

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100319\
 Data File : VD063880.D
 Acq On : 03 Oct 2019 17:21
 Operator : VA/SY
 Sample : MDL06
 Misc : 5.00µ/5.00mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 4:31:35 PM

Quant Time: Oct 04 02:04:37 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	182347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	309879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	297370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	145230	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	89155	50.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.44%	
35) Dibromofluoromethane	7.92	113	86420	45.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.26%	
50) Toluene-d8	10.34	98	358894	46.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.38%	
62) 4-Bromofluorobenzene	12.63	95	115389	43.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	3012	2.329	ug/l #	37
3) Chloromethane	2.21	50	11264	2.844	ug/l	89
4) Vinyl Chloride	2.35	62	11984	2.867	ug/l	99
5) Bromomethane	2.77	94	7821	2.911	ug/l	84
6) Chloroethane	2.93	64	7568	2.738	ug/l	93
7) Trichlorofluoromethane	3.27	101	15371	2.782	ug/l	94
8) Diethyl Ether	3.71	74	2513	2.833	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	4.09	101	4109	2.686	ug/l	97
10) Methyl Iodide	4.30	142	5213	2.473	ug/l #	93
11) Tert butyl alcohol	5.24	59	2209m	17.543	ug/l	
12) 1,1-Dichloroethene	4.06	96	4699	3.075	ug/l #	68
13) Acrolein	3.93	56	2222m	14.014	ug/l	
14) Allyl chloride	4.70	41	7948	3.128	ug/l #	95
15) Acrylonitrile	5.43	53	5290	13.528	ug/l	98
16) Acetone	4.17	43	8897	19.249	ug/l	92
17) Carbon Disulfide	4.40	76	13210	2.378	ug/l #	86
18) Methyl Acetate	4.72	43	2844	3.146	ug/l #	88
19) Methyl tert-butyl Ether	5.47	73	10499	2.653	ug/l	99
20) Methylene Chloride	4.96	84	14173	5.975	ug/l #	84
21) trans-1,2-Dichloroethene	5.48	96	5379	2.827	ug/l #	80
22) Diisopropyl ether	6.37	45	14247	2.746	ug/l #	97
23) Vinyl Acetate	6.31	43	36372m	11.783	ug/l	
24) 1,1-Dichloroethane	6.26	63	8377	2.621	ug/l #	84
25) 2-Butanone	7.23	43	8615	15.728	ug/l	93
26) 2,2-Dichloropropane	7.22	77	9340	3.230	ug/l	91
27) cis-1,2-Dichloroethene	7.22	96	5516	2.562	ug/l	85
28) Bromochloromethane	7.54	49	3834	3.201	ug/l	88
29) Tetrahydrofuran	7.58	42	4376	13.687	ug/l	89
30) Chloroform	7.71	83	9531	2.745	ug/l	99
31) Cyclohexane	7.98	56	10967	3.659	ug/l #	90
32) 1,1,1-Trichloroethane	7.91	97	7403	2.486	ug/l	99
36) 1,1-Dichloropropene	8.11	75	6759	2.386	ug/l	92
37) Ethyl Acetate	7.30	43	4347	3.381	ug/l #	93
38) Carbon Tetrachloride	8.11	117	6527	2.280	ug/l #	68

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	8790	2.523	ug/l #	86
40) Benzene	8.36	78	19733	2.430	ug/l	96
41) Methacrylonitrile	7.53	41	2096	3.191	ug/l #	69
42) 1,2-Dichloroethane	8.43	62	5890	2.508	ug/l	92
43) Isopropyl Acetate	8.47	43	6052	2.547	ug/l #	75
44) Trichloroethene	9.12	130	5762	2.461	ug/l	99
45) 1,2-Dichloropropane	9.40	63	5084	2.558	ug/l	89
46) Dibromomethane	9.48	93	2637	2.330	ug/l	93
47) Bromodichloromethane	9.66	83	6359	2.182	ug/l	89
48) Methyl methacrylate	9.46	41	3752	3.296	ug/l #	76
49) 1,4-Dioxane	9.46	88	1043	67.511	ug/l #	40
51) 4-Methyl-2-Pentanone	10.23	43	15751	12.782	ug/l	94
52) Toluene	10.40	92	13986	2.509	ug/l	93
53) t-1,3-Dichloropropene	10.62	75	6914	2.431	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	7843	2.396	ug/l #	79
55) 1,1,2-Trichloroethane	10.80	97	4435	2.775	ug/l #	80
56) Ethyl methacrylate	10.67	69	4228	2.089	ug/l #	74
57) 1,3-Dichloropropane	10.95	76	6360	2.326	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.95	63	9597	11.033	ug/l	90
59) 2-Hexanone	10.98	43	10158	11.395	ug/l	95
60) Dibromochloromethane	11.14	129	4606	2.214	ug/l	97
61) 1,2-Dibromoethane	11.25	107	3495	2.256	ug/l	87
64) Tetrachloroethene	10.87	164	5137	2.530	ug/l #	79
65) Chlorobenzene	11.67	112	14194	2.377	ug/l	89
66) 1,1,1,2-Tetrachloroethane	11.74	131	4866	2.211	ug/l	94
67) Ethyl Benzene	11.74	91	24466	2.272	ug/l	92
68) m/p-Xylenes	11.86	106	18335	4.411	ug/l	97
69) o-Xylene	12.18	106	9287	2.333	ug/l	86
70) Styrene	12.20	104	14081	2.090	ug/l	94
71) Bromoform	12.37	173	2577	2.182	ug/l #	95
73) Isopropylbenzene	12.48	105	22308	2.285	ug/l	94
74) N-amyl acetate	12.29	43	5004	2.381	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.73	83	4468	2.630	ug/l	89
76) 1,2,3-Trichloropropane	12.79	75	2277m	2.341	ug/l	
77) Bromobenzene	12.76	156	6223	2.558	ug/l	95
78) n-propylbenzene	12.82	91	27396	2.391	ug/l	99
79) 2-Chlorotoluene	12.91	91	15877	2.513	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	18626	2.287	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	1466m	2.667	ug/l	
82) 4-Chlorotoluene	13.01	91	16519	2.464	ug/l	99
83) tert-Butylbenzene	13.22	119	16092	2.220	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	18883	2.249	ug/l	100
85) sec-Butylbenzene	13.40	105	22749	2.324	ug/l	99
86) p-Isopropyltoluene	13.51	119	19412	2.096	ug/l	94
87) 1,3-Dichlorobenzene	13.52	146	11088	2.307	ug/l	91
88) 1,4-Dichlorobenzene	13.60	146	11923	2.515	ug/l	87
89) n-Butylbenzene	13.84	91	20688	2.399	ug/l	97
90) Hexachloroethane	14.11	117	3707	2.225	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	9837	2.375	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.51	75	487	1.657	ug/l #	56

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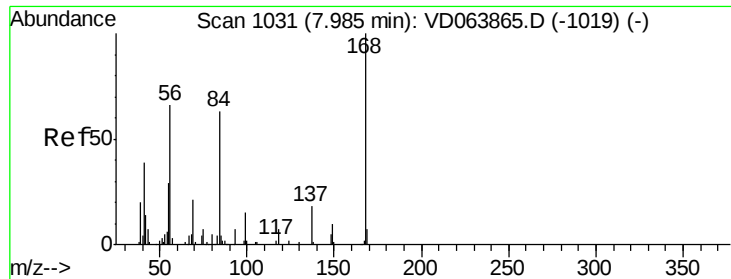
Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:35 PM

Quant Time: Oct 04 02:04:37 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)
93) 1,2,4-Trichlorobenzene	15.16	180	8043	2.517	ug/l	98
94) Hexachlorobutadiene	15.27	225	4532	2.570	ug/l	95
95) Naphthalene	15.40	128	12028	2.239	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.59	180	6138	2.226	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

MDL06

Tot Ion:168 Resp: 182347

Ion Ratio Lower Upper

168 100

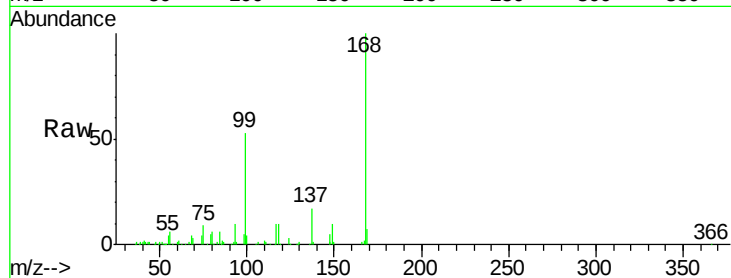
99 52.6 43.0 64.4

Manual Integrations

APPROVED

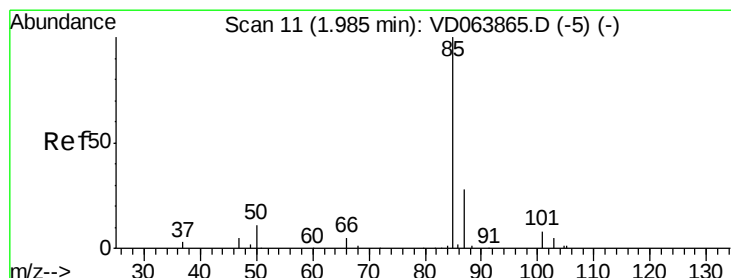
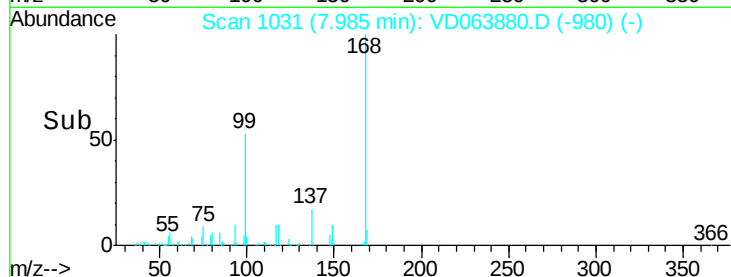
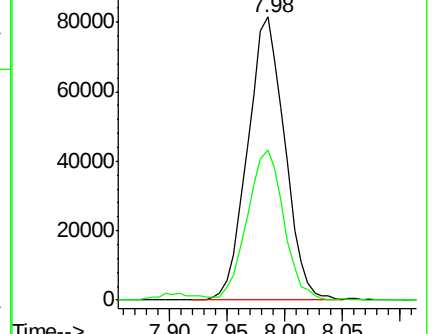
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 2.329 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063880.D

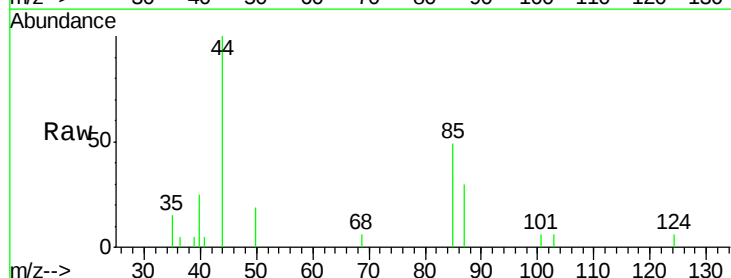
Acq: 03 Oct 2019 17:21

Tgt Ion: 85 Resp: 3012

Ion Ratio Lower Upper

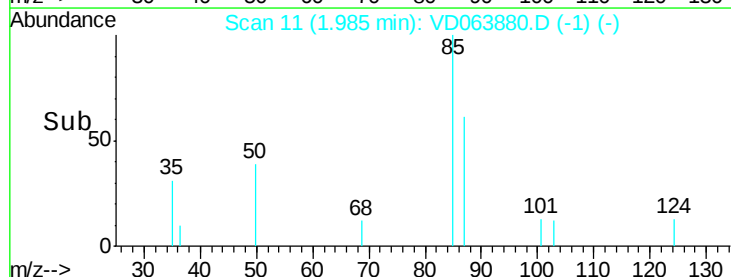
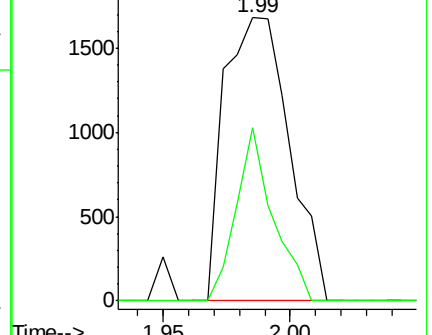
85 100

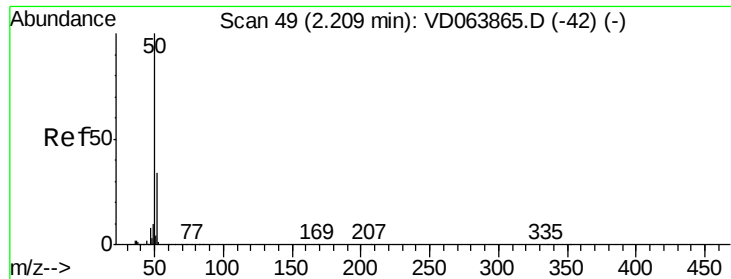
87 61.4 14.0 42.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 2.844 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

MDL06

Tot Ion: 50 Resp: 11264

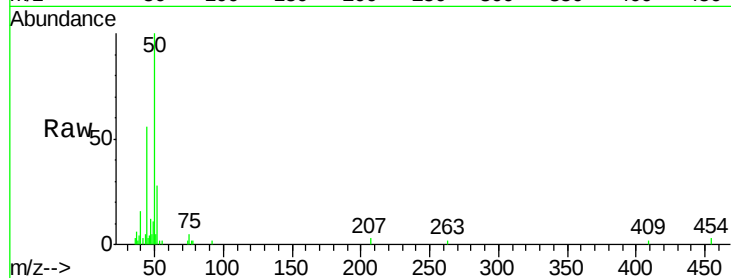
Ion Ratio Lower Upper

50 100

52 28.1 27.5 41.3

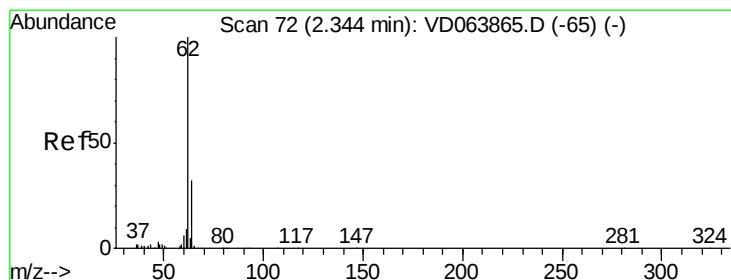
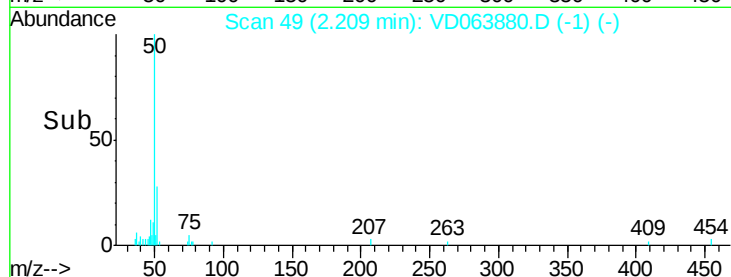
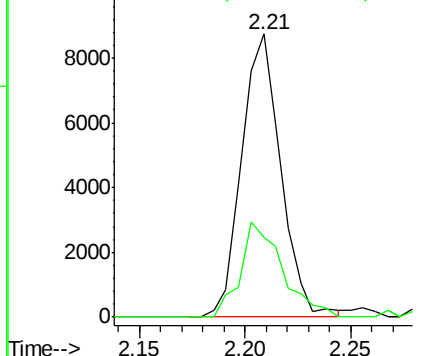
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 2.867 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063880.D

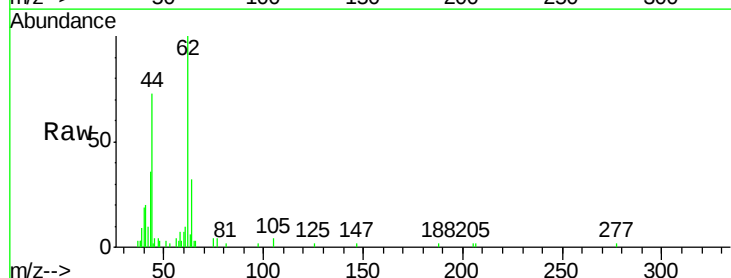
Acq: 03 Oct 2019 17:21

Tgt Ion: 62 Resp: 11984

Ion Ratio Lower Upper

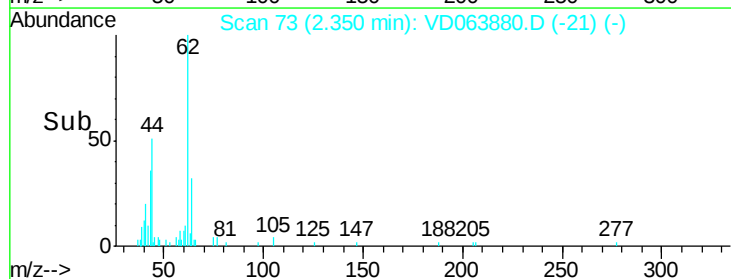
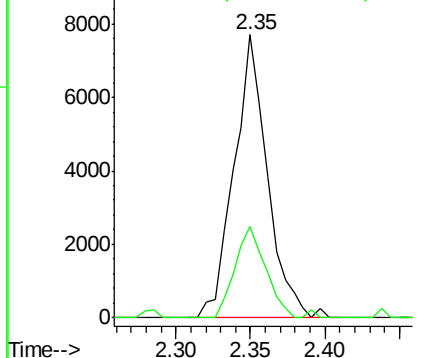
62 100

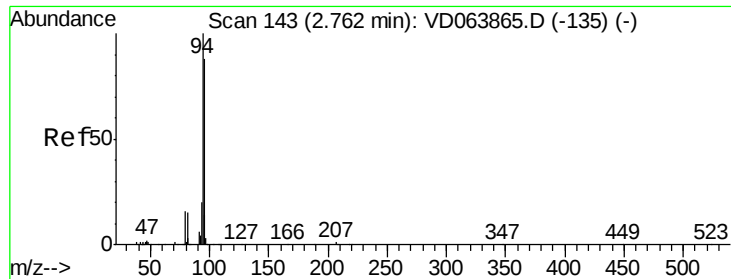
64 32.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 2.911 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

ClientSampled :

MDL06

Tot Ion: 94 Resp: 7821

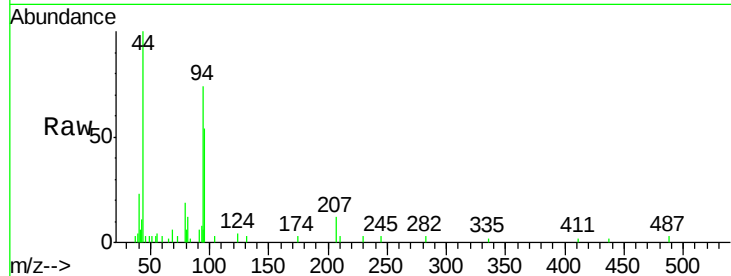
Ion Ratio Lower Upper

94 100

96 73.5 70.8 106.2

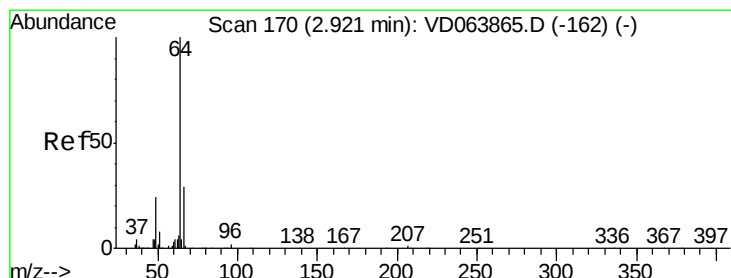
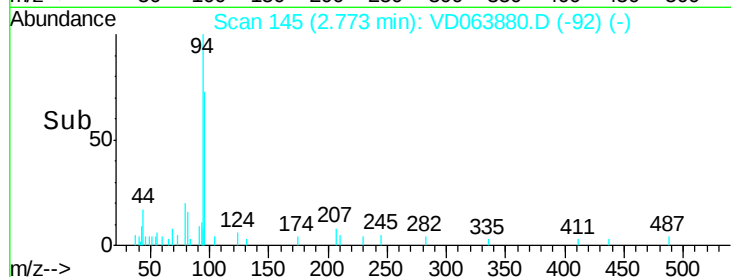
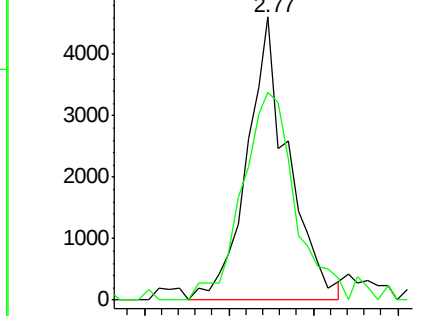
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 2.738 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063880.D

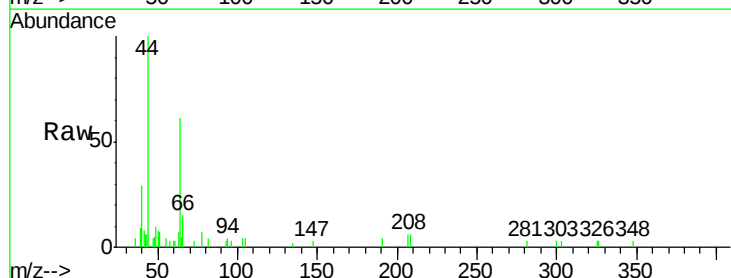
Acq: 03 Oct 2019 17:21

Tgt Ion: 64 Resp: 7568

Ion Ratio Lower Upper

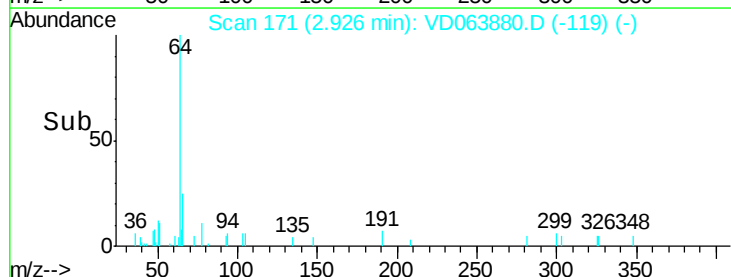
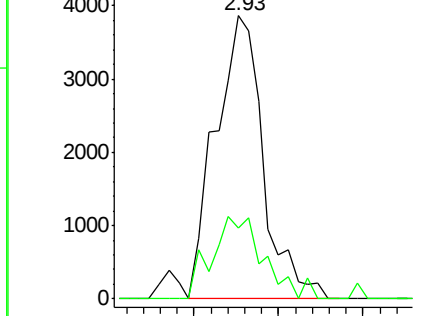
64 100

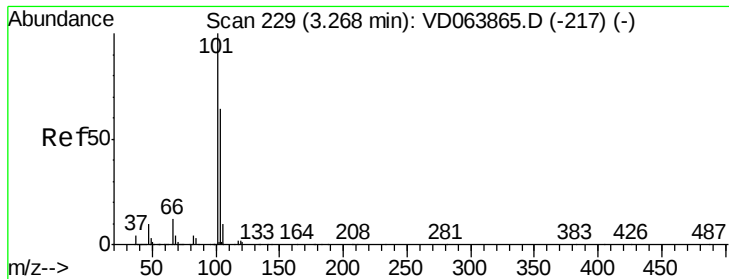
66 25.2 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

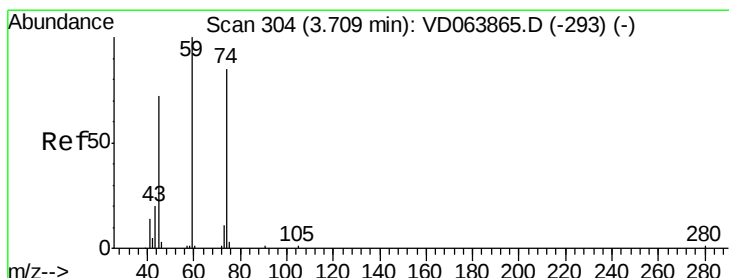
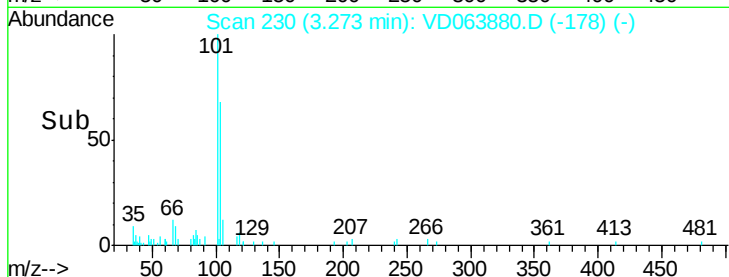
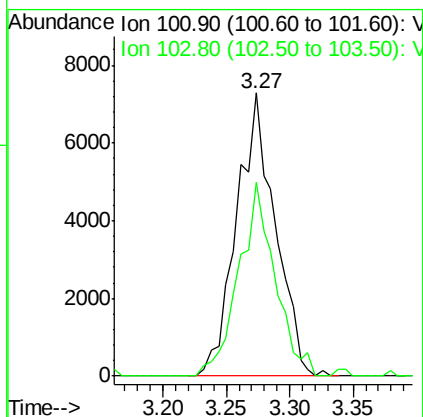
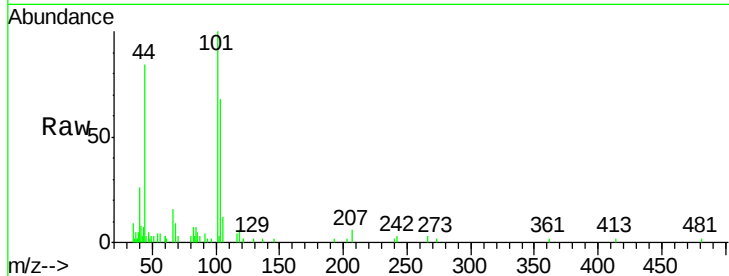
Trichlorofluoromethane
Concen: 2.782 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	51.1	76.7

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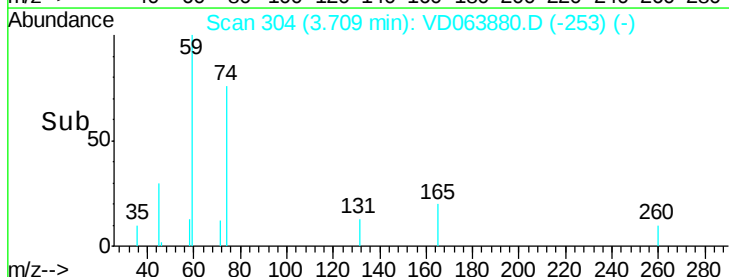
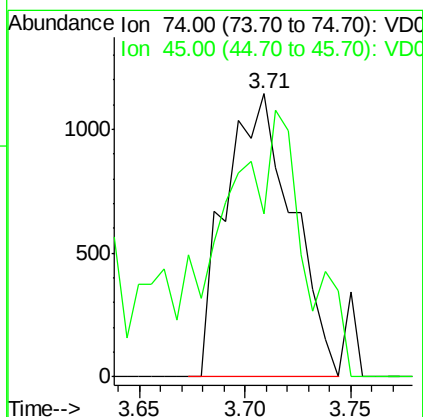
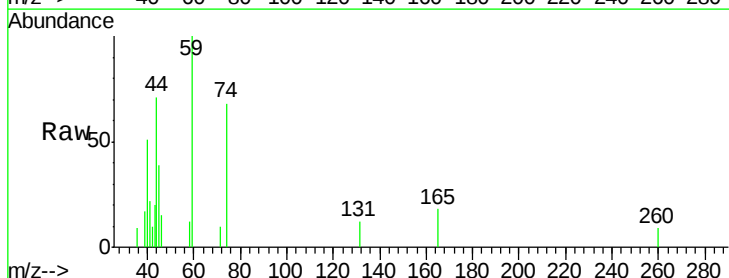
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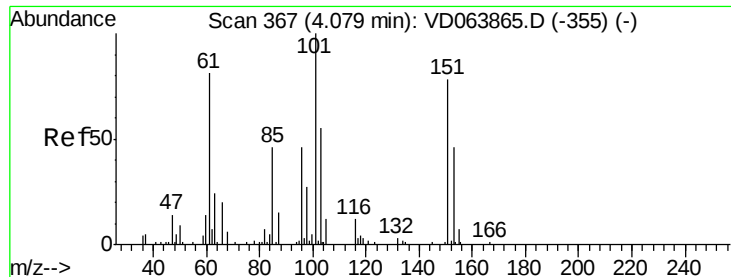


#8

Diethyl Ether
Concen: 2.833 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.7	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.686 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063880.D

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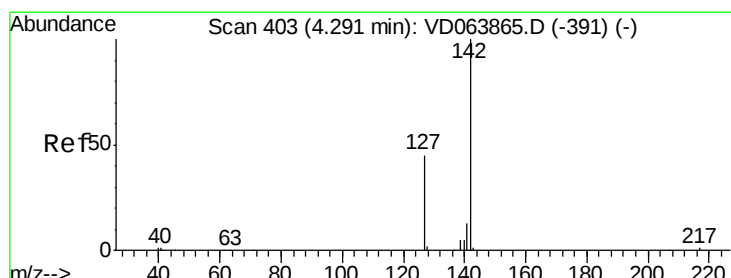
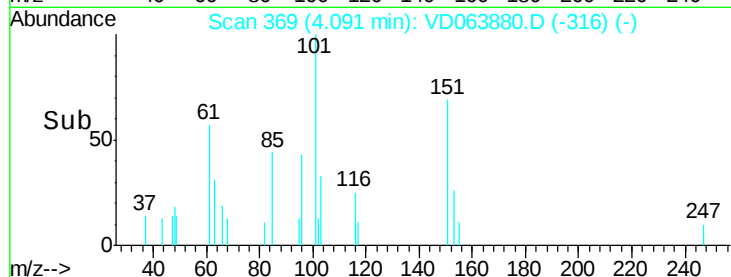
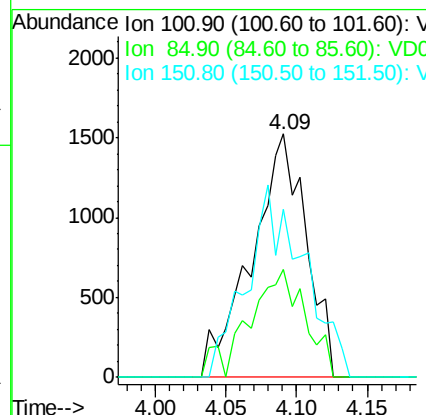
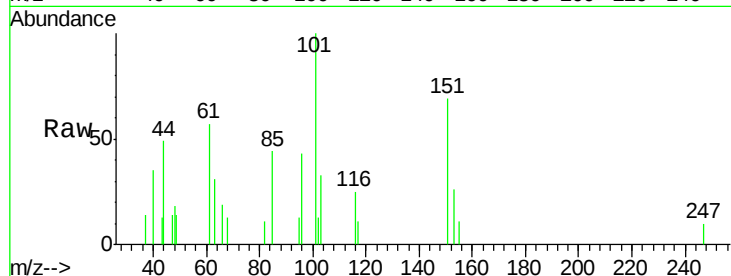
ClientSampleId :

MDL06

Tot Ion:	101	Resp:	4109
Ion Ratio	Lower	Upper	
101	100		
85	42.8	37.5	56.3
151	82.4	65.5	98.3

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 2.473 ug/l

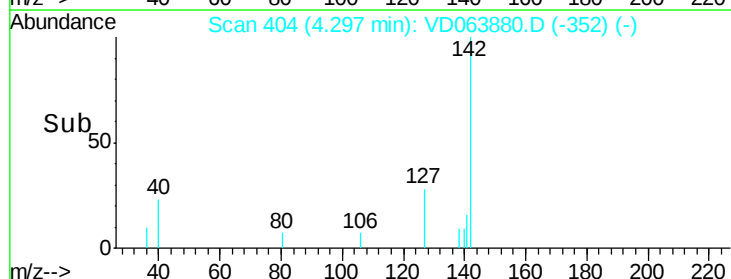
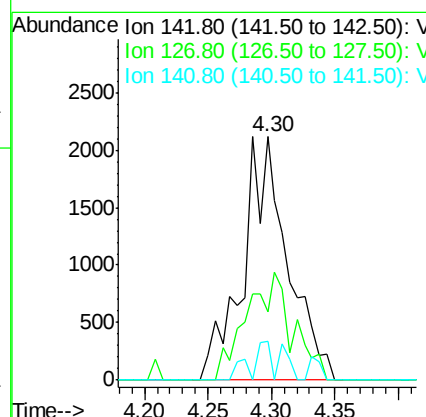
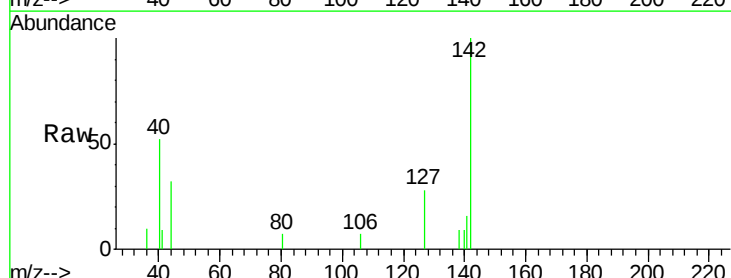
RT: 4.30 min Scan# 404

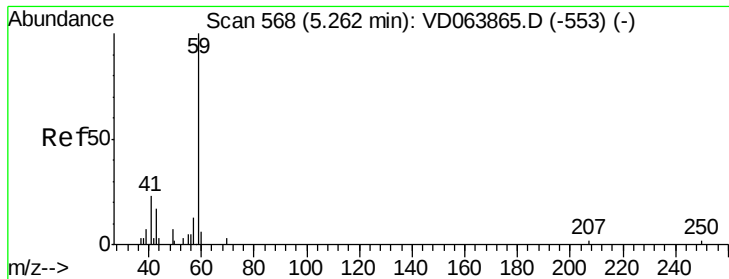
Delta R.T. 0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Tgt Ion:	142	Resp:	5213
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.3	52.9
141	6.9	12.2	18.2#





#11

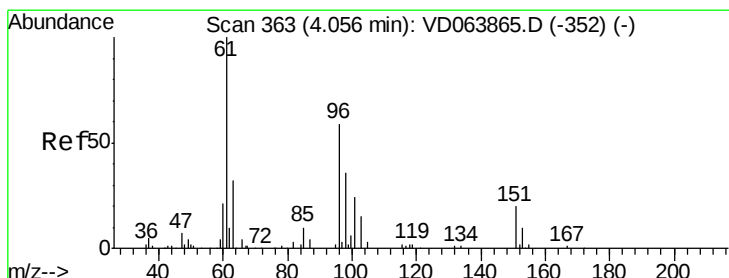
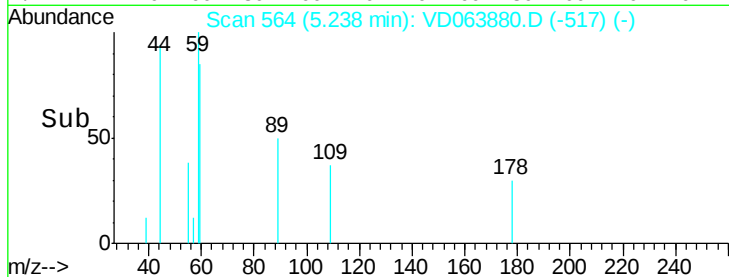
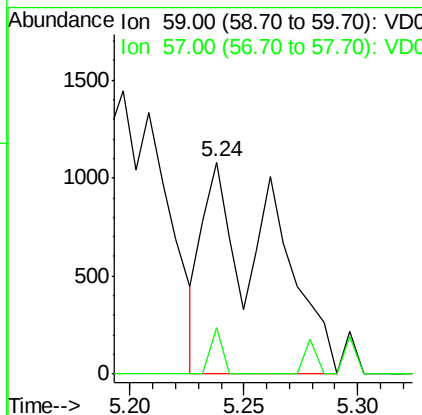
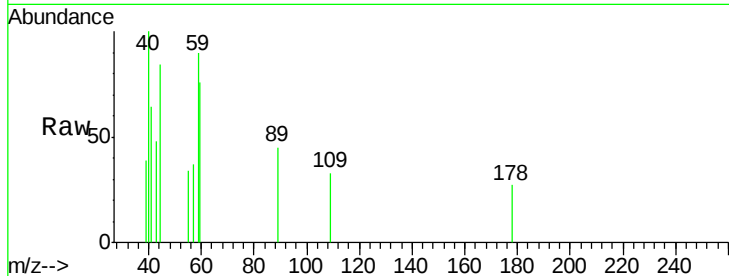
Tert butyl alcohol
 Concen: 17.543 ug/l m
 RT: 5.24 min Scan# 564
 Delta R.T. -0.02 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL06

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

Manual Integrations
 APPROVED

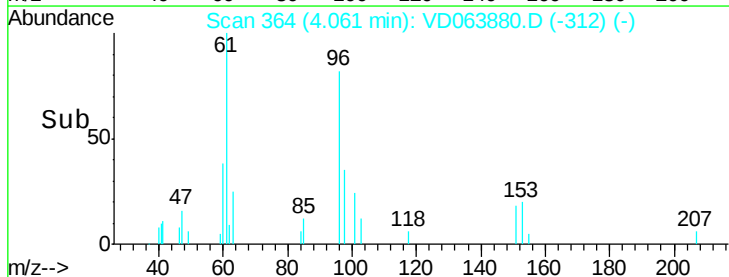
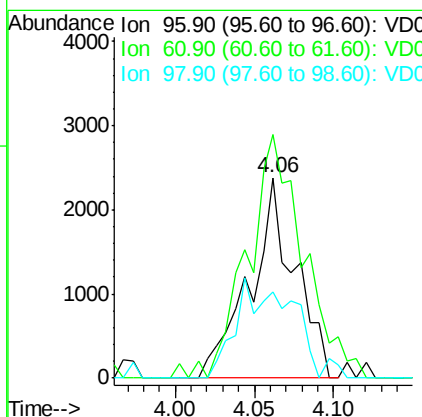
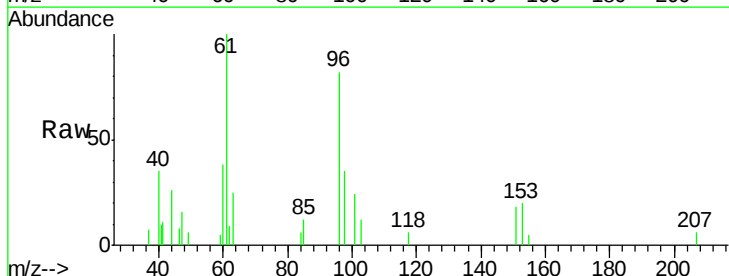
MMDadoda
 10/4/2019 4:31:35 PM

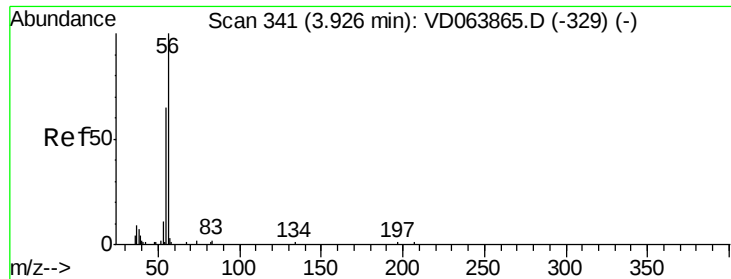


#12

1,1-Dichloroethene
 Concen: 3.075 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.3	135.6	203.4#
98	42.7	49.2	73.8#





#13

Acrolein

Concen: 14.014 ug/l m

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

ClientSampled :

MDL06

Tot Ion: 56 Resp: 2222

Ion Ratio Lower Upper

56 100

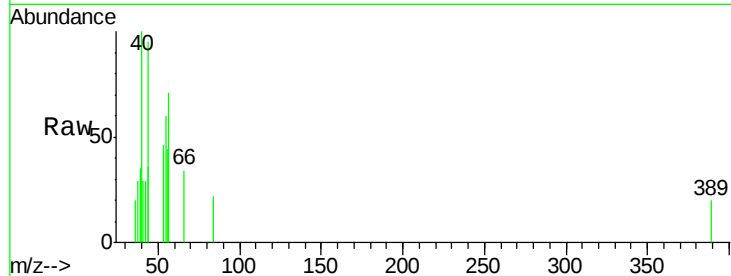
55 38.1 53.0 79.6#

Manual Integrations

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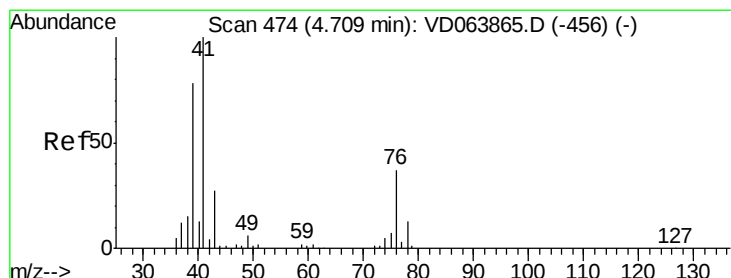
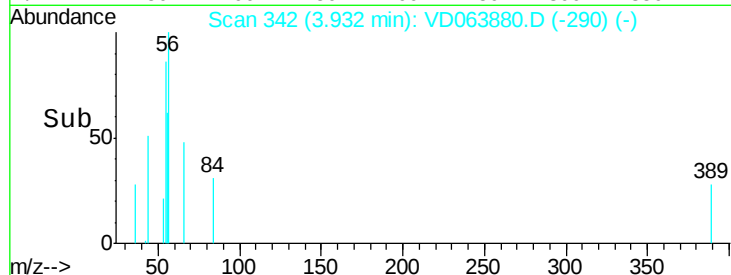
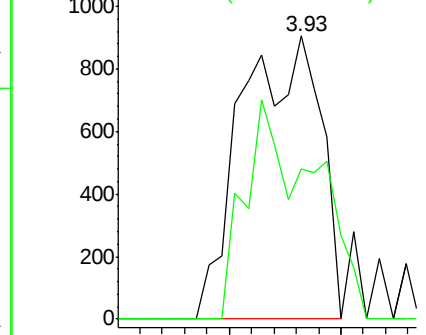
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 3.128 ug/l

RT: 4.70 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

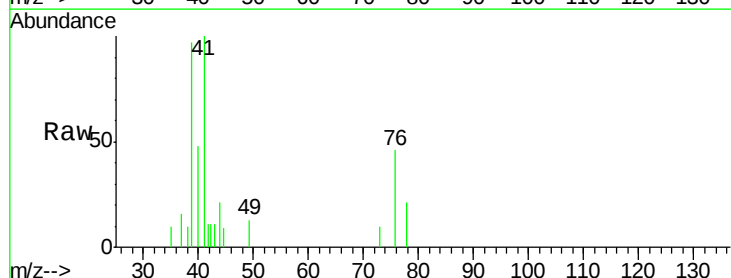
Tgt Ion: 41 Resp: 7948

Ion Ratio Lower Upper

41 100

39 78.4 61.8 92.6

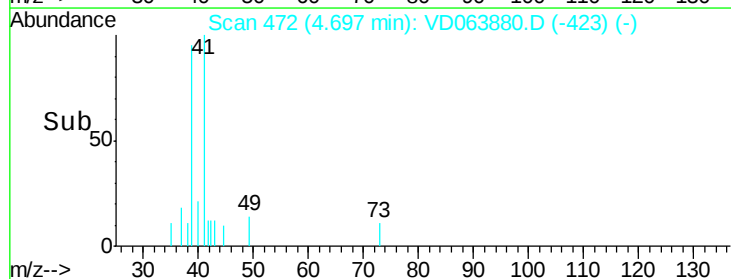
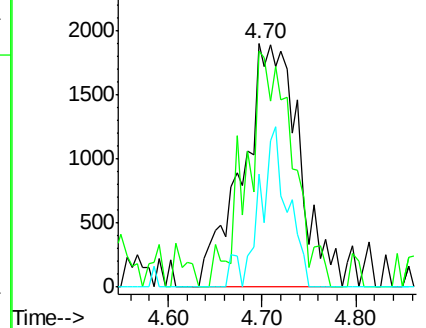
76 30.8 31.3 46.9#

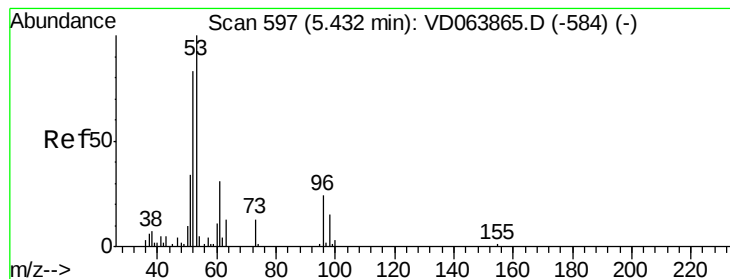


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 13.528 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

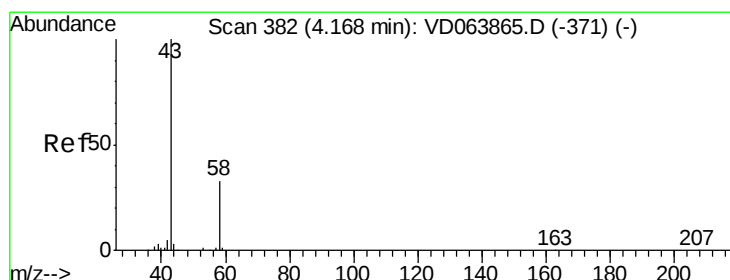
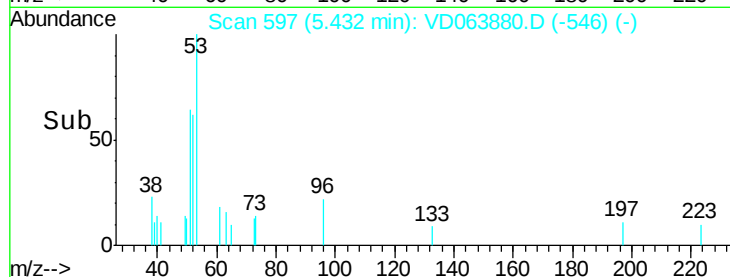
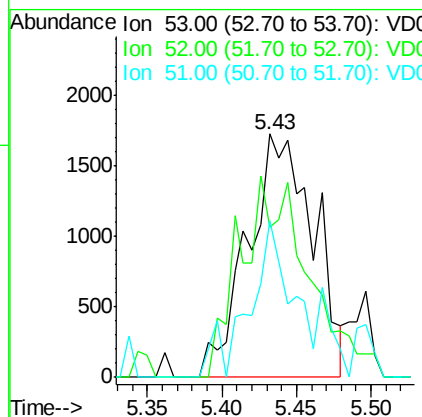
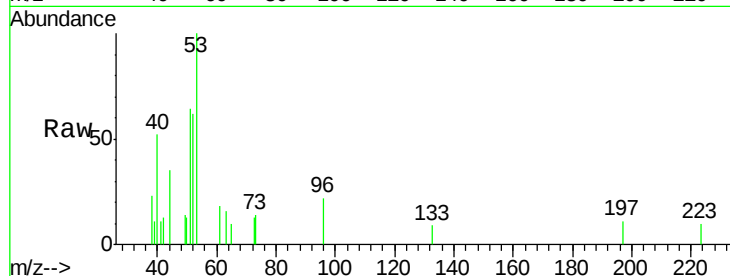
ClientSampled :

MDL06

Tot Ion:	53	Resp:	5290
Ion Ratio	Lower	Upper	
53	100		
52	86.0	67.3	100.9
51	38.5	30.5	45.7

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 19.249 ug/l

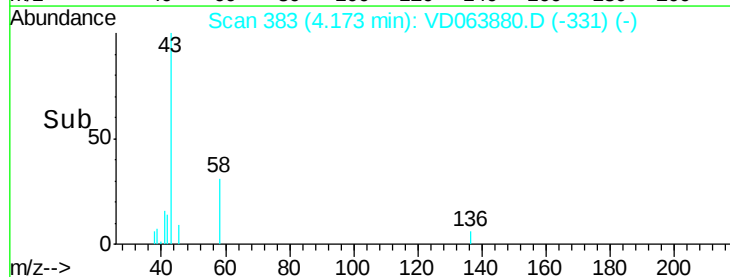
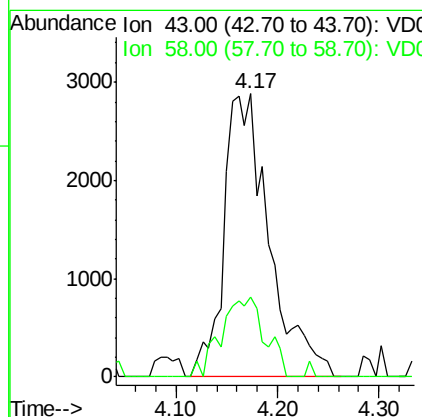
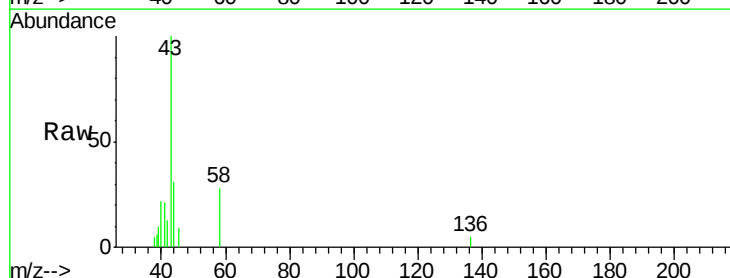
RT: 4.17 min Scan# 383

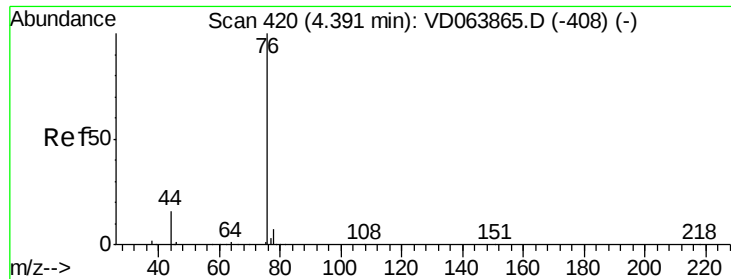
Delta R.T. 0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Tgt Ion:	43	Resp:	8897
Ion Ratio	Lower	Upper	
43	100		
58	28.2	26.2	39.4





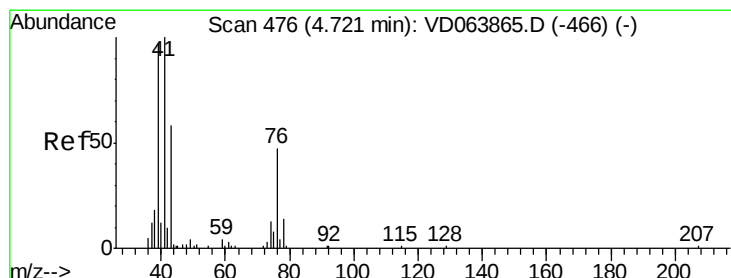
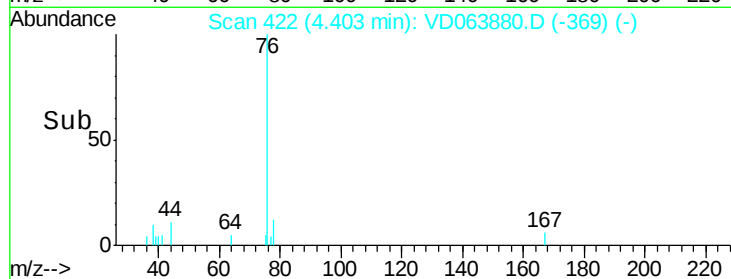
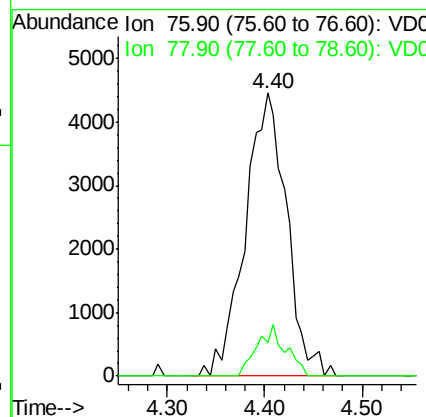
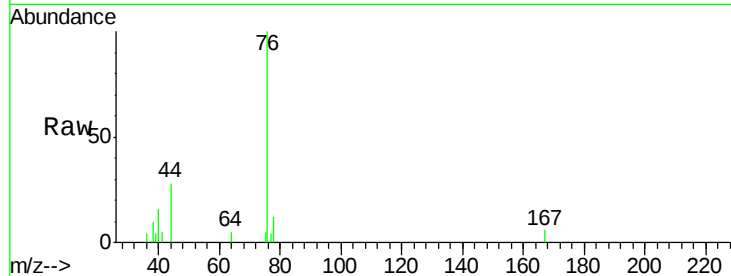
#17
Carbon Disulfide
Concen: 2.378 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion: 76 Resp: 13210
Ion Ratio Lower Upper
76 100
78 12.0 5.8 8.8#

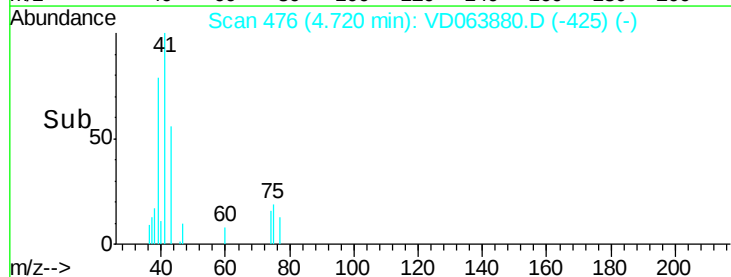
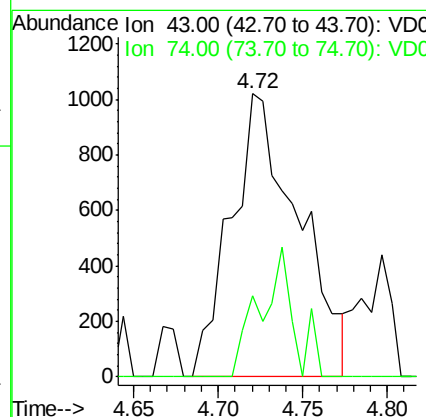
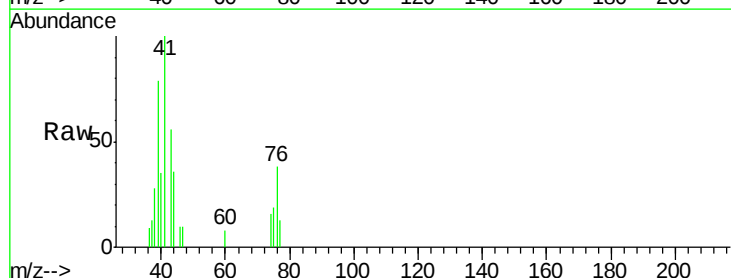
Manual Integrations
APPROVED

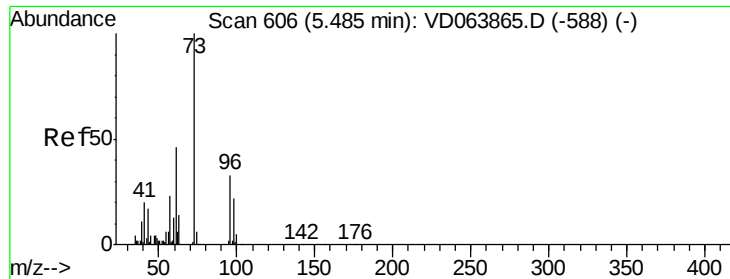
MMDadoda
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#18
Methyl Acetate
Concen: 3.146 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion: 43 Resp: 2844
Ion Ratio Lower Upper
43 100
74 19.8 20.8 31.2#





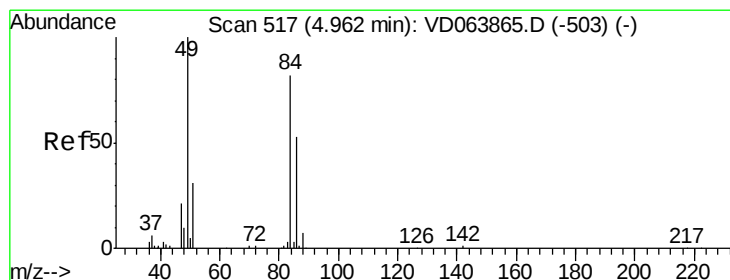
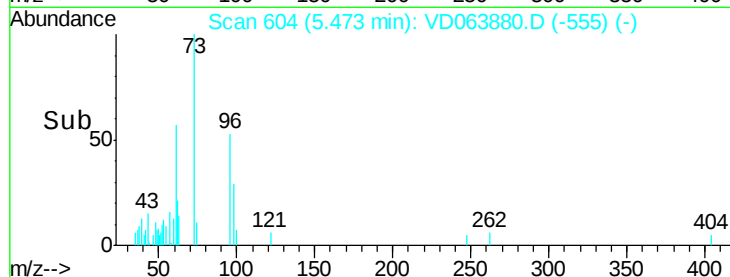
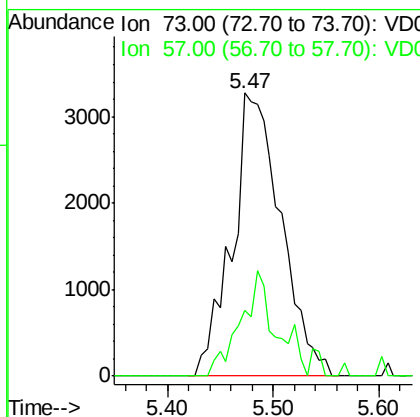
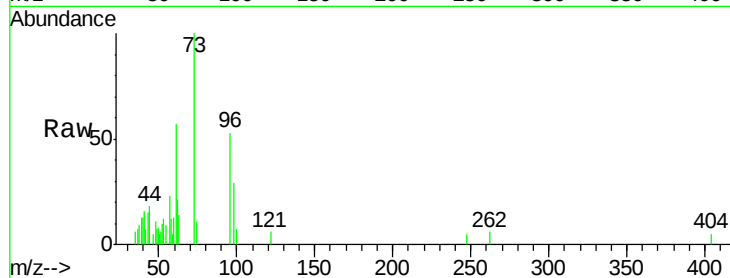
#19
Methvl tert-butvl Ether
Concen: 2.653 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion: 73 Resp: 10499
Ion Ratio Lower Upper
73 100
57 23.2 18.1 27.1

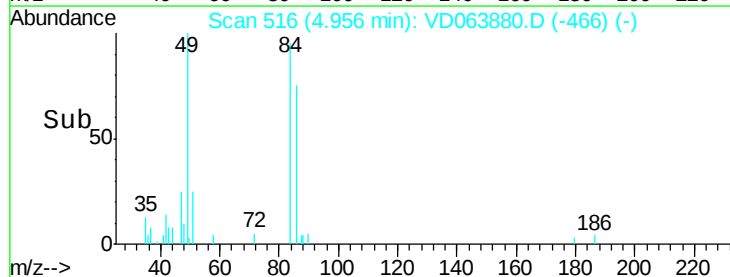
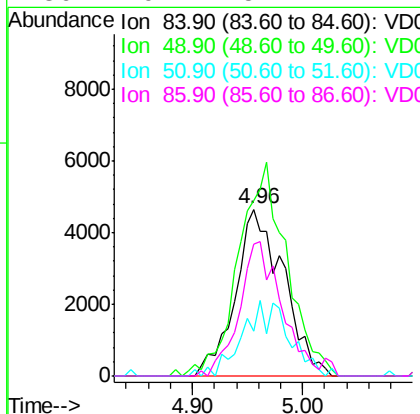
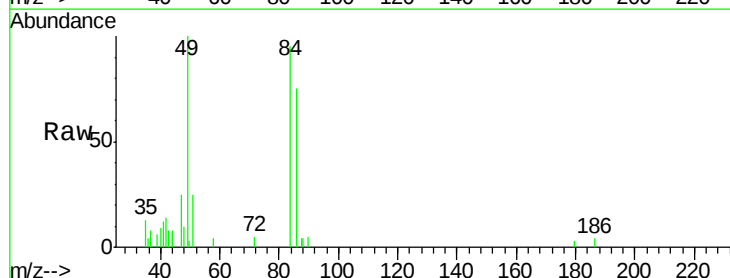
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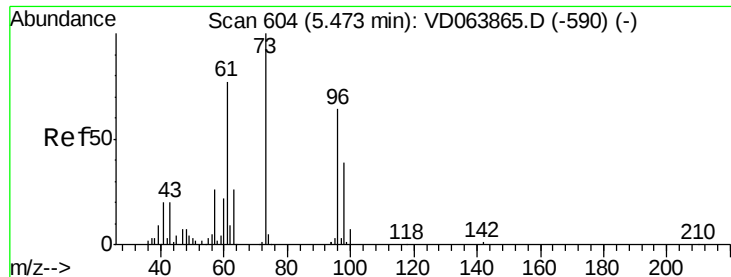
MMDadoda
10/4/2019 4:31:35 PM



#20
Methylene Chloride
Concen: 5.975 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion: 84 Resp: 14173
Ion Ratio Lower Upper
84 100
49 105.6 97.3 145.9
51 26.9 30.1 45.1#
86 79.1 51.4 77.2#





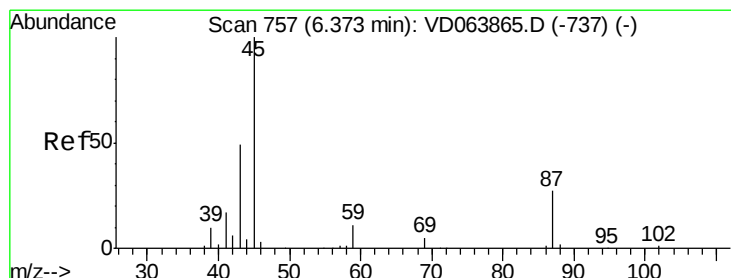
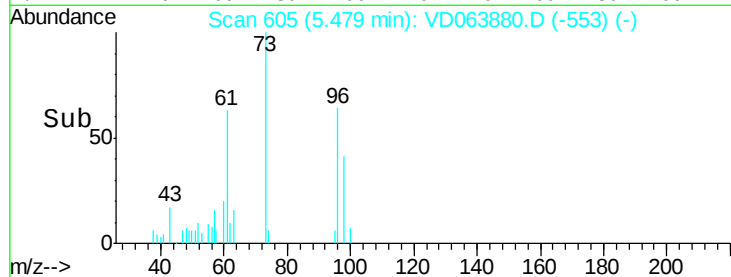
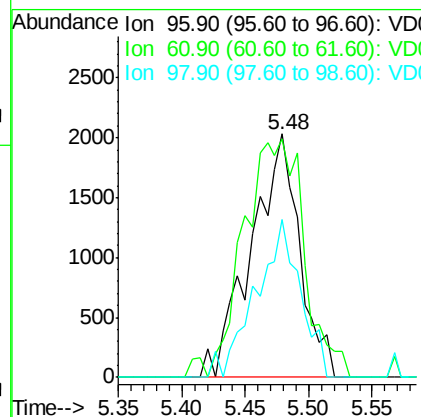
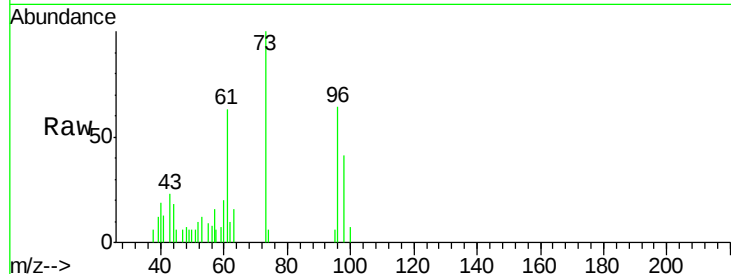
#21
trans-1,2-Dichloroethene
Concen: 2.827 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
96	100		
61	90.2	96.6	145.0#
98	64.7	48.7	73.1

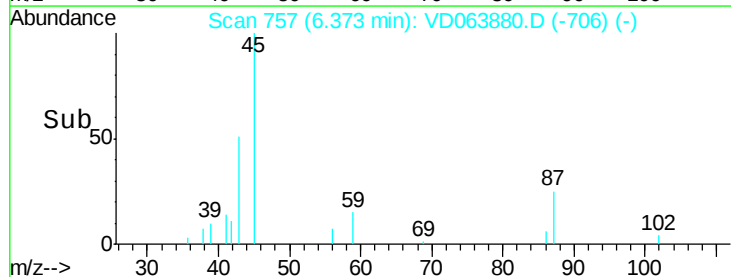
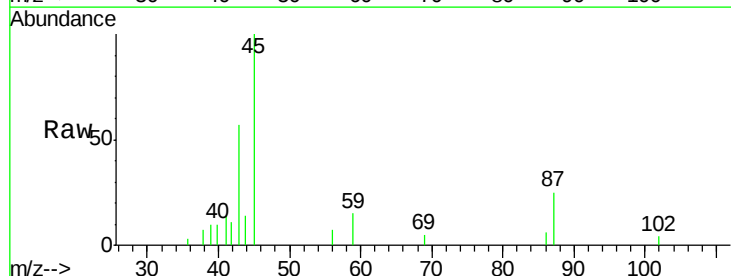
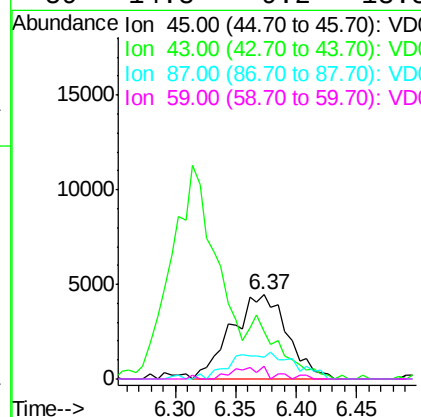
Manual Integrations
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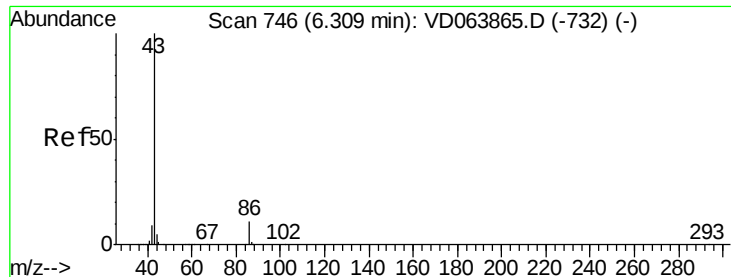
MMDadoda
10/4/2019 4:31:35 PM



#22
Diisopropyl ether
Concen: 2.746 ug/l
RT: 6.37 min Scan# 757
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.1	41.2	61.8
87	25.4	22.2	33.4
59	14.8	9.2	13.8#





#23

Vinyl Acetate

Concen: 11.783 ug/l m

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 36372

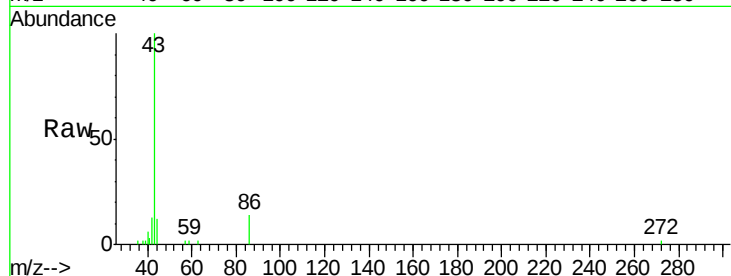
Ion Ratio Lower Upper

43 100

86 13.6 8.8 13.2#

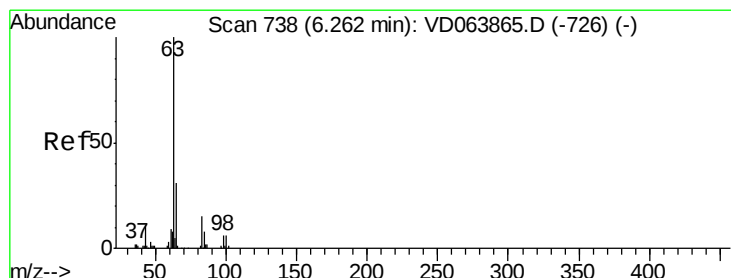
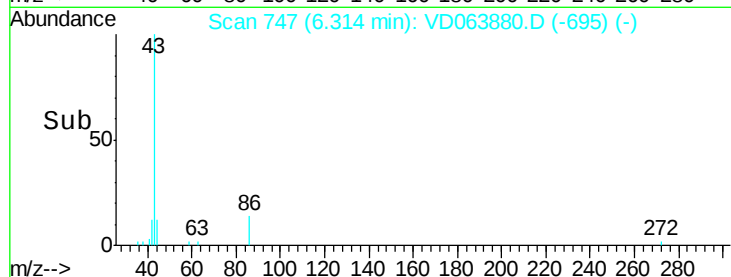
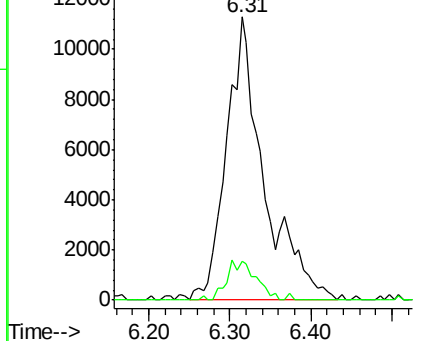
Manual Integrations
APPROVED

MMDadoda
10/4/2019 4:31:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 2.621 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

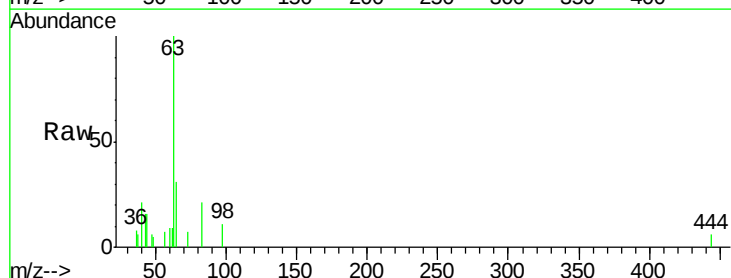
Tgt Ion: 63 Resp: 8377

Ion Ratio Lower Upper

63 100

98 10.9 3.1 9.4#

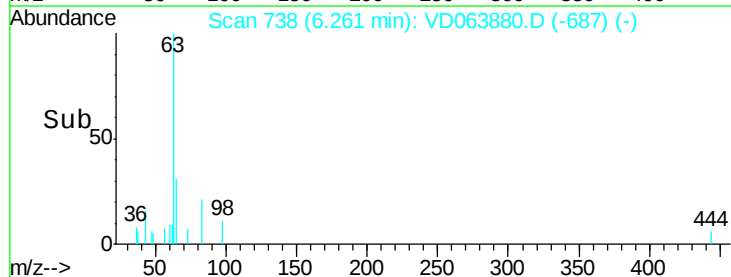
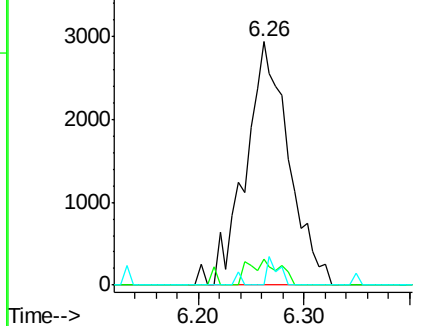
100 0.0 3.0 9.2#

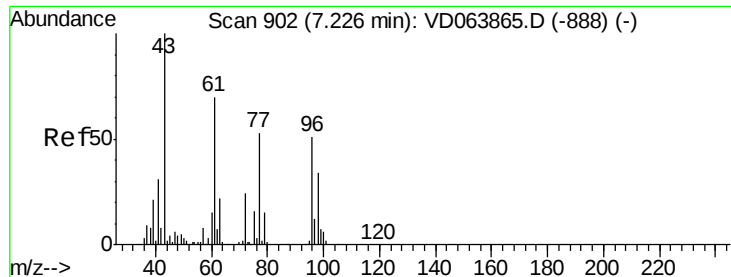


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 15.728 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 8615

Ion Ratio Lower Upper

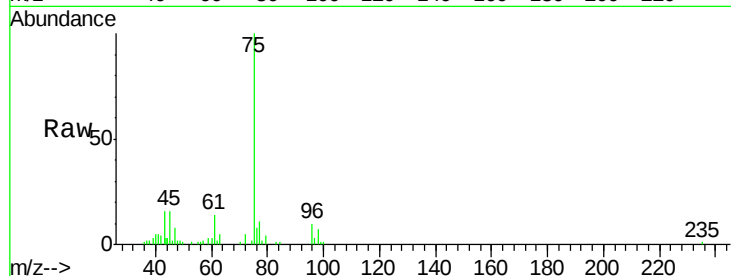
43 100

72 27.6 19.2 28.8

Manual Integrations
APPROVED

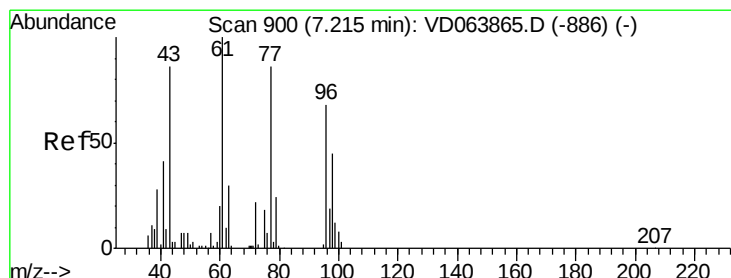
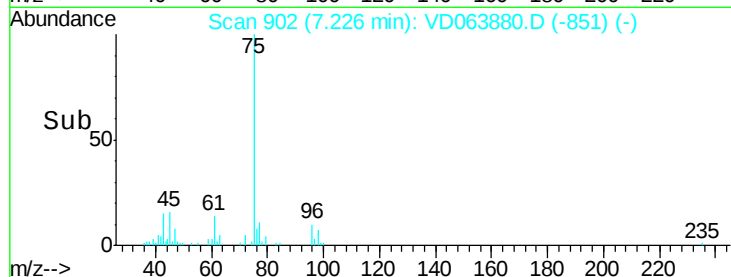
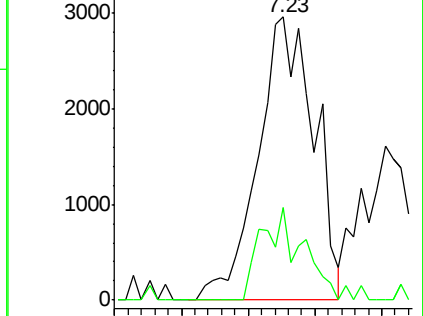
MMDadoda

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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: 3.230 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD063880.D

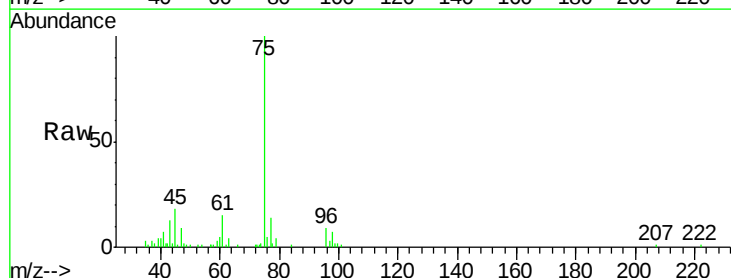
Acq: 03 Oct 2019 17:21

Tgt Ion: 77 Resp: 9340

Ion Ratio Lower Upper

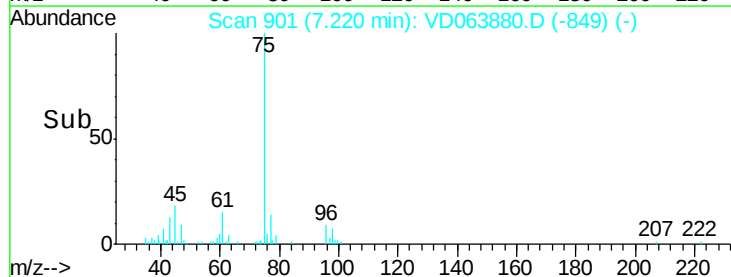
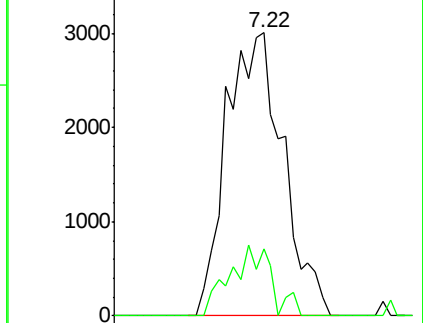
77 100

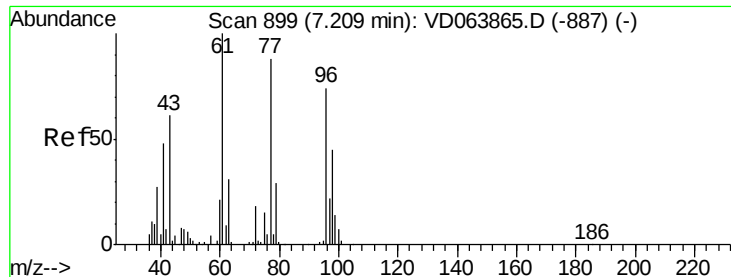
97 18.2 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





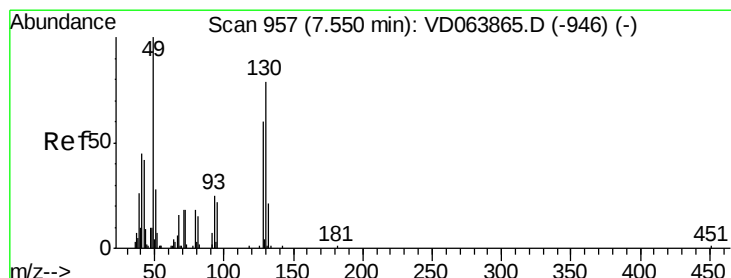
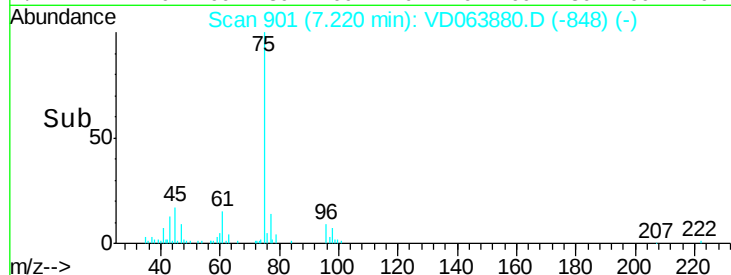
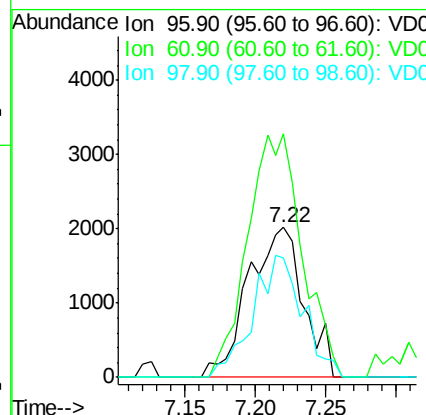
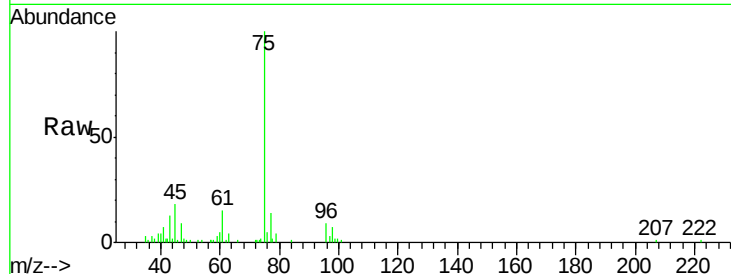
#27
 cis-1,2-Dichloroethene
 Concen: 2.562 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.7	0.0	280.0
98	73.6	0.0	130.4

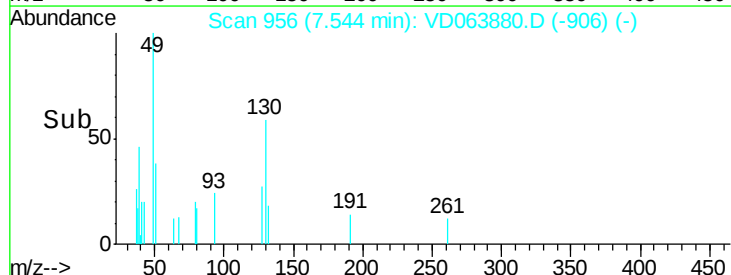
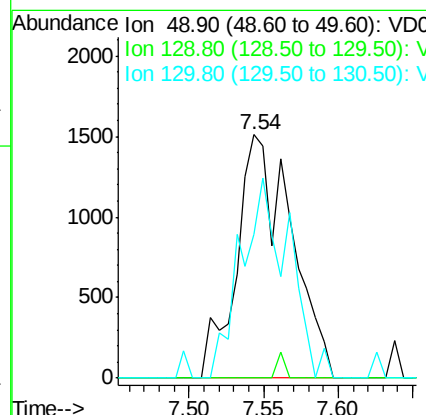
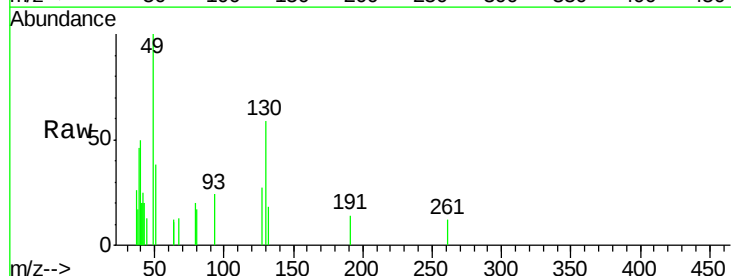
Manual Integrations
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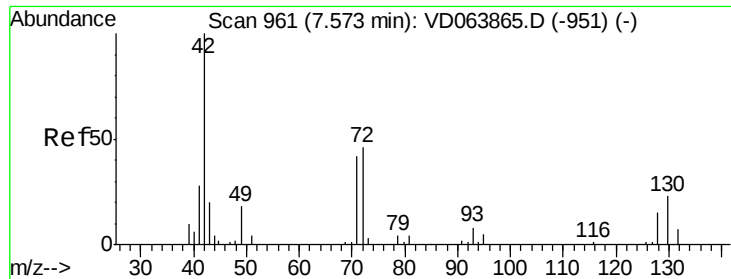
MMDadoda
 10/4/2019 4:31:35 PM



#28
 Bromochloromethane
 Concen: 3.201 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	5.6
130	72.1	66.8	100.2





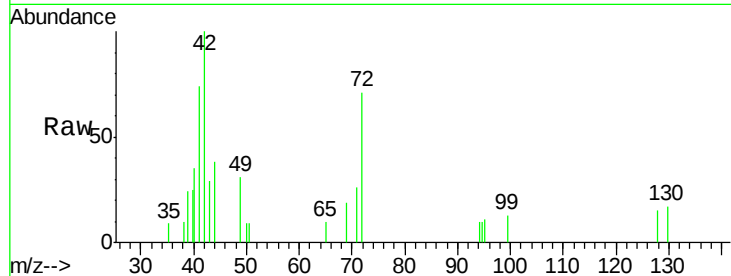
#29
Tetrahydrofuran
Concen: 13.687 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

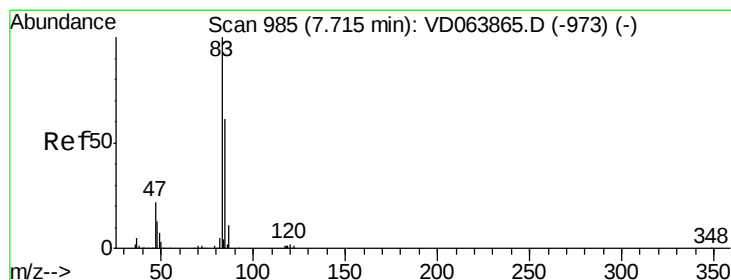
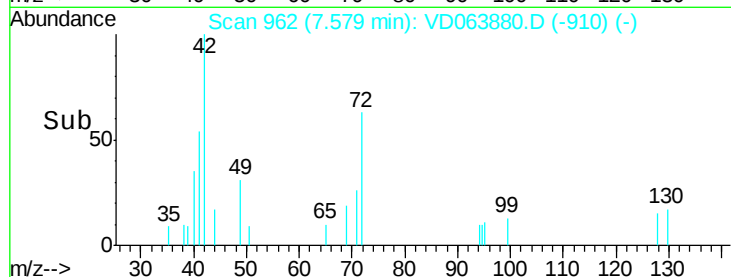
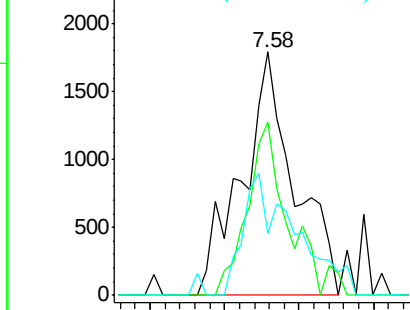
Tot Ion	Ratio	Lower	Upper
42	100		
72	55.6	37.6	56.4
71	50.1	35.0	52.6

Manual Integrations
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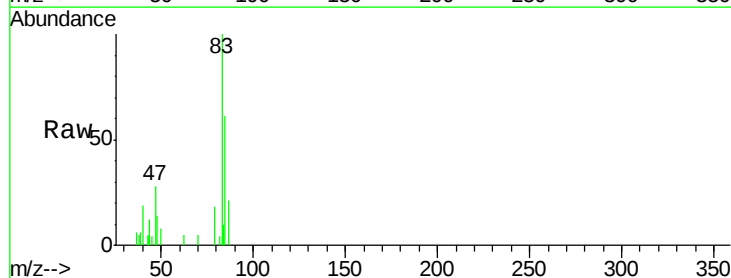


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

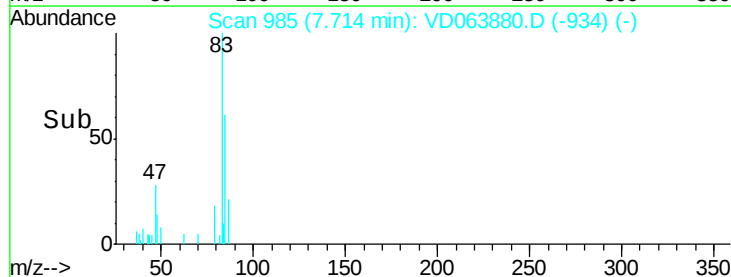
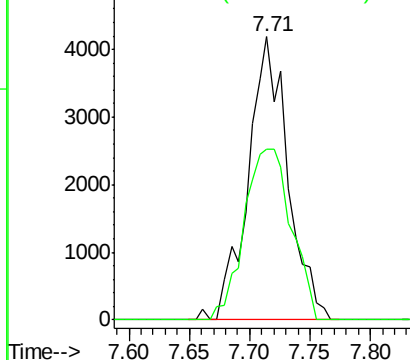


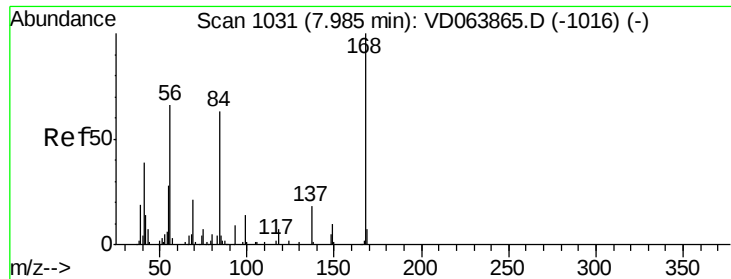
#30
Chloroform
Concen: 2.745 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.5	48.9	73.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





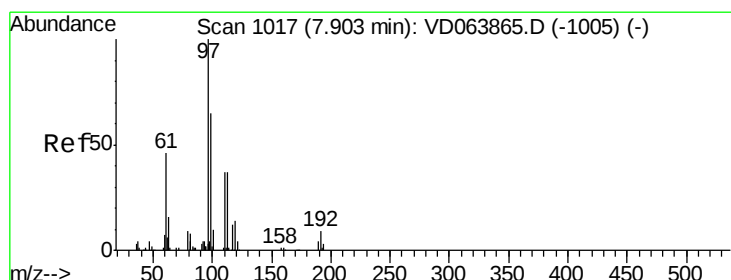
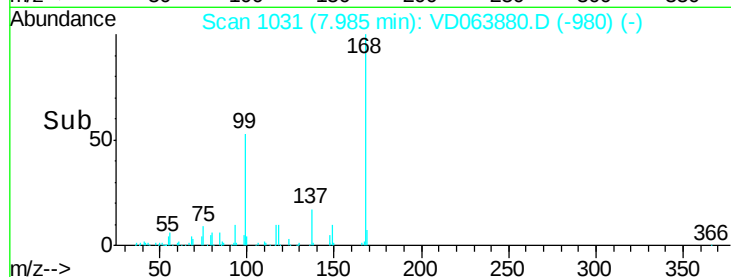
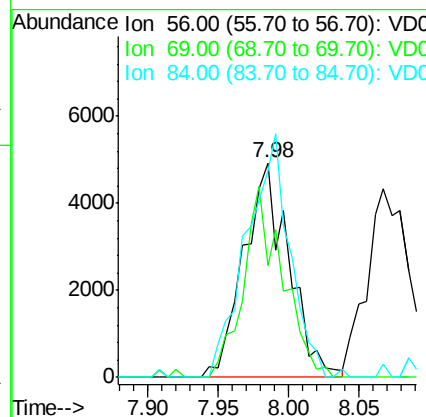
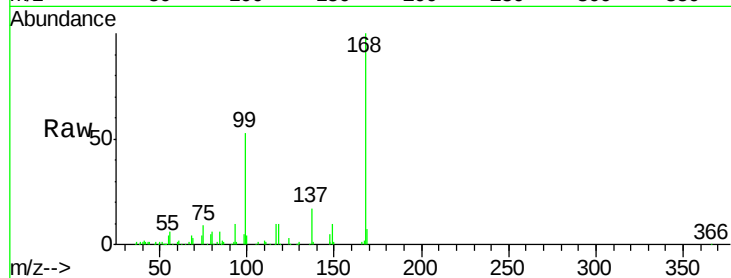
#31
Cyclohexane
Concen: 3.659 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
56	100		
69	51.9	25.0	37.4#
84	95.9	76.3	114.5

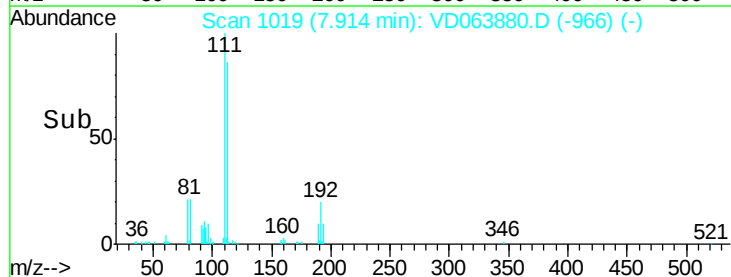
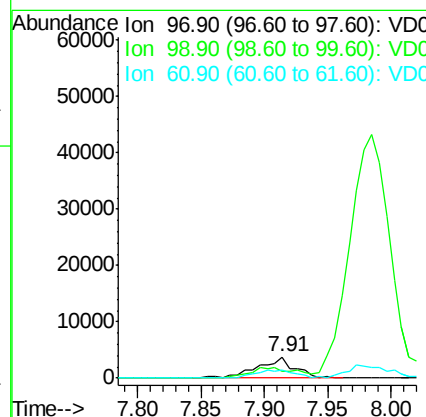
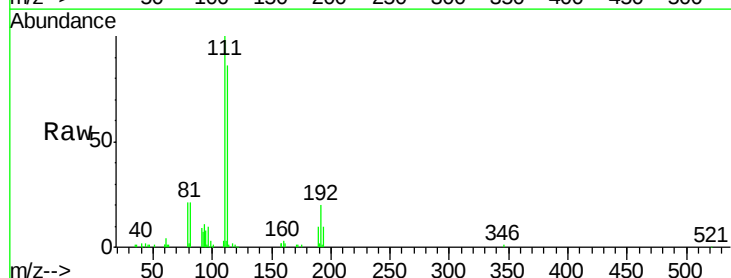
Manual Integrations
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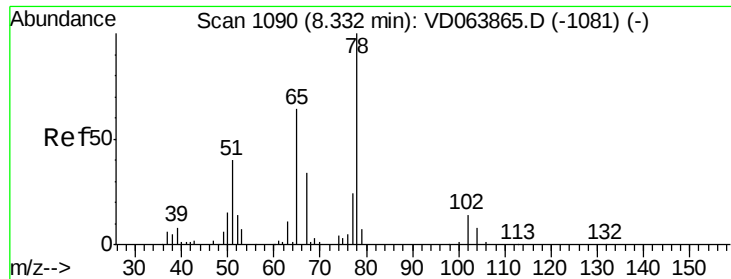
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 2.486 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.4	78.6
61	42.3	33.8	50.8





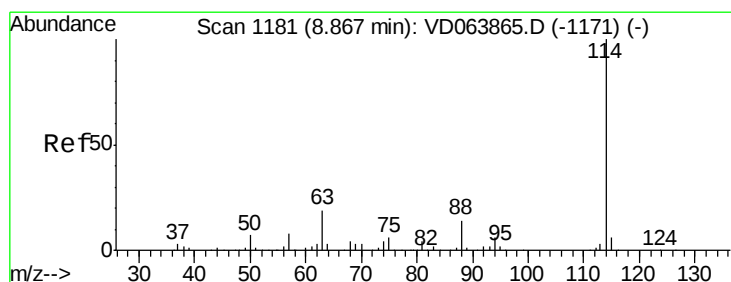
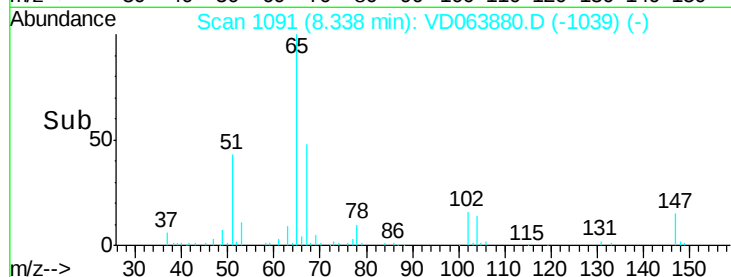
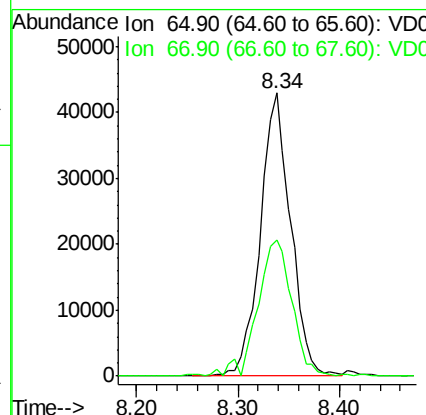
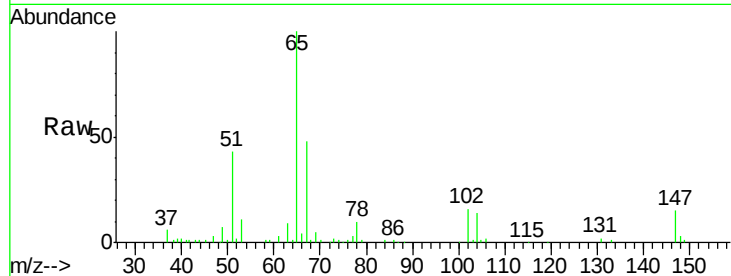
#33
 1,2-Dichloroethane-d4
 Concen: 50.220 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	106.4

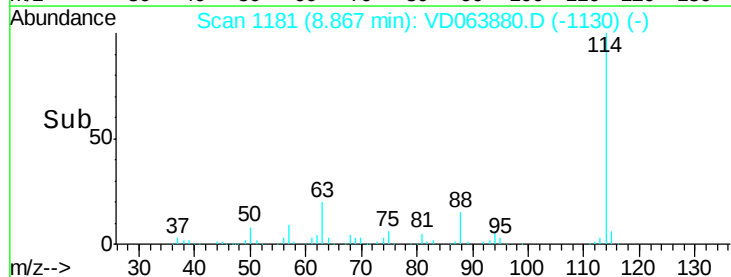
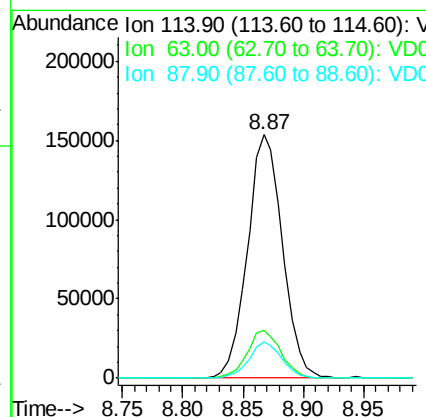
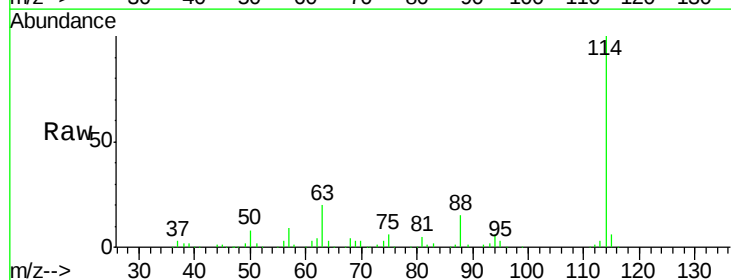
Manual Integrations
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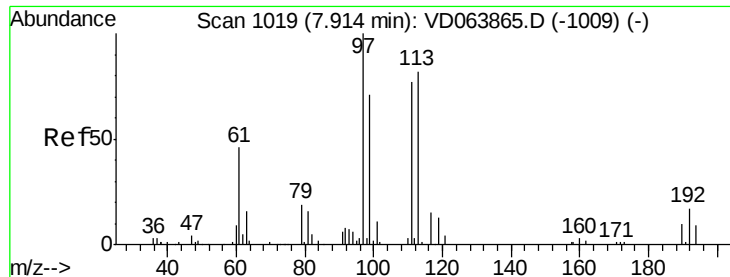
MMDadoda
 10/4/2019 4:31:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.4
88	15.0	0.0	27.4





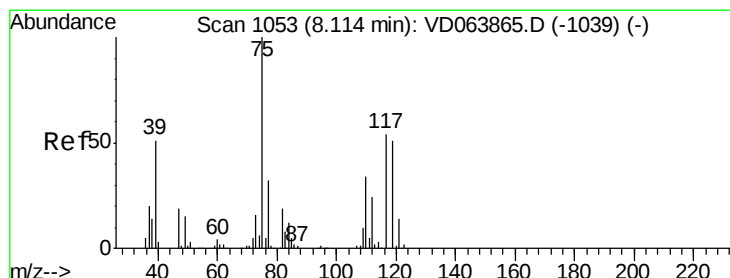
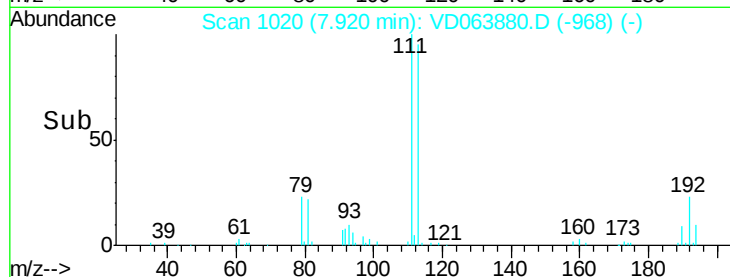
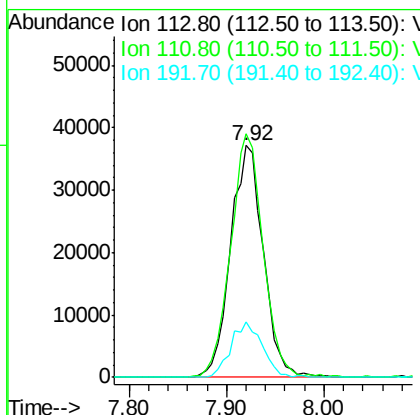
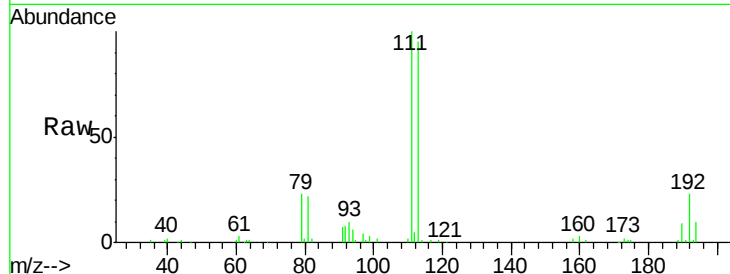
#35
 Dibromofluoromethane
 Concen: 45.634 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Instrument :
 MSVOA_D
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.6	123.8
192	23.2	17.1	25.7

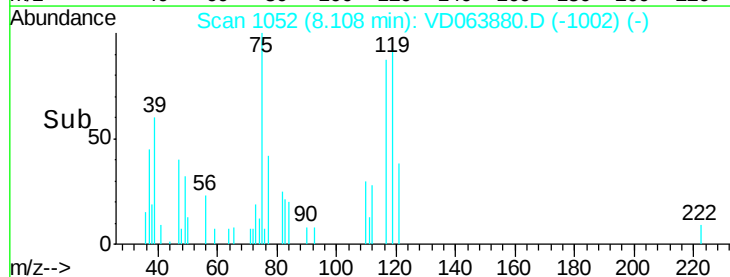
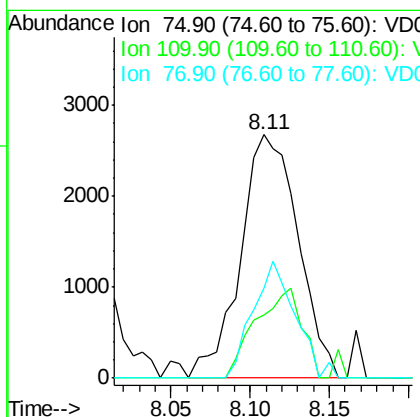
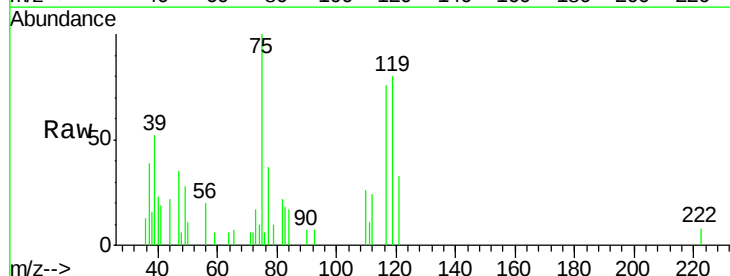
Manual Integrations
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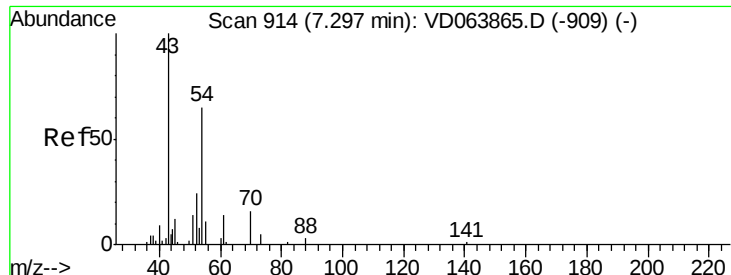
MMDadoda
 10/4/2019 4:31:35 PM



#36
 1,1-Dichloropropene
 Concen: 2.386 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.7	17.4	52.3
77	35.3	25.4	38.0





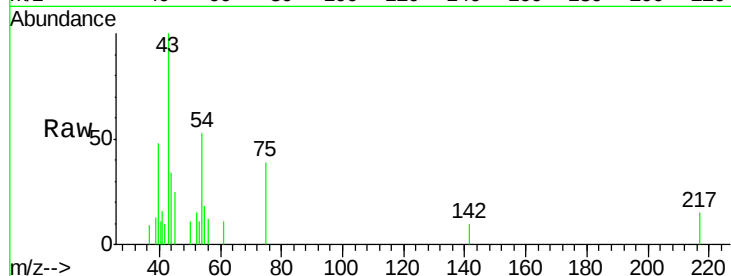
#37
Ethyl Acetate
Concen: 3.381 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.5	17.3
70	5.3	8.2	12.4

Manual Integrations
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10/4/2019 4:31:35 PM

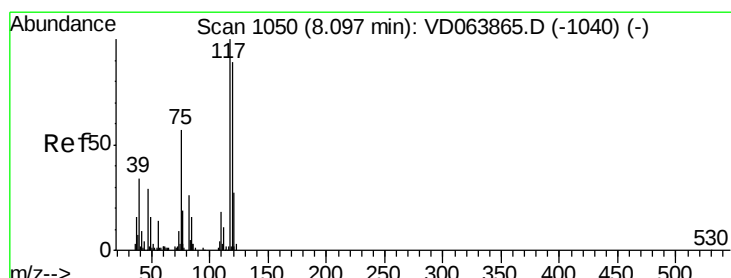
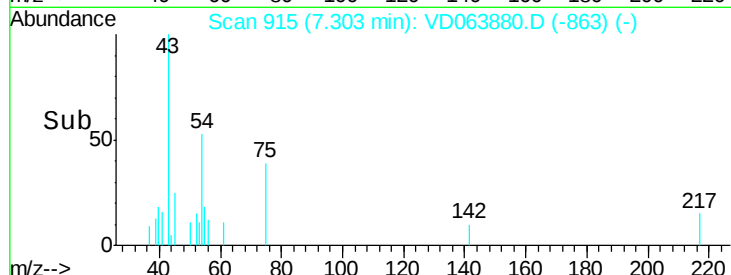
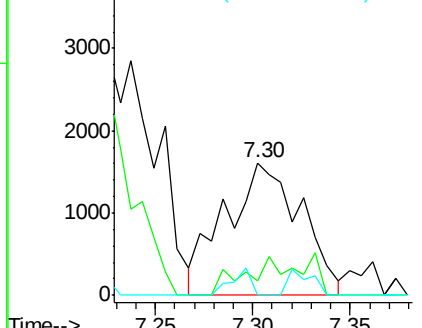


Abundance

Ion 43.00 (42.70 to 43.70): VDC

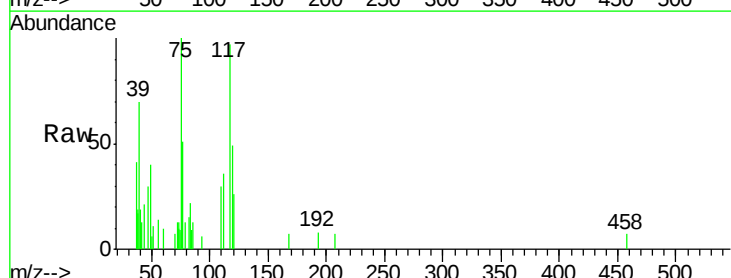
Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38
Carbon Tetrachloride
Concen: 2.280 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	50.2	70.8	106.2
121	26.9	21.4	32.0

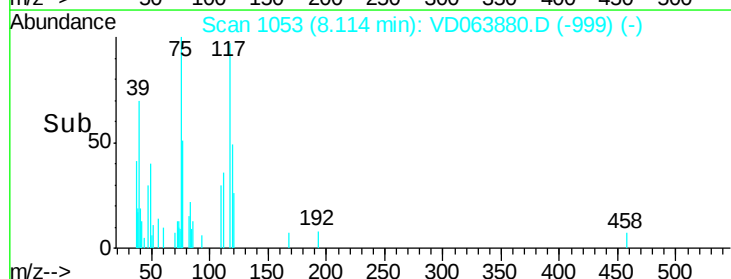
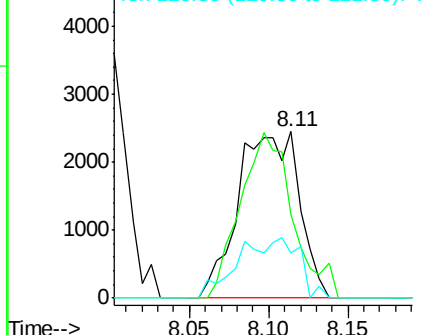


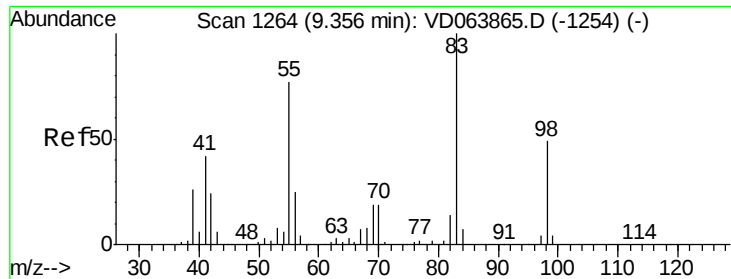
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





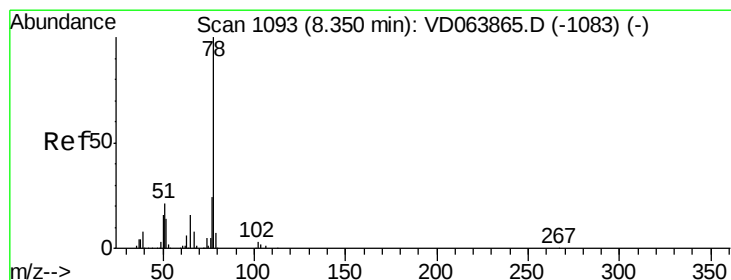
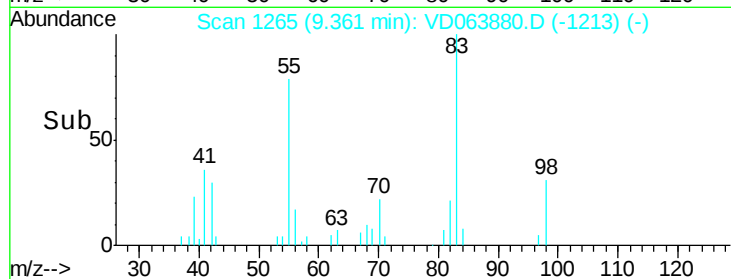
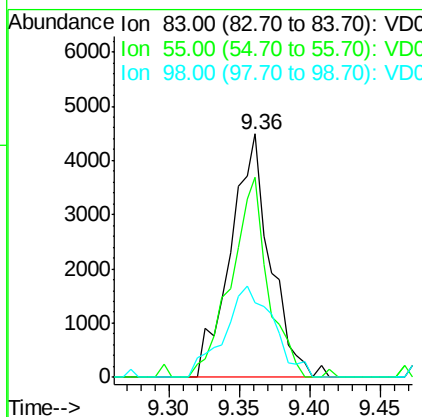
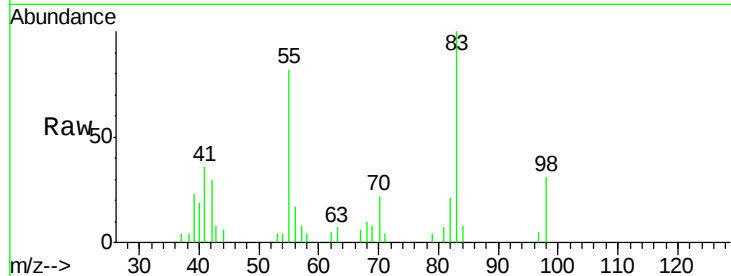
#39
Methvlcvclohexane
Concen: 2.523 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.1	61.3	91.9
98	30.7	39.3	58.9

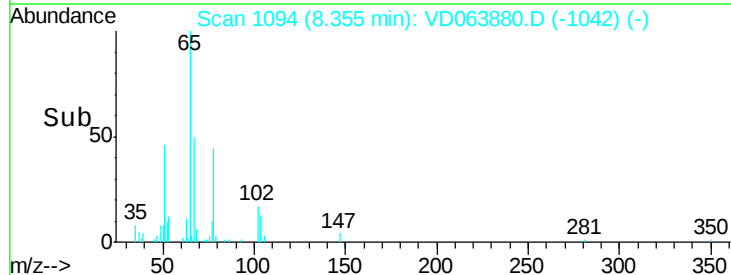
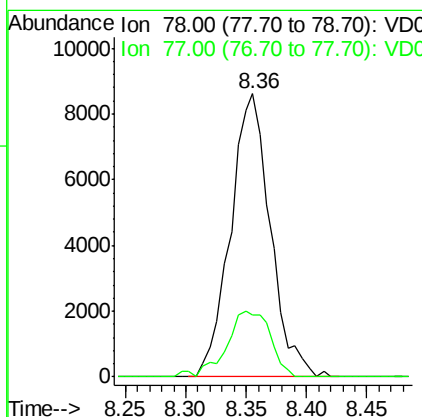
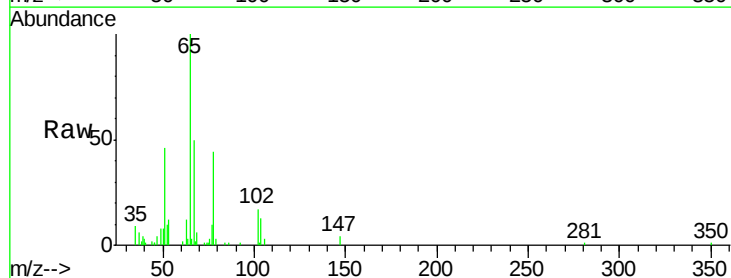
Manual Integrations
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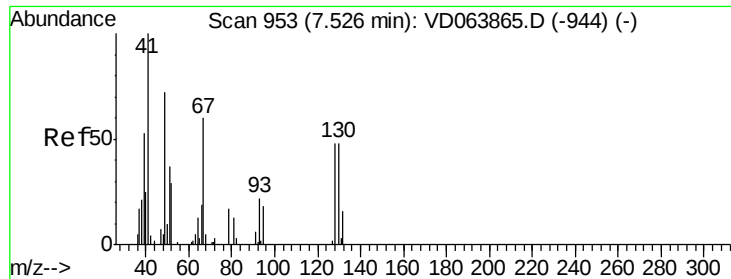
MMDadoda
10/4/2019 4:31:35 PM



#40
Benzene
Concen: 2.430 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.8	19.0	28.6





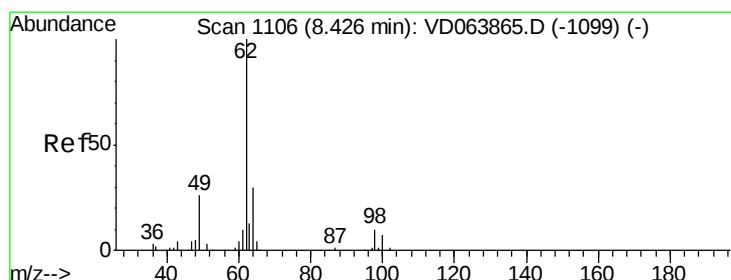
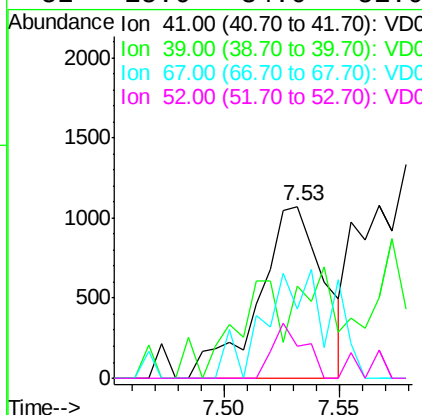
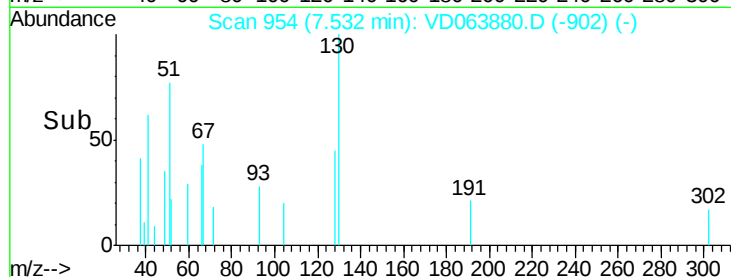
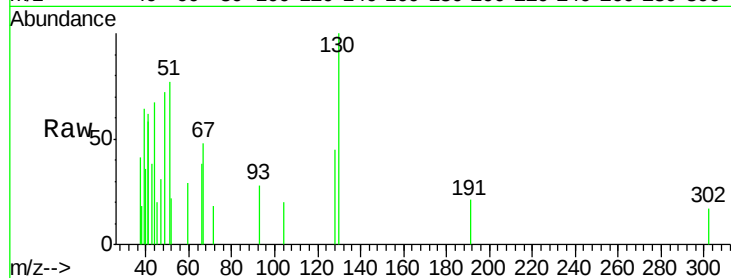
#41
Methacrylonitrile
Concen: 3.191 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.8	52.6	78.8#
67	64.0	74.2	111.2#
52	15.6	34.0	51.0#

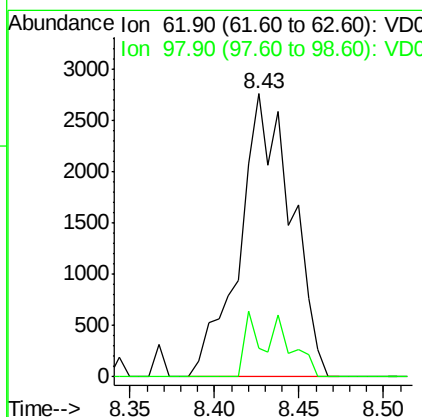
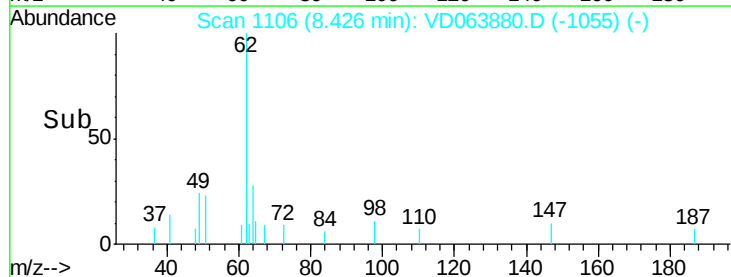
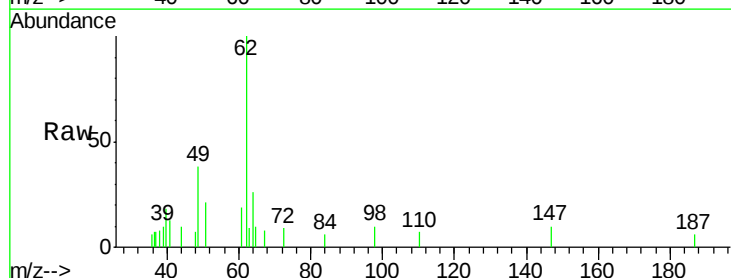
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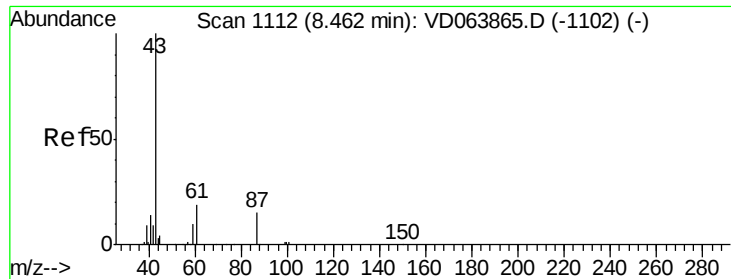
MMDadoda
10/4/2019 4:31:35 PM



#42
1,2-Dichloroethane
Concen: 2.508 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	20.0





#43

Isopropyl Acetate

Concen: 2.547 ug/l

RT: 8.47 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

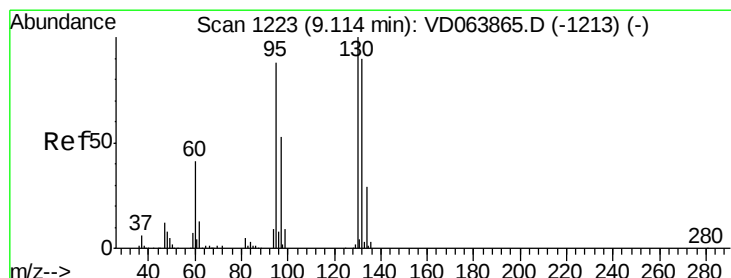
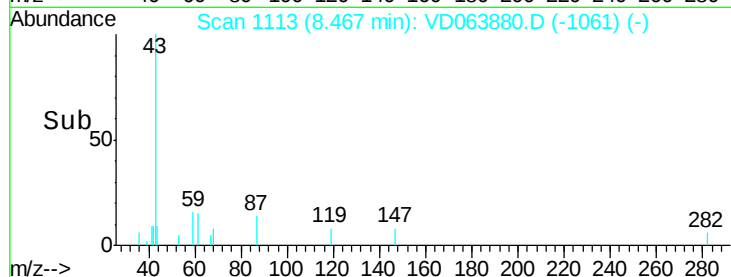
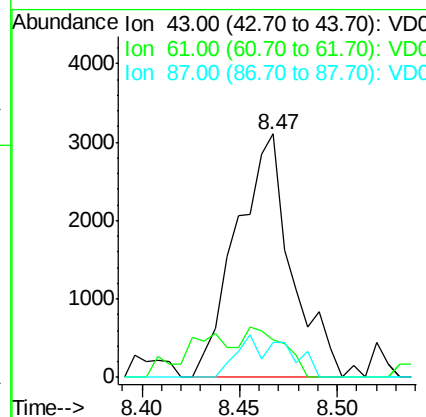
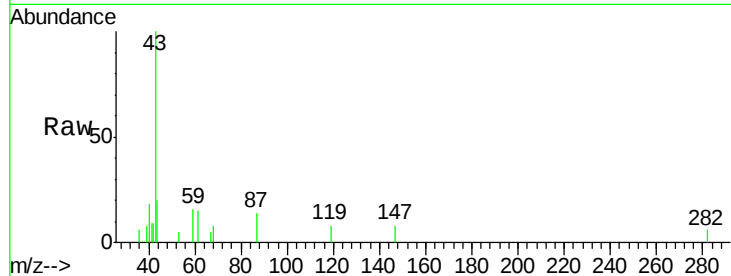
ClientSampleId :

MDL06

Tot Ion:	43	Resp:	6052
Ion	Ratio	Lower	Upper
43	100		
61	16.4	25.7	38.5#
87	7.7	11.6	17.4#

Manual Integrations
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#44

Trichloroethene

Concen: 2.461 ug/l

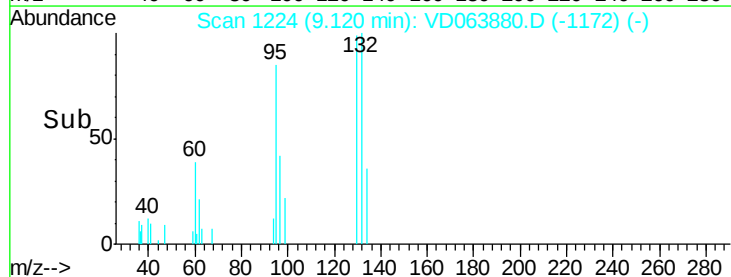
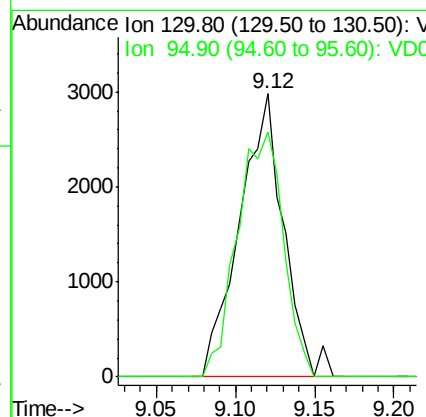
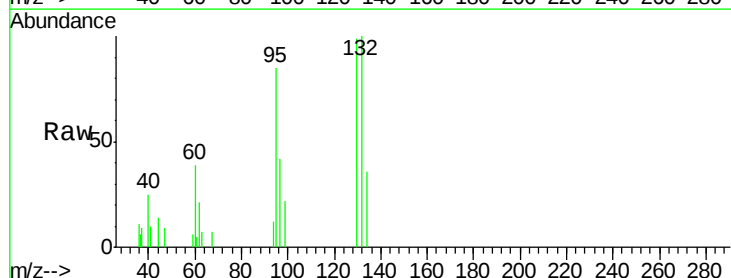
RT: 9.12 min Scan# 1224

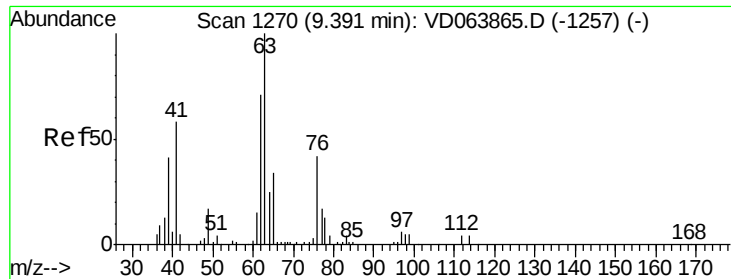
Delta R.T. 0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Tgt Ion:	130	Resp:	5762
Ion	Ratio	Lower	Upper
130	100		
95	86.4	0.0	175.6





#45

1,2-Dichloropropane

Concen: 2.558 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

MDL06

Tot Ion: 63 Resp: 5084

Ion Ratio Lower Upper

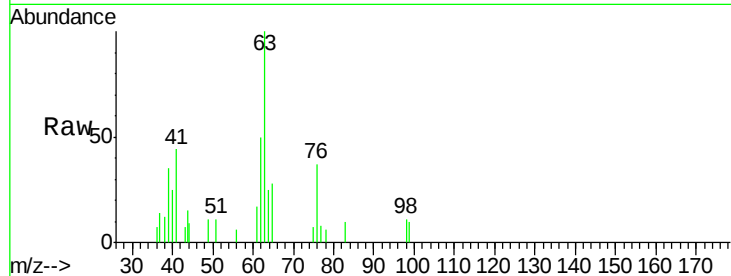
63 100

65 27.9 27.3 40.9

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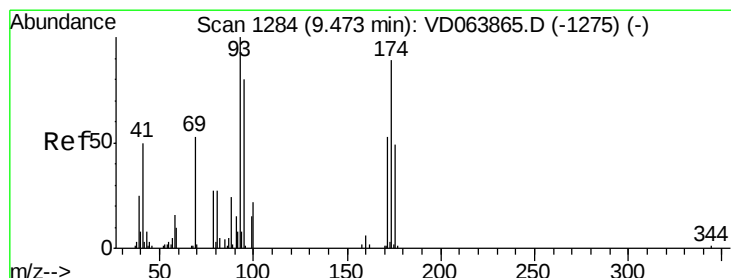
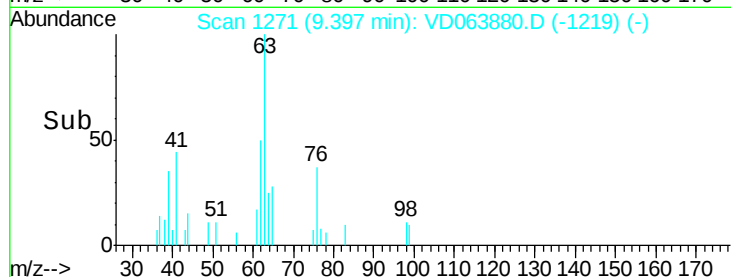
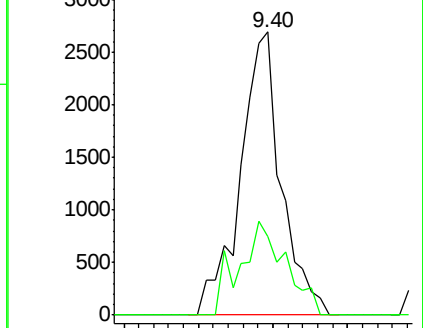
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 2.330 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

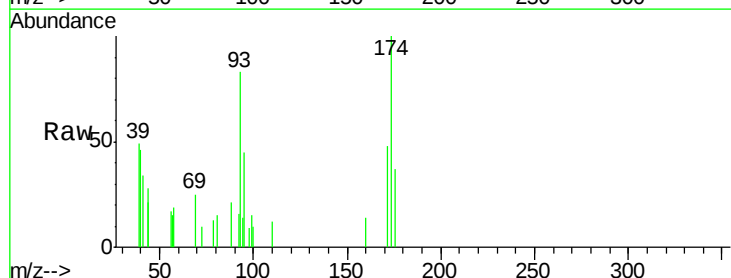
Tgt Ion: 93 Resp: 2637

Ion Ratio Lower Upper

93 100

95 80.4 66.0 99.0

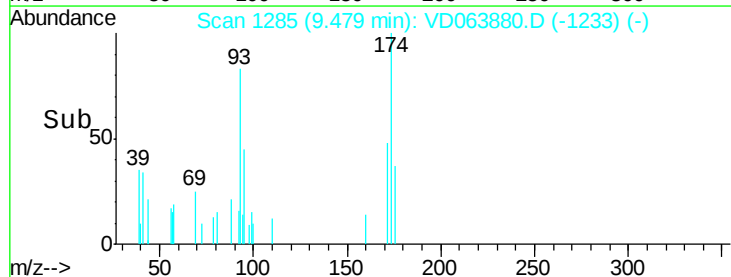
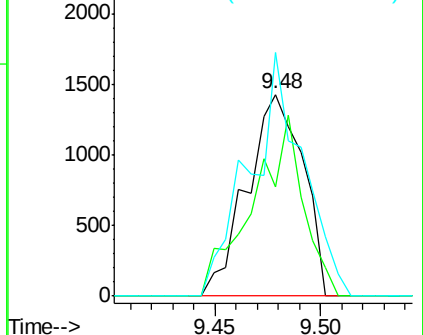
174 114.4 83.4 125.0

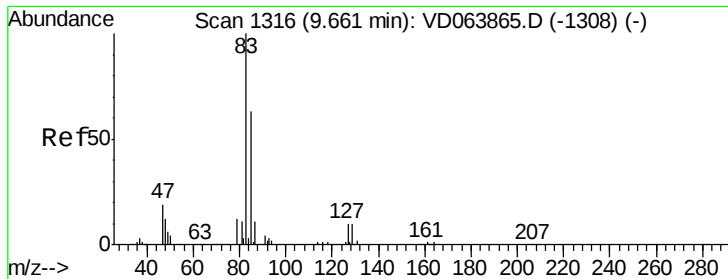


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 2.182 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

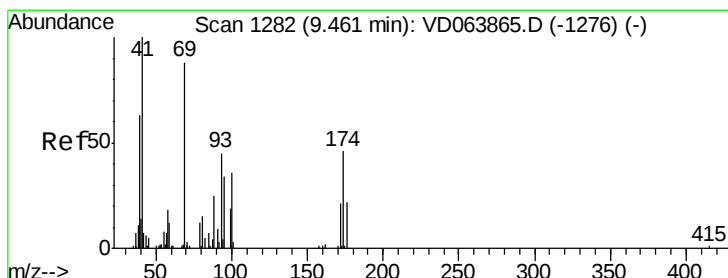
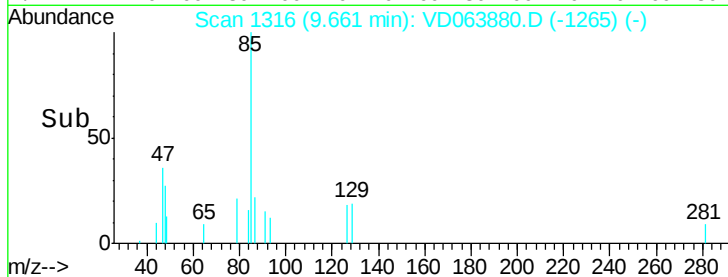
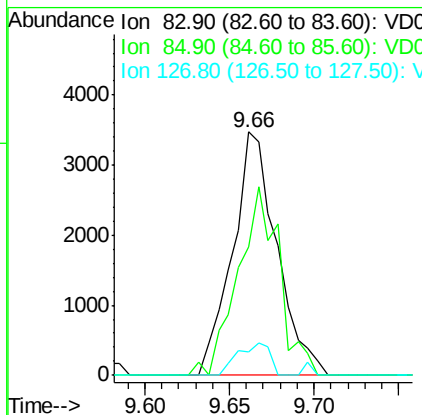
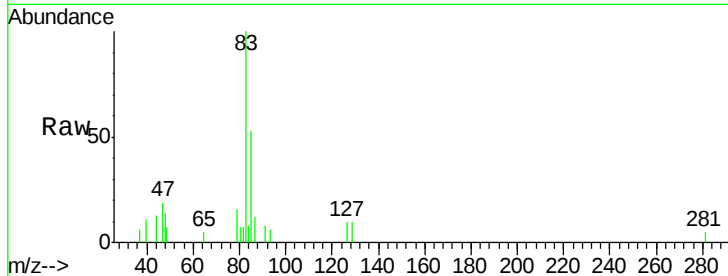
ClientSampleId :

MDL06

Tot Ion:	83	Resp:	6359
Ion	Ratio	Lower	Upper
83	100		
85	52.7	50.2	75.2
127	9.6	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 3.296 ug/l

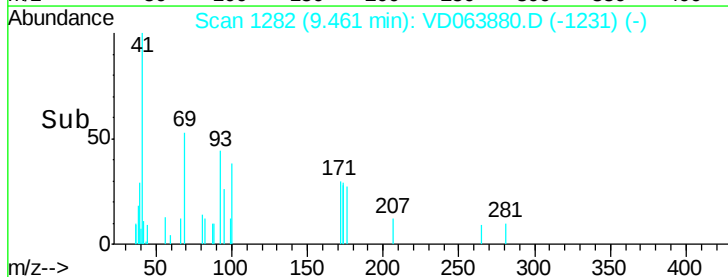
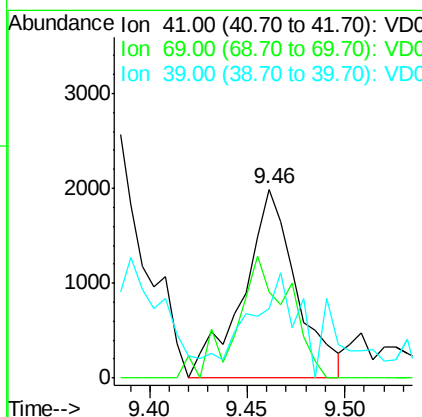
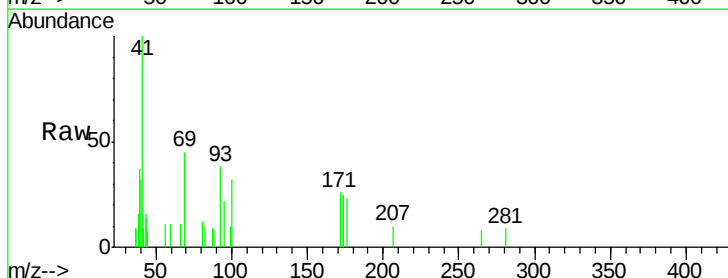
RT: 9.46 min Scan# 1282

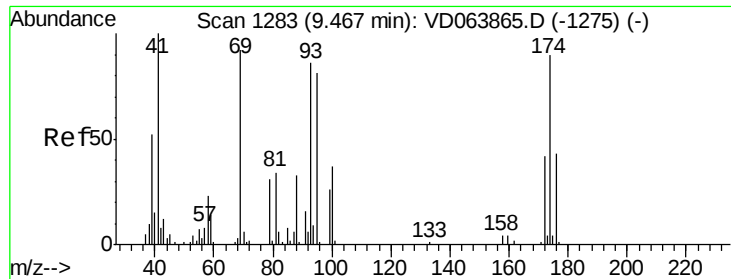
Delta R.T. -0.00 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Tgt Ion:	41	Resp:	3752
Ion	Ratio	Lower	Upper
41	100		
69	63.9	75.1	112.7#
39	51.6	50.2	75.2





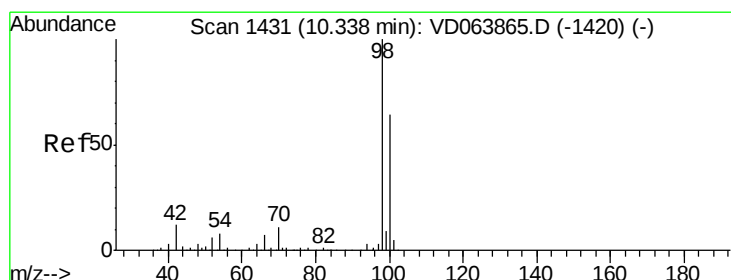
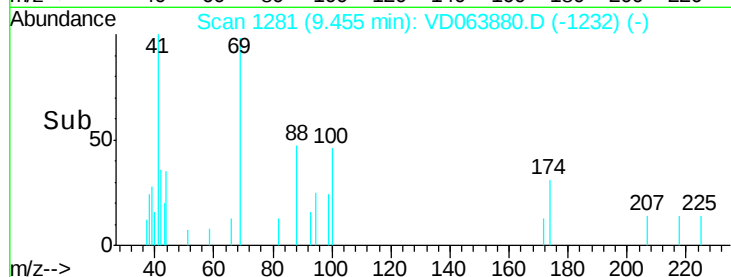
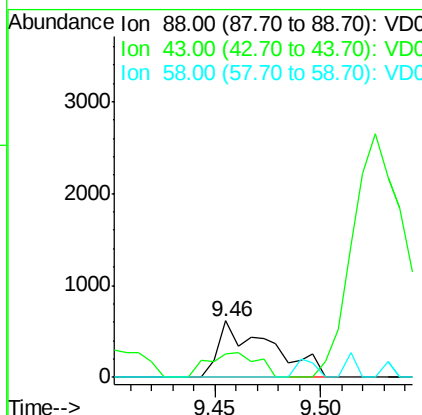
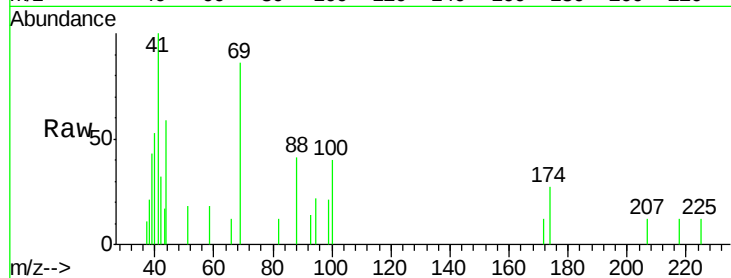
#49
1,4-Dioxane
Concen: 67.511 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.3	27.6	41.4#
58	0.0	54.1	81.1#

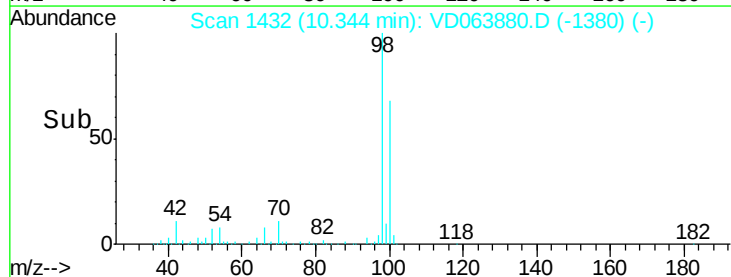
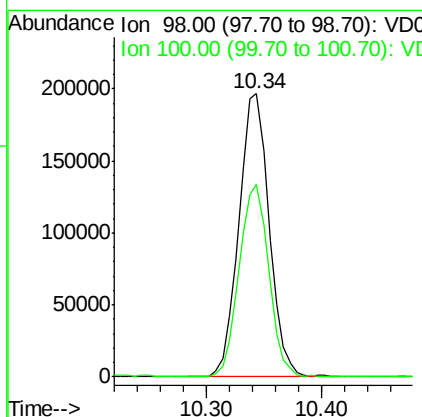
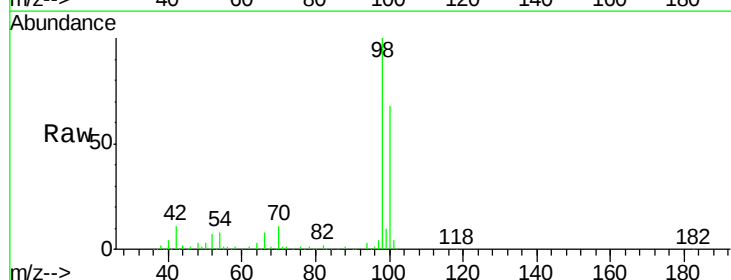
Manual Integrations
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#50
Toluene-d8
Concen: 46.691 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 12.782 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 15751

Ion Ratio Lower Upper

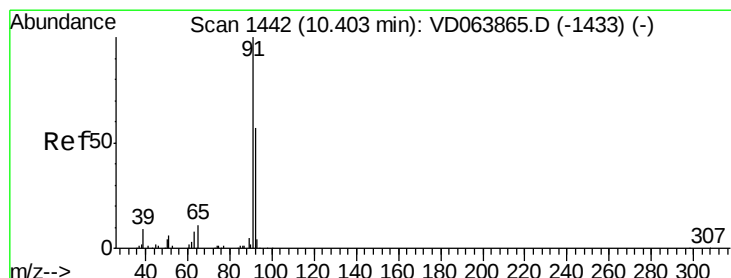
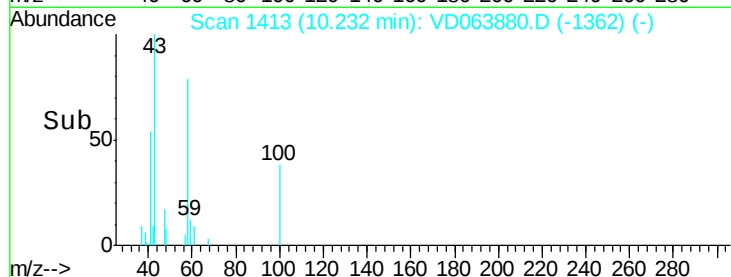
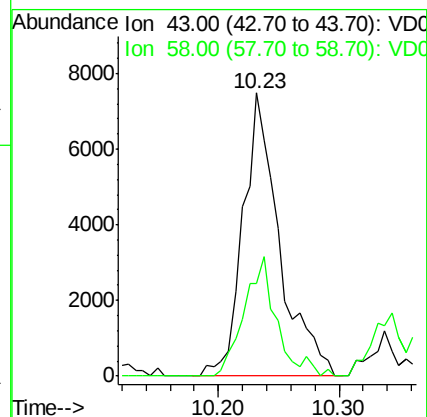
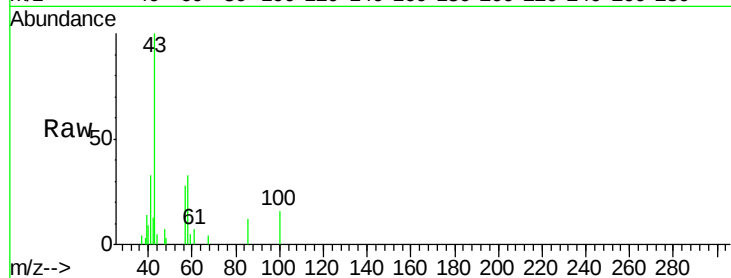
43 100

58 37.6 33.0 49.4

Manual Integrations
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10/4/2019 4:31:35 PM



#52

Toluene

Concen: 2.509 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063880.D

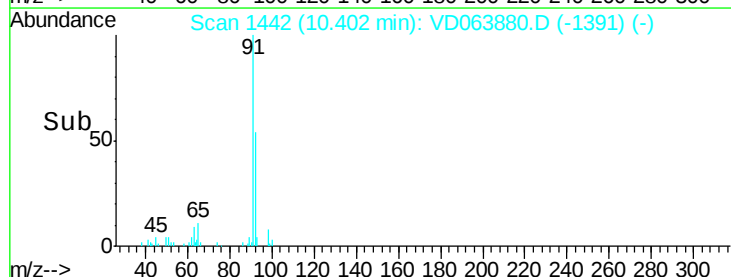
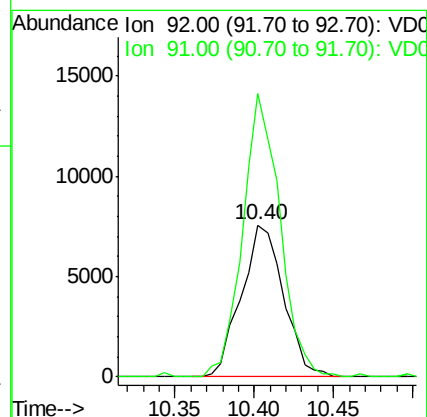
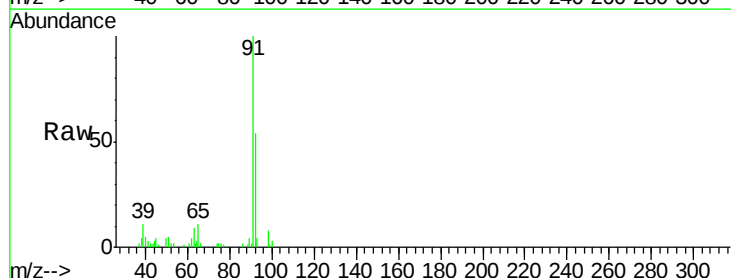
Acq: 03 Oct 2019 17:21

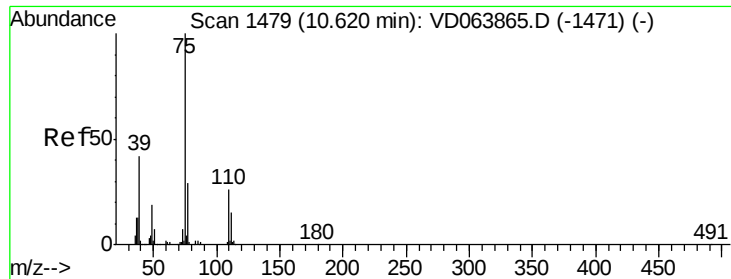
Tgt Ion: 92 Resp: 13986

Ion Ratio Lower Upper

92 100

91 164.3 139.5 209.3





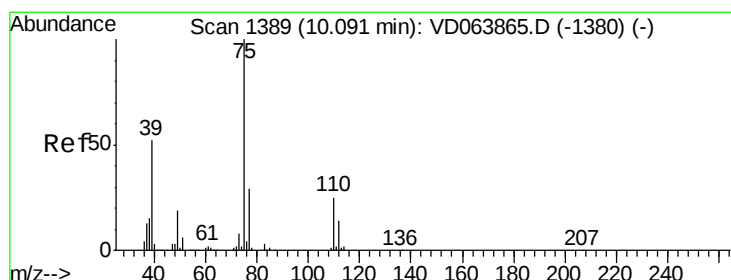
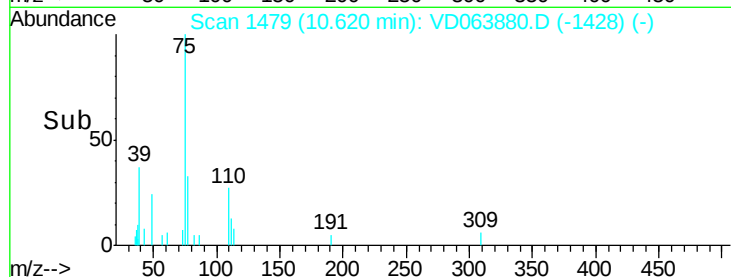
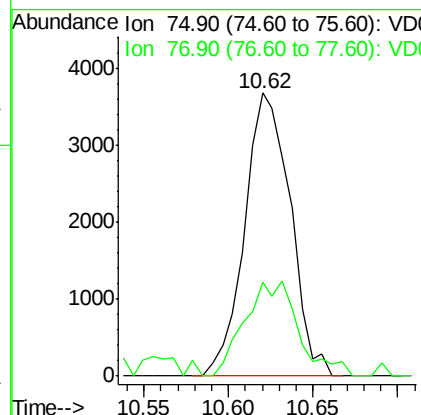
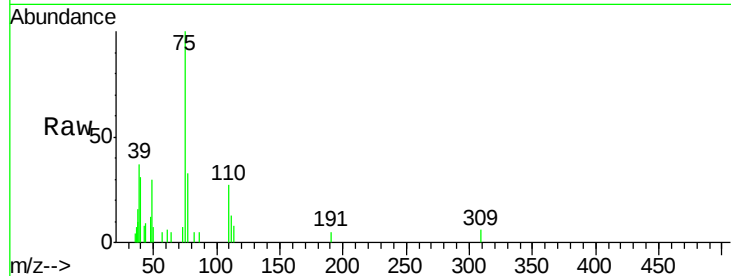
#53
t-1,3-Dichloropropene
Concen: 2.431 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion: 75 Resp: 6914
Ion Ratio Lower Upper
75 100
77 28.1 22.8 34.2

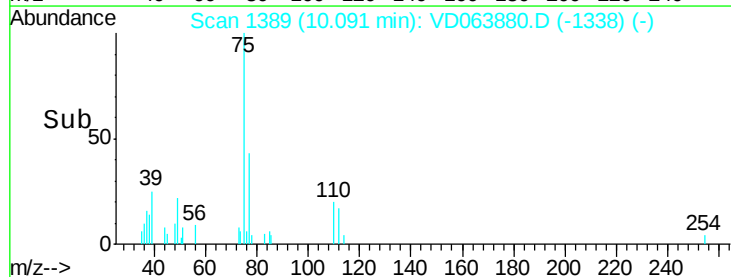
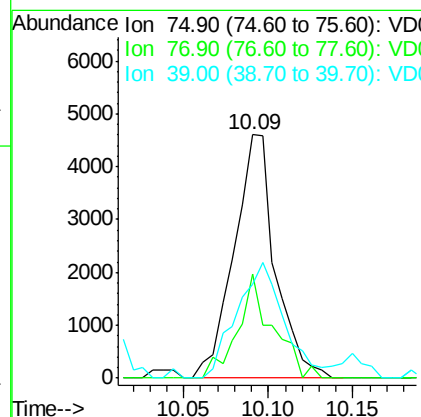
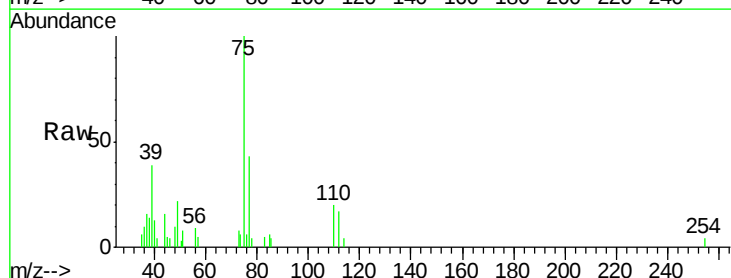
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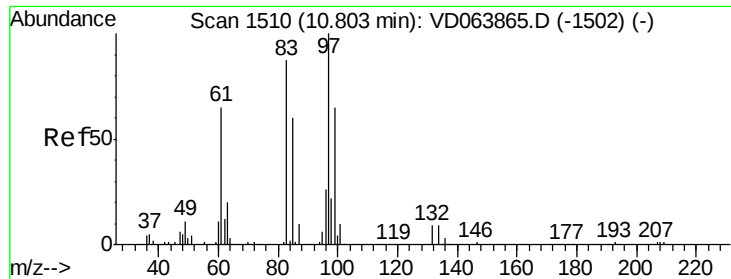
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#54
cis-1,3-Dichloropropene
Concen: 2.396 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion: 75 Resp: 7843
Ion Ratio Lower Upper
75 100
77 42.9 23.2 34.8#
39 38.8 41.5 62.3#





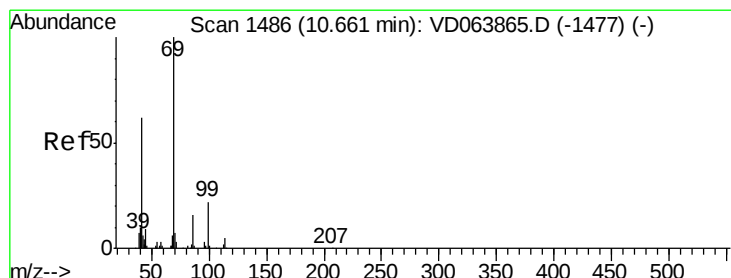
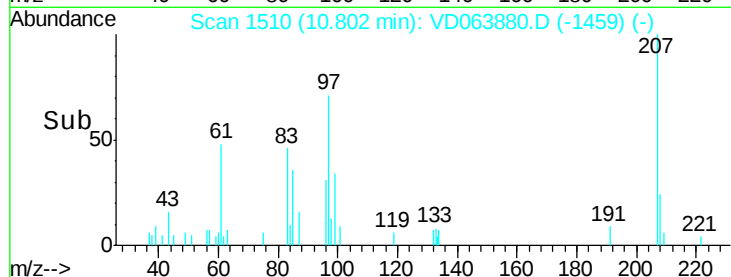
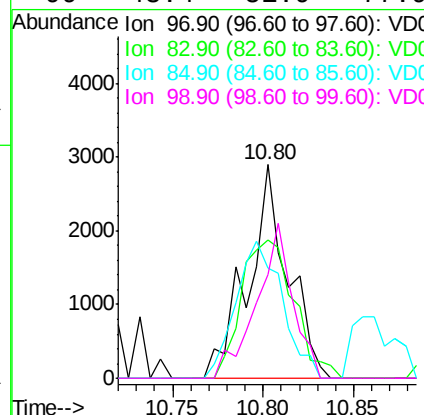
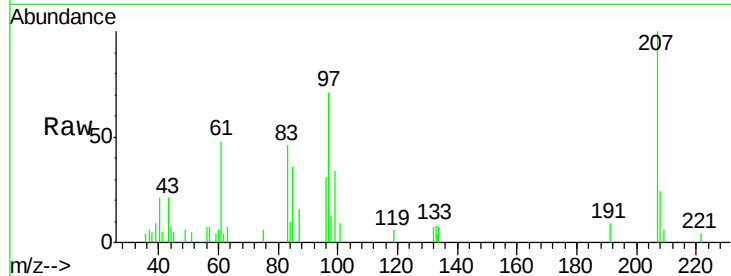
#55
 1,1,2-Trichloroethane
 Concen: 2.775 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL06

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		4435		
83	64.7	69.7	104.5#		
85	51.7	48.1	72.1		
99	48.4	51.9	77.9#		

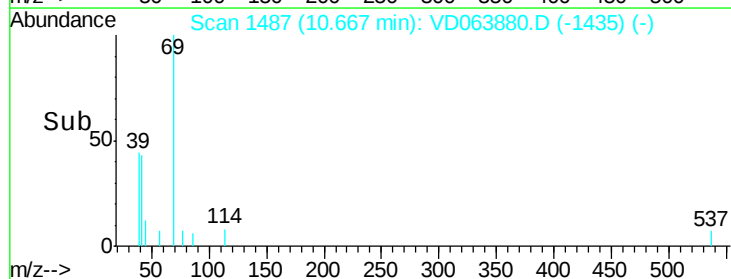
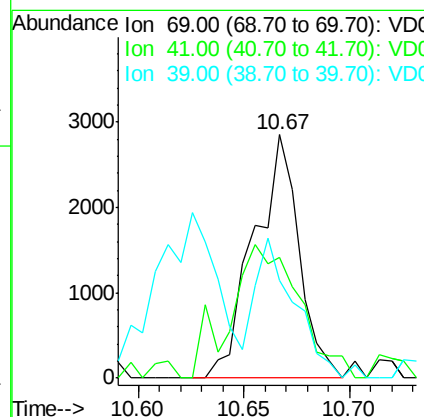
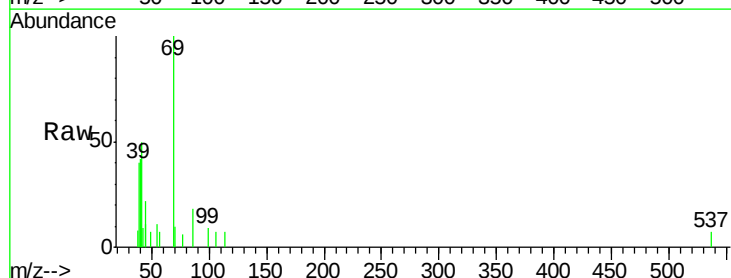
Manual Integrations
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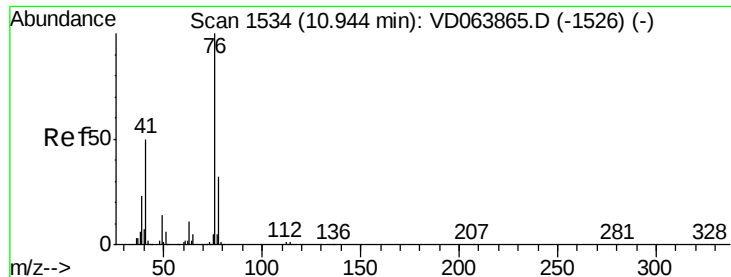
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#56
 Ethyl methacrylate
 Concen: 2.089 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		4228		
41	83.5	51.3	76.9#		
39	51.6	28.0	42.0#		





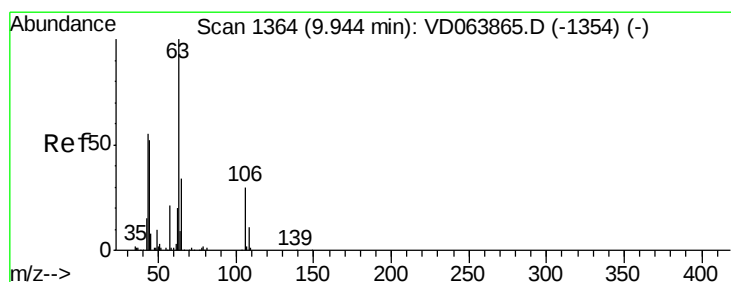
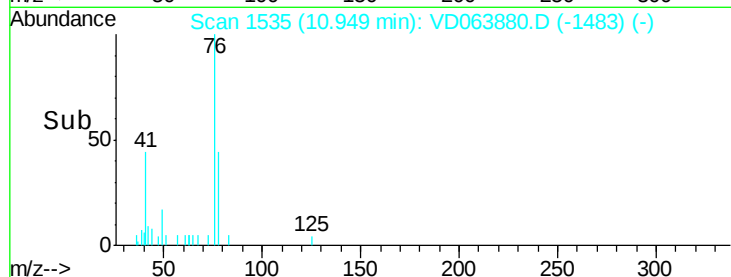
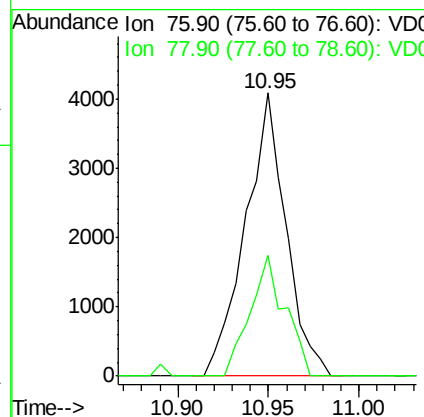
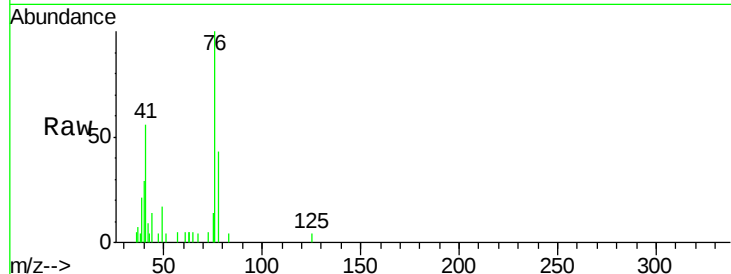
#57
 1,3-Dichloropropane
 Concen: 2.326 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
76	100		
78	36.5	26.6	40.0

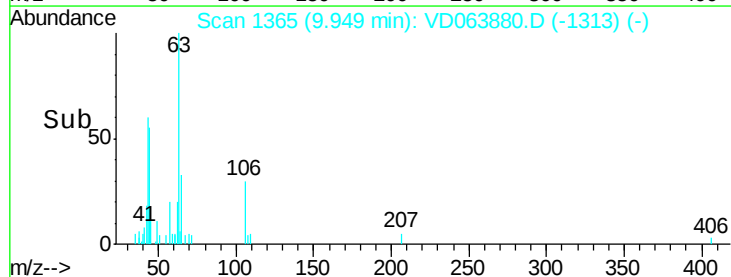
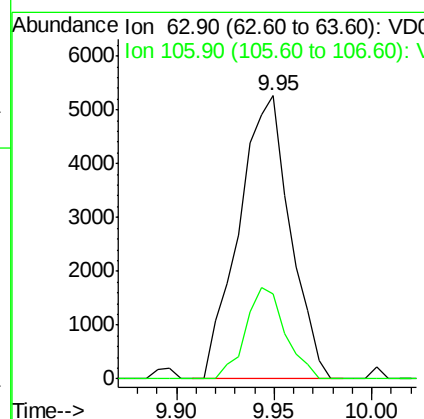
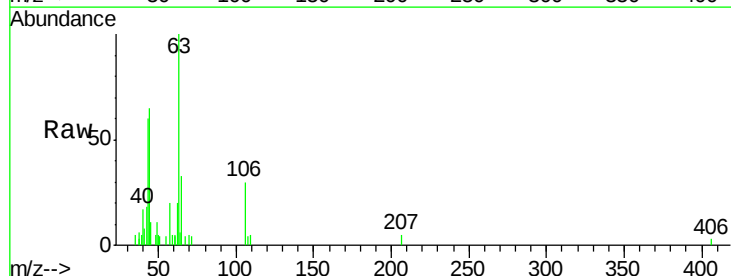
Manual Integrations
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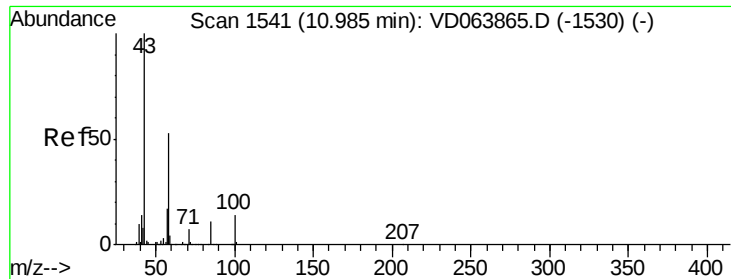
MMDadoda
 10/4/2019 4:31:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 11.033 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	24.3	36.5





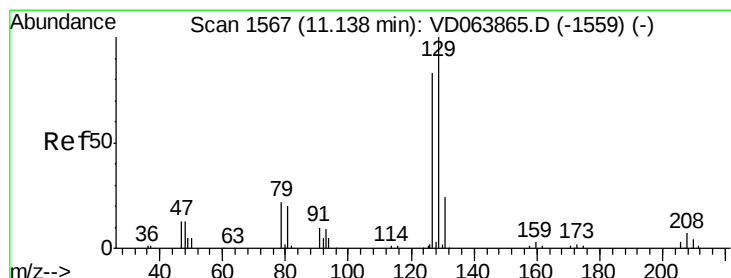
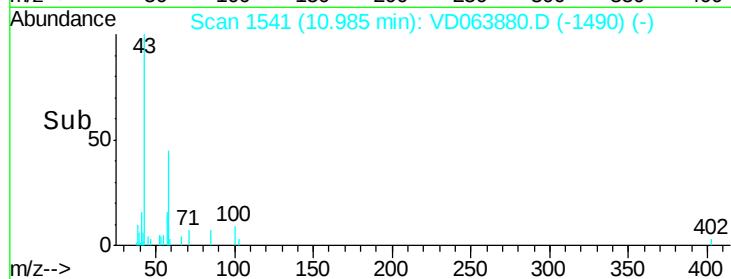
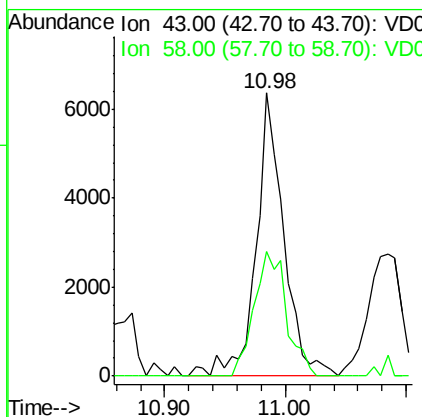
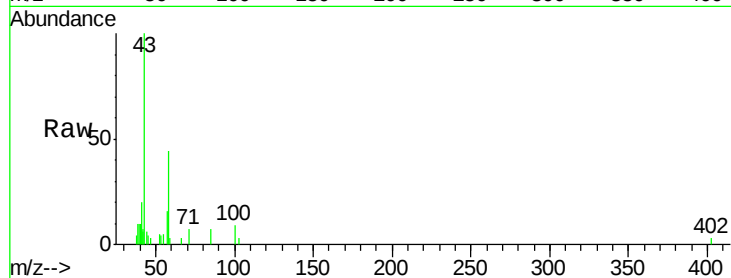
#59
2-Hexanone
Concen: 11.395 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion: 43 Resp: 10158
Ion Ratio Lower Upper
43 100
58 51.4 27.7 83.0

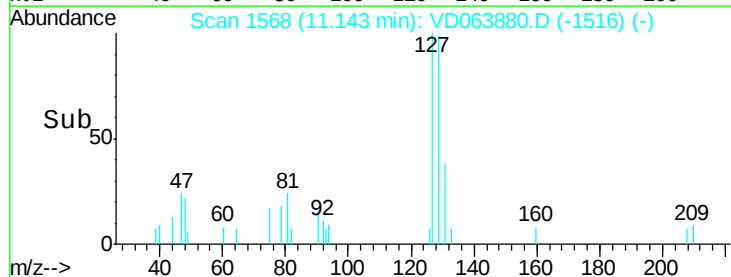
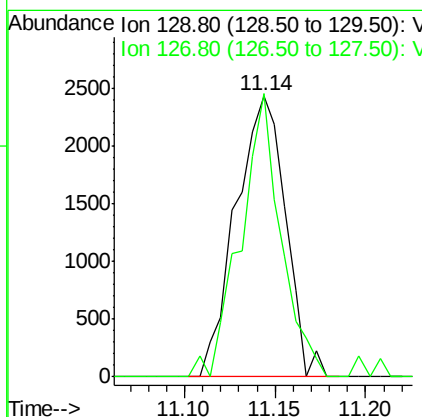
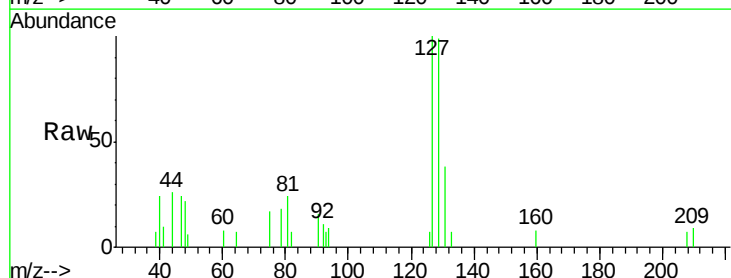
Manual Integrations
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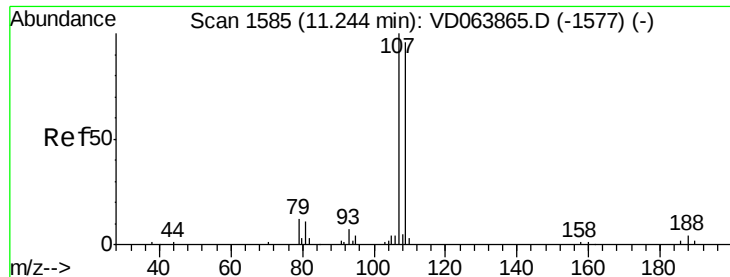
MMDadoda
10/4/2019 4:31:35 PM



#60
Dibromochloromethane
Concen: 2.214 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion: 129 Resp: 4606
Ion Ratio Lower Upper
129 100
127 82.1 39.9 119.6





#61

1,2-Dibromoethane

Concen: 2.256 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

ClientSampled :

MDL06

Tot Ion: 107 Resp: 3495

Ion Ratio Lower Upper

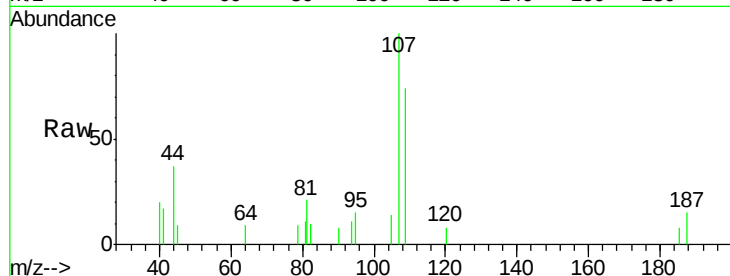
107 100

109 106.3 75.2 112.8

Manual Integrations
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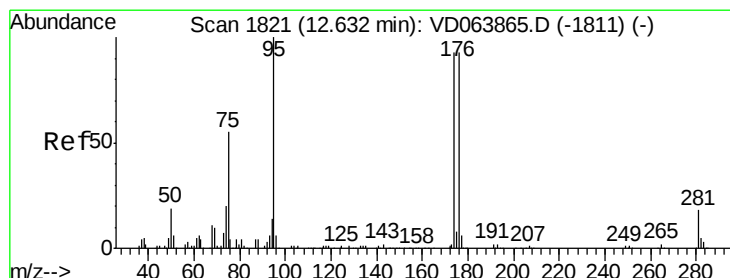
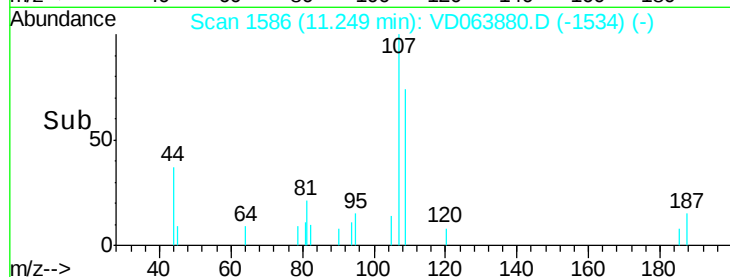
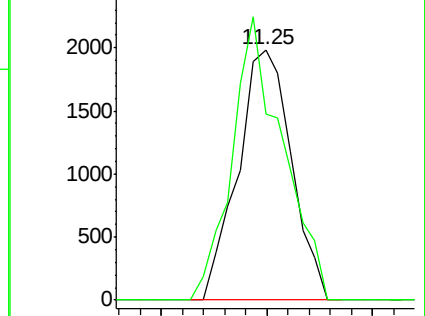
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.200 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

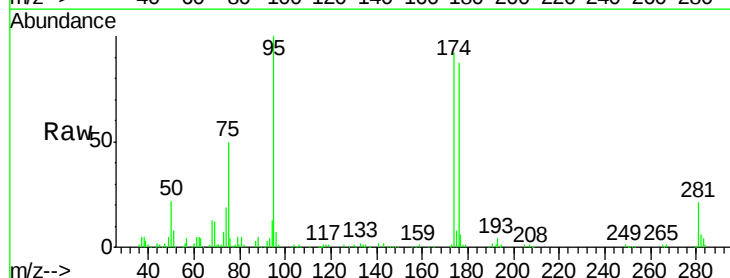
Tgt Ion: 95 Resp: 115389

Ion Ratio Lower Upper

95 100

174 93.6 0.0 186.4

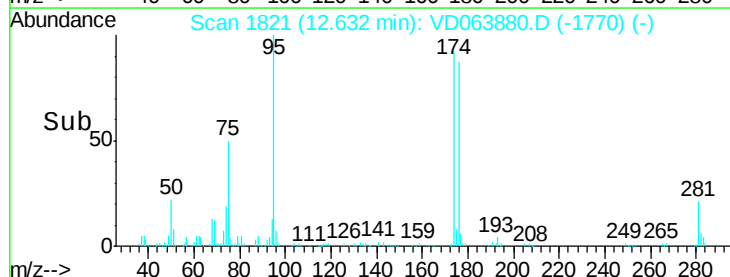
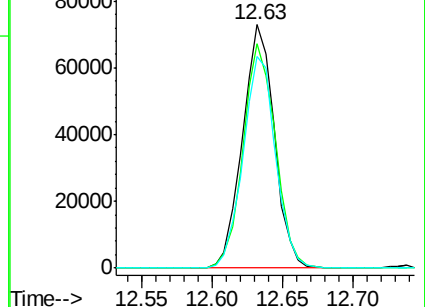
176 88.8 0.0 184.2



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





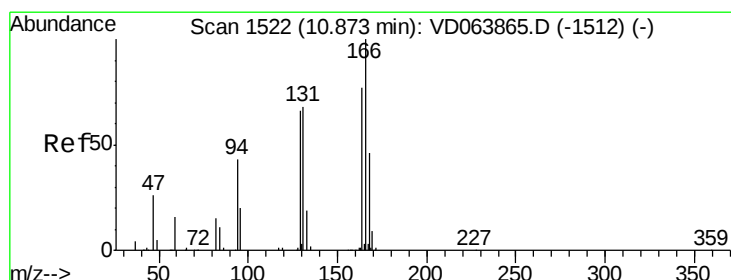
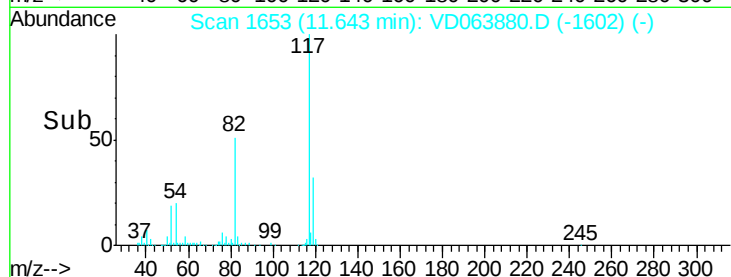
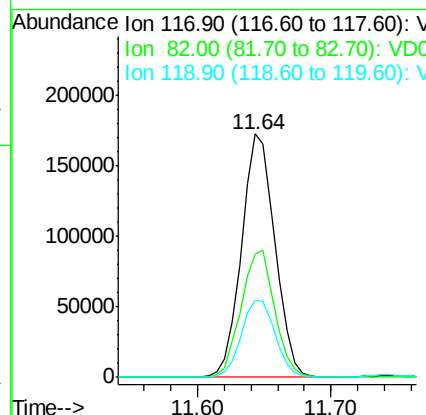
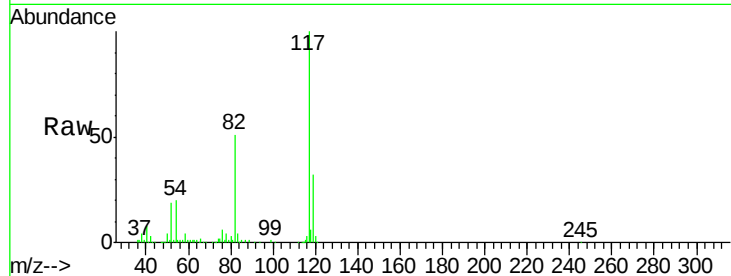
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion	Ratio	Resp	Lower	Upper
117	100	297370		
82	50.7	42.8	64.2	
119	31.9	24.4	36.6	

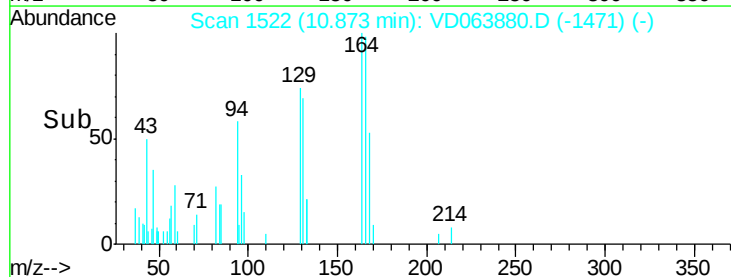
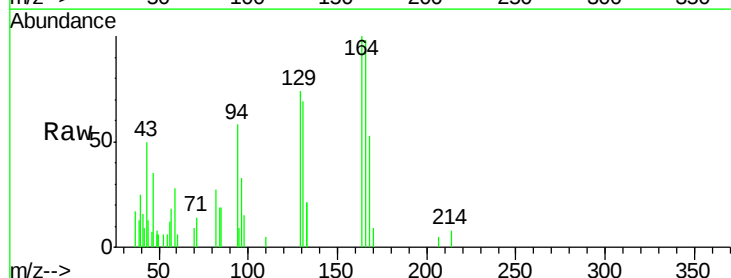
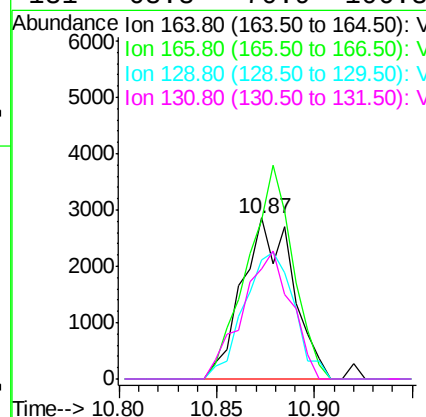
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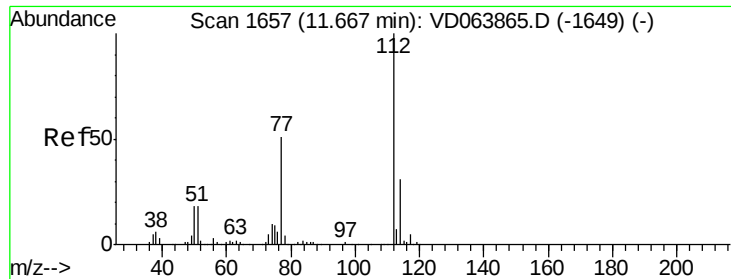
MMDadoda
10/4/2019 4:31:35 PM



#64
Tetrachloroethene
Concen: 2.530 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5137		
166	98.5	103.8	155.6#	
129	73.7	68.9	103.3	
131	68.8	70.9	106.3#	





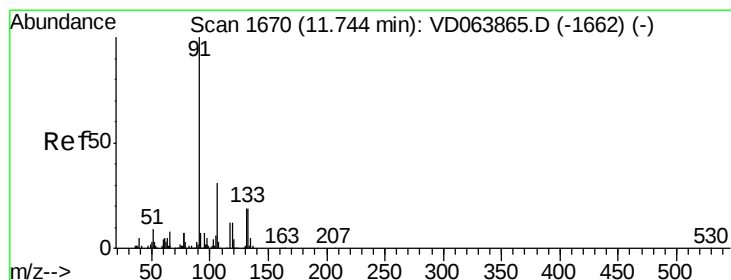
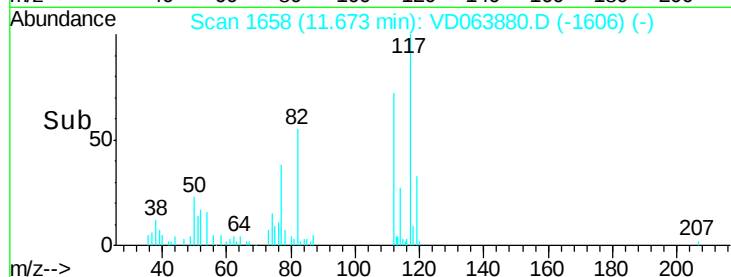
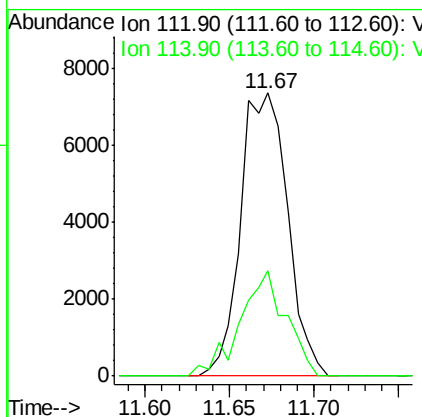
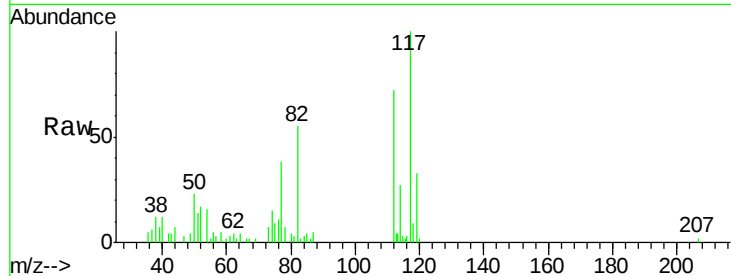
#65
Chlorobenzene
Concen: 2.377 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion:112 Resp: 14194
Ion Ratio Lower Upper
112 100
114 37.3 25.1 37.7

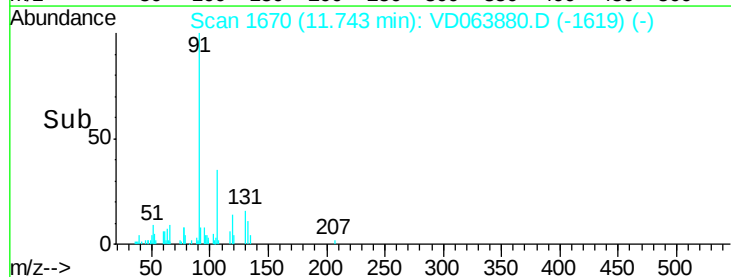
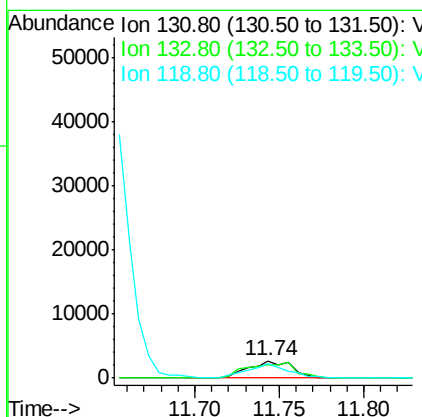
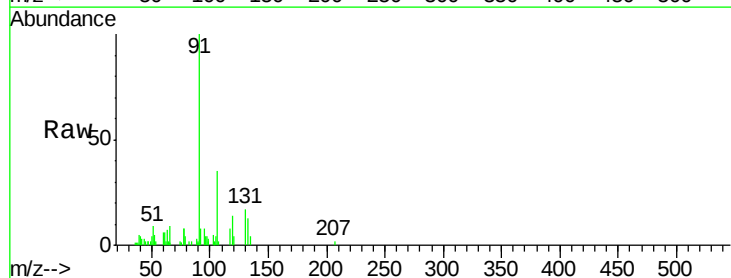
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 2.211 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion:131 Resp: 4866
Ion Ratio Lower Upper
131 100
133 96.2 48.9 146.7
119 76.0 32.6 97.8





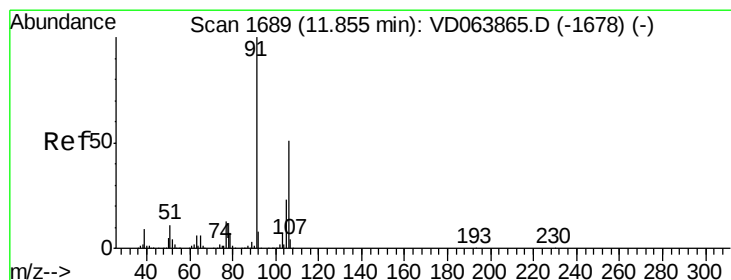
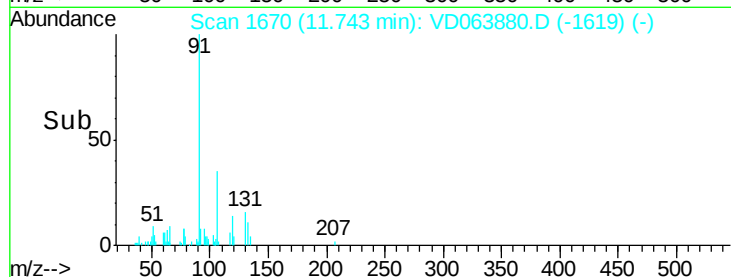
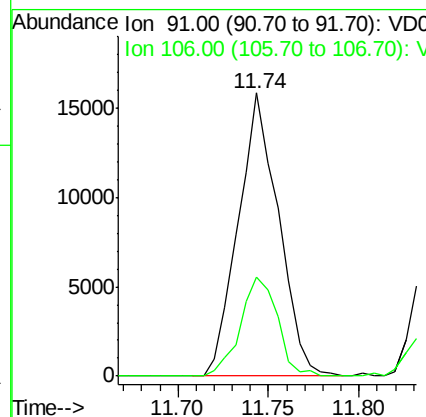
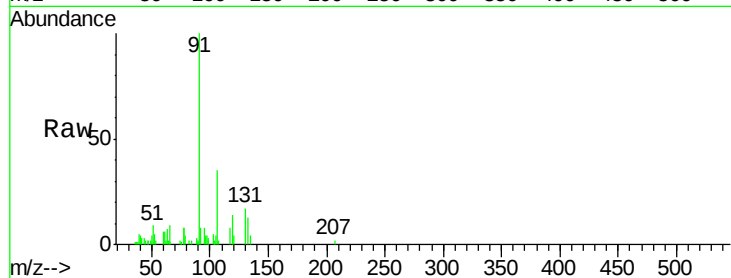
#67
Ethyl Benzene
Concen: 2.272 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion: 91 Resp: 24466
Ion Ratio Lower Upper
91 100
106 35.2 24.6 37.0

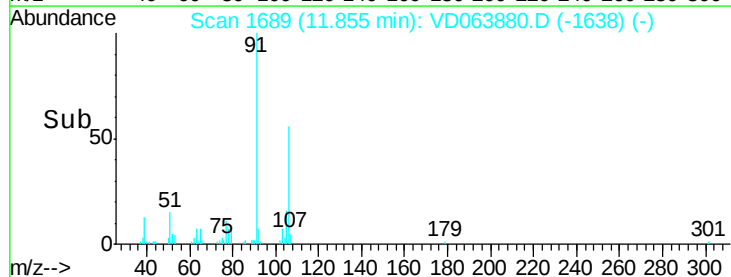
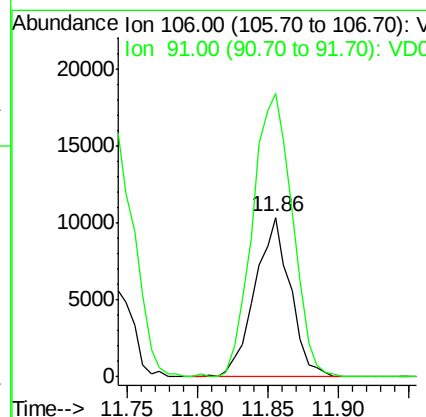
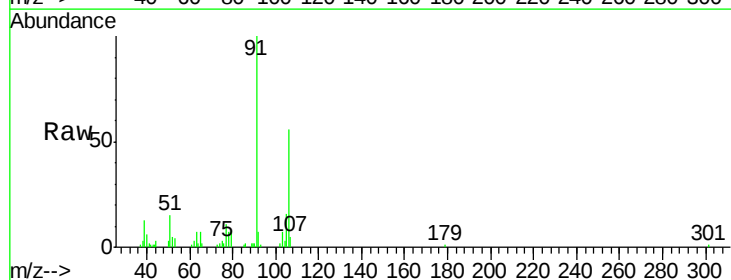
Manual Integrations
APPROVED

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#68
m/p-Xylenes
Concen: 4.411 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion: 106 Resp: 18335
Ion Ratio Lower Upper
106 100
91 198.3 154.8 232.2





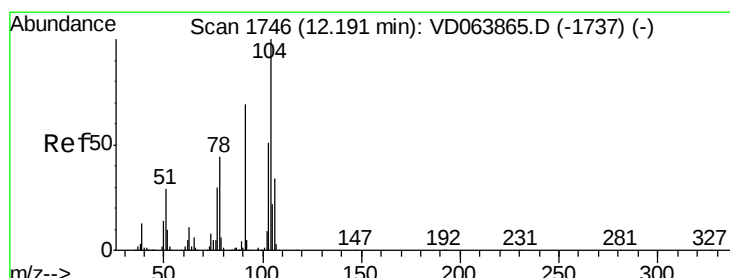
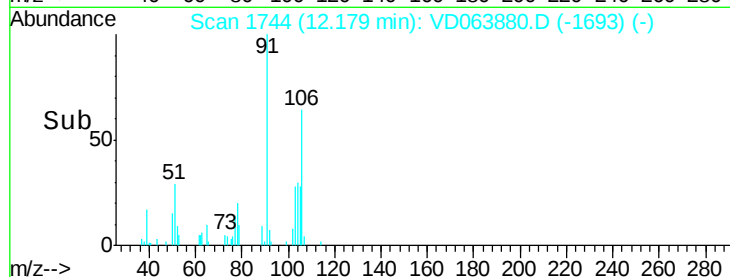
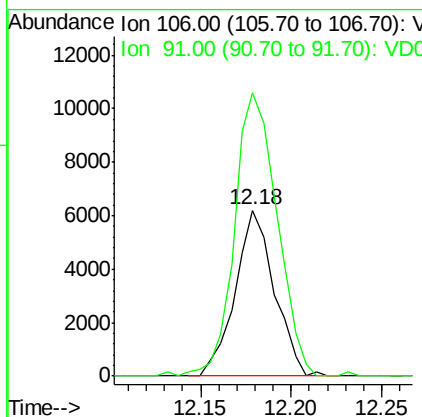
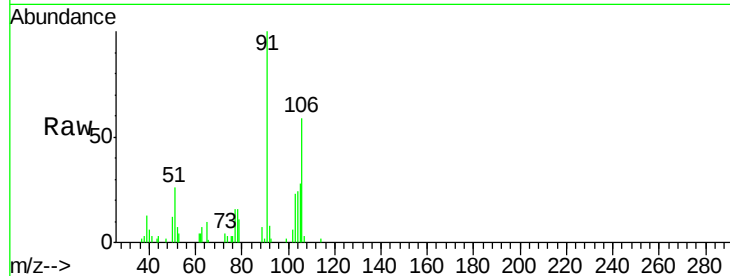
#69
o-Xylene
Concen: 2.333 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	186.2	103.9	311.7	

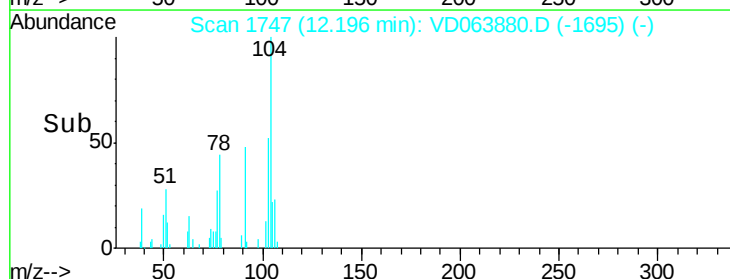
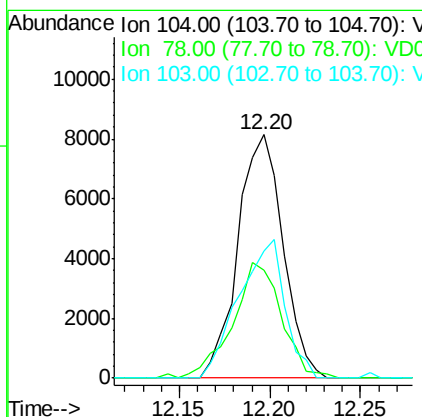
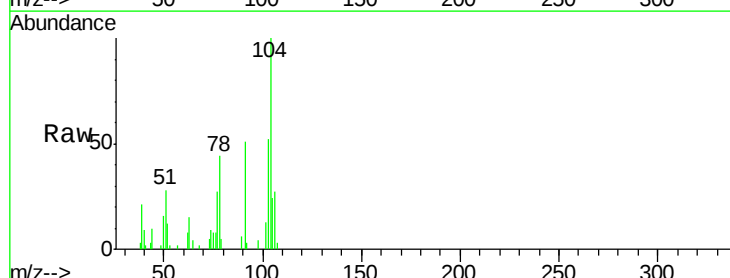
Manual Integrations
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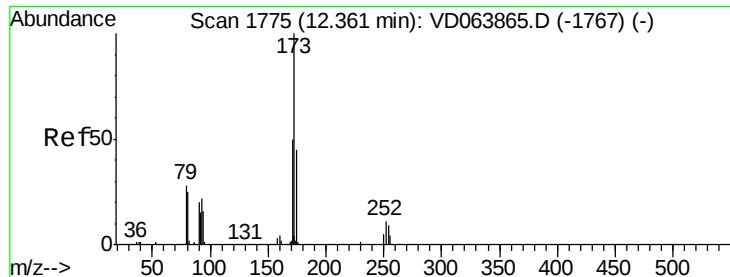
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#70
Styrene
Concen: 2.090 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.8	37.0	55.4	
103	58.3	44.2	66.4	





#71

Bromoform

Concen: 2.182 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

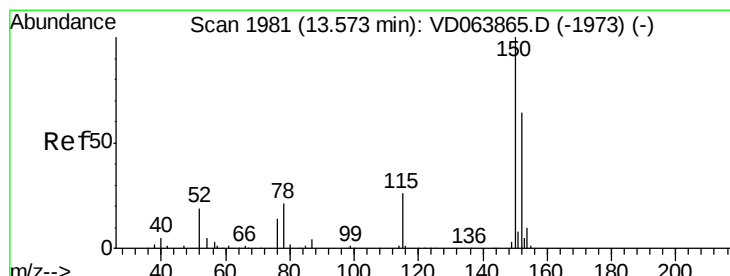
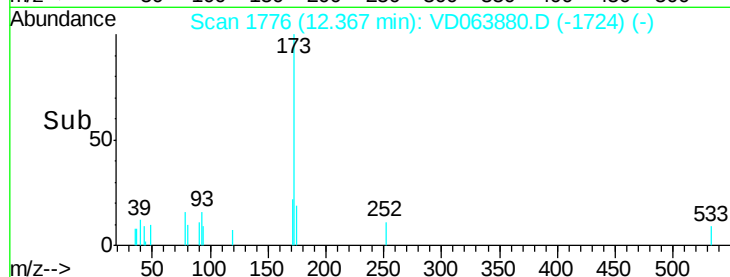
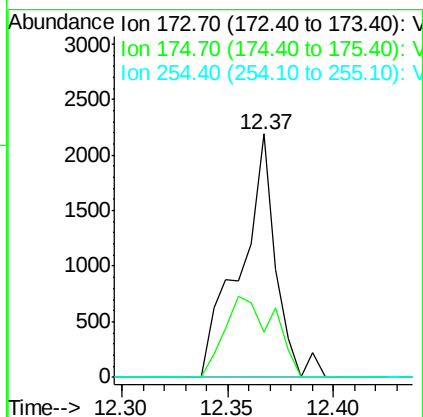
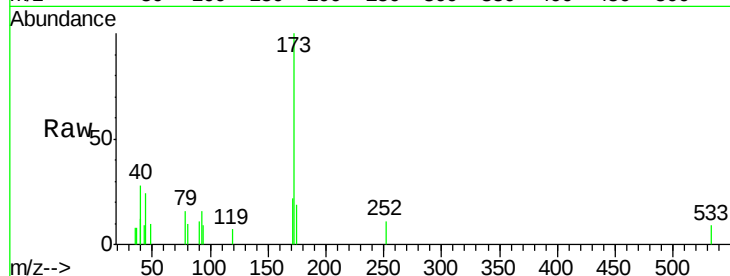
ClientSampleId :

MDL06

Tot Ion:	173	Resp:	2577
Ion	Ratio	Lower	Upper
173	100		
175	45.8	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

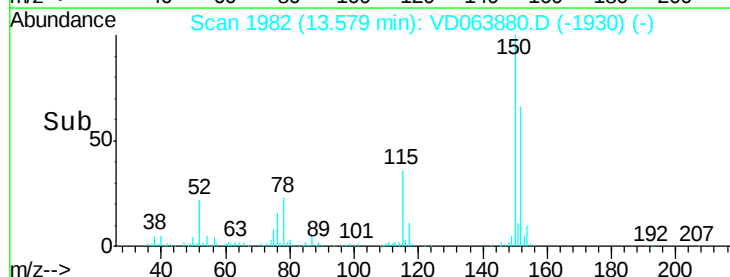
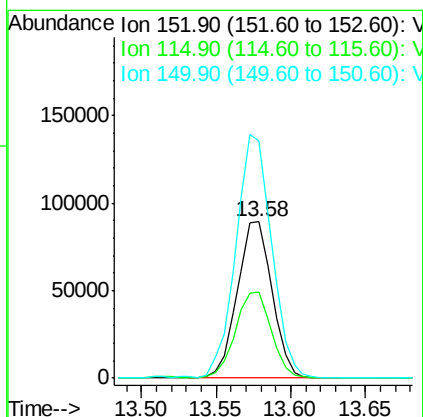
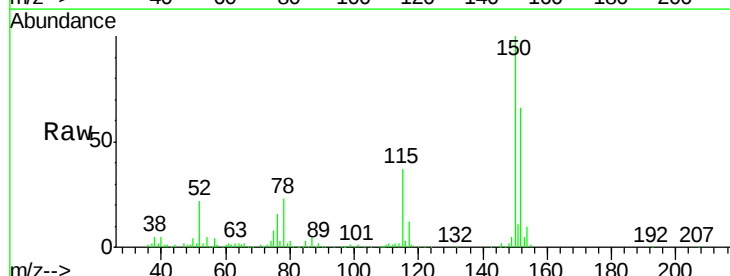
RT: 13.58 min Scan# 1982

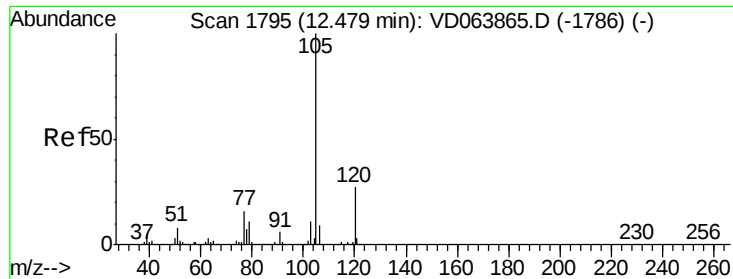
Delta R.T. 0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Tgt Ion:	152	Resp:	145230
Ion	Ratio	Lower	Upper
152	100		
115	56.6	25.9	77.7
150	159.9	0.0	344.2





#73

Isopropylbenzene

Concen: 2.285 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

MDL06

Tot Ion: 105 Resp: 22308

Ion Ratio Lower Upper

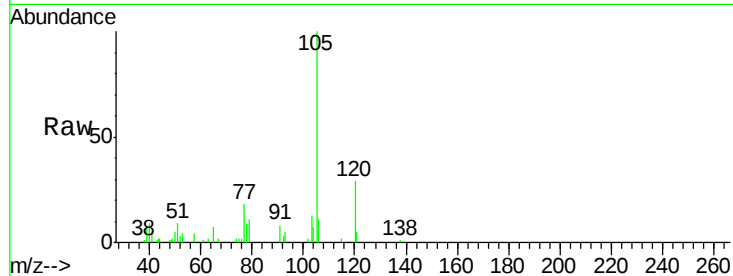
105 100

120 29.8 13.3 39.8

Manual Integrations
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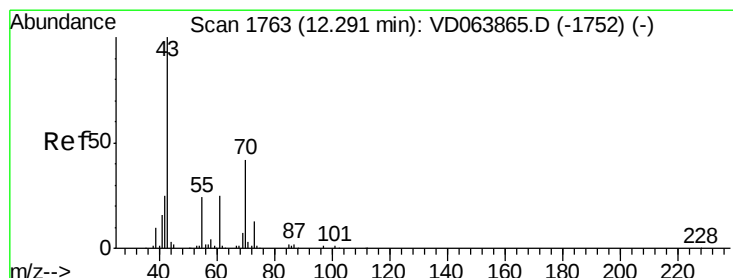
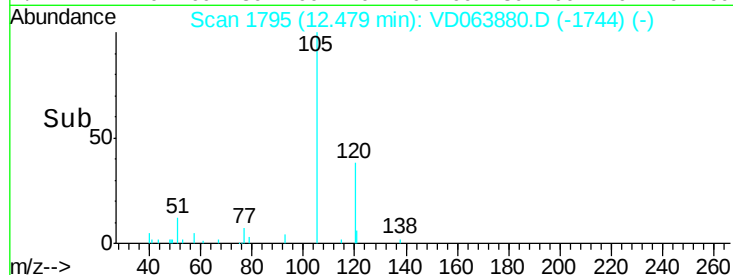
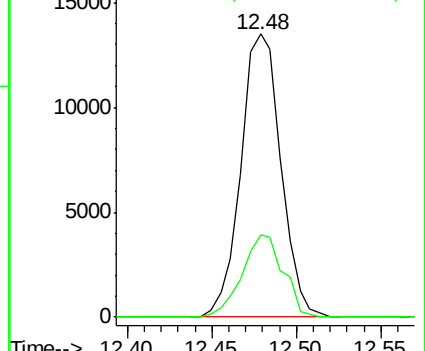
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.381 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Tgt Ion: 43 Resp: 5004

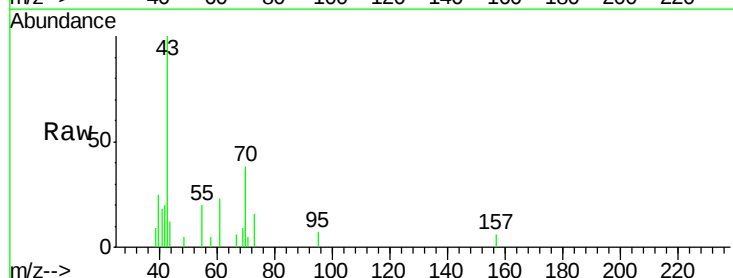
Ion Ratio Lower Upper

43 100

70 49.5 35.8 53.6

55 34.1 19.4 29.0#

61 33.5 20.4 30.6#

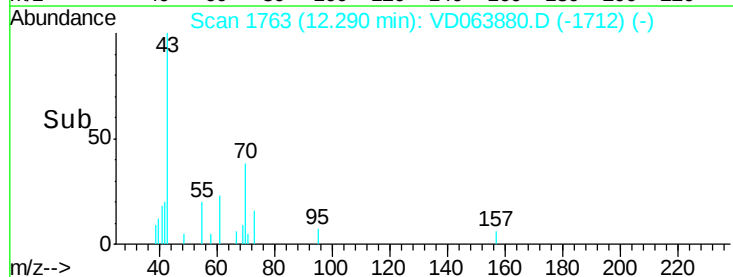
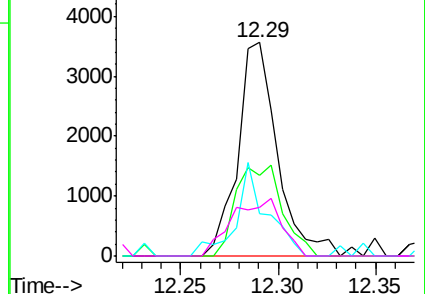


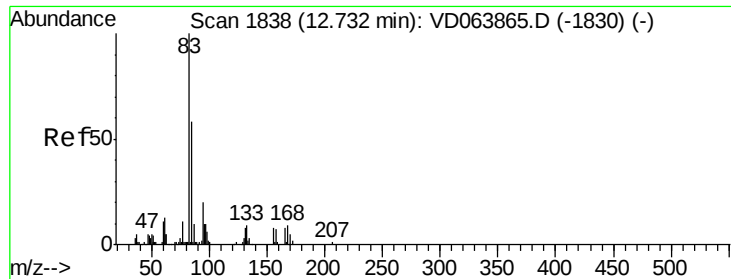
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 2.630 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

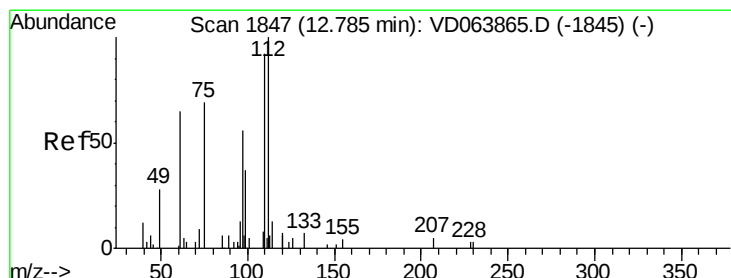
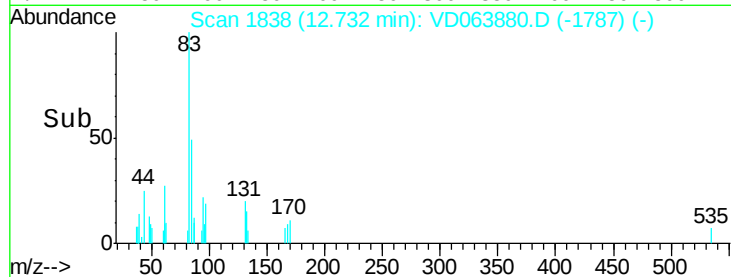
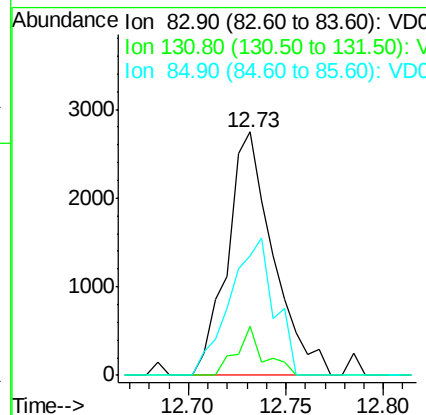
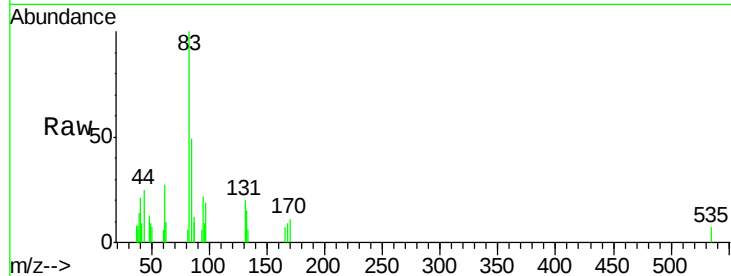
ClientSampleId :

MDL06

Tot Ion:	83	Resp:	4468
Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.6	16.8
85	54.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 2.341 ug/l m

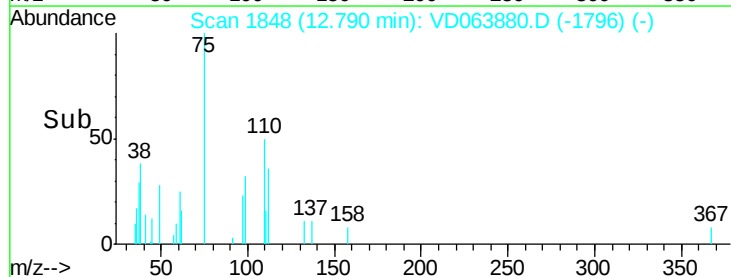
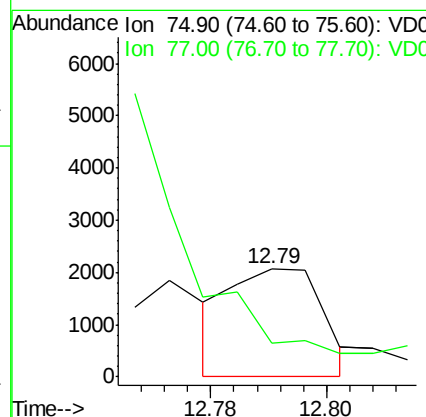
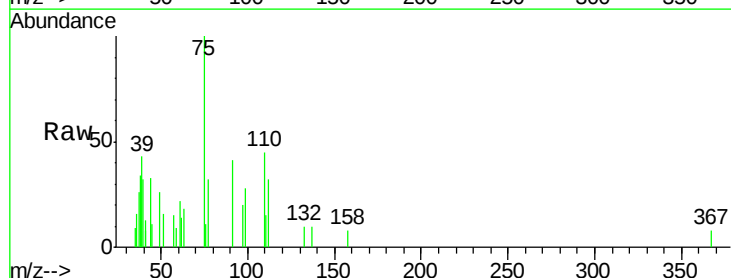
RT: 12.79 min Scan# 1848

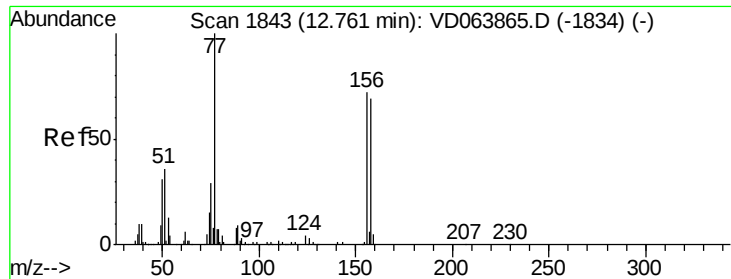
Delta R.T. 0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Tgt Ion:	75	Resp:	2277
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.558 ug/l

RT: 12.76 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

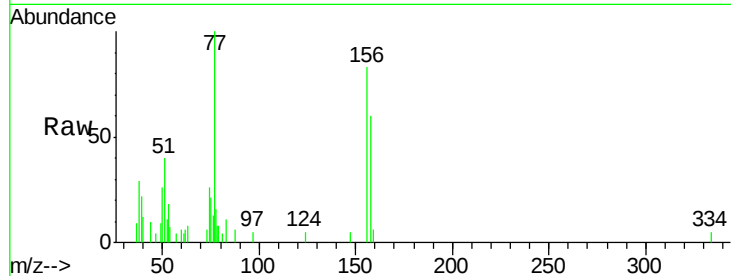
ClientSampled :

MDL06

Tot Ion	Ratio	Lower	Upper
156	100		
77	168.4	80.3	241.0
158	97.3	47.4	142.2

Manual Integrations
APPROVED

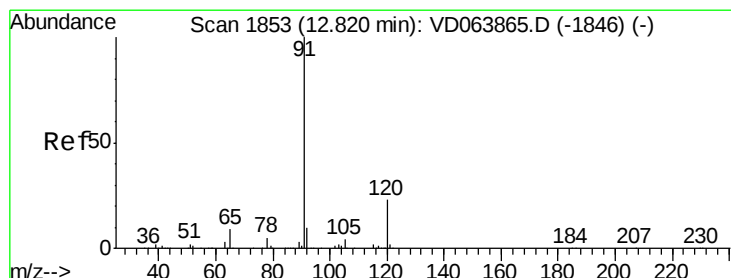
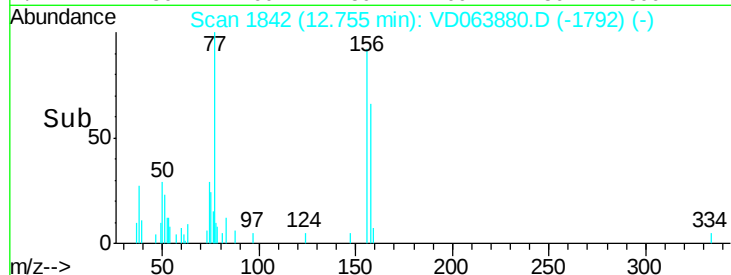
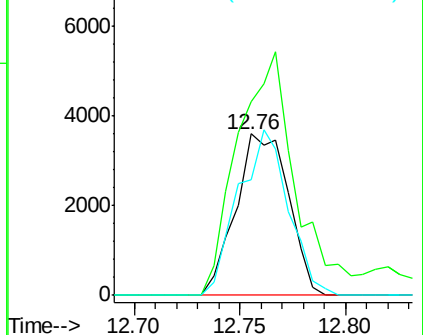
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.391 ug/l

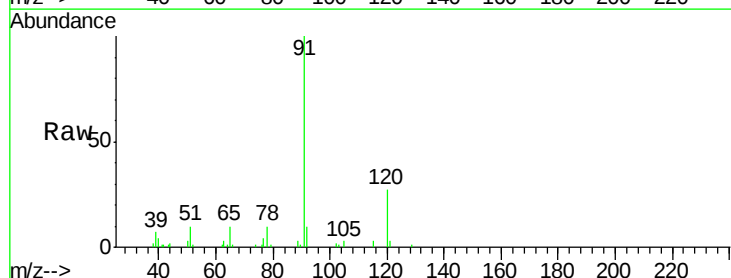
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063880.D

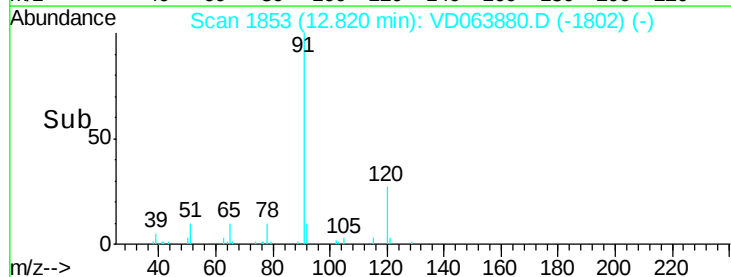
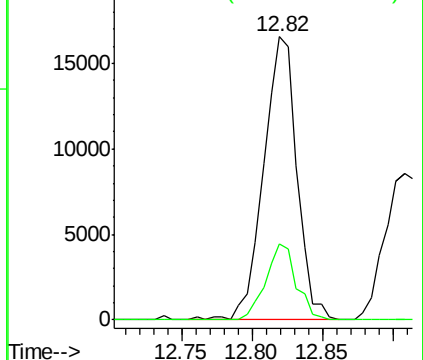
Acq: 03 Oct 2019 17:21

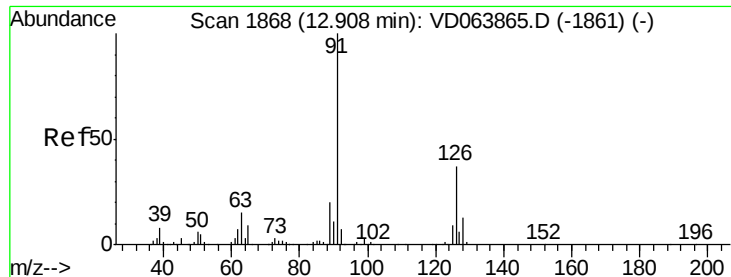
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.513 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 15877

Ion Ratio Lower Upper

91 100

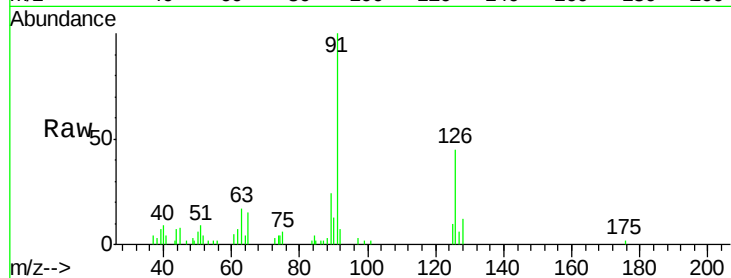
126 37.0 18.4 55.2

Manual Integrations

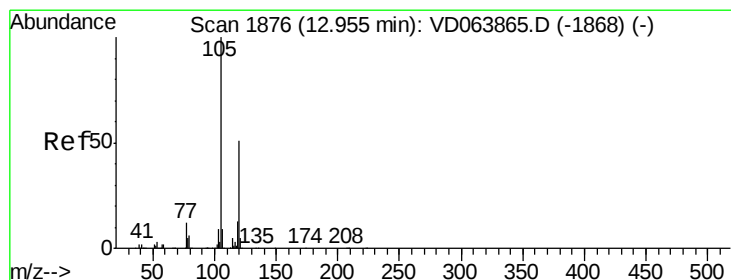
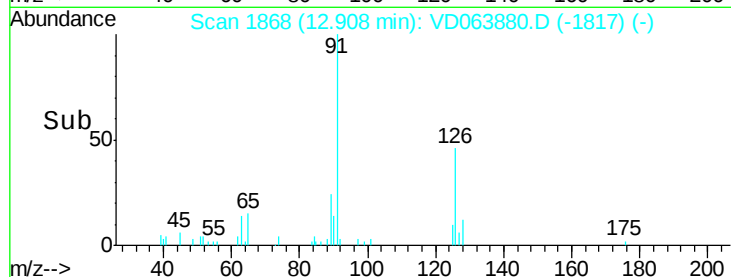
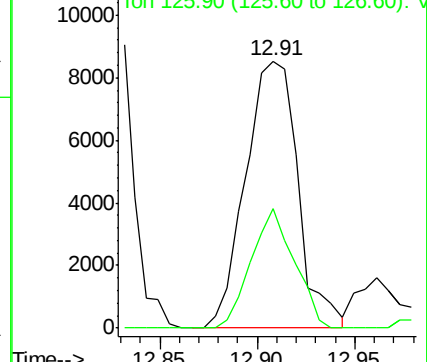
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Abundance Ion 91.00 (90.70 to 91.70): VD063865.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 2.287 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063880.D

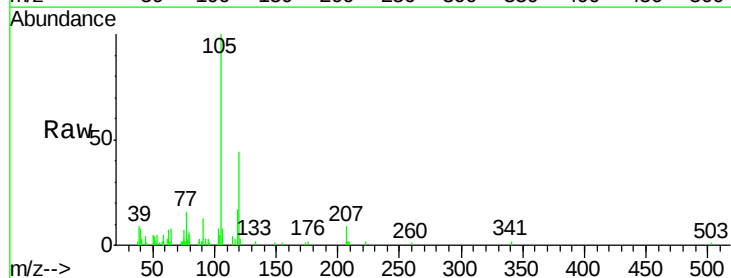
Acq: 03 Oct 2019 17:21

Tgt Ion: 105 Resp: 18626

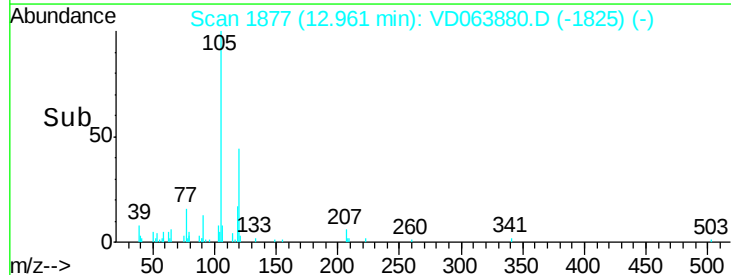
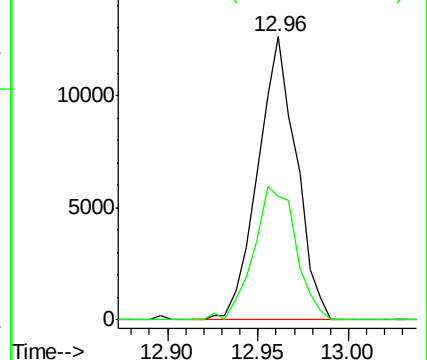
Ion Ratio Lower Upper

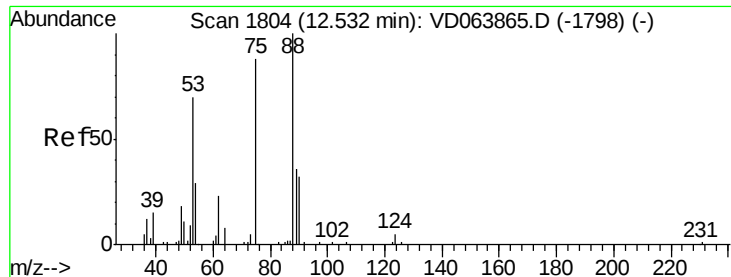
105 100

120 51.8 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): VD063865.D (-1868) (-)





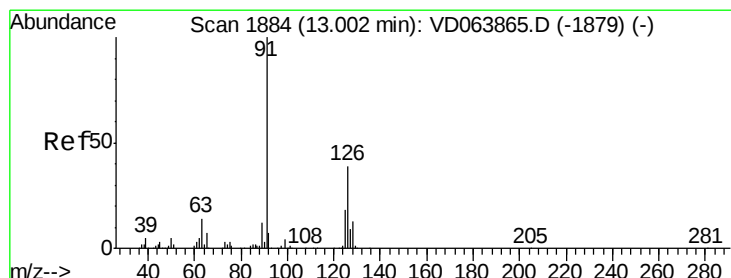
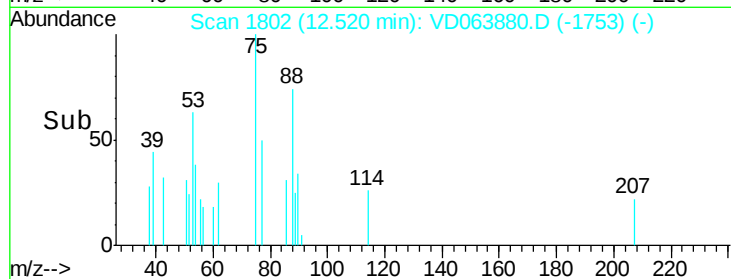
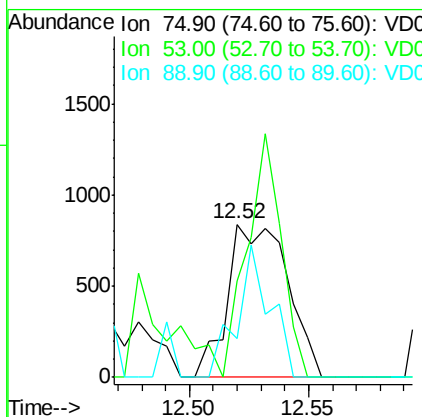
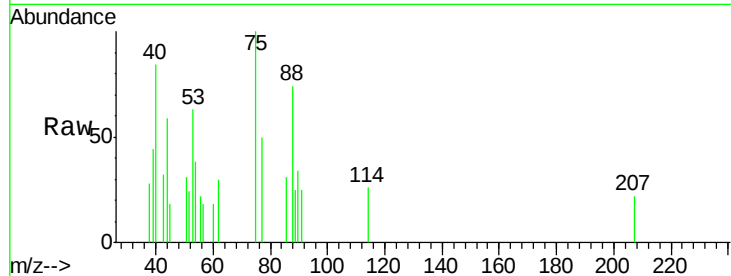
#81
trans-1,4-Dichloro-2-butene
Concen: 2.667 ug/l m
RT: 12.52 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
75	100		
53	4.8	75.0	112.6#
89	20.3	38.2	57.4#

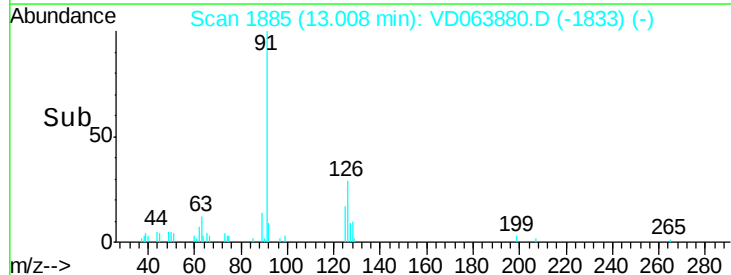
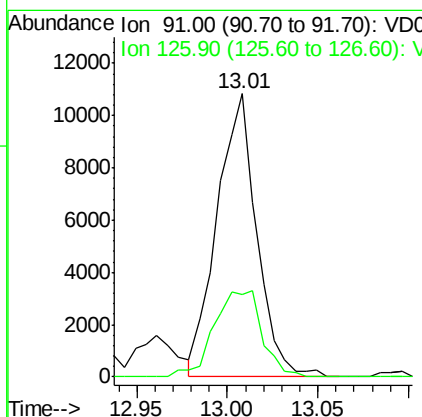
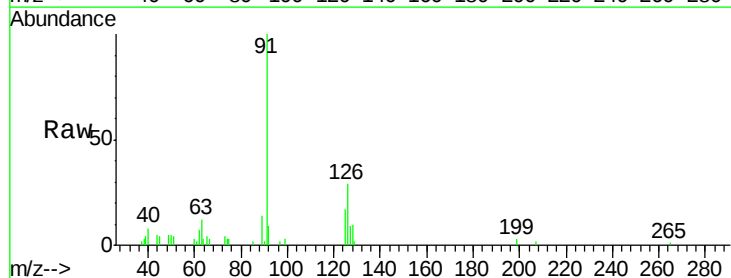
Manual Integrations
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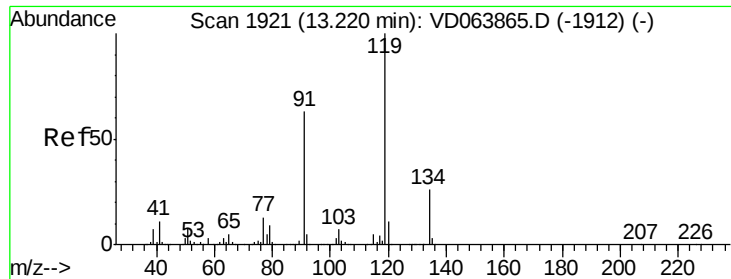
MMDadoda
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#82
4-Chlorotoluene
Concen: 2.464 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.6	55.8





#83

tert-Butylbenzene

Concen: 2.220 ug/l

RT: 13.22 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Instrument :

MSVOA_D

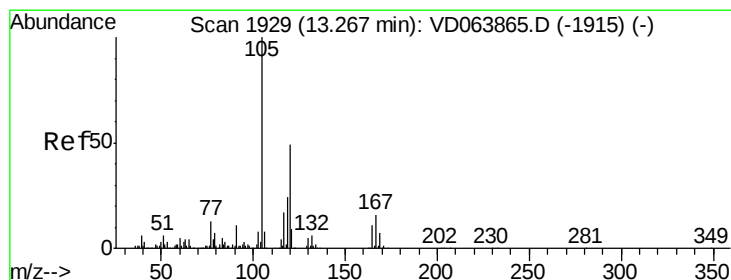
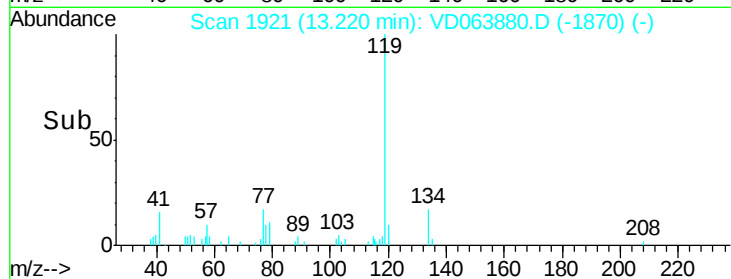
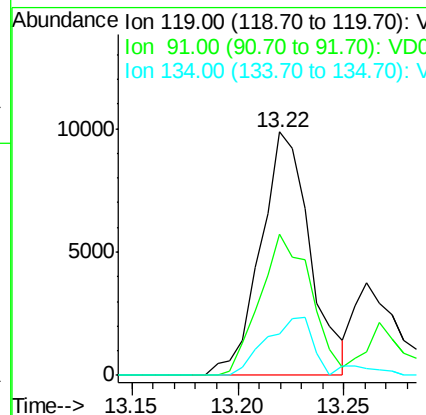
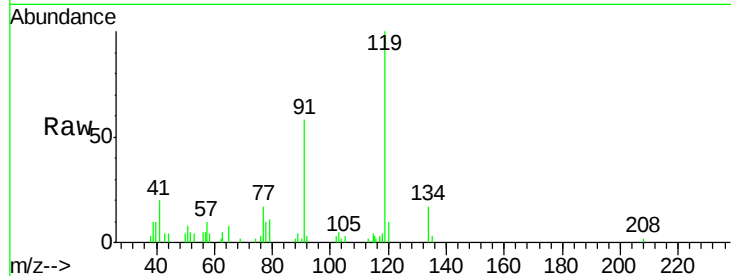
ClientSampled :

MDL06

Tot Ion:	119	Resp:	16092
Ion Ratio	Lower	Upper	
119	100		
91	60.0	30.0	90.0
134	24.1	13.0	38.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 2.249 ug/l

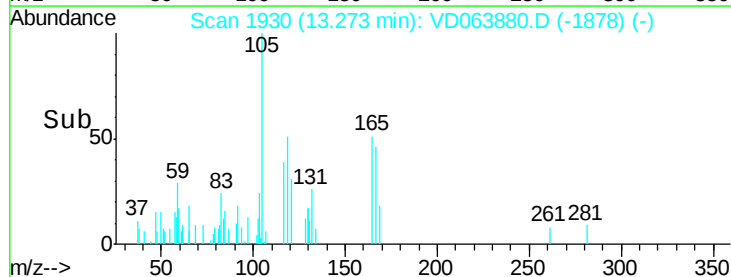
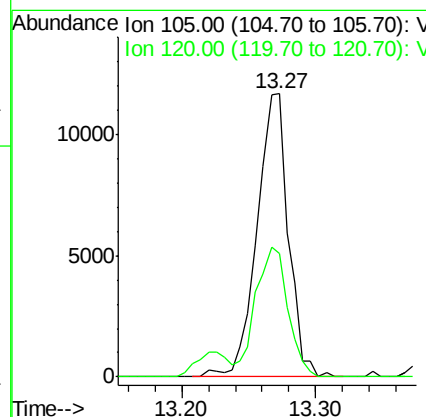
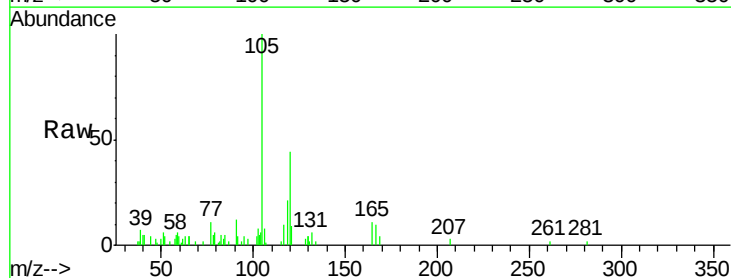
RT: 13.27 min Scan# 1930

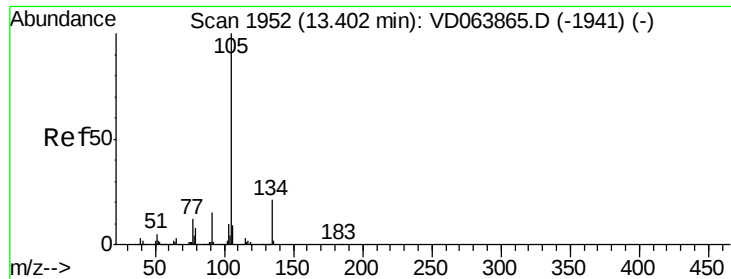
Delta R.T. 0.01 min

Lab File: VD063880.D

Acq: 03 Oct 2019 17:21

Tgt Ion:	105	Resp:	18883
Ion Ratio	Lower	Upper	
105	100		
120	47.6	23.8	71.5





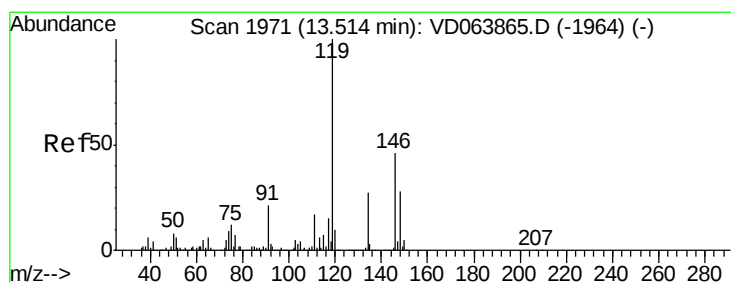
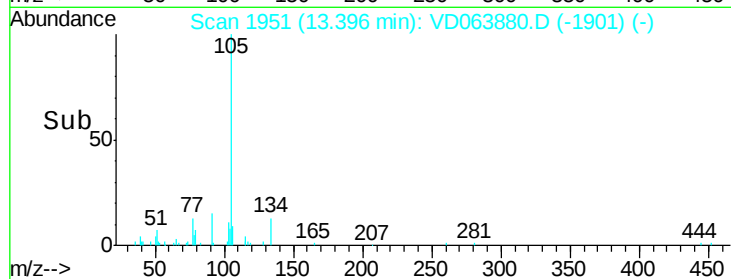
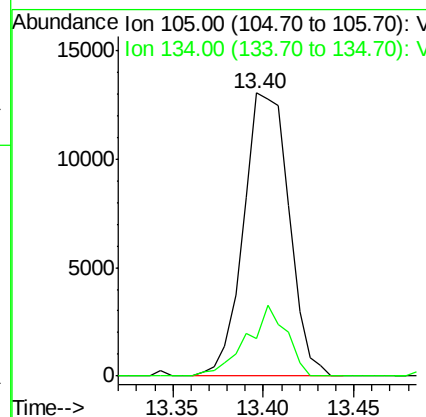
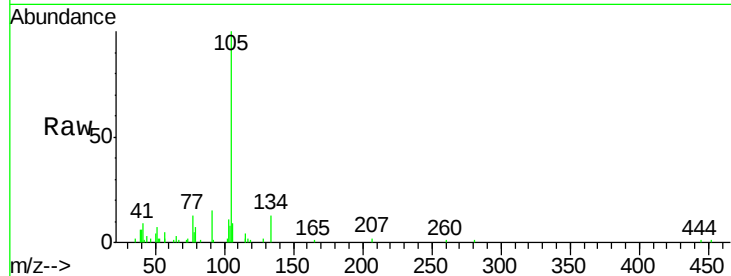
#85
 sec-Butylbenzene
 Concen: 2.324 ug/l
 RT: 13.40 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.9	10.6	31.8

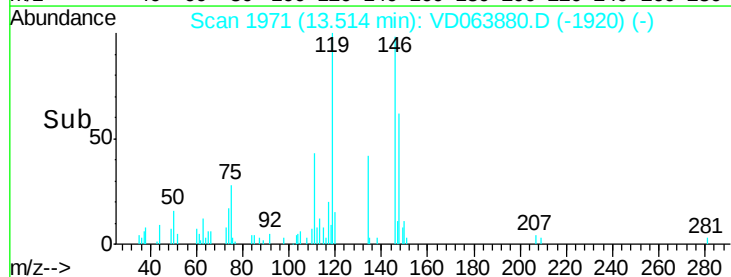
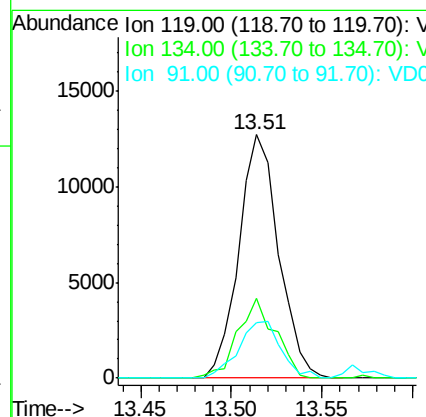
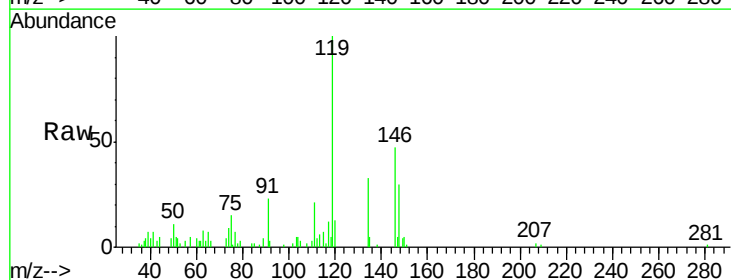
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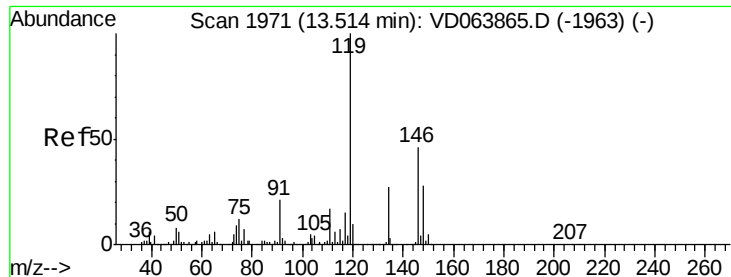
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#86
 p-Isopropyltoluene
 Concen: 2.096 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	30.8	13.9	41.6
91	24.9	11.2	33.5





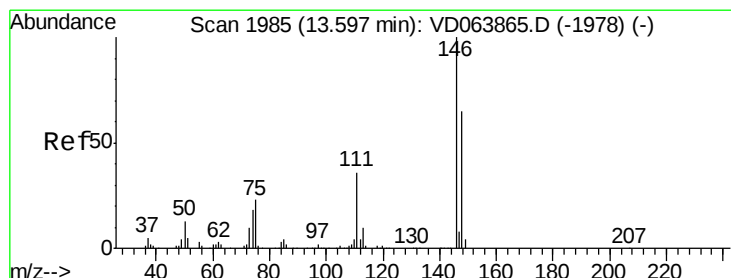
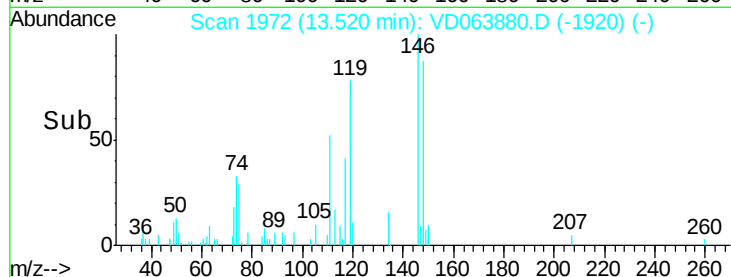
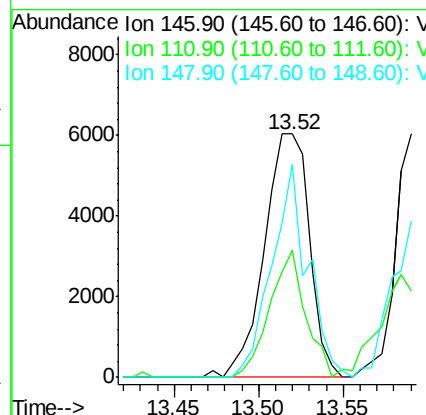
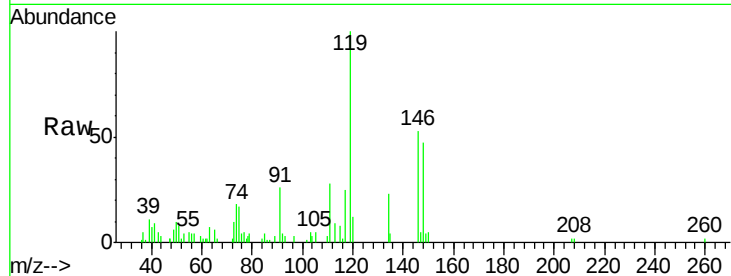
#87
 1,3-Dichlorobenzene
 Concen: 2.307 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	18.3	54.9
148	70.4	31.8	95.4

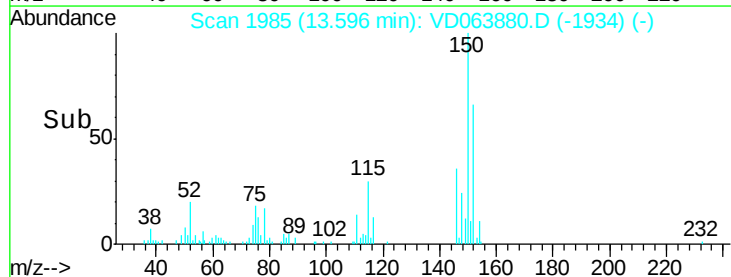
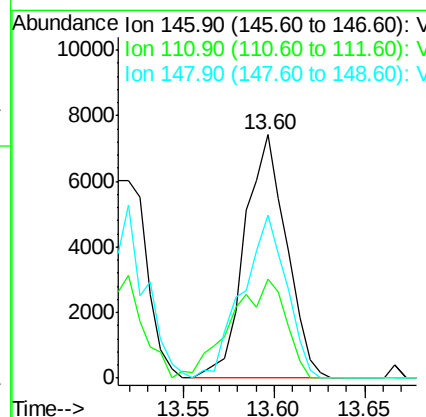
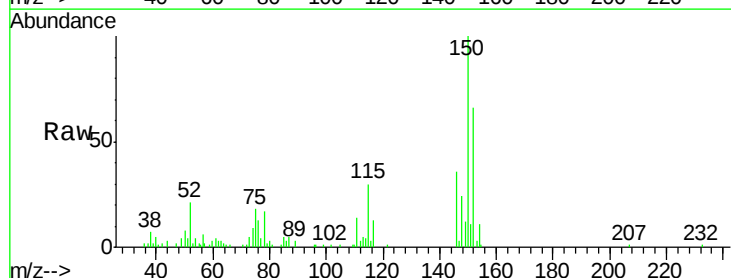
Manual Integrations
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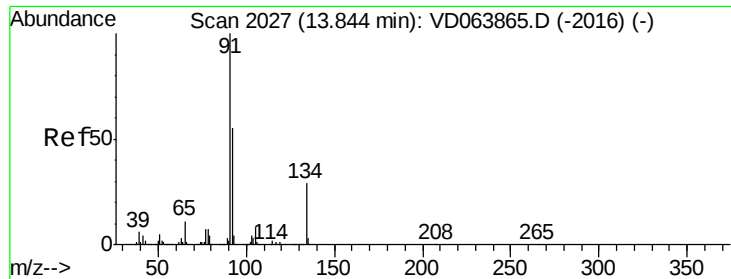
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#88
 1,4-Dichlorobenzene
 Concen: 2.515 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.9	18.6	56.0
148	70.4	32.6	98.0





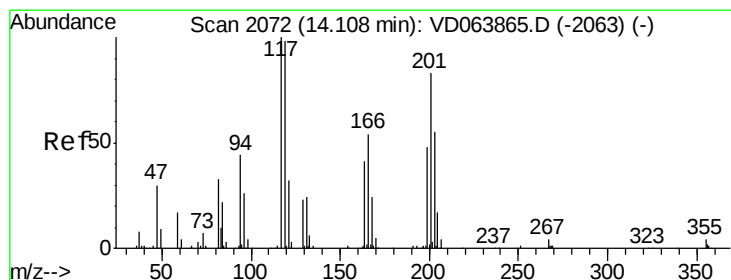
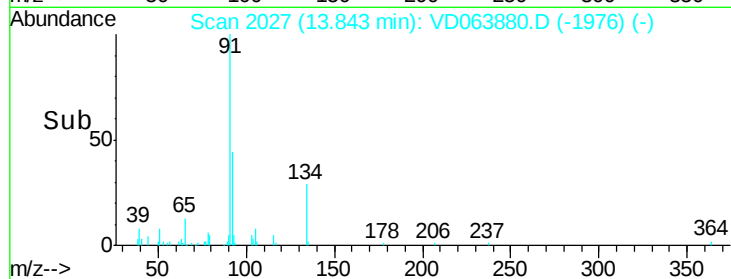
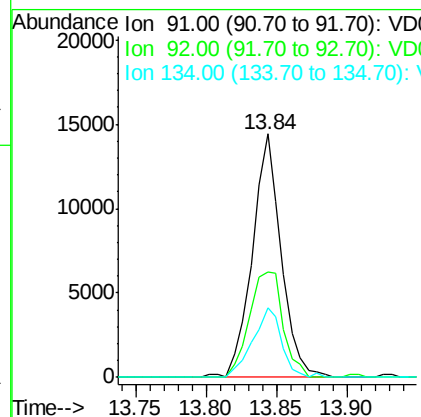
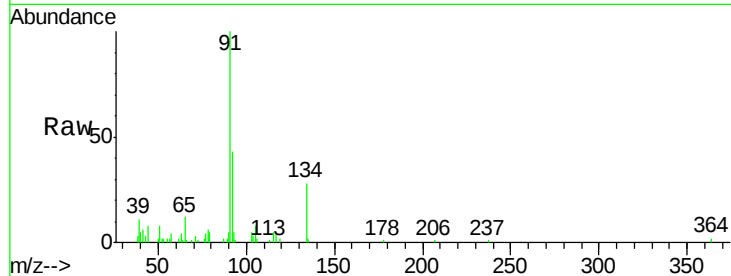
#89
n-Butylbenzene
Concen: 2.399 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	26.8	80.3
134	28.7	14.4	43.0

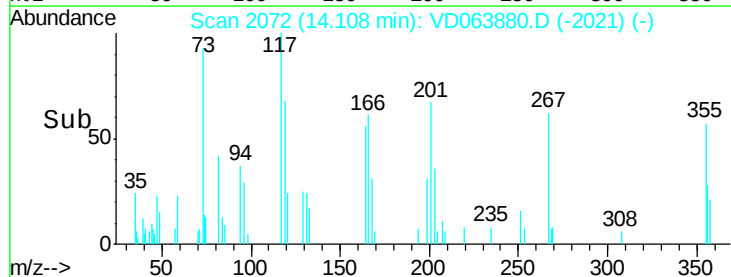
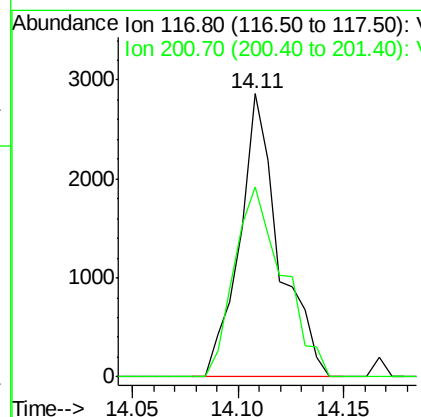
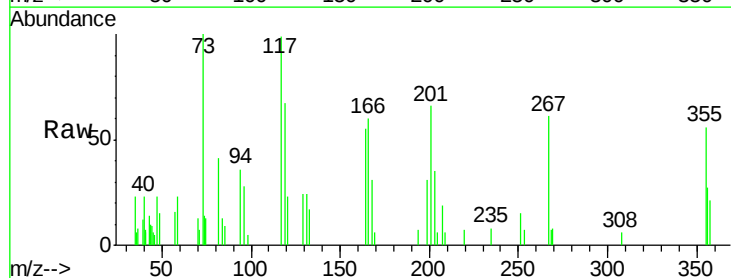
Manual Integrations
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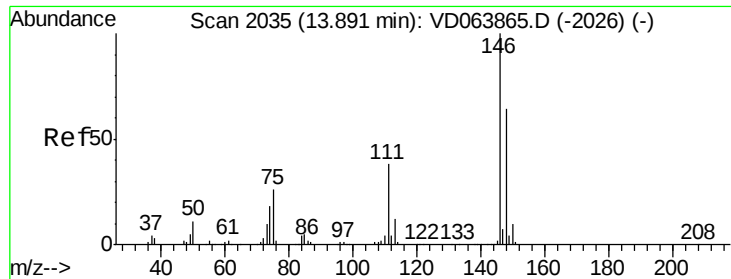
MMDadoda
10/4/2019 4:31:35 PM



#90
Hexachloroethane
Concen: 2.225 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	40.6	121.7





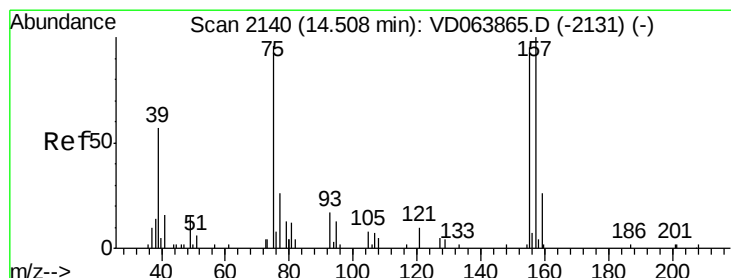
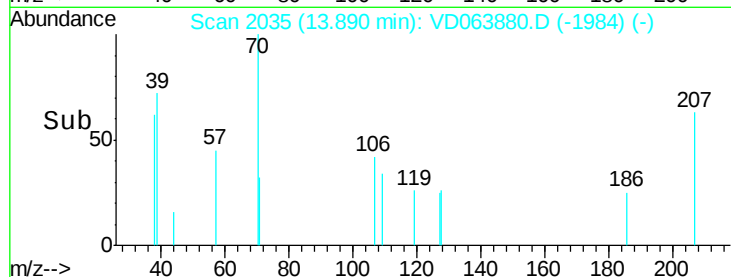
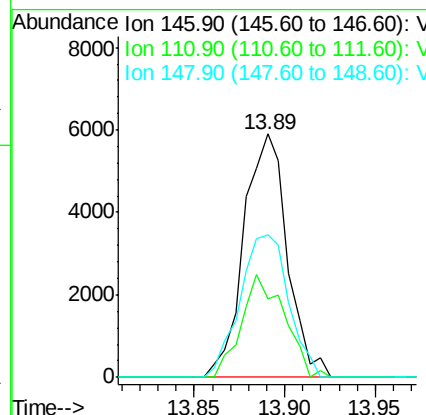
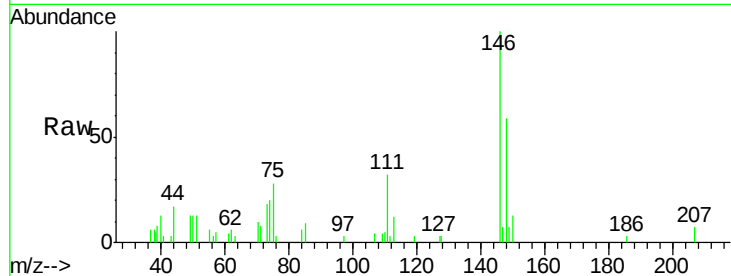
#91
 1,2-Dichlorobenzene
 Concen: 2.375 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	18.6	55.6
148	65.8	31.6	95.0

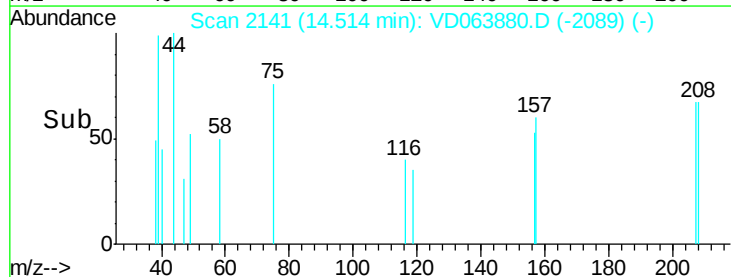
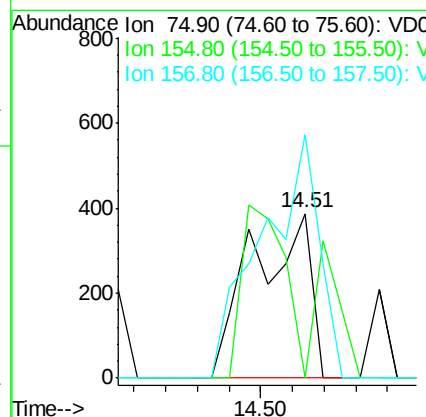
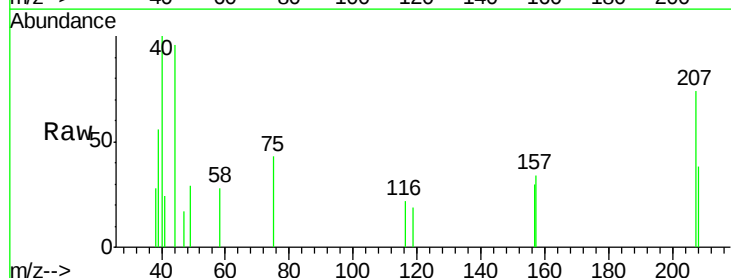
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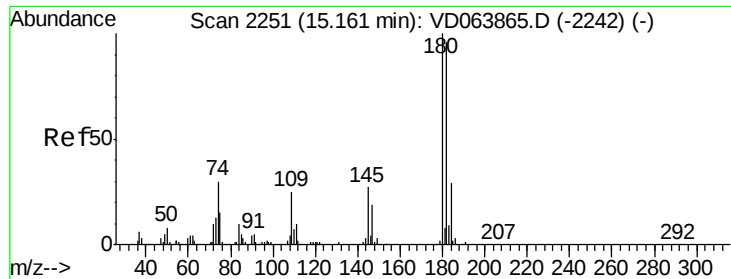
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.657 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	34.7	43.9	131.6#
157	147.2	56.0	167.9





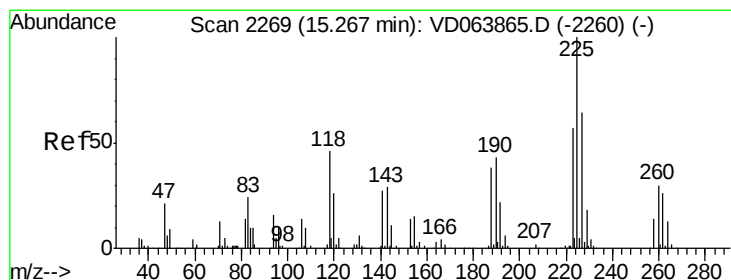
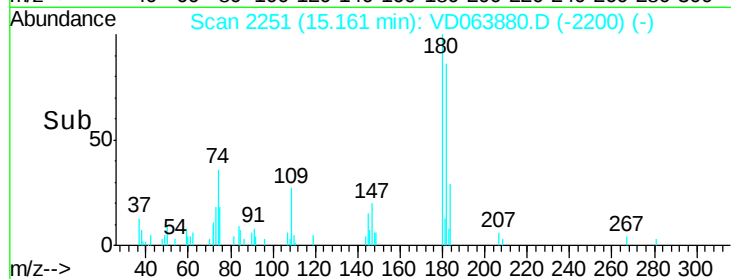
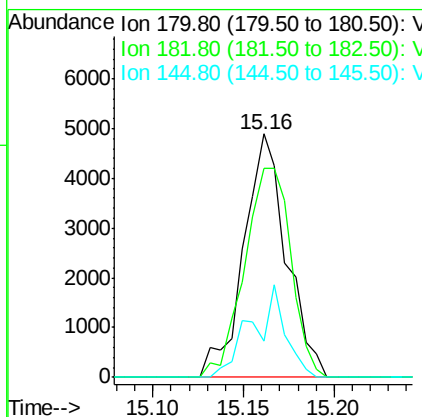
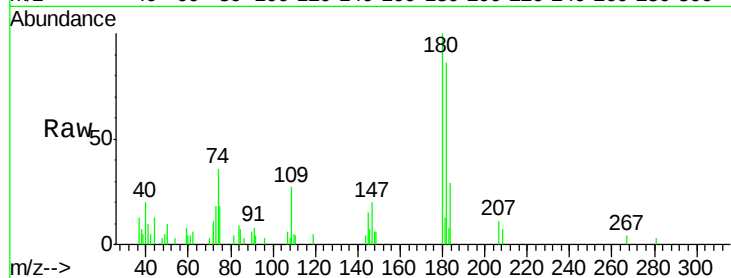
#93
 1,2,4-Trichlorobenzene
 Concen: 2.517 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.4	142.3
145	29.9	13.9	41.7

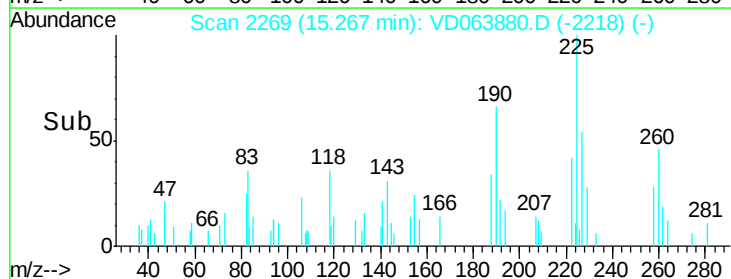
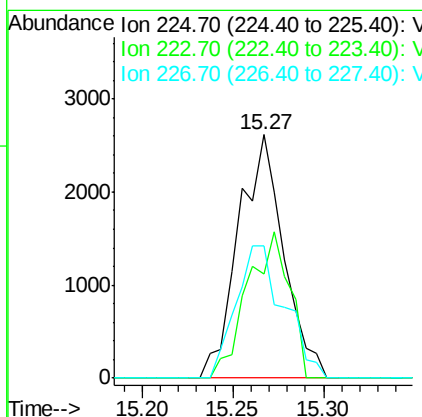
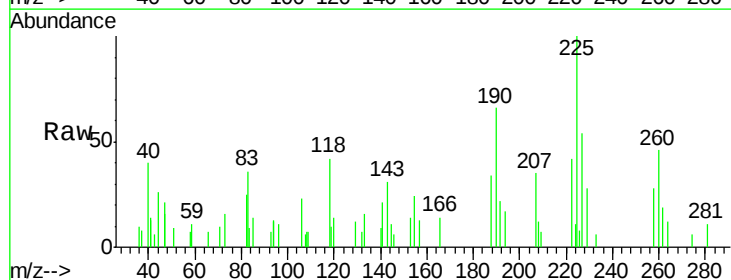
Manual Integrations
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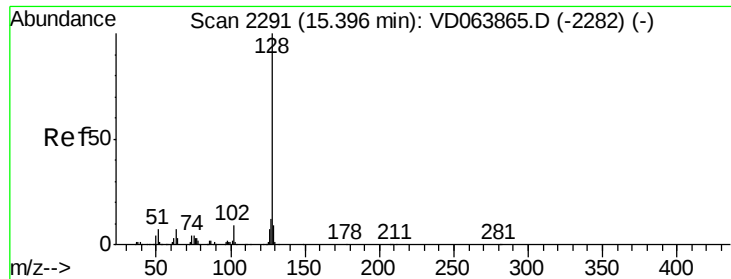
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#94
 Hexachlorobutadiene
 Concen: 2.570 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063880.D
 Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	55.8	29.5	88.6
227	57.9	30.8	92.4





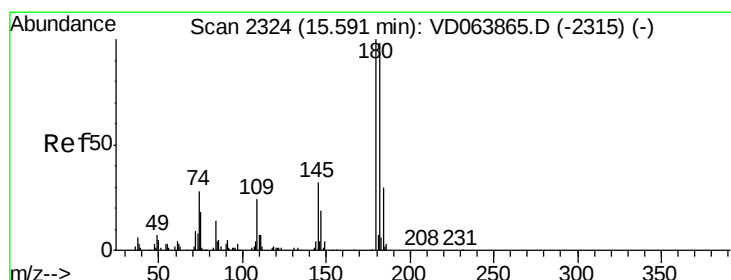
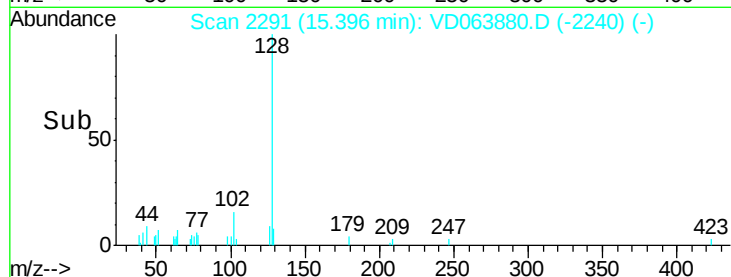
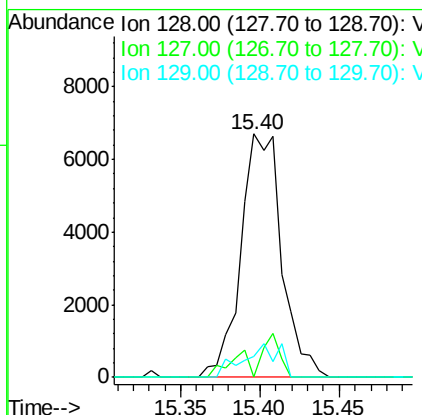
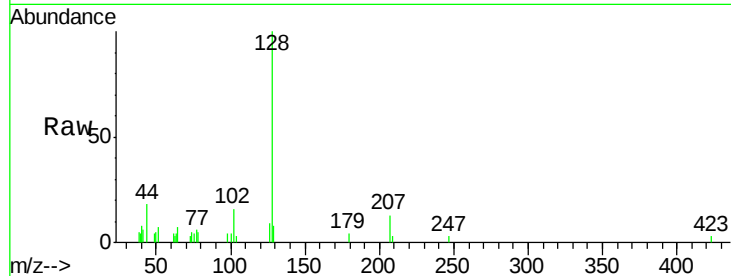
#95
Naphthalene
Concen: 2.239 ug/l
RT: 15.40 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
128	100		
127	5.5	10.6	16.0#
129	0.0	8.6	13.0#

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 2.226 ug/l
RT: 15.59 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VD063880.D
Acq: 03 Oct 2019 17:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.1	47.0	141.0
145	39.3	15.3	45.9

