2.854	ug/l #	60
44) Trichloroethene	9.12	130	5559	2.559	ug/l	97
45) 1,2-Dichloropropane	9.39	63	5012	2.718	ug/l	99
46) Dibromomethane	9.48	93	2707	2.577	ug/l	88
47) Bromodichloromethane	9.67	83	6086	2.251	ug/l	93
48) Methyl methacrylate	9.47	41	3463	3.278	ug/l #	82
49) 1,4-Dioxane	9.46	88	474	33.063	ug/l #	59
51) 4-Methyl-2-Pentanone	10.23	43	15208	13.299	ug/l	94
52) Toluene	10.40	92	12881	2.490	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	6713	2.544	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	7930	2.611	ug/l #	91
55) 1,1,2-Trichloroethane	10.80	97	4792	3.231	ug/l #	87
56) Ethyl methacrylate	10.66	69	4684	2.494	ug/l #	76
57) 1,3-Dichloropropane	10.96	76	5946	2.343	ug/l #	85
58) 2-Chloroethyl Vinyl ether	9.94	63	9755	12.085	ug/l	99
59) 2-Hexanone	10.98	43	10631	12.852	ug/l	93
60) Dibromochloromethane	11.14	129	4944	2.561	ug/l	91
61) 1,2-Dibromoethane	11.25	107	3800	2.643	ug/l	92
64) Tetrachloroethene	10.87	164	4808	2.465	ug/l #	85
65) Chlorobenzene	11.67	112	14861	2.590	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.75	131	5185	2.452	ug/l	97
67) Ethyl Benzene	11.74	91	23711	2.292	ug/l	91
68) m/p-Xylenes	11.85	106	19170	4.800	ug/l	97
69) o-Xylene	12.18	106	8937	2.337	ug/l	99
70) Styrene	12.19	104	14854	2.295	ug/l	95
71) Bromoform	12.37	173	2232	1.967	ug/l #	68
73) Isopropylbenzene	12.48	105	22813	2.404	ug/l	92
74) N-amyl acetate	12.29	43	4763	2.331	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.73	83	3920	2.374	ug/l #	80
76) 1,2,3-Trichloropropane	12.78	75	2616m	2.767	ug/l	
77) Bromobenzene	12.76	156	5719	2.419	ug/l	94
78) n-propylbenzene	12.82	91	27216	2.443	ug/l	99
79) 2-Chlorotoluene	12.91	91	15467	2.518	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	19812	2.502	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	1501m	2.809	ug/l	
82) 4-Chlorotoluene	13.00	91	17032	2.614	ug/l	95
83) tert-Butylbenzene	13.22	119	17162	2.436	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	18750	2.297	ug/l	95
85) sec-Butylbenzene	13.40	105	21450	2.254	ug/l	96
86) p-Isopropyltoluene	13.52	119	20902	2.321	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	11294	2.418	ug/l	91
88) 1,4-Dichlorobenzene	13.60	146	11337	2.460	ug/l	83
89) n-Butylbenzene	13.84	91	19241	2.296	ug/l	97
90) Hexachloroethane	14.11	117	3617	2.234	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	9907	2.461	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	14.51	75	954	3.339	ug/l	63

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	7491	2.411	ug/l	99
94) Hexachlorobutadiene	15.27	225	3593	2.096	ug/l	82
95) Naphthalene	15.40	128	12692	2.431	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	6571	2.452	ug/l	97

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

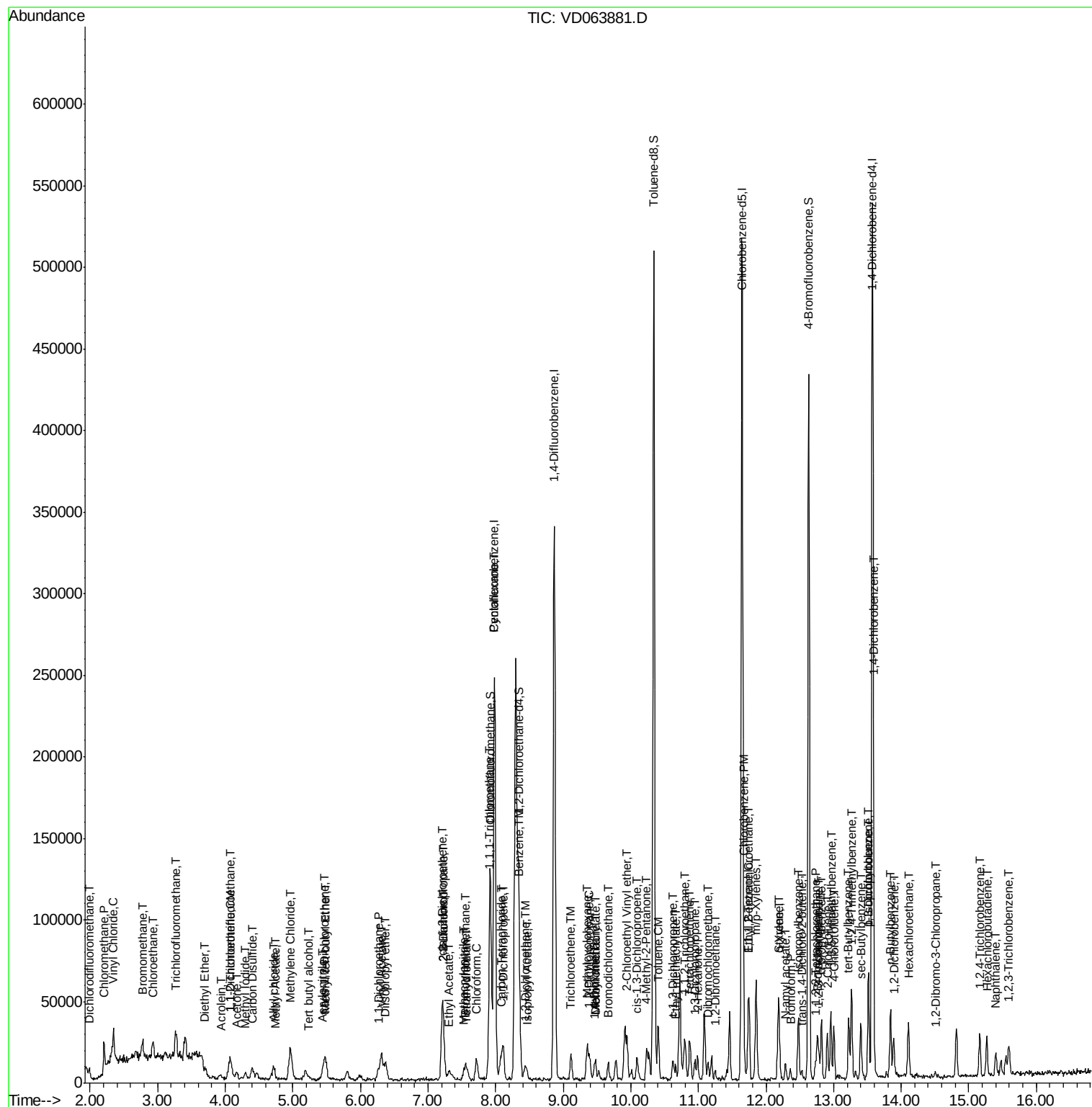
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100319\
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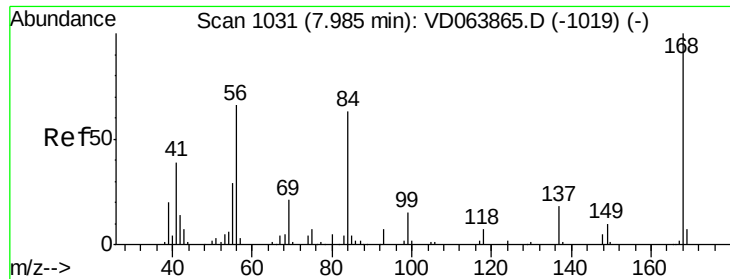
Instrument :
MSVOA_D
ClientSampled :
MDL07

Manual Integrations
APPROVED

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10/4/2019 4:31:39 PM

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Quant Title : SW846 8260
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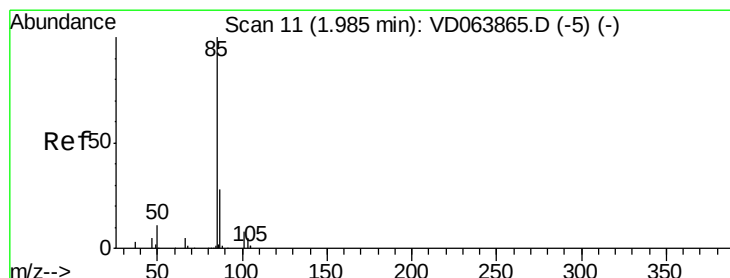
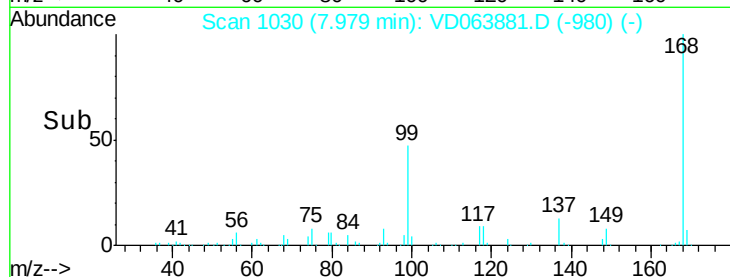
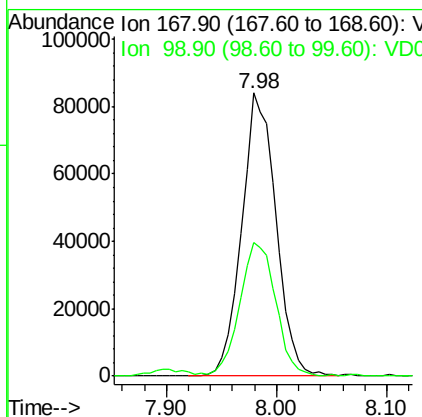
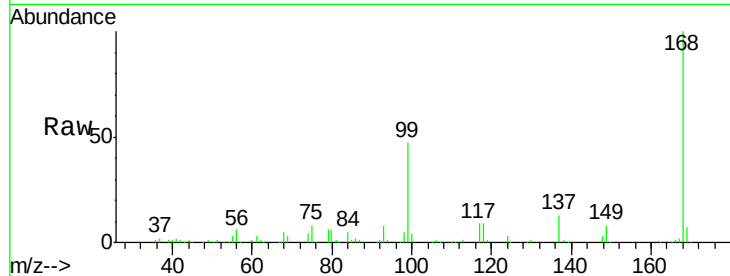
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.0	43.0	64.4

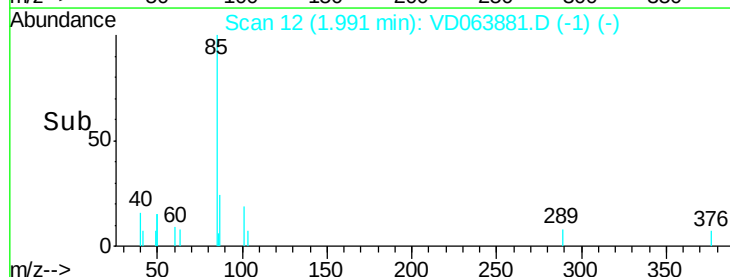
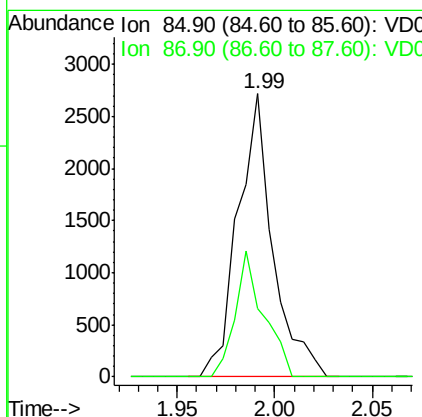
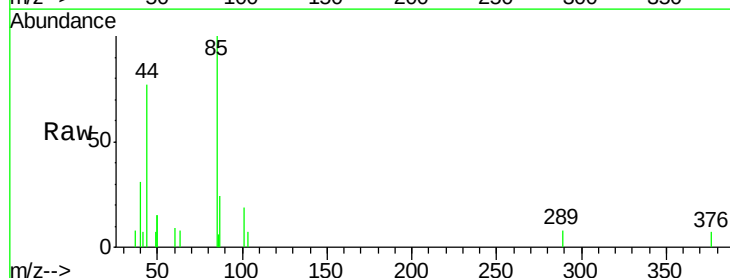
Manual Integrations
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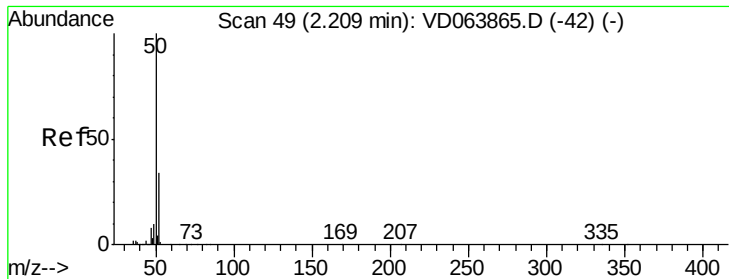
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#2
Dichlorodifluoromethane
Concen: 2.601 ug/l
RT: 1.99 min Scan# 12
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
85	100		
87	24.1	14.0	42.0





#3

Chloromethane

Concen: 3.155 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

Tot Ion: 50 Resp: 12547

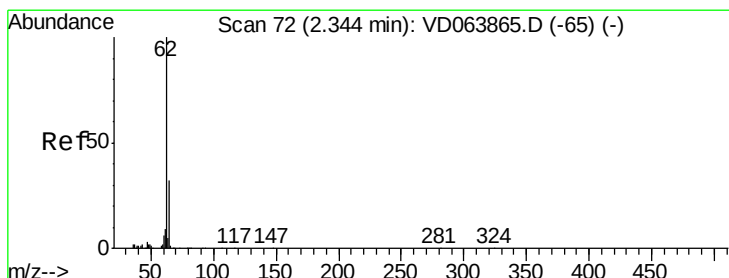
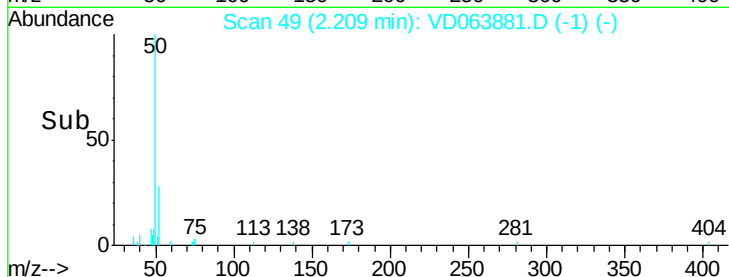
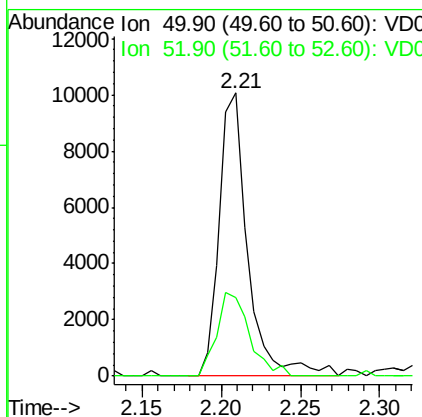
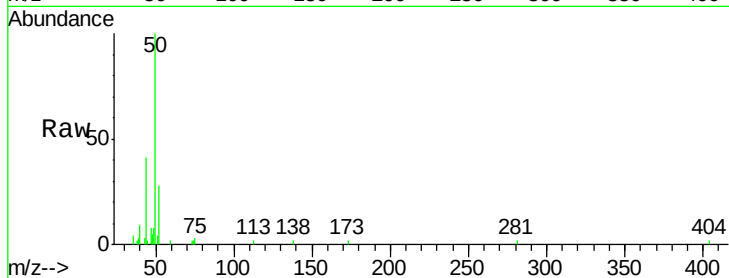
Ion Ratio Lower Upper

50 100

52 27.7 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 2.579 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.00 min

Lab File: VD063881.D

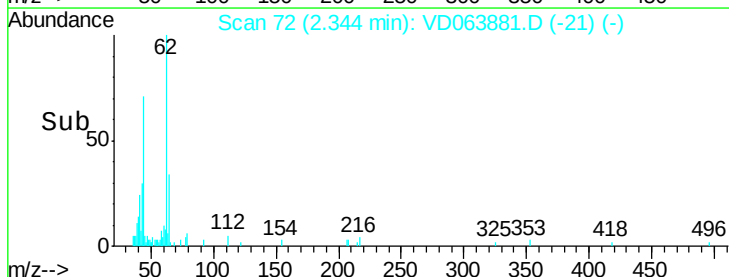
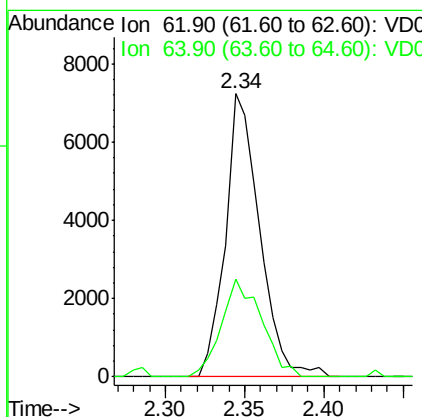
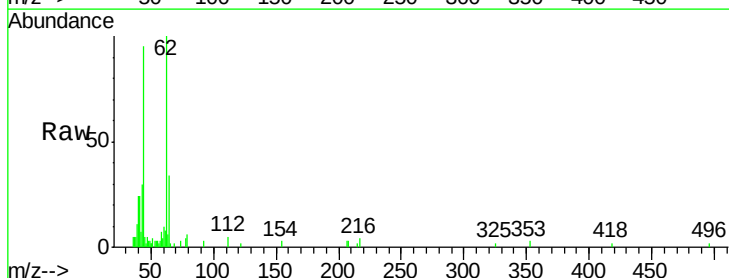
Acq: 03 Oct 2019 17:48

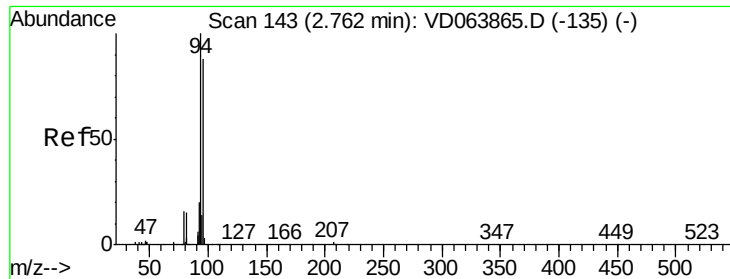
Tgt Ion: 62 Resp: 10822

Ion Ratio Lower Upper

62 100

64 34.4 25.4 38.0





#5

Bromomethane

Concen: 2.879 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

Tot Ion: 94 Resp: 7768

Ion Ratio Lower Upper

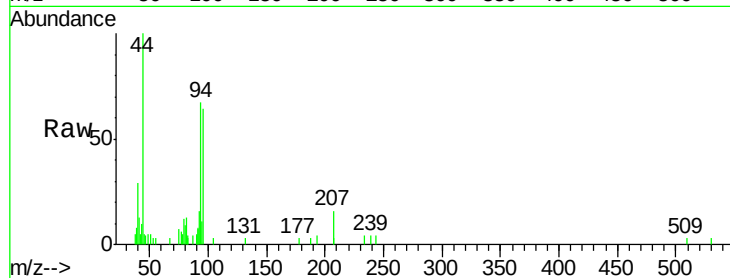
94 100

96 96.0 70.8 106.2

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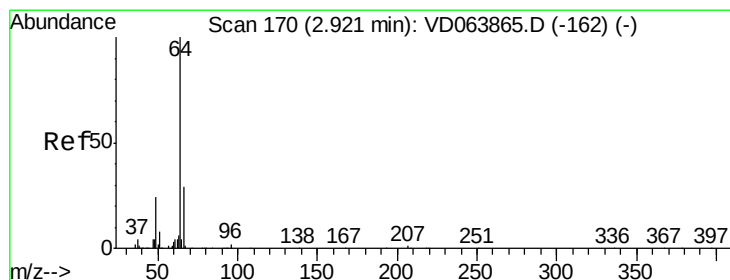
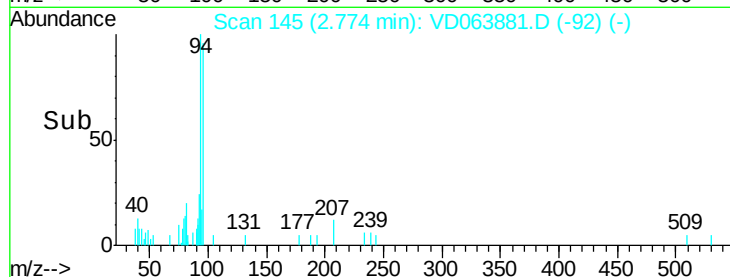
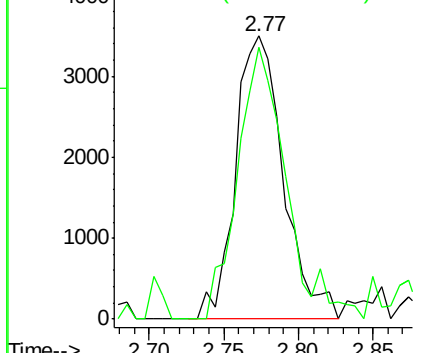
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 2.854 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063881.D

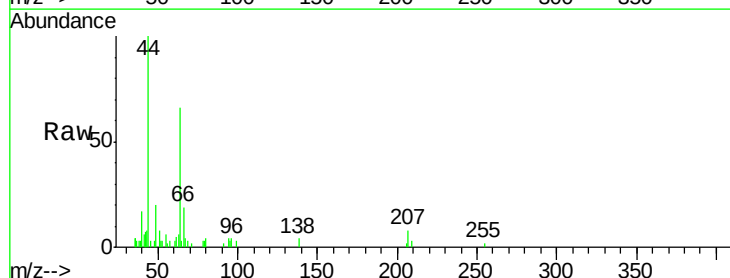
Acq: 03 Oct 2019 17:48

Tgt Ion: 64 Resp: 7920

Ion Ratio Lower Upper

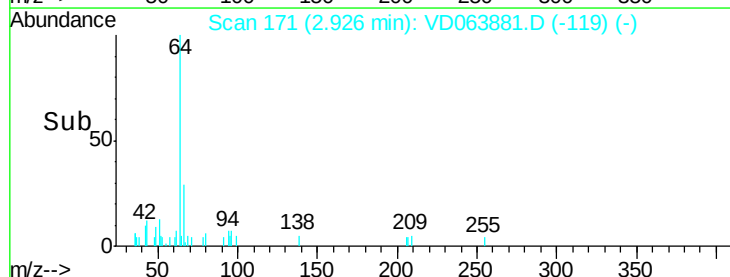
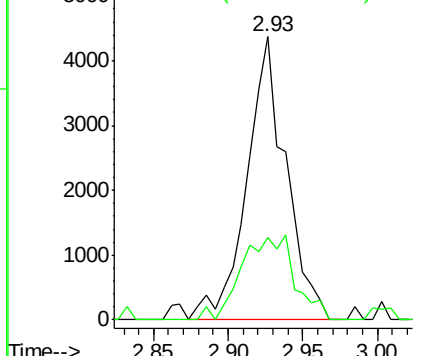
64 100

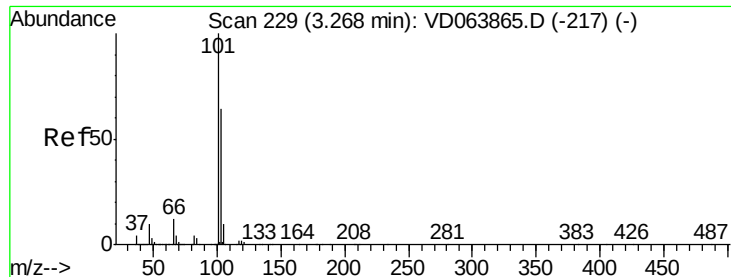
66 29.2 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 2.746 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

Tot Ion:101 Resp: 15238

Ion Ratio Lower Upper

101 100

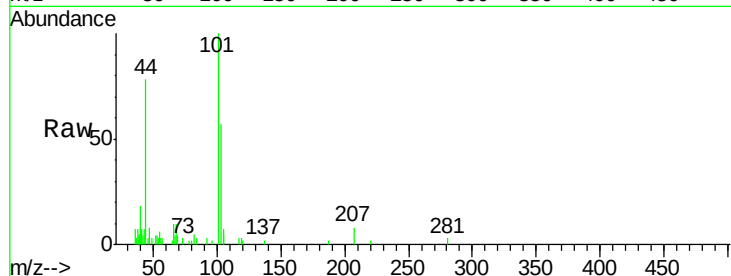
103 57.4 51.1 76.7

Manual Integrations

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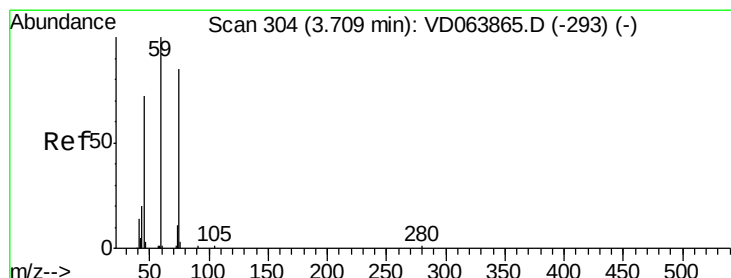
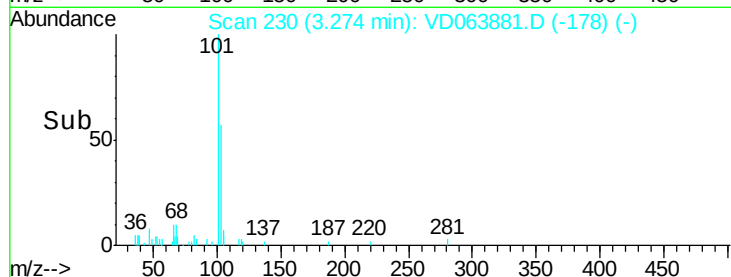
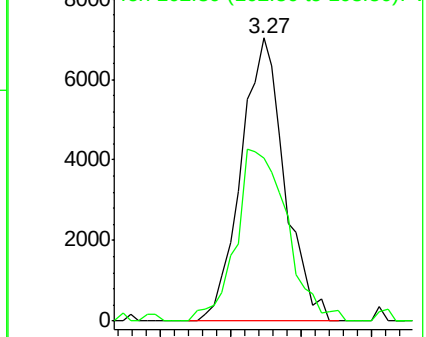
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 3.047 ug/l

RT: 3.70 min Scan# 302

Delta R.T. -0.01 min

Lab File: VD063881.D

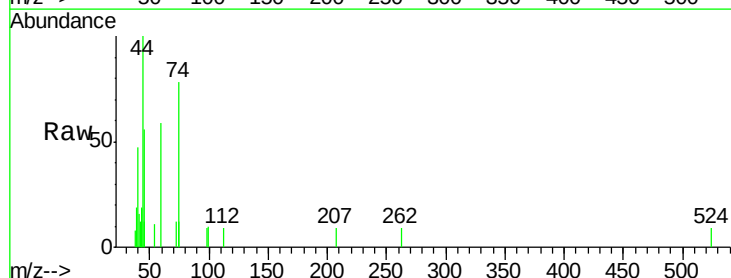
Acq: 03 Oct 2019 17:48

Tgt Ion: 74 Resp: 2714

Ion Ratio Lower Upper

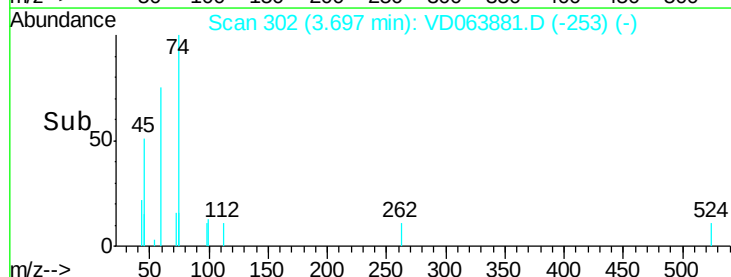
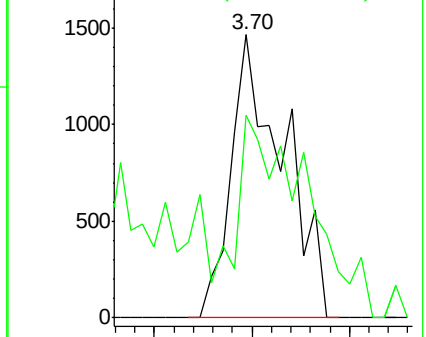
74 100

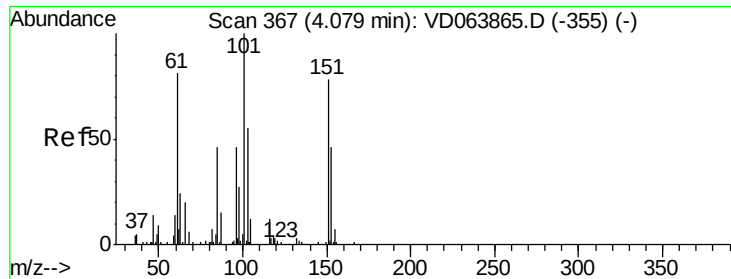
45 95.7 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.682 ug/l m

RT: 4.07 min Scan# 365

Delta R.T. -0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

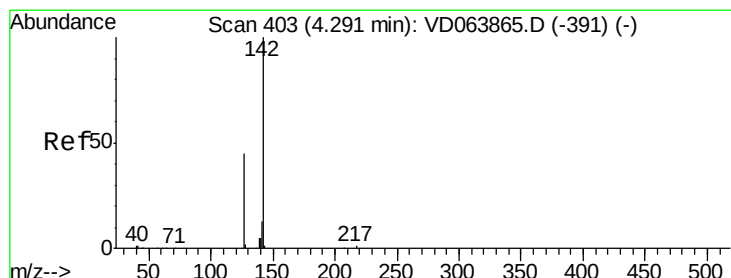
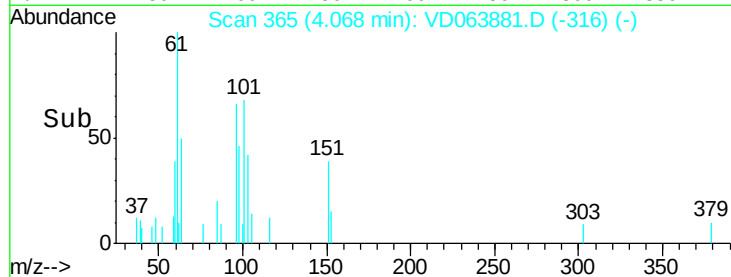
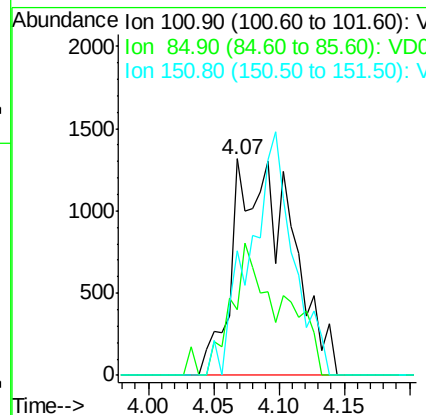
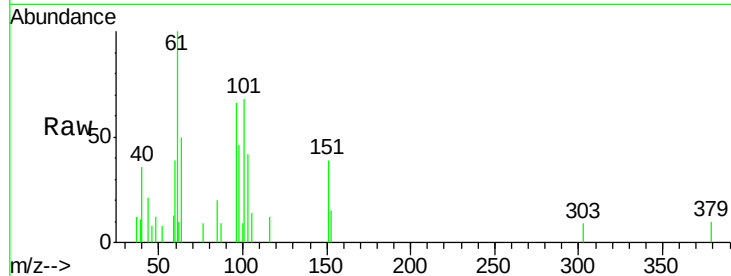
ClientSampleId :

MDL07

Tot Ion	Ratio	Lower	Upper
101	100		
85	34.6	37.5	56.3#
151	0.0	65.5	98.3#

Manual Integrations
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#10

Methyl Iodide

Concen: 2.451 ug/l

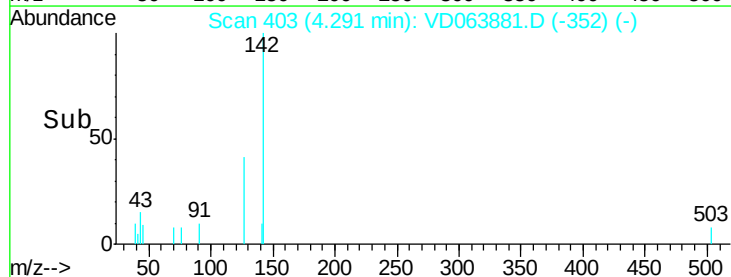
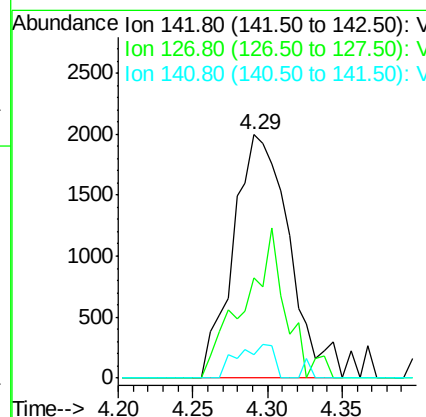
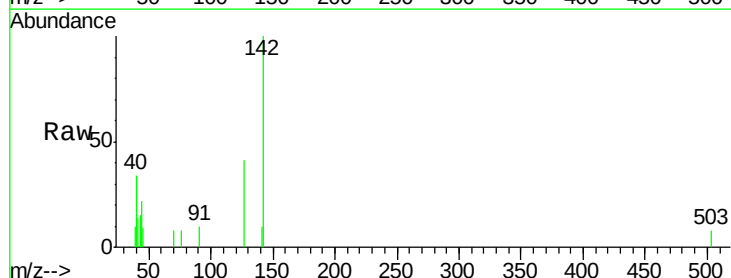
RT: 4.29 min Scan# 403

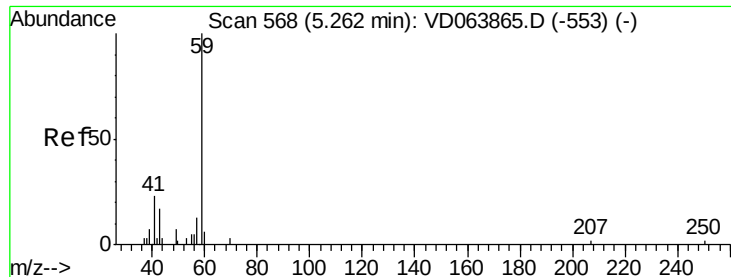
Delta R.T. -0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.1	35.3	52.9
141	9.1	12.2	18.2#





#11

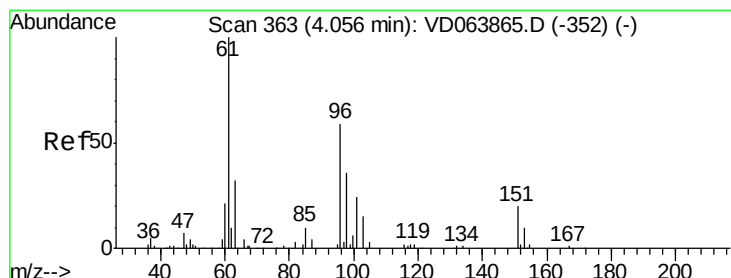
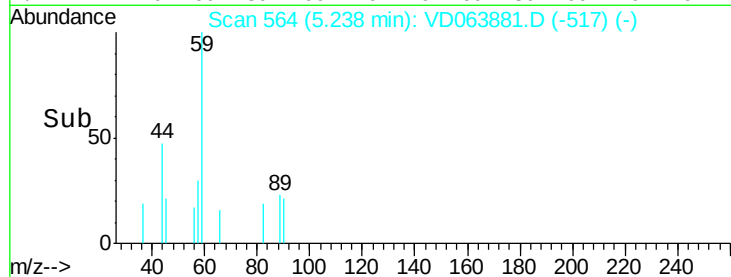
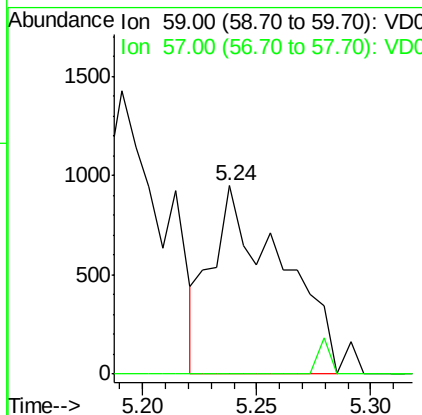
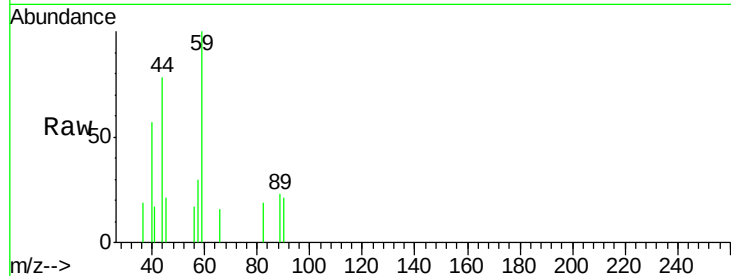
Tert butyl alcohol
 Concen: 15.984 ug/l m
 RT: 5.24 min Scan# 564
 Delta R.T. -0.02 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

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

Manual Integrations
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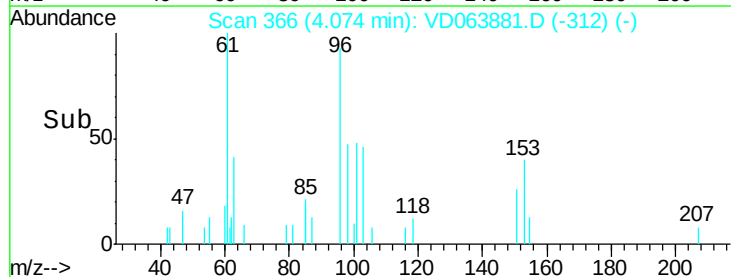
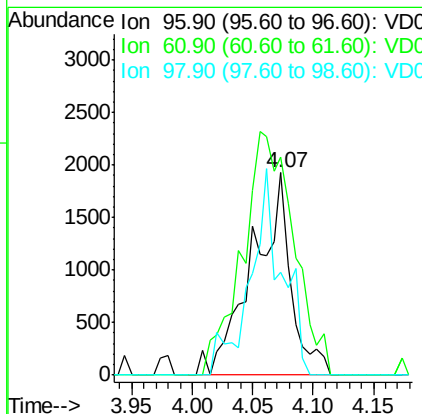
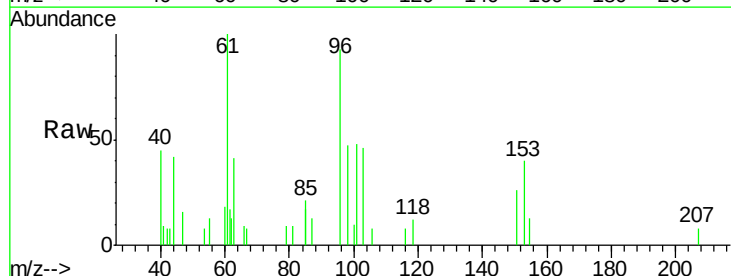
MMDadoda
 10/4/2019 4:31:39 PM

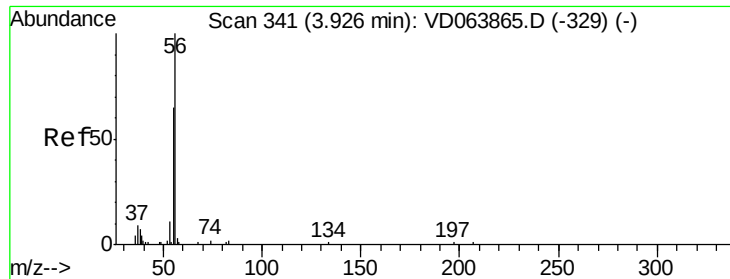


#12

1,1-Dichloroethene
 Concen: 2.772 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	107.7	135.6	203.4#
98	50.8	49.2	73.8





#13

Acrolein

Concen: 14.076 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampled :

MDL07

Tot Ion: 56 Resp: 2241

Ion Ratio Lower Upper

56 100

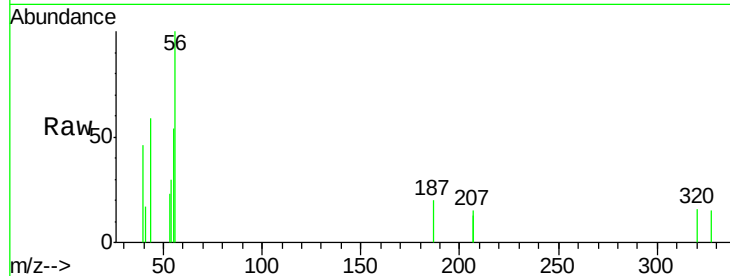
55 72.1 53.0 79.6

Manual Integrations

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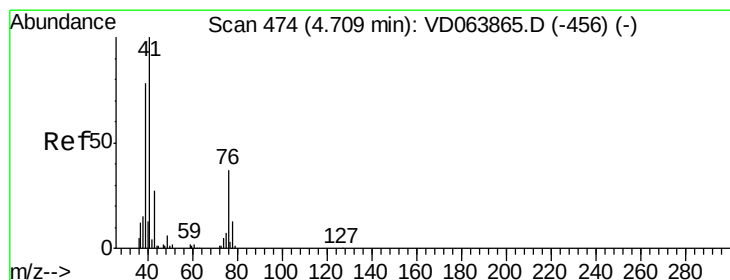
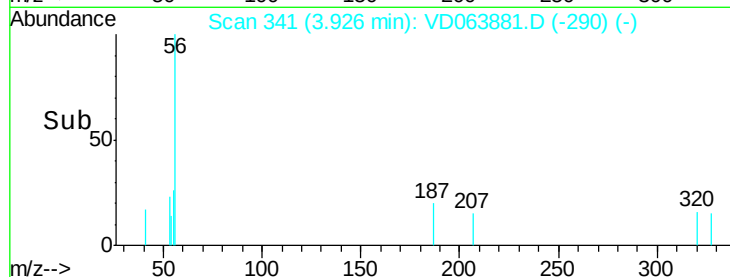
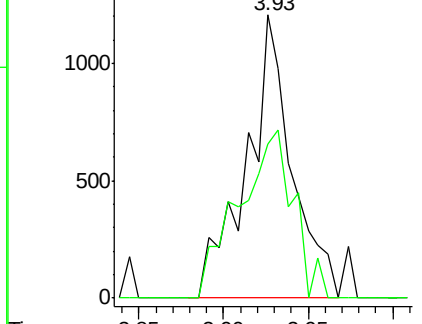
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 2.793 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

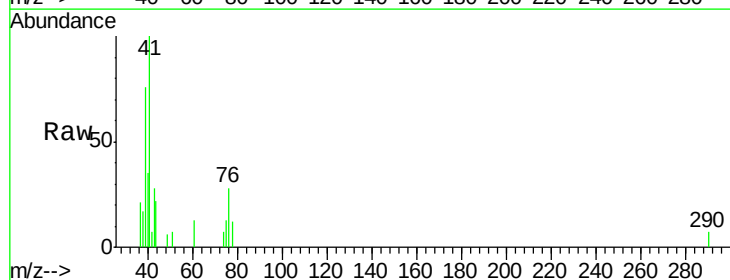
Tgt Ion: 41 Resp: 7125

Ion Ratio Lower Upper

41 100

39 91.7 61.8 92.6

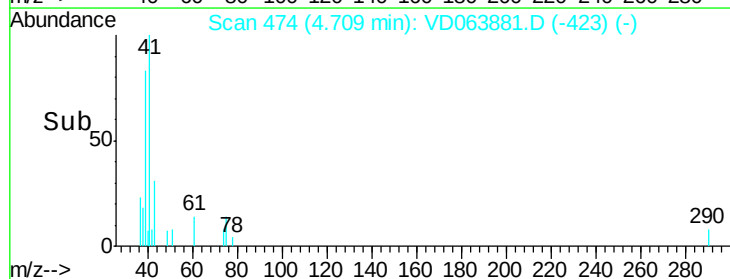
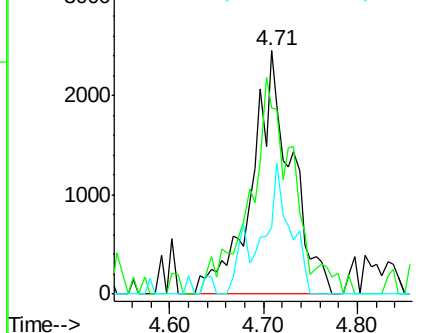
76 30.2 31.3 46.9#

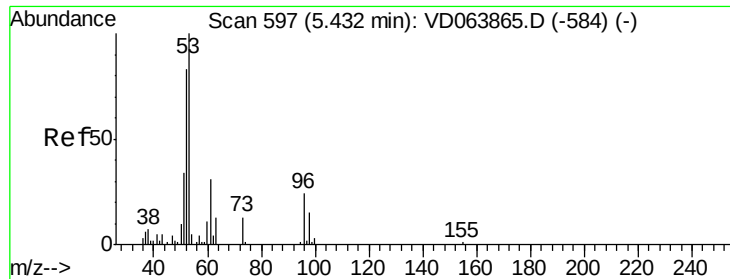


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 9.202 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

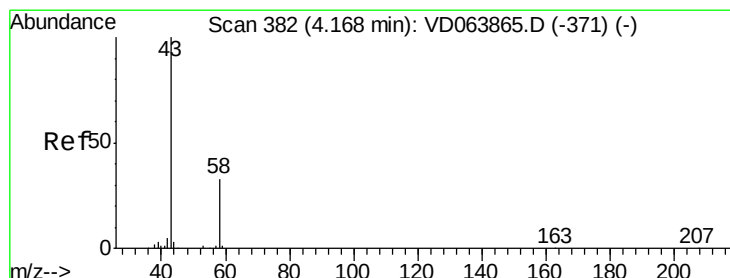
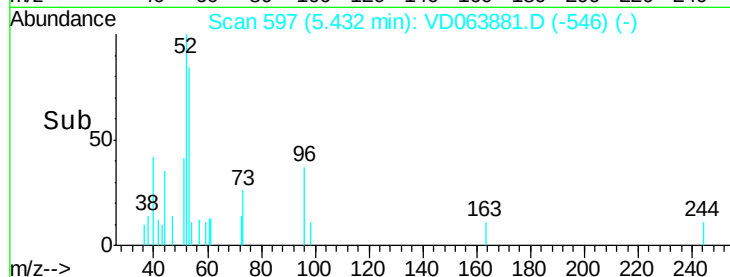
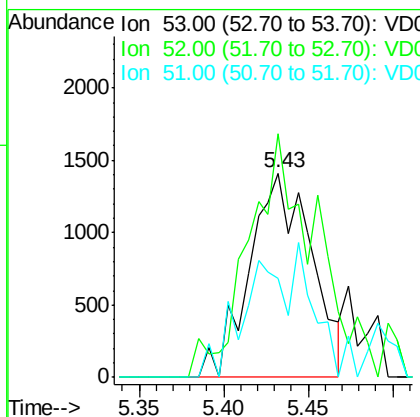
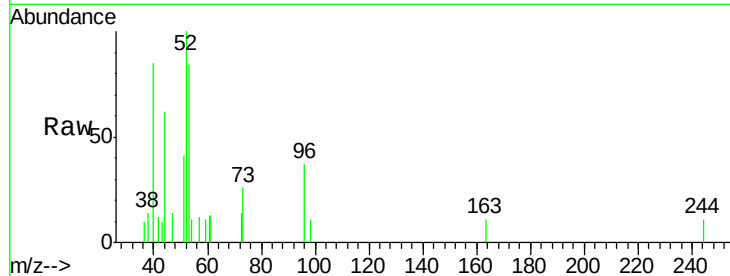
ClientSampleId :

MDL07

Tot Ion:	53	Resp:	3613
Ion	Ratio	Lower	Upper
53	100		
52	129.2	67.3	100.9#
51	40.7	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 17.050 ug/l

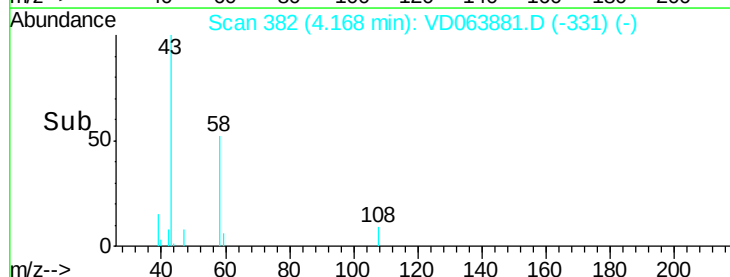
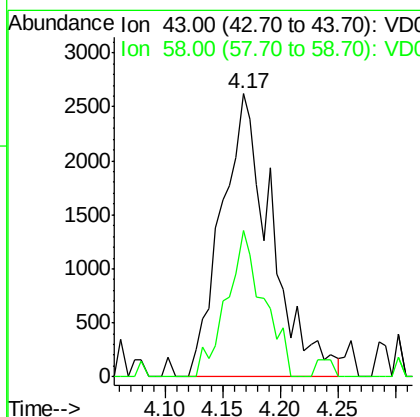
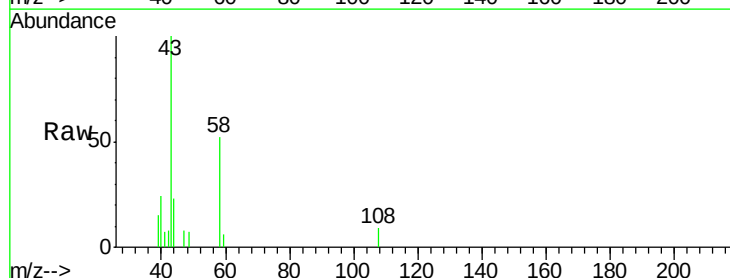
RT: 4.17 min Scan# 382

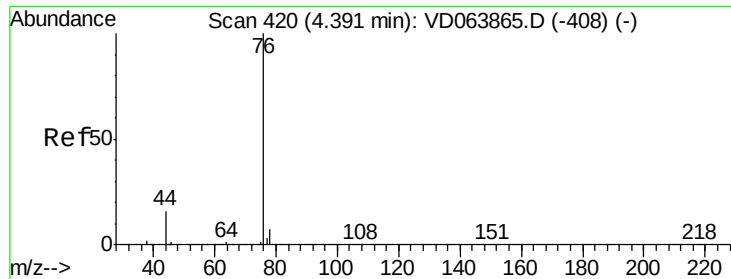
Delta R.T. 0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Tgt Ion:	43	Resp:	7913
Ion	Ratio	Lower	Upper
43	100		
58	51.6	26.2	39.4#





#17

Carbon Disulfide

Concen: 2.444 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

Tot Ion: 76 Resp: 13632

Ion Ratio Lower Upper

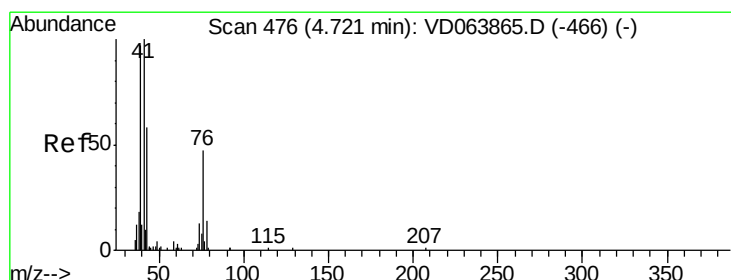
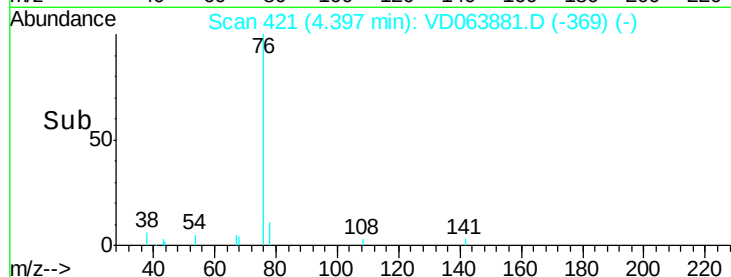
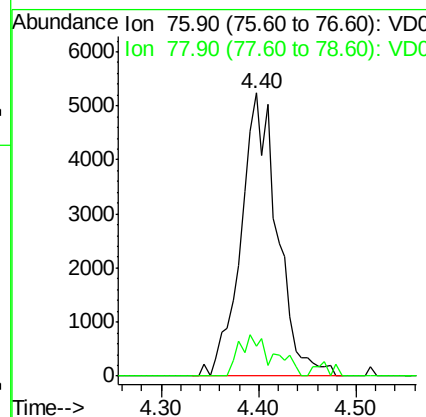
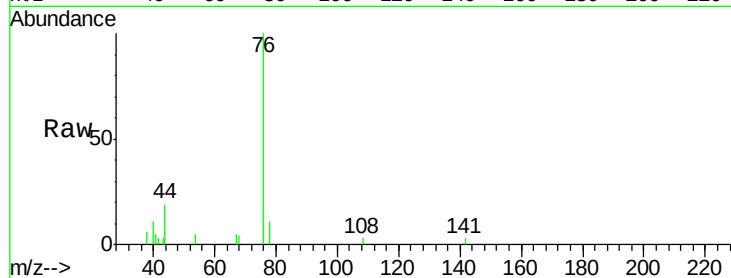
76 100

78 10.5 5.8 8.8#

Manual Integrations
APPROVED

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#18

Methyl Acetate

Concen: 3.242 ug/l

RT: 4.74 min Scan# 480

Delta R.T. 0.02 min

Lab File: VD063881.D

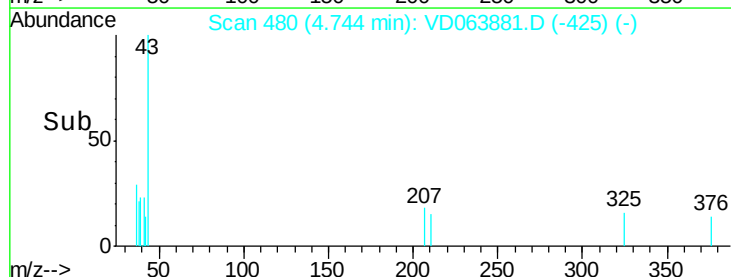
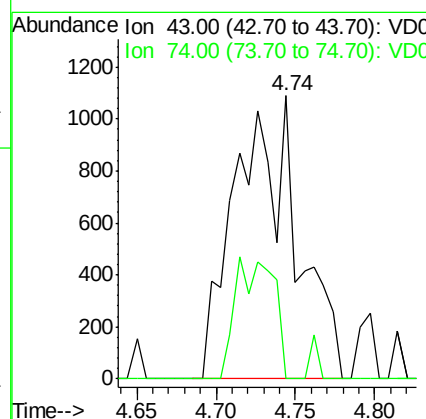
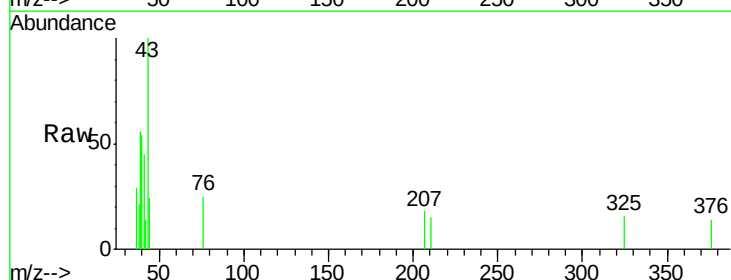
Acq: 03 Oct 2019 17:48

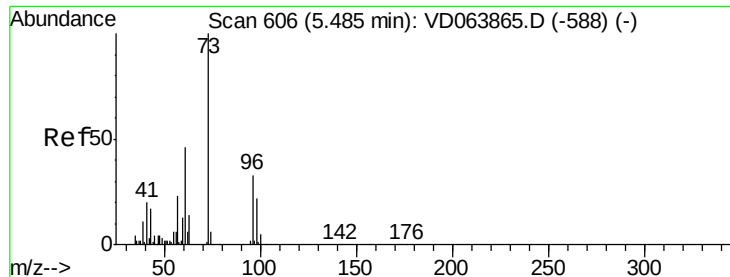
Tgt Ion: 43 Resp: 2943

Ion Ratio Lower Upper

43 100

74 2.0 20.8 31.2#





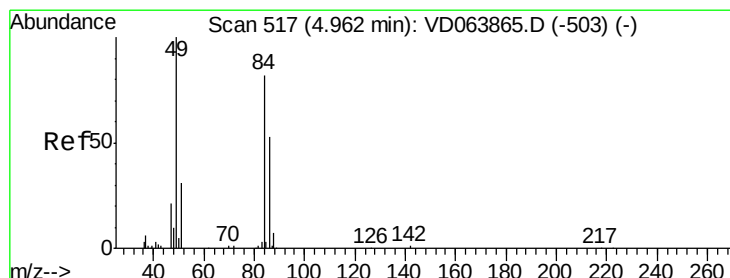
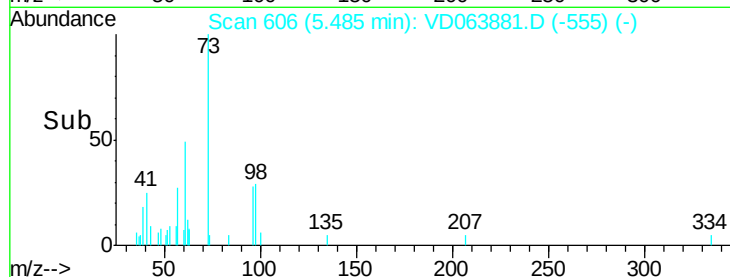
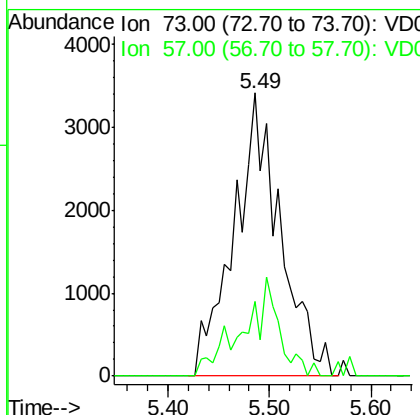
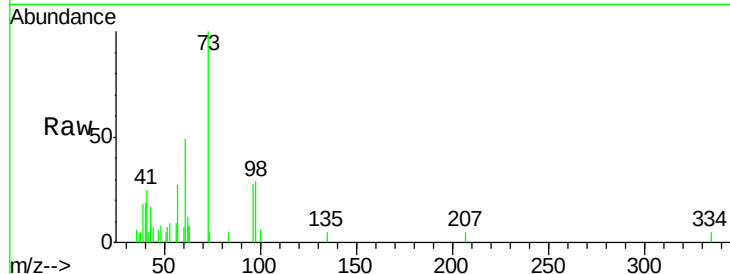
#19
Methyl tert-butyl Ether
Concen: 2.723 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
73	100		
57	26.6	18.1	27.1

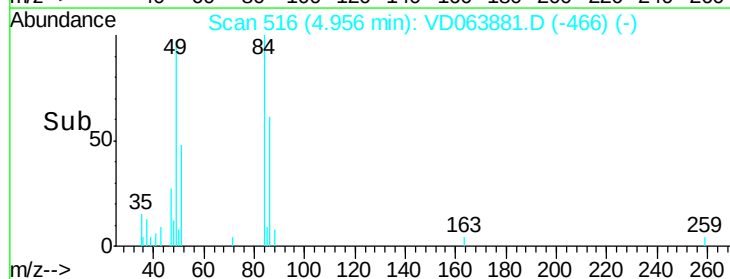
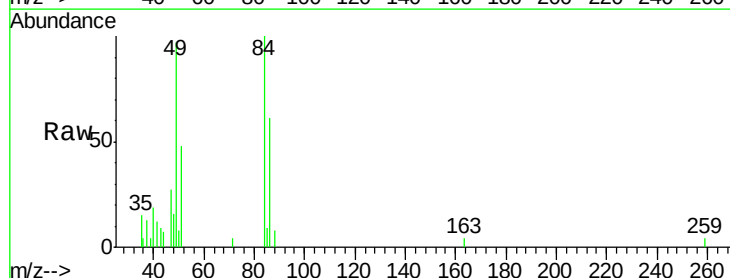
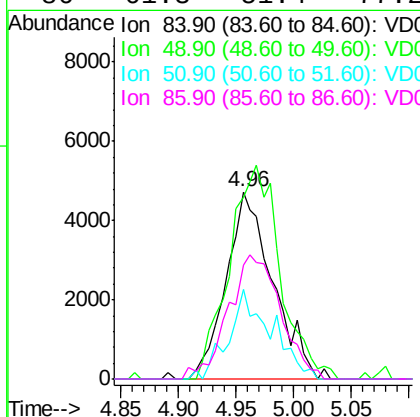
Manual Integrations
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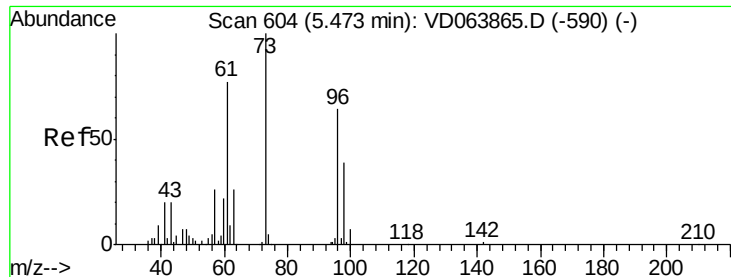
MMDadoda
10/4/2019 4:31:39 PM



#20
Methylene Chloride
Concen: 5.585 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	97.4	97.3	145.9
51	47.8	30.1	45.1#
86	61.3	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 2.626 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

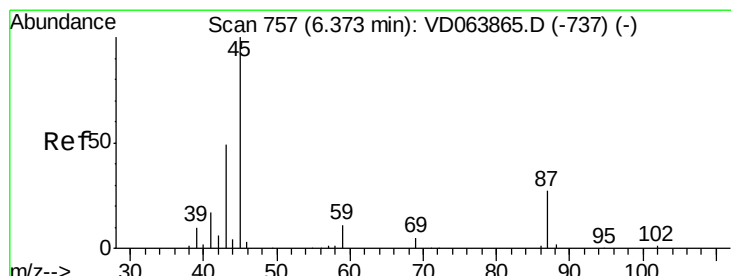
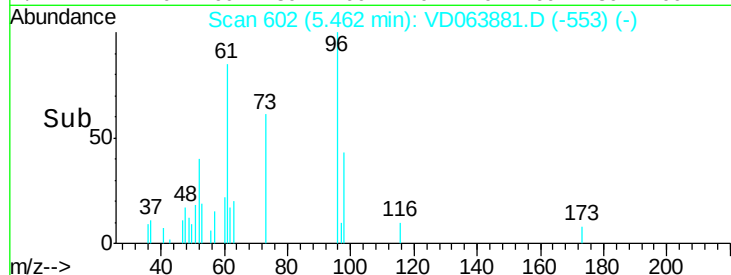
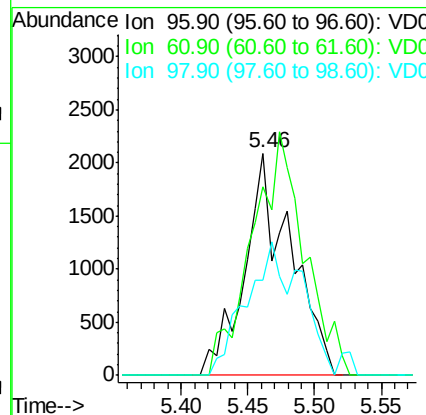
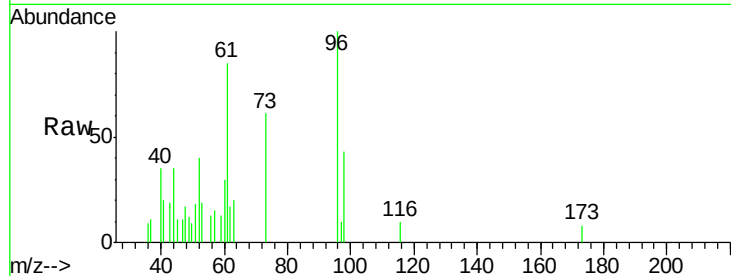
ClientSampleId :

MDL07

Tot Ion:	96	Resp:	5016
Ion	Ratio	Lower	Upper
96	100		
61	85.0	96.6	145.0#
98	42.9	48.7	73.1#

Manual Integrations
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#22

Diisopropyl ether

Concen: 2.472 ug/l

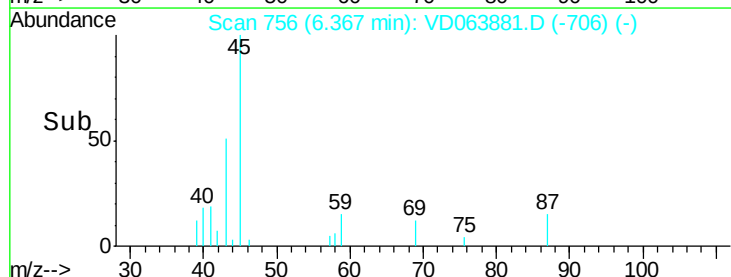
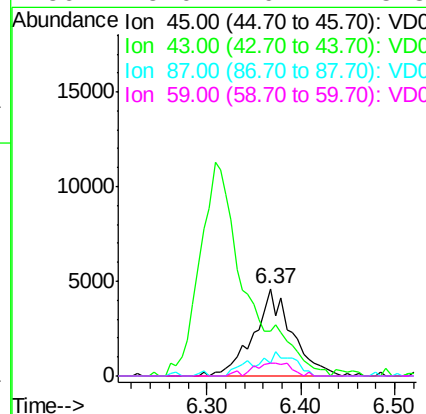
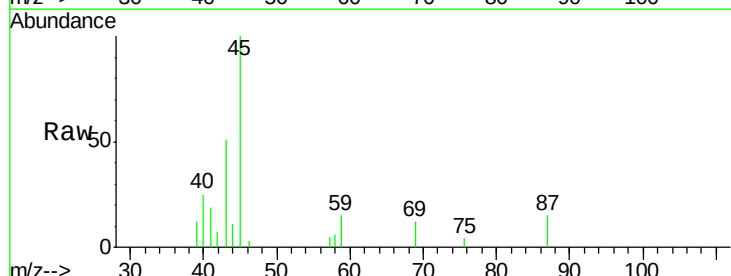
RT: 6.37 min Scan# 756

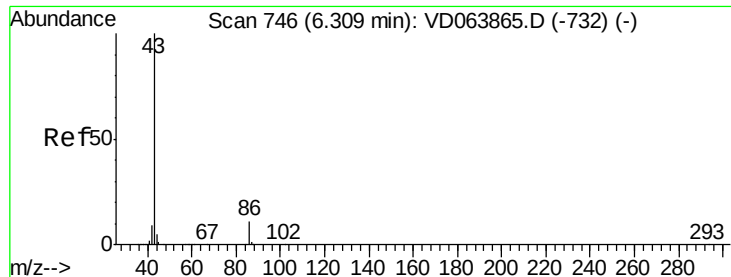
Delta R.T. -0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Tgt Ion:	45	Resp:	12880
Ion	Ratio	Lower	Upper
45	100		
43	44.1	41.2	61.8
87	14.6	22.2	33.4#
59	15.0	9.2	13.8#





#23

Vinyl Acetate

Concen: 12.362 ug/l m

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

Tot Ion: 43 Resp: 38317

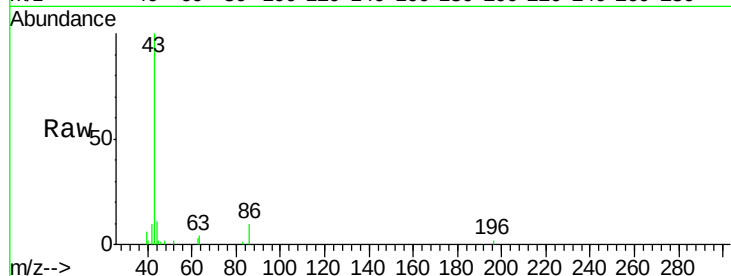
Ion Ratio Lower Upper

43 100

86 10.4 8.8 13.2

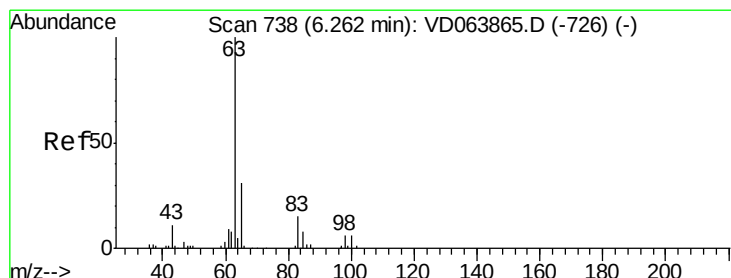
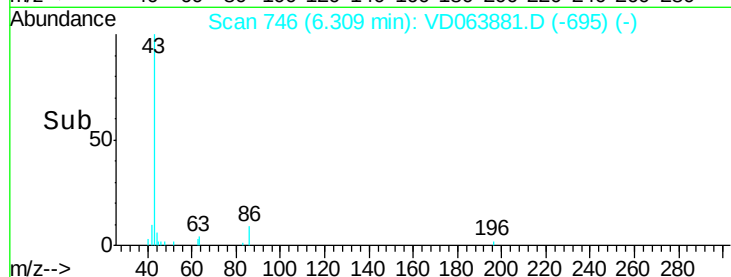
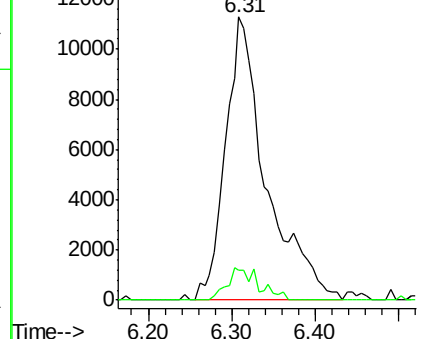
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 2.644 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

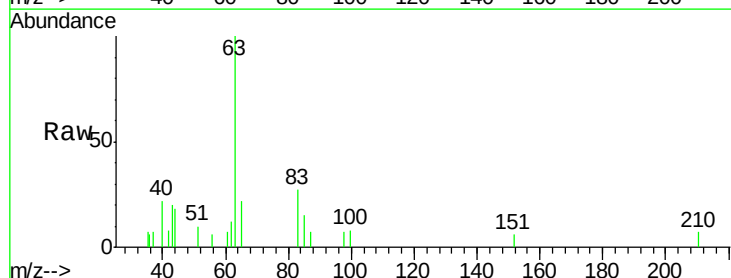
Tgt Ion: 63 Resp: 8487

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.4

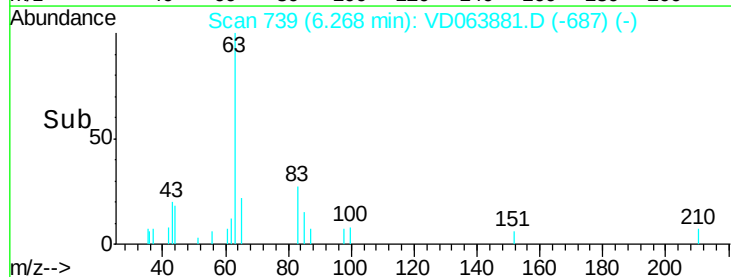
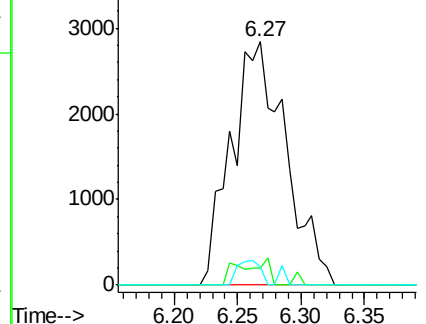
100 7.6 3.0 9.2

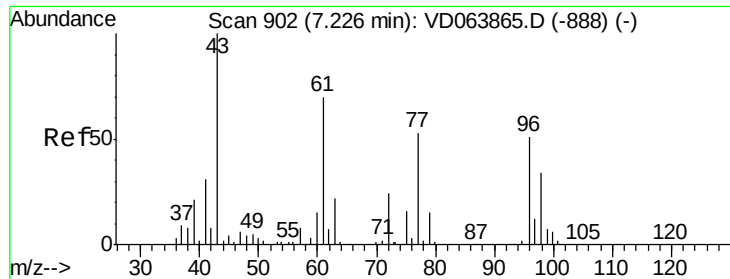


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 15.222 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

Tot Ion: 43 Resp: 8372

Ion Ratio Lower Upper

43 100

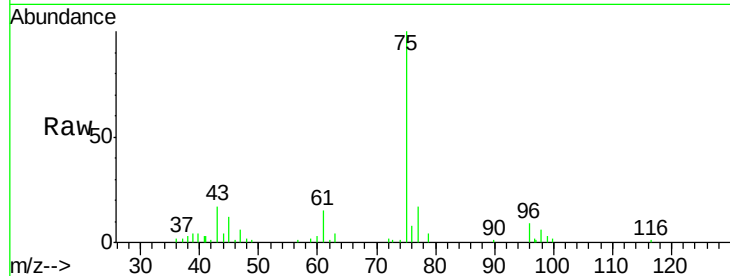
72 14.9 19.2 28.8#

Manual Integrations

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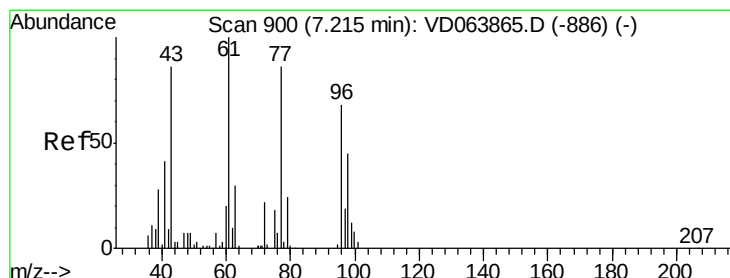
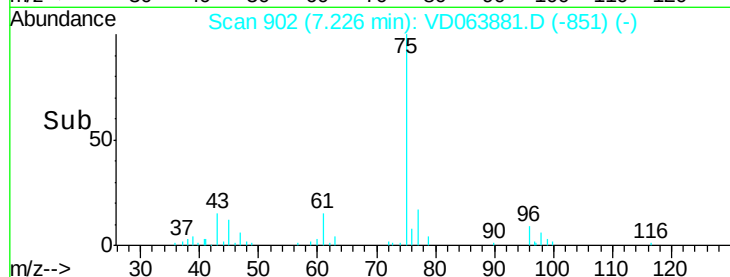
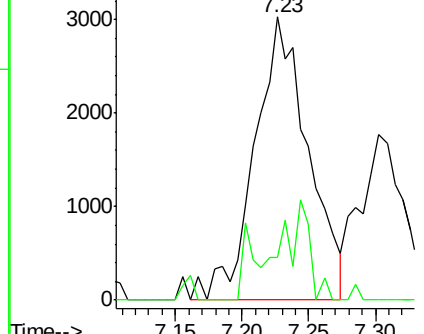
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 3.210 ug/l m

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD063881.D

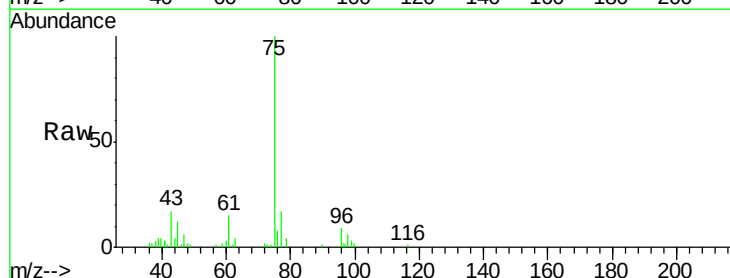
Acq: 03 Oct 2019 17:48

Tgt Ion: 77 Resp: 9319

Ion Ratio Lower Upper

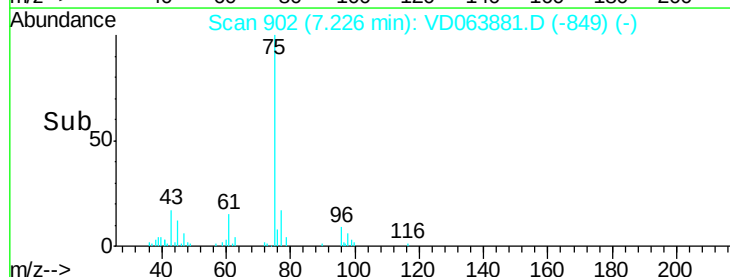
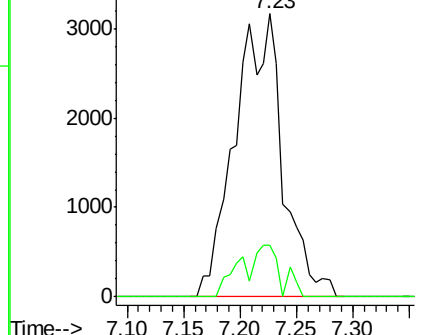
77 100

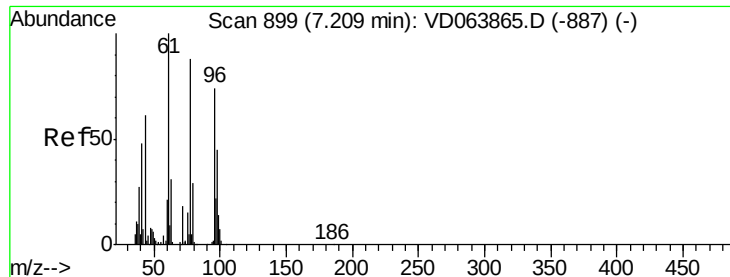
97 5.6 11.4 34.1#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

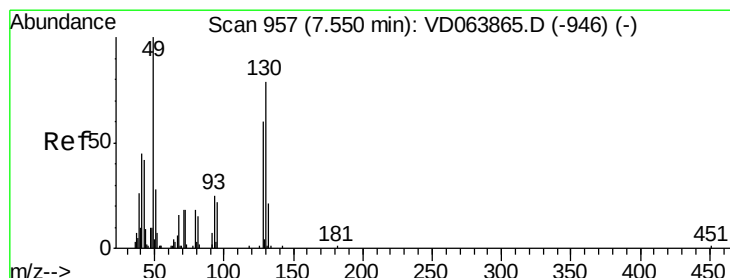
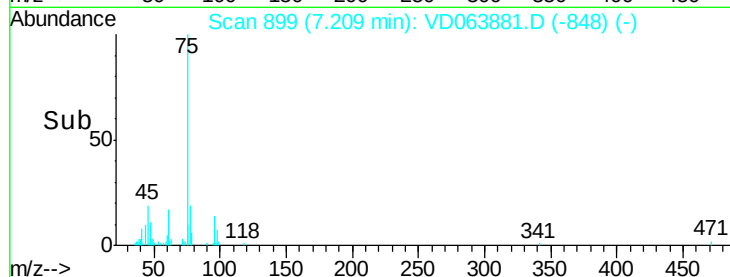
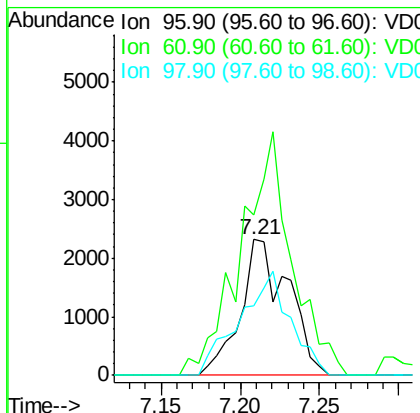
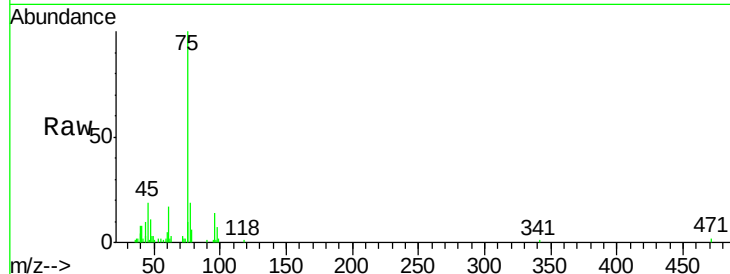
cis-1,2-Dichloroethene
Concen: 2.235 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
96	100		
61	193.2	0.0	280.0
98	82.2	0.0	130.4

Manual Integrations
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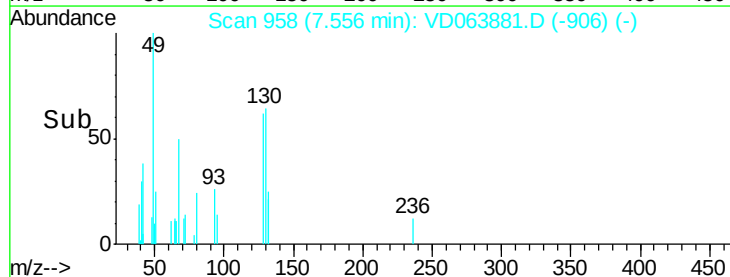
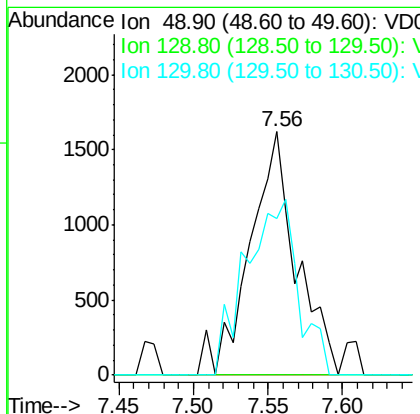
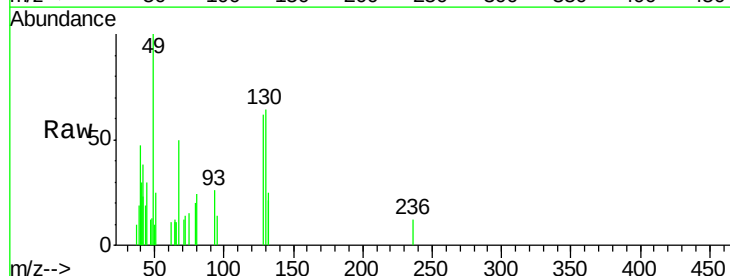
MMDadoda
10/4/2019 4:31:39 PM

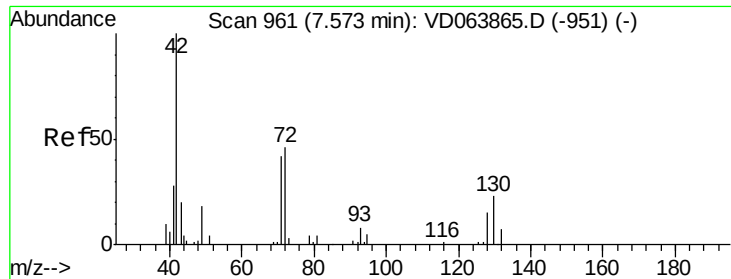


#28

Bromochloromethane
Concen: 2.916 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	81.2	66.8	100.2





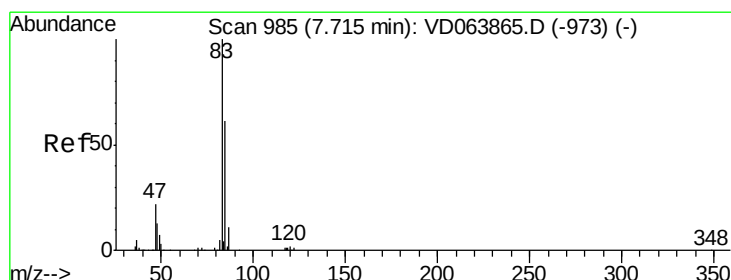
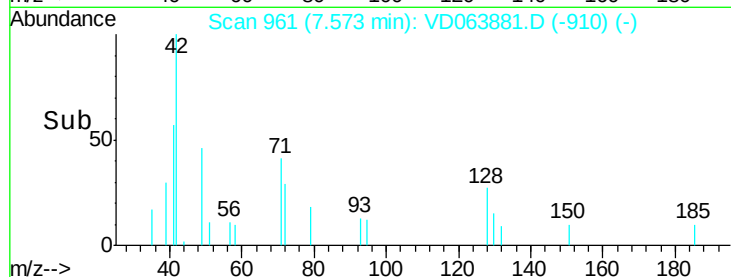
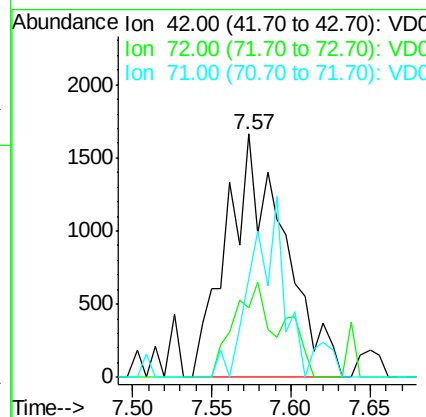
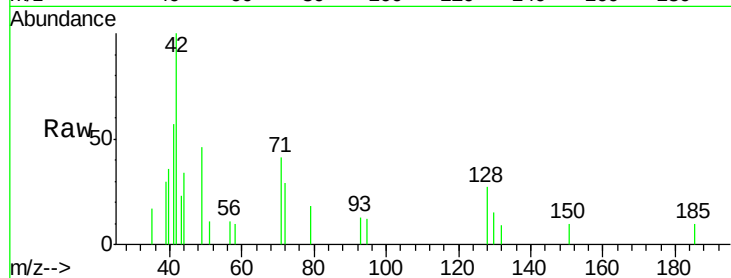
#29
Tetrahydrofuran
Concen: 13.070 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
42	100		
72	23.5	37.6	56.4#
71	40.7	35.0	52.6

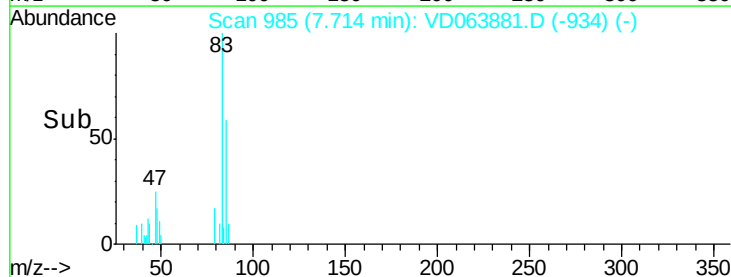
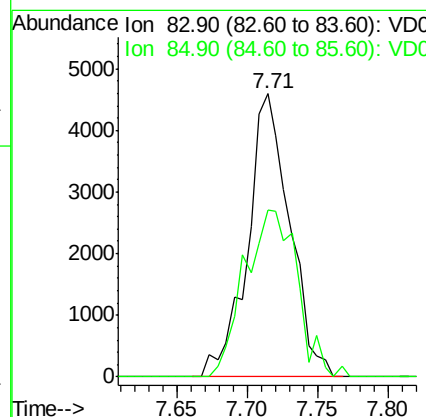
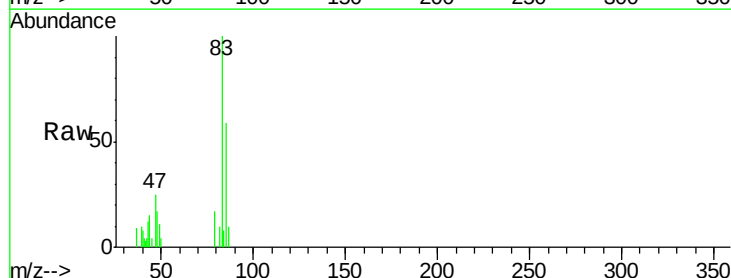
Manual Integrations
APPROVED

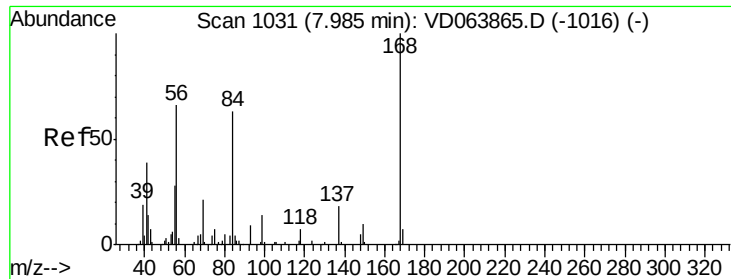
MMDadoda
10/4/2019 4:31:39 PM



#30
Chloroform
Concen: 2.755 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.0	48.9	73.3





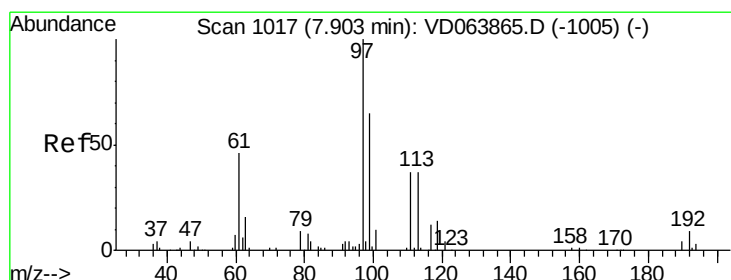
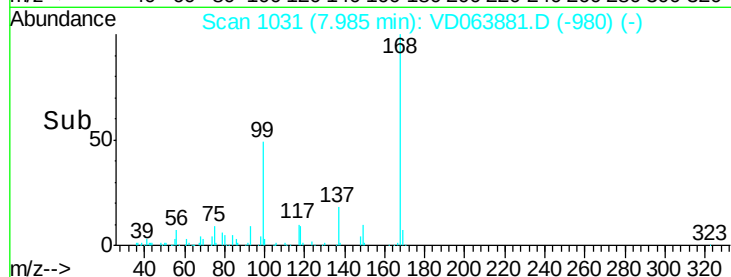
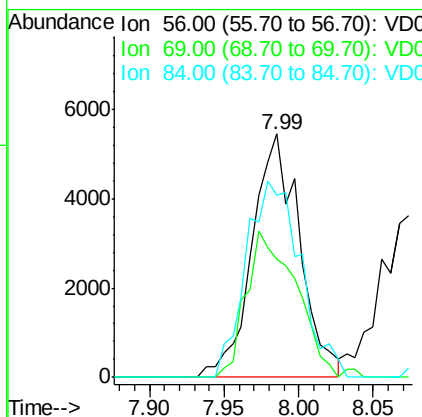
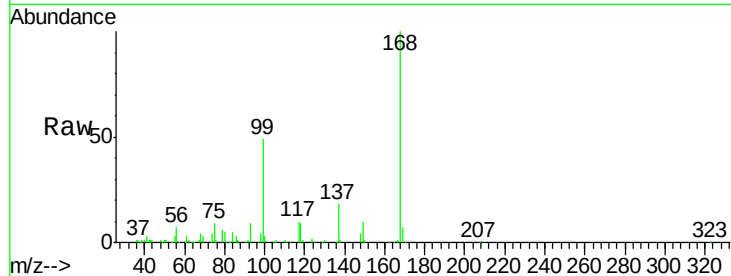
#31
Cyclohexane
Concen: 3.994 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
56	100		
69	48.4	25.0	37.4#
84	74.6	76.3	114.5#

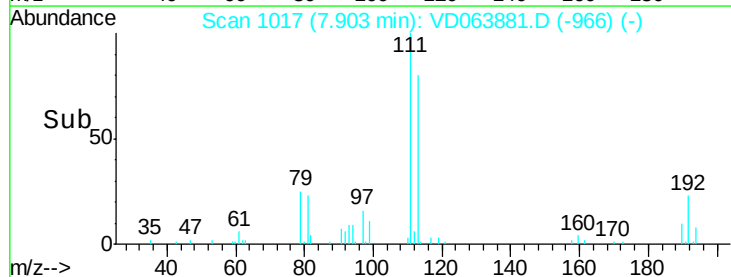
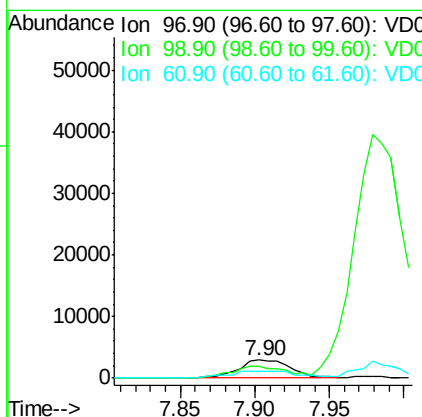
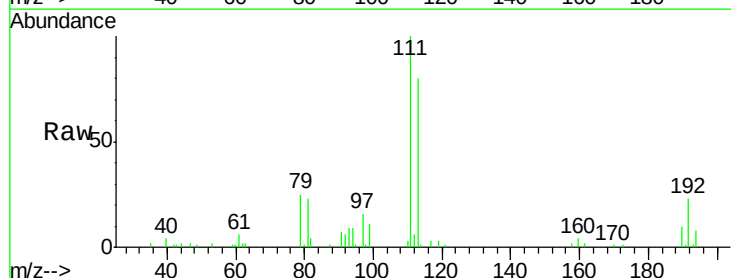
Manual Integrations
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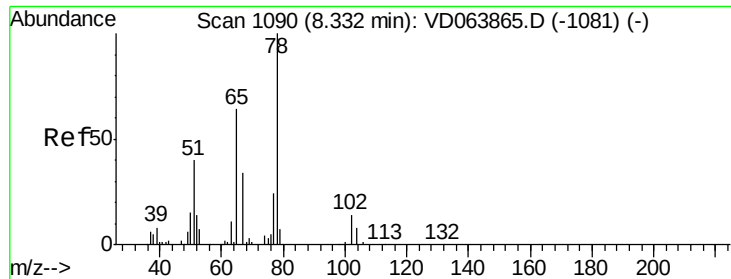
MMDadoda
10/4/2019 4:31:39 PM



#32
1,1,1-Trichloroethane
Concen: 2.373 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.4	78.6
61	49.9	33.8	50.8





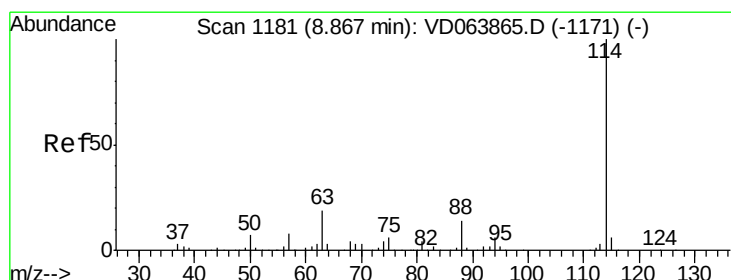
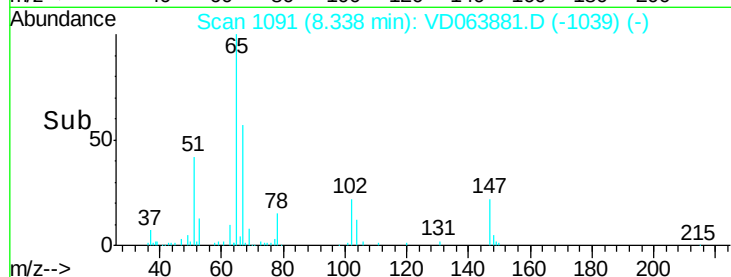
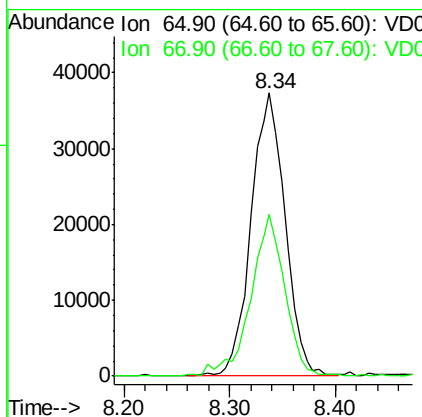
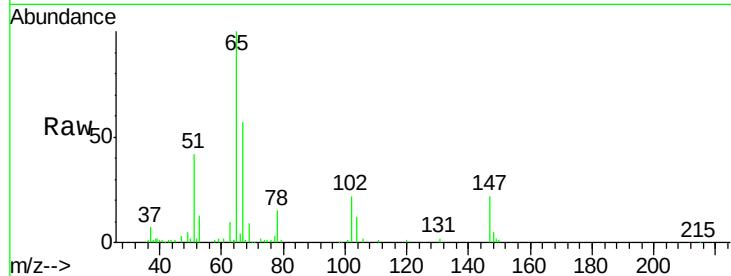
#33
 1,2-Dichloroethane-d4
 Concen: 46.934 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

Tot Ion: 65 Resp: 83663
 Ion Ratio Lower Upper
 65 100
 67 57.0 0.0 106.4

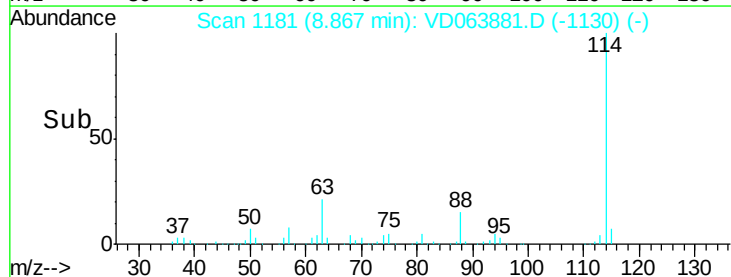
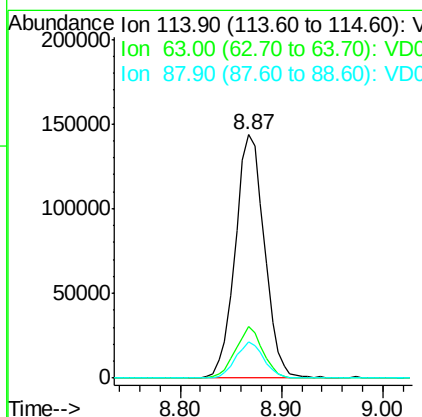
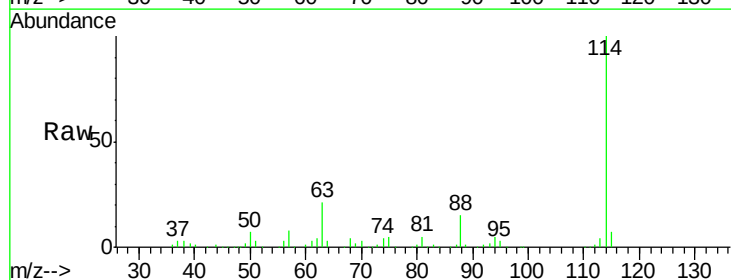
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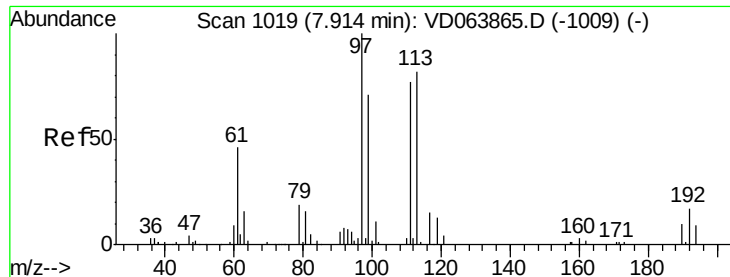
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion: 114 Resp: 287556
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 38.4
 88 15.1 0.0 27.4





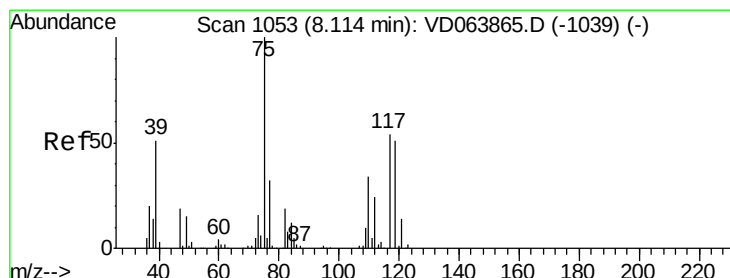
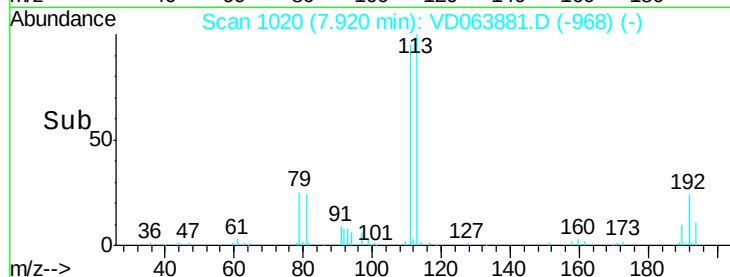
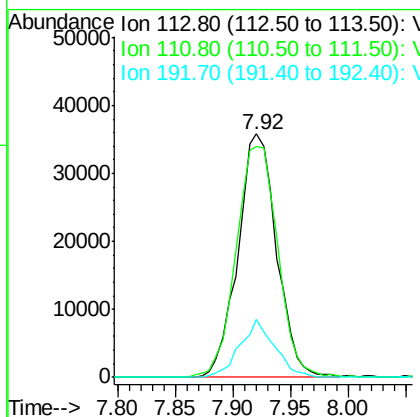
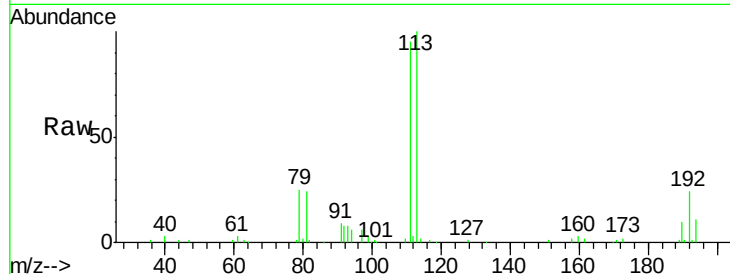
#35
 Dibromofluoromethane
 Concen: 47.395 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	21.3	17.1	25.7

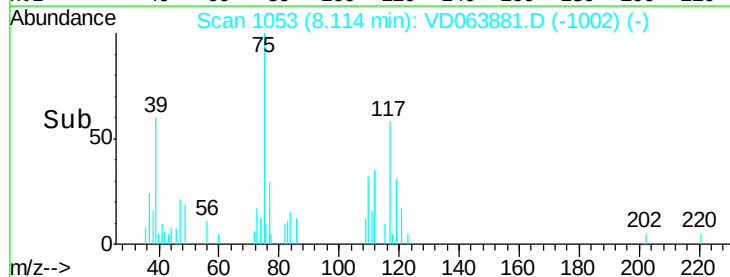
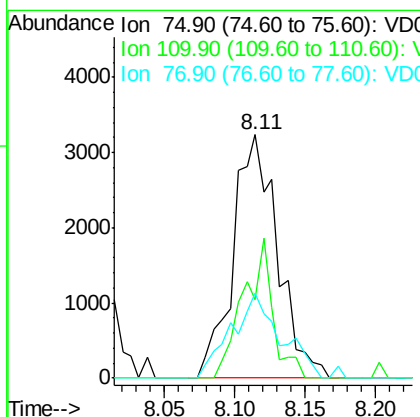
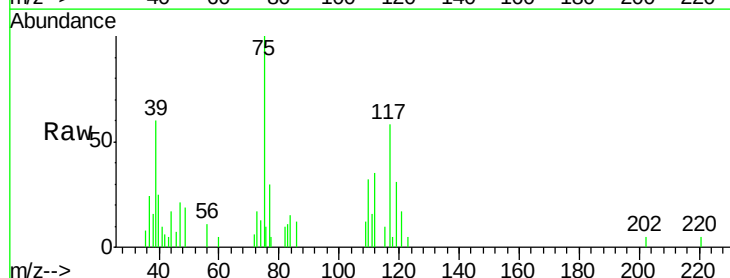
Manual Integrations
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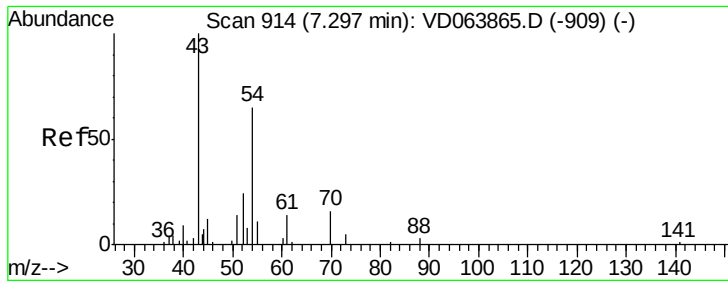
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 10/4/2019 4:31:39 PM



#36
 1,1-Dichloropropene
 Concen: 2.708 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.1	17.4	52.3
77	38.9	25.4	38.0





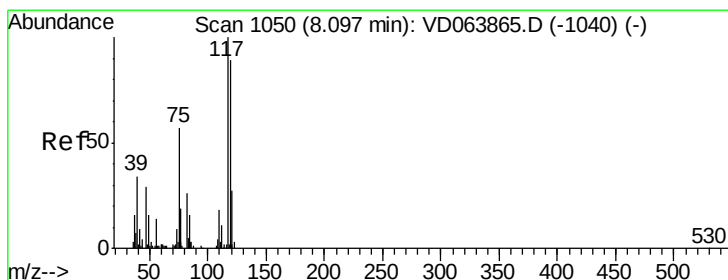
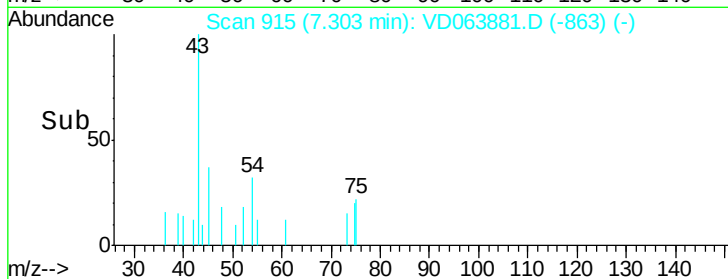
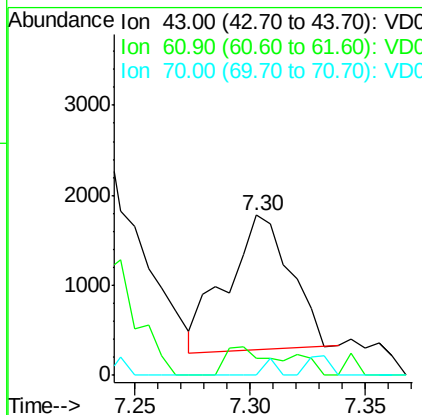
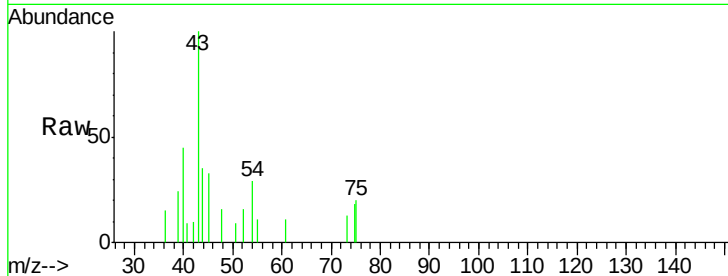
#37
Ethyl Acetate
Concen: 2.411 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	2.4	8.2	12.4

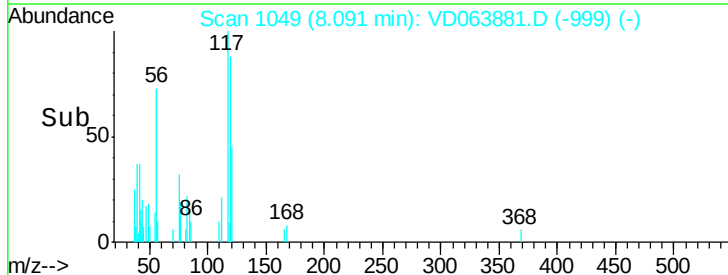
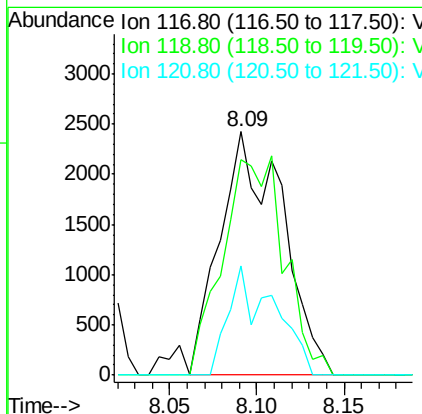
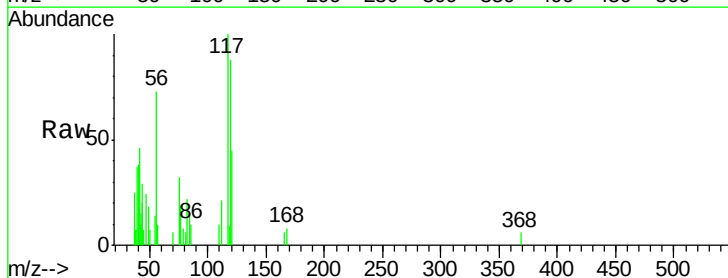
Manual Integrations
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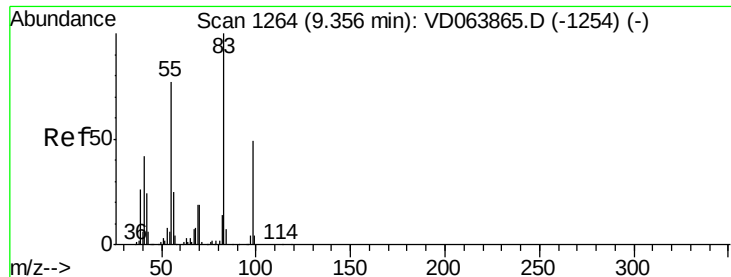
MMDadoda
10/4/2019 4:31:39 PM



#38
Carbon Tetrachloride
Concen: 2.282 ug/l m
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.3	70.8	106.2
121	44.8	21.4	32.0





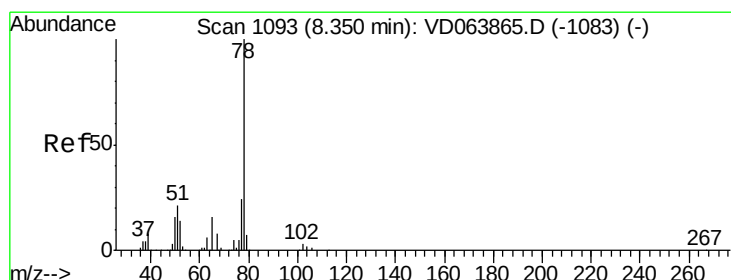
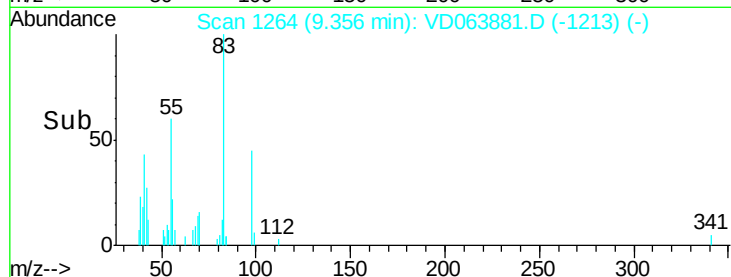
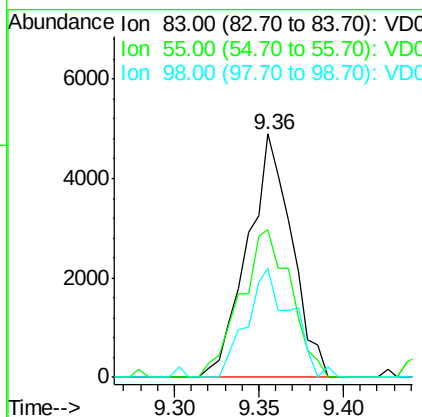
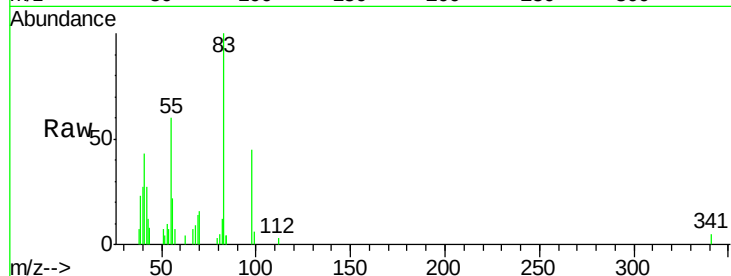
#39
Methylvlcyclohexane
Concen: 2.752 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
83	100		
55	60.4	61.3	91.9#
98	44.8	39.3	58.9

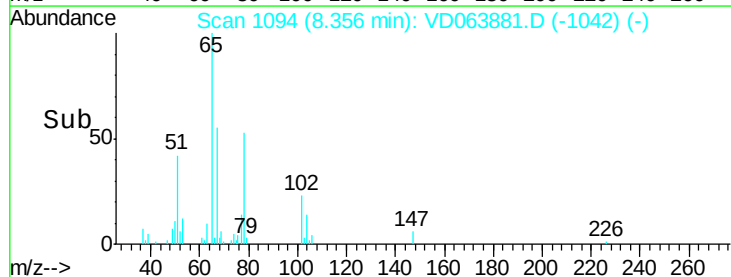
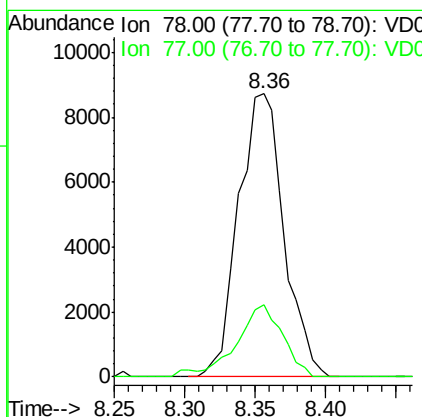
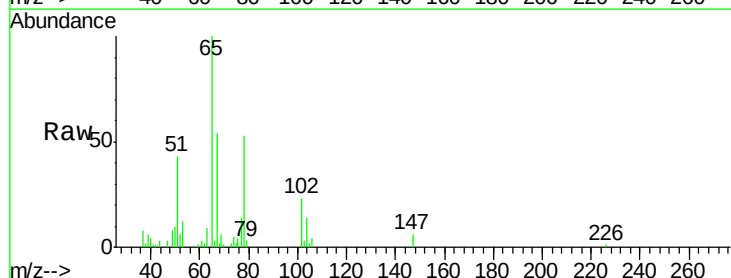
Manual Integrations
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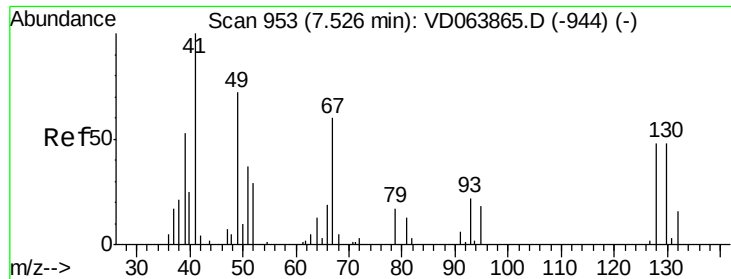
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10/4/2019 4:31:39 PM



#40
Benzene
Concen: 2.607 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.7	19.0	28.6





#41

Methacrylonitrile

Concen: 3.306 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampled :

MDL07

Tot Ion: 41 Resp: 2015

Ion Ratio Lower Upper

41 100

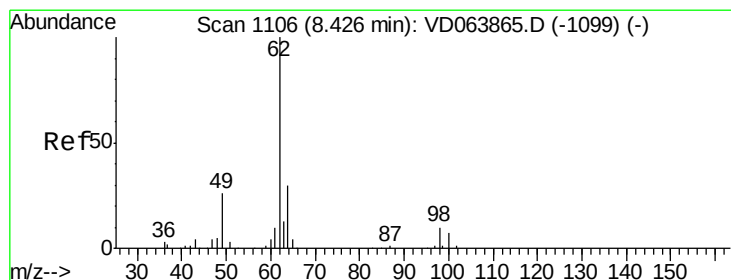
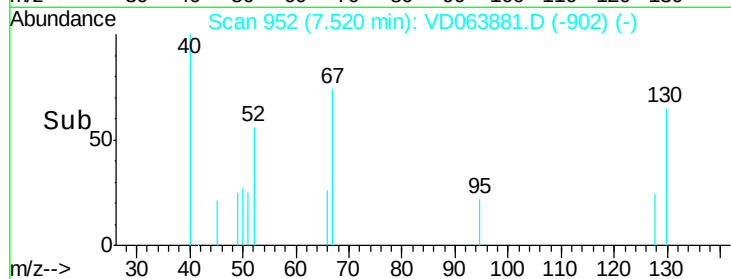
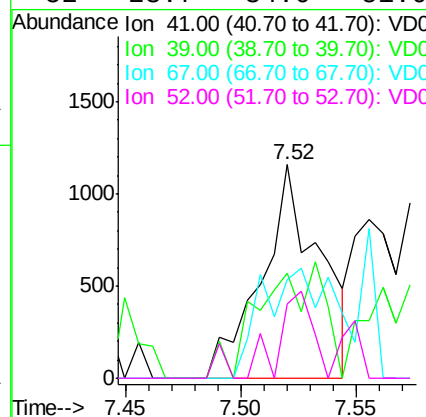
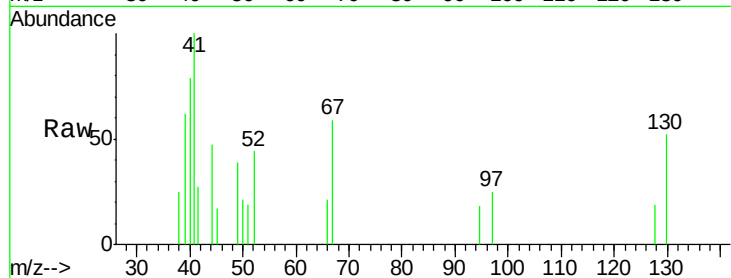
39 59.8 52.6 78.8

67 65.3 74.2 111.2#

52 23.7 34.0 51.0#

Manual Integrations
APPROVED

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10/4/2019 4:31:39 PM



#42

1,2-Dichloroethane

Concen: 2.604 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD063881.D

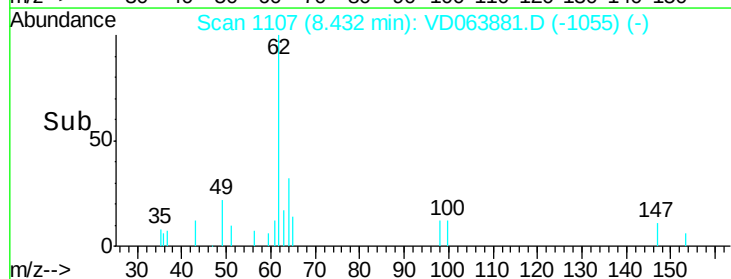
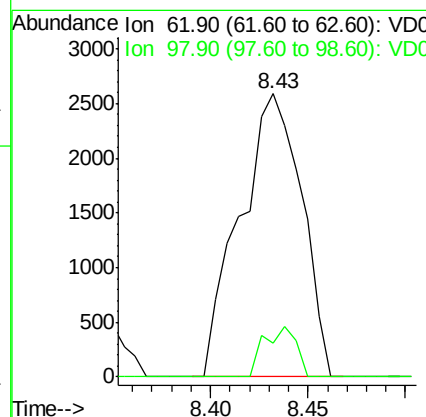
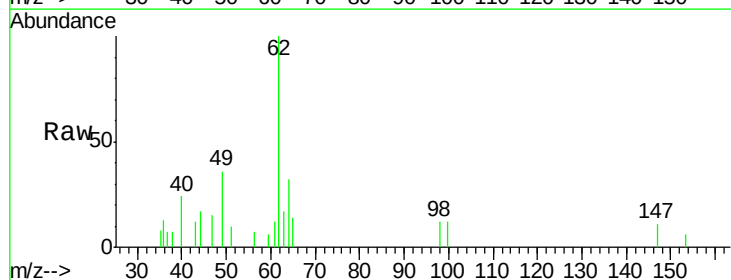
Acq: 03 Oct 2019 17:48

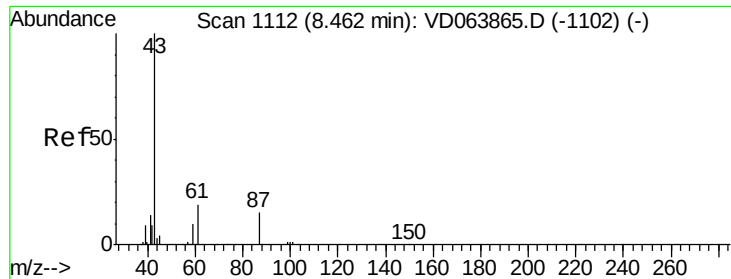
Tgt Ion: 62 Resp: 5675

Ion Ratio Lower Upper

62 100

98 9.2 0.0 20.0





#43

Isopropyl Acetate

Concen: 2.854 ug/l

RT: 8.47 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

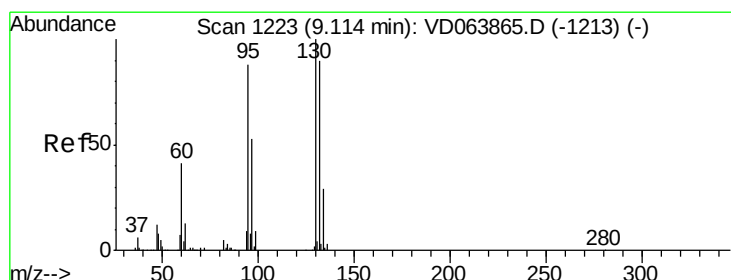
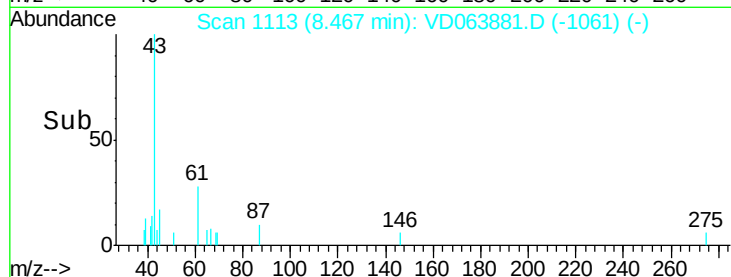
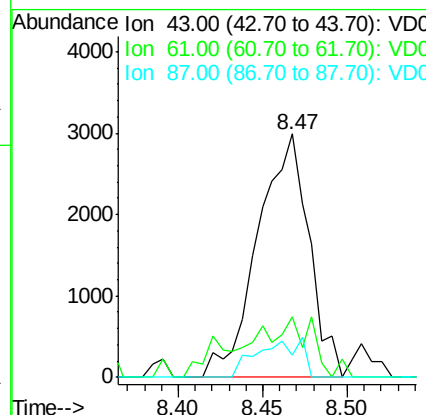
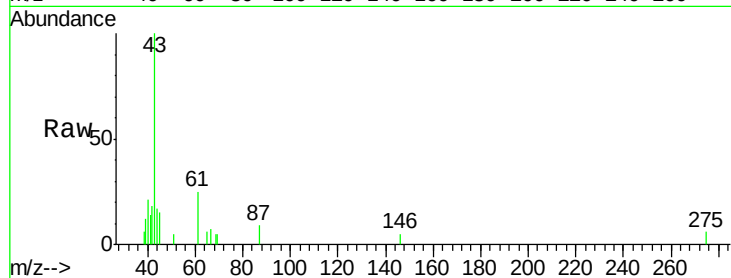
ClientSampleId :

MDL07

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.7	38.5#
87	13.6	11.6	17.4

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#44

Trichloroethene

Concen: 2.559 ug/l

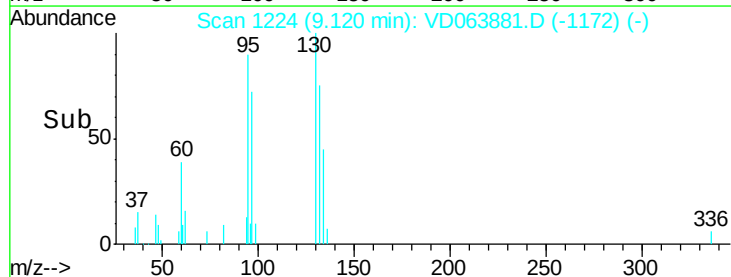
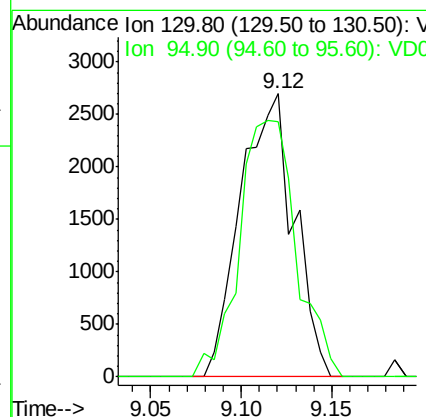
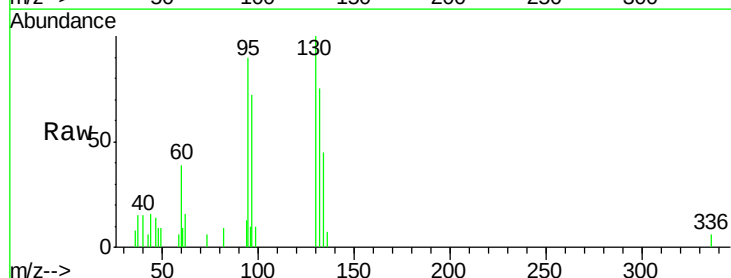
RT: 9.12 min Scan# 1224

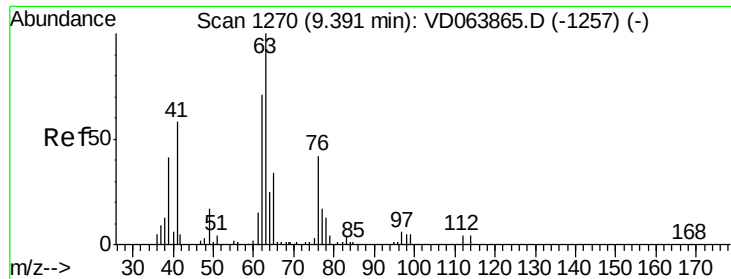
Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	175.6





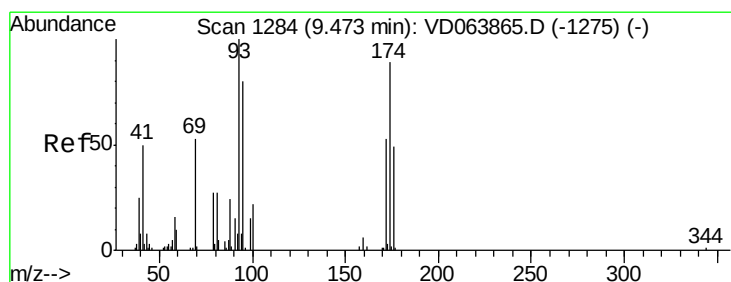
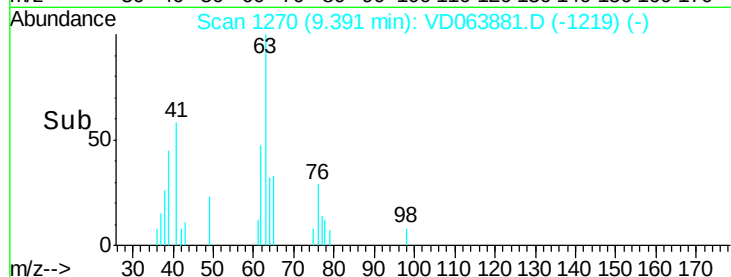
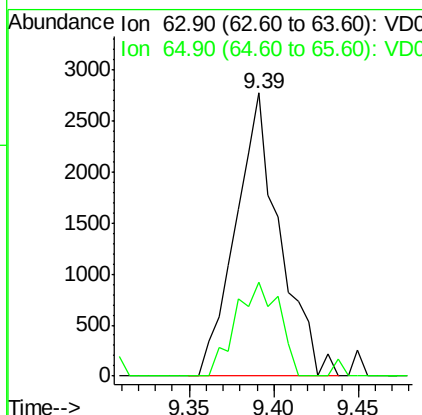
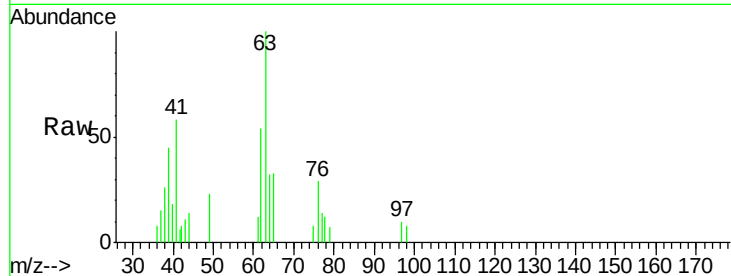
#45
 1,2-Dichloropropane
 Concen: 2.718 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

Tot Ion: 63 Resp: 5012
 Ion Ratio Lower Upper
 63 100
 65 33.3 27.3 40.9

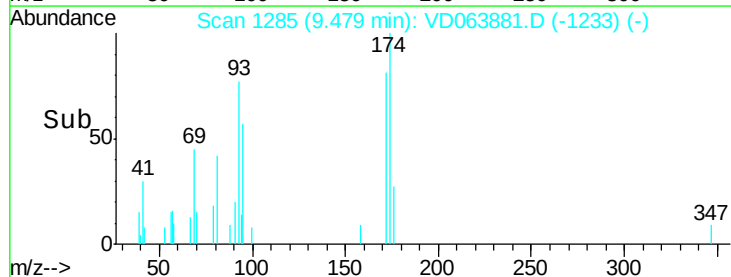
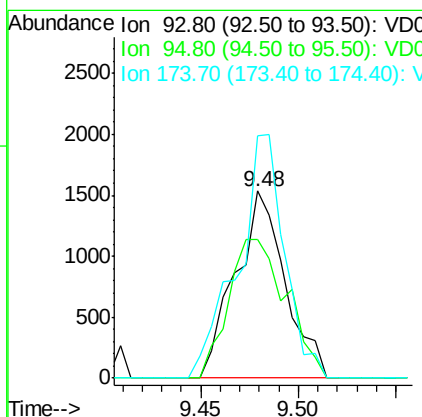
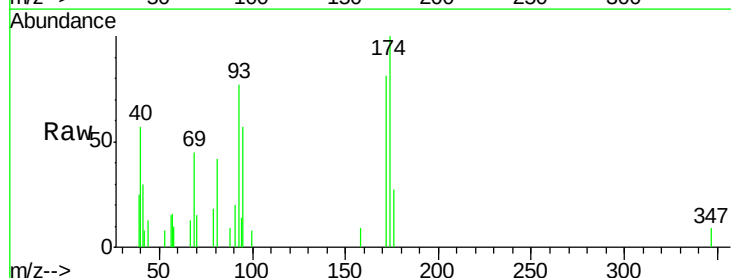
Manual Integrations
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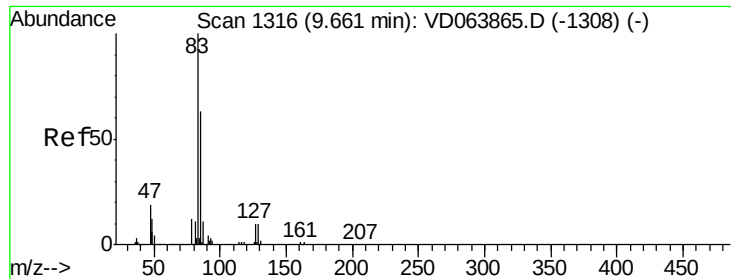
MMDadoda
 10/4/2019 4:31:39 PM



#46
 Dibromomethane
 Concen: 2.577 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion: 93 Resp: 2707
 Ion Ratio Lower Upper
 93 100
 95 86.2 66.0 99.0
 174 122.6 83.4 125.0





#47

Bromodichloromethane

Concen: 2.251 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

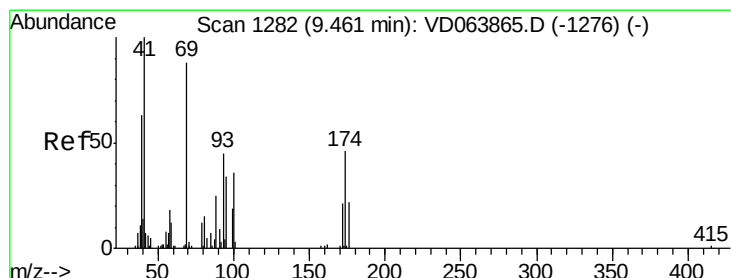
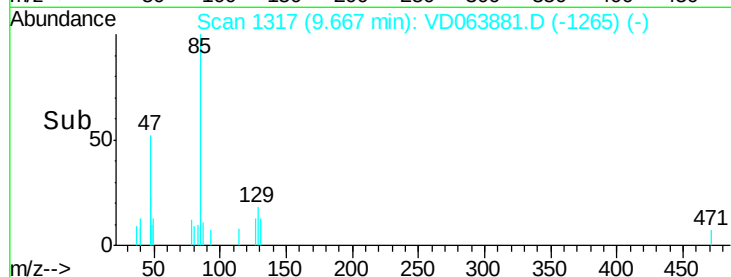
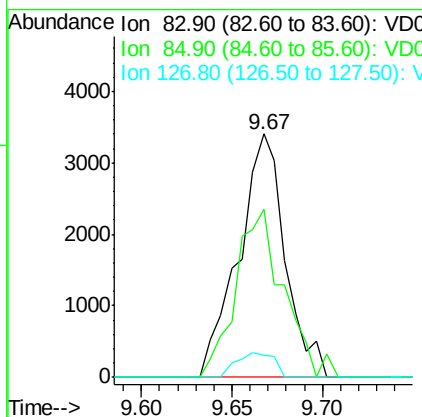
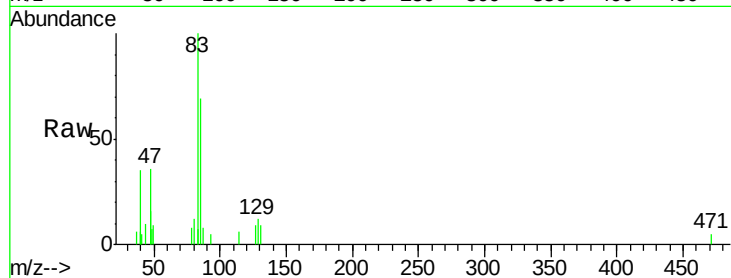
ClientSampleId :

MDL07

Tot Ion:	83	Resp:	6086
Ion	Ratio	Lower	Upper
83	100		
85	68.8	50.2	75.2
127	9.1	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 3.278 ug/l

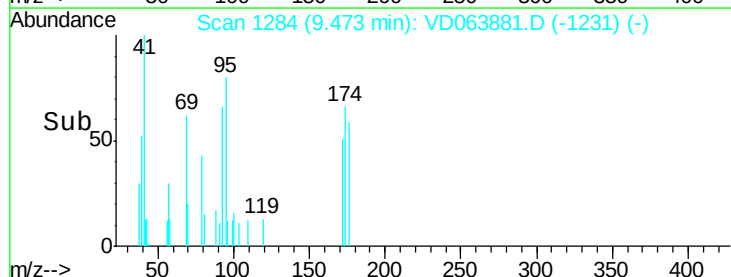
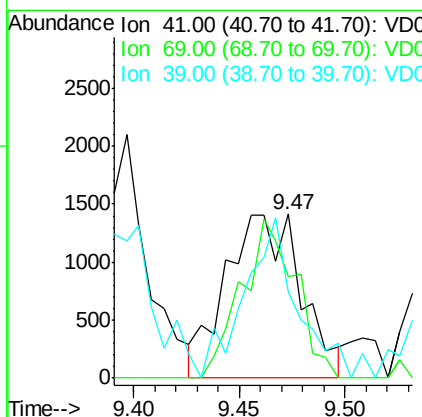
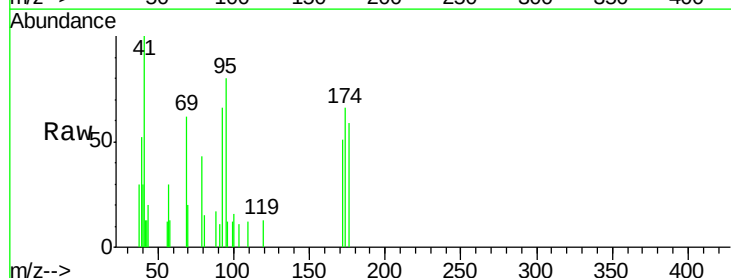
RT: 9.47 min Scan# 1284

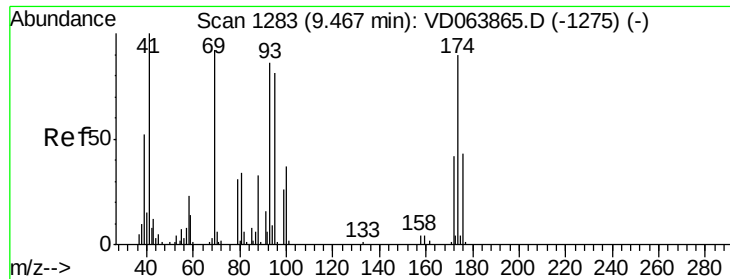
Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Tgt Ion:	41	Resp:	3463
Ion	Ratio	Lower	Upper
41	100		
69	70.4	75.1	112.7#
39	68.9	50.2	75.2





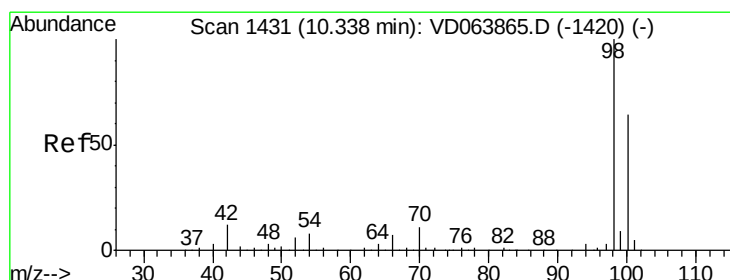
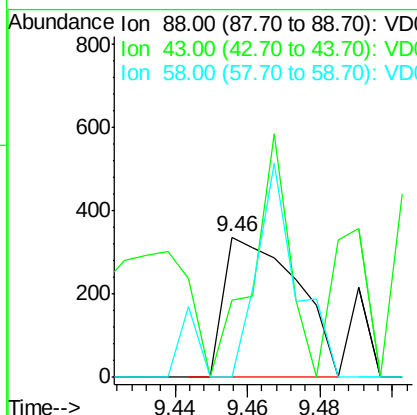
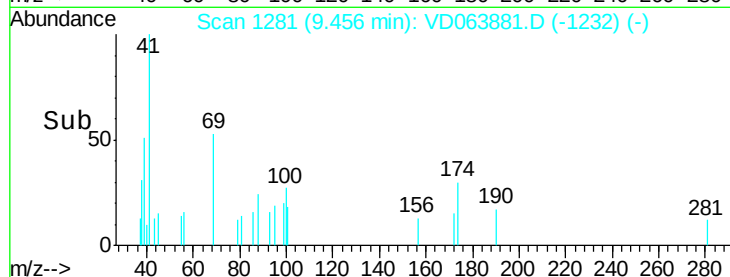
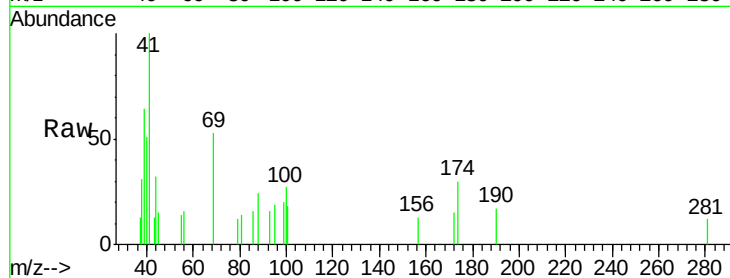
#49
1,4-Dioxane
Concen: 33.063 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
88	100		
43	85.7	27.6	41.4#
58	81.4	54.1	81.1#

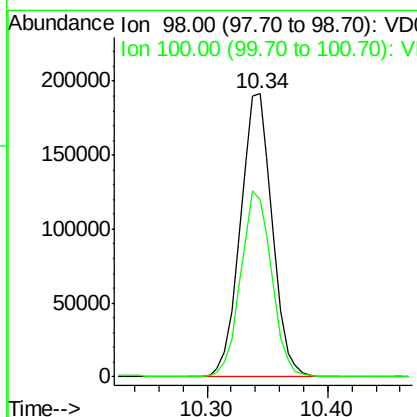
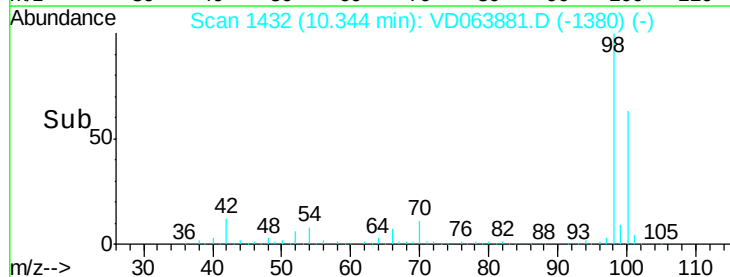
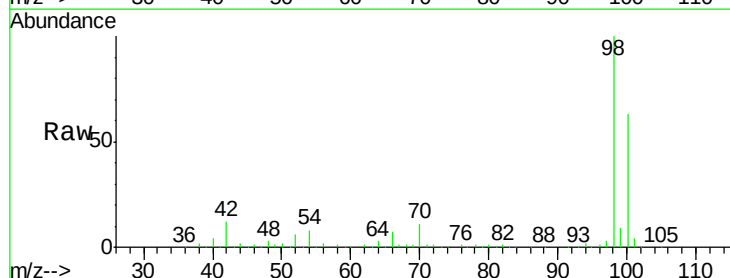
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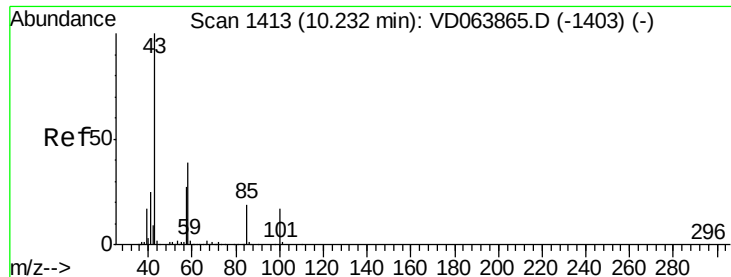
MMDadoda
10/4/2019 4:31:39 PM



#50
Toluene-d8
Concen: 49.429 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 13.299 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

Tot Ion: 43 Resp: 15208

Ion Ratio Lower Upper

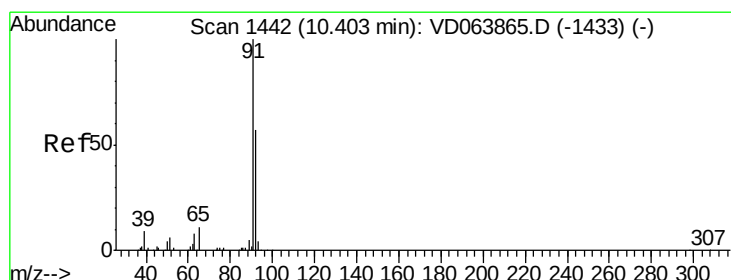
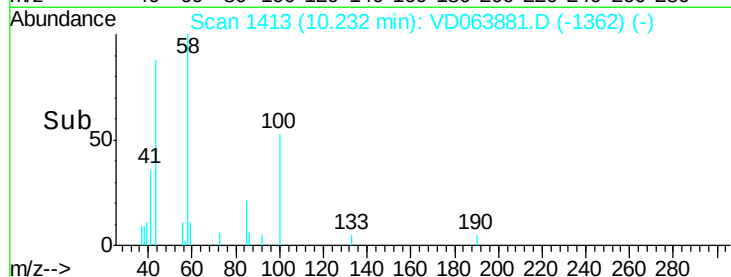
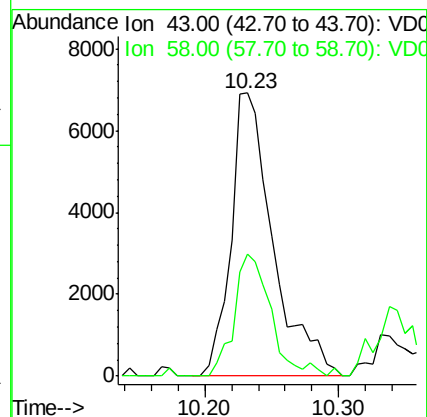
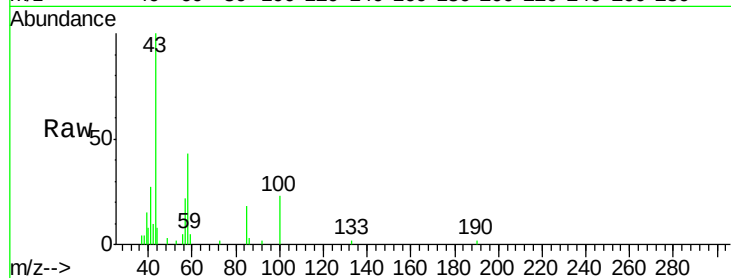
43 100

58 37.3 33.0 49.4

Manual Integrations
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10/4/2019 4:31:39 PM



#52

Toluene

Concen: 2.490 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD063881.D

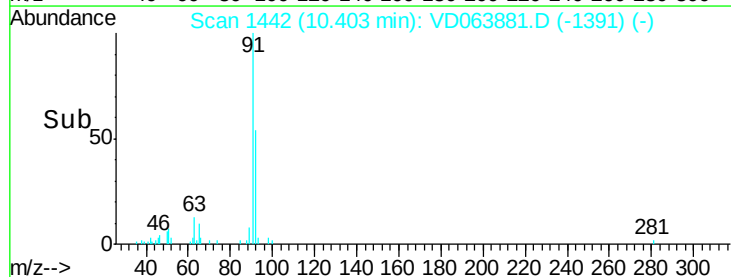
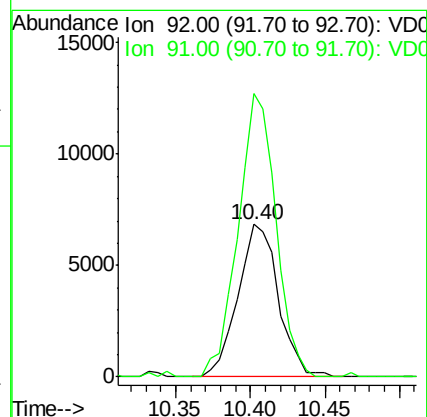
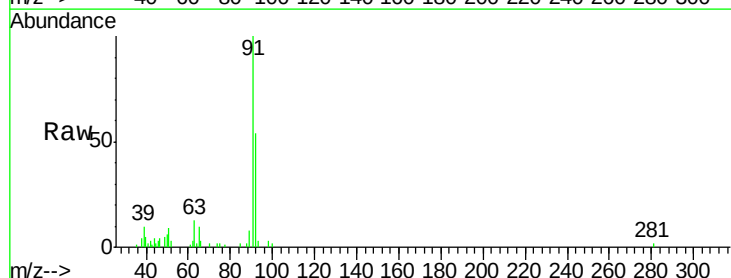
Acq: 03 Oct 2019 17:48

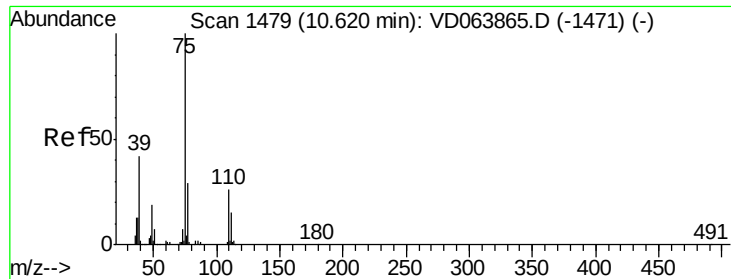
Tgt Ion: 92 Resp: 12881

Ion Ratio Lower Upper

92 100

91 173.0 139.5 209.3





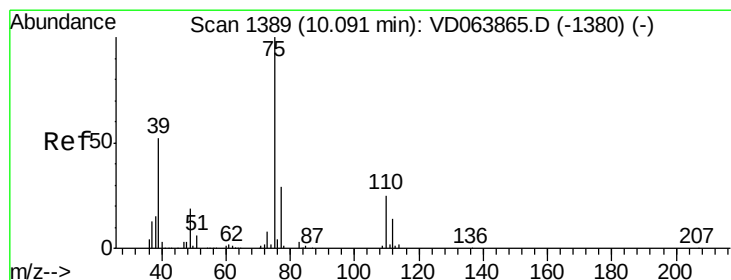
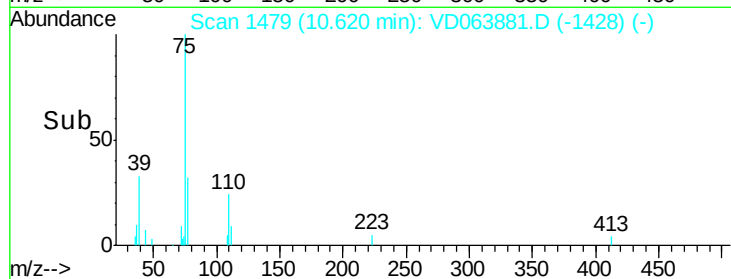
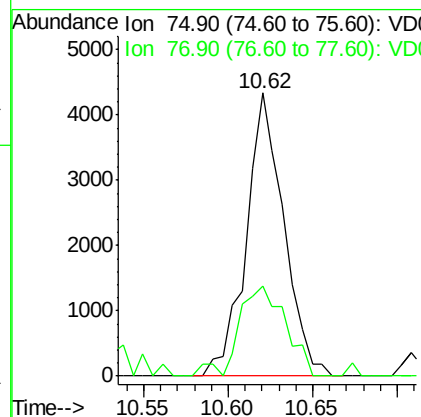
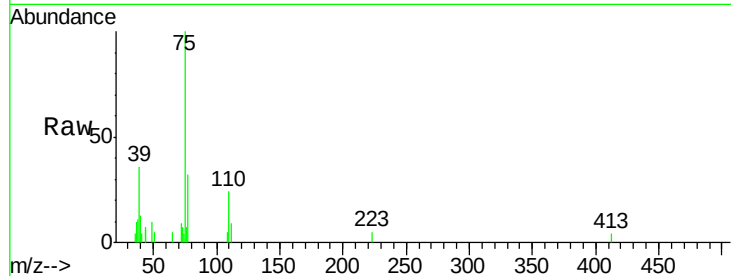
#53
 t-1,3-Dichloropropene
 Concen: 2.544 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleID :
 MDL07

Tot Ion: 75 Resp: 6713
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.8 34.2

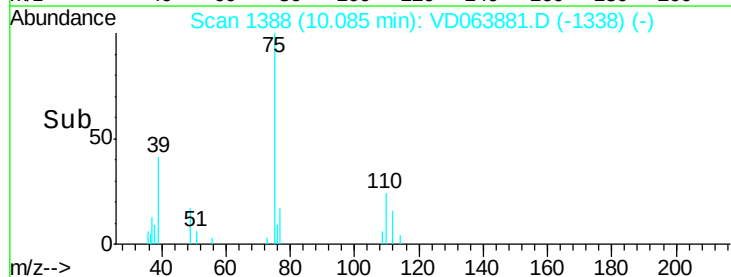
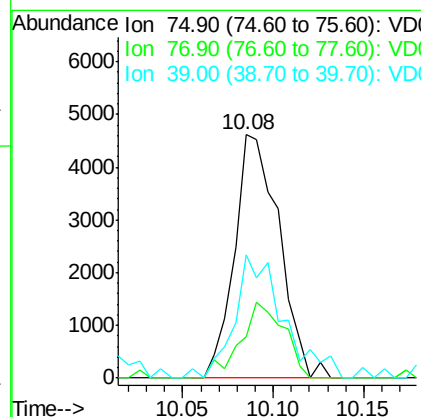
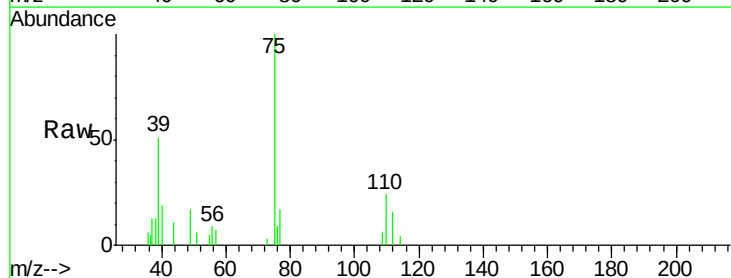
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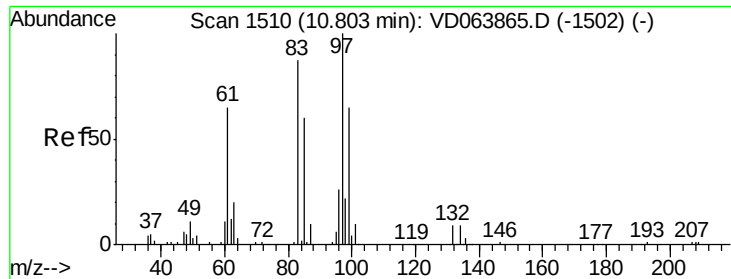
MMDadoda
 10/4/2019 4:31:39 PM



#54
 cis-1,3-Dichloropropene
 Concen: 2.611 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion: 75 Resp: 7930
 Ion Ratio Lower Upper
 75 100
 77 17.1 23.2 34.8#
 39 50.7 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 3.231 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

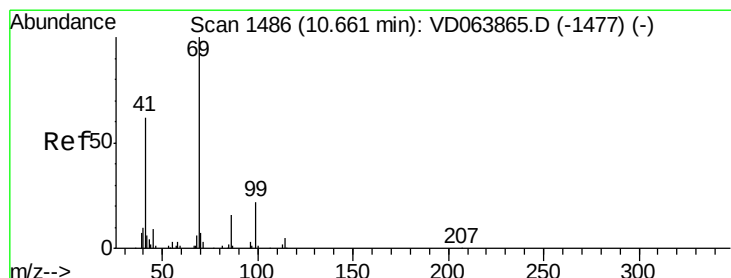
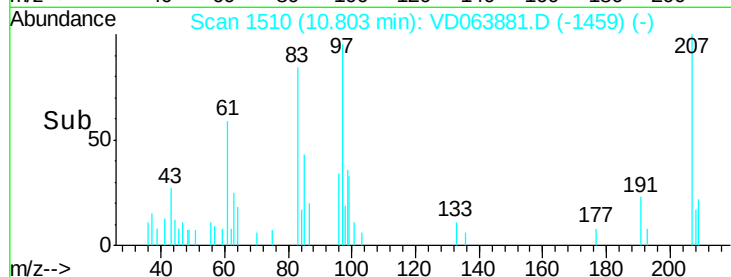
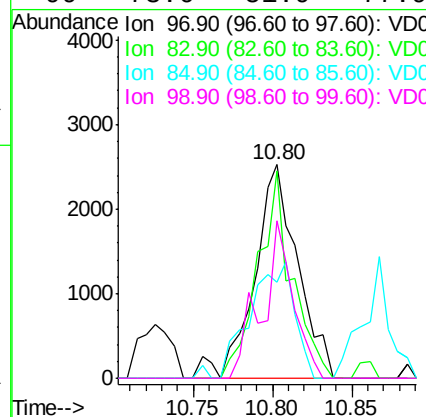
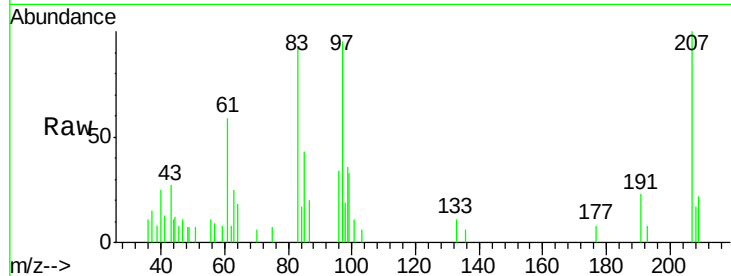
ClientSampled :

MDL07

Tot Ion:	97	Resp:	4792
Ion	Ratio	Lower	Upper
97	100		
83	96.9	69.7	104.5
85	45.2	48.1	72.1#
99	73.6	51.9	77.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 2.494 ug/l

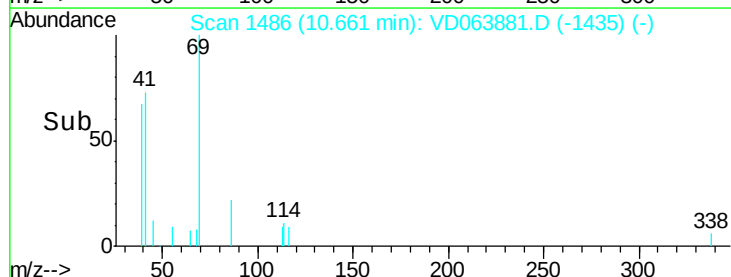
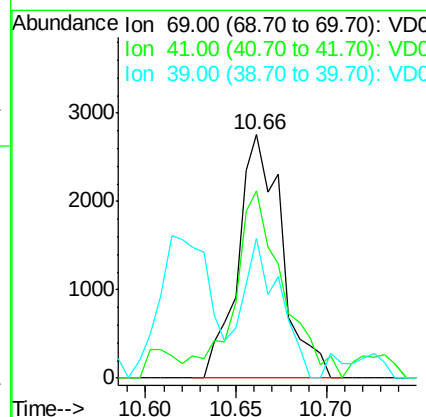
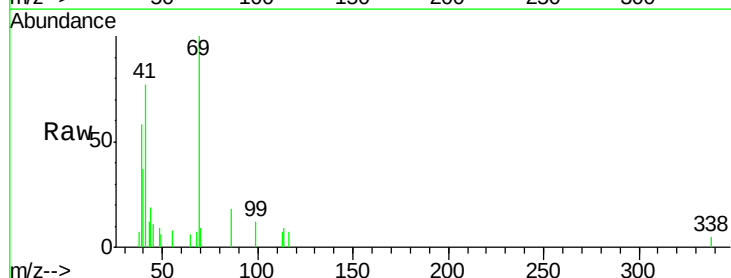
RT: 10.66 min Scan# 1486

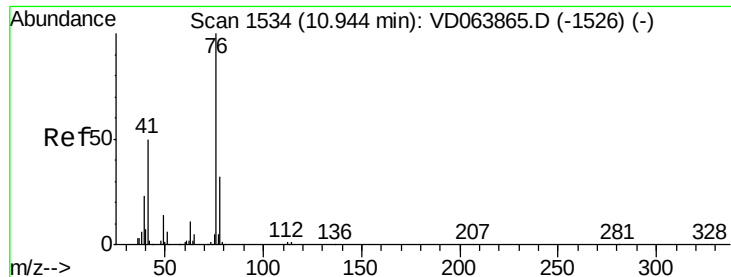
Delta R.T. -0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Tgt Ion:	69	Resp:	4684
Ion	Ratio	Lower	Upper
69	100		
41	84.1	51.3	76.9#
39	47.6	28.0	42.0#





#57

1,3-Dichloropropane

Concen: 2.343 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

Tot Ion: 76 Resp: 5946

Ion Ratio Lower Upper

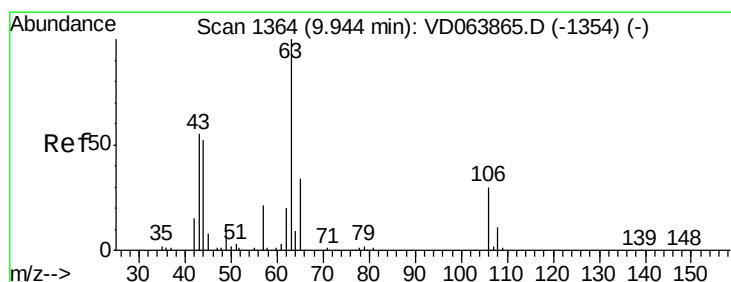
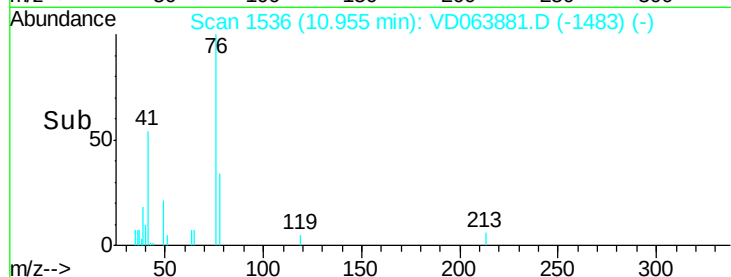
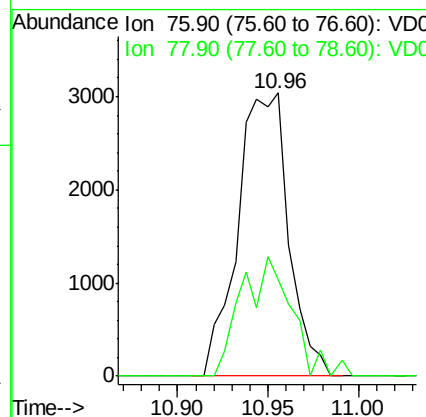
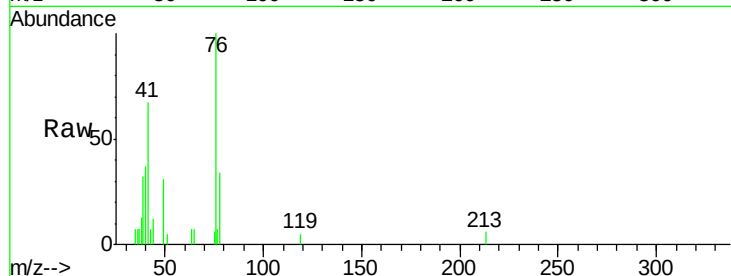
76 100

78 41.9 26.6 40.0#

Manual Integrations
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MMDadoda

10/4/2019 4:31:39 PM



#58

2-Chloroethyl Vinyl ether

Concen: 12.085 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD063881.D

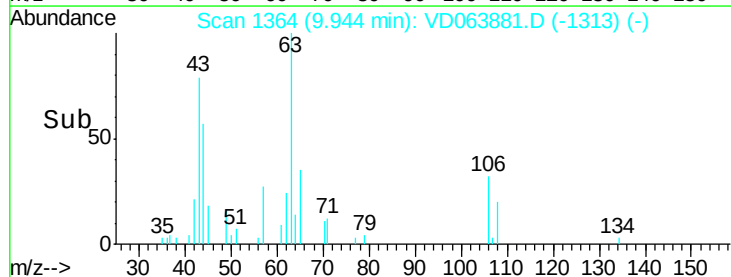
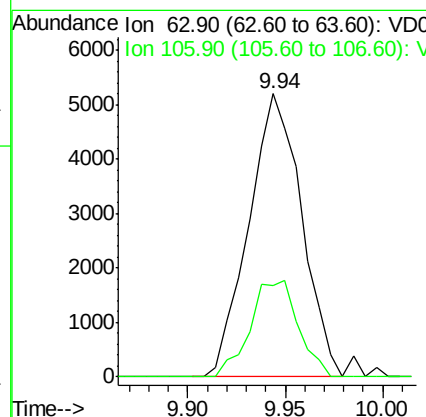
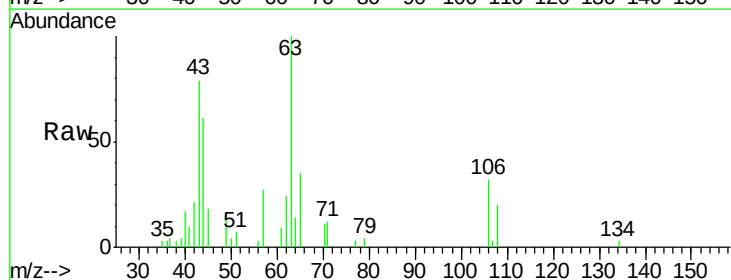
Acq: 03 Oct 2019 17:48

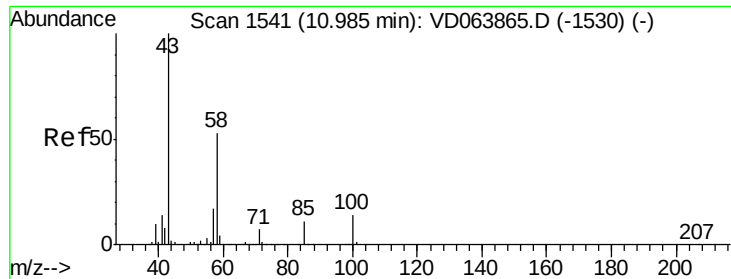
Tgt Ion: 63 Resp: 9755

Ion Ratio Lower Upper

63 100

106 31.0 24.3 36.5





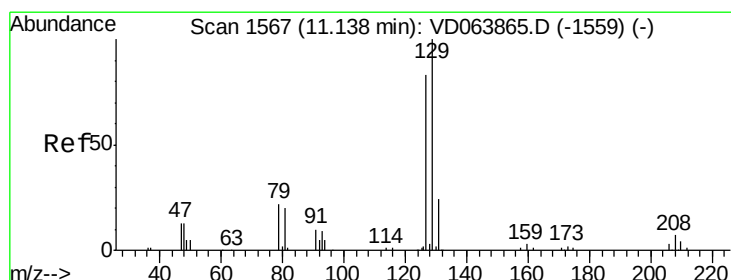
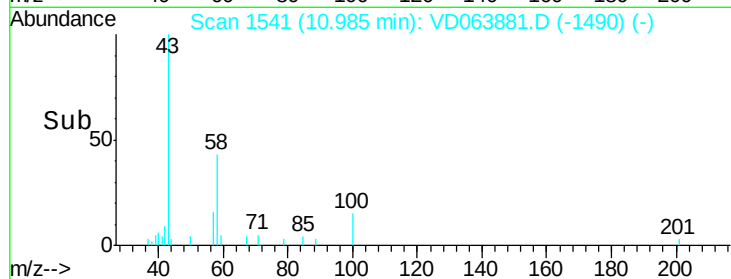
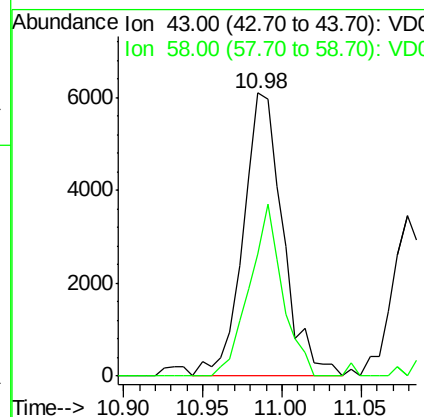
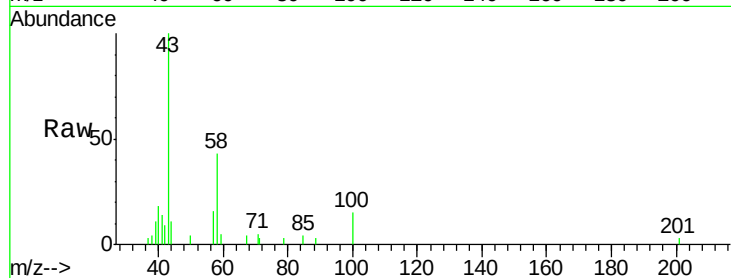
#59
2-Hexanone
Concen: 12.852 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
MDL07

Tot Ion	43	Resp	10631
Ion Ratio	43	100	
Lower	58	50.3	27.7
Upper			83.0

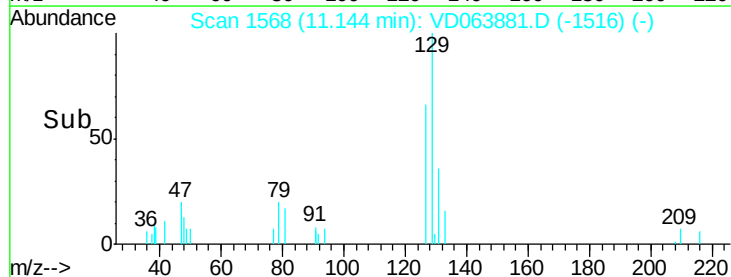
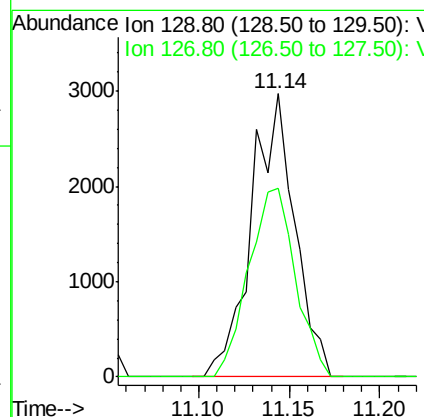
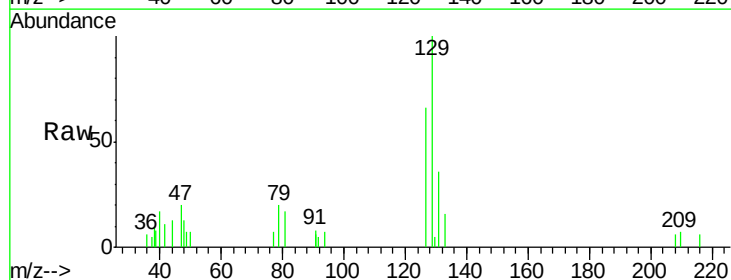
Manual Integrations
APPROVED

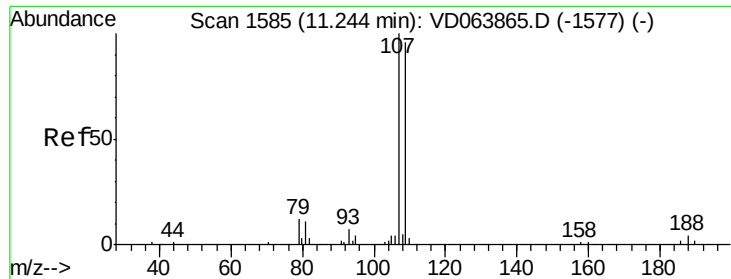
MMDadoda
10/4/2019 4:31:39 PM



#60
Dibromochloromethane
Concen: 2.561 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	129	Resp	4944
Ion Ratio	129	100	
Lower	127	71.6	39.9
Upper			119.6





#61

1,2-Dibromoethane

Concen: 2.643 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampled :

MDL07

Tot Ion: 107 Resp: 3800

Ion Ratio Lower Upper

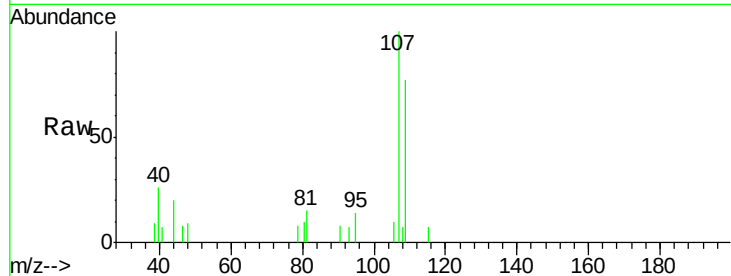
107 100

109 101.4 75.2 112.8

Manual Integrations
APPROVED

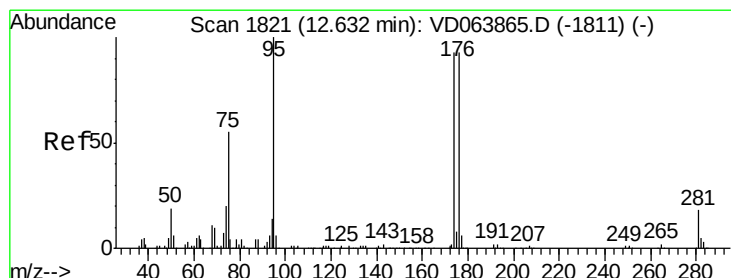
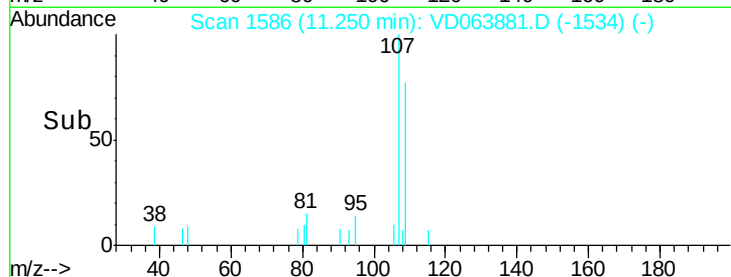
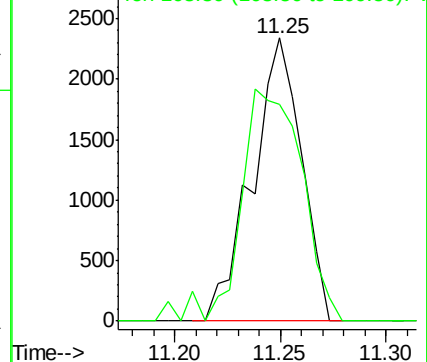
MMDadoda

10/4/2019 4:31:39 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.172 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

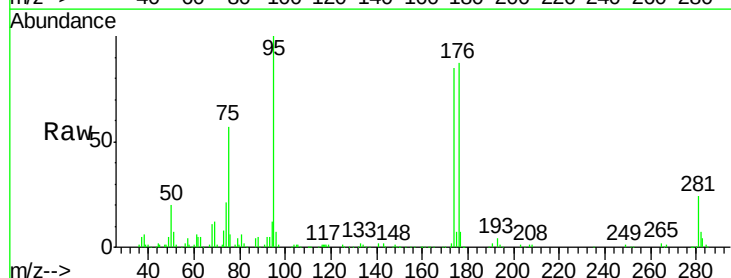
Tgt Ion: 95 Resp: 111965

Ion Ratio Lower Upper

95 100

174 92.7 0.0 186.4

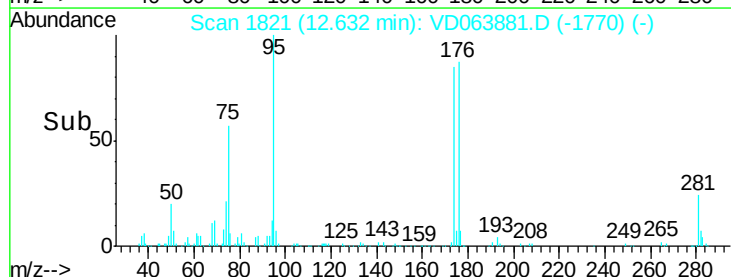
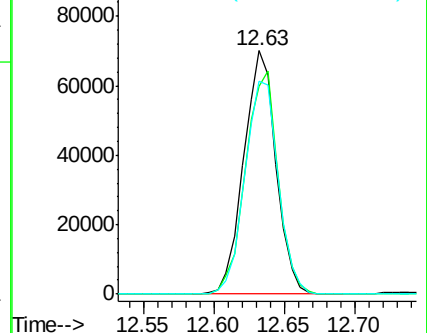
176 91.0 0.0 184.2

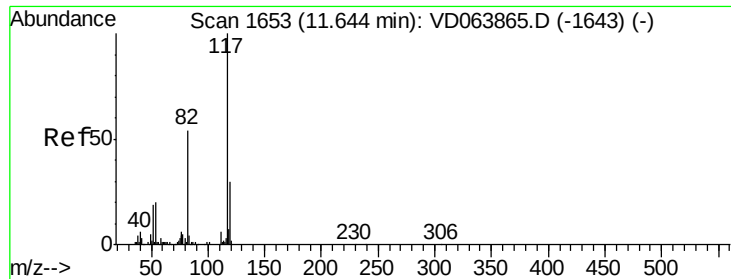


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





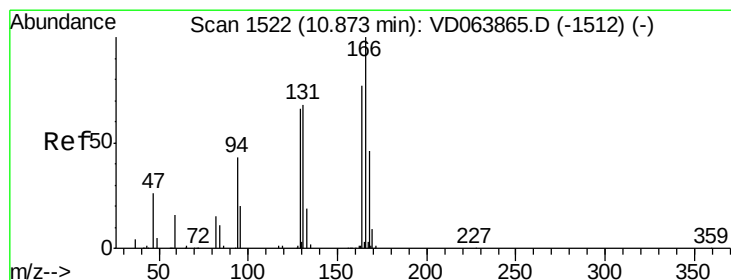
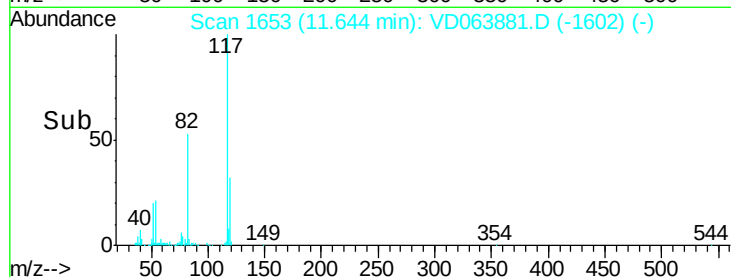
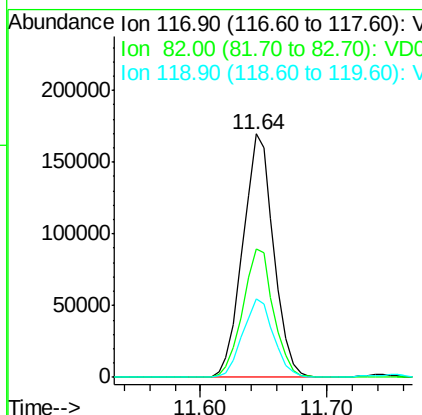
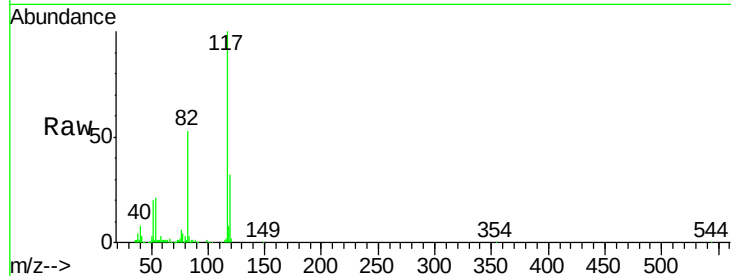
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.8	64.2
119	32.4	24.4	36.6

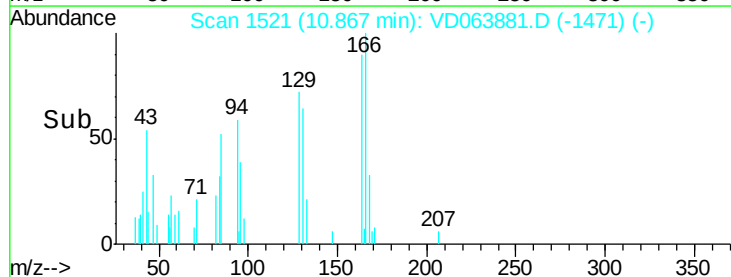
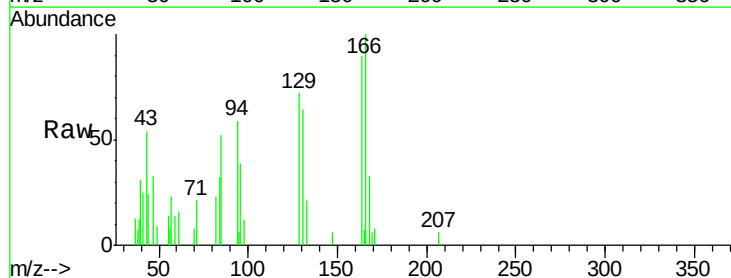
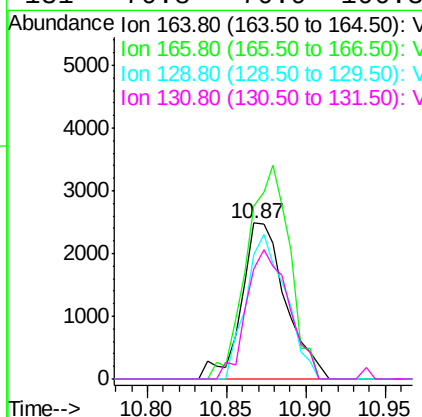
Manual Integrations
APPROVED

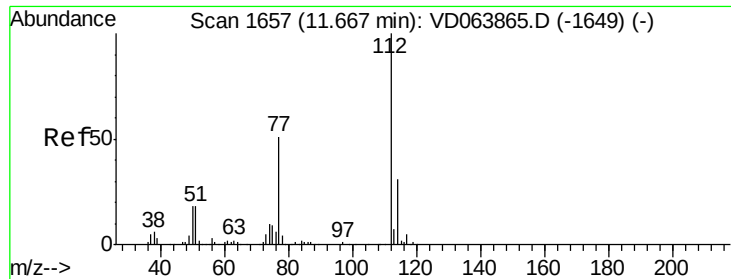
MMDadoda
10/4/2019 4:31:39 PM



#64
Tetrachloroethene
Concen: 2.465 ug/l
RT: 10.87 min Scan# 1521
Delta R.T. -0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	110.8	103.8	155.6
129	79.5	68.9	103.3
131	70.8	70.9	106.3





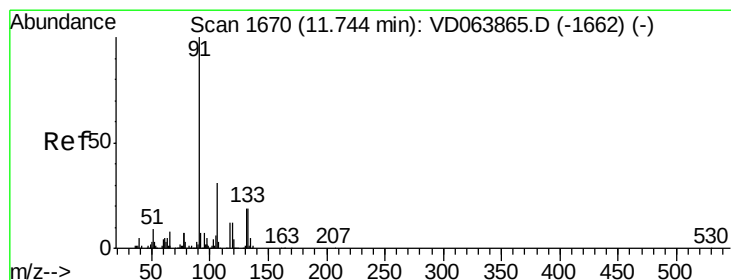
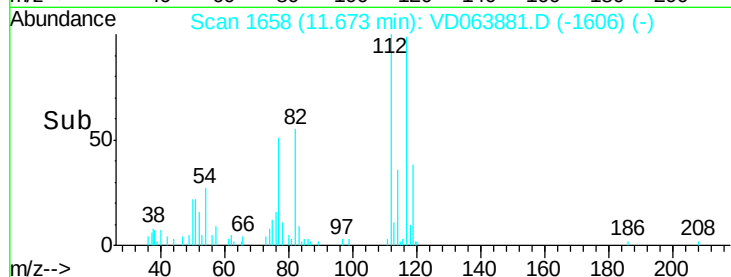
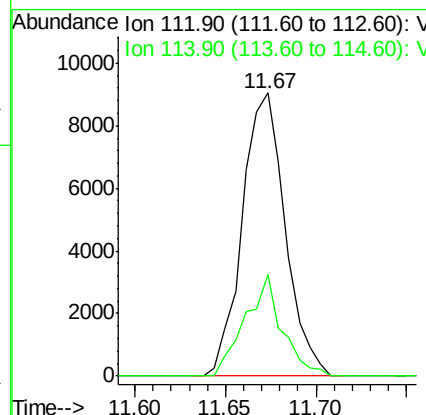
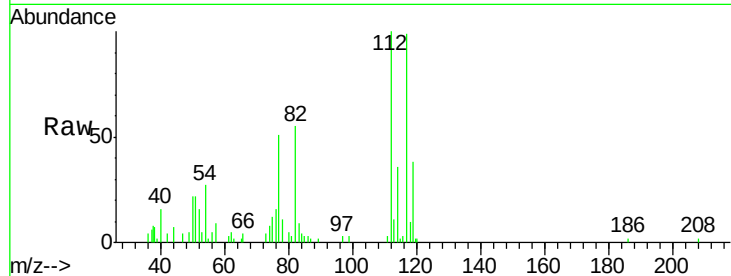
#65
Chlorobenzene
Concen: 2.590 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
112	100		
114	36.1	25.1	37.7

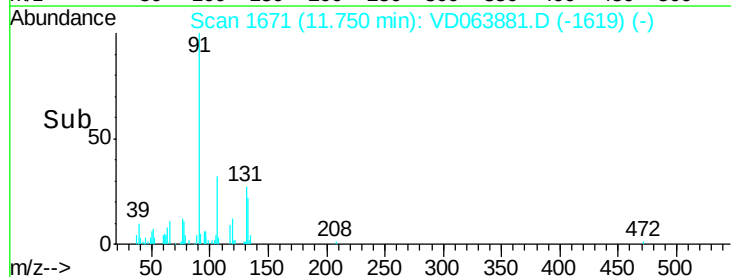
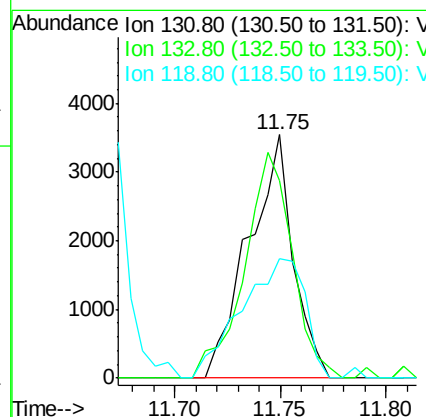
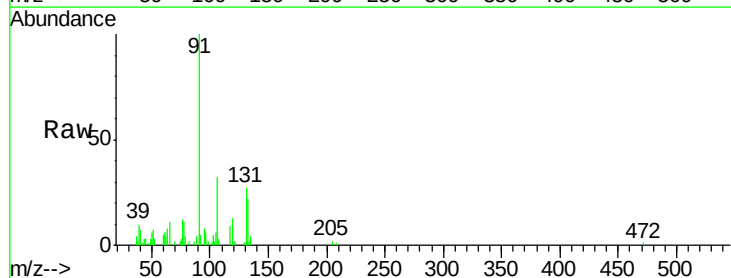
Manual Integrations
APPROVED

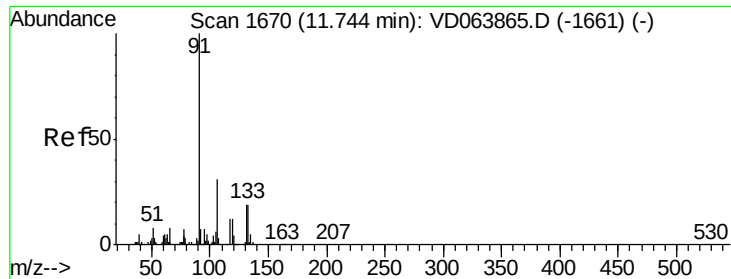
MMDadoda
10/4/2019 4:31:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 2.452 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.4	48.9	146.7
119	70.2	32.6	97.8





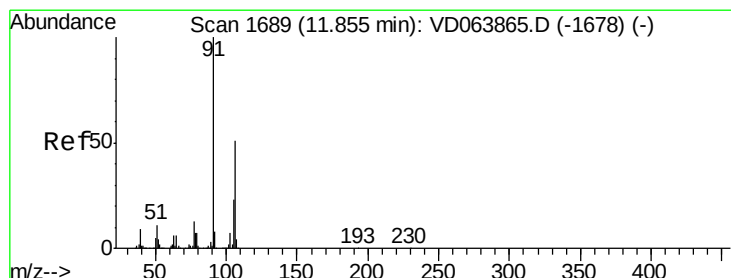
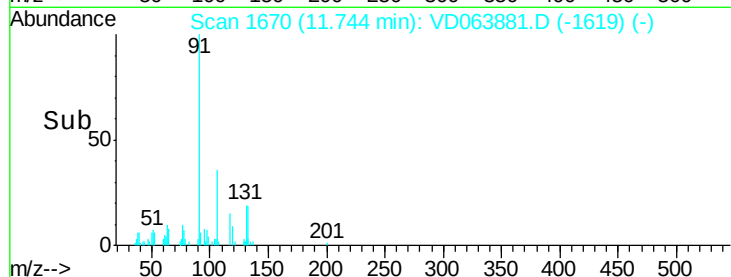
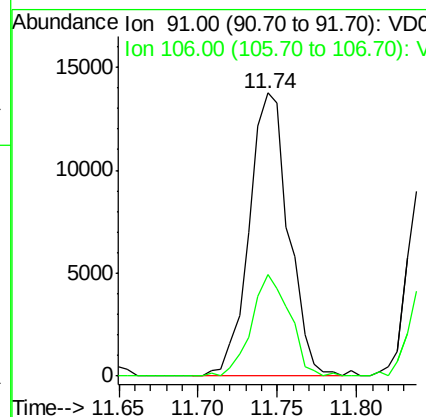
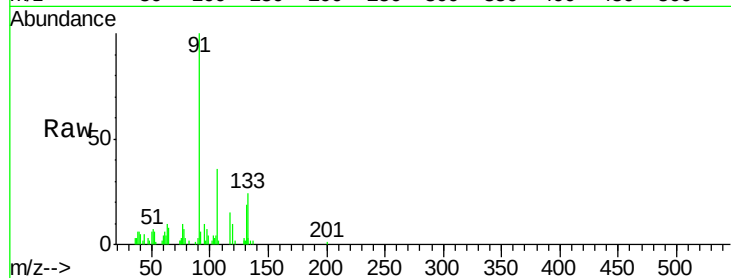
#67
Ethyl Benzene
Concen: 2.292 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
MDL07

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	35.9	24.6	37.0	

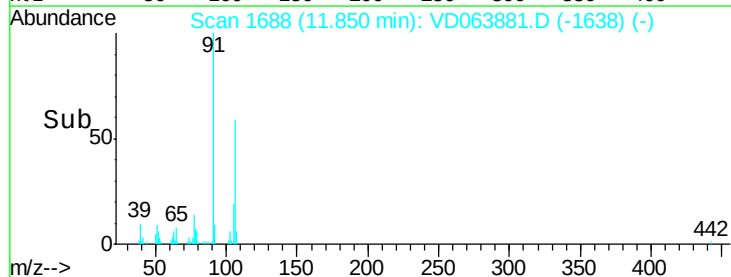
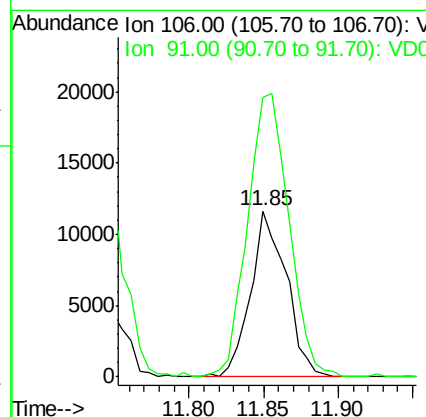
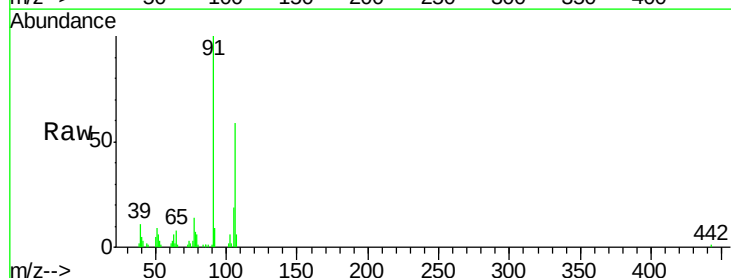
Manual Integrations
APPROVED

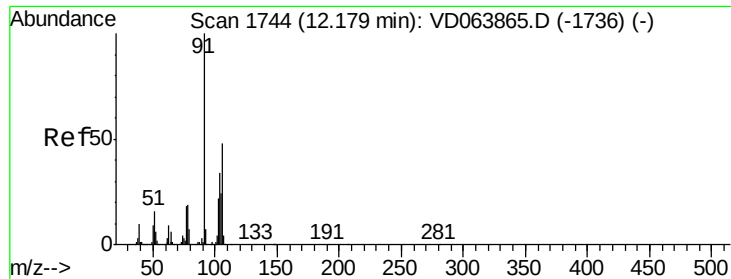
MMDadoda
10/4/2019 4:31:39 PM



#68
m/p-Xylenes
Concen: 4.800 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	198.3	154.8	232.2	





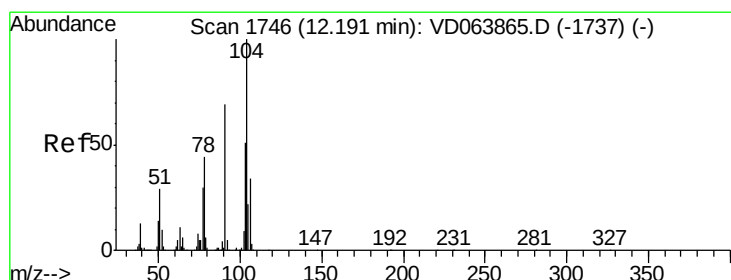
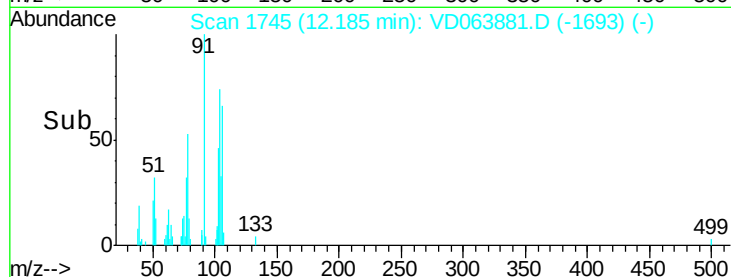
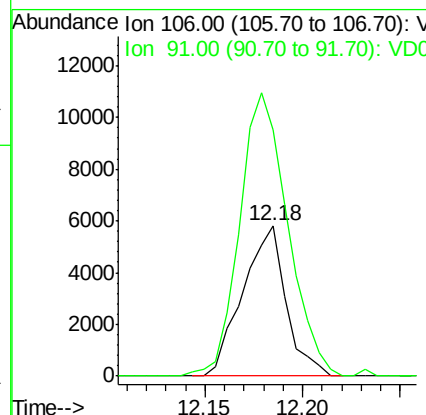
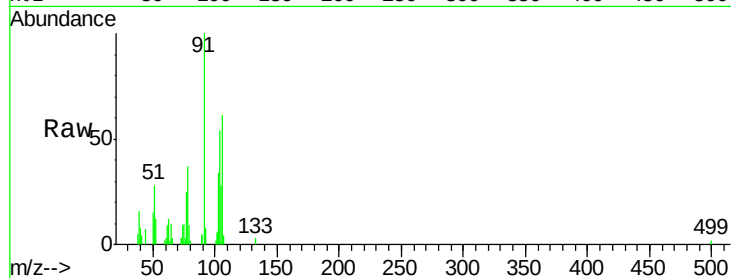
#69
o-Xylene
Concen: 2.337 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.8	103.9	311.7

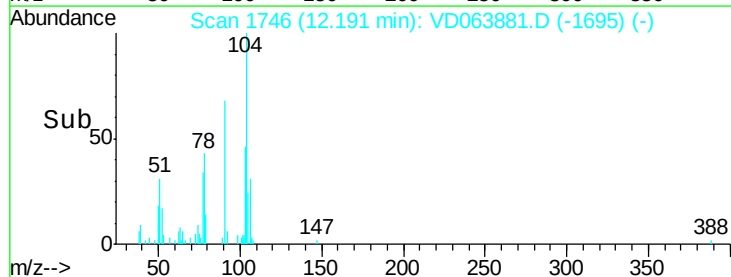
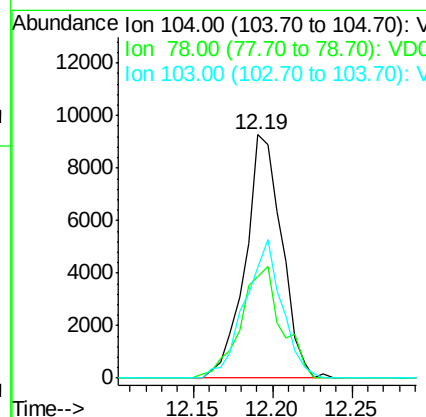
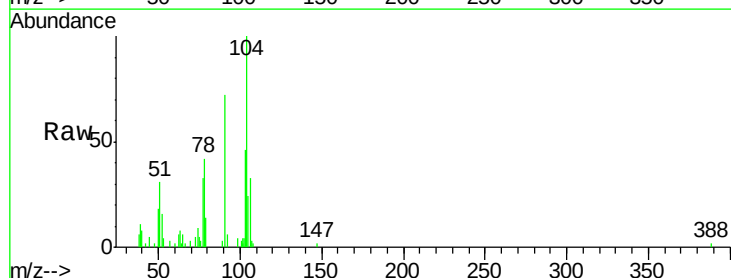
Manual Integrations
APPROVED

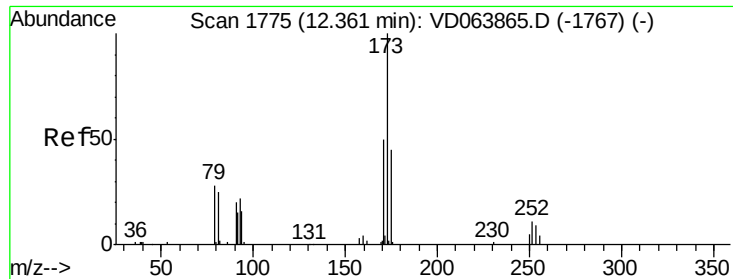
MMDadoda
10/4/2019 4:31:39 PM



#70
Styrene
Concen: 2.295 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.2	37.0	55.4
103	57.7	44.2	66.4





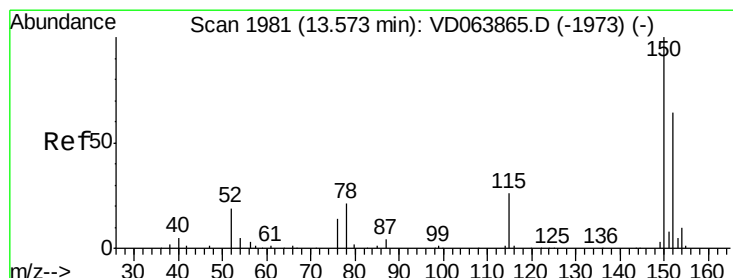
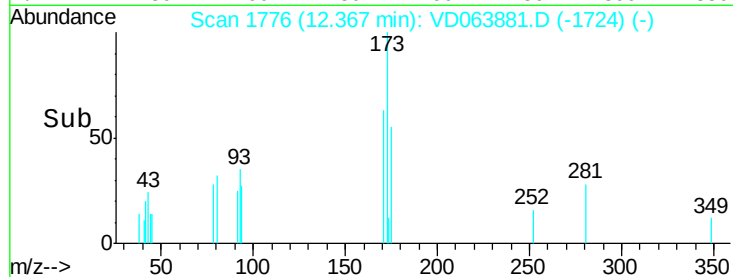
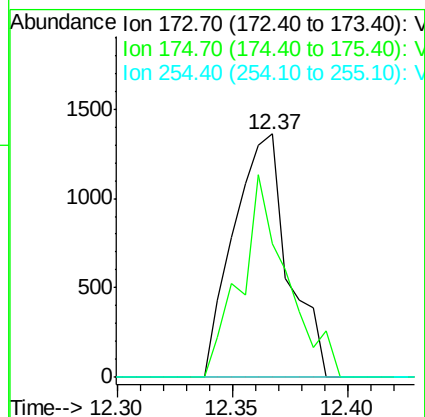
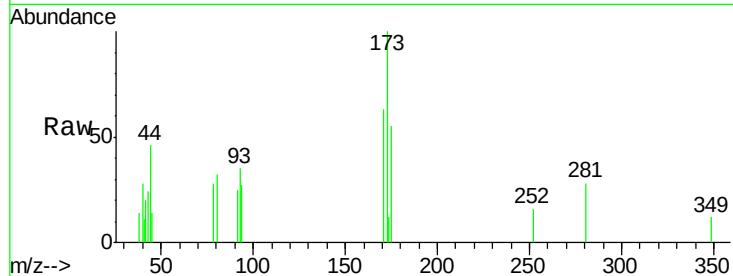
#71
Bromoform
Concen: 1.967 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
173	100		
175	71.0	24.6	74.0
254	0.0	0.0	0.0

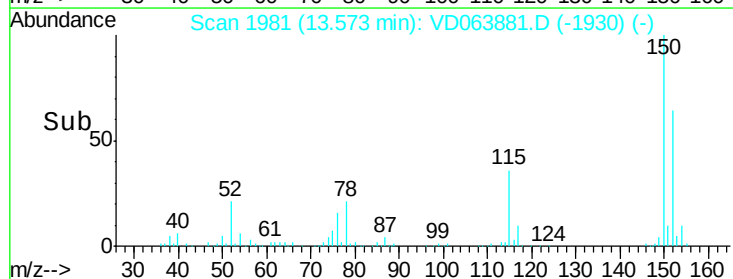
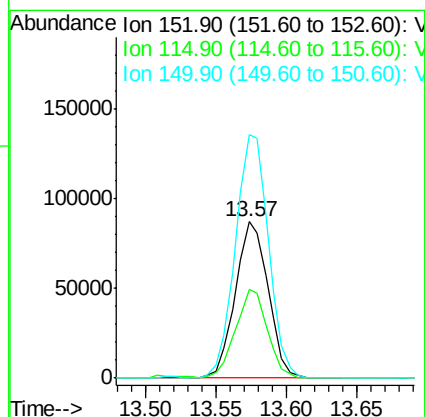
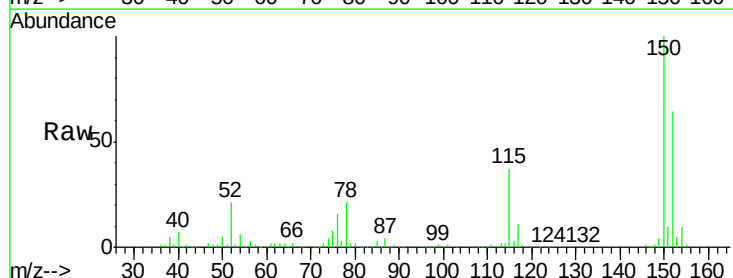
Manual Integrations
APPROVED

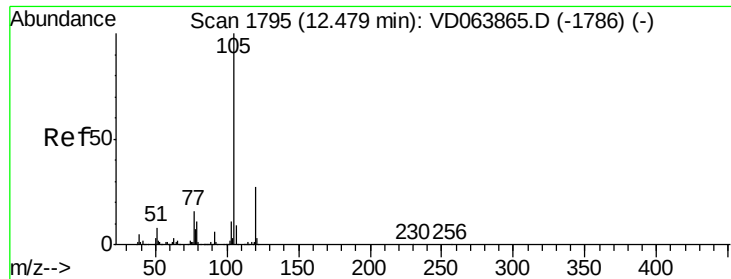
MMDadoda
10/4/2019 4:31:39 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	25.9	77.7
150	157.6	0.0	344.2





#73

Isopropylbenzene

Concen: 2.404 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

Tot Ion: 105 Resp: 22813

Ion Ratio Lower Upper

105 100

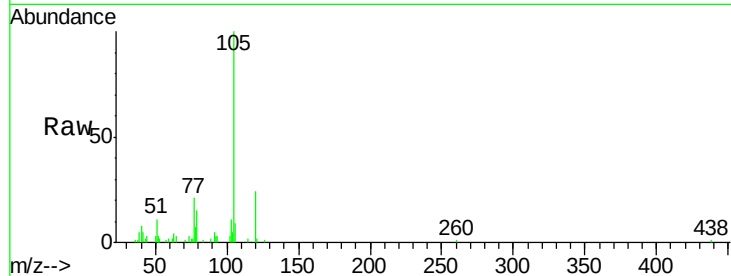
120 30.8 13.3 39.8

Manual Integrations

APPROVED

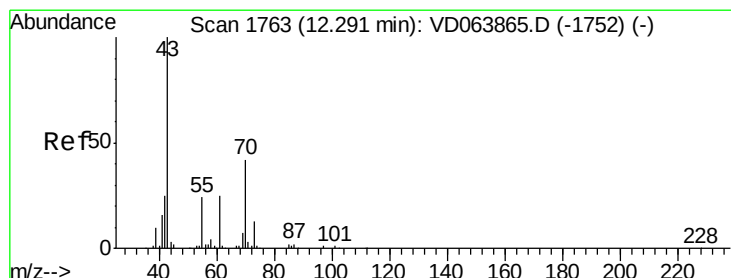
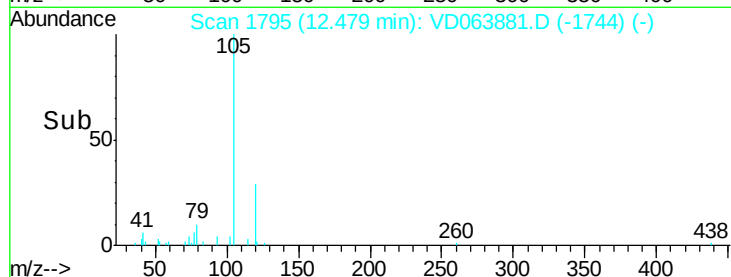
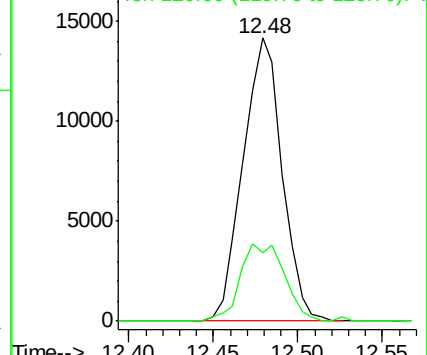
MMDadoda

10/4/2019 4:31:39 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.331 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Tgt Ion: 43 Resp: 4763

Ion Ratio Lower Upper

43 100

70 56.3 35.8 53.6#

55 30.5 19.4 29.0#

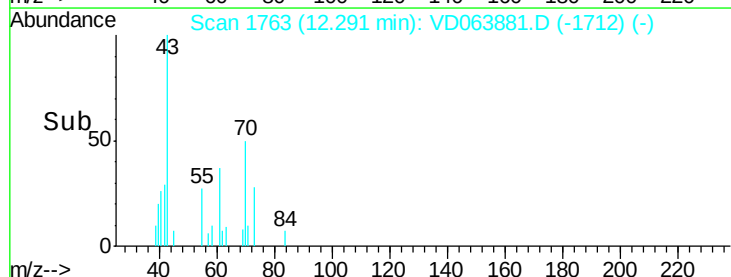
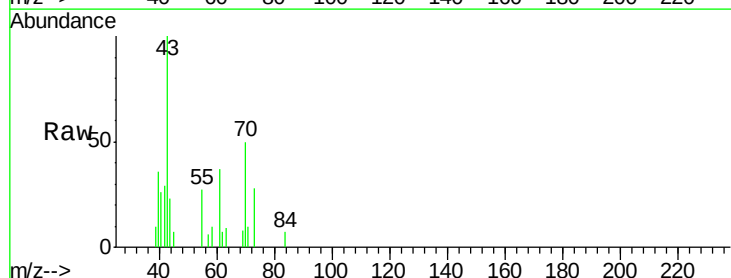
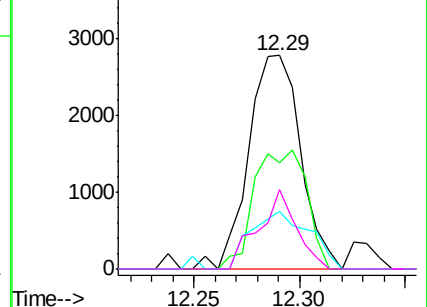
61 27.0 20.4 30.6

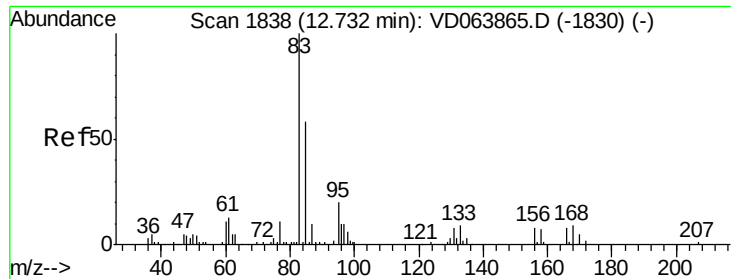
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 2.374 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

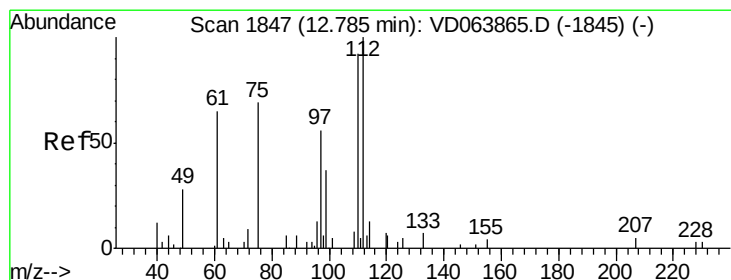
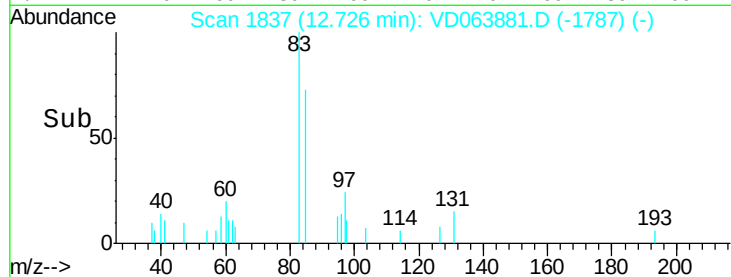
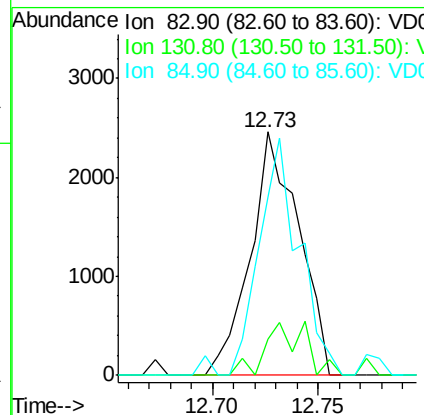
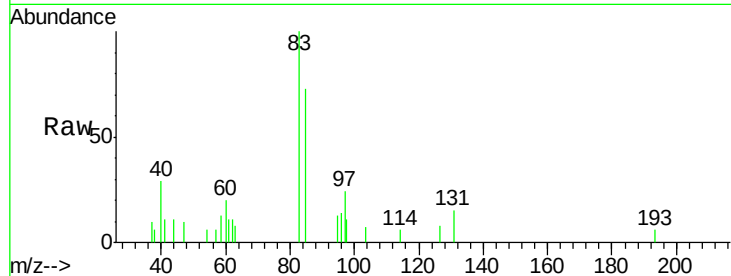
ClientSampleId :

MDL07

Tot Ion	Ratio	Lower	Upper
83	100		
131	18.0	5.6	16.8#
85	80.4	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:39 PM



#76

1,2,3-Trichloropropane

Concen: 2.767 ug/l m

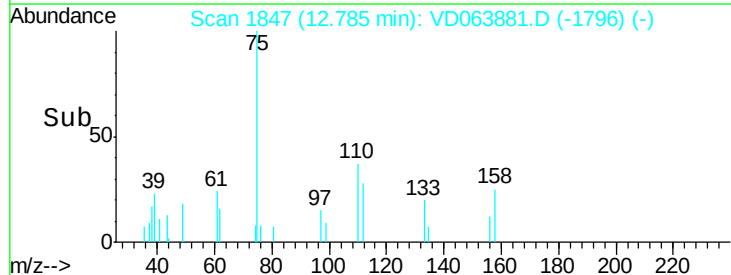
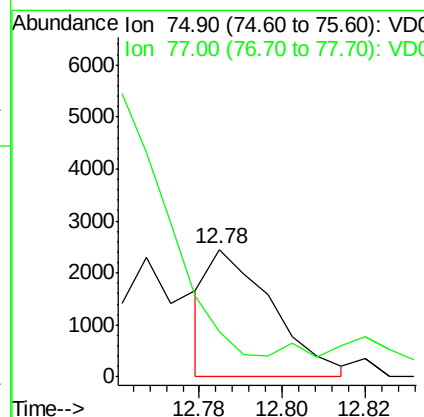
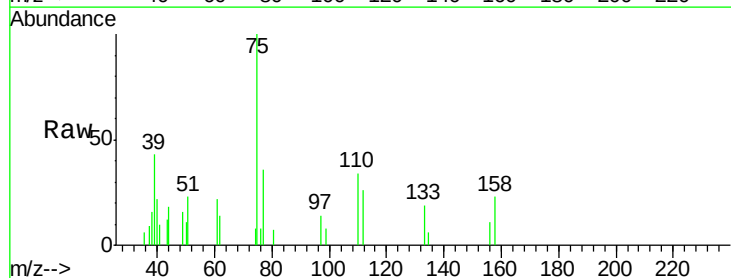
RT: 12.78 min Scan# 1847

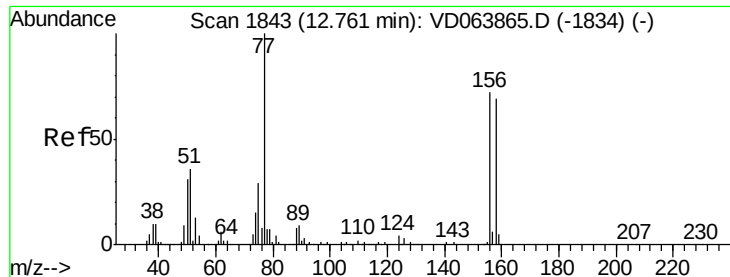
Delta R.T. -0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.419 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

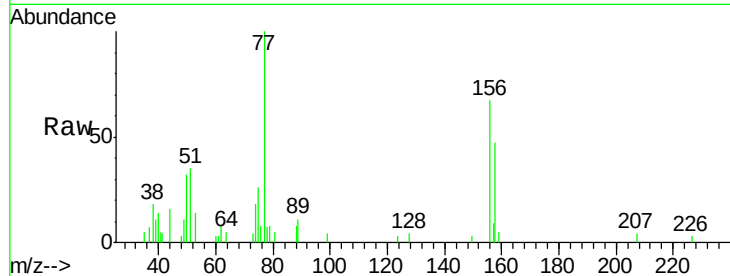
ClientSampled :

MDL07

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.9	80.3	241.0
158	96.3	47.4	142.2

Manual Integrations
APPROVED

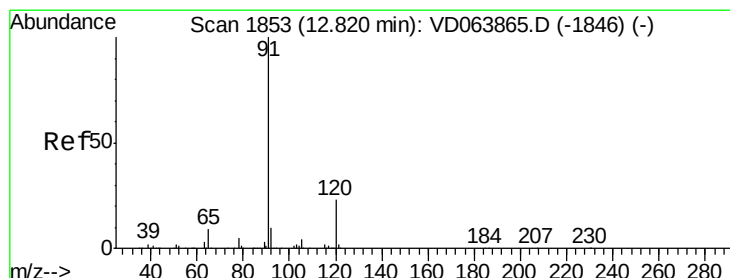
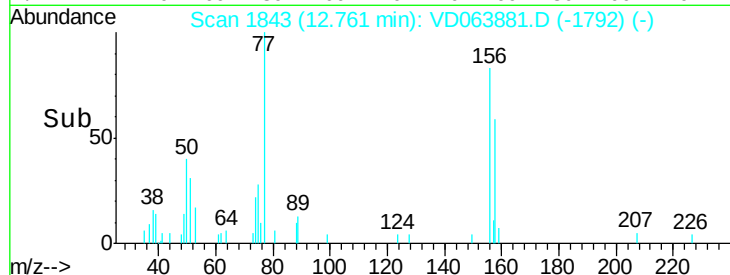
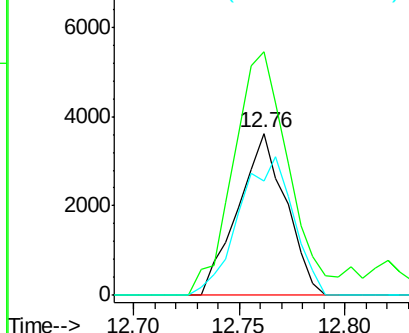
MMDadoda
10/4/2019 4:31:39 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.443 ug/l

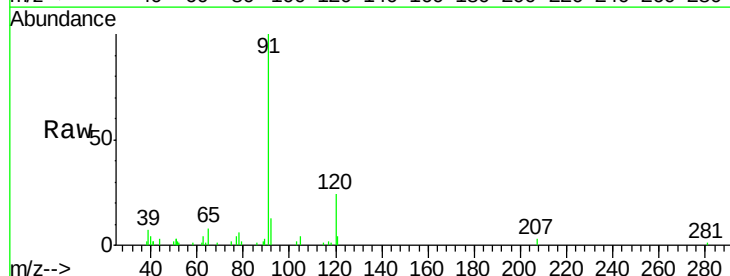
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD063881.D

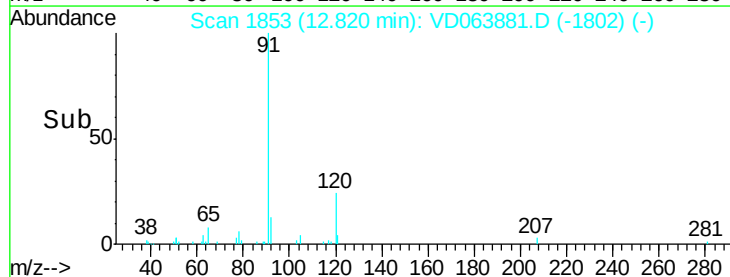
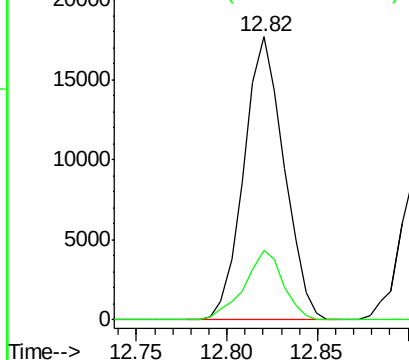
Acq: 03 Oct 2019 17:48

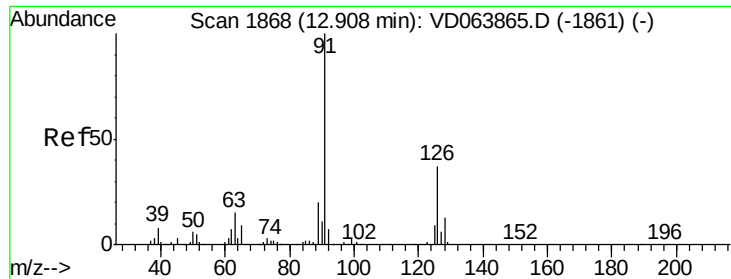
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





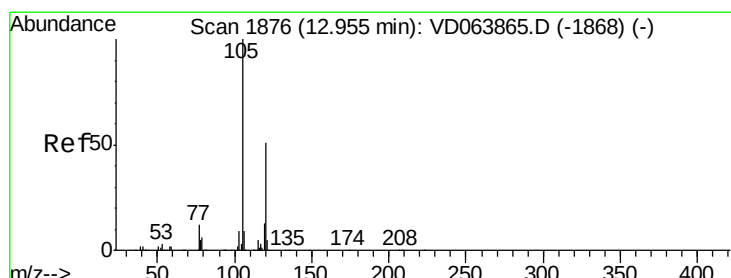
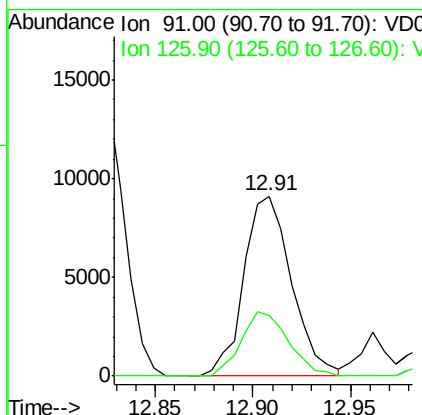
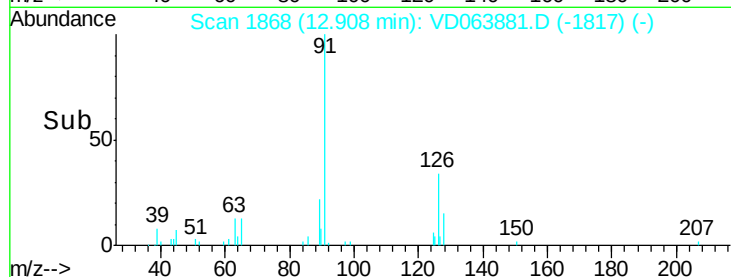
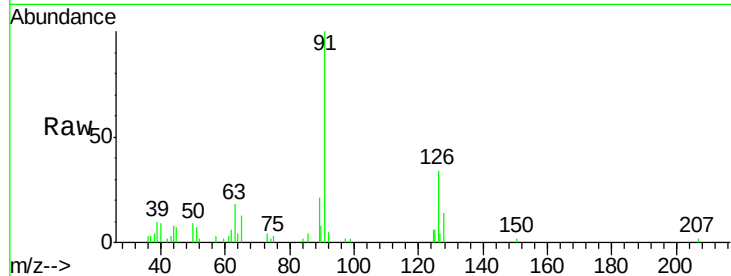
#79
 2-Chlorotoluene
 Concen: 2.518 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

Tot Ion: 91 Resp: 15467
 Ion Ratio Lower Upper
 91 100
 126 35.5 18.4 55.2

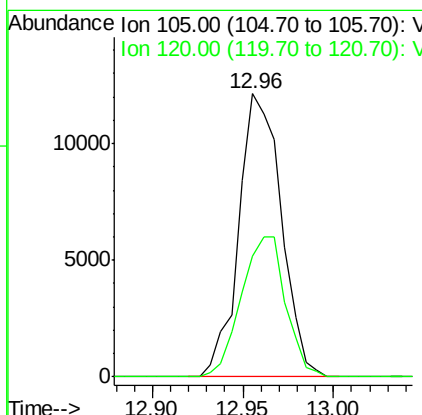
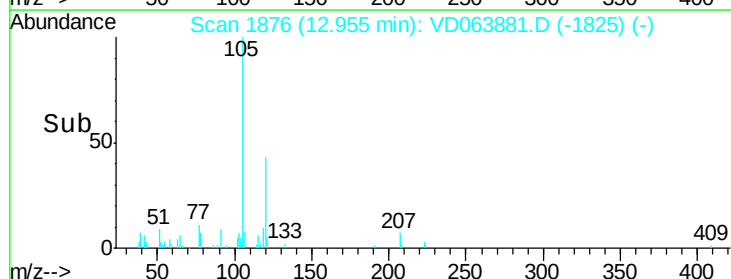
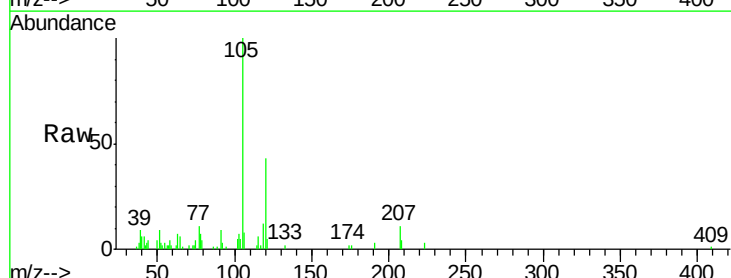
Manual Integrations
 APPROVED

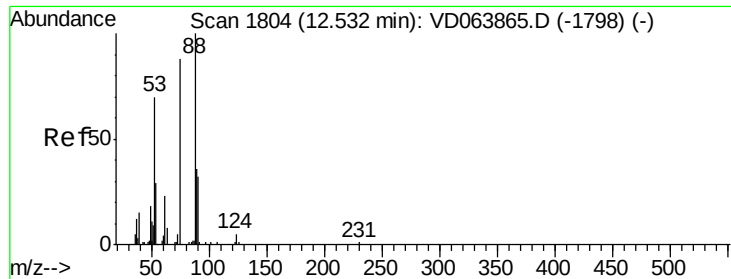
MMDadoda
 10/4/2019 4:31:39 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 2.502 ug/l
 RT: 12.96 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion: 105 Resp: 19812
 Ion Ratio Lower Upper
 105 100
 120 51.7 25.9 77.8





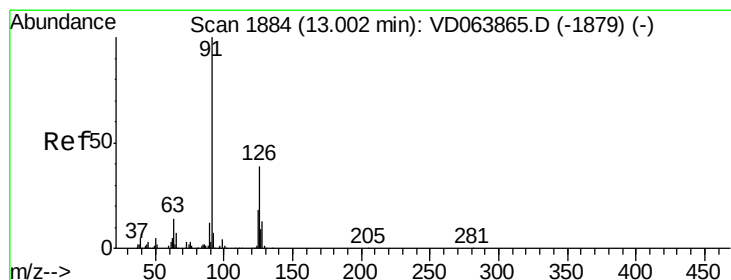
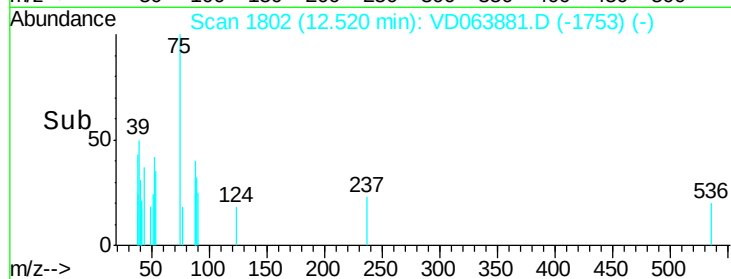
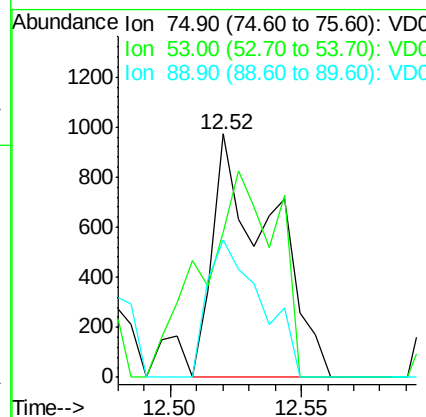
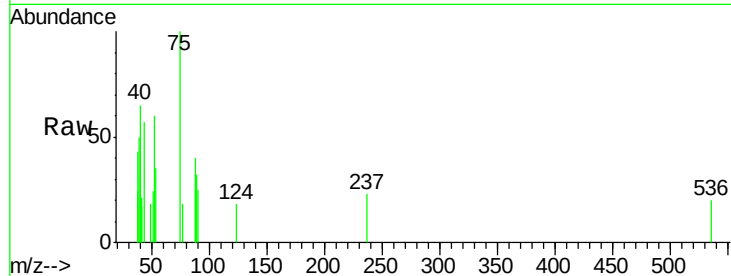
#81
trans-1,4-Dichloro-2-butene
Concen: 2.809 ug/l m
RT: 12.52 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.0	112.6#
89	16.3	38.2	57.4#

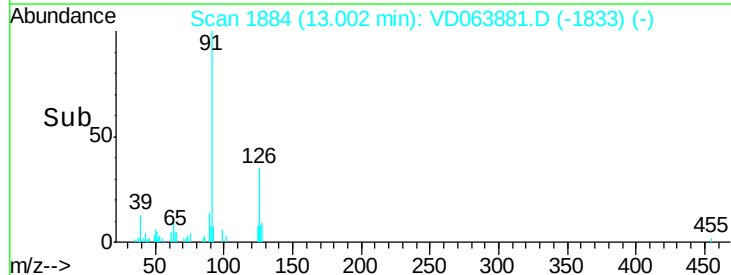
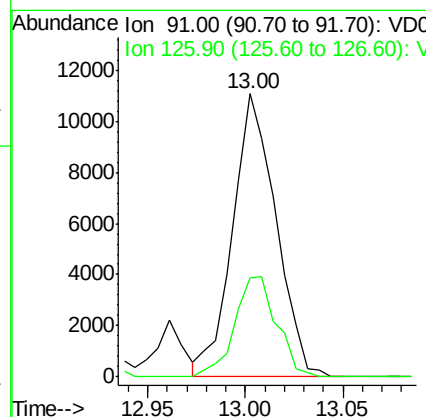
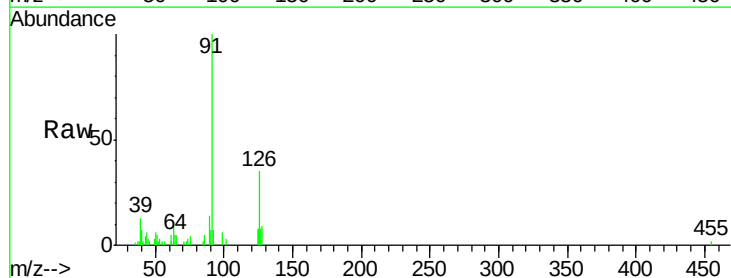
Manual Integrations
APPROVED

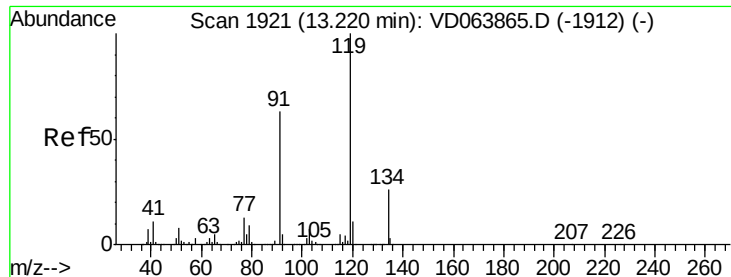
MMDadoda
10/4/2019 4:31:39 PM



#82
4-Chlorotoluene
Concen: 2.614 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	18.6	55.8





#83

tert-Butylbenzene

Concen: 2.436 ug/l

RT: 13.22 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

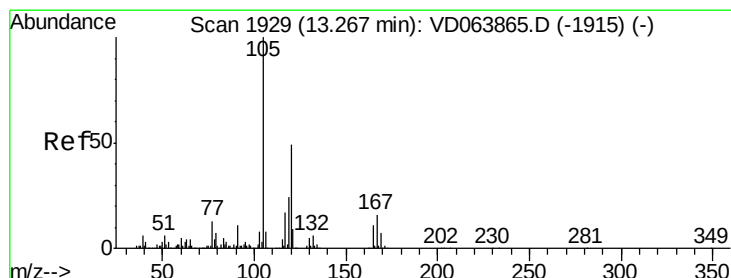
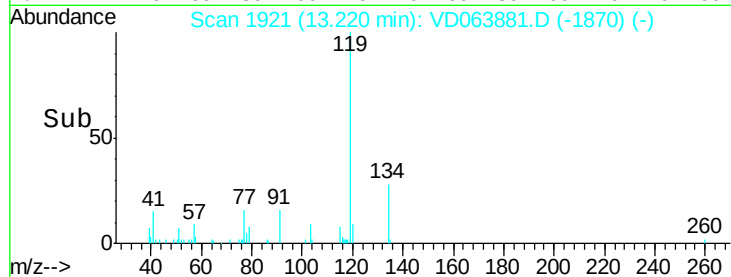
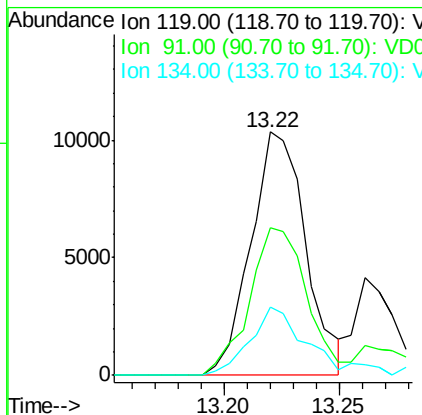
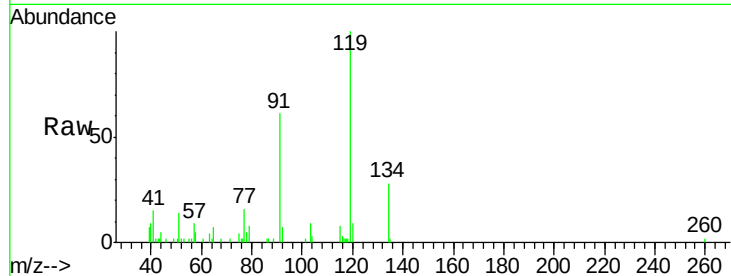
ClientSampled :

MDL07

Tot Ion:	119	Resp:	17162
Ion Ratio	Lower	Upper	
119	100		
91	62.4	30.0	90.0
134	29.9	13.0	38.9

Manual Integrations
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10/4/2019 4:31:39 PM



#84

1,2,4-Trimethylbenzene

Concen: 2.297 ug/l

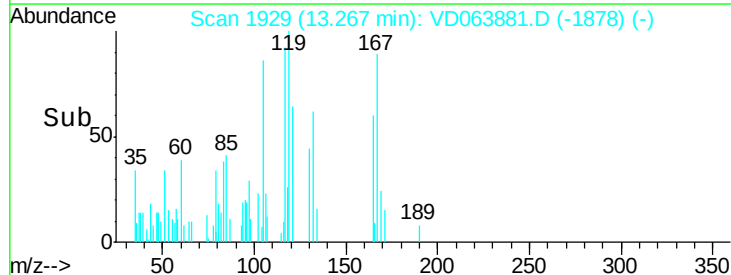
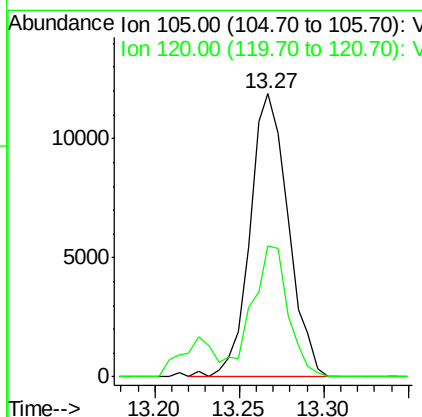
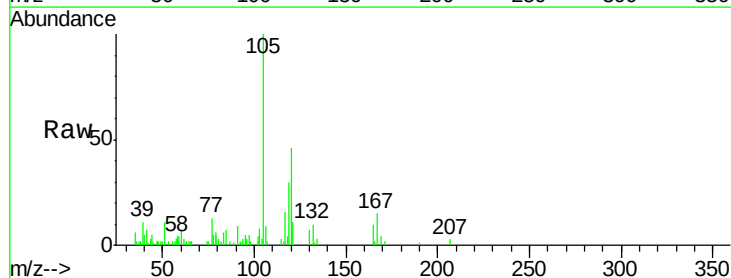
RT: 13.27 min Scan# 1929

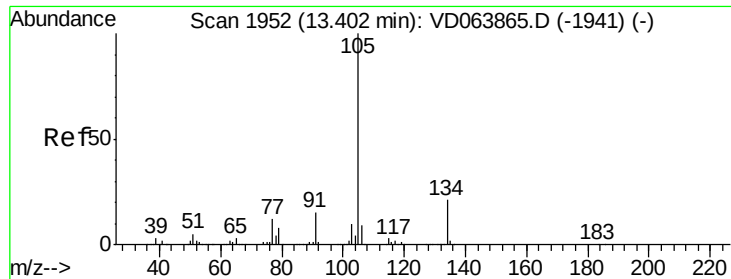
Delta R.T. -0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Tgt Ion:	105	Resp:	18750
Ion Ratio	Lower	Upper	
105	100		
120	44.3	23.8	71.5





#85

sec-Butylbenzene

Concen: 2.254 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

Tot Ion:105 Resp: 21450

Ion Ratio Lower Upper

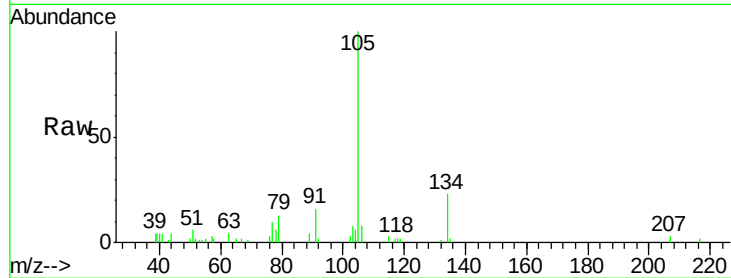
105 100

134 23.3 10.6 31.8

Manual Integrations
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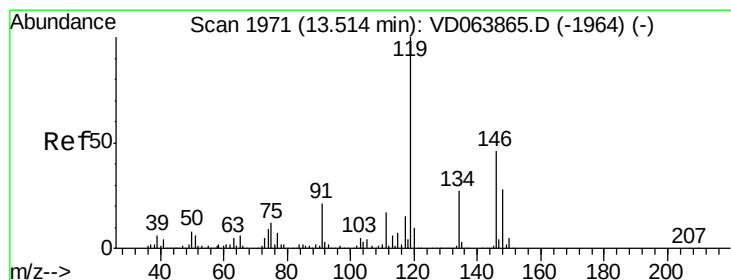
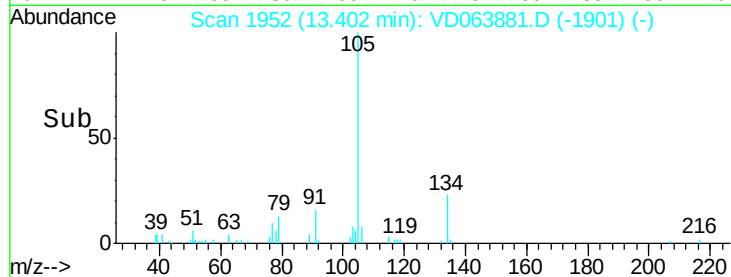
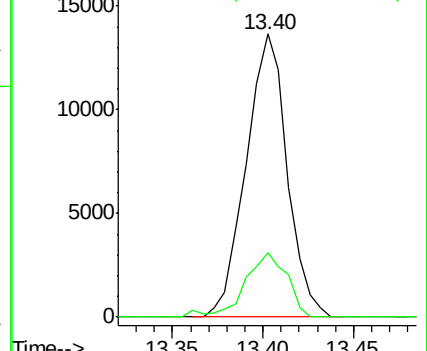
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.321 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

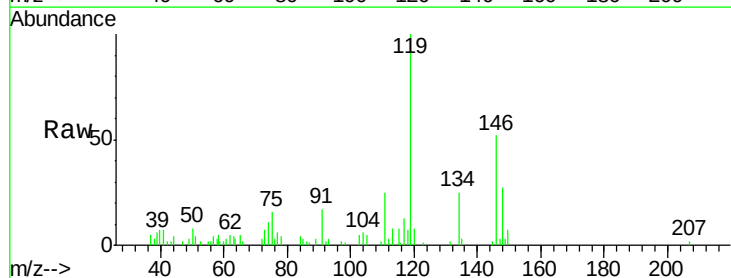
Tgt Ion:119 Resp: 20902

Ion Ratio Lower Upper

119 100

134 27.0 13.9 41.6

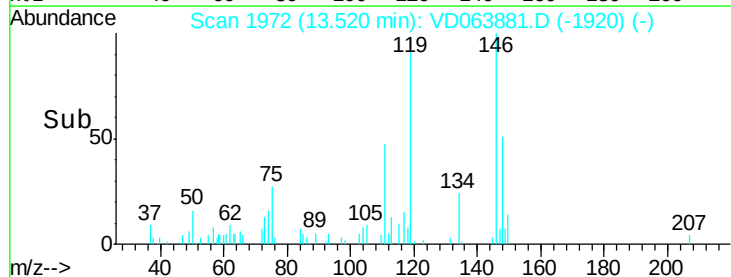
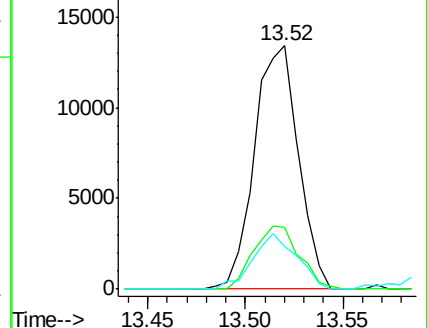
91 22.8 11.2 33.5

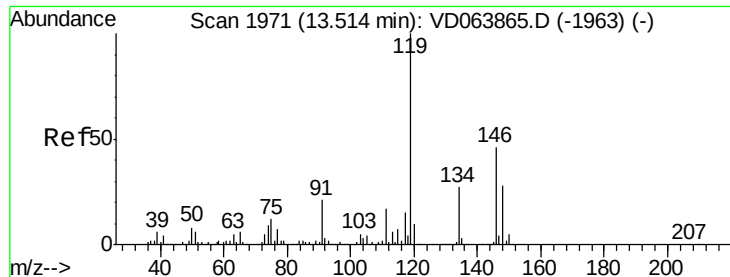


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





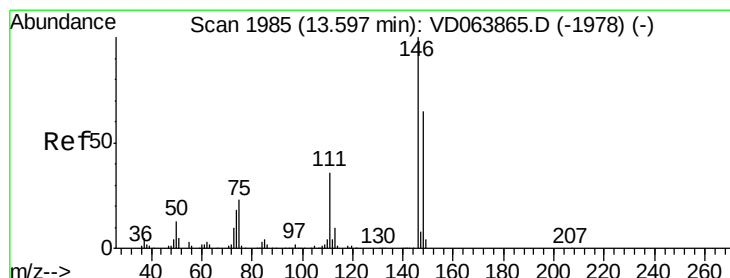
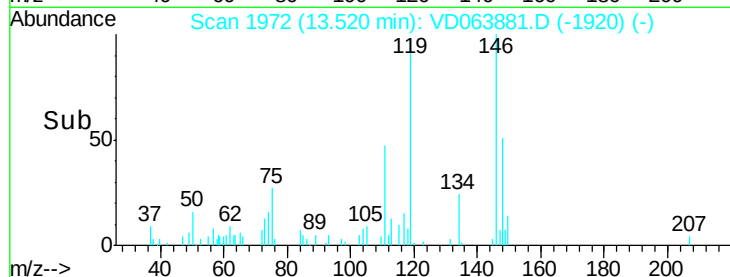
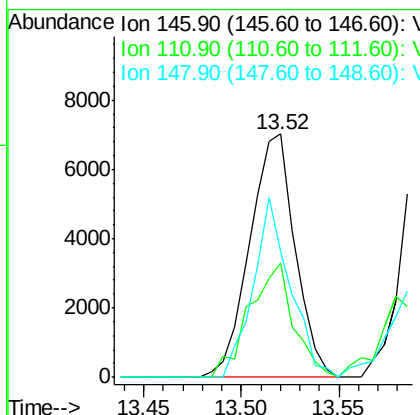
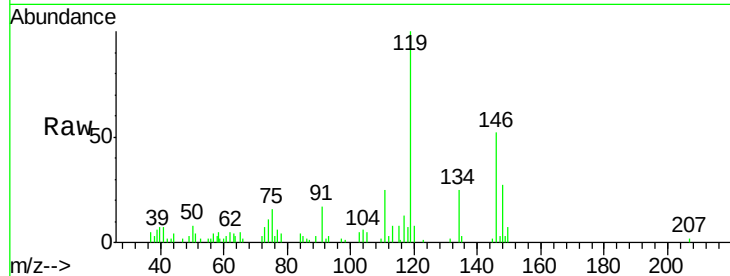
#87
 1,3-Dichlorobenzene
 Concen: 2.418 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	18.3	54.9
148	60.1	31.8	95.4

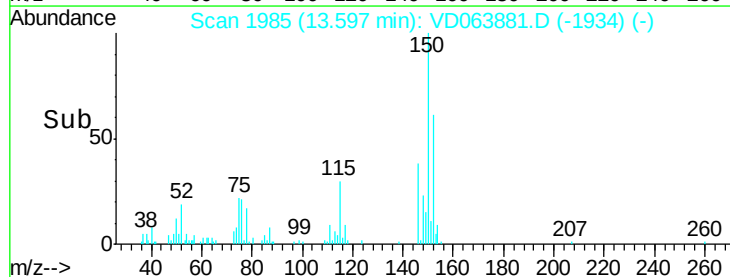
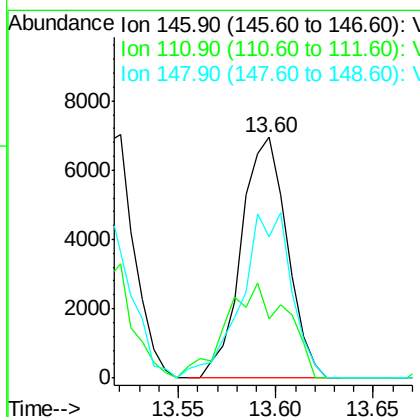
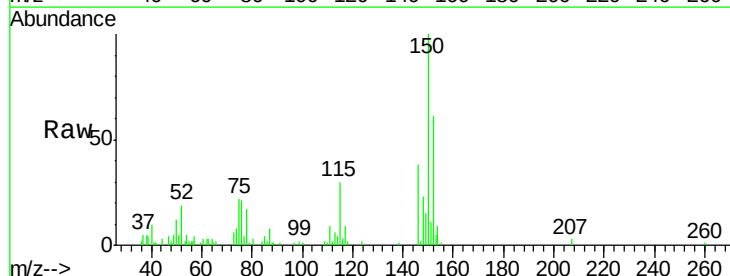
Manual Integrations
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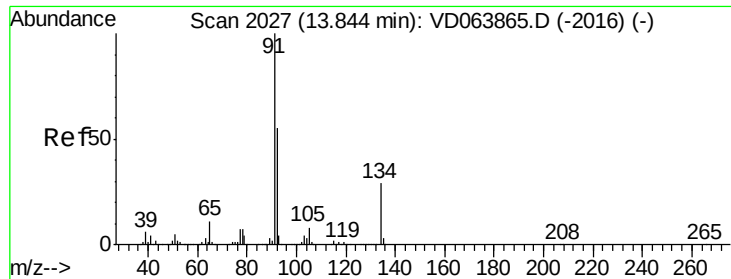
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 10/4/2019 4:31:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 2.460 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.7	18.6	56.0
148	75.0	32.6	98.0





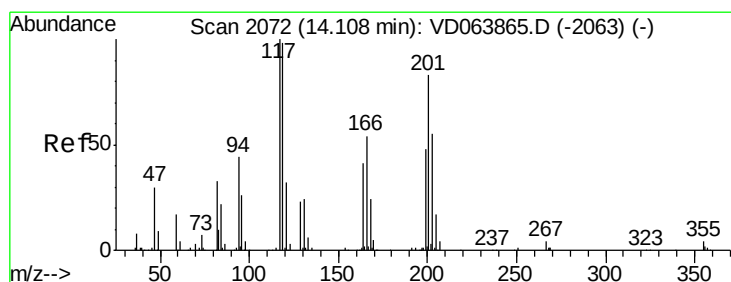
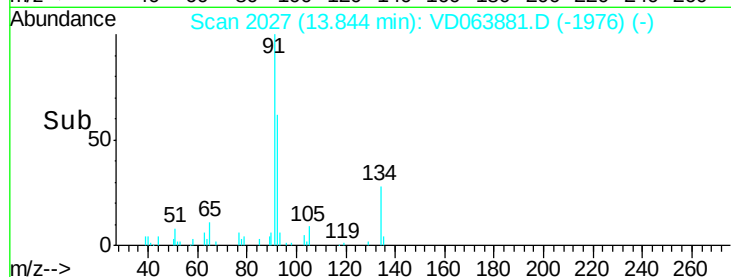
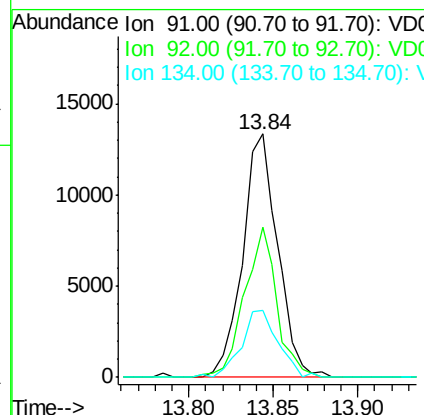
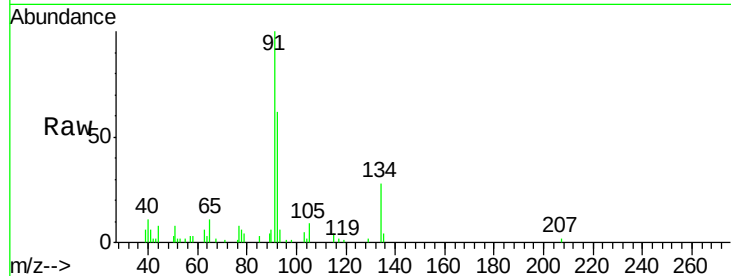
#89
n-Butylbenzene
Concen: 2.296 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.0	26.8	80.3
134	29.0	14.4	43.0

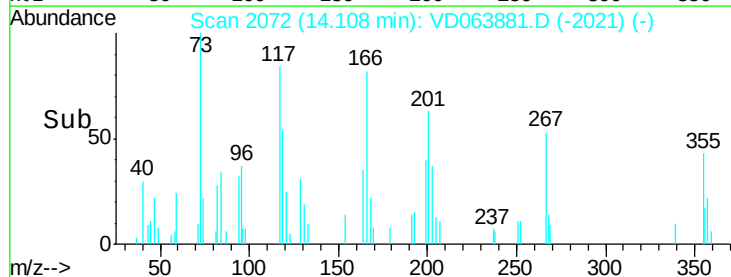
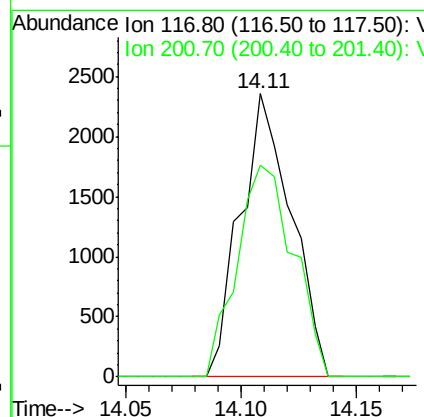
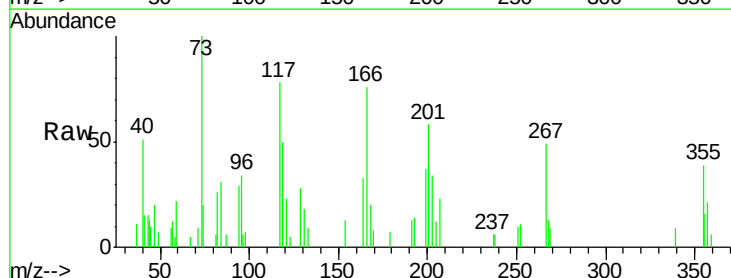
Manual Integrations
APPROVED

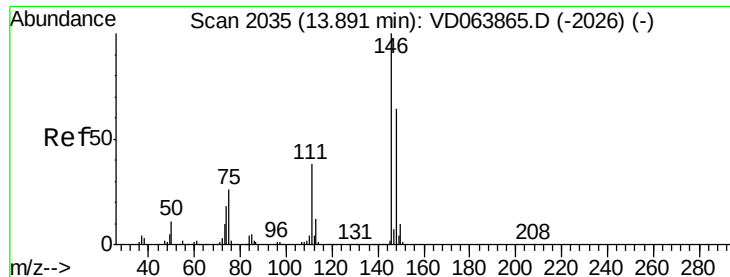
MMDadoda
10/4/2019 4:31:39 PM



#90
Hexachloroethane
Concen: 2.234 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.1	40.6	121.7





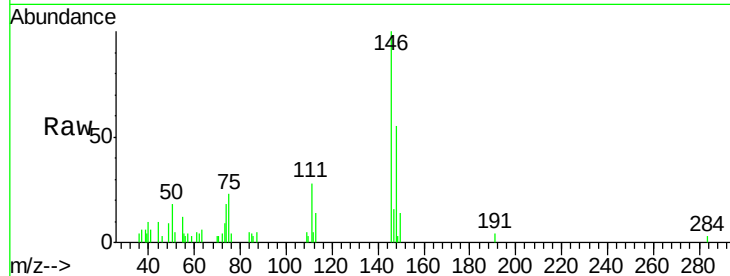
#91
 1,2-Dichlorobenzene
 Concen: 2.461 ug/l
 RT: 13.88 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

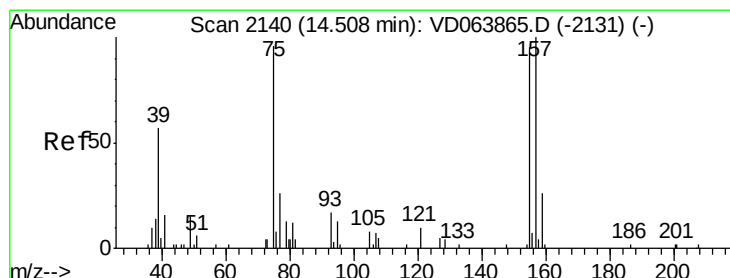
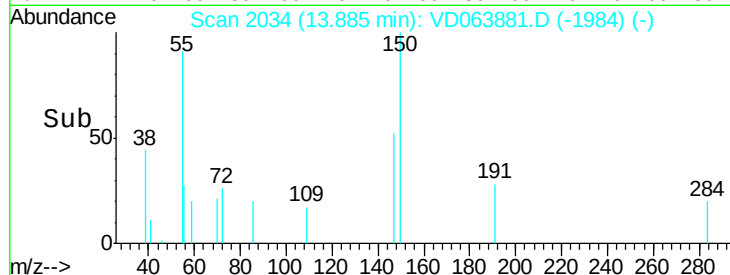
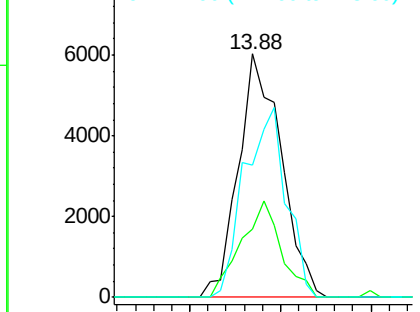
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.6
148	76.5	31.6	95.0

Manual Integrations
 APPROVED

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 10/4/2019 4:31:39 PM

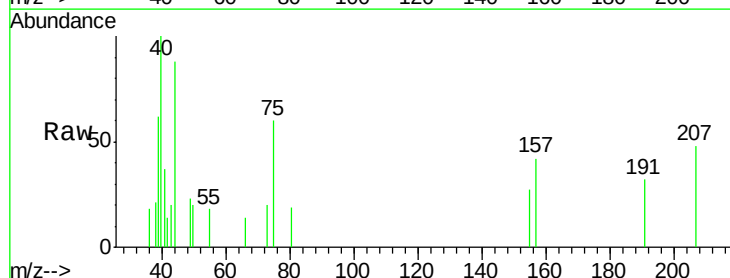


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

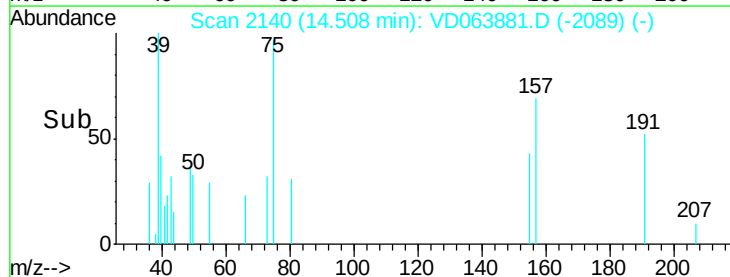
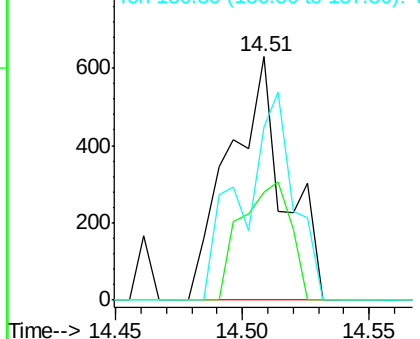


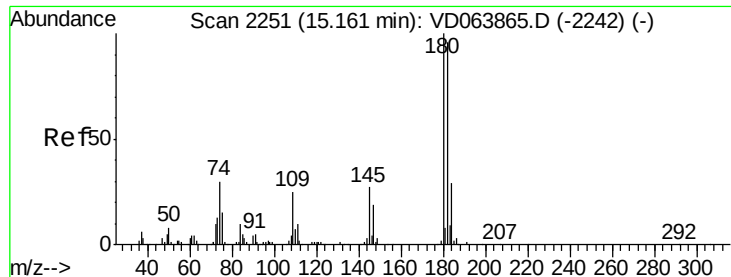
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.339 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	44.2	43.9	131.6
157	80.4	56.0	167.9



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





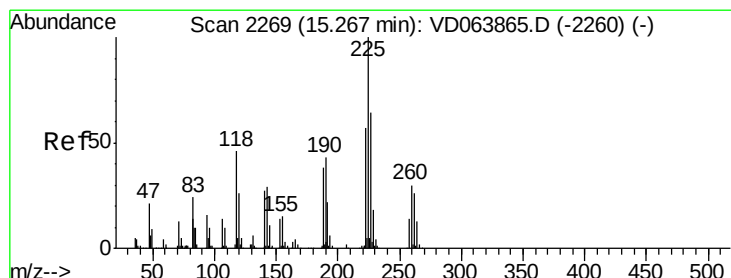
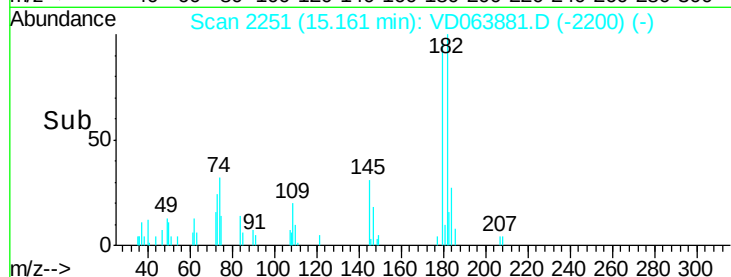
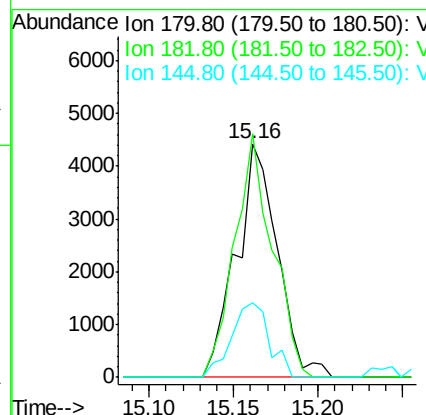
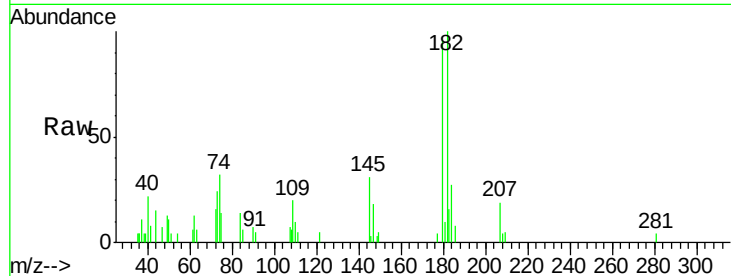
#93
 1,2,4-Trichlorobenzene
 Concen: 2.411 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.4	142.3
145	29.4	13.9	41.7

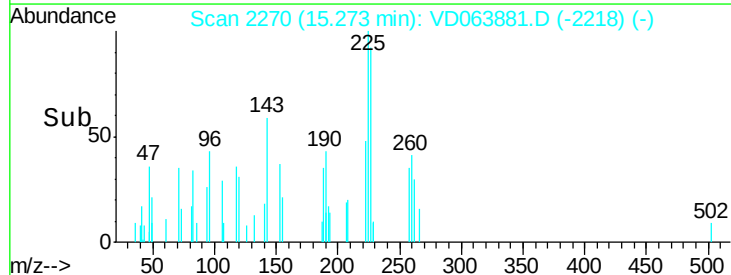
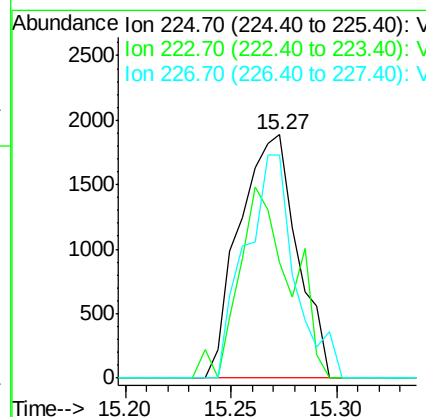
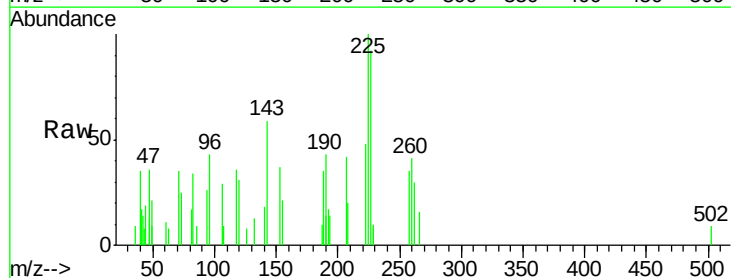
Manual Integrations
 APPROVED

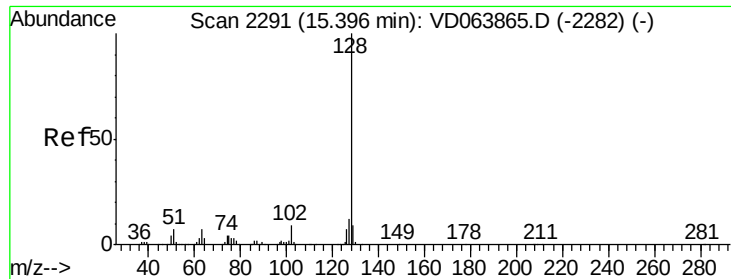
MMDadoda
 10/4/2019 4:31:39 PM



#94
 Hexachlorobutadiene
 Concen: 2.096 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	69.9	29.5	88.6
227	78.8	30.8	92.4





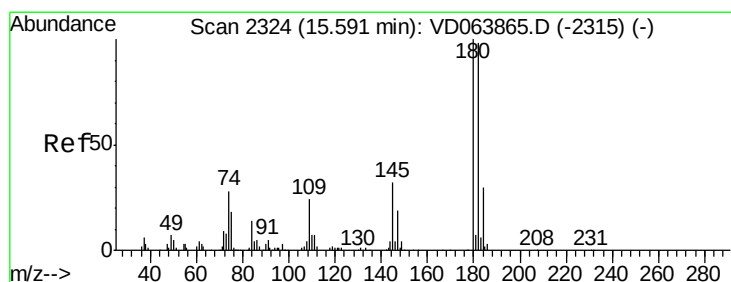
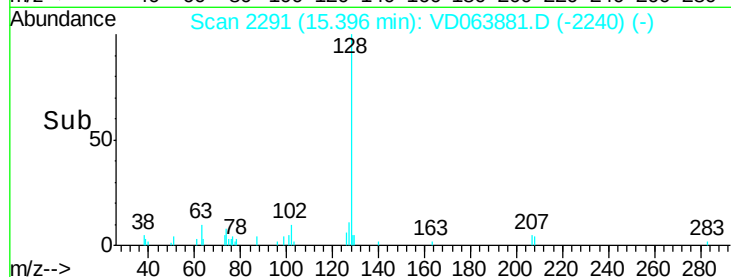
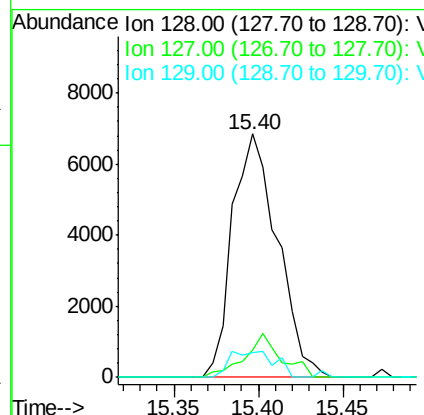
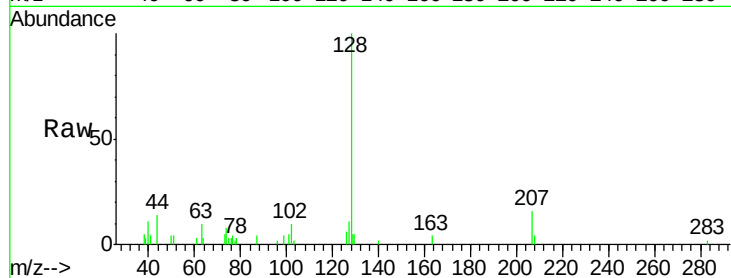
#95
Naphthalene
Concen: 2.431 ug/l
RT: 15.40 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
MDL07

Tot Ion	Ratio	Resp	Lower	Upper
128	100	12692		
127	14.3		10.6	16.0
129	10.6		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.452 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	6571		
182	91.1		47.0	141.0
145	31.4		15.3	45.9

