

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065066.D
 Acq On : 05 Feb 2020 16:01
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV020520

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:24 AM

Quant Time: Feb 06 05:45:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	585362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	847549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	736162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	347758	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	263981	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
35) Dibromofluoromethane	7.92	113	270046	57.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.22%	
50) Toluene-d8	10.34	98	1061914	56.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.84%	
62) 4-Bromofluorobenzene	12.64	95	330839	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	272388	55.918	ug/l	96
3) Chloromethane	2.21	50	313404	54.656	ug/l	95
4) Vinyl Chloride	2.35	62	337869	55.715	ug/l	95
5) Bromomethane	2.77	94	220804	56.155	ug/l	96
6) Chloroethane	2.93	64	204822	54.449	ug/l	96
7) Trichlorofluoromethane	3.27	101	500314	56.691	ug/l	97
8) Diethyl Ether	3.71	74	126778	50.040	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	292453	54.207	ug/l	98
10) Methyl Iodide	4.30	142	345694	56.138	ug/l	100
11) Tert butyl alcohol	5.24	59	74778	246.004	ug/l	99
12) 1,1-Dichloroethene	4.06	96	284972	55.151	ug/l	99
13) Acrolein	3.93	56	85130	227.696	ug/l	96
14) Allyl chloride	4.71	41	467237	54.408	ug/l	100
15) Acrylonitrile	5.43	53	281074	253.759	ug/l	100
16) Acetone	4.17	43	303290	243.831	ug/l	97
17) Carbon Disulfide	4.40	76	914467	55.120	ug/l	99
18) Methyl Acetate	4.73	43	129139	49.692	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	592865	51.886	ug/l	98
20) Methylene Chloride	4.97	84	295187	54.230	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	314869	53.861	ug/l	98
22) Diisopropyl ether	6.37	45	857112	52.914	ug/l	99
23) Vinyl Acetate	6.31	43	2452954	271.687	ug/l	99
24) 1,1-Dichloroethane	6.27	63	520877	53.126	ug/l	99
25) 2-Butanone	7.23	43	368669	248.473	ug/l	99
26) 2,2-Dichloropropane	7.21	77	483054	54.967	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	327004	52.653	ug/l	98
28) Bromochloromethane	7.55	49	198425	53.388	ug/l	99
29) Tetrahydrofuran	7.57	42	228732	254.921	ug/l	98
30) Chloroform	7.71	83	521824	53.452	ug/l	96
31) Cyclohexane	7.99	56	517602	52.298	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	495943	54.536	ug/l	99
36) 1,1-Dichloropropene	8.11	75	439304	55.742	ug/l	100
37) Ethyl Acetate	7.30	43	166883	51.833	ug/l	98
38) Carbon Tetrachloride	8.10	117	449827	55.886	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	546310	56.161	ug/l	98
40) Benzene	8.36	78	1181790	54.303	ug/l	100
41) Methacrylonitrile	7.53	41	92823	52.331	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	327871	52.873	ug/l	99
43) Isopropyl Acetate	8.46	43	320865	52.097	ug/l	100
44) Trichloroethene	9.11	130	330838	52.962	ug/l	96
45) 1,2-Dichloropropane	9.39	63	279940	53.650	ug/l	99
46) Dibromomethane	9.48	93	143637	52.386	ug/l	99
47) Bromodichloromethane	9.67	83	386396	53.484	ug/l	98
48) Methyl methacrylate	9.46	41	165280	55.768	ug/l	92
49) 1,4-Dioxane	9.47	88	33624	1035.359	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	794072	261.937	ug/l	99
52) Toluene	10.41	92	759113	54.652	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	383932	54.582	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	451007	53.609	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	193736	51.513	ug/l	96
56) Ethyl methacrylate	10.67	69	254896	53.566	ug/l	99
57) 1,3-Dichloropropane	10.96	76	346016	52.322	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	359357	232.392	ug/l	100
59) 2-Hexanone	10.99	43	574341	267.471	ug/l	100
60) Dibromochloromethane	11.14	129	264986	54.397	ug/l	99
61) 1,2-Dibromoethane	11.25	107	191452	52.098	ug/l	99
64) Tetrachloroethene	10.88	164	288598	54.558	ug/l	97
65) Chlorobenzene	11.68	112	774828	54.418	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	291671	55.502	ug/l	99
67) Ethyl Benzene	11.75	91	1449791	56.044	ug/l	99
68) m/p-Xylenes	11.86	106	1115091	112.939	ug/l	100
69) o-Xylene	12.19	106	492974	55.446	ug/l	96
70) Styrene	12.20	104	868904	56.229	ug/l	99
71) Bromoform	12.37	173	150675	53.269	ug/l #	99
73) Isopropylbenzene	12.48	105	1373498	57.544	ug/l	100
74) N-amyl acetate	12.30	43	288117	55.535	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	200726	53.433	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	146081m	55.483	ug/l	
77) Bromobenzene	12.77	156	312788	54.390	ug/l	99
78) n-propylbenzene	12.83	91	1609867	57.593	ug/l	100
79) 2-Chlorotoluene	12.91	91	871068	55.906	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1117833	57.245	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	71835	54.565	ug/l	100
82) 4-Chlorotoluene	13.01	91	911021	55.673	ug/l	100
83) tert-Butylbenzene	13.23	119	971467	57.665	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	1101861	56.837	ug/l	99
85) sec-Butylbenzene	13.41	105	1332996	57.933	ug/l	100
86) p-Isopropyltoluene	13.53	119	1248401	58.395	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	605938	56.276	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	584560	54.548	ug/l	99
89) n-Butylbenzene	13.86	91	1150652	58.313	ug/l	99
90) Hexachloroethane	14.12	117	230050	56.828	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	500160	54.232	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	32770	53.438	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	355669	53.957	ug/l	98
94) Hexachlorobutadiene	15.28	225	223014	55.024	ug/l	99
95) Naphthalene	15.41	128	603820	55.113	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	305309	54.149	ug/l	98

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

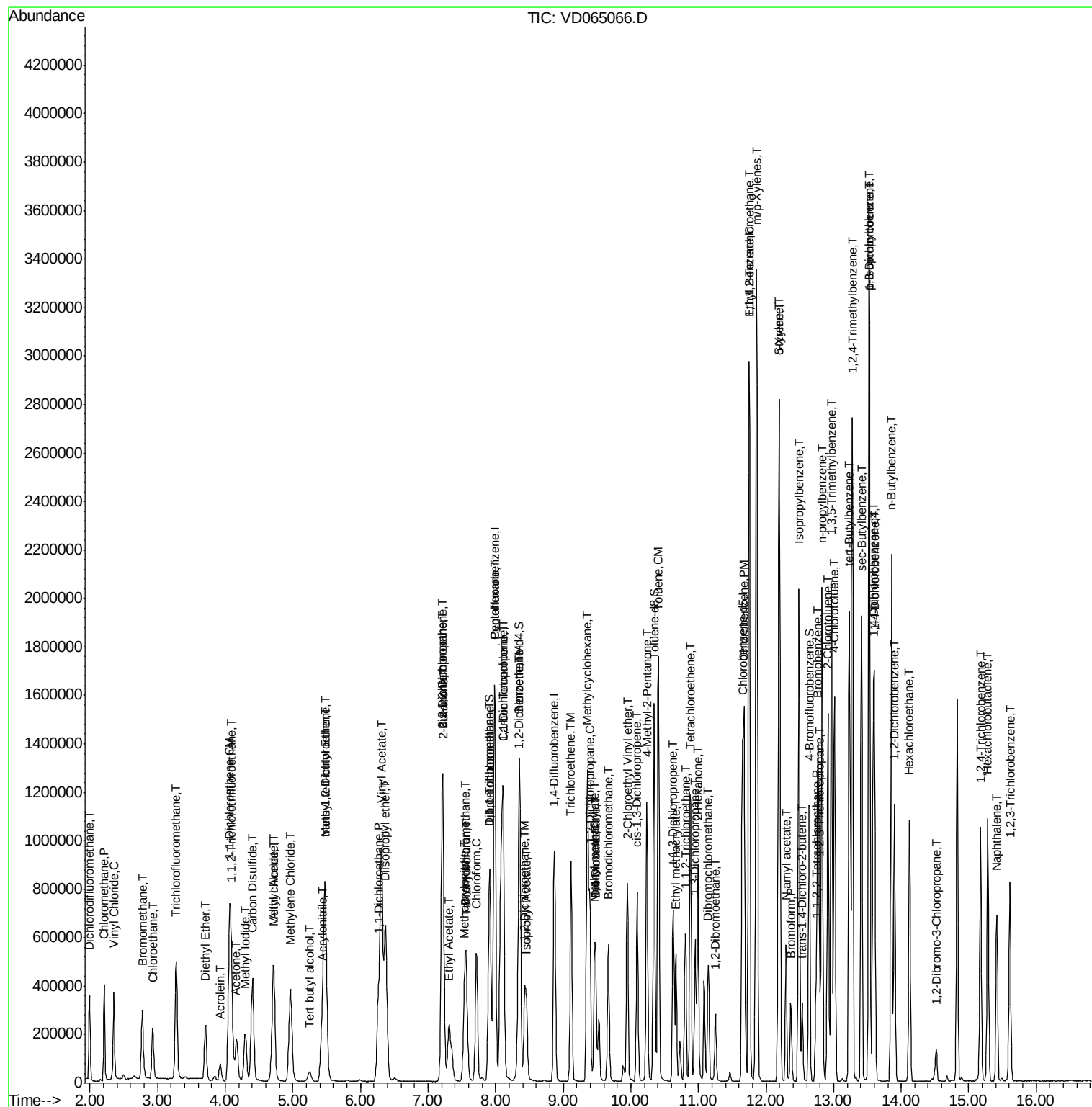
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020520\
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Acq On : 05 Feb 2020 16:01
Operator : VA/SY
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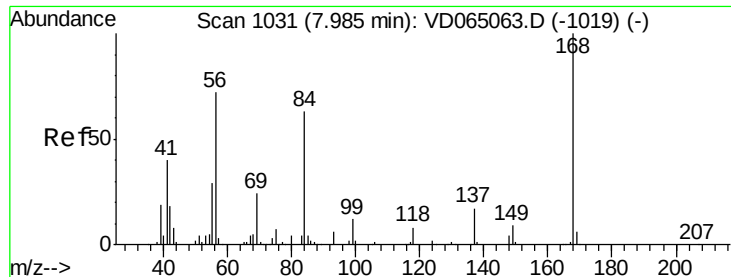
Instrument :
MSVOA_D
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Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

ICVVD020520

Tot Ion:168 Resp: 585362

Ion Ratio Lower Upper

168 100

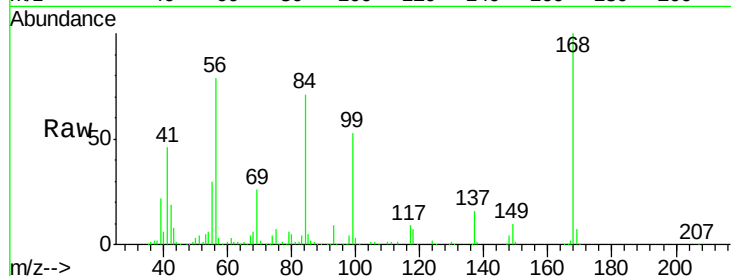
99 52.4 41.0 61.6

Manual Integrations

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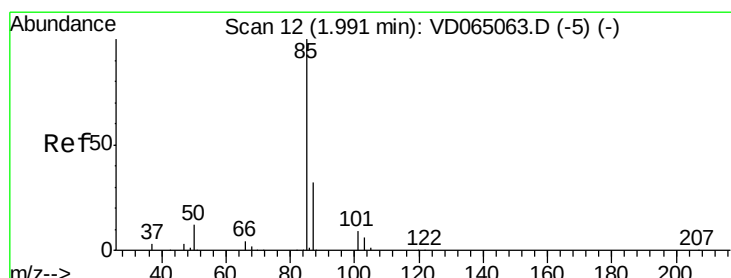
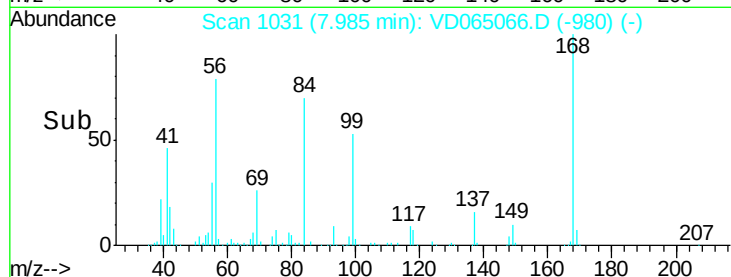
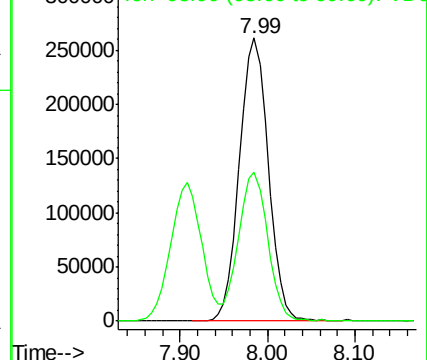
MMDadoda

2/6/2020 10:37:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 55.918 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065066.D

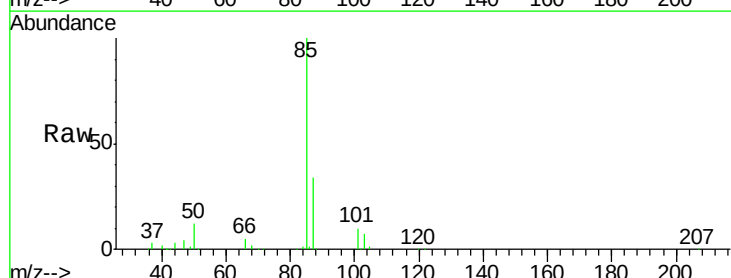
Acq: 05 Feb 2020 16:01

Tgt Ion: 85 Resp: 272388

Ion Ratio Lower Upper

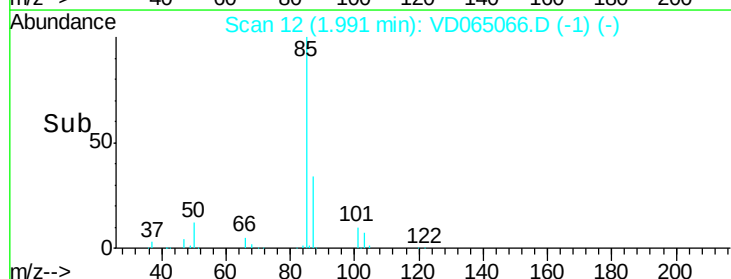
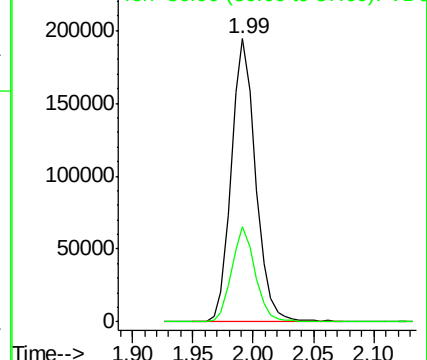
85 100

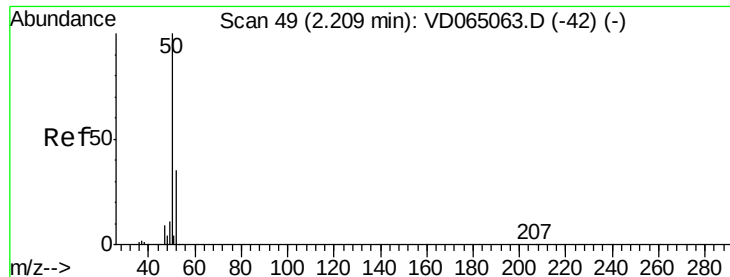
87 33.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.656 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

ICVVD020520

Tot Ion: 50 Resp: 313404

Ion Ratio Lower Upper

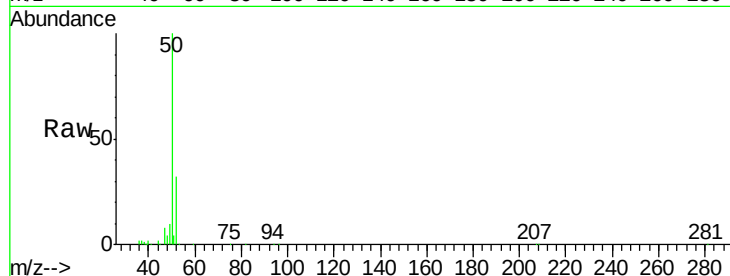
50 100

52 32.0 27.8 41.6

Manual Integrations
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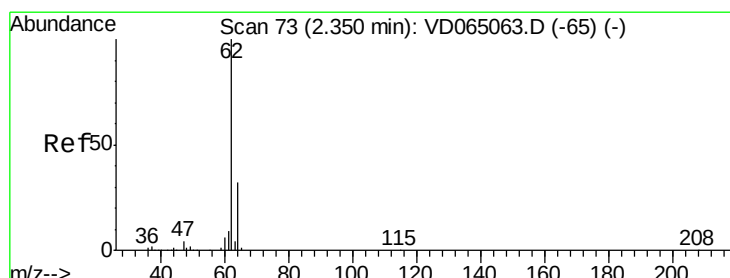
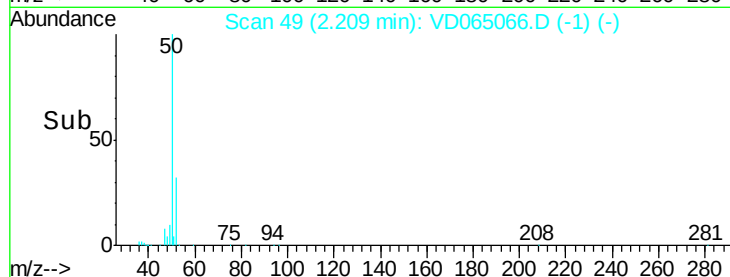
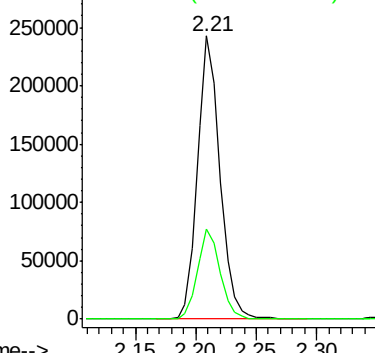
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2/6/2020 10:37:24 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 55.715 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065066.D

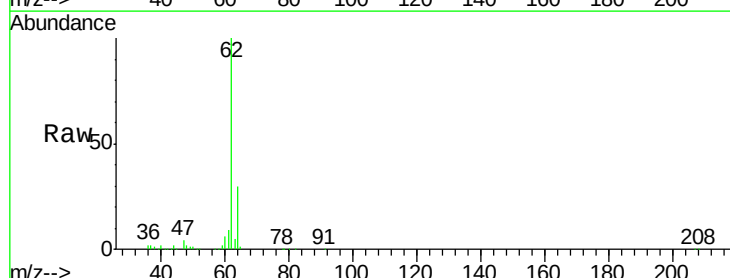
Acq: 05 Feb 2020 16:01

Tgt Ion: 62 Resp: 337869

Ion Ratio Lower Upper

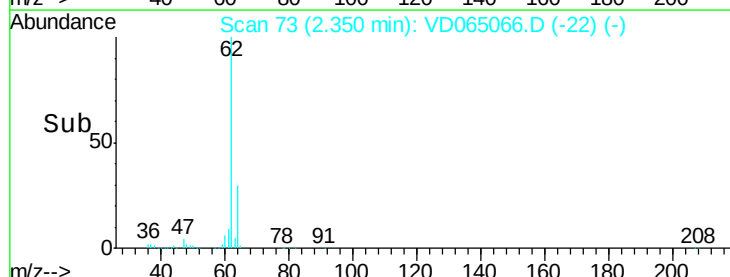
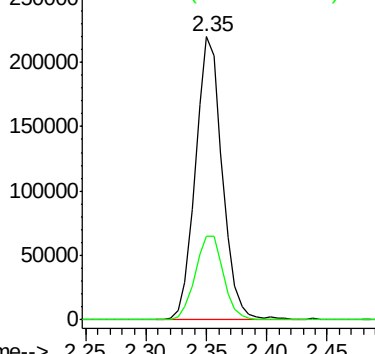
62 100

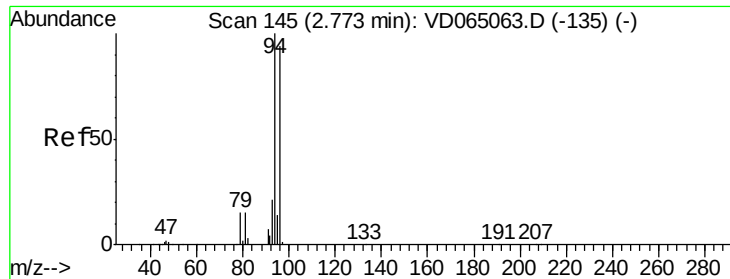
64 29.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 56.155 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

ICVVD020520

Tot Ion: 94 Resp: 220804

Ion Ratio Lower Upper

94 100

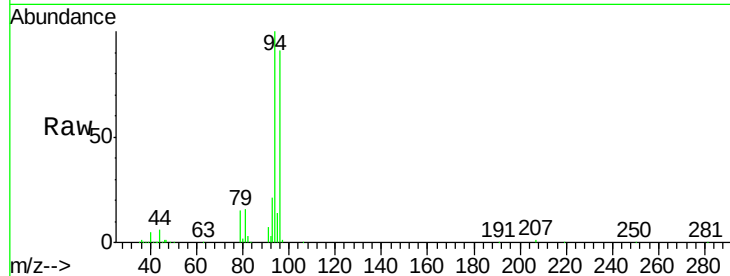
96 90.6 75.4 113.0

Manual Integrations

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2/6/2020 10:37:24 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

120000

100000

80000

60000

40000

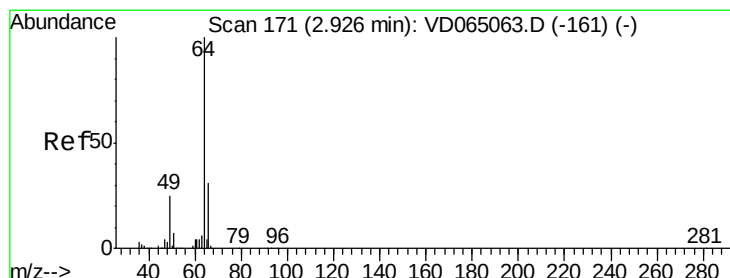
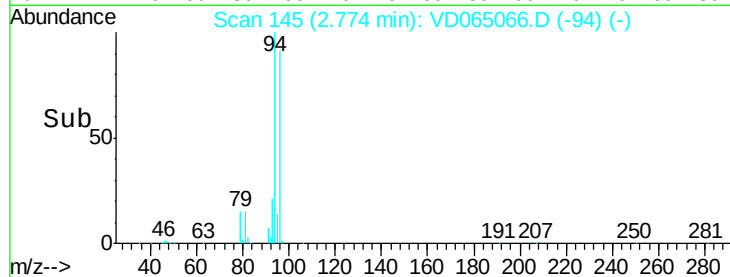
20000

0

2.77

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 54.449 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065066.D

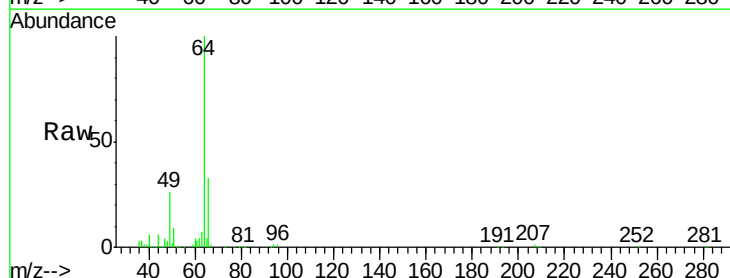
Acq: 05 Feb 2020 16:01

Tgt Ion: 64 Resp: 204822

Ion Ratio Lower Upper

64 100

66 33.2 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

120000

100000

80000

60000

40000

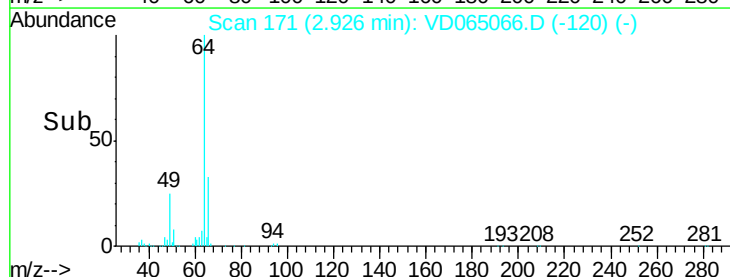
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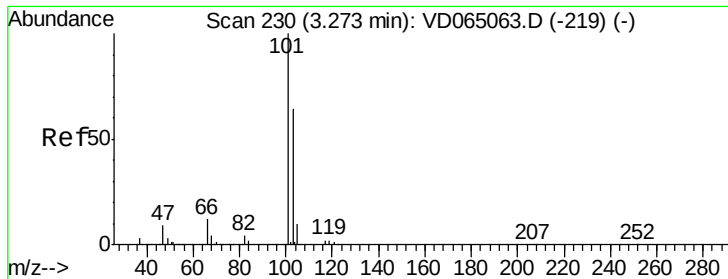
0

2.93

2.80 2.90 3.00

Time-->





#7

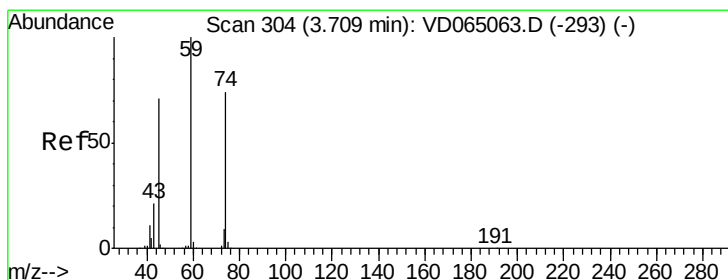
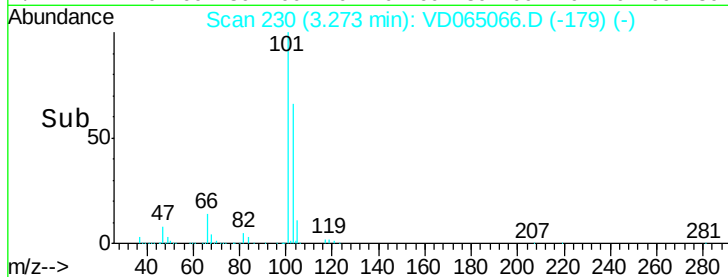
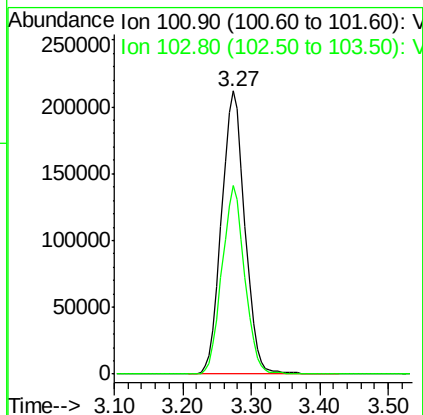
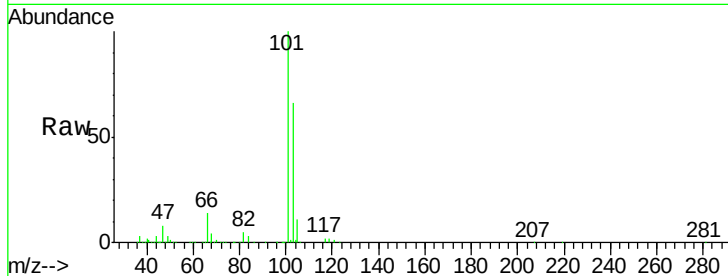
Trichlorofluoromethane
 Concen: 56.691 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Instrument :
 MSVOA_D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.0	76.6

Manual Integrations
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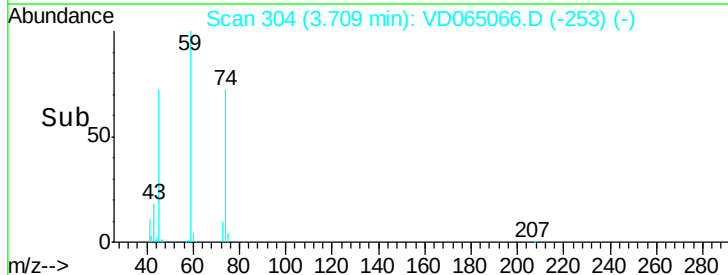
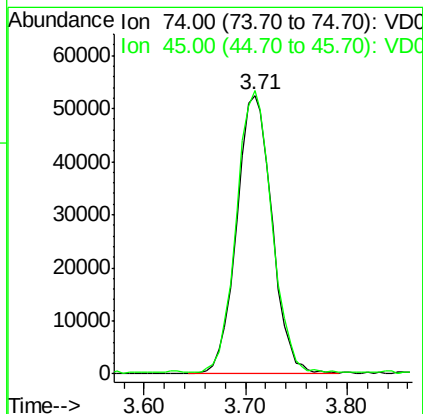
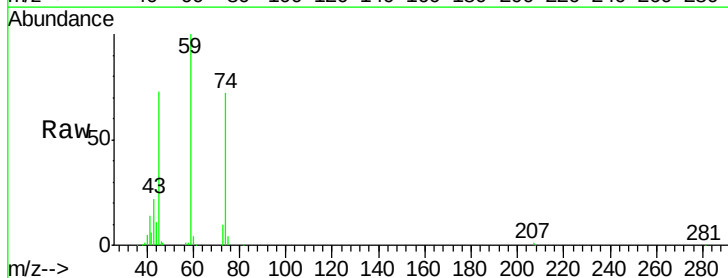
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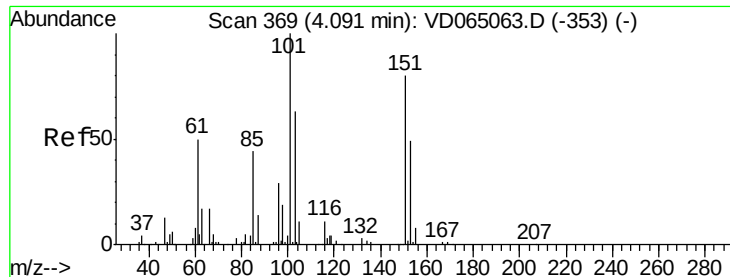


#8

Diethyl Ether
 Concen: 50.040 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.207 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

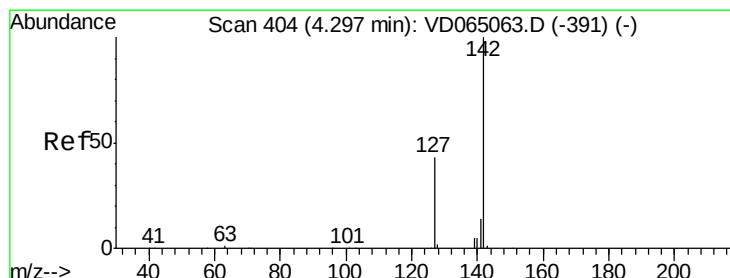
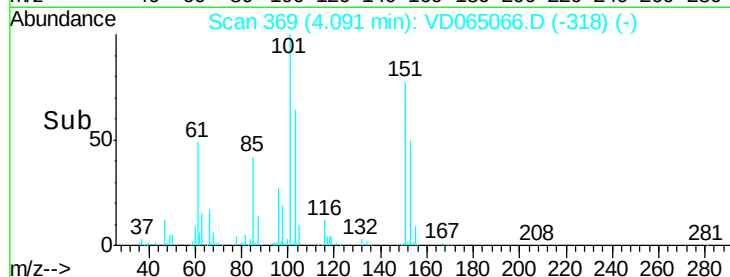
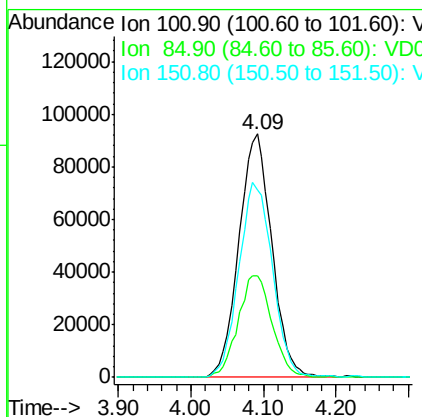
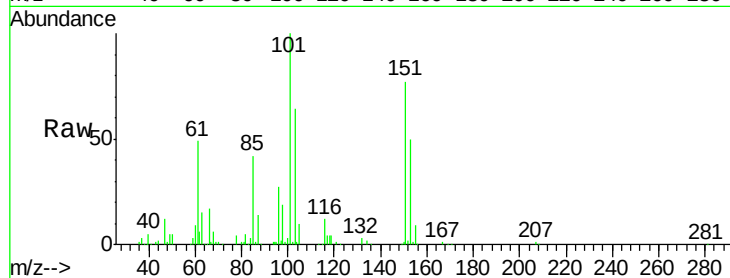
ClientSampleId :

ICVVD020520

Tot Ion:	101	Resp:	292453
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.0	51.0
151	81.7	64.0	96.0

Manual Integrations
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MMDadoda
2/6/2020 10:37:24 AM



#10

Methyl Iodide

Concen: 56.138 ug/l

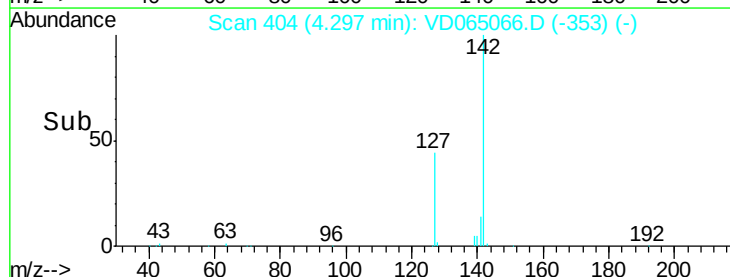
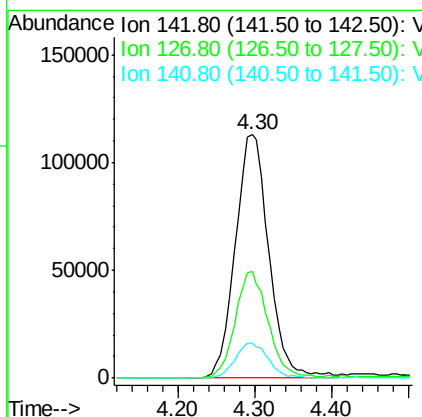
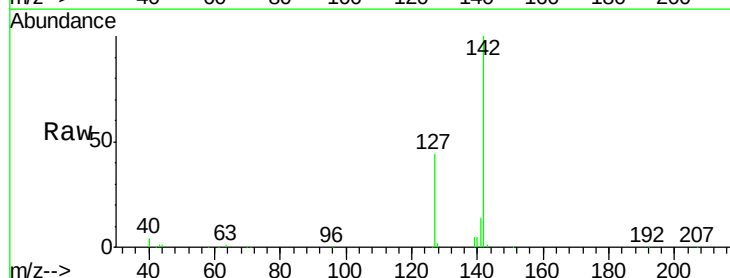
RT: 4.30 min Scan# 404

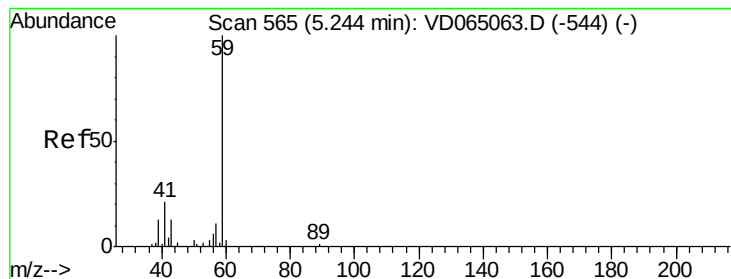
Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Tgt Ion:	142	Resp:	345694
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.0	51.0
141	14.4	11.6	17.4





#11

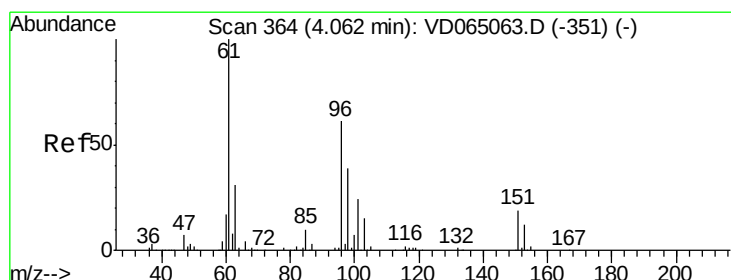
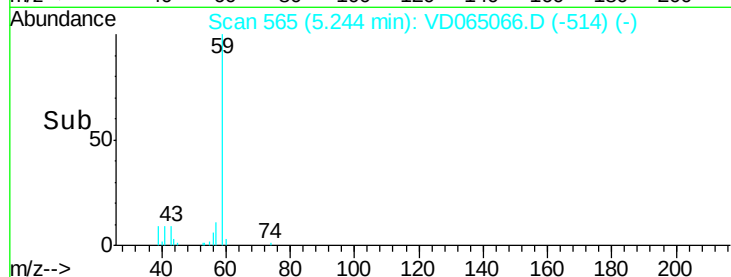
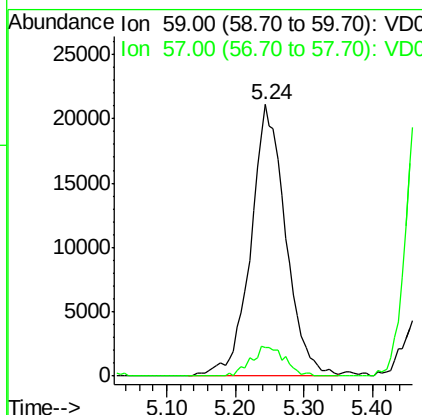
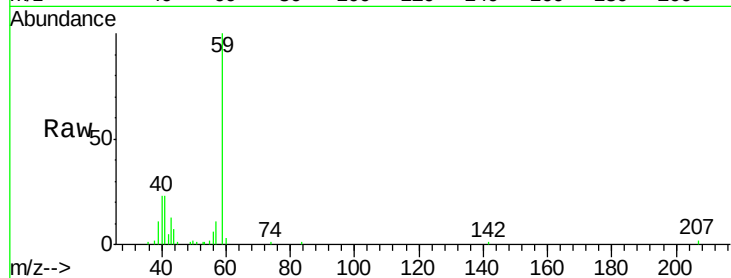
Tert butyl alcohol
Concen: 246.004 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
ICVVD020520

Tot Ion	59	Resp	74778
Ion Ratio	100	Lower	Upper
57	10.5	8.8	13.2

Manual Integrations
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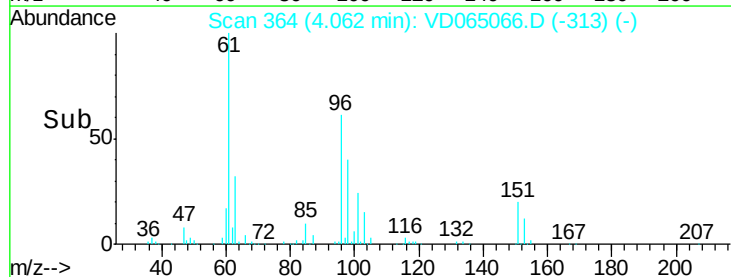
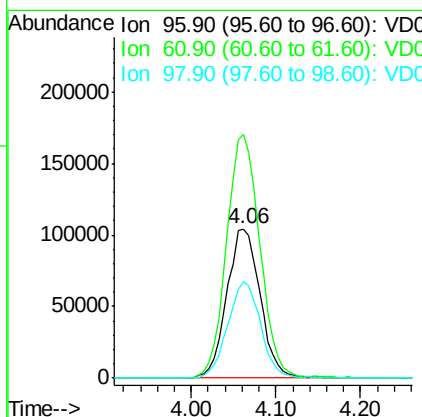
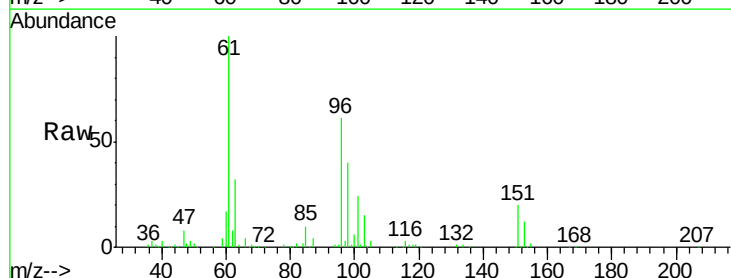
MMDadoda
2/6/2020 10:37:24 AM

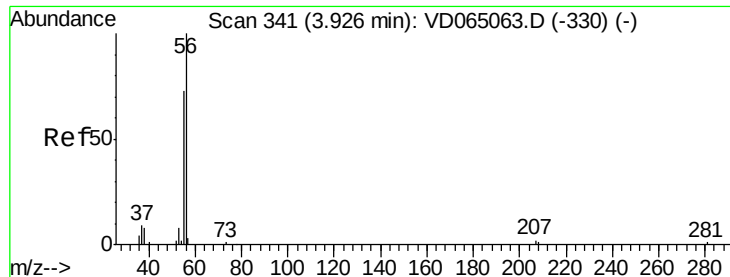


#12

1,1-Dichloroethene
Concen: 55.151 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion	96	Resp	284972
Ion Ratio	100	Lower	Upper
61	163.3	131.4	197.2
98	65.1	51.1	76.7





#13

Acrolein

Concen: 227.696 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

ICVVD020520

Tot Ion: 56 Resp: 85130

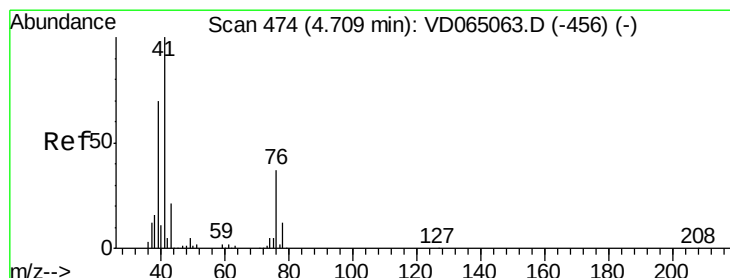
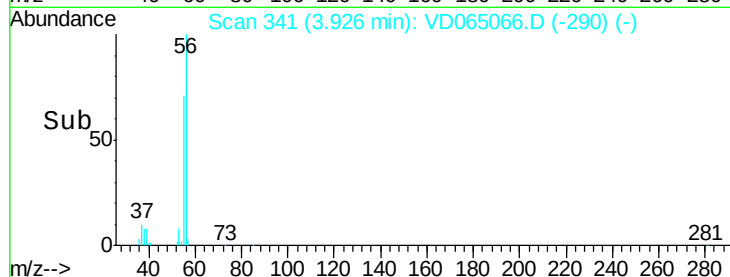
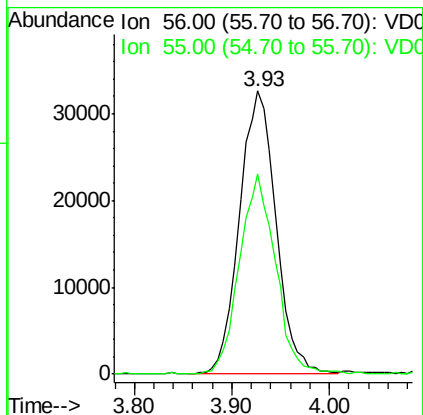
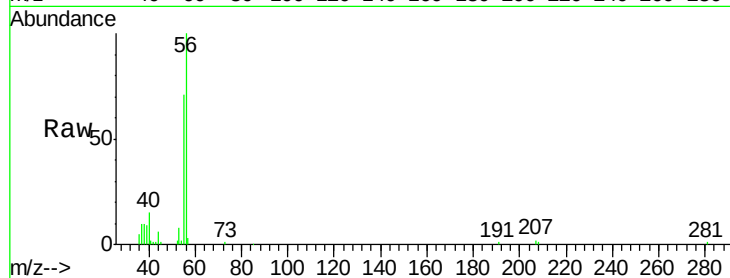
Ion Ratio Lower Upper

56 100

55 69.6 58.2 87.2

Manual Integrations
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MMDadoda
2/6/2020 10:37:24 AM



#14

Allyl chloride

Concen: 54.408 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

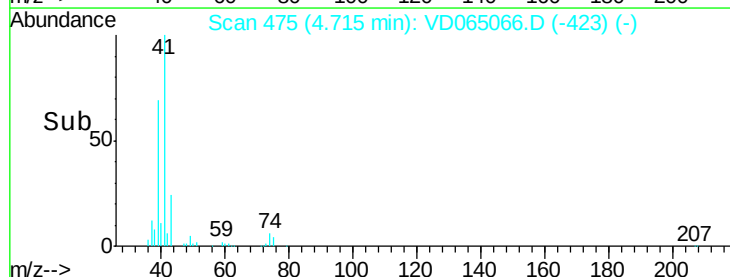
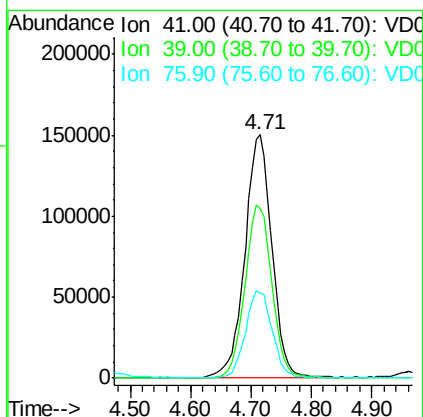
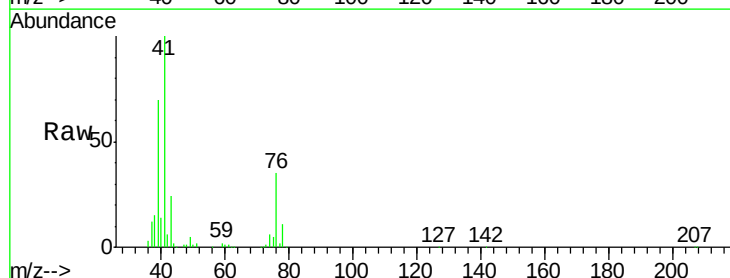
Tgt Ion: 41 Resp: 467237

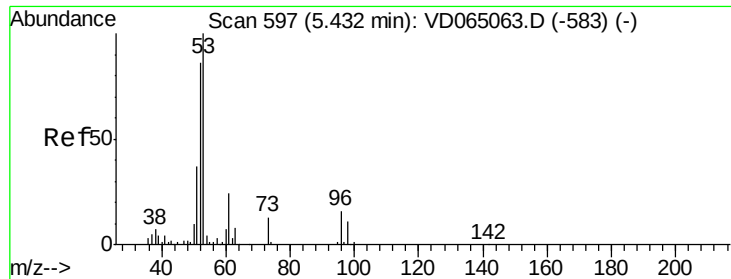
Ion Ratio Lower Upper

41 100

39 70.9 57.1 85.7

76 34.9 28.0 42.0





#15

Acrylonitrile

Concen: 253.759 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

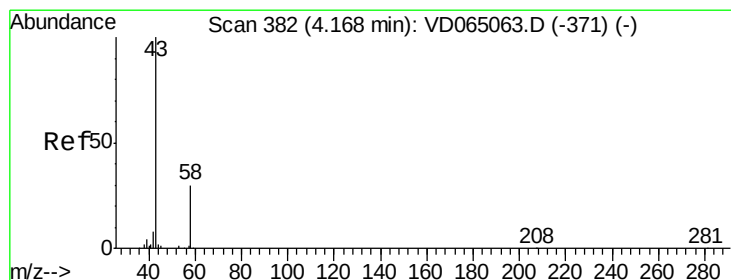
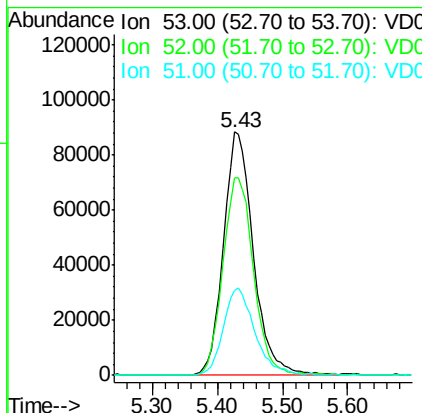
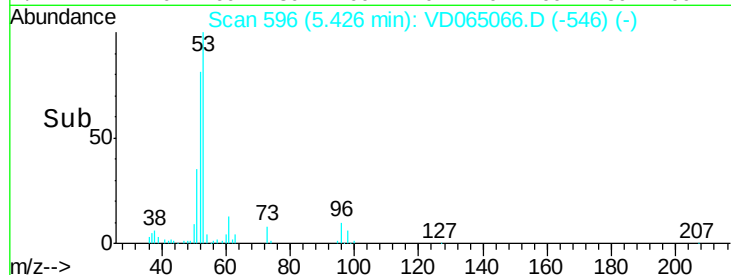
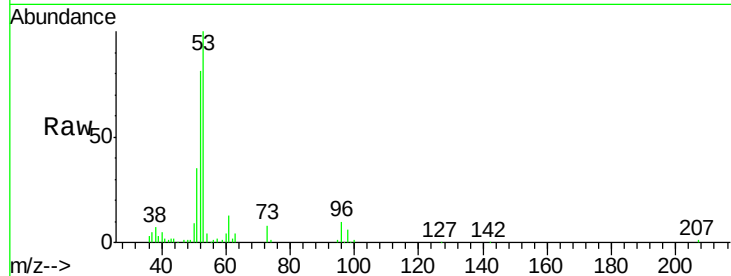
ClientSampleId :

ICVVD020520

Tot Ion:	53	Resp:	281074
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.2	99.2
51	37.8	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 243.831 ug/l

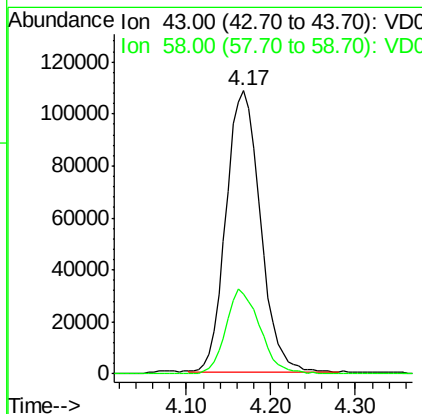
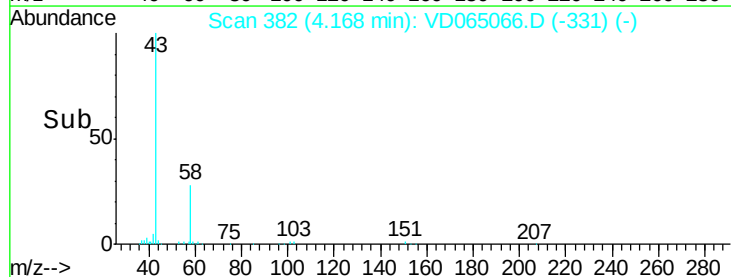
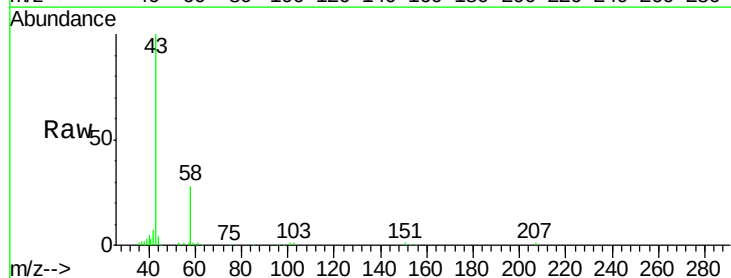
RT: 4.17 min Scan# 382

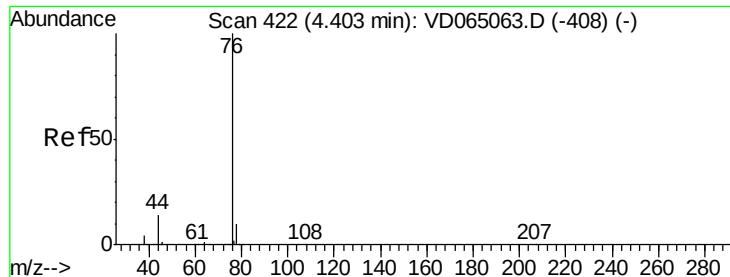
Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Tgt Ion:	43	Resp:	303290
Ion	Ratio	Lower	Upper
43	100		
58	27.9	23.5	35.3





#17

Carbon Disulfide

Concen: 55.120 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

ICVVD020520

Tot Ion: 76 Resp: 914467

Ion Ratio Lower Upper

76 100

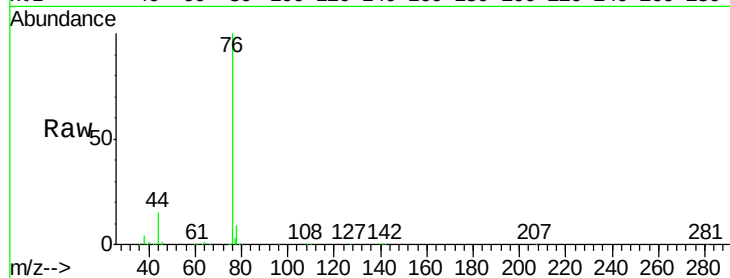
78 9.3 7.6 11.4

Manual Integrations

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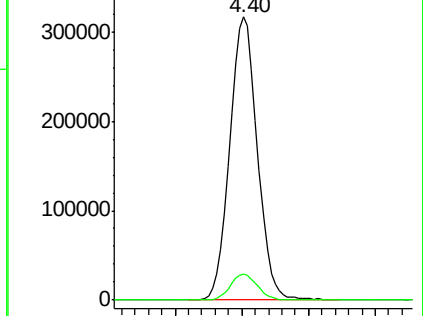
MMDadoda

2/6/2020 10:37:24 AM

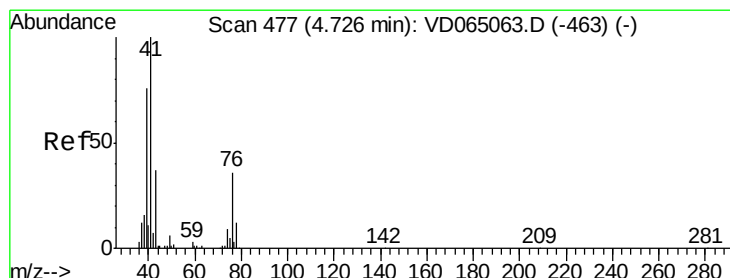
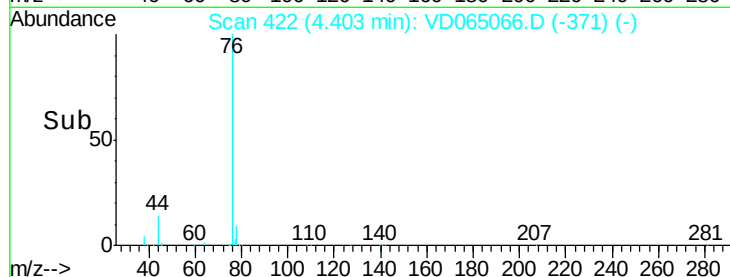


Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



Time-->



#18

Methyl Acetate

Concen: 49.692 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065066.D

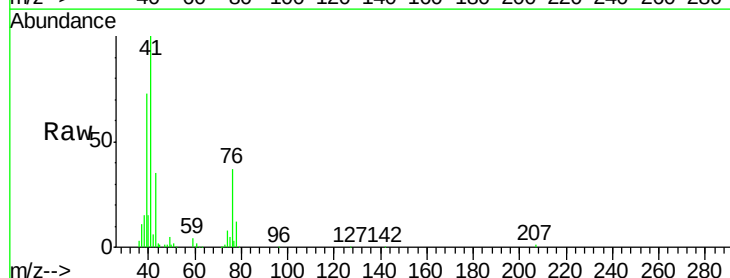
Acq: 05 Feb 2020 16:01

Tgt Ion: 43 Resp: 129139

Ion Ratio Lower Upper

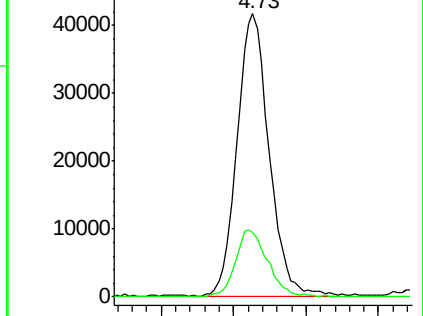
43 100

74 23.4 18.7 28.1

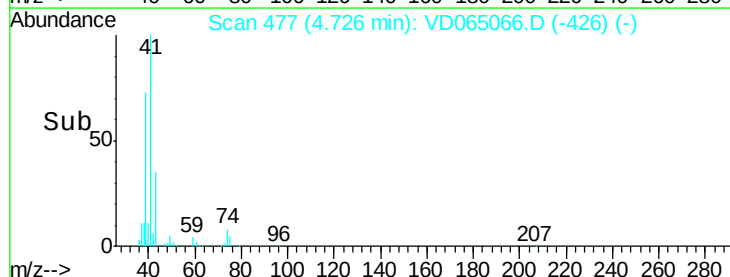


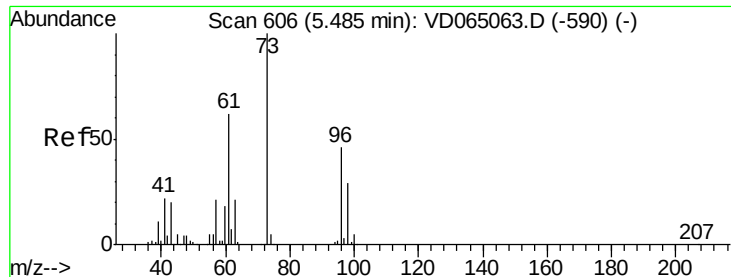
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->





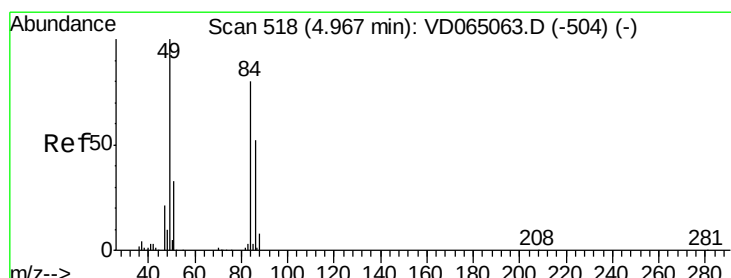
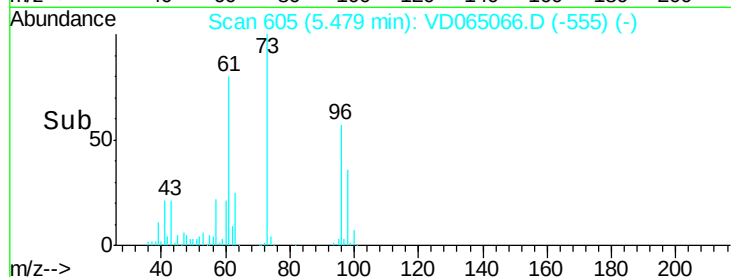
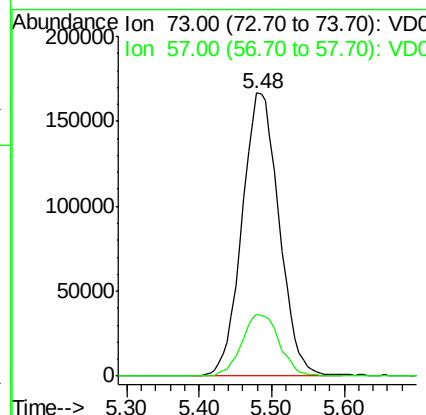
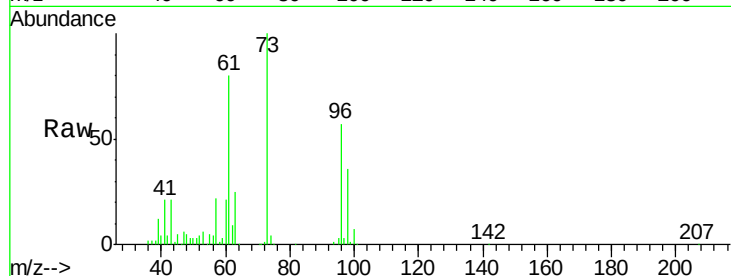
#19
Methyl tert-butyl Ether
Concen: 51.886 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
ICVVD020520

Tot Ion: 73 Resp: 592865
Ion Ratio Lower Upper
73 100
57 21.8 16.8 25.2

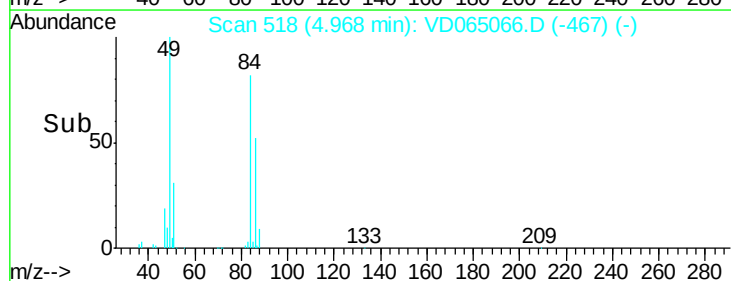
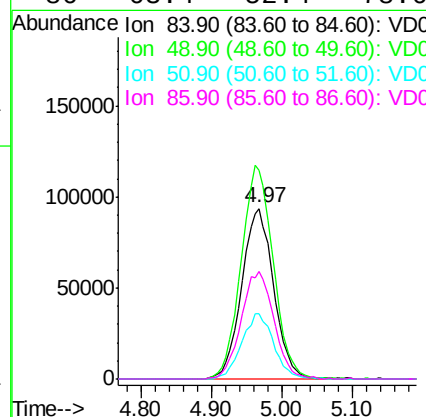
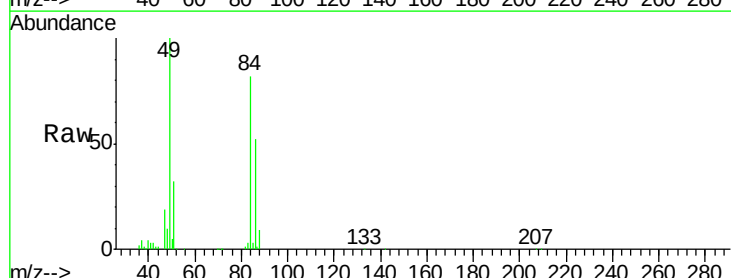
Manual Integrations
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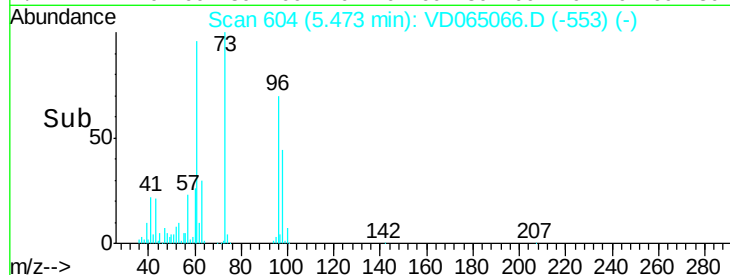
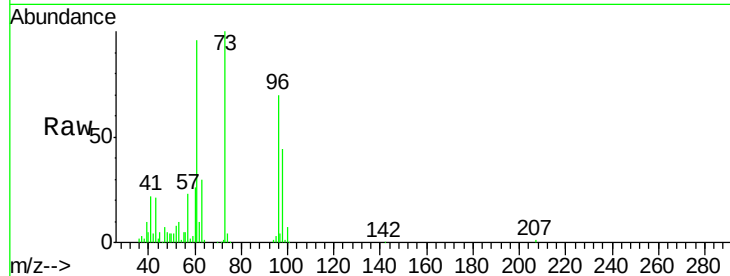
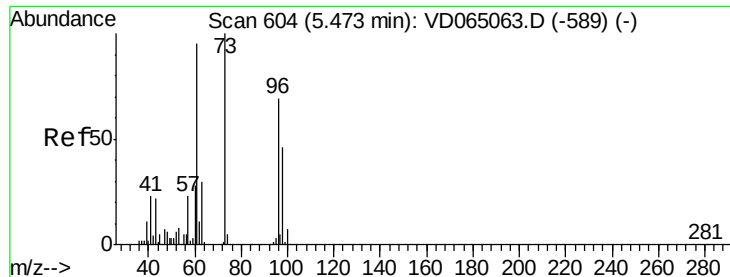
MMDadoda
2/6/2020 10:37:24 AM



#20
Methylene Chloride
Concen: 54.230 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion: 84 Resp: 295187
Ion Ratio Lower Upper
84 100
49 122.4 100.4 150.6
51 38.6 32.7 49.1
86 63.4 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 53.861 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Tot Ion:	96	Resp:	314869
Ion	Ratio	Lower	Upper
96	100		
61	138.0	109.5	164.3
98	63.7	53.7	80.5

Instrument :

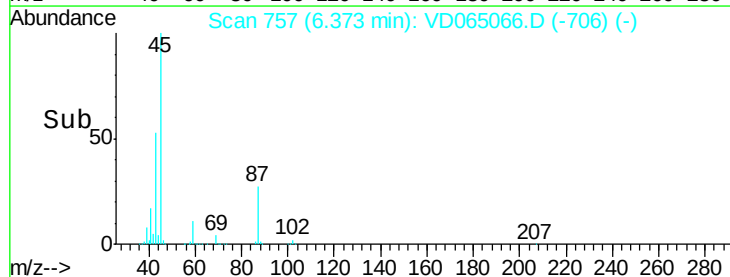
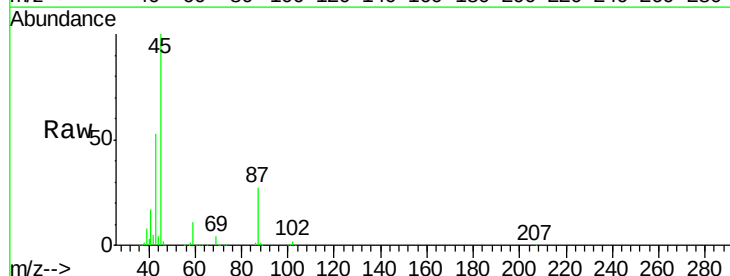
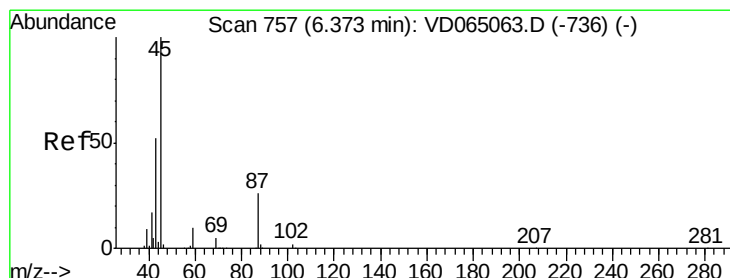
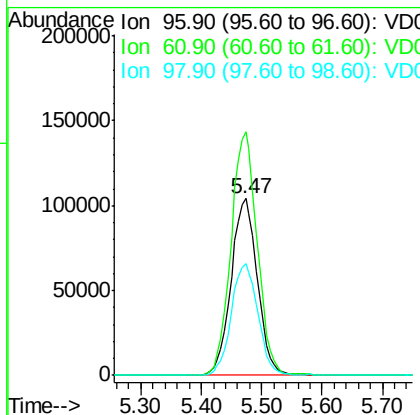
MSVOA_D

ClientSampleId :

ICVVD020520

Manual Integrations
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MMDadoda
2/6/2020 10:37:24 AM



#22

Diisopropyl ether

Concen: 52.914 ug/l

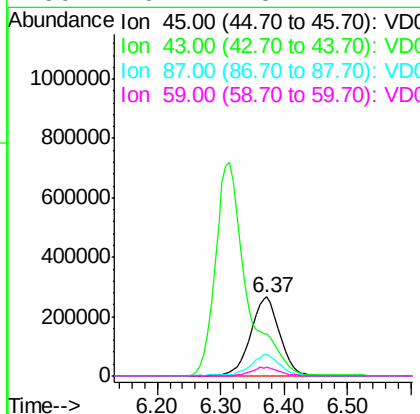
RT: 6.37 min Scan# 757

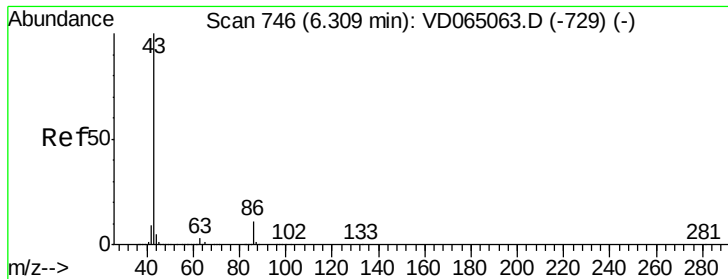
Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Tgt Ion:	45	Resp:	857112
Ion	Ratio	Lower	Upper
45	100		
43	52.0	41.3	61.9
87	26.6	21.0	31.6
59	10.7	8.2	12.4





#23

Vinyl Acetate

Concen: 271.687 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

ICVVD020520

Tot Ion: 43 Resp: 2452954

Ion Ratio Lower Upper

43 100

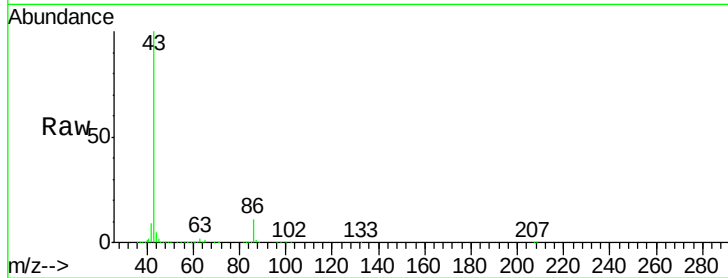
86 10.8 8.5 12.7

Manual Integrations

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MMDadoda

2/6/2020 10:37:24 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

800000

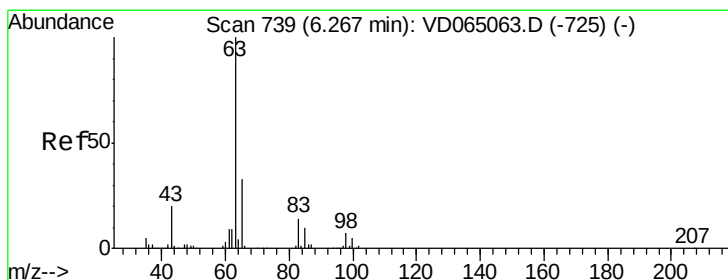
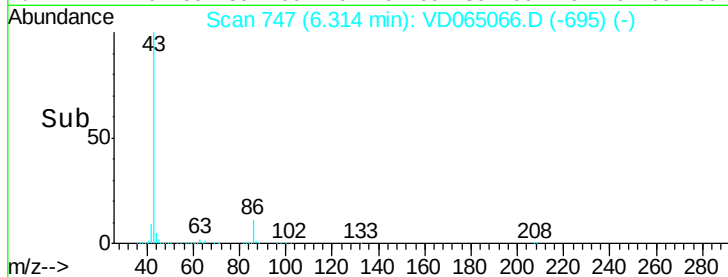
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.126 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

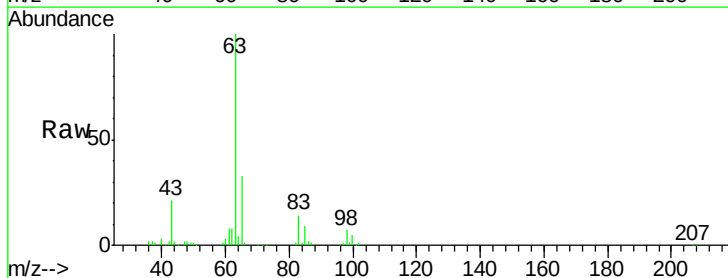
Tgt Ion: 63 Resp: 520877

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 4.5 2.5 7.6



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

200000

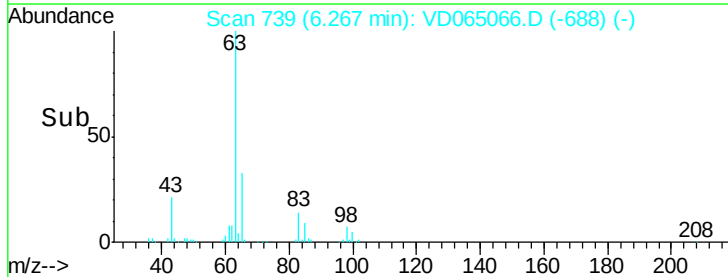
150000

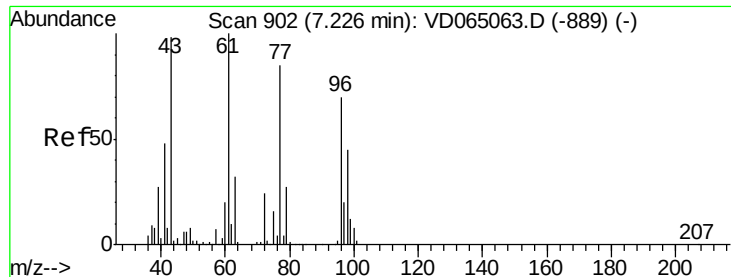
100000

50000

0

Time-->





#25

2-Butanone

Concen: 248.473 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

ICVVD020520

Tot Ion: 43 Resp: 368669

Ion Ratio Lower Upper

43 100

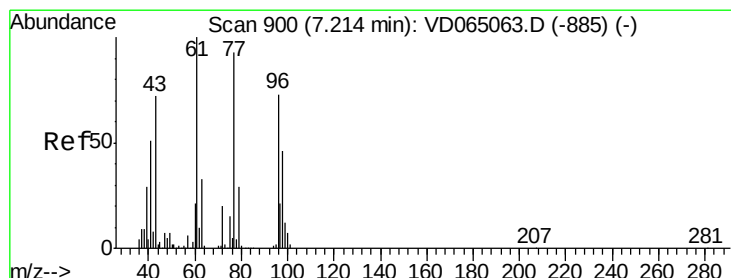
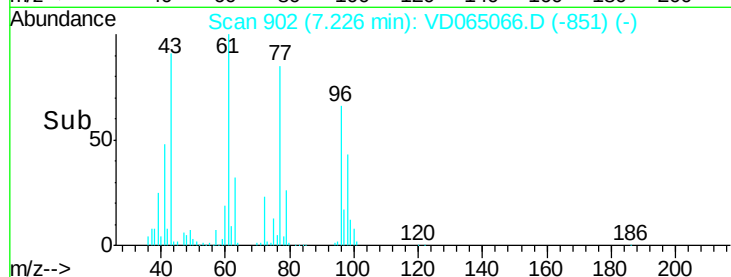
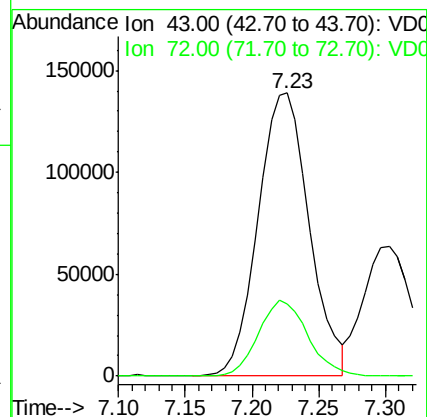
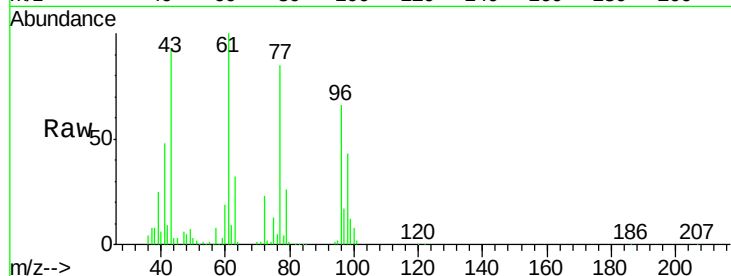
72 25.5 19.9 29.9

Manual Integrations

APPROVED

MMDadoda

2/6/2020 10:37:24 AM



#26

2,2-Dichloropropane

Concen: 54.967 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065066.D

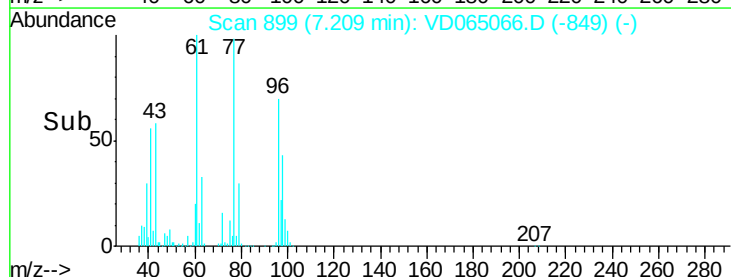
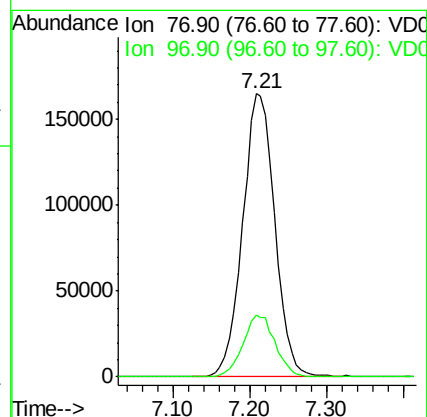
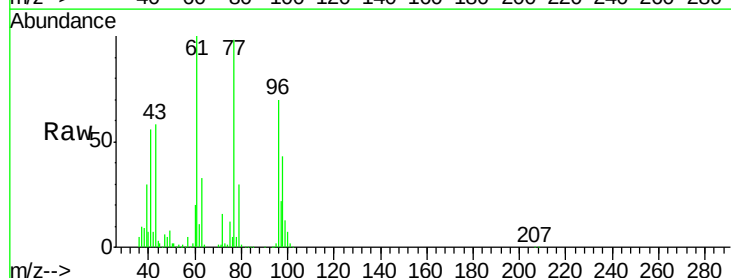
Acq: 05 Feb 2020 16:01

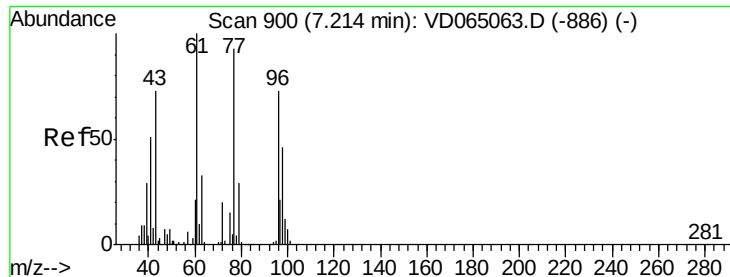
Tgt Ion: 77 Resp: 483054

Ion Ratio Lower Upper

77 100

97 21.8 10.9 32.6





#27

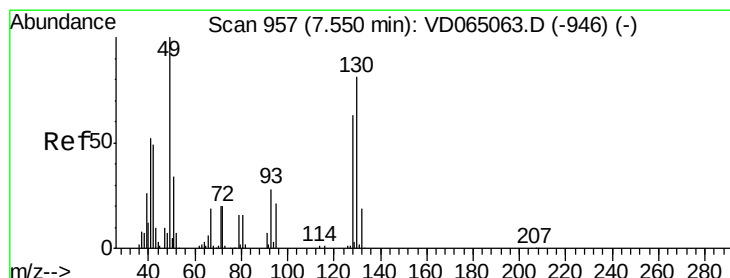
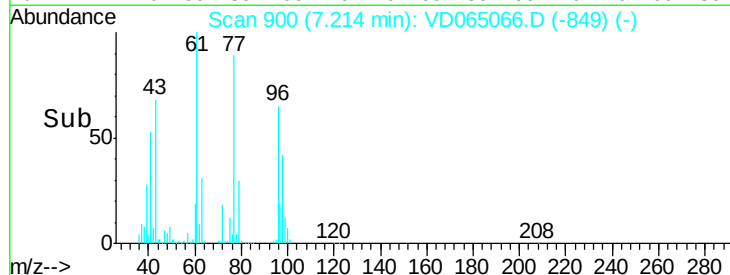
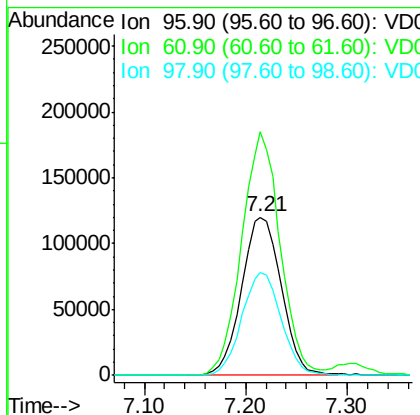
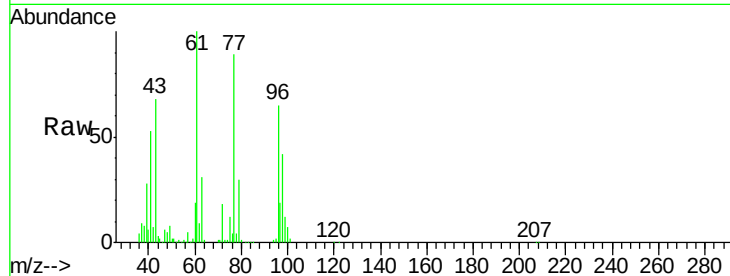
cis-1,2-Dichloroethene
Concen: 52.653 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampled :
ICVVD020520

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	292.8
98	64.4	0.0	128.8

Manual Integrations
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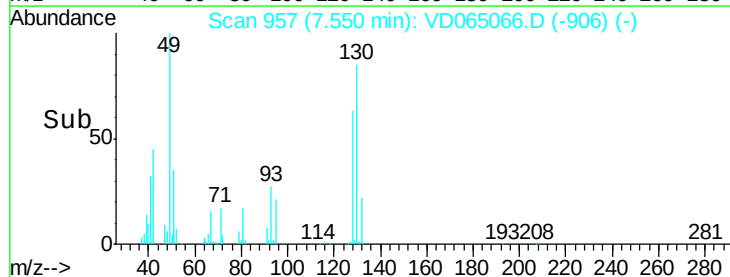
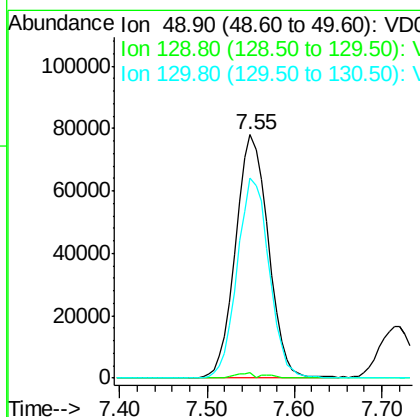
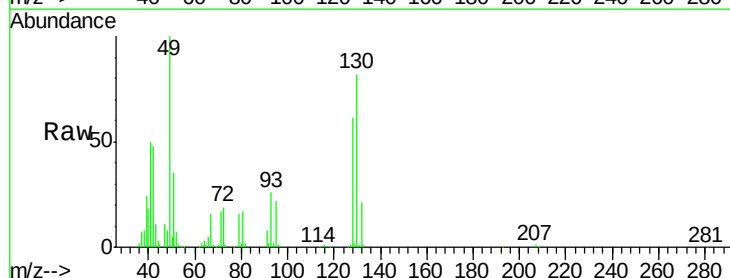
MMDadoda
2/6/2020 10:37:24 AM

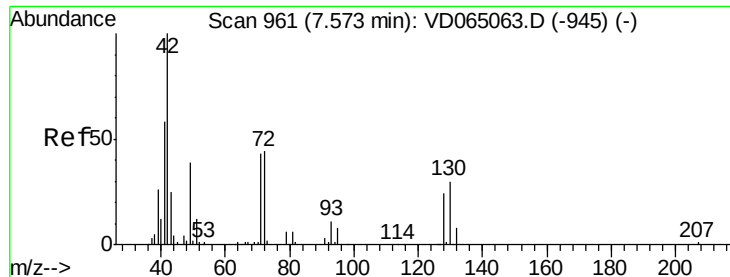


#28

Bromochloromethane
Concen: 53.388 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.4
130	80.2	63.8	95.8





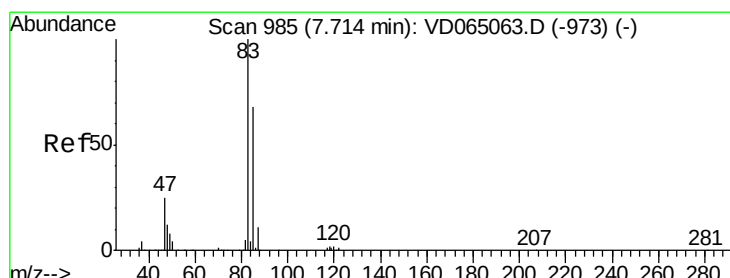
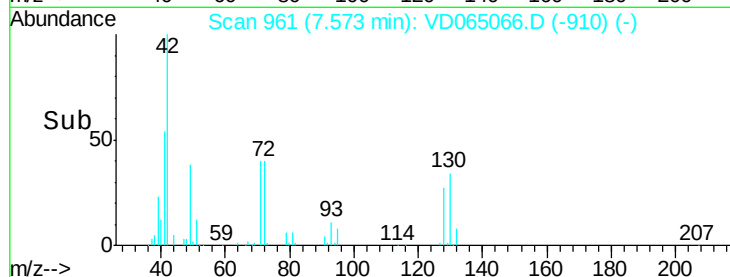
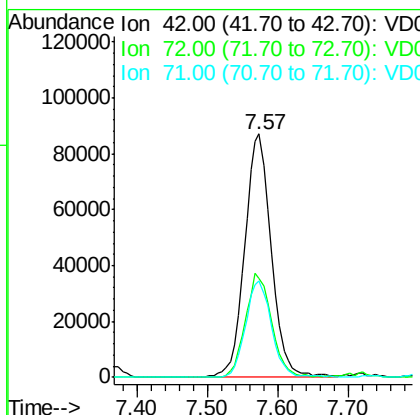
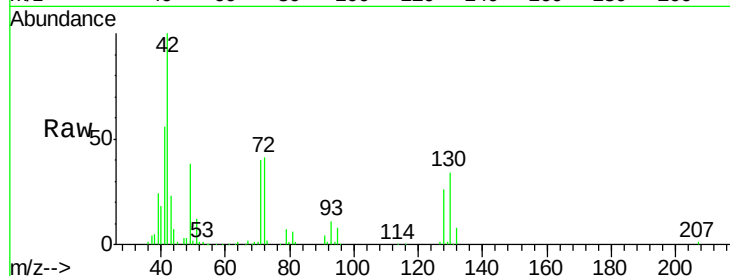
#29
Tetrahydrofuran
Concen: 254.921 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
ICVVD020520

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.2	51.4
71	38.5	31.8	47.6

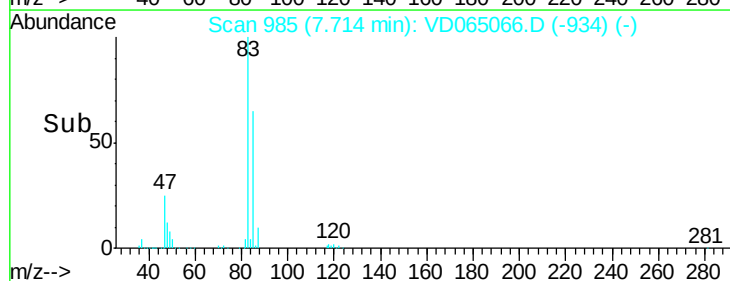
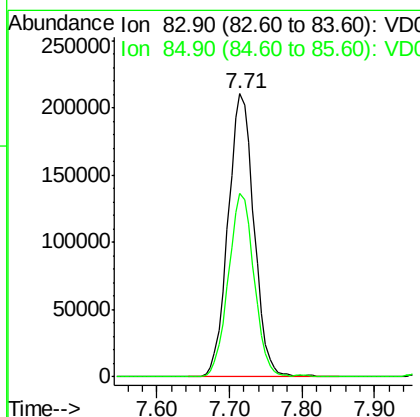
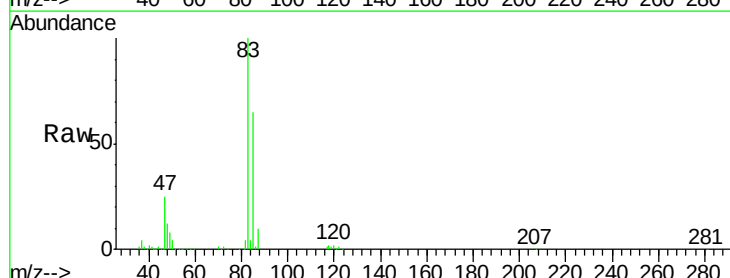
Manual Integrations
APPROVED

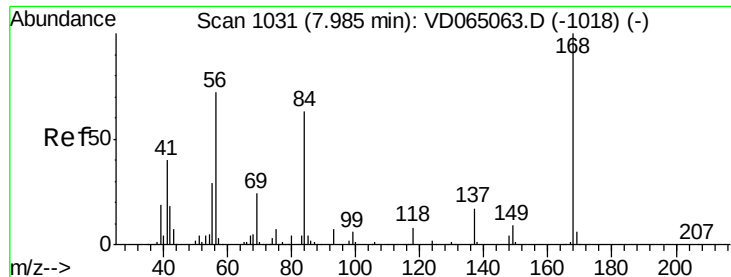
MMDadoda
2/6/2020 10:37:24 AM



#30
Chloroform
Concen: 53.452 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	54.2	81.4





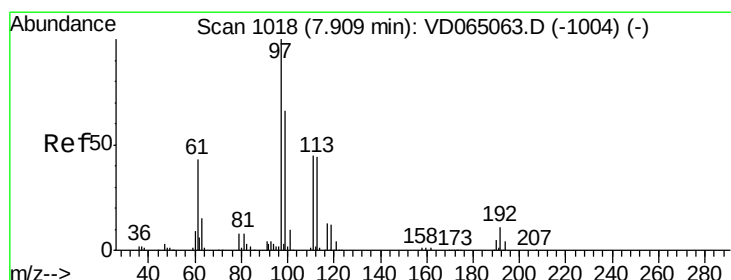
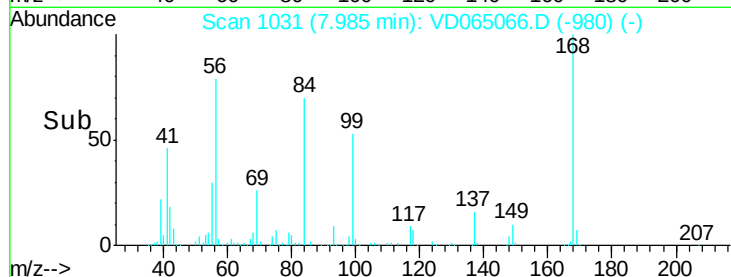
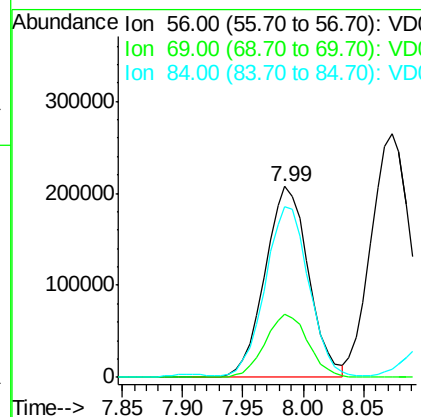
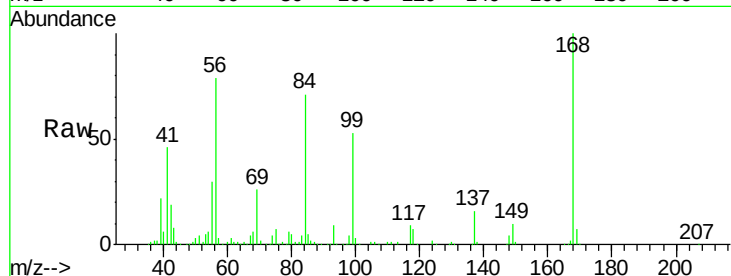
#31
Cyclohexane
Concen: 52.298 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
ICVVD020520

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.6	40.0
84	88.1	70.6	106.0

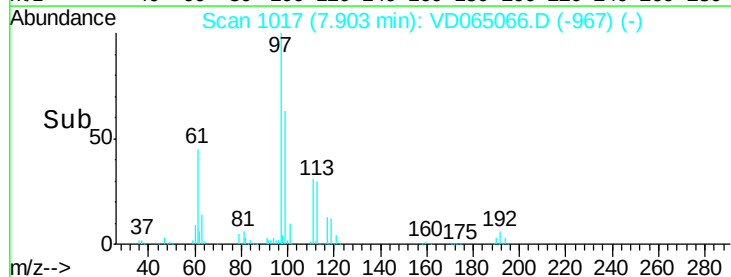
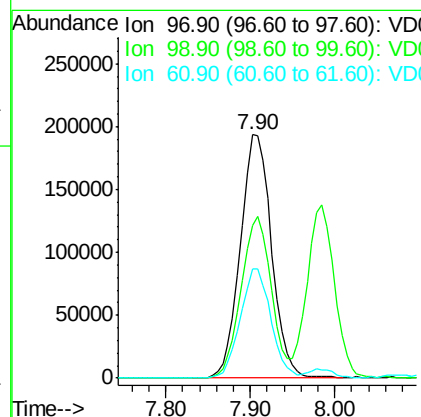
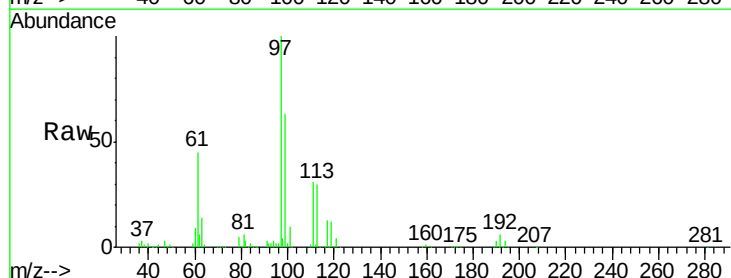
Manual Integrations
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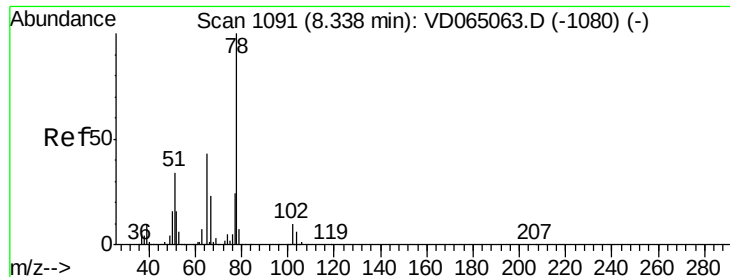
MMDadoda
2/6/2020 10:37:24 AM



#32
1,1,1-Trichloroethane
Concen: 54.536 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	43.7	34.8	52.2





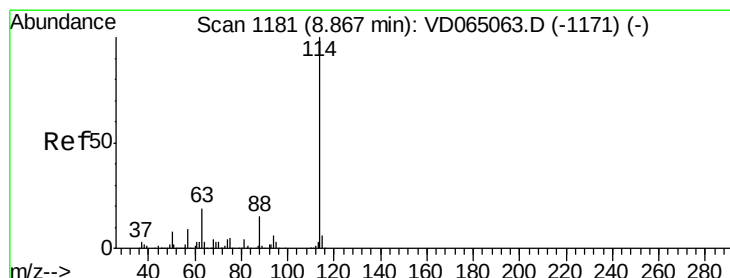
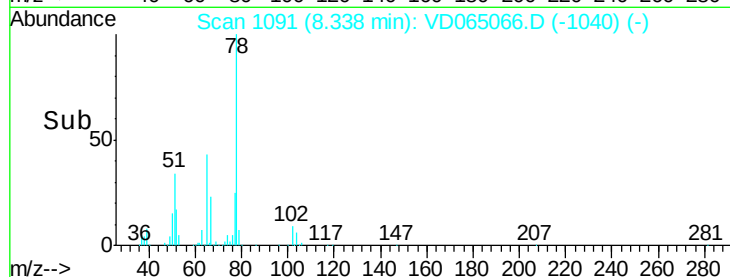
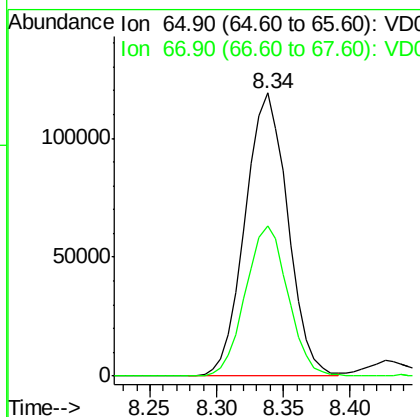
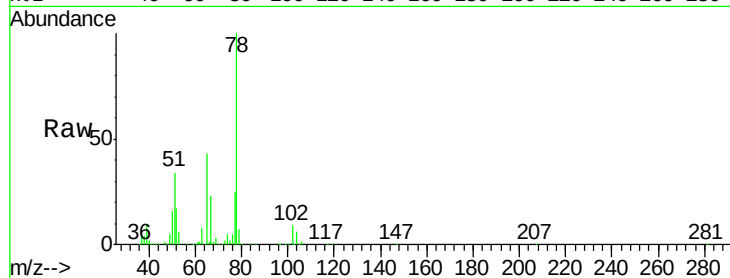
#33
 1,2-Dichloroethane-d4
 Concen: 53.061 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD020520

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.7	0.0	105.8	

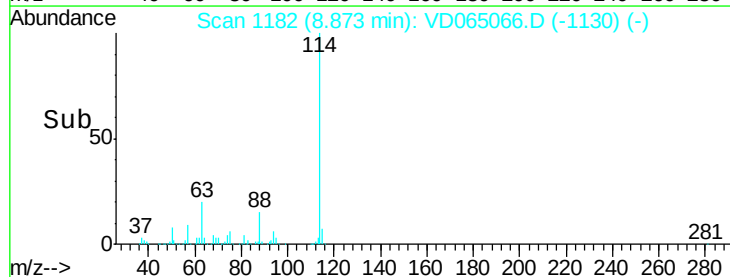
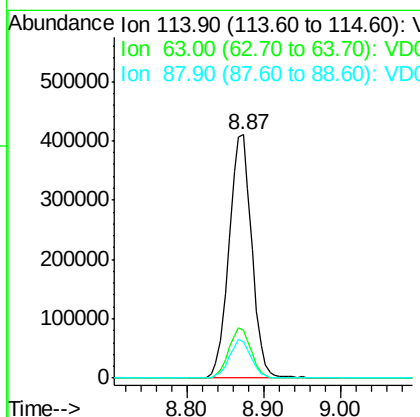
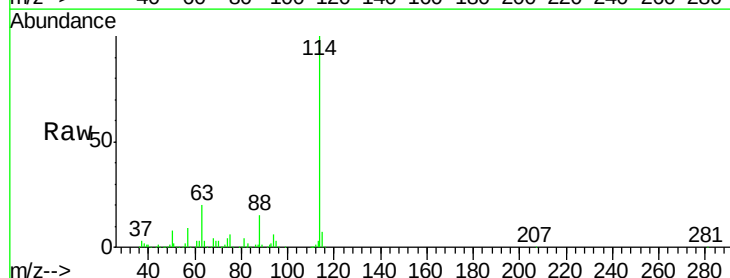
Manual Integrations
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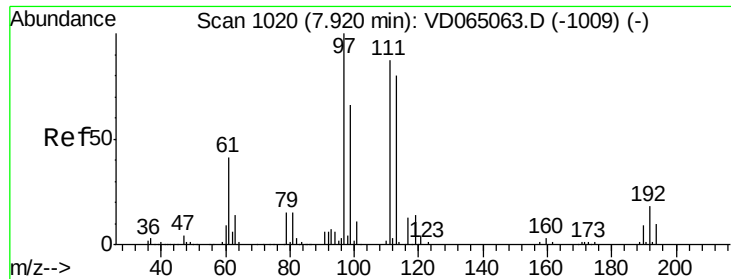
MMDadoda
 2/6/2020 10:37:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	38.8	
88	15.1	0.0	29.6	





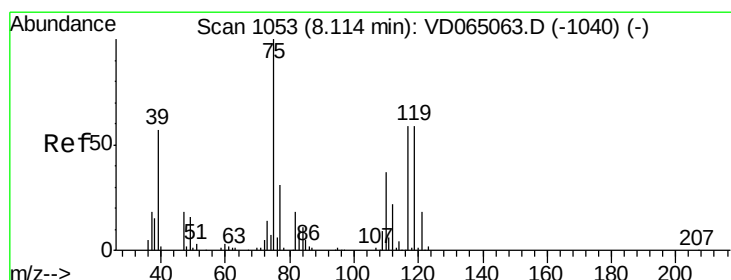
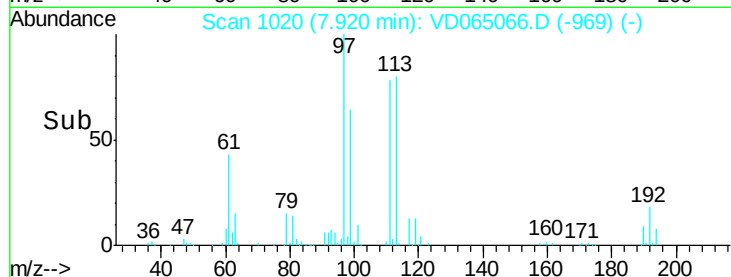
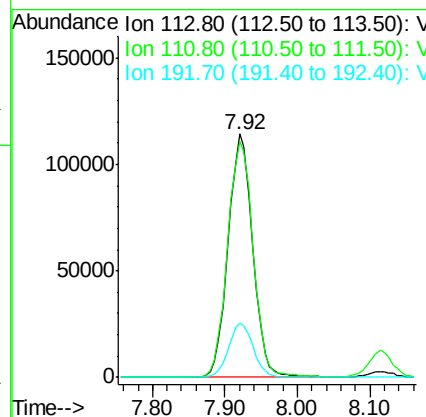
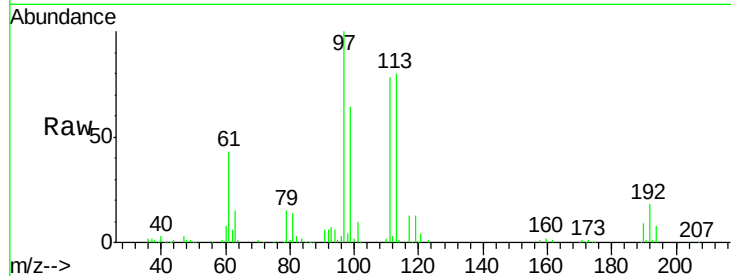
#35
 Dibromofluoromethane
 Concen: 57.107 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD020520

Tot Ion	Ratio	Resp	Lower	Upper
113	100	270046		
111	101.0		83.1	124.7
192	22.0		18.1	27.1

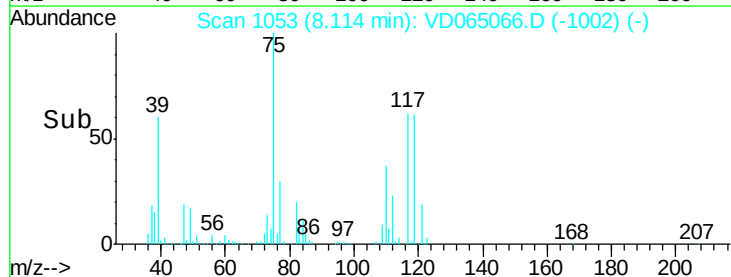
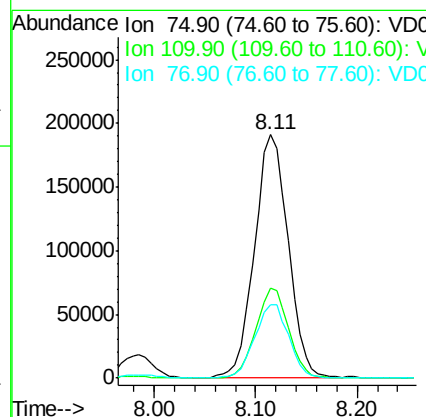
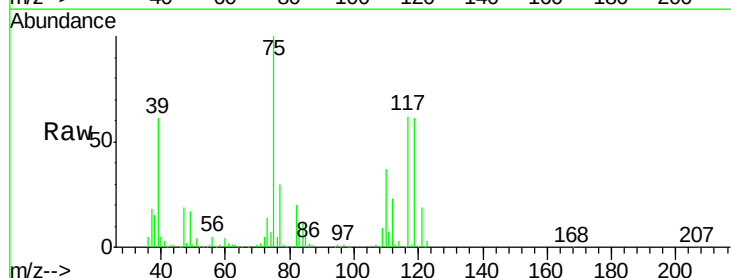
Manual Integrations
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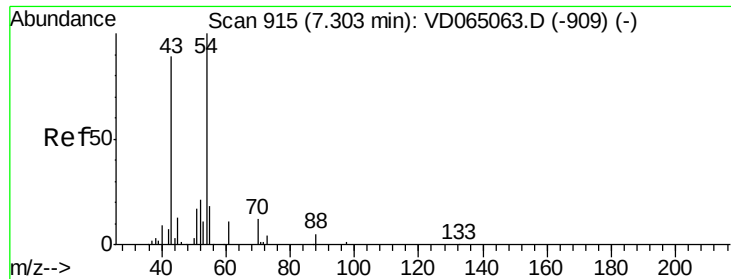
MMDadoda
 2/6/2020 10:37:24 AM



#36
 1,1-Dichloropropene
 Concen: 55.742 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	439304		
110	36.1		18.1	54.3
77	30.6		24.7	37.1





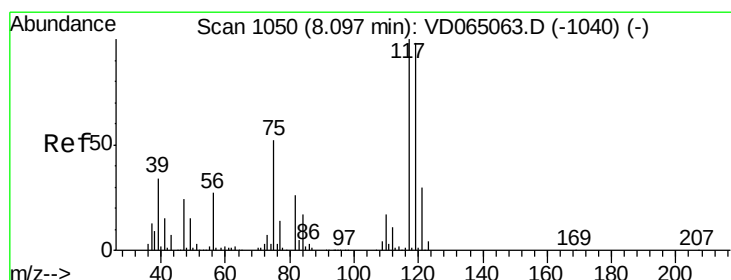
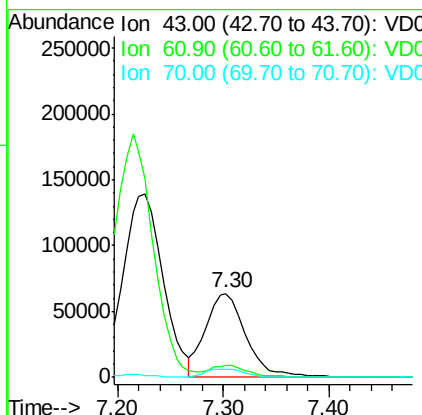
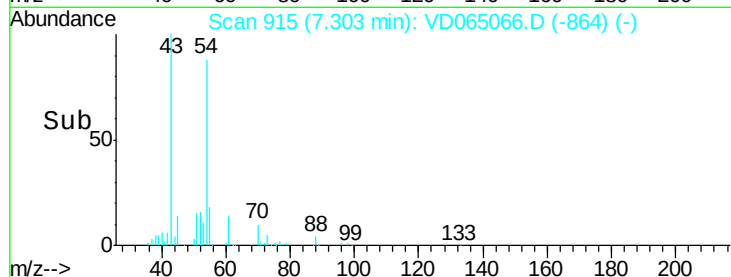
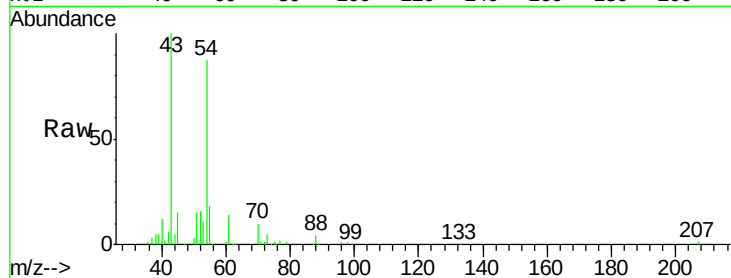
#37
Ethyl Acetate
Concen: 51.833 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
ICVVD020520

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.0	16.4
70	9.9	8.2	12.2

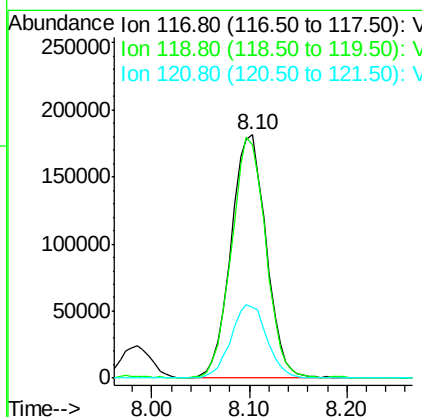
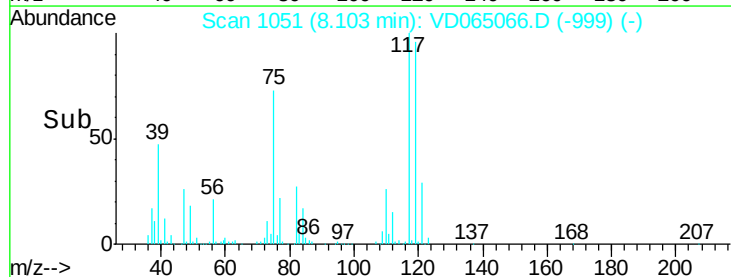
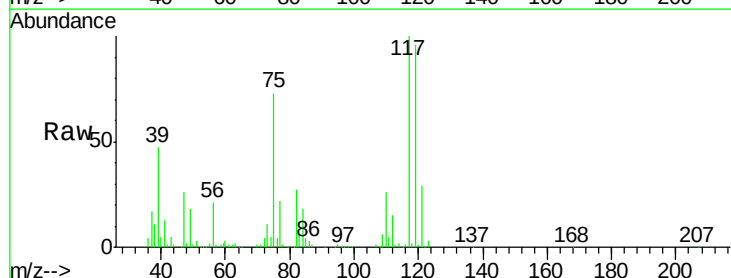
Manual Integrations
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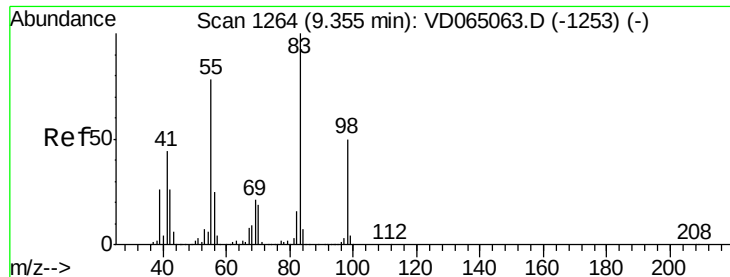
MMDadoda
2/6/2020 10:37:24 AM



#38
Carbon Tetrachloride
Concen: 55.886 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.5	117.7
121	28.9	23.8	35.6





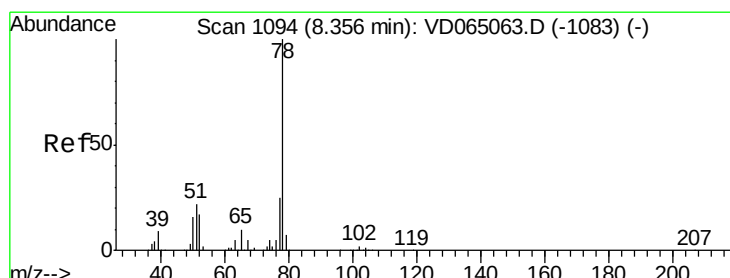
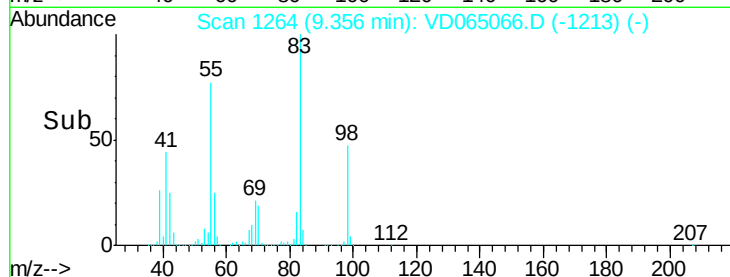
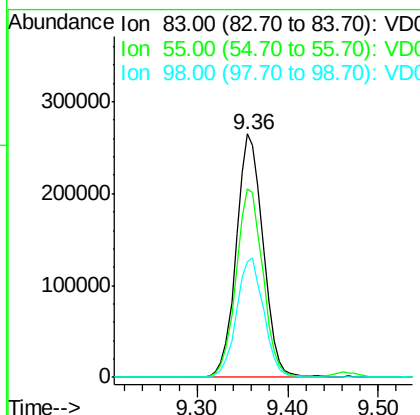
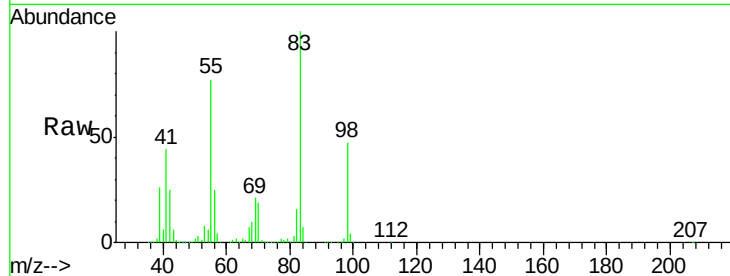
#39
Methylvlcyclohexane
Concen: 56.161 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
ICVVD020520

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.4	62.0	93.0	
98	47.3	39.9	59.9	

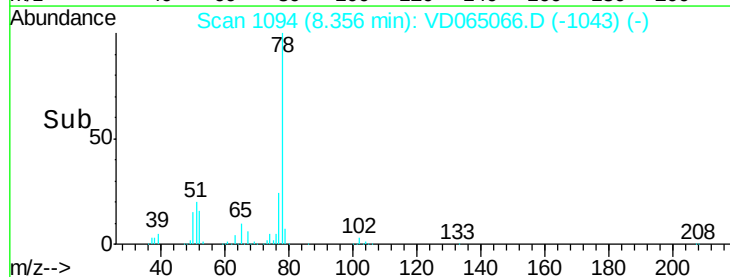
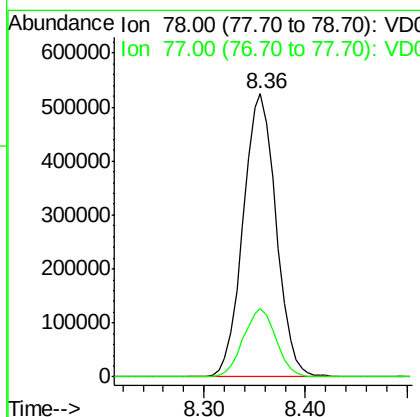
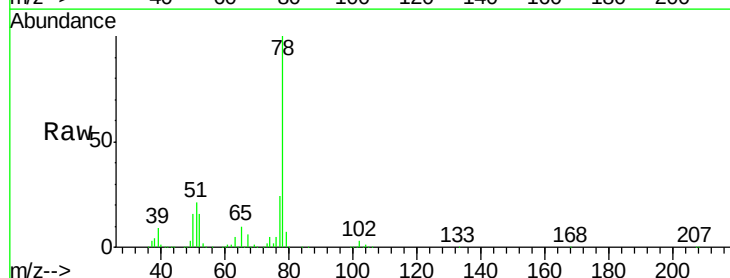
Manual Integrations
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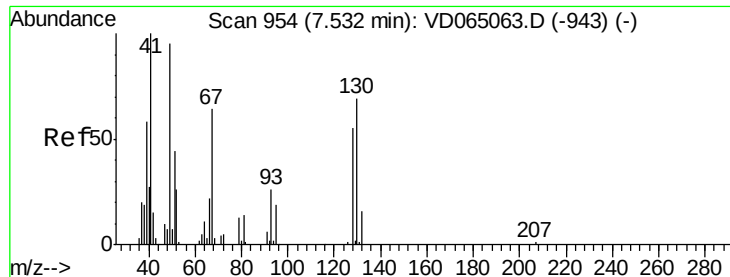
MMDadoda
2/6/2020 10:37:24 AM



#40
Benzene
Concen: 54.303 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	19.6	29.4	





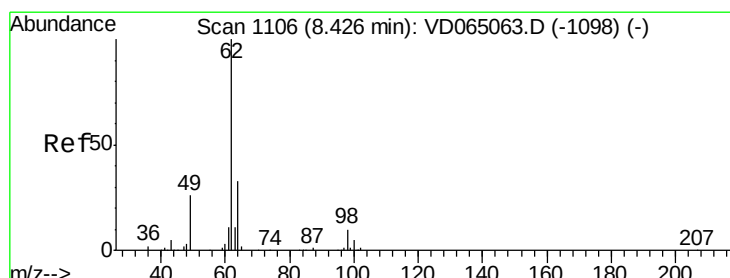
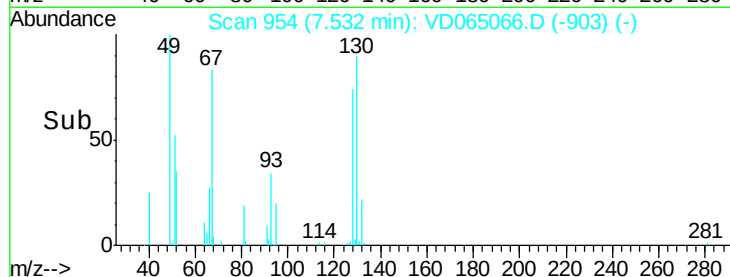
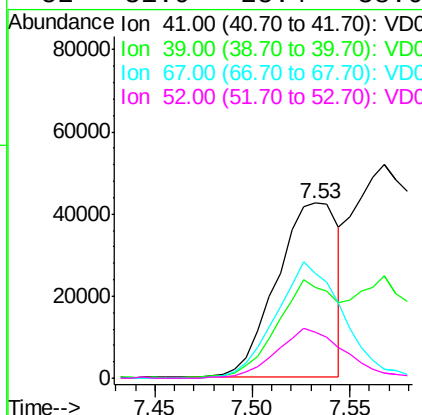
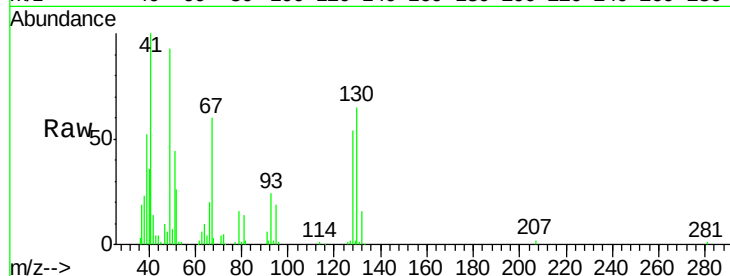
#41
Methacrylonitrile
Concen: 52.331 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
ICVVD020520

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.7	55.4	83.0#
67	73.6	59.0	88.6
52	31.9	25.4	38.0

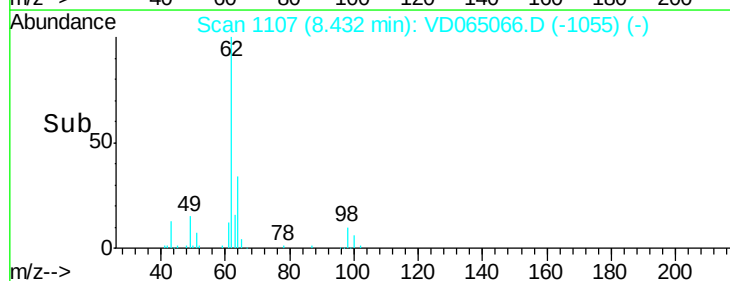
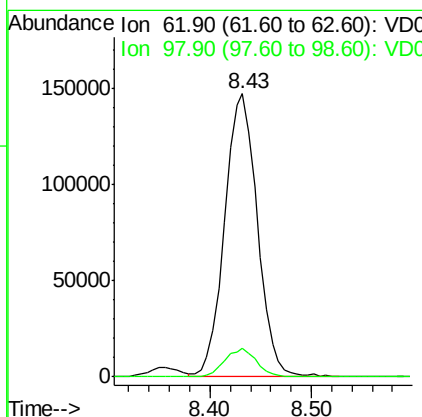
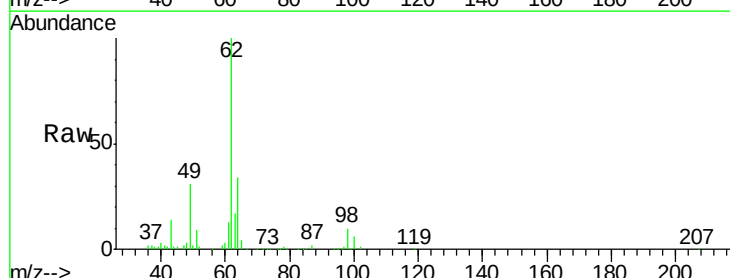
Manual Integrations
APPROVED

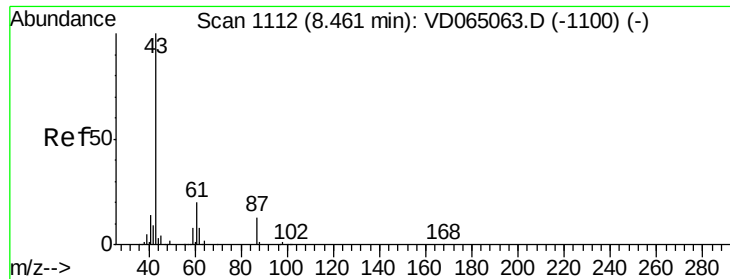
MMDadoda
2/6/2020 10:37:24 AM



#42
1,2-Dichloroethane
Concen: 52.873 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6





#43

Isopropyl Acetate

Concen: 52.097 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

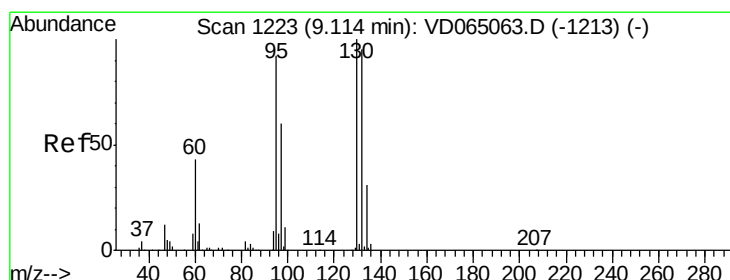
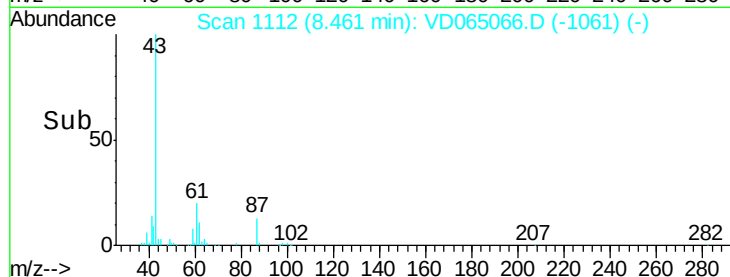
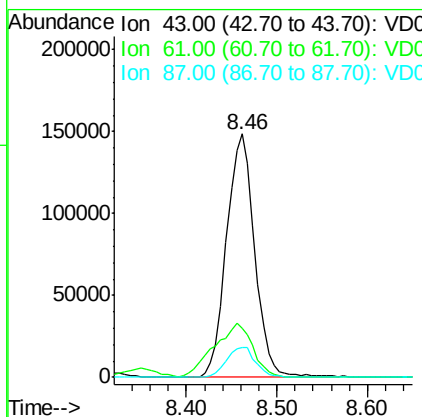
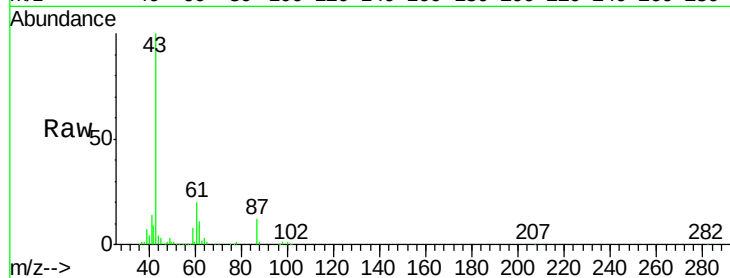
ClientSampleId :

ICVVD020520

Tot Ion	43	Resp	320865
Ion Ratio	Lower	Upper	
43	100		
61	29.8	24.0	36.0
87	12.8	10.2	15.4

Manual Integrations
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2/6/2020 10:37:24 AM



#44

Trichloroethene

Concen: 52.962 ug/l

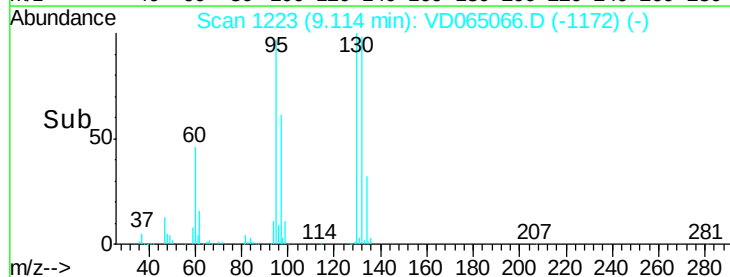
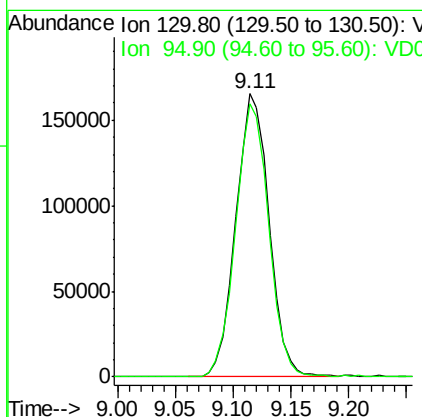
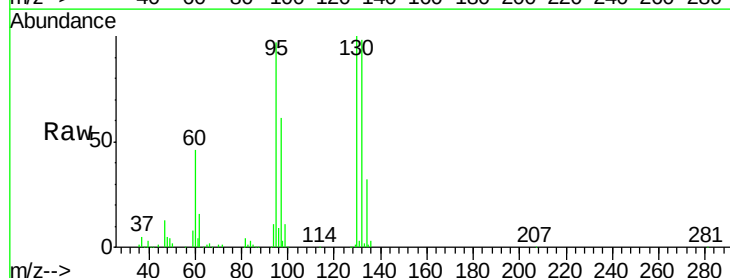
RT: 9.11 min Scan# 1223

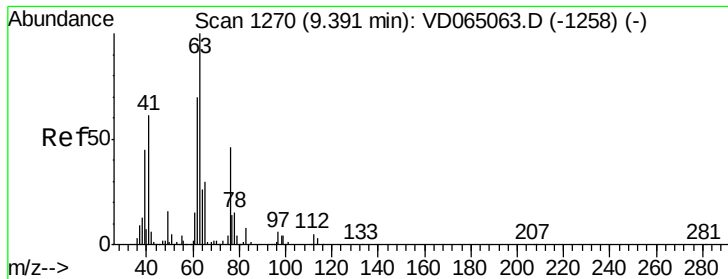
Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Tgt Ion	130	Resp	330838
Ion Ratio	Lower	Upper	
130	100		
95	96.6	0.0	185.0





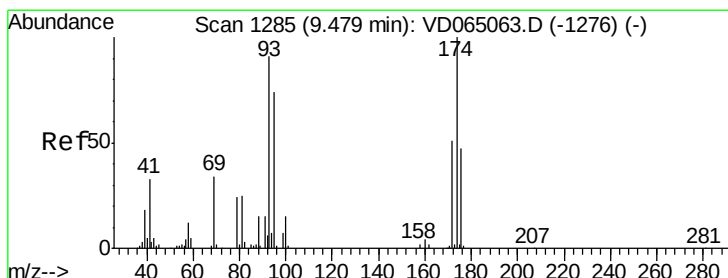
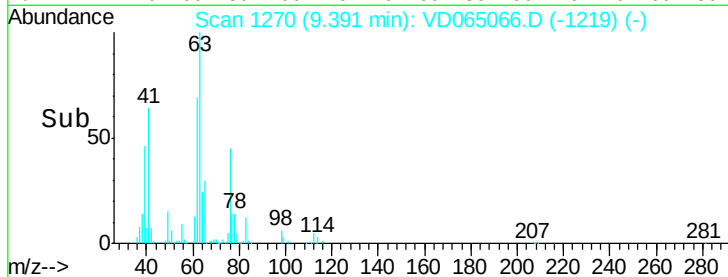
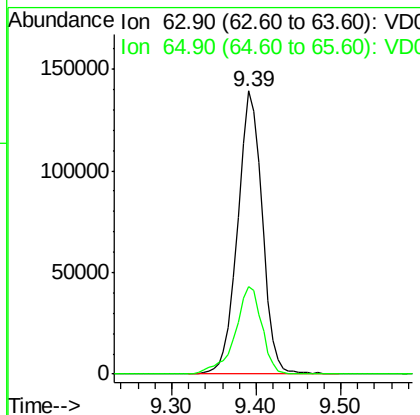
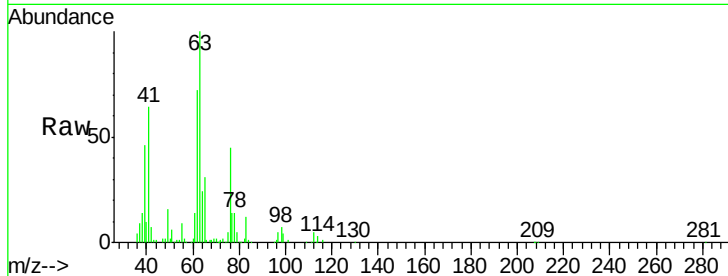
#45
 1,2-Dichloropropane
 Concen: 53.650 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD020520

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	23.9	35.9

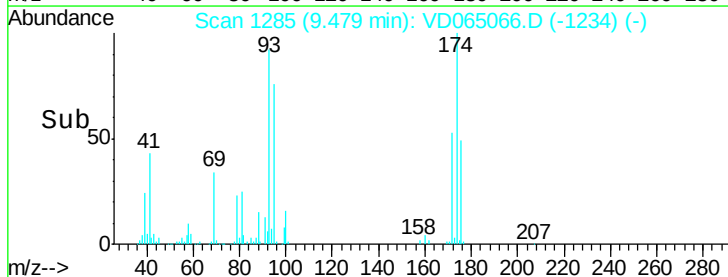
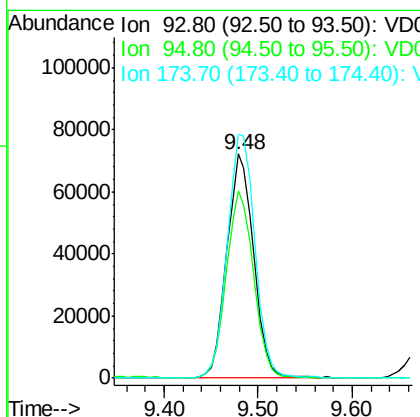
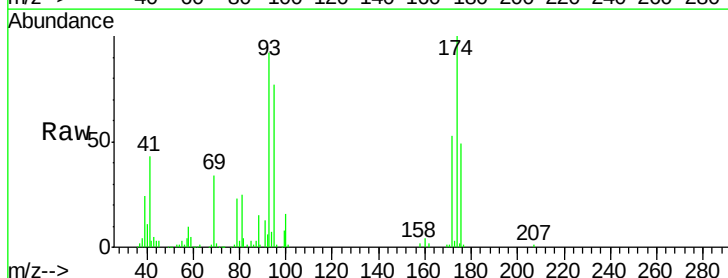
Manual Integrations
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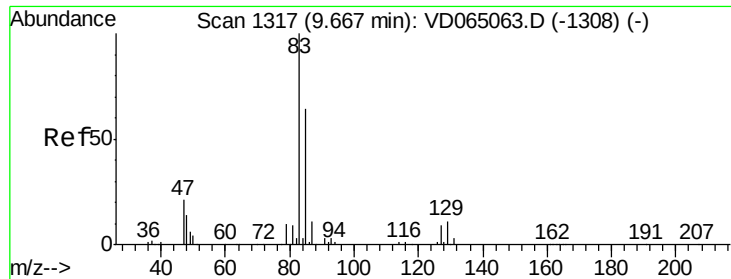
MMDadoda
 2/6/2020 10:37:24 AM



#46
 Dibromomethane
 Concen: 52.386 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.5	99.7
174	111.2	89.8	134.8





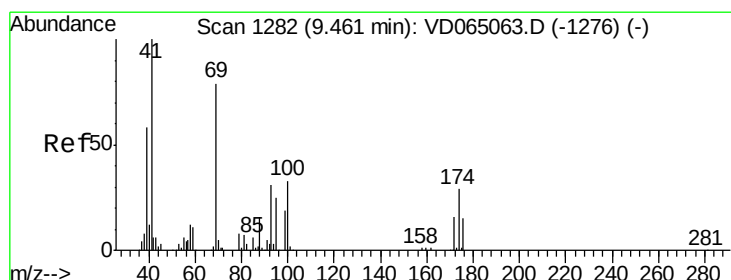
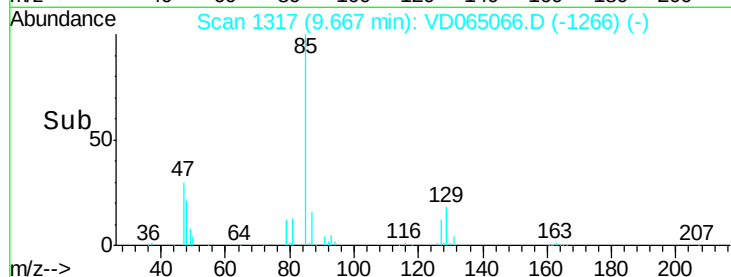
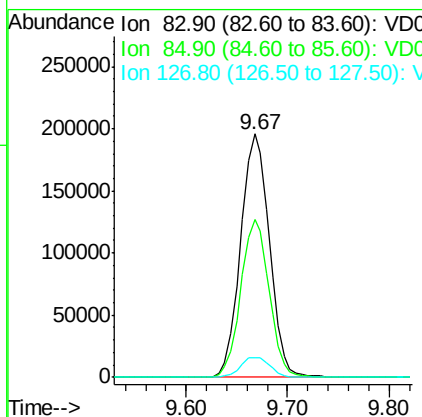
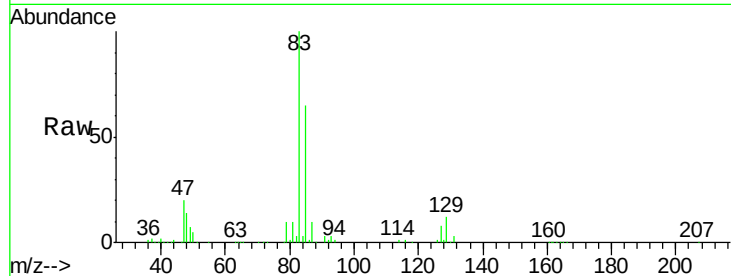
#47
Bromodichloromethane
Concen: 53.484 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
ICVVD020520

Tot Ion	Ratio	Resp	Lower	Upper
83	100	386396		
85	64.8	51.0	76.6	
127	8.0	7.3	10.9	

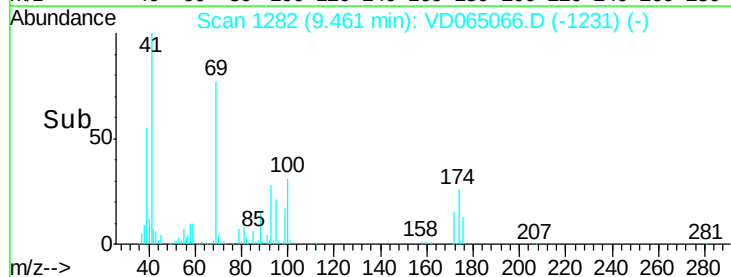
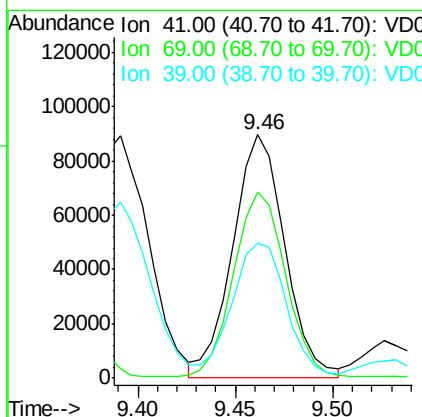
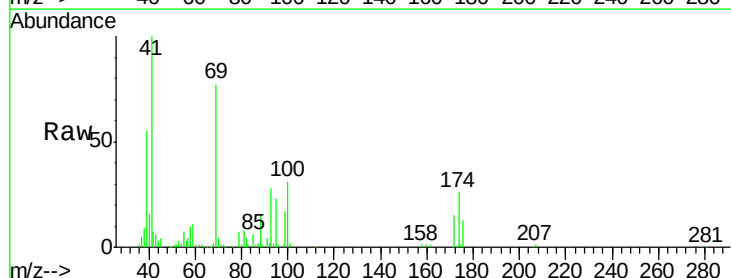
Manual Integrations
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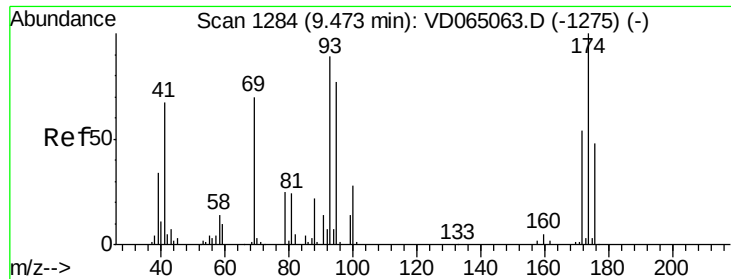
MMDadoda
2/6/2020 10:37:24 AM



#48
Methyl methacrylate
Concen: 55.768 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	165280		
69	76.2	67.5	101.3	
39	53.7	47.0	70.4	





#49

1,4-Dioxane

Concen: 1035.359 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

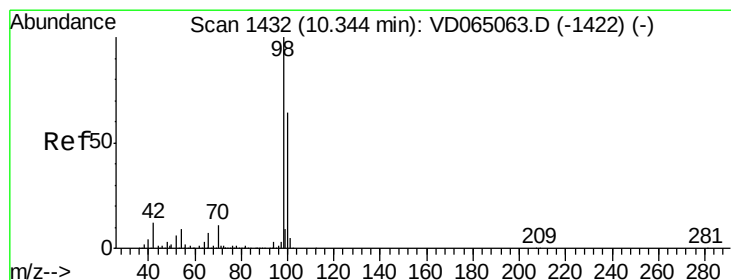
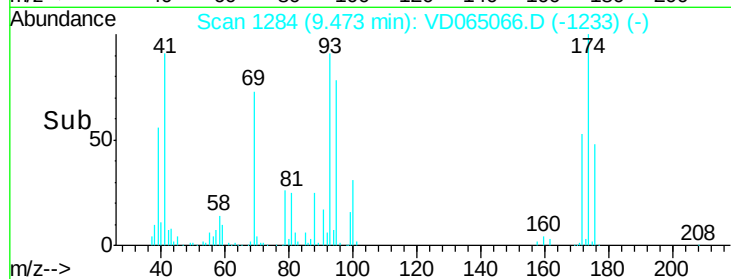
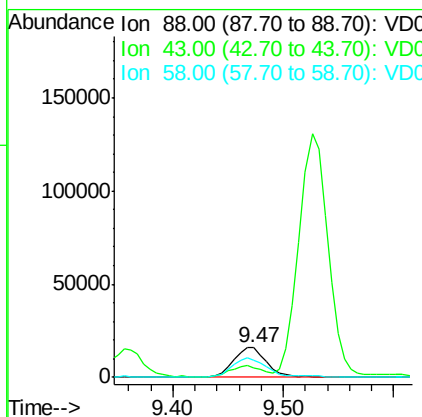
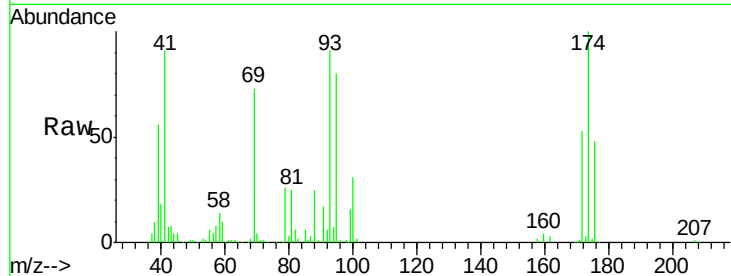
ClientSampleId :

ICVVD020520

Tot Ion	88	Resp	33624
Ion	Ratio	Lower	Upper
88	100		
43	36.0	27.7	41.5
58	72.3	55.5	83.3

Manual Integrations
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2/6/2020 10:37:24 AM



#50

Toluene-d8

Concen: 56.419 ug/l

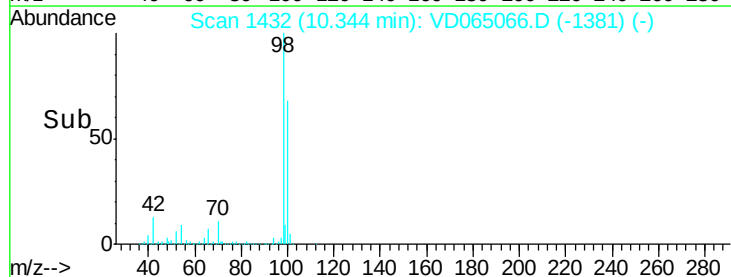
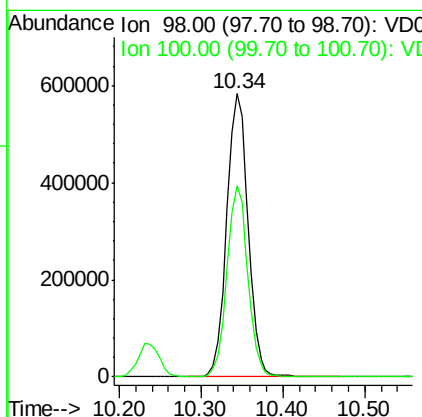
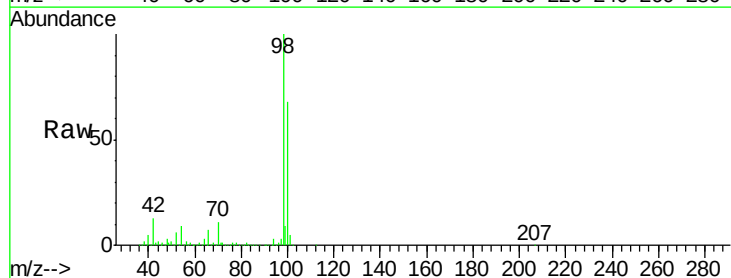
RT: 10.34 min Scan# 1432

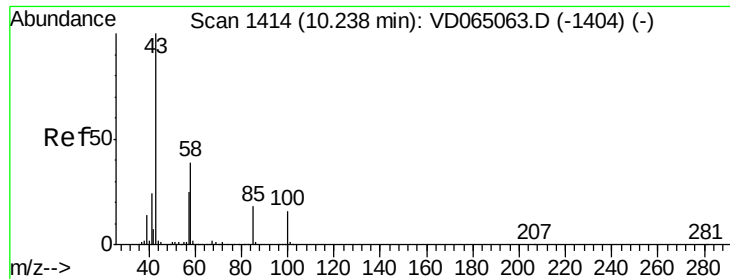
Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Tgt Ion	98	Resp	1061914
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 261.937 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleID :

ICVVD020520

Tot Ion: 43 Resp: 794072

Ion Ratio Lower Upper

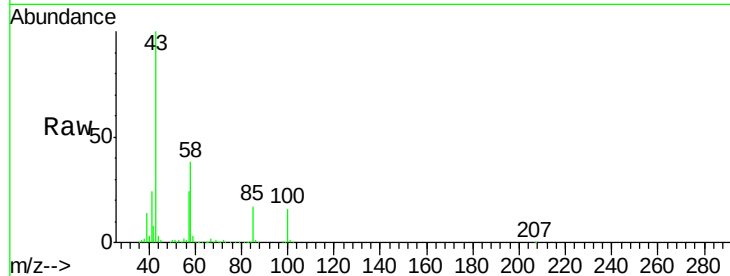
43 100

58 38.0 30.2 45.2

Manual Integrations
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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

400000

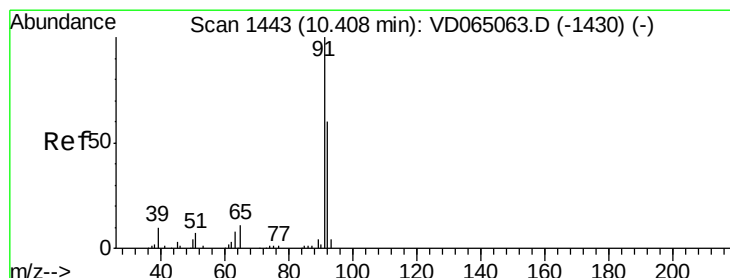
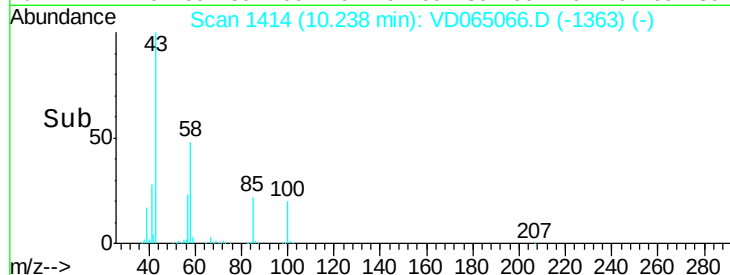
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.652 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065066.D

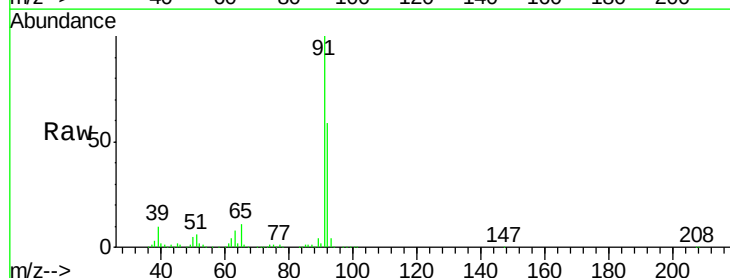
Acq: 05 Feb 2020 16:01

Tgt Ion: 92 Resp: 759113

Ion Ratio Lower Upper

92 100

91 171.5 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

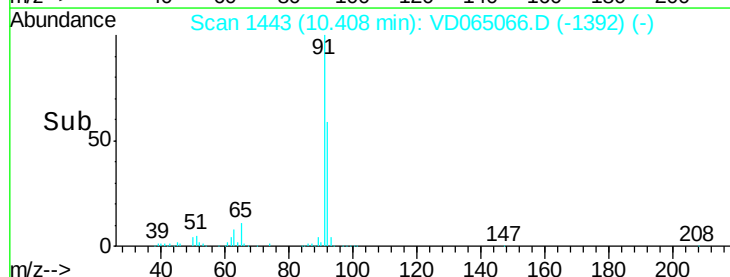
600000

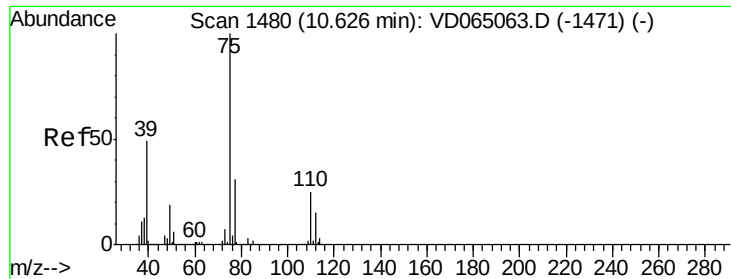
400000

200000

0

Time-->





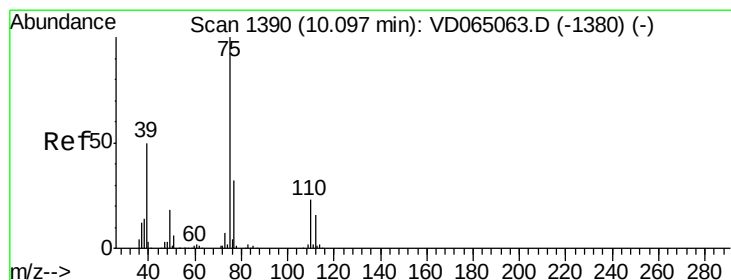
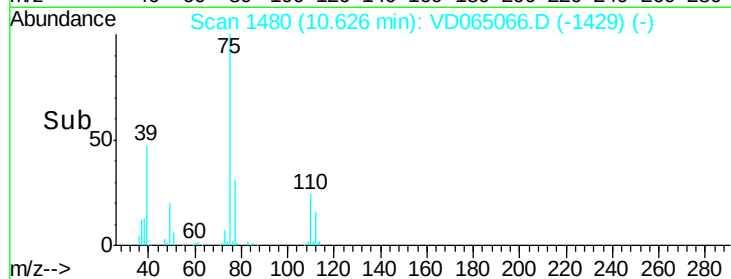
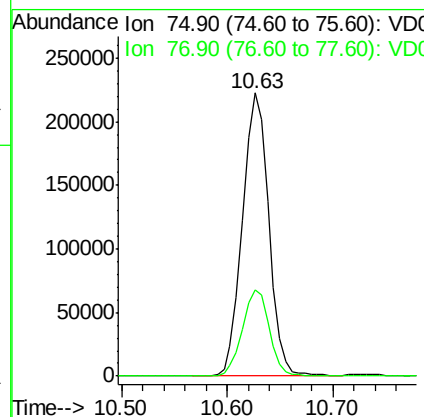
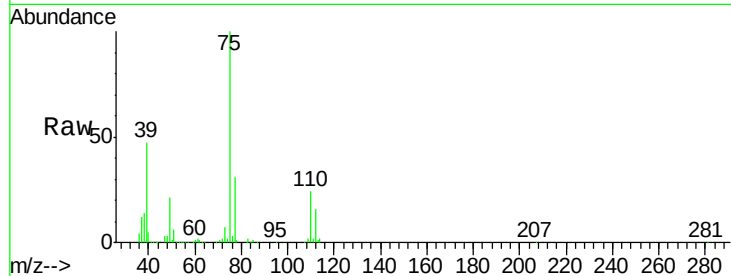
#53
t-1,3-Dichloropropene
Concen: 54.582 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
ICVVD020520

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.9	37.3

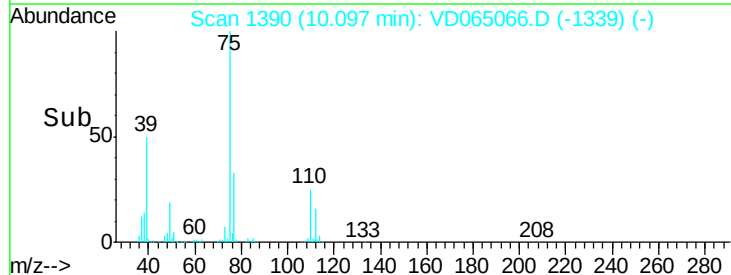
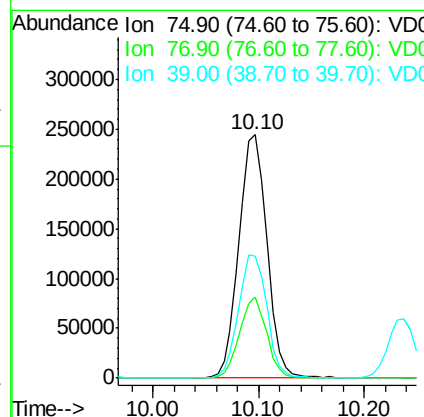
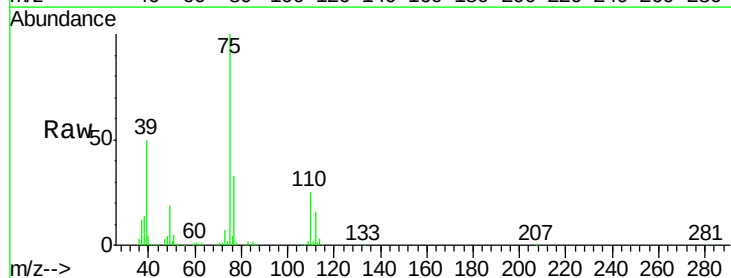
Manual Integrations
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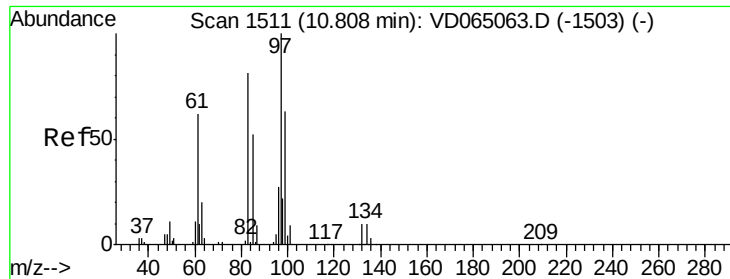
MMDadoda
2/6/2020 10:37:24 AM



#54
cis-1,3-Dichloropropene
Concen: 53.609 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.3	37.9
39	49.9	40.3	60.5





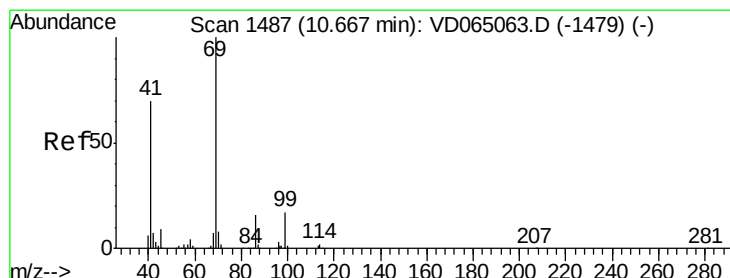
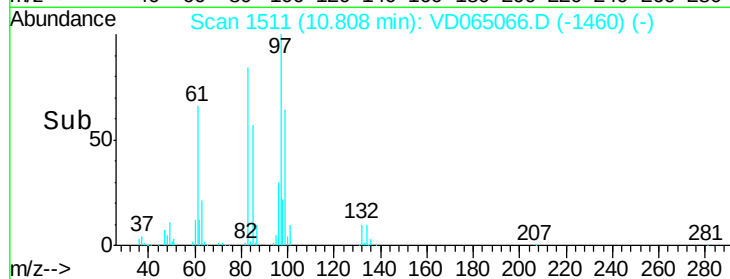
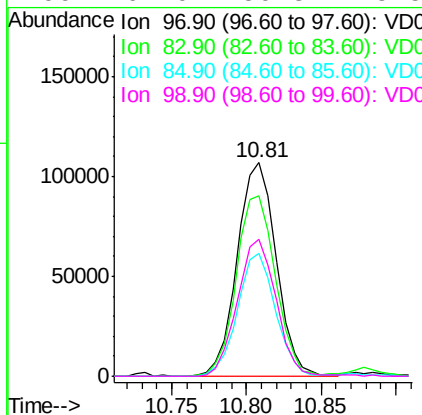
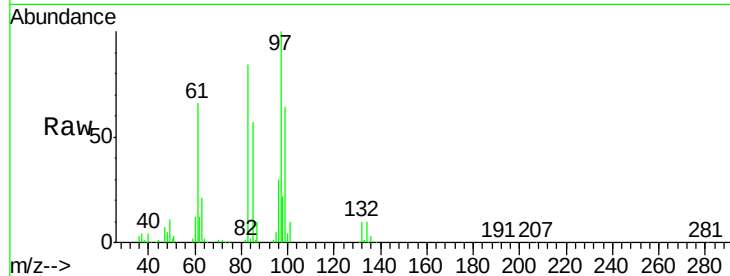
#55
 1,1,2-Trichloroethane
 Concen: 51.513 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD020520

Tot Ion:	97	Resp:	193736
Ion	Ratio	Lower	Upper
97	100		
83	84.4	64.8	97.2
85	57.6	41.2	61.8
99	64.0	50.3	75.5

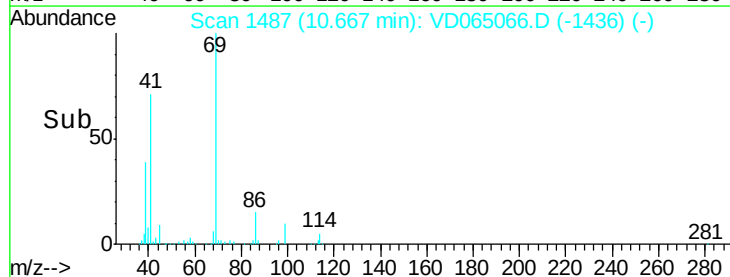
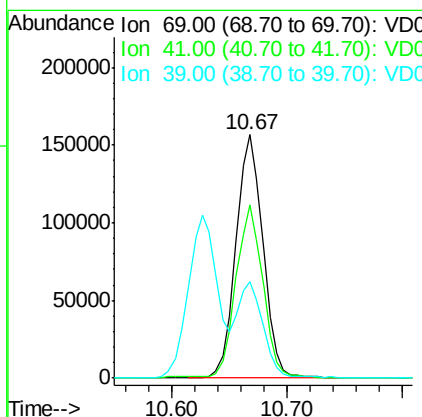
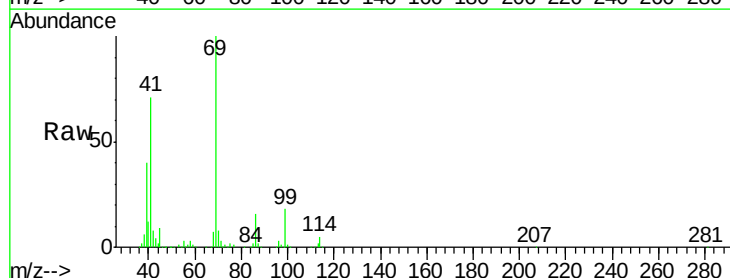
Manual Integrations
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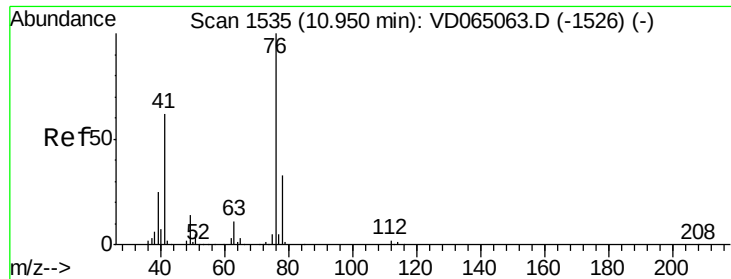
MMDadoda
 2/6/2020 10:37:24 AM



#56
 Ethyl methacrylate
 Concen: 53.566 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Tgt Ion:	69	Resp:	254896
Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.9	83.9
39	37.6	29.4	44.0





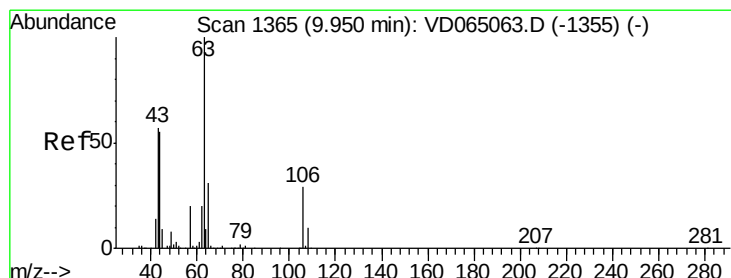
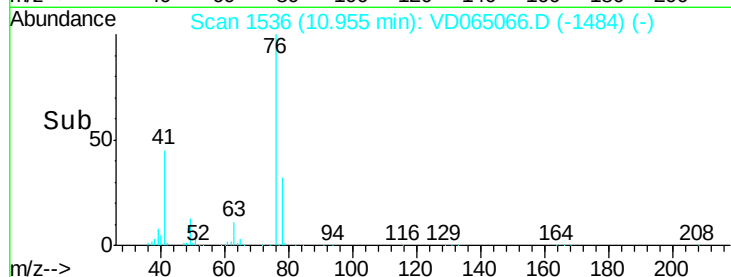
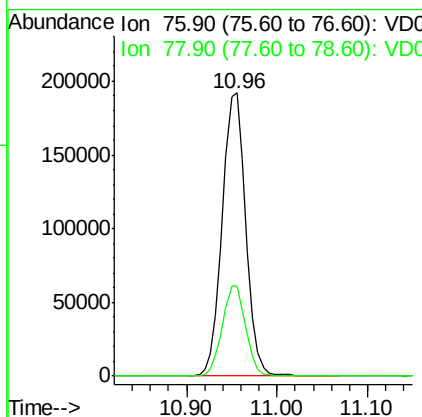
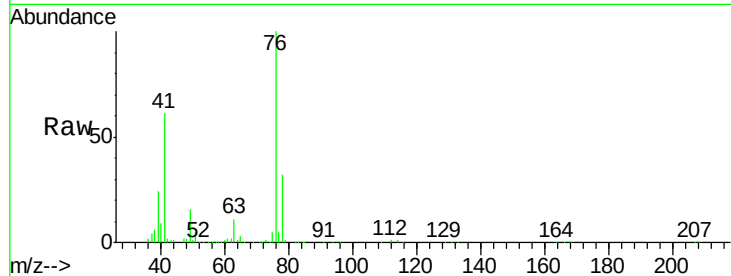
#57
 1,3-Dichloropropane
 Concen: 52.322 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD020520

Tot Ion: 76 Resp: 346016
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6

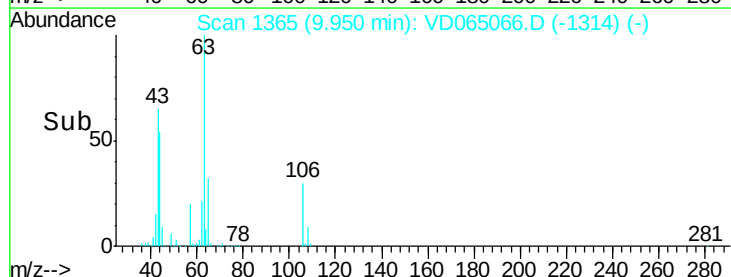
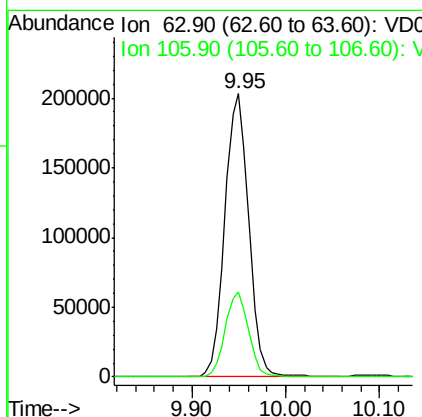
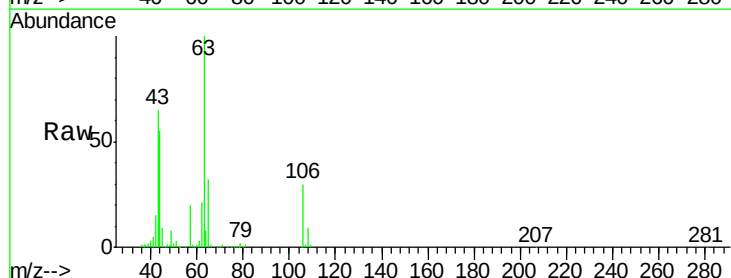
Manual Integrations
 APPROVED

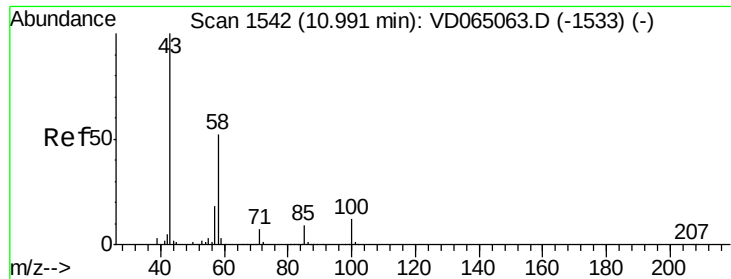
MMDadoda
 2/6/2020 10:37:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.392 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Tgt Ion: 63 Resp: 359357
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.3 34.9





#59

2-Hexanone

Concen: 267.471 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

ICVVD020520

Tot Ion: 43 Resp: 574341

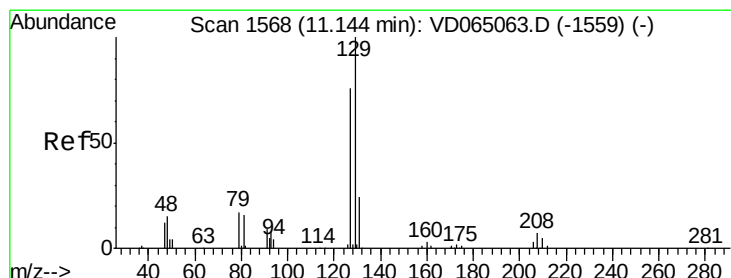
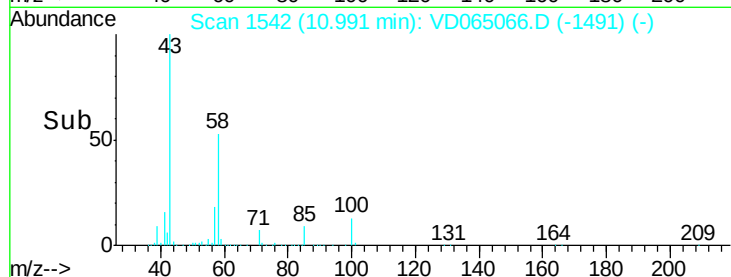
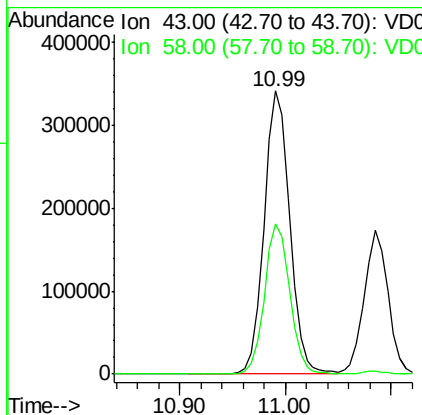
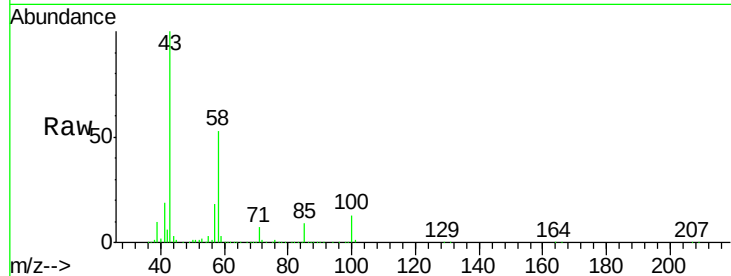
Ion Ratio Lower Upper

43 100

58 52.5 26.2 78.6

Manual Integrations
APPROVED

MMDadoda
2/6/2020 10:37:24 AM



#60

Dibromochloromethane

Concen: 54.397 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD065066.D

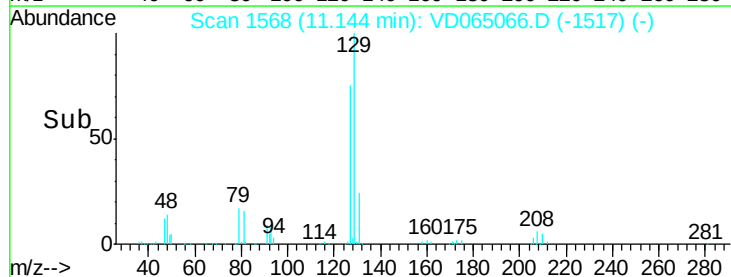
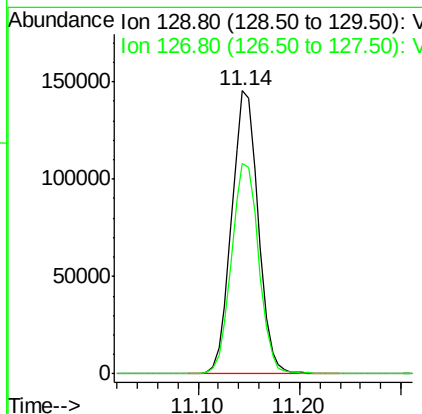
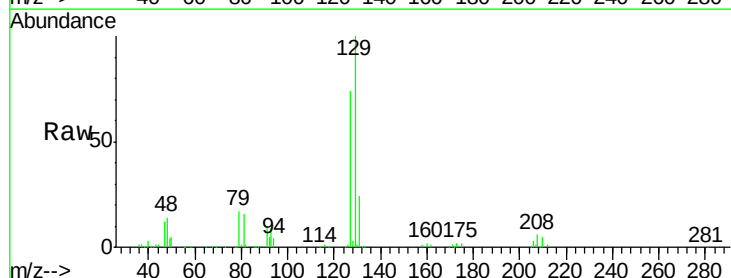
Acq: 05 Feb 2020 16:01

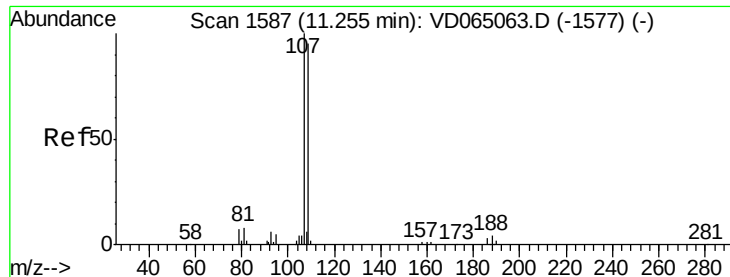
Tgt Ion: 129 Resp: 264986

Ion Ratio Lower Upper

129 100

127 76.1 38.3 114.9





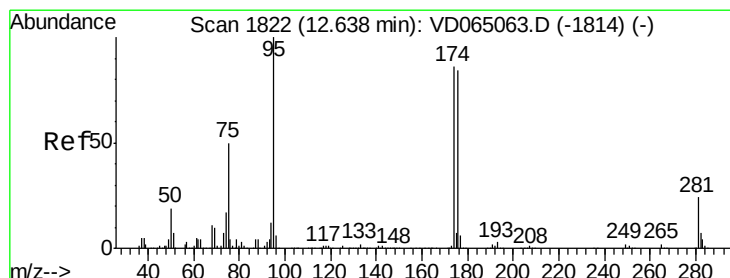
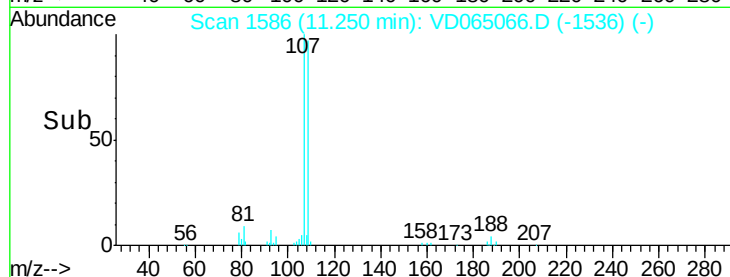
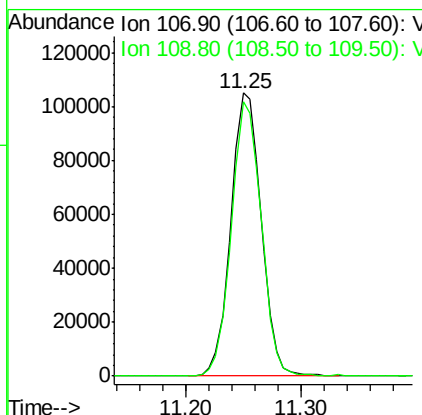
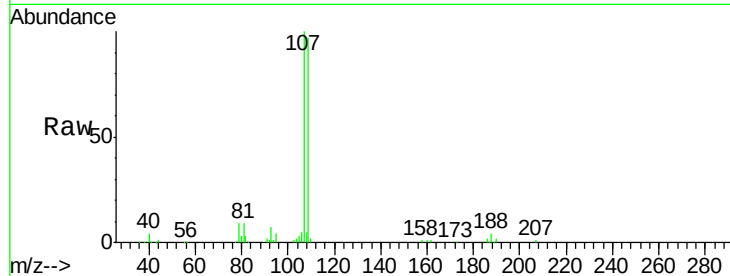
#61
 1,2-Dibromoethane
 Concen: 52.098 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD020520

Tot Ion	Ratio	Resp	Lower	Upper
107	100	191452		
109	95.6	75.5	113.3	

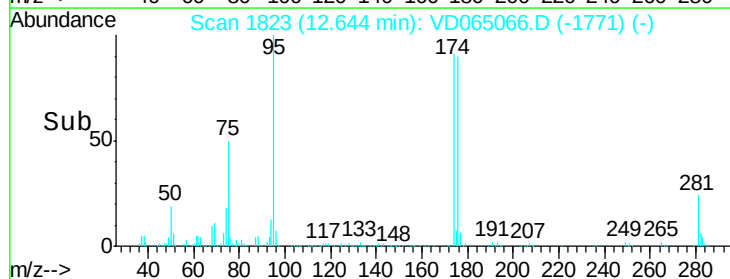
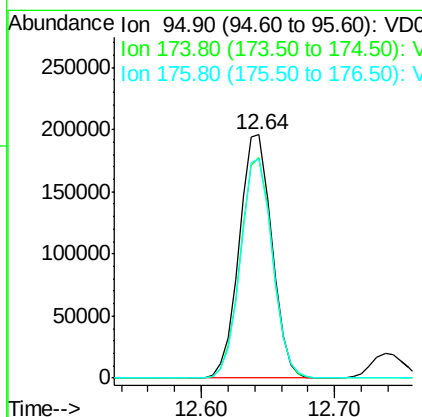
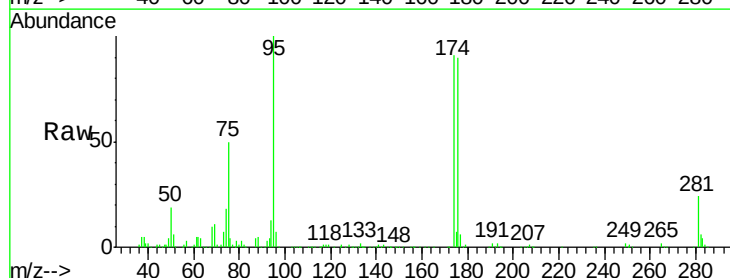
Manual Integrations
 APPROVED

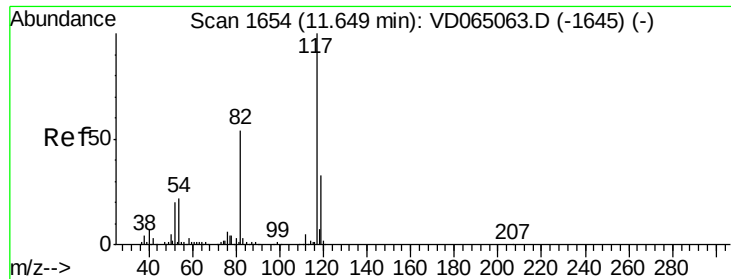
MMDadoda
 2/6/2020 10:37:24 AM



#62
 4-Bromofluorobenzene
 Concen: 55.473 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	330839		
174	89.2	0.0	180.0	
176	88.5	0.0	173.2	





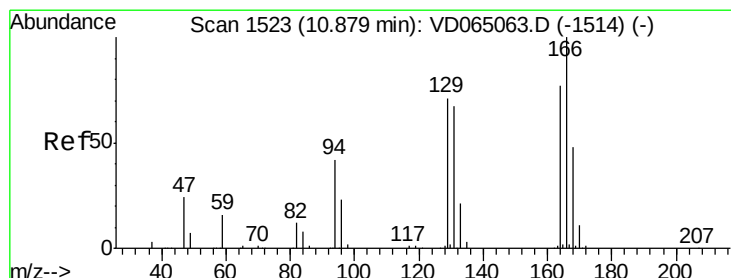
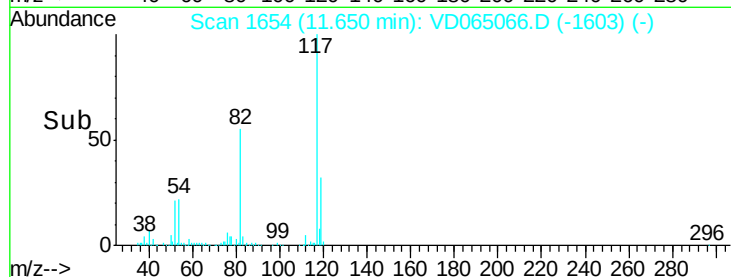
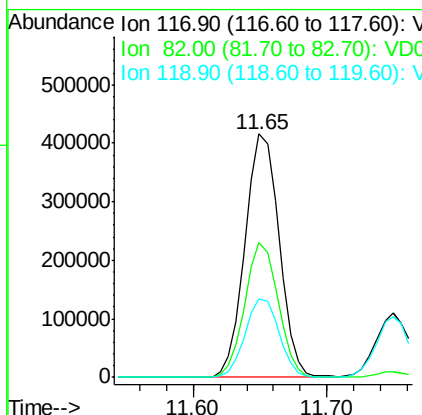
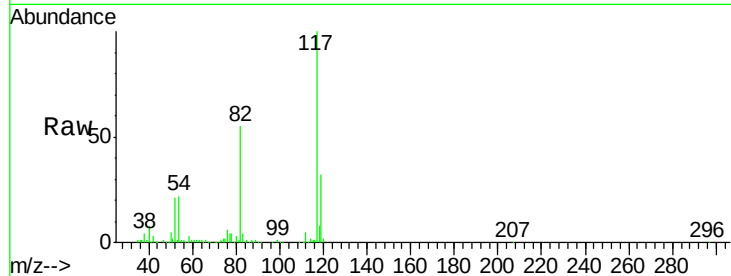
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
ICVVD020520

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.1	64.7
119	32.5	26.0	39.0

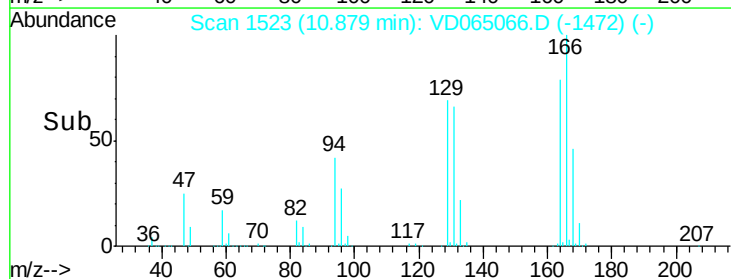
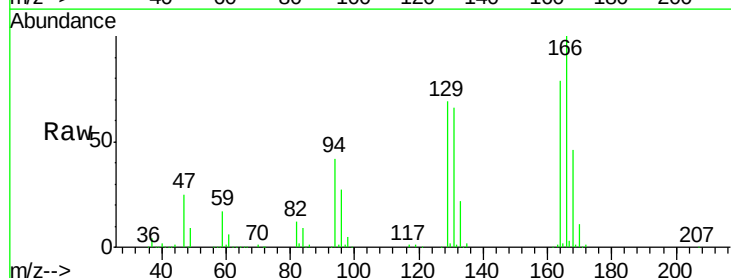
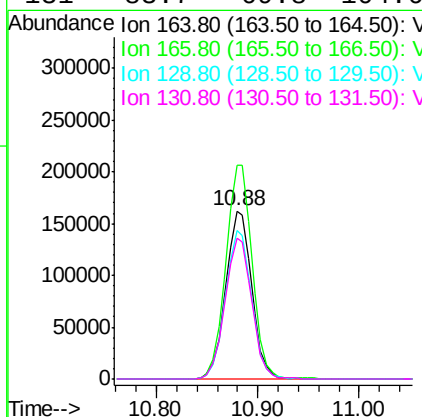
Manual Integrations
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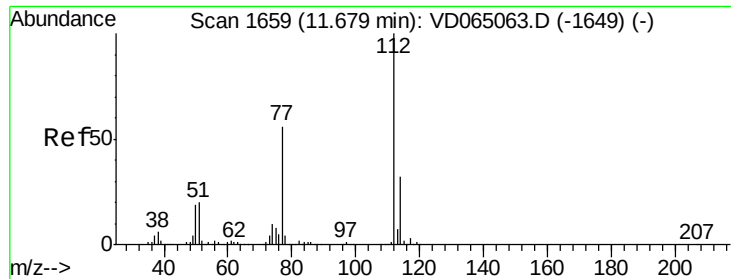
MMDadoda
2/6/2020 10:37:24 AM



#64
Tetrachloroethene
Concen: 54.558 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.5	155.3
129	88.1	73.3	109.9
131	83.7	69.8	104.6





#65

Chlorobenzene

Concen: 54.418 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

ICVVD020520

Tot Ion:112 Resp: 774828

Ion Ratio Lower Upper

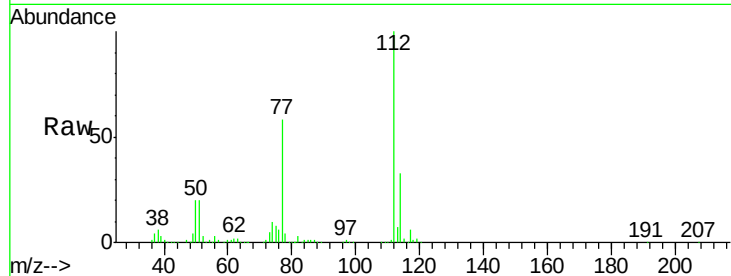
112 100

114 32.6 25.4 38.0

Manual Integrations
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MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.68

400000

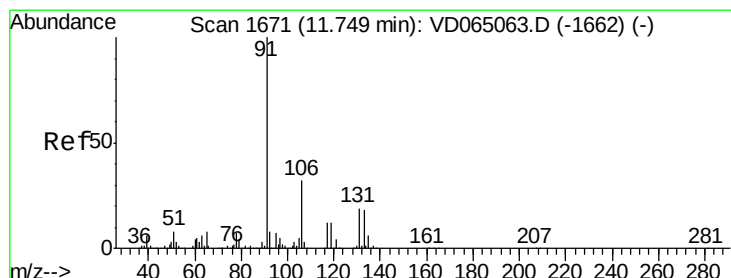
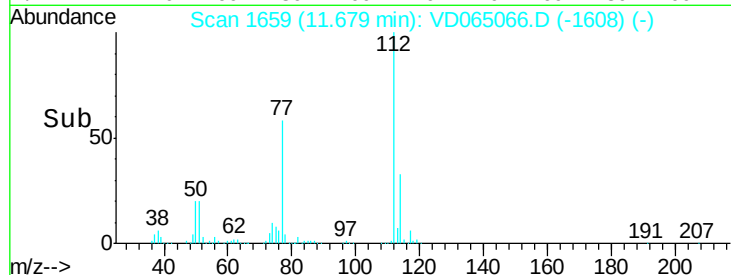
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 55.502 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

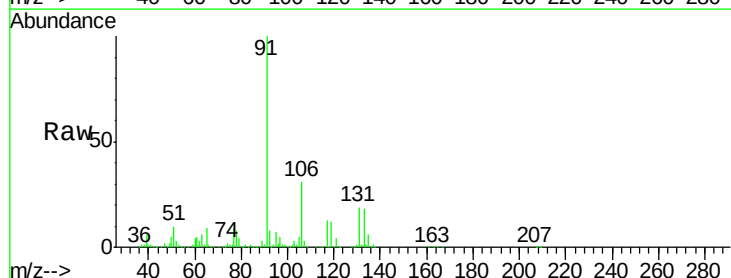
Tgt Ion:131 Resp: 291671

Ion Ratio Lower Upper

131 100

133 93.8 47.7 143.1

119 61.9 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.75

200000

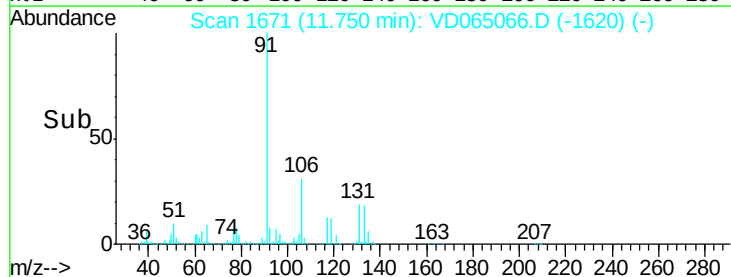
150000

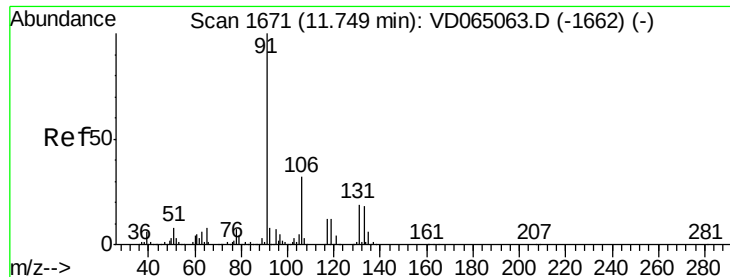
100000

50000

0

Time-->





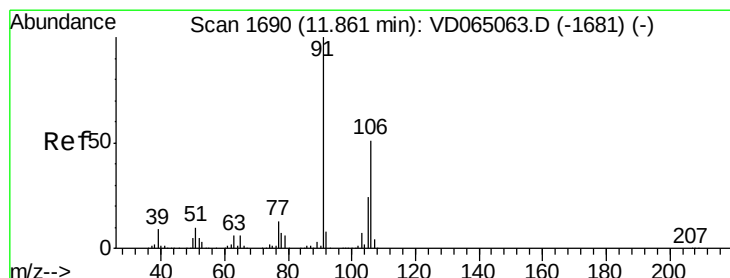
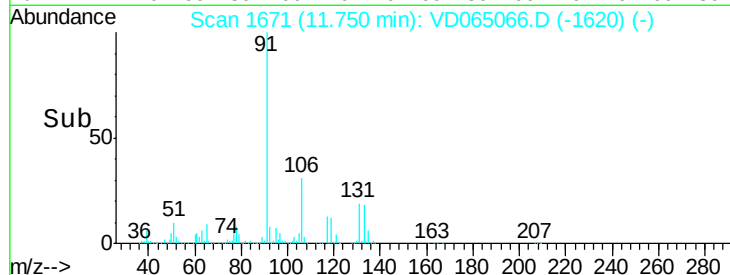
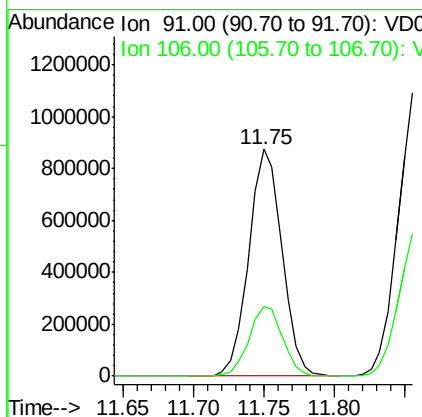
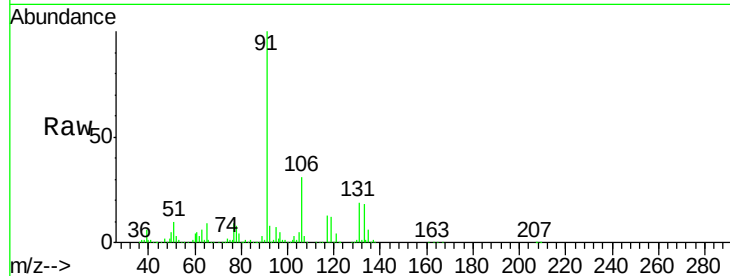
#67
Ethyl Benzene
Concen: 56.044 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
ICVVD020520

Tot Ion: 91 Resp: 1449791
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.2

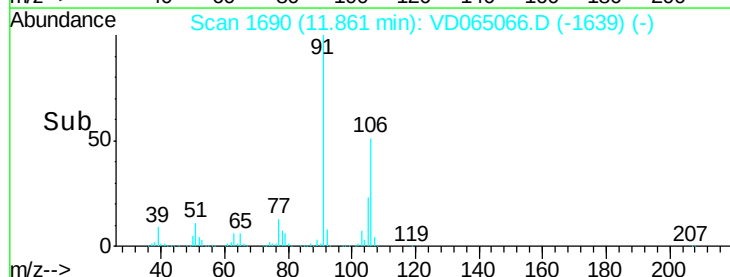
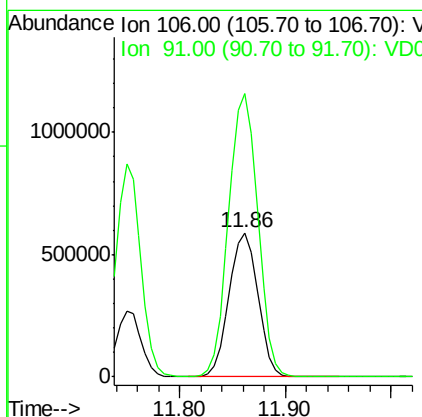
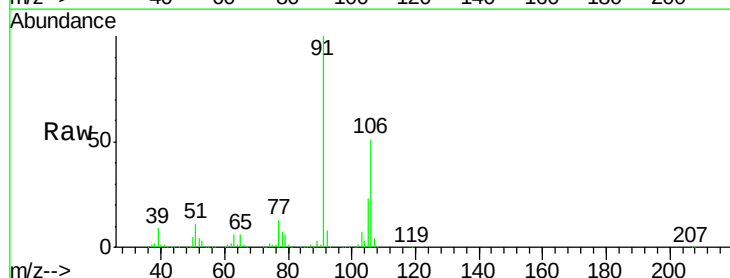
Manual Integrations
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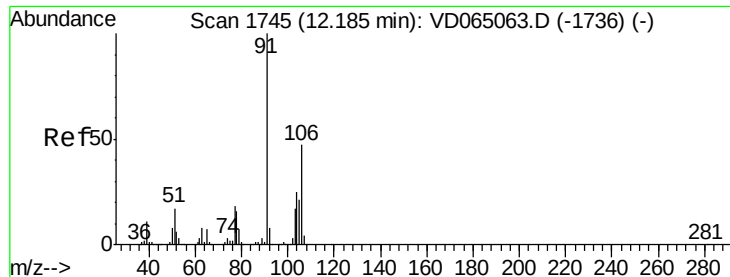
MMDadoda
2/6/2020 10:37:24 AM



#68
m/p-Xylenes
Concen: 112.939 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion: 106 Resp: 1115091
Ion Ratio Lower Upper
106 100
91 199.2 158.9 238.3





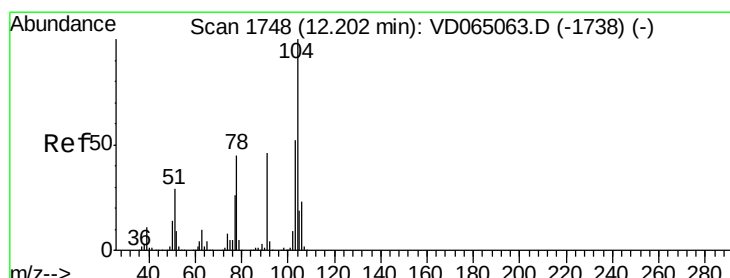
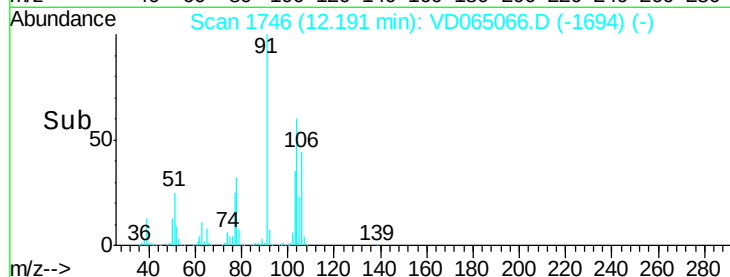
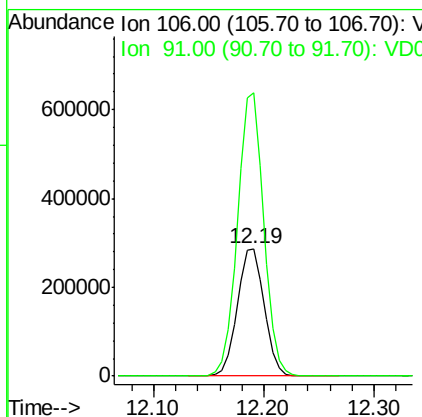
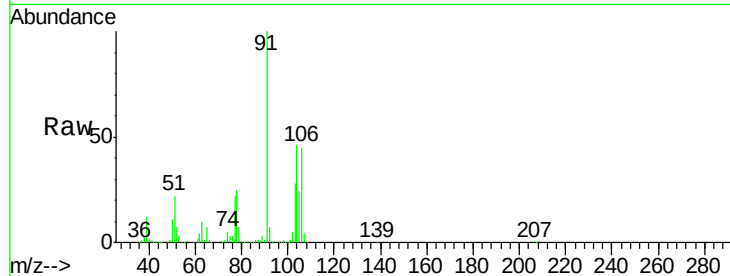
#69
o-Xylene
Concen: 55.446 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
ICVVD020520

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.9	104.7	313.9

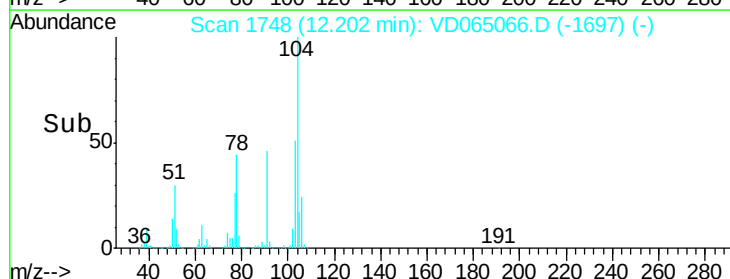
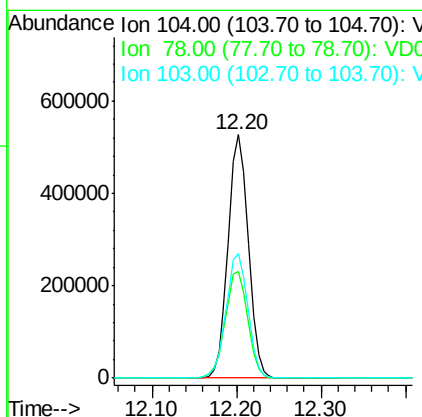
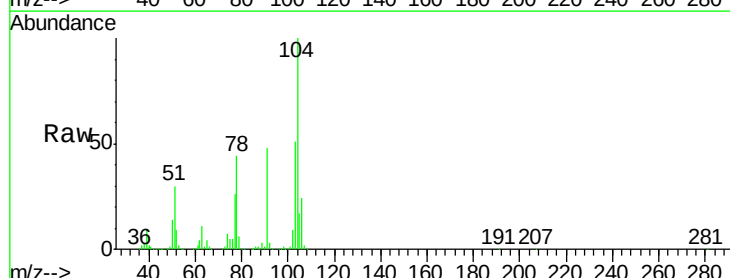
Manual Integrations
APPROVED

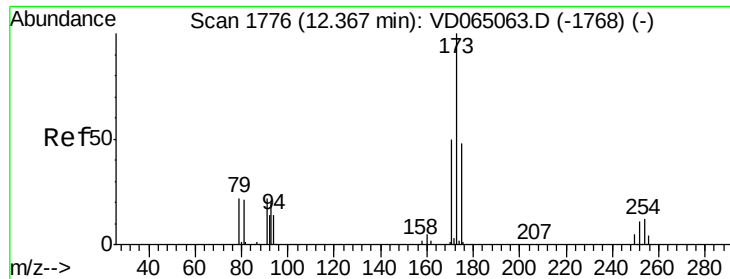
MMDadoda
2/6/2020 10:37:24 AM



#70
Styrene
Concen: 56.229 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.5	57.7
103	55.4	43.8	65.8





#71

Bromoform

Concen: 53.269 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

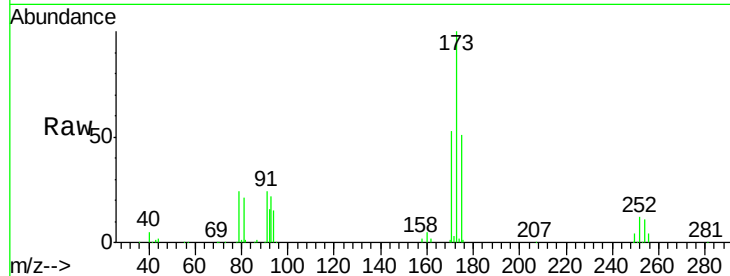
ClientSampleId :

ICVVD020520

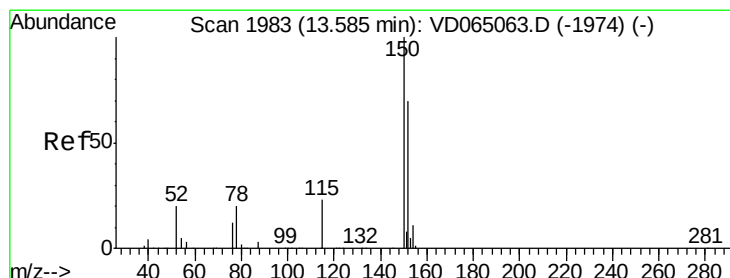
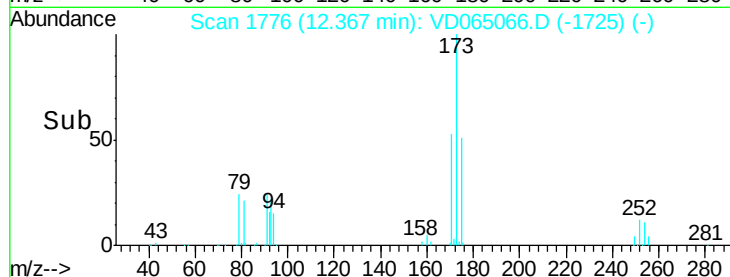
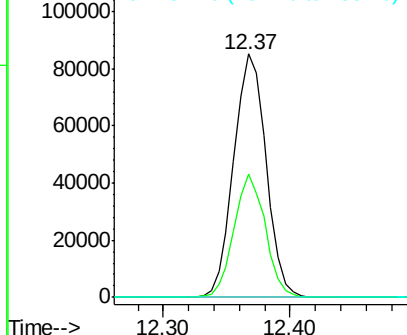
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

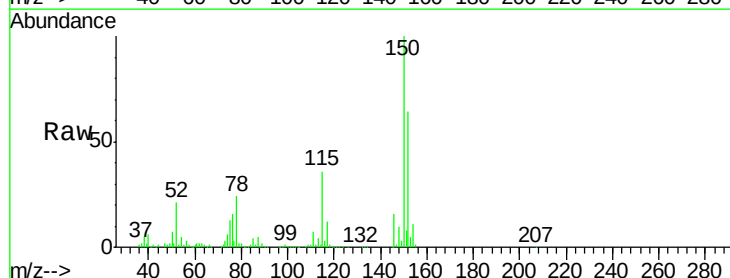
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

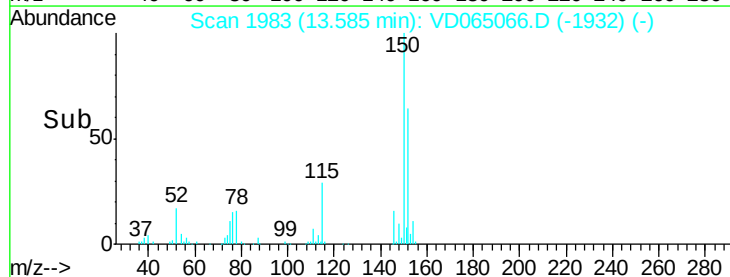
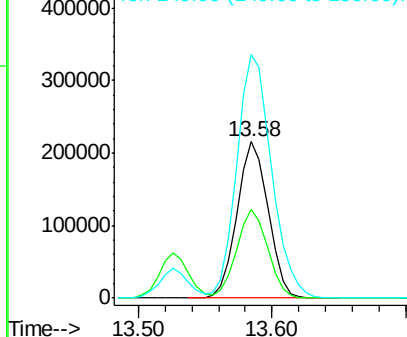
Lab File: VD065066.D

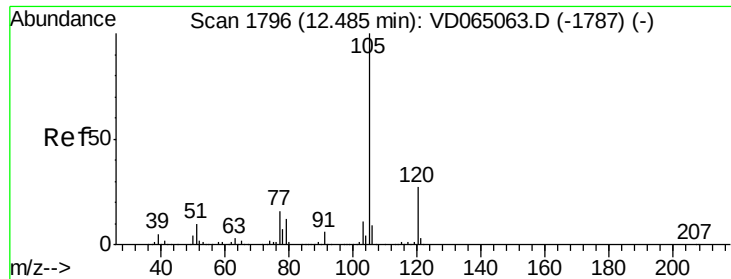
Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.5	82.4
150	174.0	0.0	343.2



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





#73

Isopropylbenzene

Concen: 57.544 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

ICVVD020520

Tot Ion:105 Resp: 1373498

Ion Ratio Lower Upper

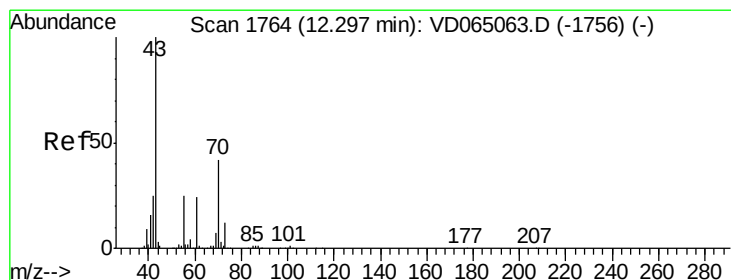
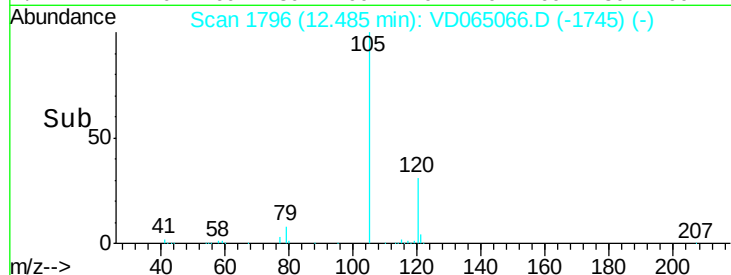
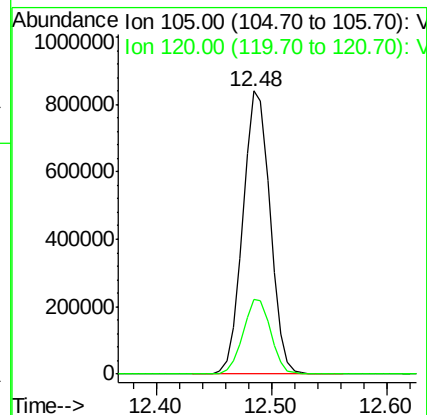
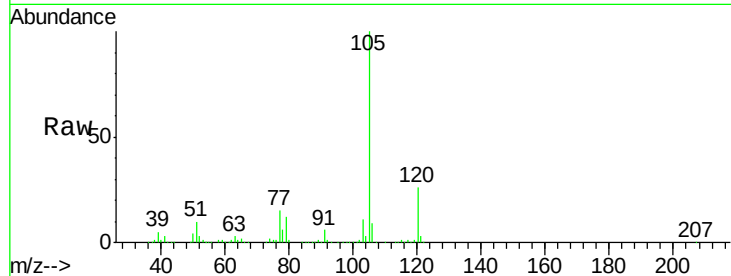
105 100

120 26.8 13.3 39.9

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#74

N-ethyl acetate

Concen: 55.535 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Tgt Ion: 43 Resp: 288117

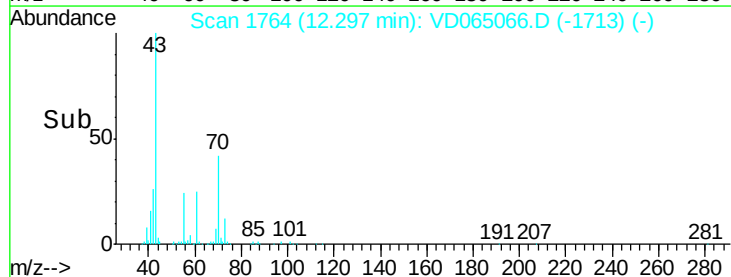
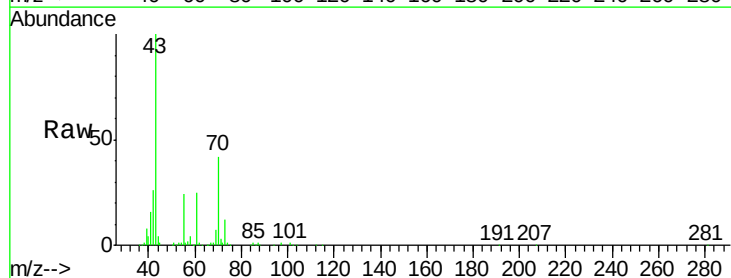
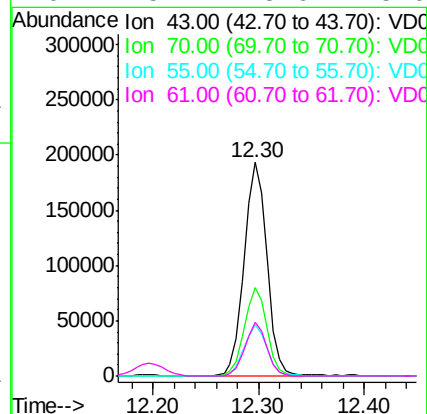
Ion Ratio Lower Upper

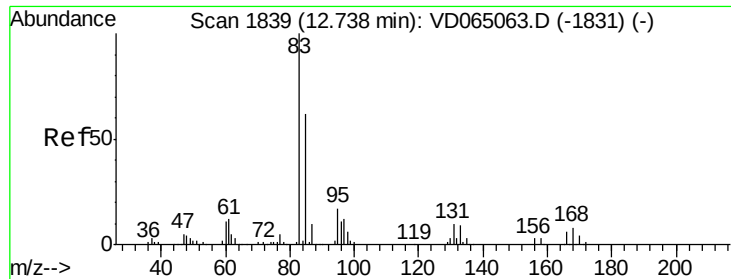
43 100

70 40.7 33.5 50.3

55 23.7 19.4 29.2

61 23.7 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.433 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

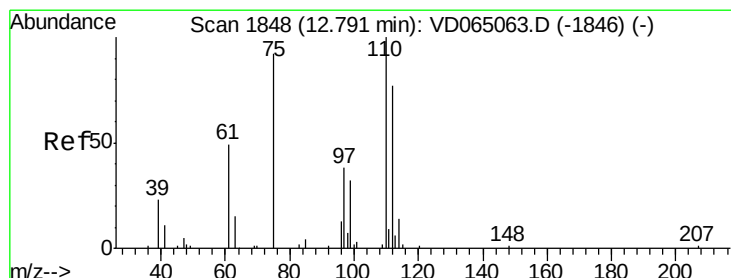
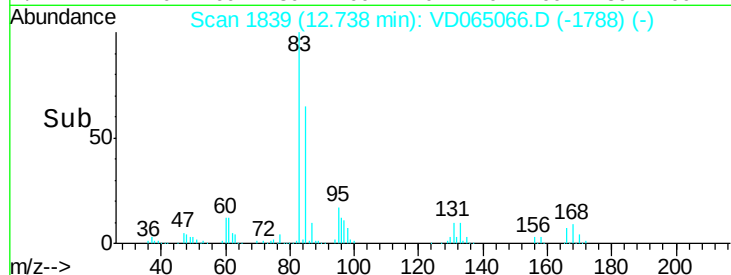
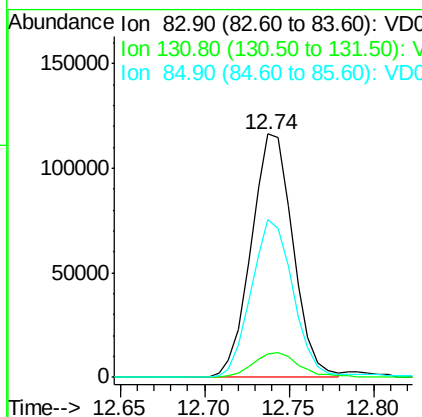
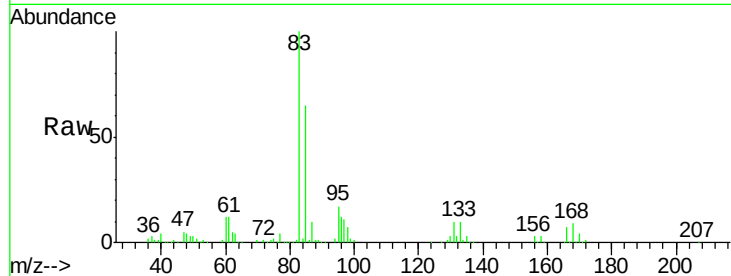
ClientSampleId :

ICVVD020520

Tot Ion:	83	Resp:	200726
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.4
85	65.0	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 55.483 ug/l m

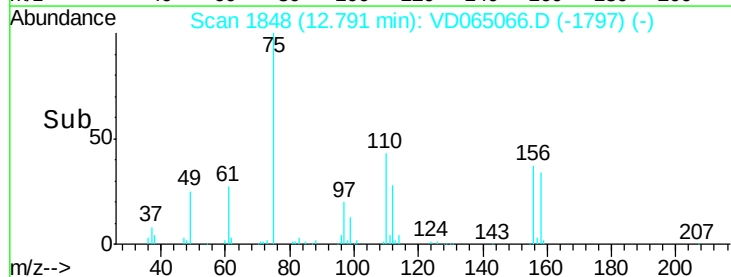
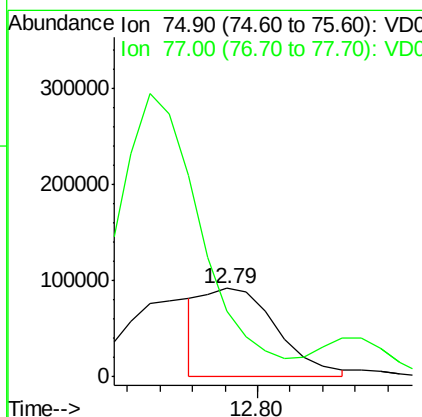
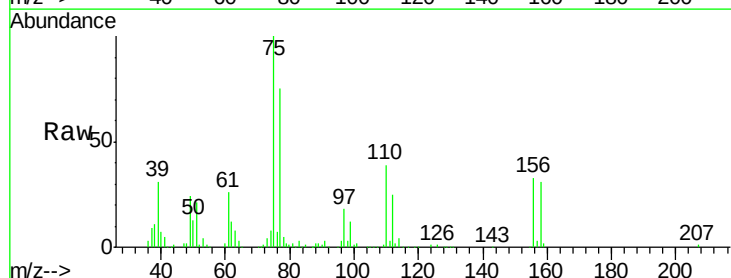
RT: 12.79 min Scan# 1848

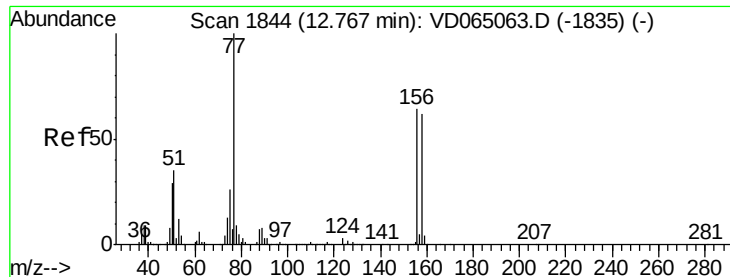
Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Tgt Ion:	75	Resp:	146081
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.390 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

ICVVD020520

Tot Ion:156 Resp: 312788

Ion Ratio Lower Upper

156 100

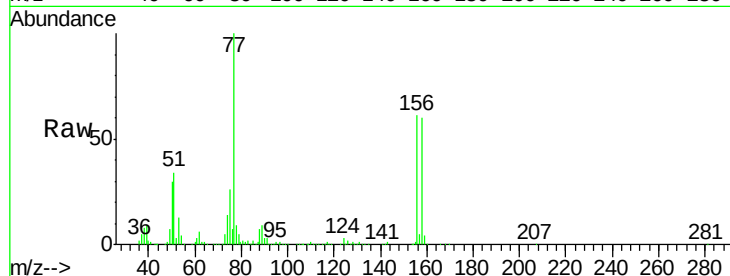
77 171.5 85.6 256.8

158 98.0 47.4 142.2

Manual Integrations
APPROVED

MMDadoda

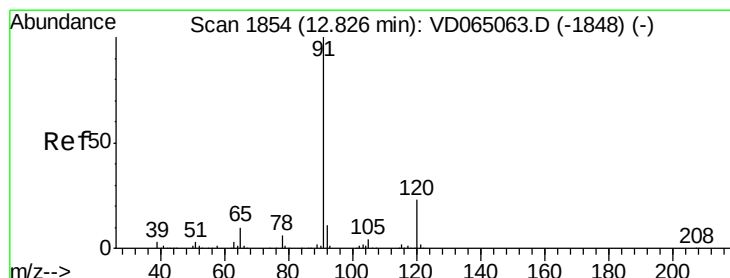
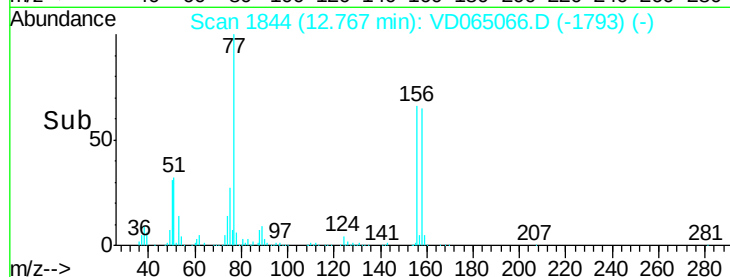
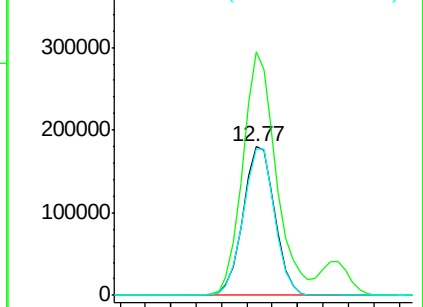
2/6/2020 10:37:24 AM



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: 57.593 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065066.D

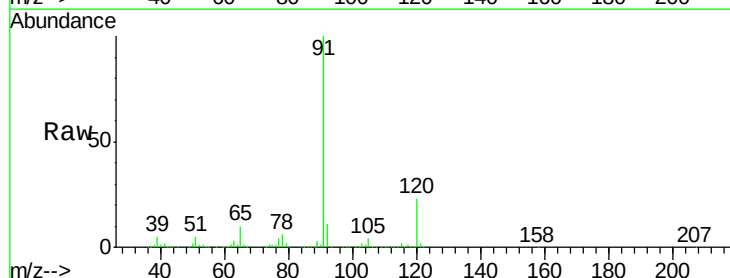
Acq: 05 Feb 2020 16:01

Tgt Ion: 91 Resp: 1609867

Ion Ratio Lower Upper

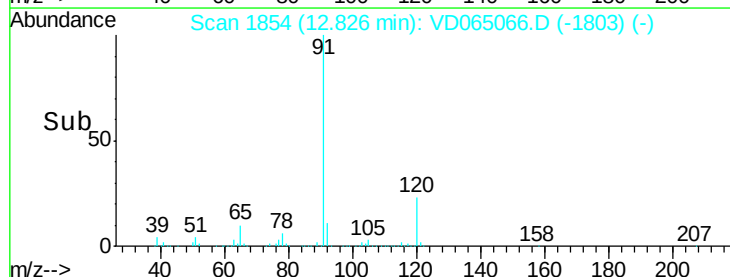
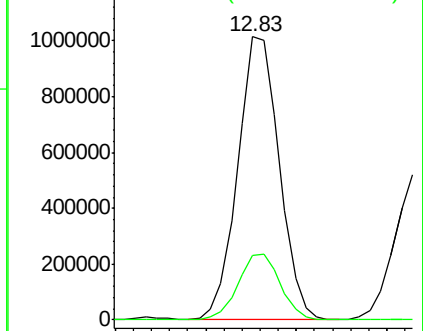
91 100

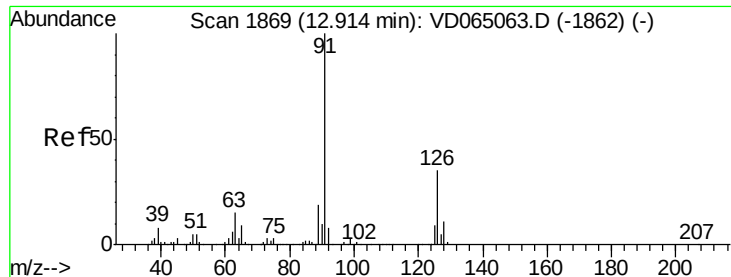
120 23.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.906 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

ICVVD020520

Tot Ion: 91 Resp: 871068

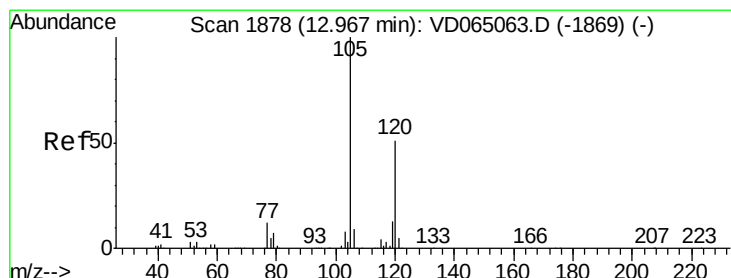
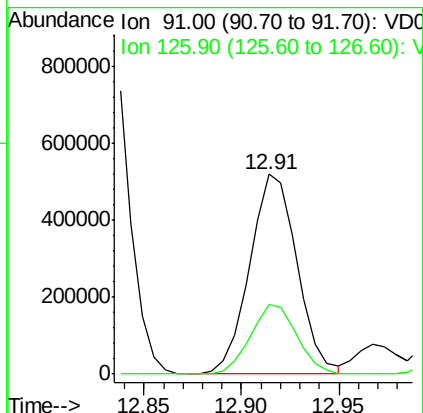
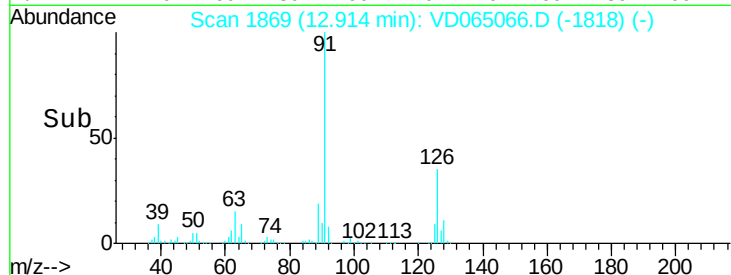
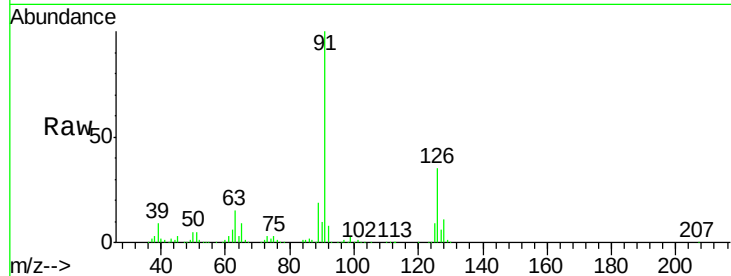
Ion Ratio Lower Upper

91 100

126 34.5 17.4 52.3

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 57.245 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065066.D

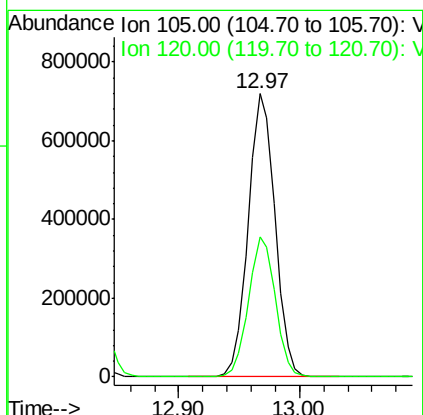
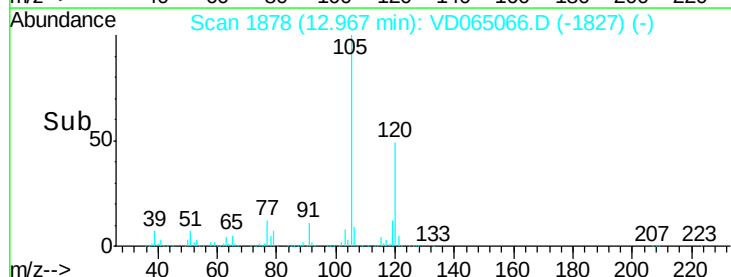
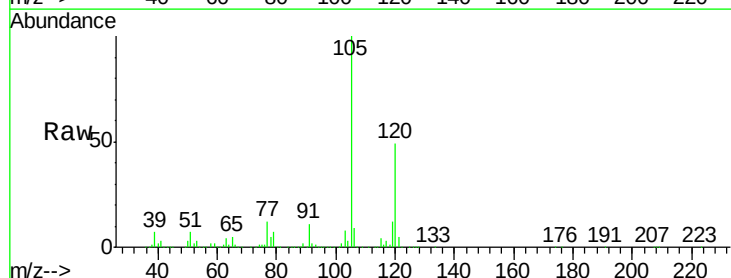
Acq: 05 Feb 2020 16:01

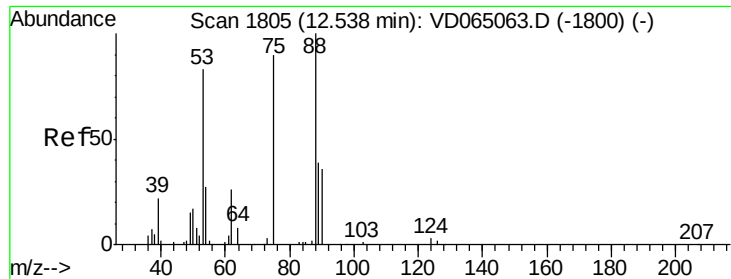
Tgt Ion: 105 Resp: 1117833

Ion Ratio Lower Upper

105 100

120 49.5 25.1 75.4





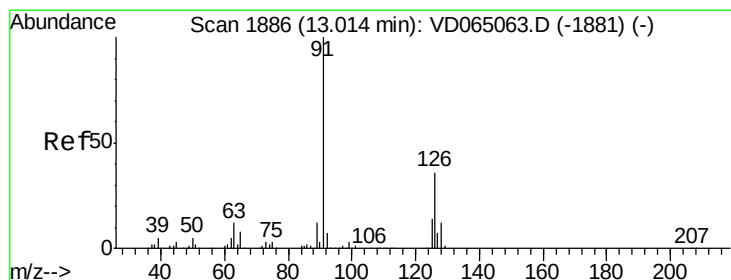
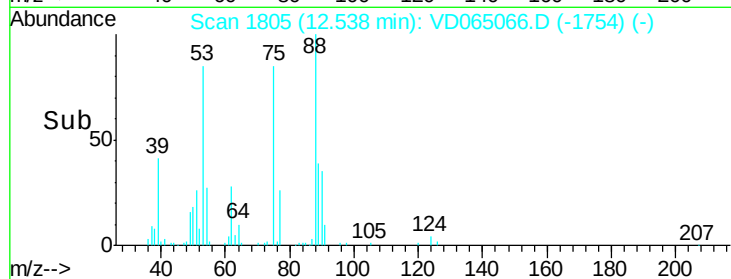
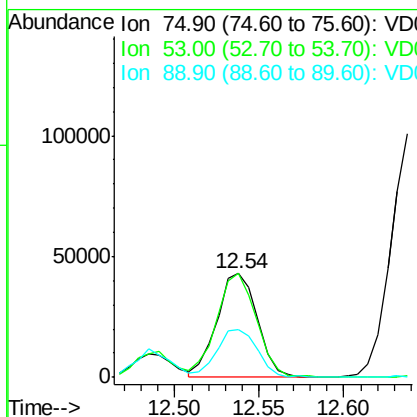
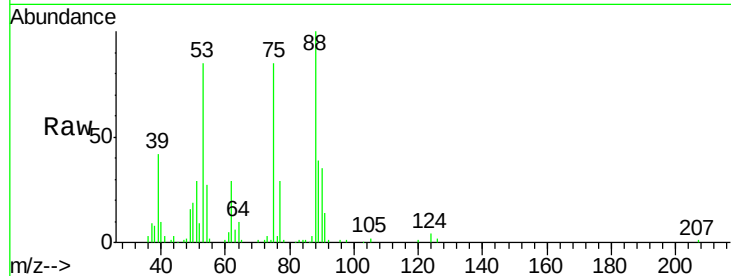
#81
trans-1,4-Dichloro-2-butene
Concen: 54.565 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
ICVVD020520

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.7	78.5	117.7
89	46.4	37.0	55.4

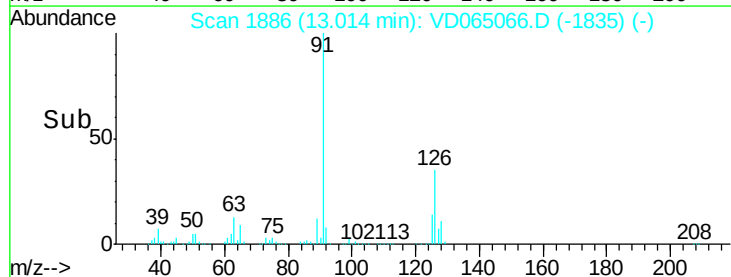
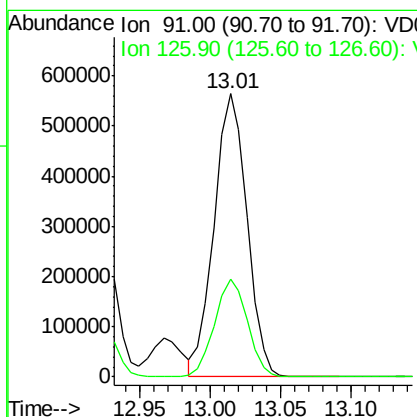
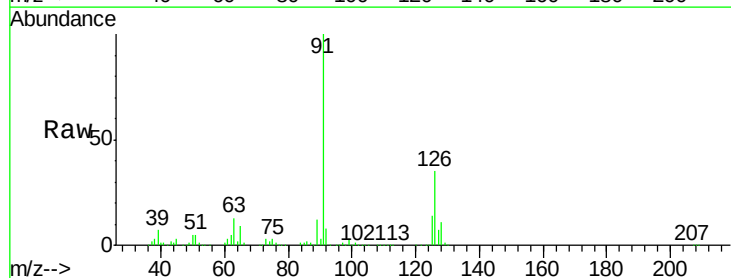
Manual Integrations
APPROVED

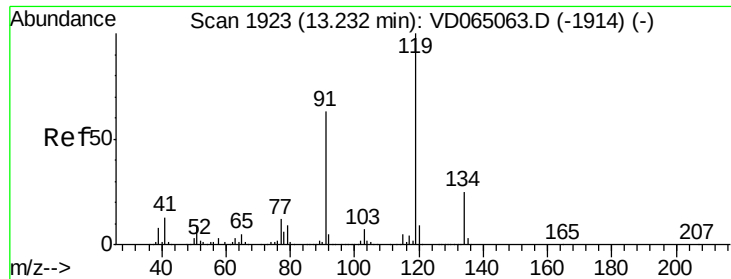
MMDadoda
2/6/2020 10:37:24 AM



#82
4-Chlorotoluene
Concen: 55.673 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.5	52.5





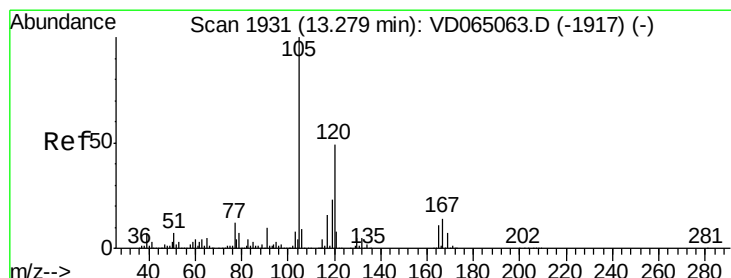
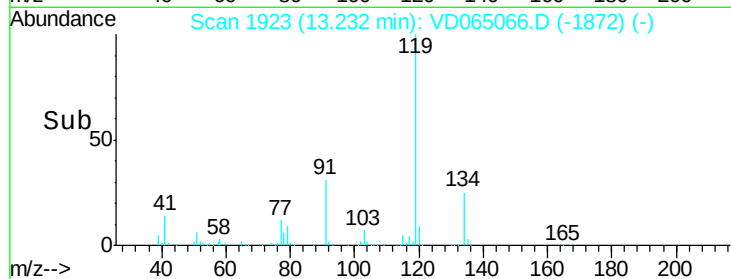
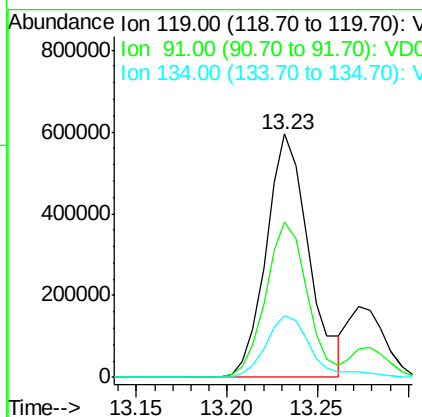
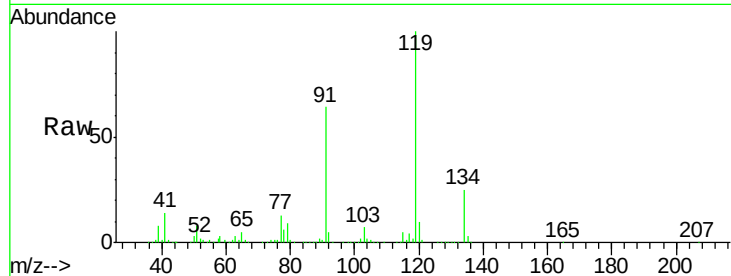
#83
 tert-Butylbenzene
 Concen: 57.665 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD020520

Tot Ion	Ratio	Resp	Lower	Upper
119	100	971467		
91	62.3		32.3	96.9
134	27.1		13.8	41.3

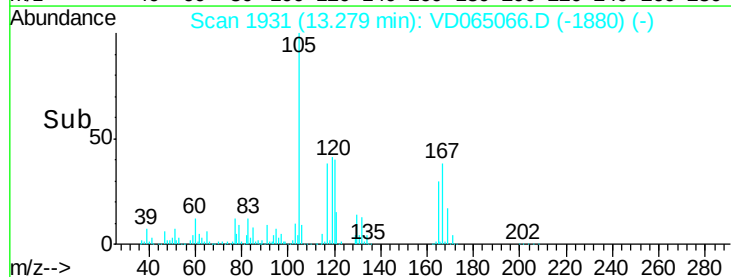
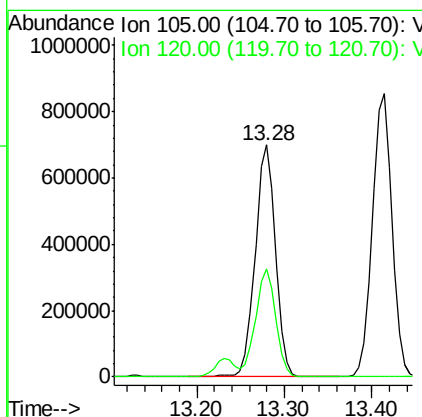
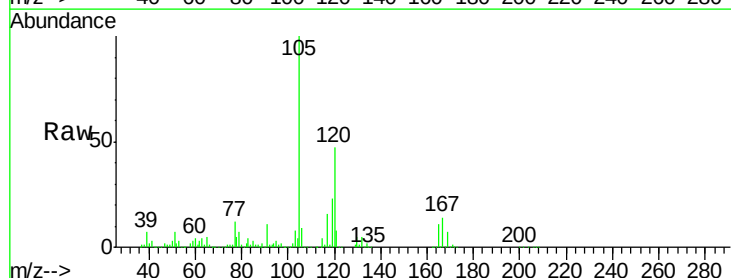
Manual Integrations
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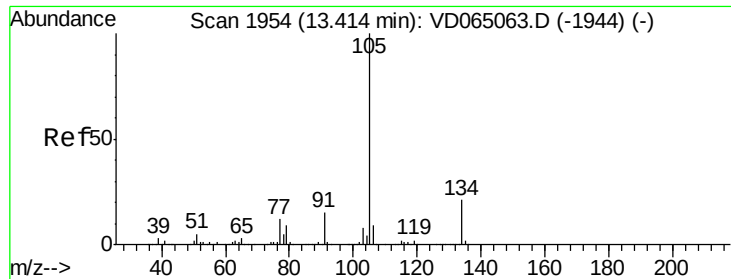
MMDadoda
 2/6/2020 10:37:24 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 56.837 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1101861		
120	46.3		23.5	70.5





#85

sec-Butylbenzene

Concen: 57.933 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

ICVVD020520

Tot Ion:105 Resp: 1332996

Ion Ratio Lower Upper

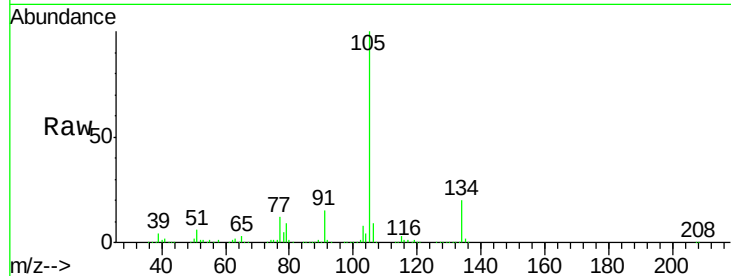
105 100

134 20.6 10.4 31.1

Manual Integrations
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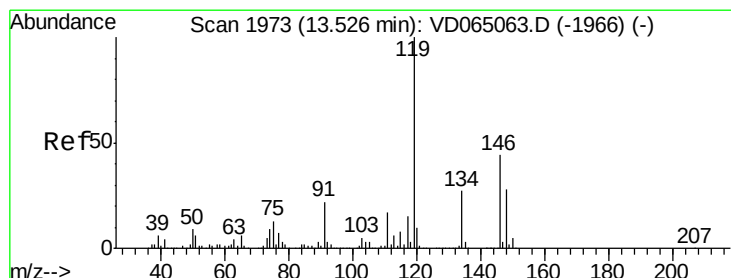
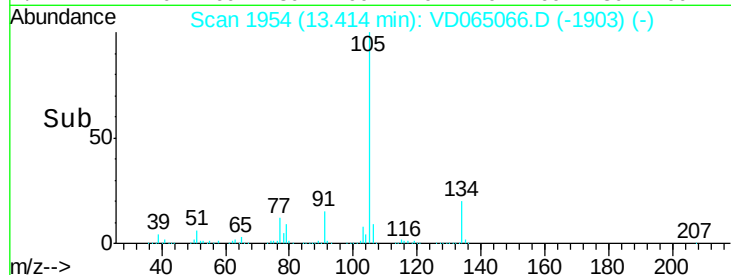
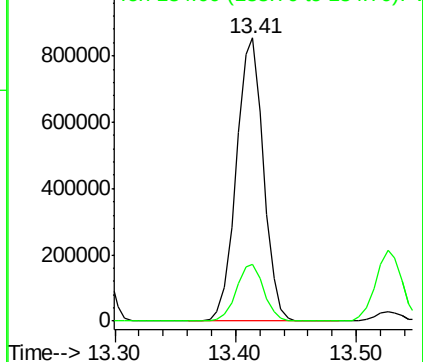
MMDadoda

2/6/2020 10:37:24 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.395 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

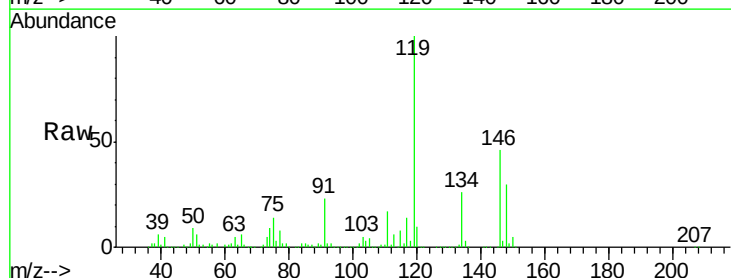
Tgt Ion:119 Resp: 1248401

Ion Ratio Lower Upper

119 100

134 26.1 13.5 40.5

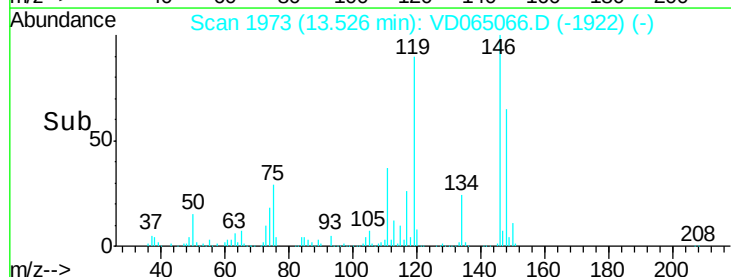
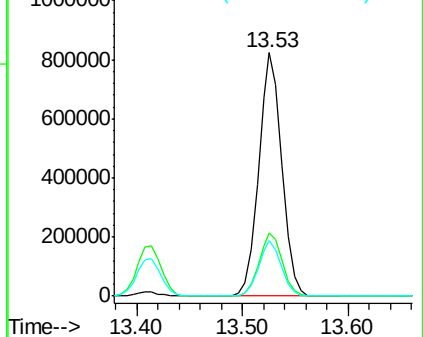
91 22.3 11.3 33.9

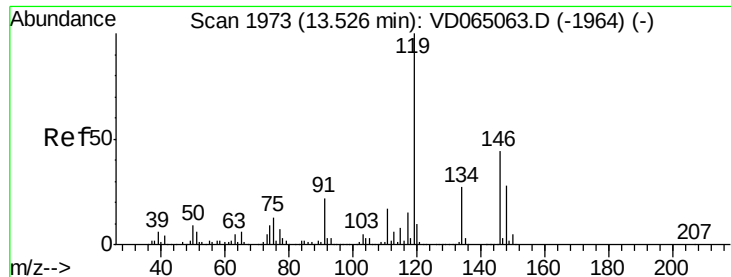


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





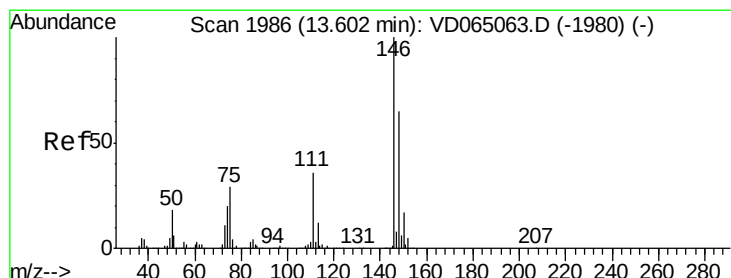
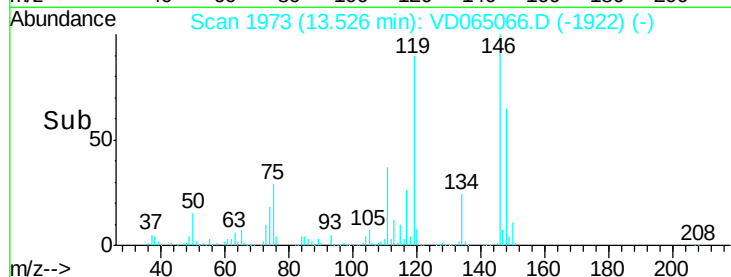
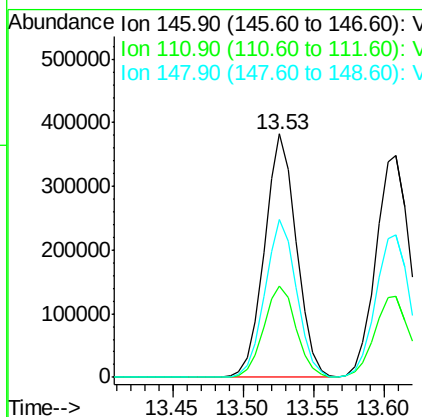
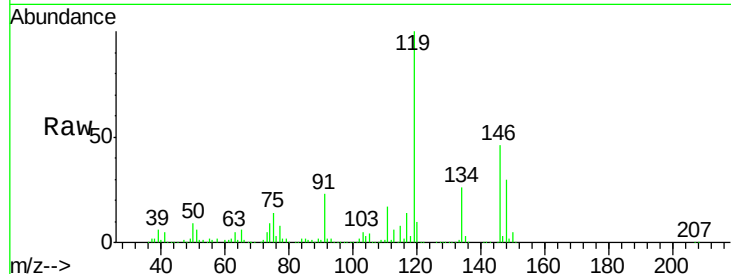
#87
 1,3-Dichlorobenzene
 Concen: 56.276 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD020520

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.4
148	64.5	32.3	96.8

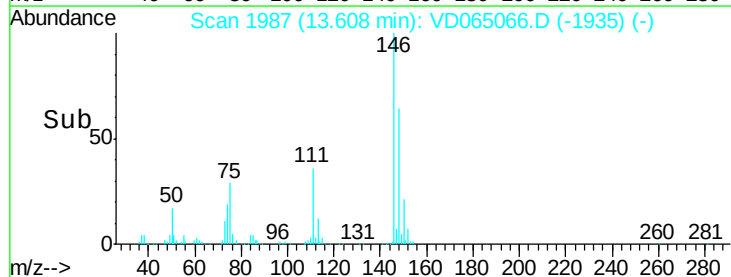
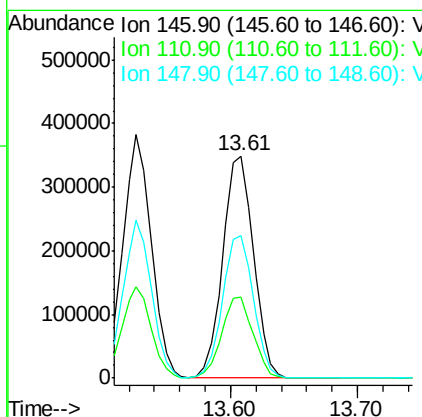
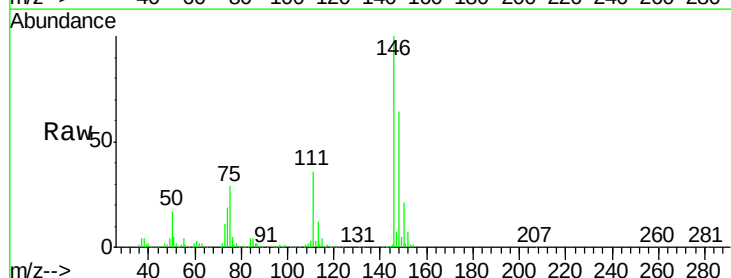
Manual Integrations
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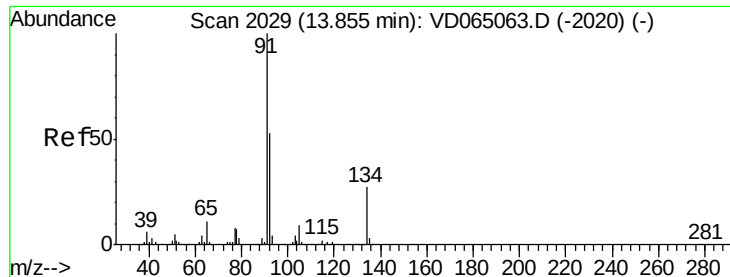
MMDadoda
 2/6/2020 10:37:24 AM



#88
 1,4-Dichlorobenzene
 Concen: 54.548 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	64.4	32.7	98.1





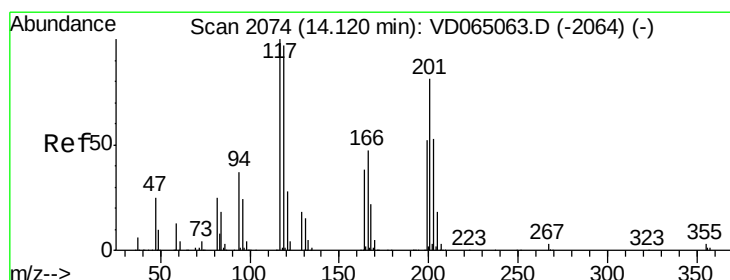
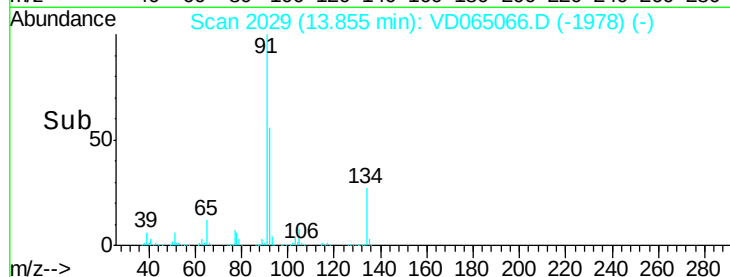
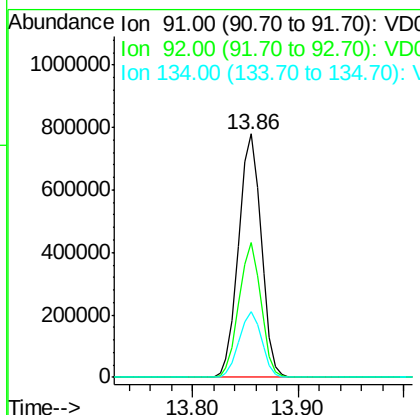
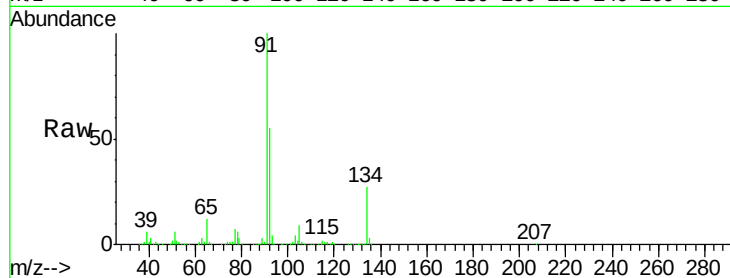
#89
n-Butylbenzene
Concen: 58.313 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
ICVVD020520

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.7	80.1
134	26.9	13.4	40.2

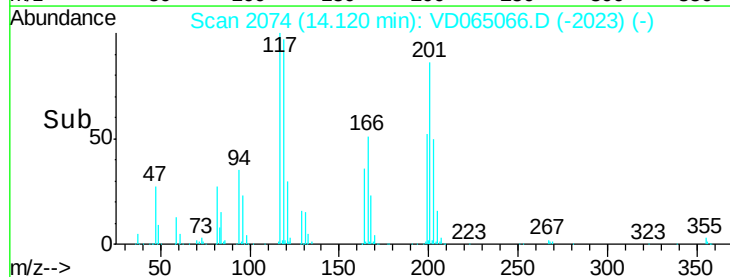
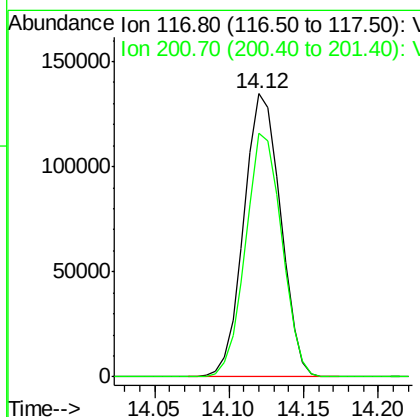
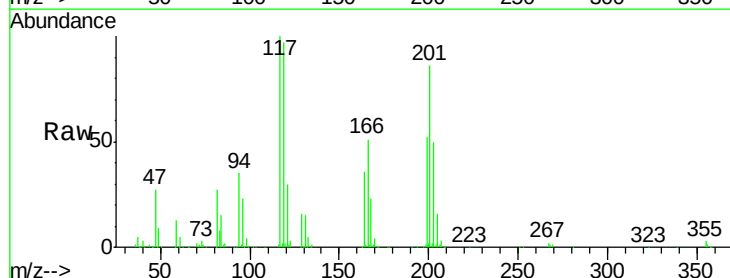
Manual Integrations
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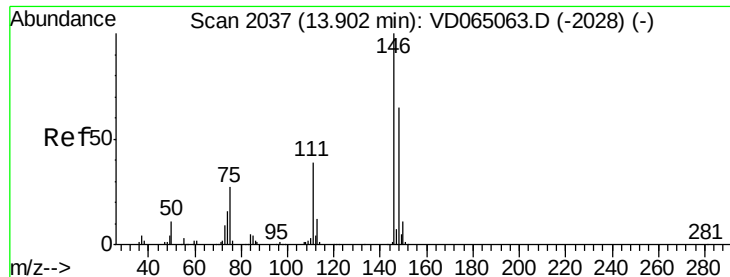
MMDadoda
2/6/2020 10:37:24 AM



#90
Hexachloroethane
Concen: 56.828 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	42.5	127.6





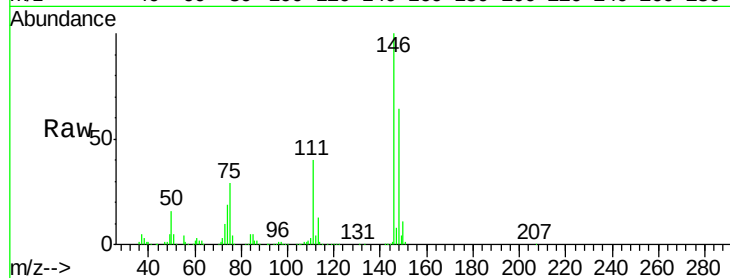
#91
 1,2-Dichlorobenzene
 Concen: 54.232 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD020520

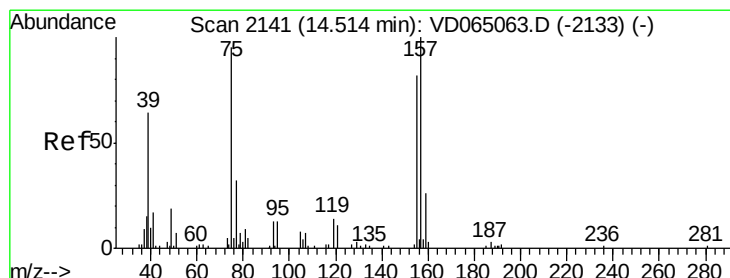
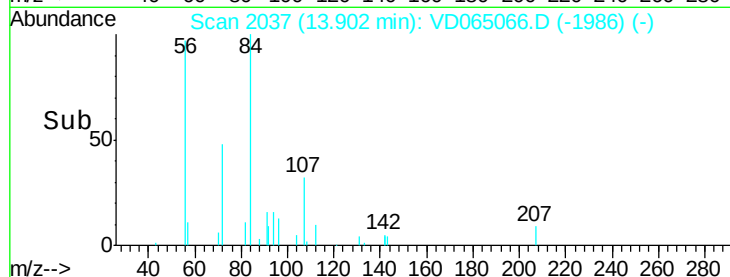
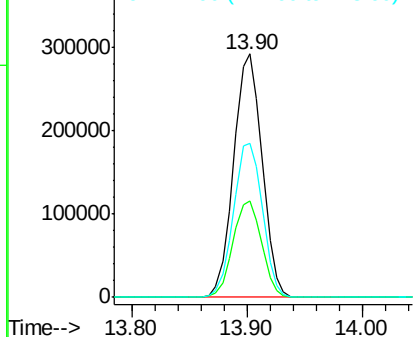
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.1
148	64.3	31.9	95.5

Manual Integrations
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 2/6/2020 10:37:24 AM

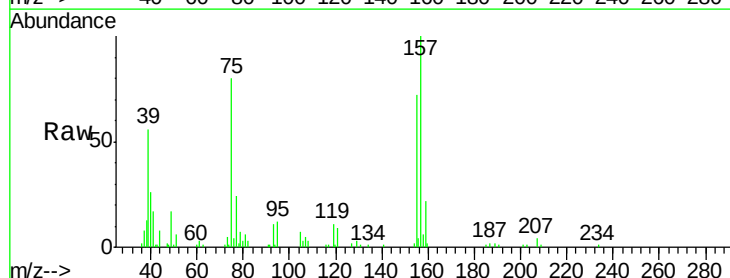


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

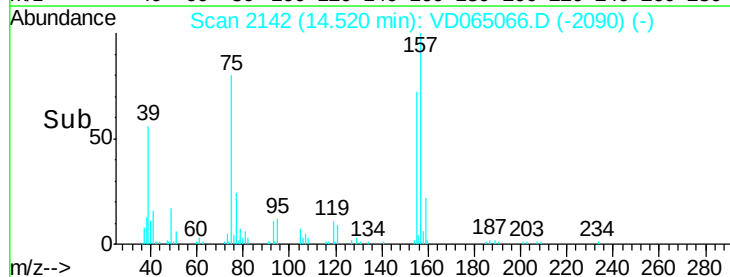
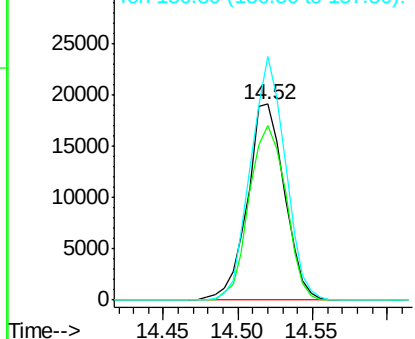


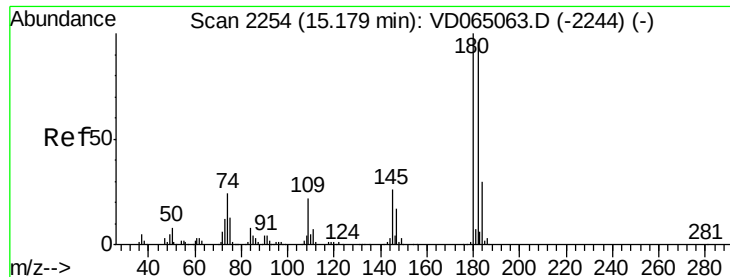
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.438 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065066.D
 Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	43.4	130.1
157	116.4	55.8	167.3



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





#93

1,2,4-Trichlorobenzene

Concen: 53.957 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. -0.01 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Instrument :

MSVOA_D

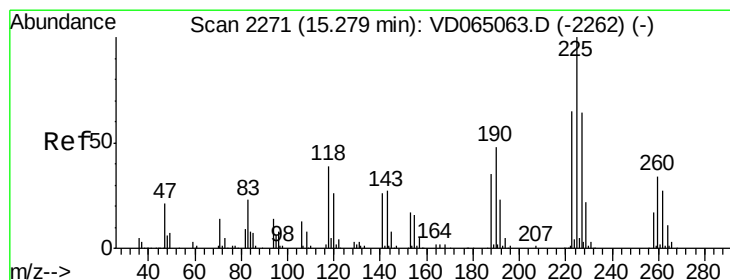
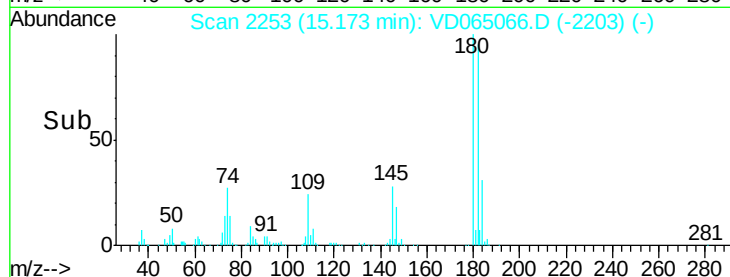
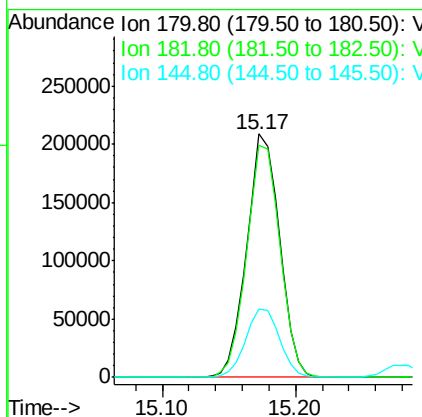
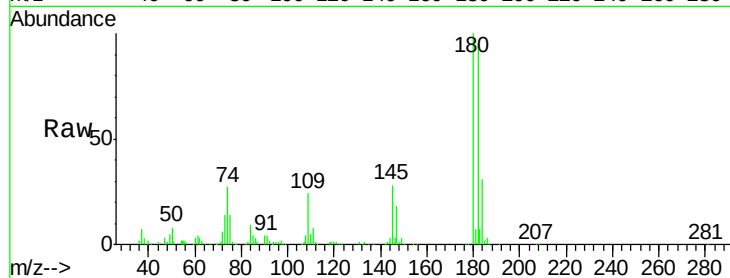
ClientSampleId :

ICVVD020520

Tot Ion:	180	Resp:	355669
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.4	142.3
145	29.1	14.1	42.4

Manual Integrations
APPROVED

MMDadoda
2/6/2020 10:37:24 AM



#94

Hexachlorobutadiene

Concen: 55.024 ug/l

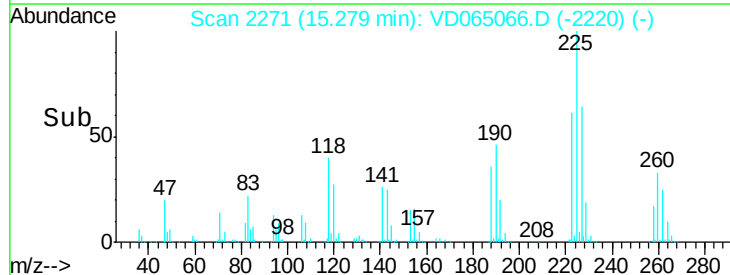
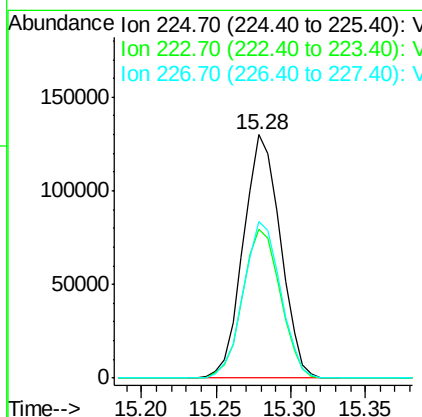
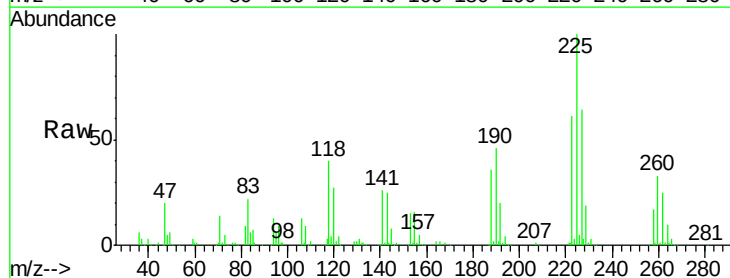
RT: 15.28 min Scan# 2271

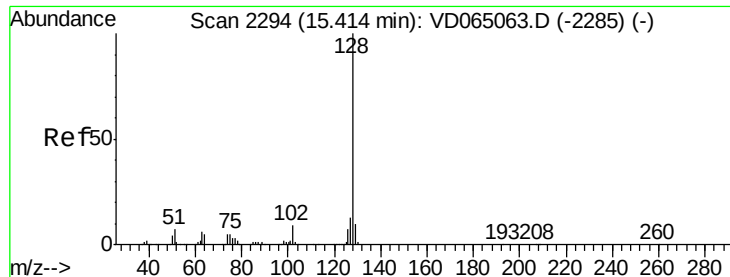
Delta R.T. 0.00 min

Lab File: VD065066.D

Acq: 05 Feb 2020 16:01

Tgt Ion:	225	Resp:	223014
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.4	94.0
227	64.6	31.8	95.3





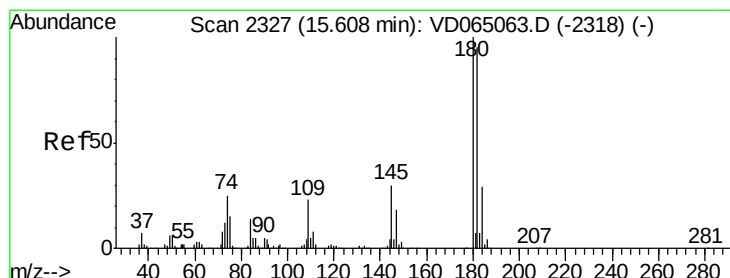
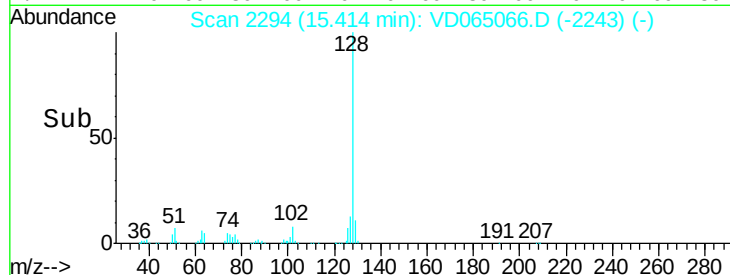
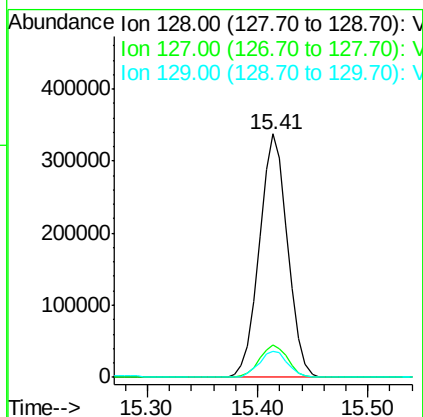
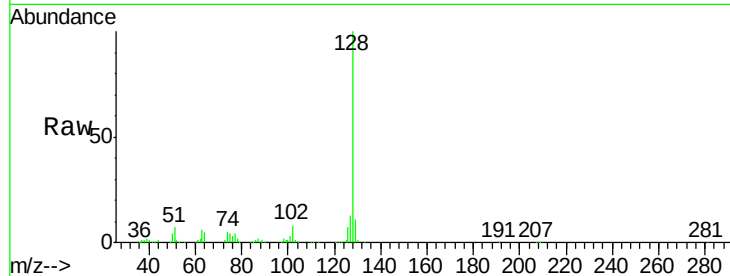
#95
Naphthalene
Concen: 55.113 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :
ICVVD020520

Tot Ion	Ratio	Resp	Lower	Upper
128	100	603820		
127	13.5		10.6	15.8
129	11.0		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/6/2020 10:37:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.149 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065066.D
Acq: 05 Feb 2020 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	305309		
182	96.2		47.1	141.4
145	30.1		14.9	44.9

