

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065081.D
 Acq On : 06 Feb 2020 12:33
 Operator : VA/SY
 Sample : VD0206SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 12:05:37 PM

Quant Time: Feb 07 06:21:54 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	7.98	168	465883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	695342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	625628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	222187	56.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.22%	
35) Dibromofluoromethane	7.92	113	213141	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
50) Toluene-d8	10.34	98	839420	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
62) 4-Bromofluorobenzene	12.64	95	261965	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	83456	21.526	ug/l	96
3) Chloromethane	2.21	50	112375	24.623	ug/l	94
4) Vinyl Chloride	2.35	62	115175	23.863	ug/l	100
5) Bromomethane	2.76	94	74223	23.717	ug/l	95
6) Chloroethane	2.92	64	74614	24.922	ug/l	99
7) Trichlorofluoromethane	3.27	101	167515	23.849	ug/l	95
8) Diethyl Ether	3.70	74	43806	21.725	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94614	22.034	ug/l	98
10) Methyl Iodide	4.29	142	98313	20.060	ug/l	97
11) Tert butyl alcohol	5.24	59	29278	121.020	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	88286	21.468	ug/l	97
13) Acrolein	3.93	56	31186	104.804	ug/l	97
14) Allyl chloride	4.71	41	150363	22.000	ug/l	98
15) Acrylonitrile	5.43	53	99022	112.326	ug/l	99
16) Acetone	4.17	43	98969	99.972	ug/l	96
17) Carbon Disulfide	4.40	76	300341	22.746	ug/l	98
18) Methyl Acetate	4.72	43	46424	22.445	ug/l #	81
19) Methyl tert-butyl Ether	5.49	73	194988	21.441	ug/l	96
20) Methylene Chloride	4.96	84	109152	22.905	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	102015	21.926	ug/l	95
22) Diisopropyl ether	6.37	45	290517	22.535	ug/l	96
23) Vinyl Acetate	6.31	43	787270	109.560	ug/l	100
24) 1,1-Dichloroethane	6.27	63	175955	22.549	ug/l	99
25) 2-Butanone	7.22	43	128946	109.194	ug/l	100
26) 2,2-Dichloropropane	7.21	77	159133	22.752	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	109550	22.163	ug/l	100
28) Bromochloromethane	7.55	49	60027	20.293	ug/l	96
29) Tetrahydrofuran	7.57	42	77128	108.003	ug/l	99
30) Chloroform	7.71	83	176614	22.731	ug/l	97
31) Cyclohexane	7.98	56	167653	21.284	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	161393	22.299	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142651	22.063	ug/l	99
37) Ethyl Acetate	7.30	43	54327	20.567	ug/l	98
38) Carbon Tetrachloride	8.10	117	145217	21.991	ug/l	96

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 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)
39) Methylcyclohexane	9.36	83	165825	20.778	ug/l	97
40) Benzene	8.36	78	395809	22.168	ug/l	100
41) Methacrylonitrile	7.54	41	37417	25.712	ug/l	86
42) 1,2-Dichloroethane	8.43	62	117610	23.118	ug/l	100
43) Isopropyl Acetate	8.46	43	107652	21.305	ug/l	99
44) Trichloroethene	9.11	130	110041	21.472	ug/l	97
45) 1,2-Dichloropropane	9.39	63	95927	22.408	ug/l	93
46) Dibromomethane	9.48	93	51914	23.078	ug/l	97
47) Bromodichloromethane	9.67	83	135555	22.870	ug/l	98
48) Methyl methacrylate	9.46	41	51302	21.099	ug/l	95
49) 1,4-Dioxane	9.47	88	11368	426.670	ug/l #	90
51) 4-Methyl-2-Pentanone	10.24	43	272385	109.518	ug/l	99
52) Toluene	10.41	92	253228	22.222	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	128877	22.332	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	152372	22.076	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	68176	22.096	ug/l	97
56) Ethyl methacrylate	10.67	69	82142	21.040	ug/l	98
57) 1,3-Dichloropropane	10.95	76	120514	22.212	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	126347	87.837	ug/l	99
59) 2-Hexanone	10.99	43	189820	107.749	ug/l	98
60) Dibromochloromethane	11.14	129	91881	22.990	ug/l	100
61) 1,2-Dibromoethane	11.26	107	67955	22.540	ug/l	97
64) Tetrachloroethene	10.88	164	94989	21.130	ug/l	98
65) Chlorobenzene	11.68	112	267146	22.077	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	98506	22.056	ug/l	98
67) Ethyl Benzene	11.75	91	468713	21.320	ug/l	98
68) m/p-Xylenes	11.86	106	362997	43.261	ug/l	100
69) o-Xylene	12.18	106	160415	21.230	ug/l	98
70) Styrene	12.20	104	284301	21.648	ug/l	100
71) Bromoform	12.37	173	53118	22.097	ug/l #	100
73) Isopropylbenzene	12.48	105	433503	20.760	ug/l	100
74) N-amyl acetate	12.30	43	93651	20.634	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	73692	22.423	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	50378m	21.872	ug/l	
77) Bromobenzene	12.77	156	107780	21.423	ug/l	97
78) n-propylbenzene	12.83	91	528738	21.622	ug/l	99
79) 2-Chlorotoluene	12.91	91	288039	21.131	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	366993	21.483	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	25520	22.158	ug/l	99
82) 4-Chlorotoluene	13.01	91	306018	21.376	ug/l	100
83) tert-Butylbenzene	13.23	119	299611	20.329	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	361949	21.342	ug/l	98
85) sec-Butylbenzene	13.41	105	419409	20.836	ug/l	99
86) p-Isopropyltoluene	13.53	119	394000	21.067	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	204921	21.755	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	197814	21.100	ug/l	97
89) n-Butylbenzene	13.86	91	357885	20.732	ug/l	99
90) Hexachloroethane	14.12	117	75647	21.360	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	170767	21.165	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11889	22.161	ug/l	98

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ClientSampleId :
VD0206SBSD01

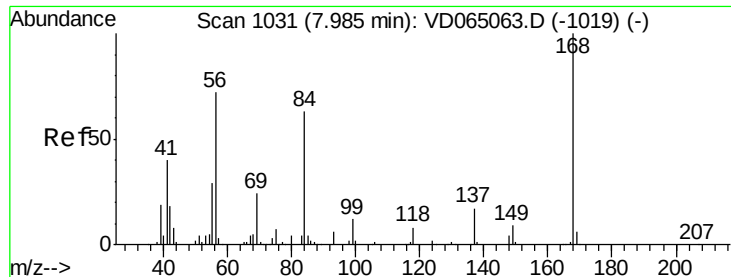
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	118064	20.474	ug/l	99
94) Hexachlorobutadiene	15.28	225	72353	20.406	ug/l	98
95) Naphthalene	15.41	128	186476	19.456	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	100872	20.450	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBSD01

Tot Ion:168 Resp: 465883

Ion Ratio Lower Upper

168 100

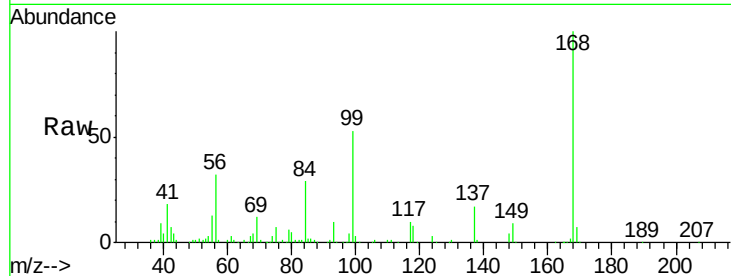
99 53.1 41.0 61.6

Manual Integrations

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2/7/2020 12:05:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

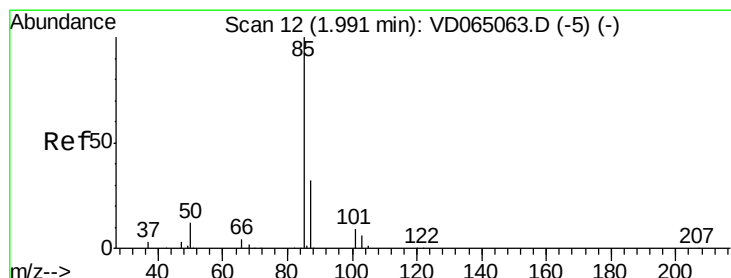
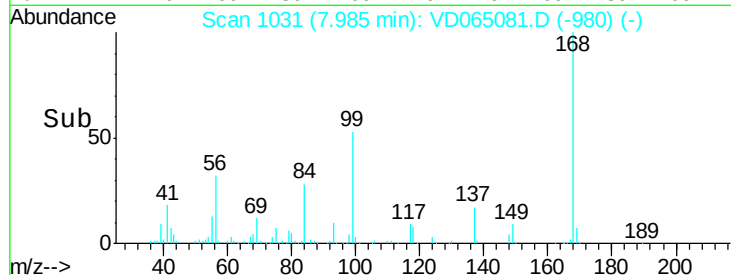
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.526 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065081.D

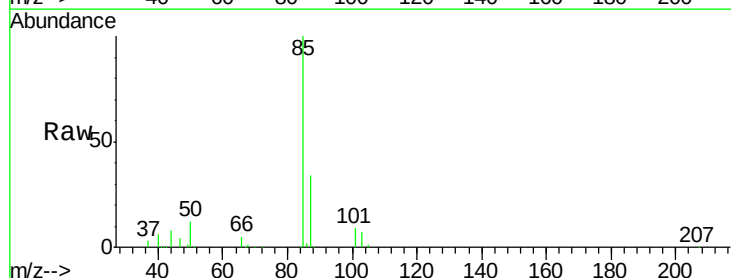
Acq: 06 Feb 2020 12:33

Tgt Ion: 85 Resp: 83456

Ion Ratio Lower Upper

85 100

87 33.7 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

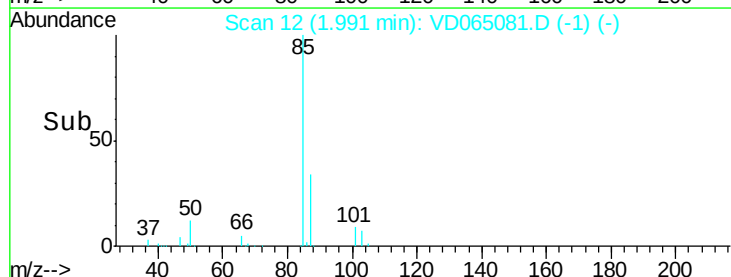
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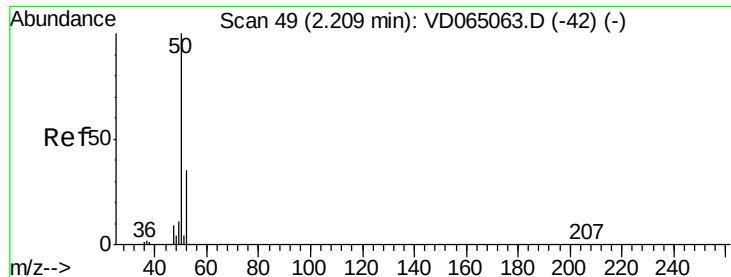
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 24.623 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBSD01

Tot Ion: 50 Resp: 112375

Ion Ratio Lower Upper

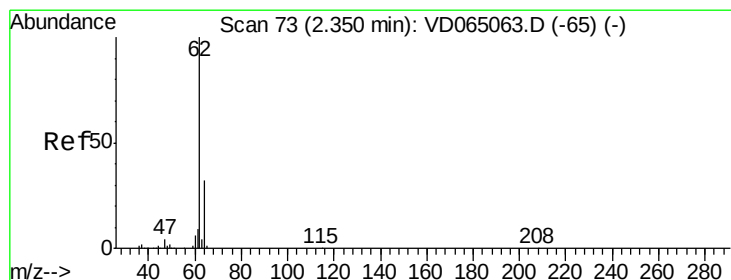
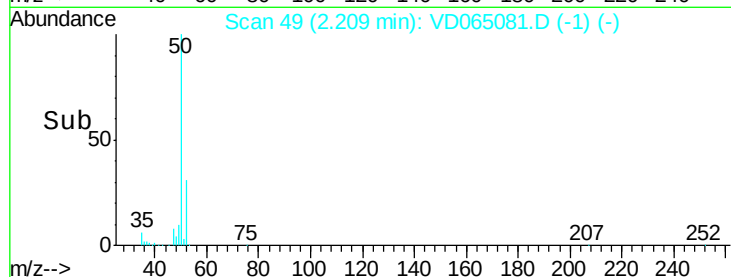
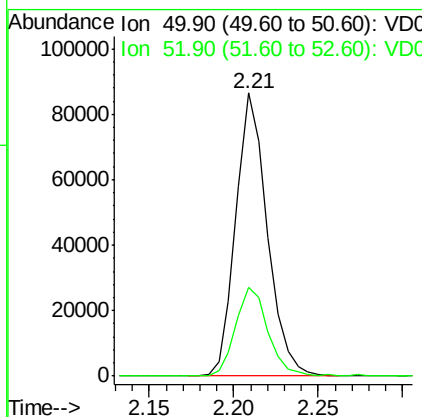
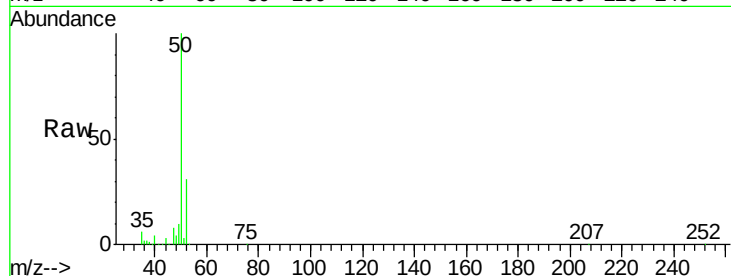
50 100

52 31.2 27.8 41.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 23.863 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065081.D

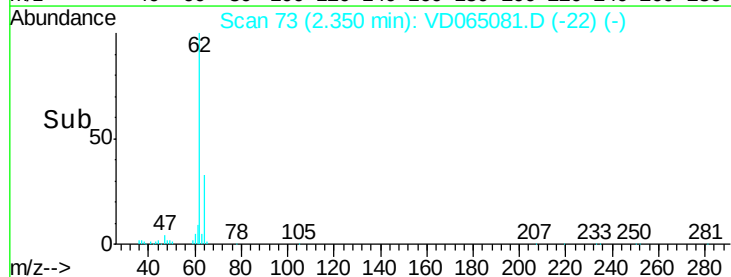
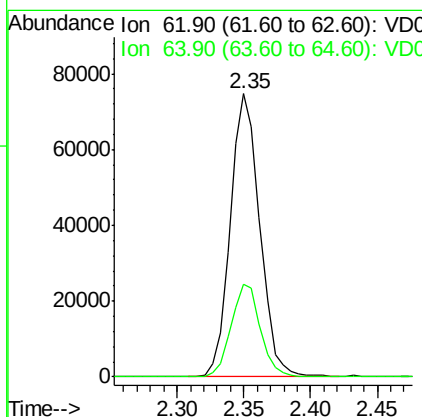
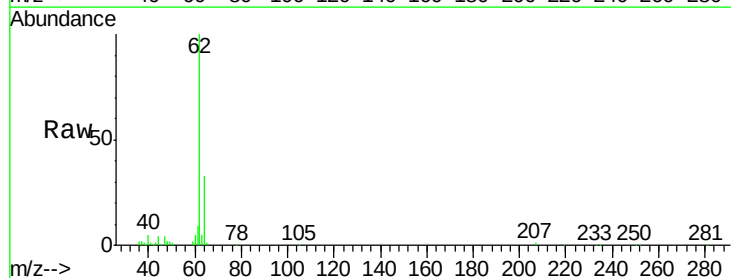
Acq: 06 Feb 2020 12:33

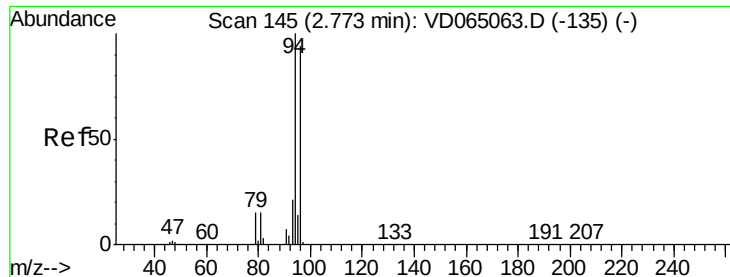
Tgt Ion: 62 Resp: 115175

Ion Ratio Lower Upper

62 100

64 32.6 25.9 38.9





#5

Bromomethane

Concen: 23.717 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion: 94 Resp: 74223

Ion Ratio Lower Upper

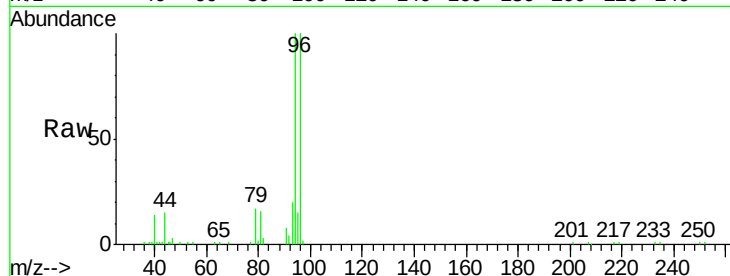
94 100

96 98.8 75.4 113.0

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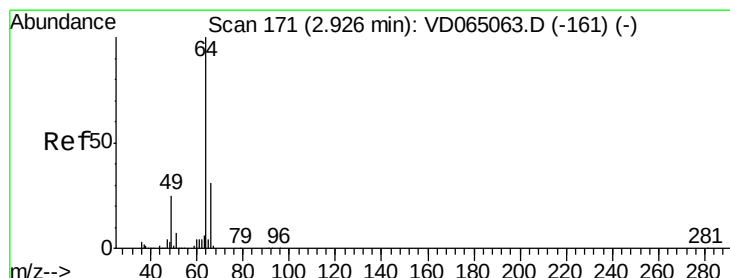
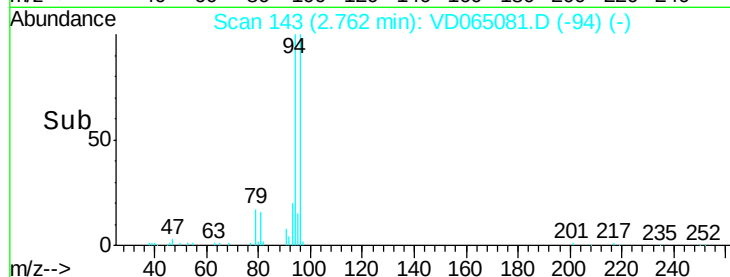
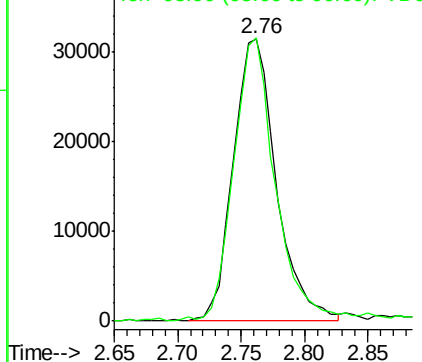
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2/7/2020 12:05:37 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.922 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065081.D

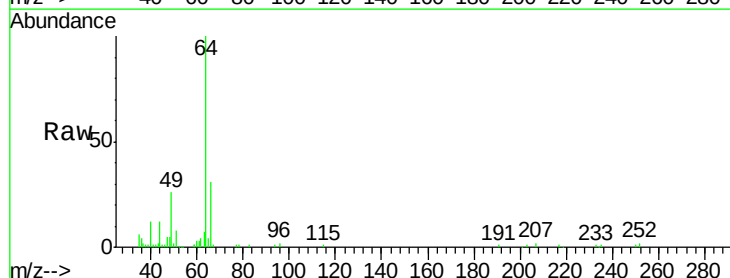
Acq: 06 Feb 2020 12:33

Tgt Ion: 64 Resp: 74614

Ion Ratio Lower Upper

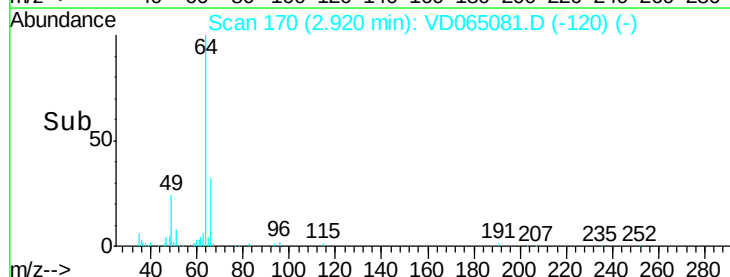
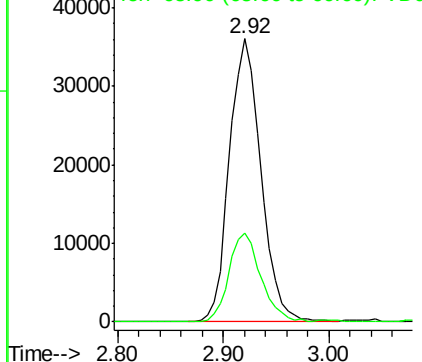
64 100

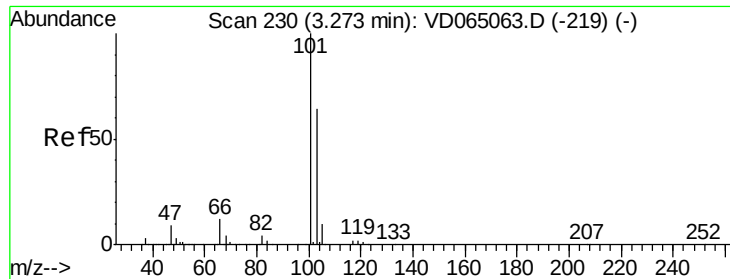
66 31.3 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

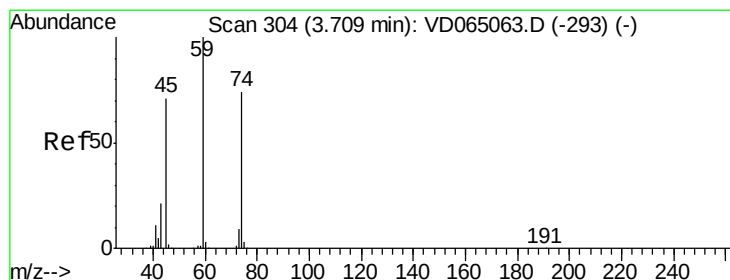
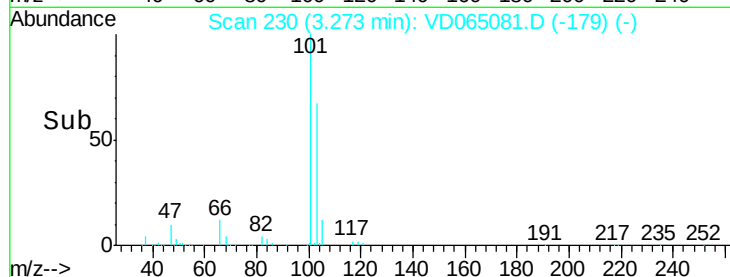
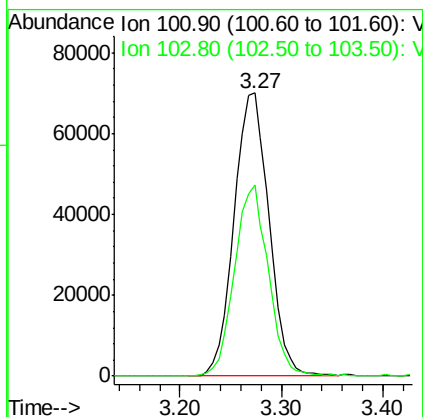
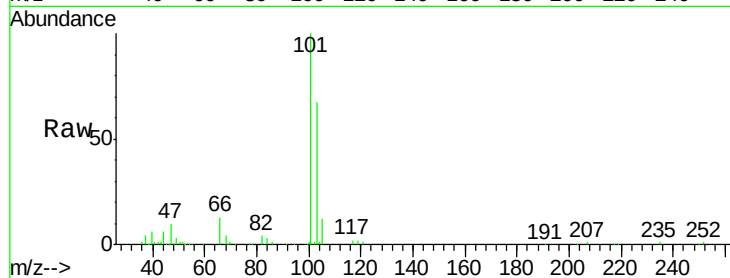
Trichlorofluoromethane
 Concen: 23.849 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	51.0	76.6

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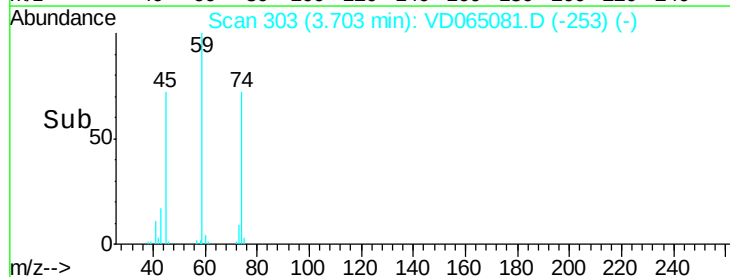
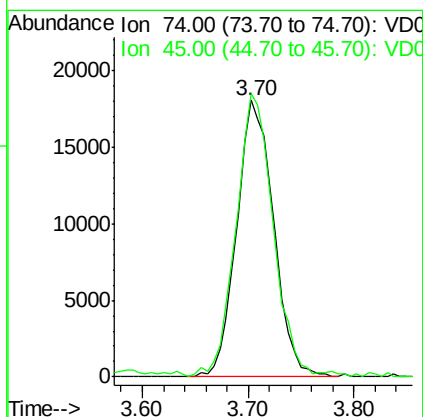
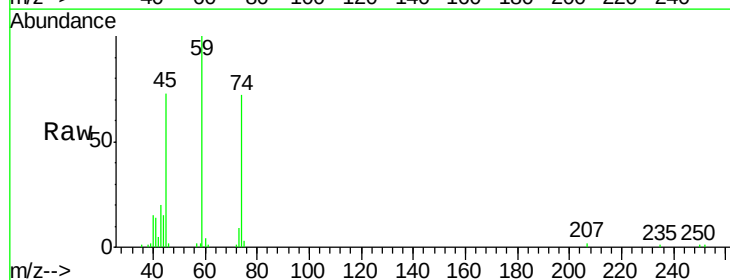
MMDadoda
 2/7/2020 12:05:37 PM

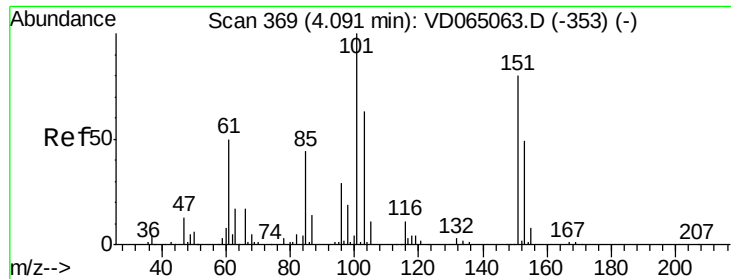


#8

Diethyl Ether
 Concen: 21.725 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.1	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.034 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

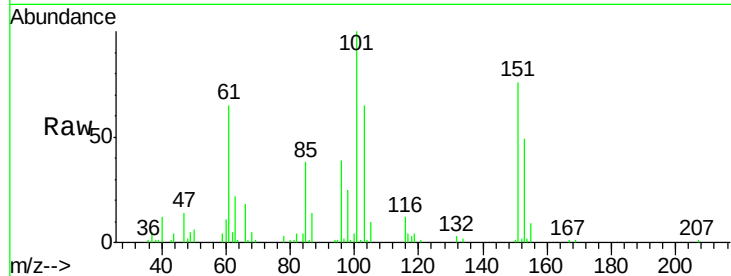
ClientSampleId :

VD0206SBS01

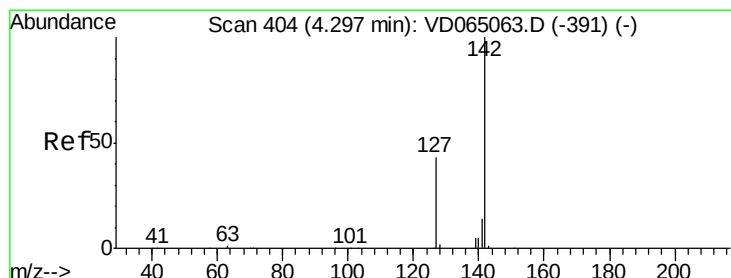
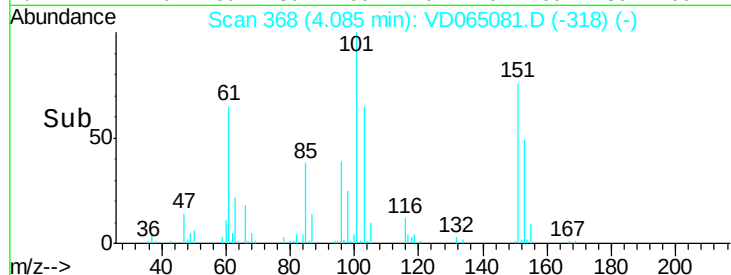
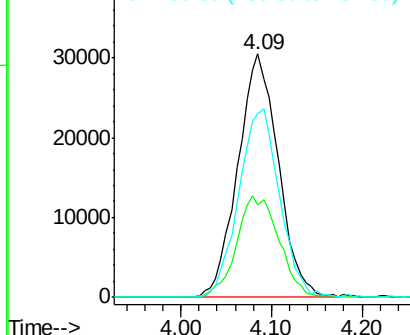
Tot Ion:	101	Resp:	94614
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.0	51.0
151	78.4	64.0	96.0

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.060 ug/l

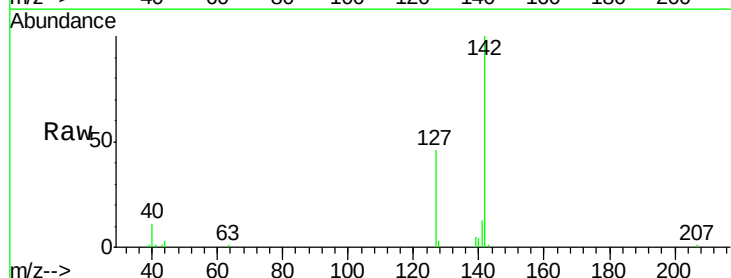
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

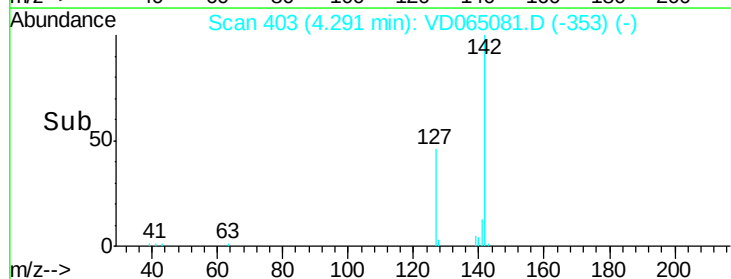
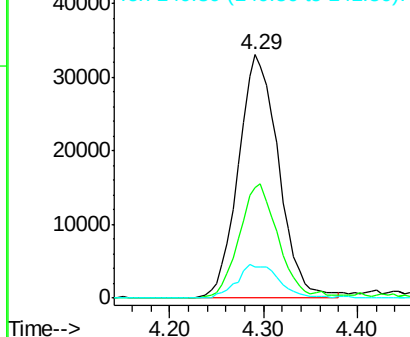
Lab File: VD065081.D

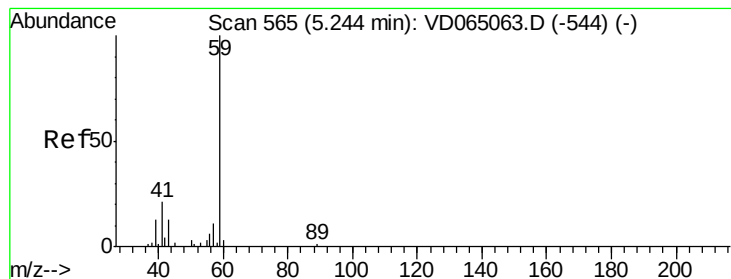
Acq: 06 Feb 2020 12:33

Tgt Ion:	142	Resp:	98313
Ion Ratio	Lower	Upper	
142	100		
127	44.6	34.0	51.0
141	14.3	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

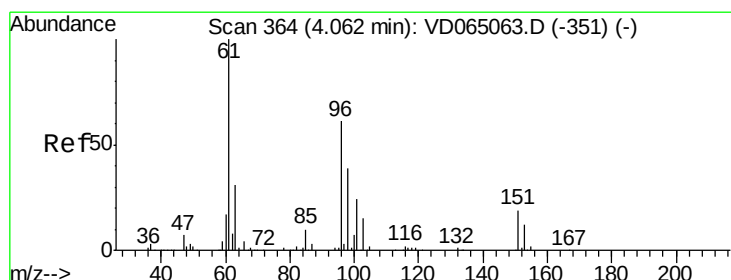
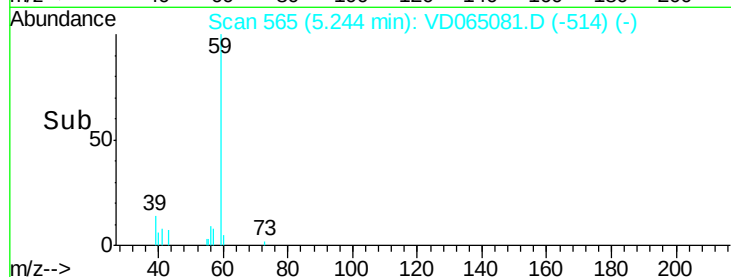
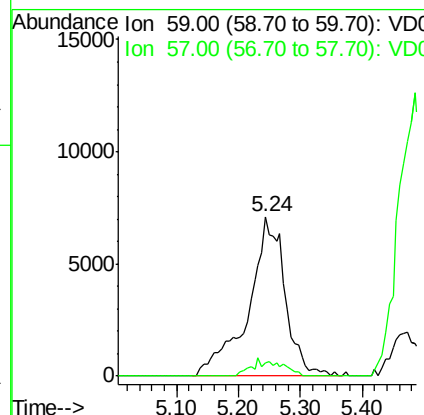
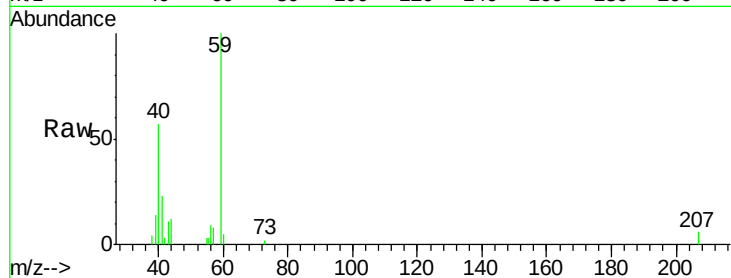
Tert butyl alcohol
 Concen: 121.020 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBSD01

Tot Ion: 59 Resp: 29278
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

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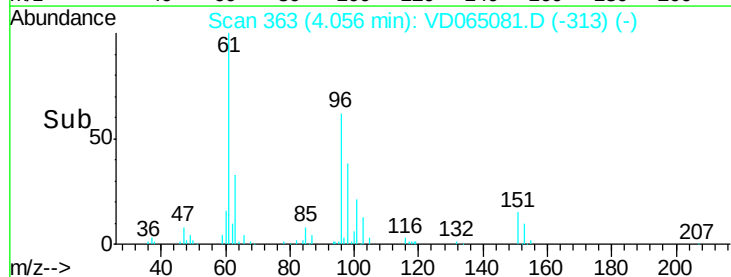
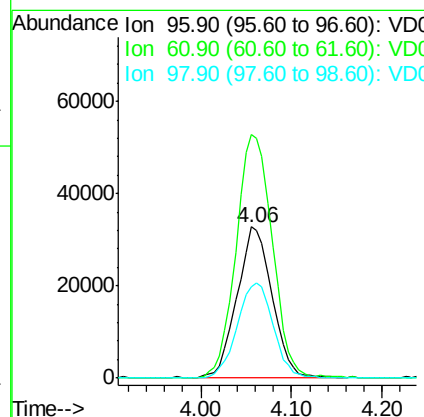
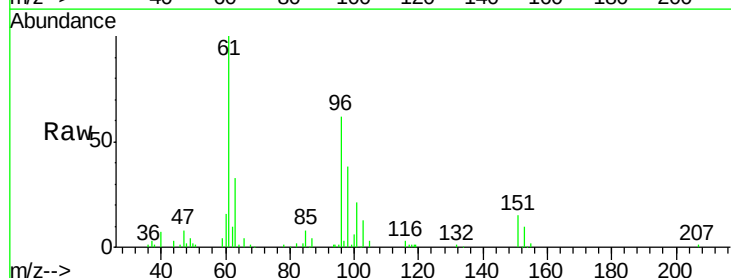
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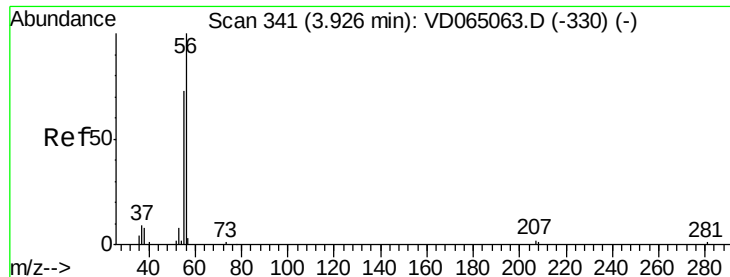


#12

1,1-Dichloroethene
 Concen: 21.468 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion: 96 Resp: 88286
 Ion Ratio Lower Upper
 96 100
 61 161.2 131.4 197.2
 98 60.7 51.1 76.7





#13

Acrolein

Concen: 104.804 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBSD01

Tot Ion: 56 Resp: 31186

Ion Ratio Lower Upper

56 100

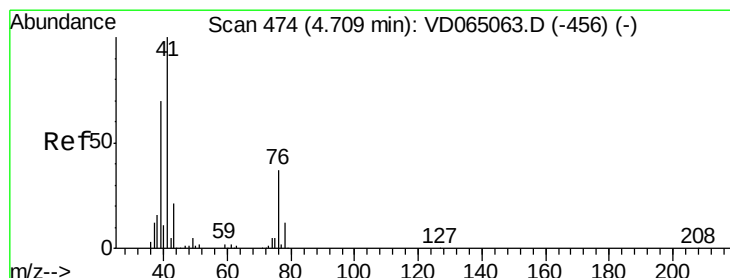
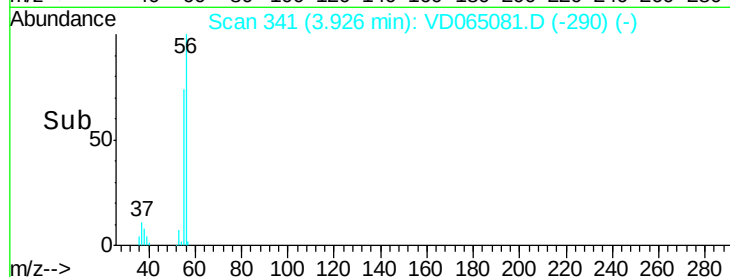
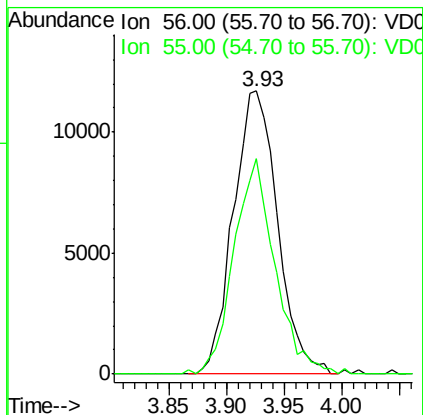
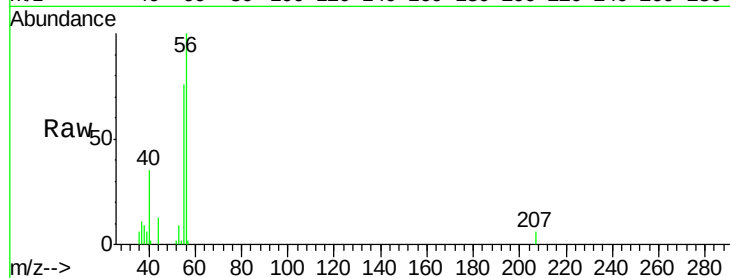
55 70.5 58.2 87.2

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#14

Allyl chloride

Concen: 22.000 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

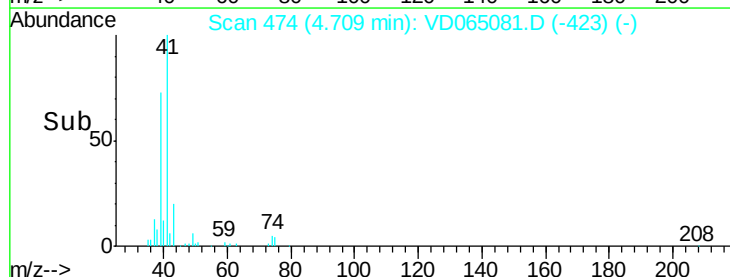
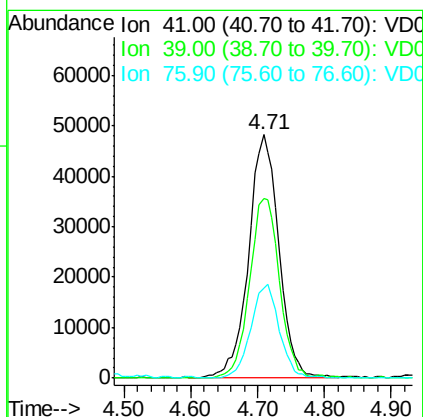
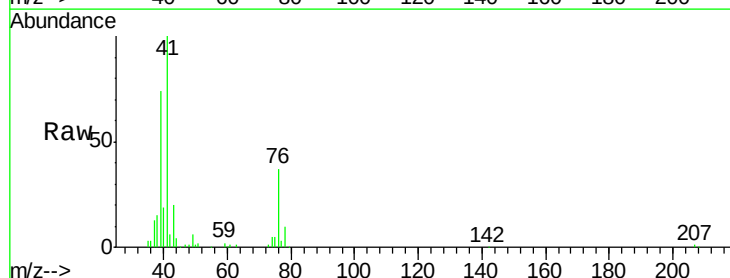
Tgt Ion: 41 Resp: 150363

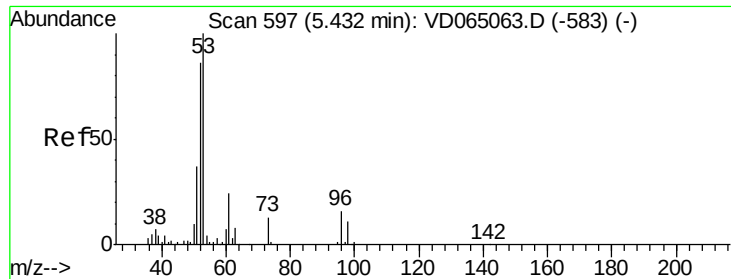
Ion Ratio Lower Upper

41 100

39 72.7 57.1 85.7

76 36.0 28.0 42.0





#15

Acrylonitrile

Concen: 112.326 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

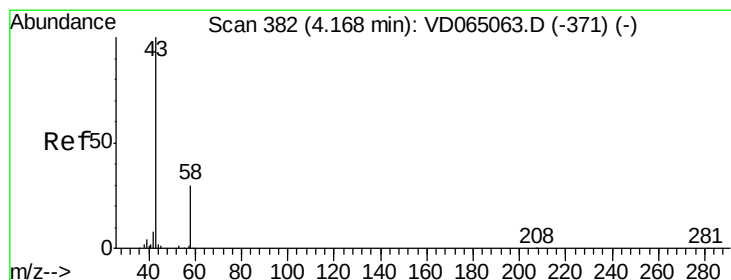
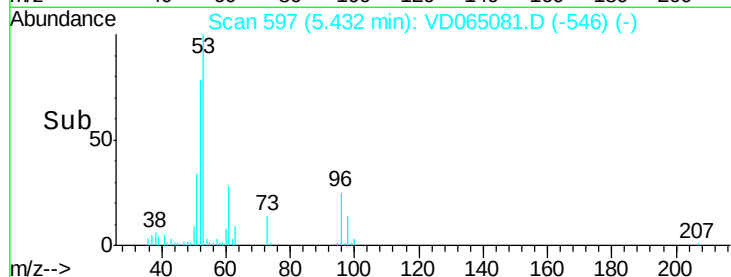
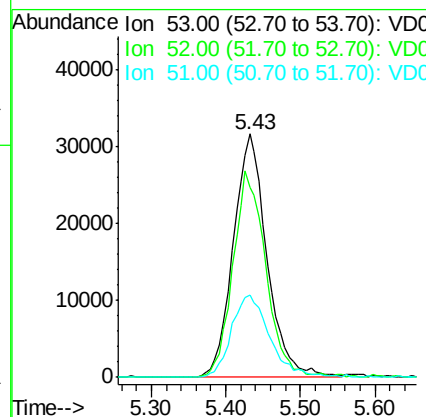
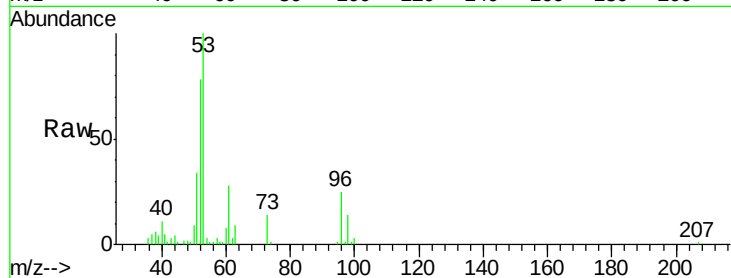
ClientSampleId :

VD0206SBS01

Tot Ion:	53	Resp:	99022
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.2
51	38.3	30.4	45.6

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#16

Acetone

Concen: 99.972 ug/l

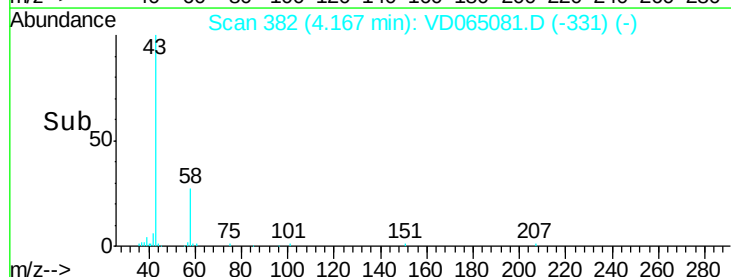
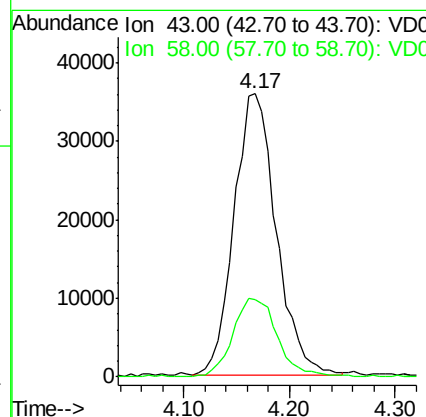
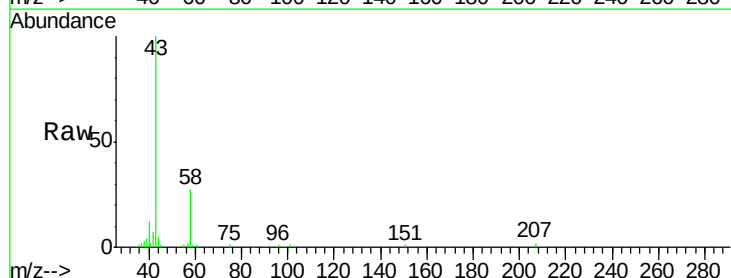
RT: 4.17 min Scan# 382

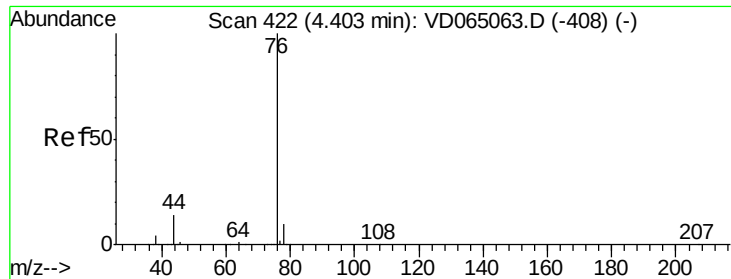
Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Tgt Ion:	43	Resp:	98969
Ion	Ratio	Lower	Upper
43	100		
58	27.3	23.5	35.3





#17

Carbon Disulfide

Concen: 22.746 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBSD01

Tot Ion: 76 Resp: 300341

Ion Ratio Lower Upper

76 100

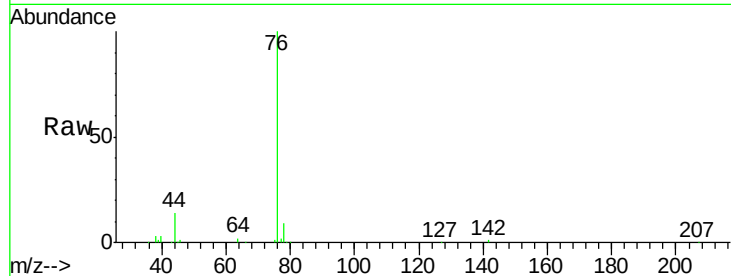
78 8.8 7.6 11.4

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

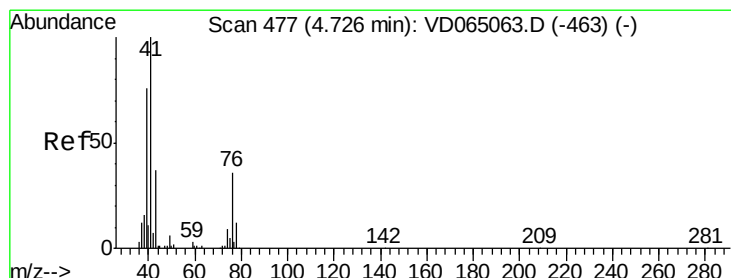
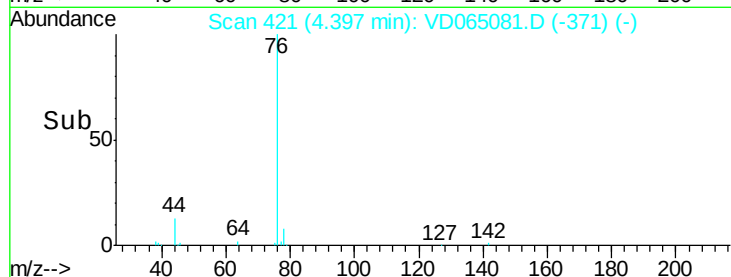
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 22.445 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065081.D

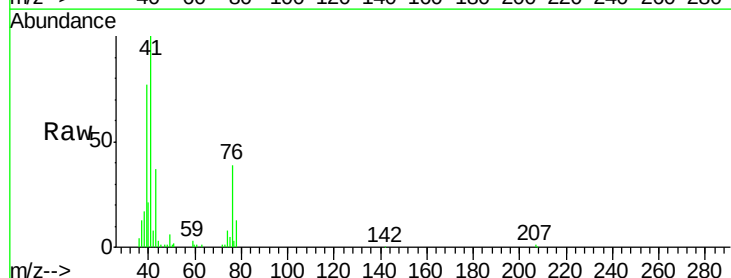
Acq: 06 Feb 2020 12:33

Tgt Ion: 43 Resp: 46424

Ion Ratio Lower Upper

43 100

74 14.3 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

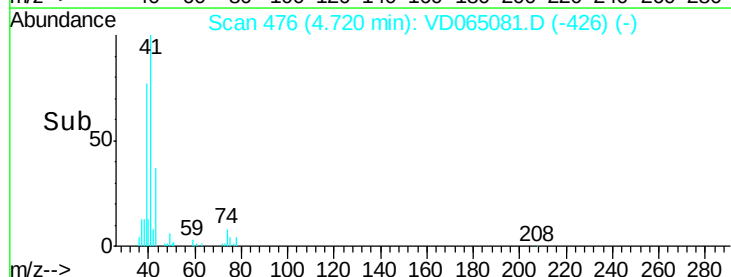
15000

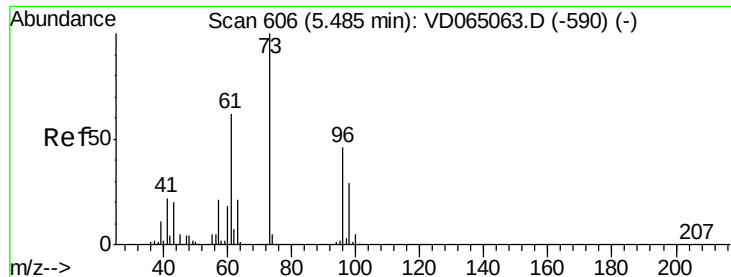
10000

5000

0

Time-->





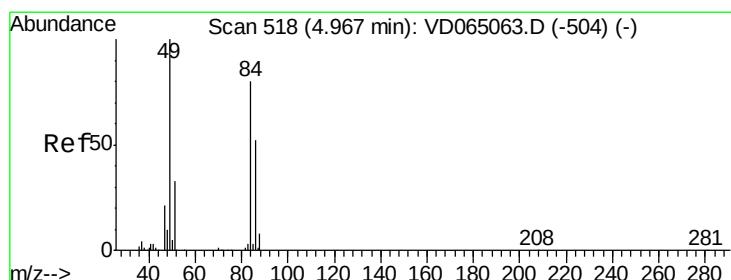
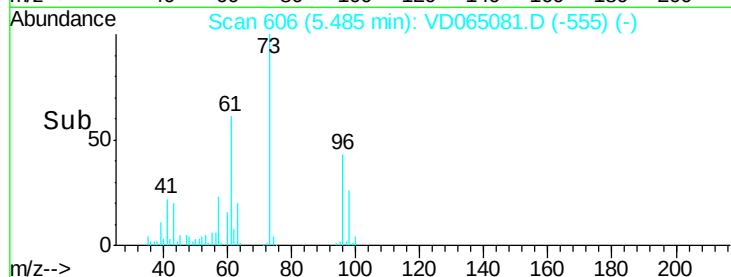
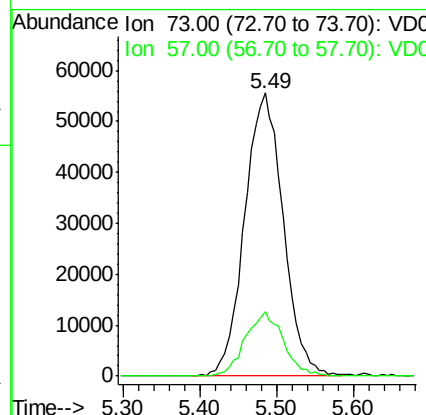
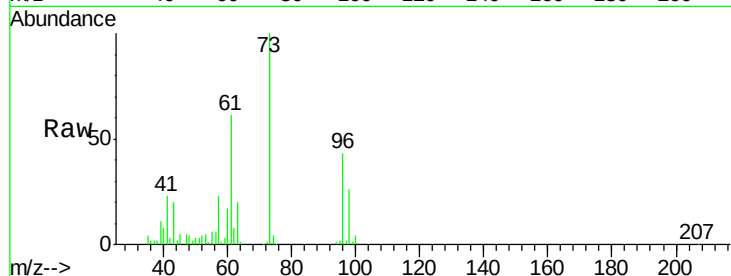
#19
Methyl tert-butyl Ether
Concen: 21.441 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion: 73 Resp: 194988
Ion Ratio Lower Upper
73 100
57 22.7 16.8 25.2

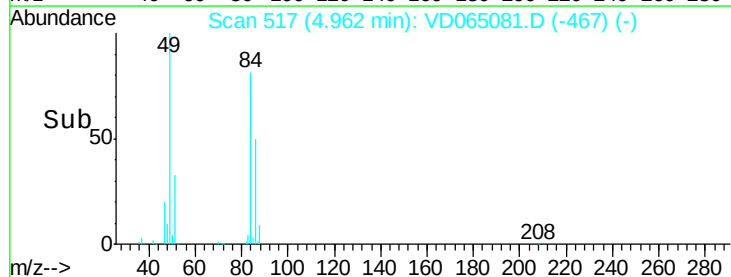
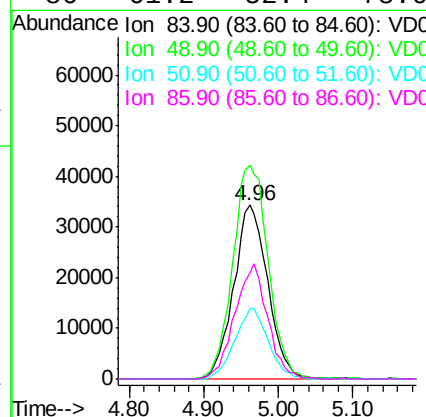
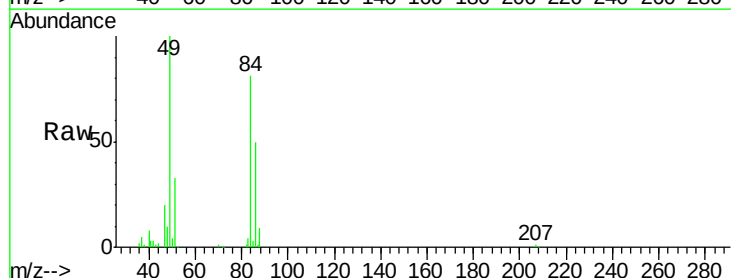
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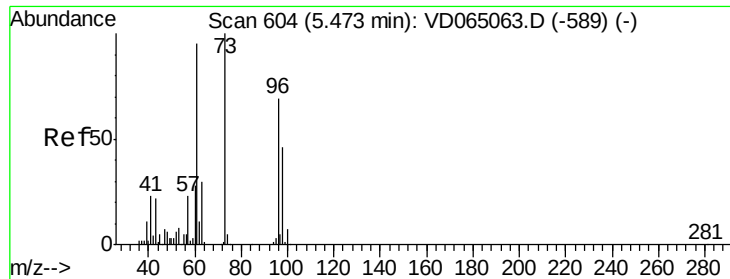
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#20
Methylene Chloride
Concen: 22.905 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion: 84 Resp: 109152
Ion Ratio Lower Upper
84 100
49 123.0 100.4 150.6
51 40.4 32.7 49.1
86 61.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 21.926 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

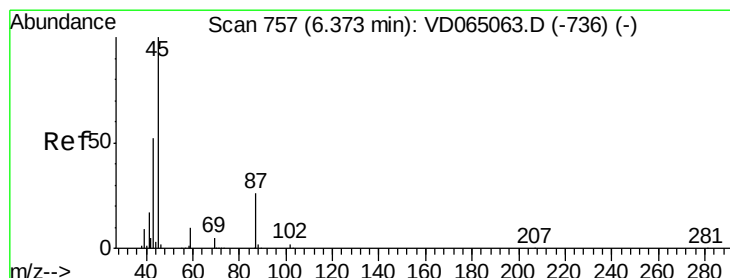
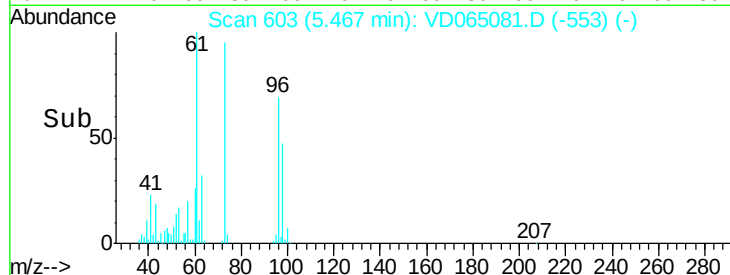
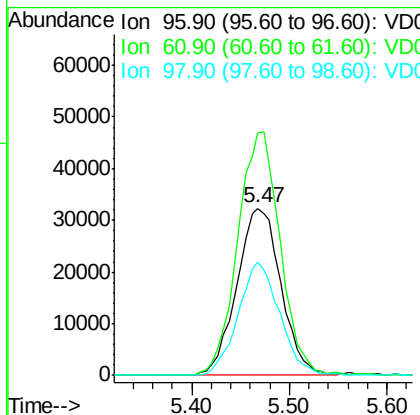
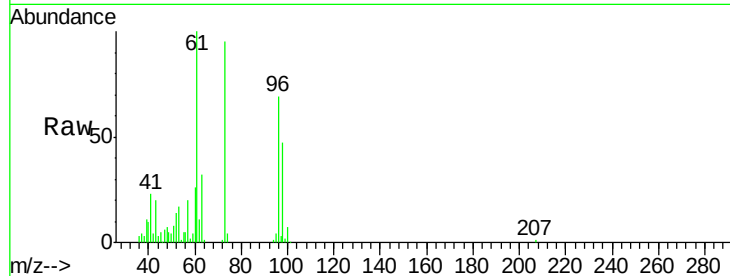
ClientSampleId :

VD0206SBS01

Tot Ion:	96	Resp:	102015
Ion	Ratio	Lower	Upper
96	100		
61	144.8	109.5	164.3
98	67.5	53.7	80.5

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#22

Diisopropyl ether

Concen: 22.535 ug/l

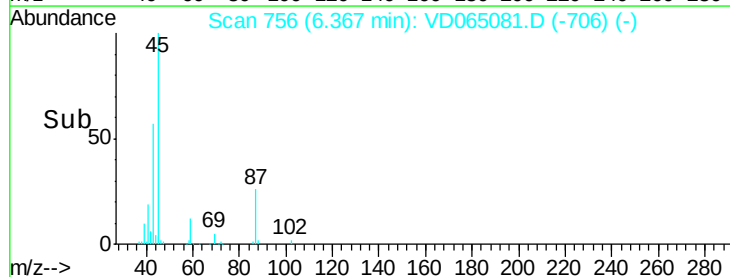
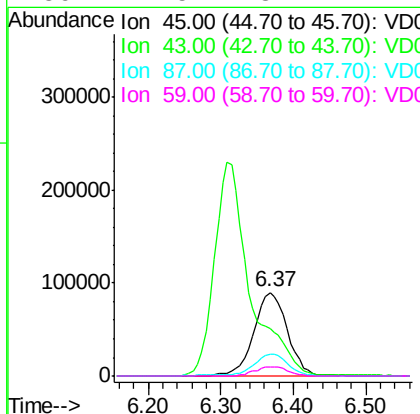
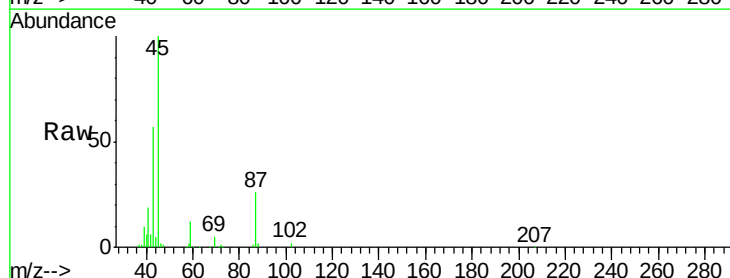
RT: 6.37 min Scan# 756

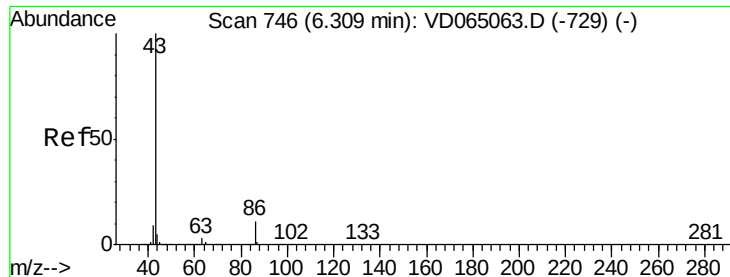
Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Tgt Ion:	45	Resp:	290517
Ion	Ratio	Lower	Upper
45	100		
43	55.5	41.3	61.9
87	26.1	21.0	31.6
59	11.5	8.2	12.4





#23

Vinyl Acetate

Concen: 109.560 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion: 43 Resp: 787270

Ion Ratio Lower Upper

43 100

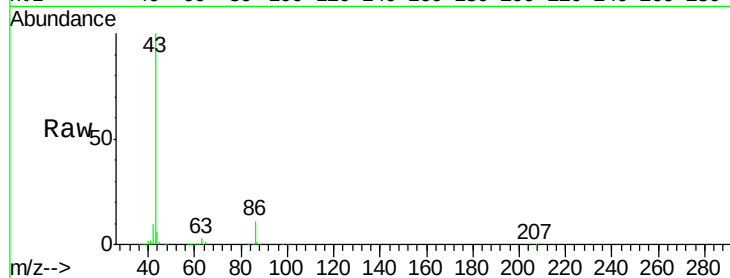
86 10.4 8.5 12.7

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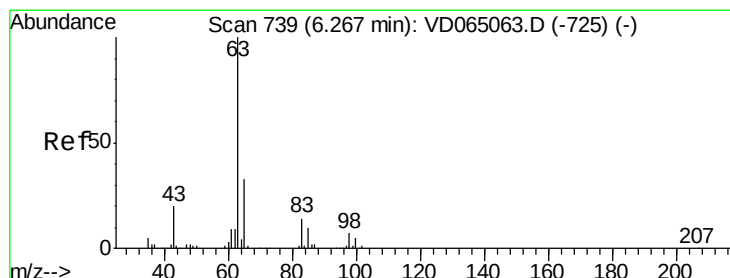
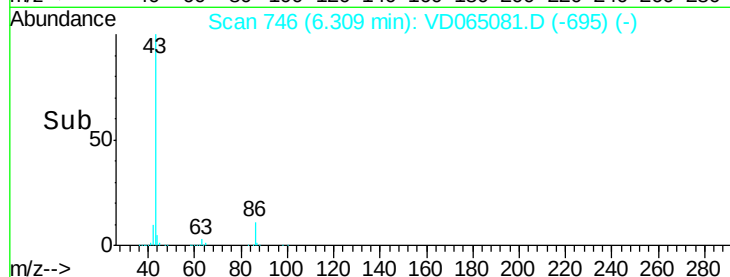
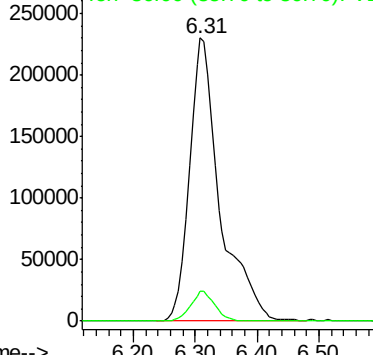
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.549 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

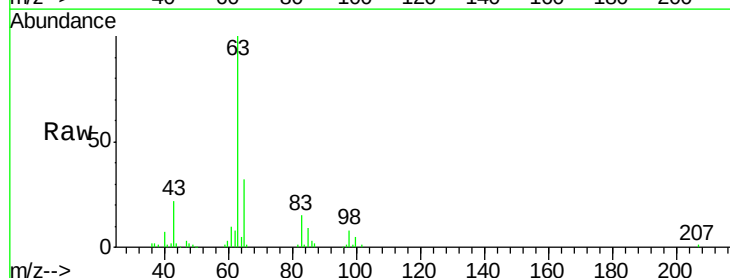
Tgt Ion: 63 Resp: 175955

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.4

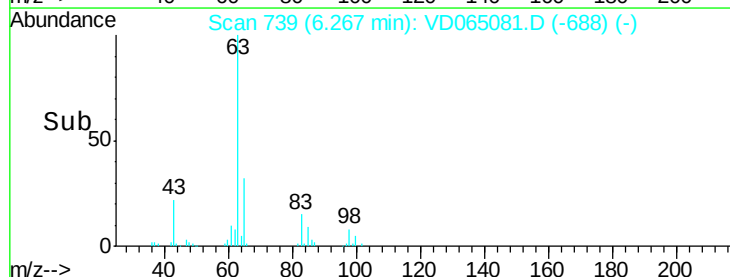
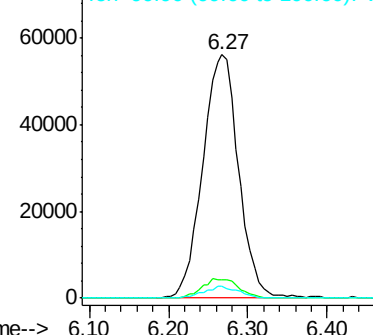
100 4.9 2.5 7.6

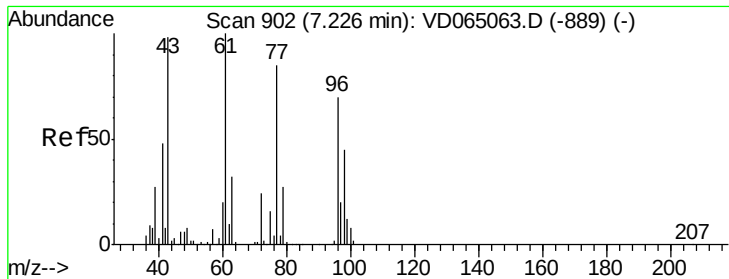


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 109.194 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion: 43 Resp: 128946

Ion Ratio Lower Upper

43 100

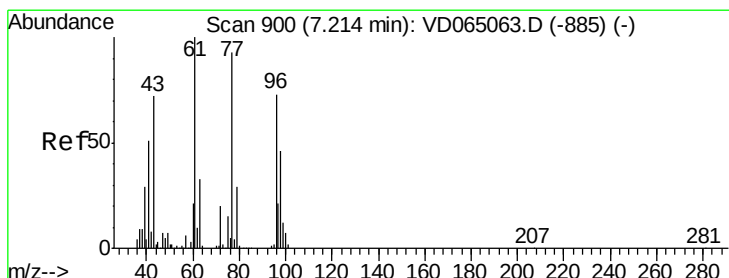
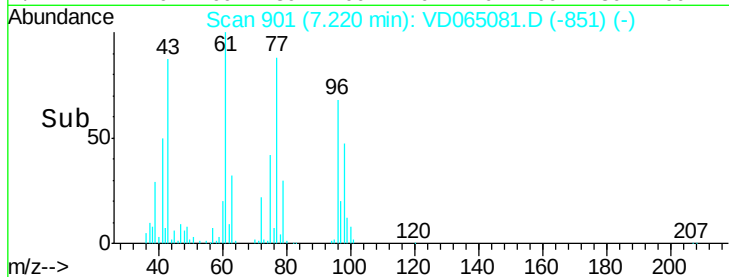
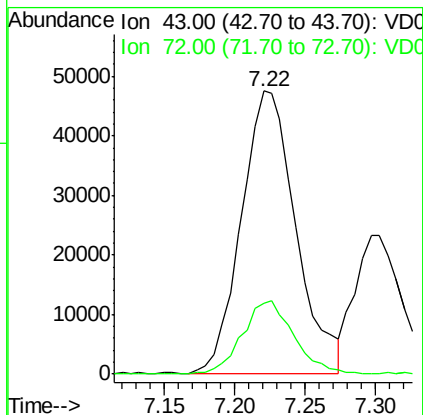
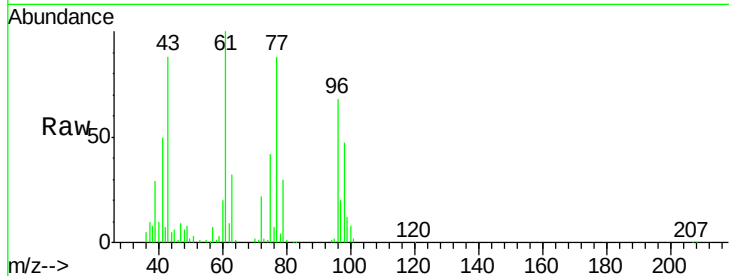
72 24.9 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 22.752 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065081.D

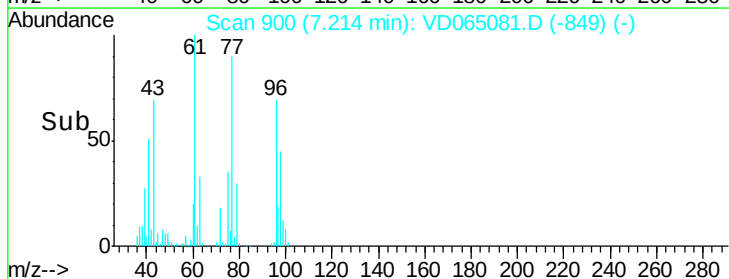
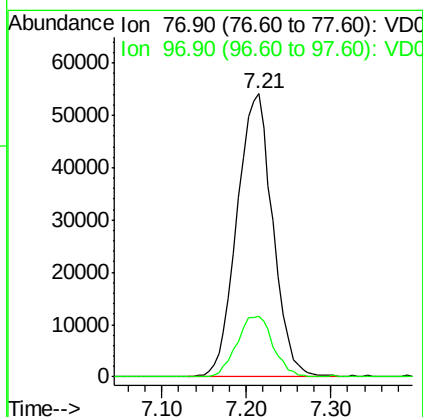
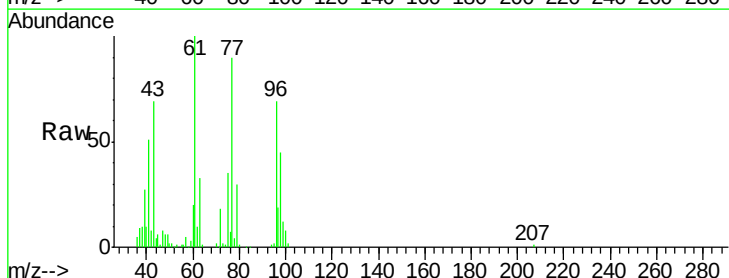
Acq: 06 Feb 2020 12:33

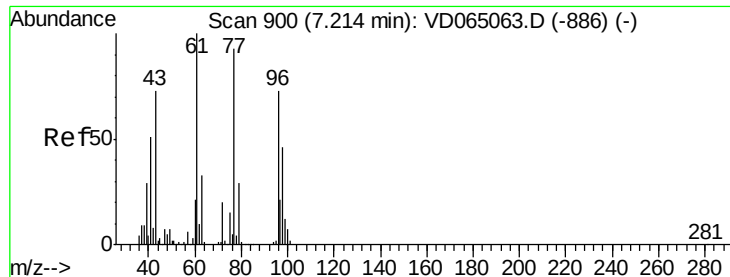
Tgt Ion: 77 Resp: 159133

Ion Ratio Lower Upper

77 100

97 21.7 10.9 32.6





#27

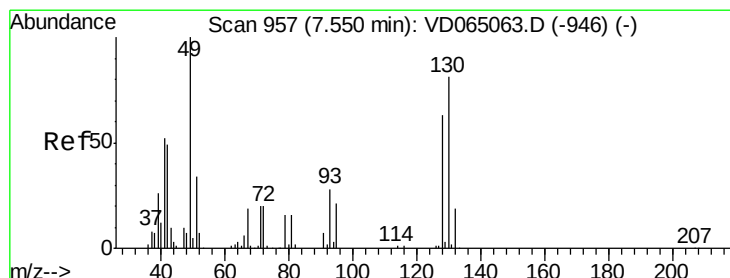
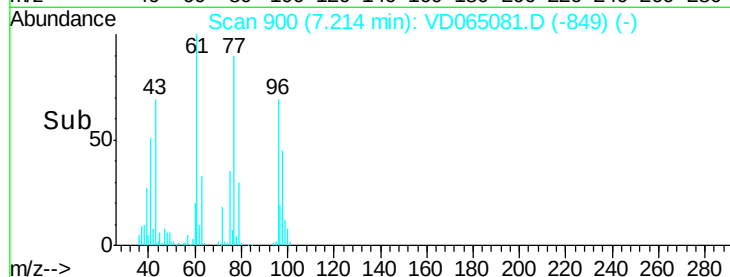
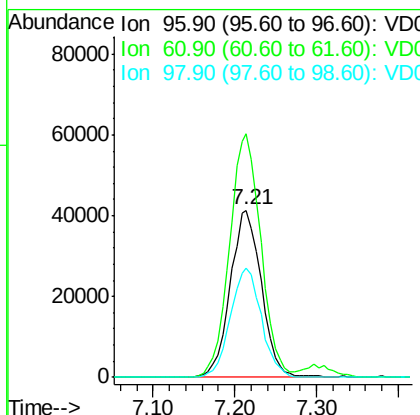
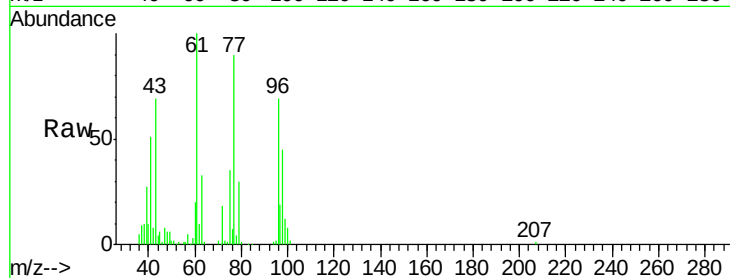
cis-1,2-Dichloroethene
Concen: 22.163 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.3	0.0	292.8	
98	65.1	0.0	128.8	

Manual Integrations
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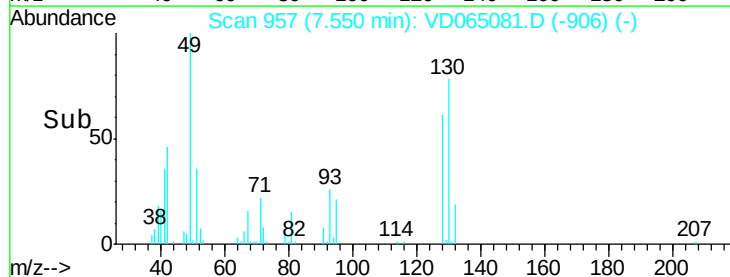
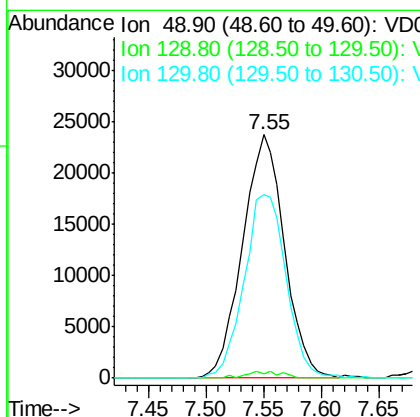
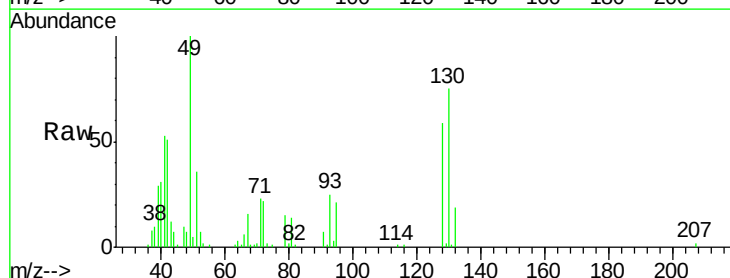
MMDadoda
2/7/2020 12:05:37 PM

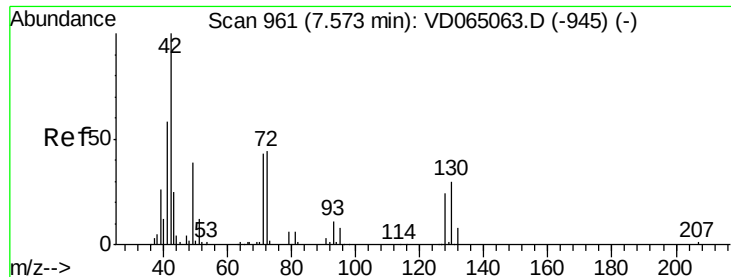


#28

Bromochloromethane
Concen: 20.293 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.4	
130	75.9	63.8	95.8	





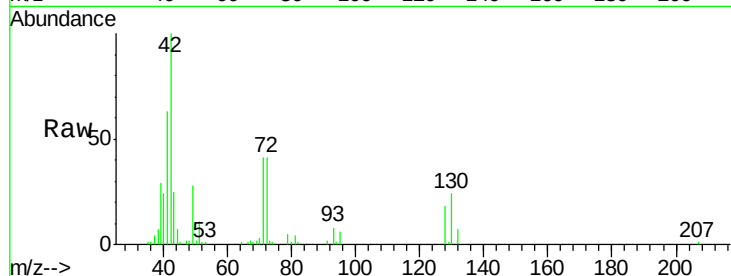
#29
Tetrahydrofuran
Concen: 108.003 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

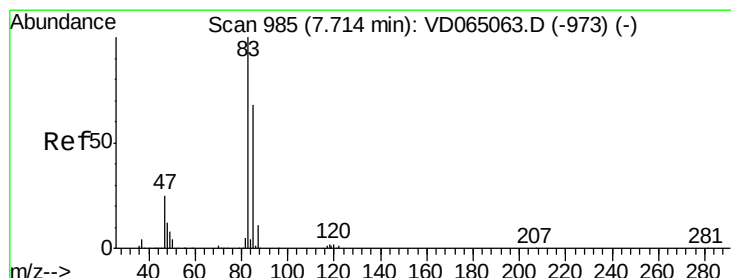
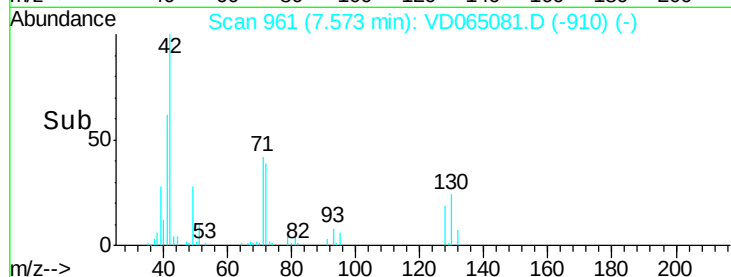
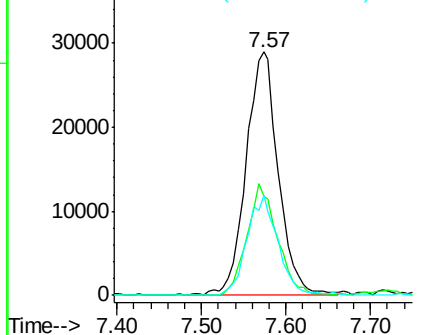
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.2	51.4
71	39.3	31.8	47.6

Manual Integrations
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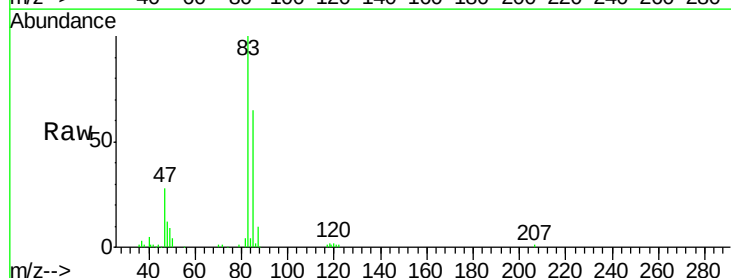


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

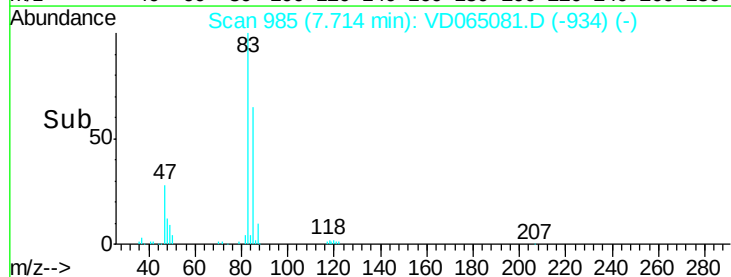
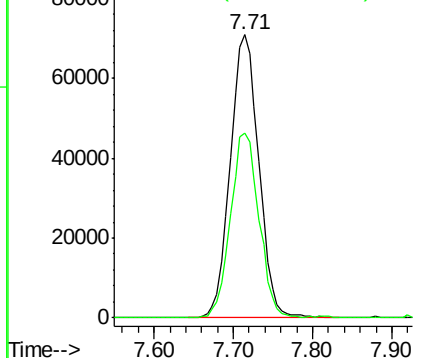


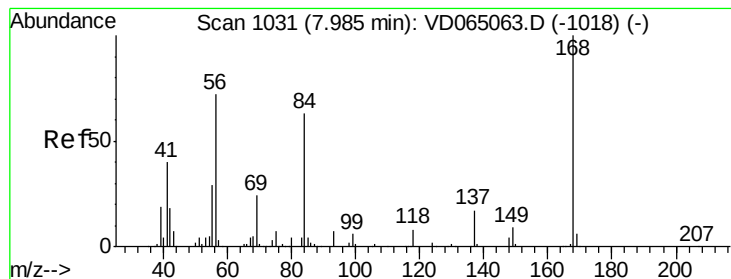
#30
Chloroform
Concen: 22.731 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	54.2	81.4



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





#31

Cyclohexane

Concen: 21.284 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

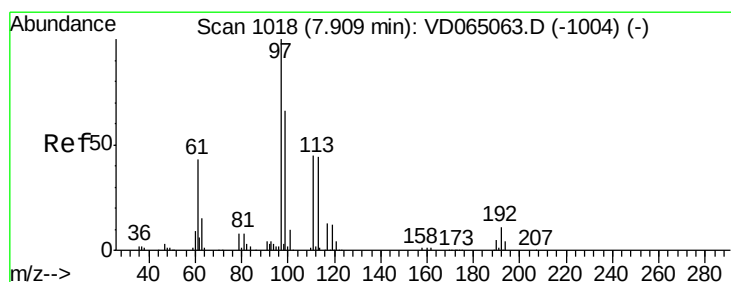
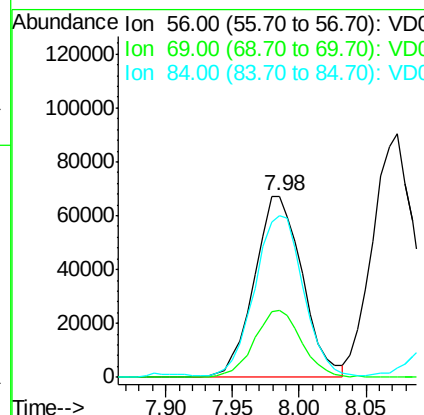
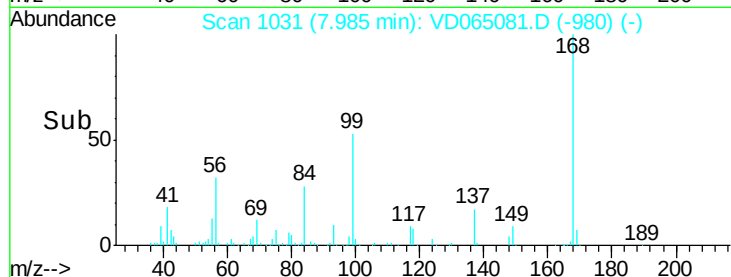
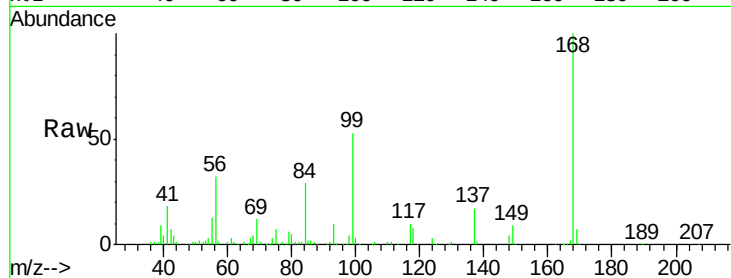
ClientSampleId :

VD0206SBS01

Tot Ion:	56	Resp:	167653
Ion	Ratio	Lower	Upper
56	100		
69	36.8	26.6	40.0
84	87.9	70.6	106.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.299 ug/l

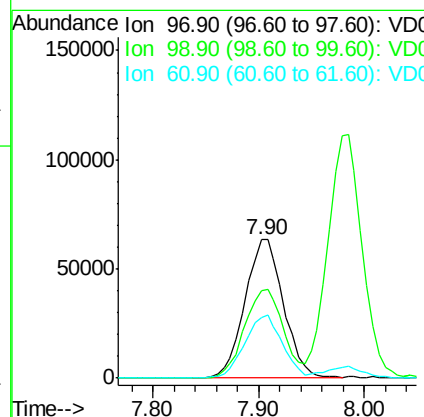
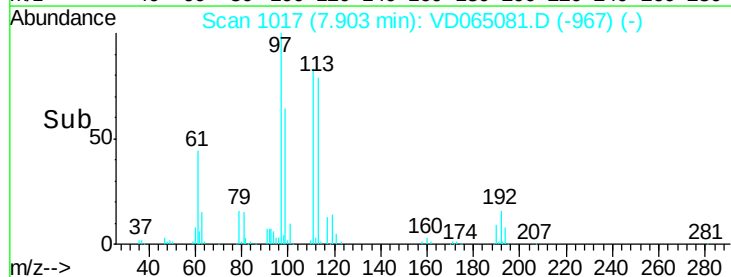
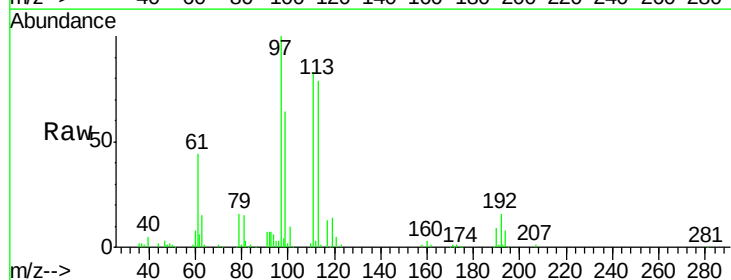
RT: 7.90 min Scan# 1017

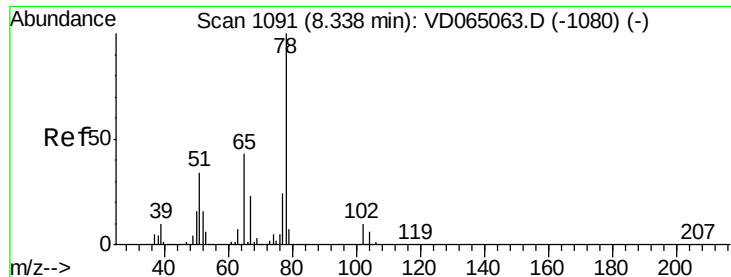
Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Tgt Ion:	97	Resp:	161393
Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.5	77.3
61	44.6	34.8	52.2





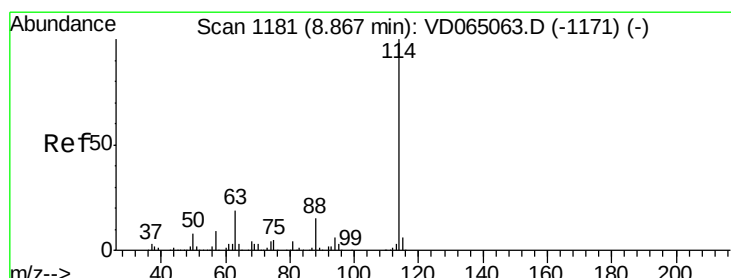
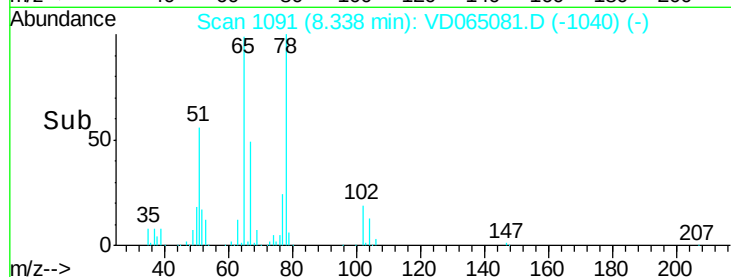
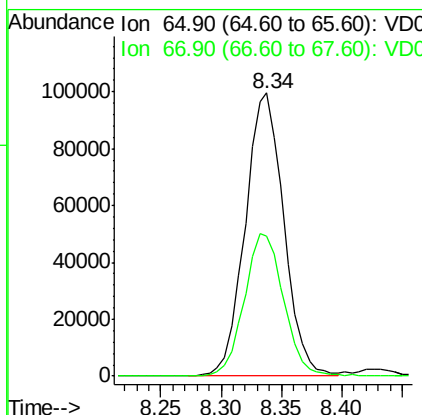
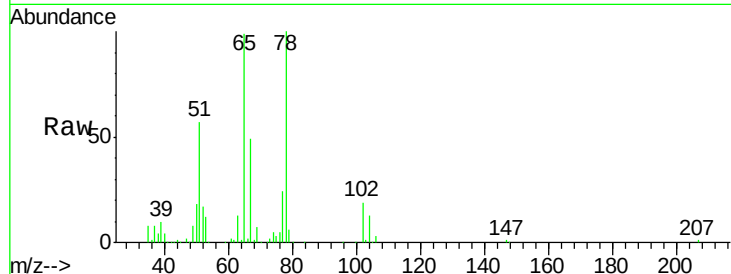
#33
 1,2-Dichloroethane-d4
 Concen: 56.113 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	222187		
67	51.2	0.0	105.8	

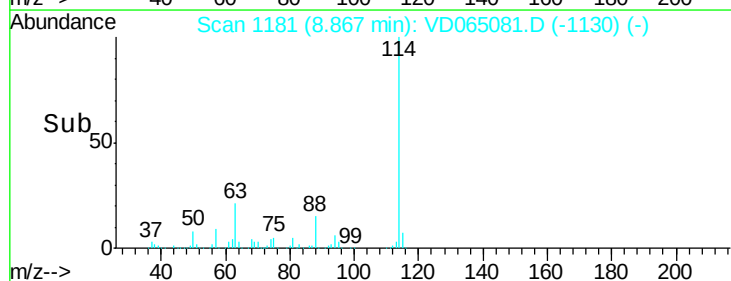
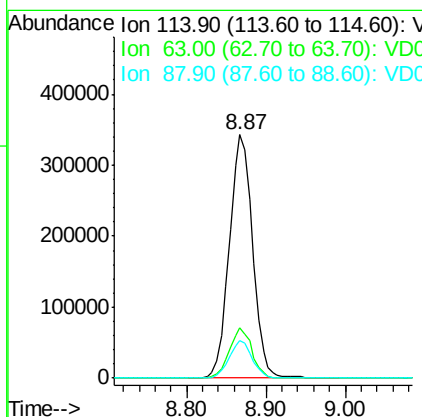
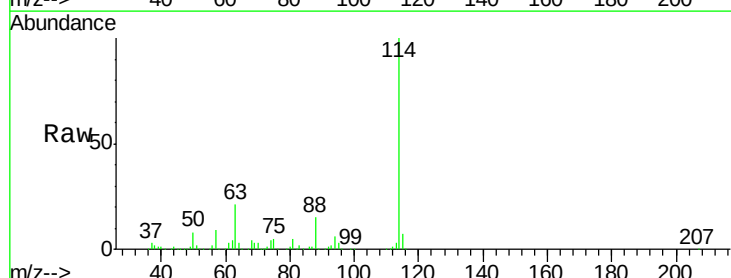
Manual Integrations
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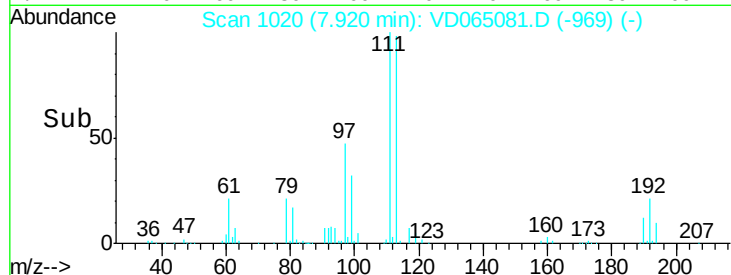
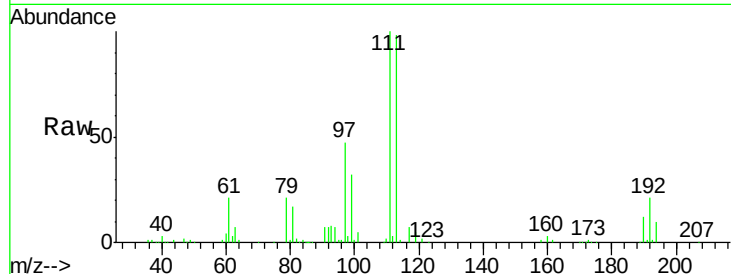
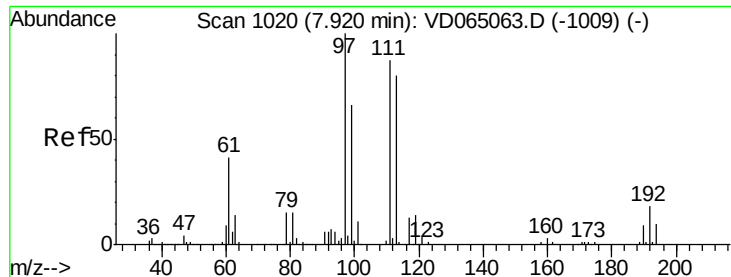
MMDadoda
 2/7/2020 12:05:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	695342		
63	20.9	0.0	38.8	
88	15.2	0.0	29.6	





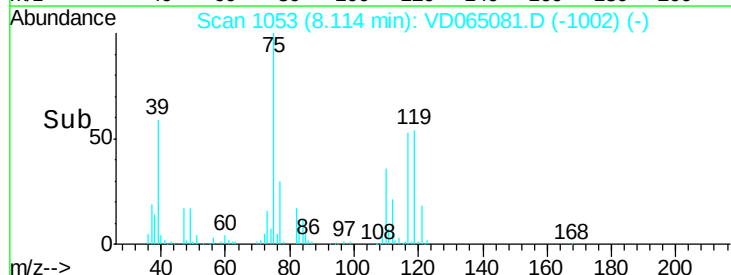
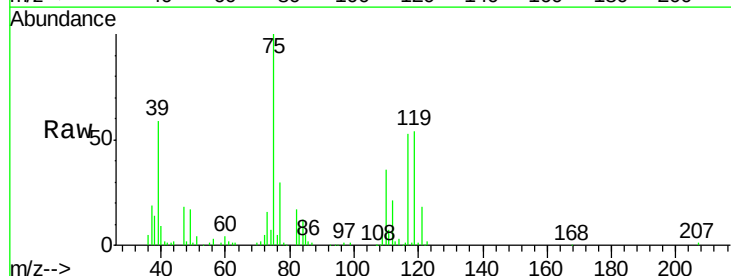
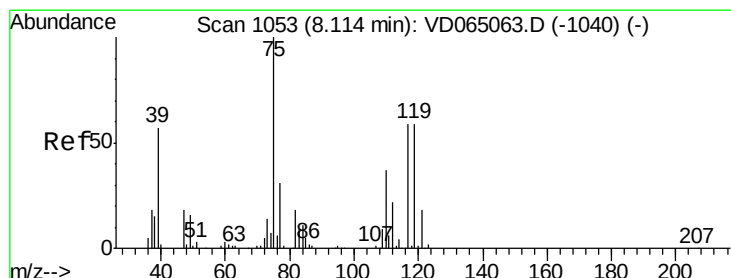
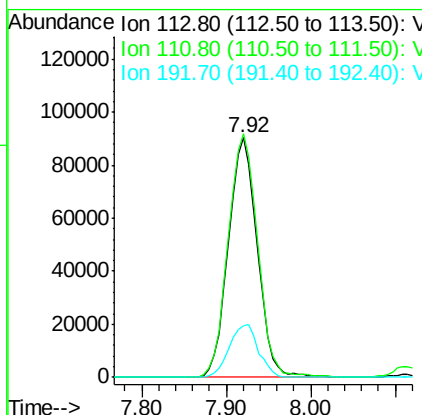
#35
Dibromofluoromethane
Concen: 54.939 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tot Ion	Ratio	Resp	Lower	Upper
113	100	213141		
111	103.6	83.1	124.7	
192	22.3	18.1	27.1	

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBSD01

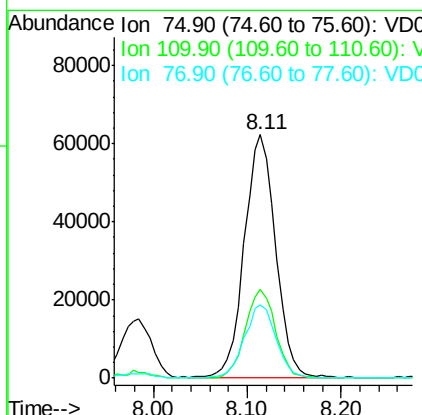
Manual Integrations
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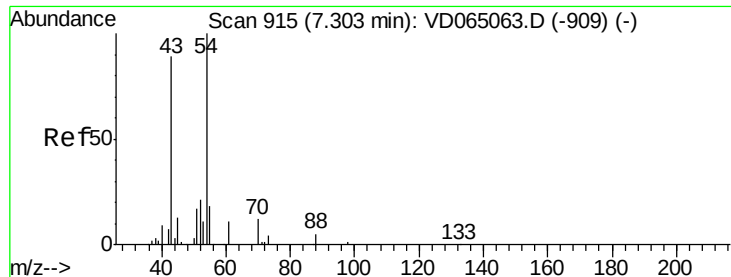
MMDadoda
2/7/2020 12:05:37 PM



#36
1,1-Dichloropropene
Concen: 22.063 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142651		
110	35.6	18.1	54.3	
77	30.8	24.7	37.1	





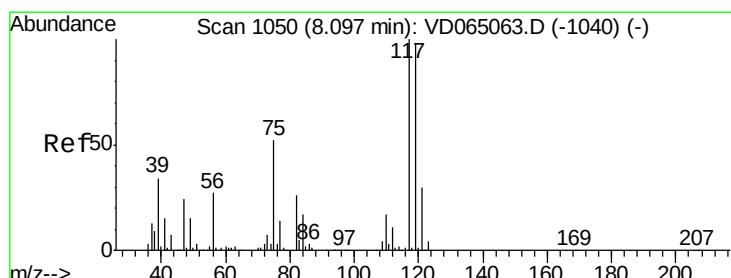
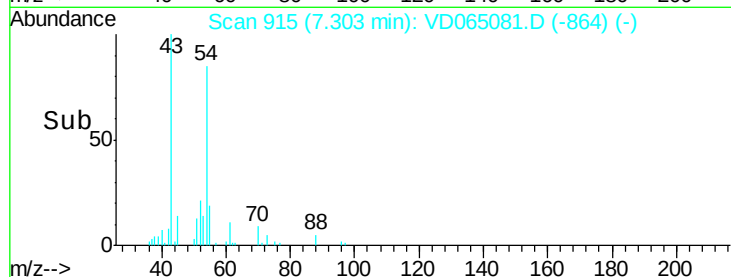
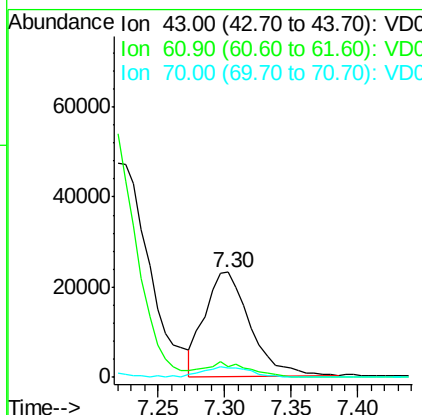
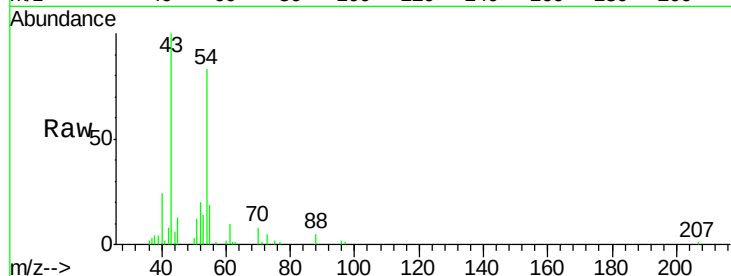
#37
Ethyl Acetate
Concen: 20.567 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.4
70	10.9	8.2	12.2

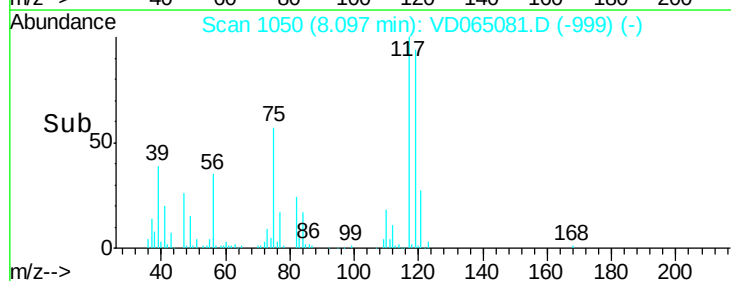
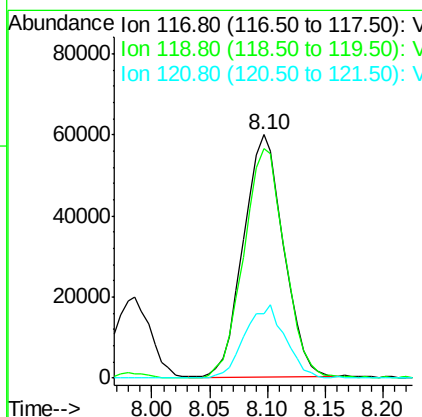
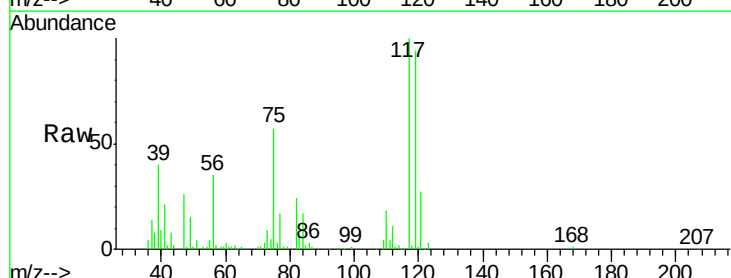
Manual Integrations
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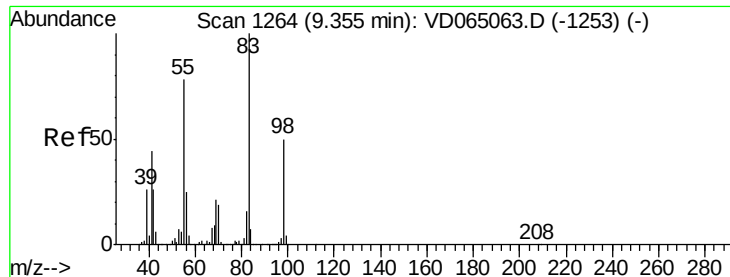
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.991 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.5	117.7
121	26.8	23.8	35.6





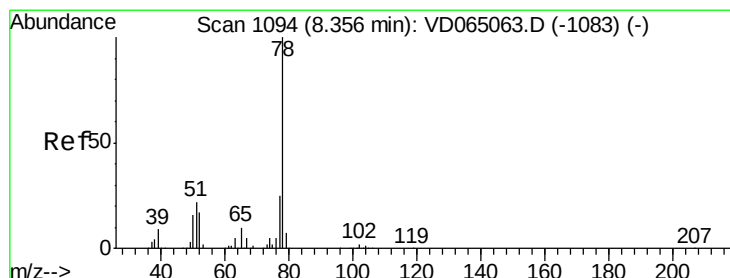
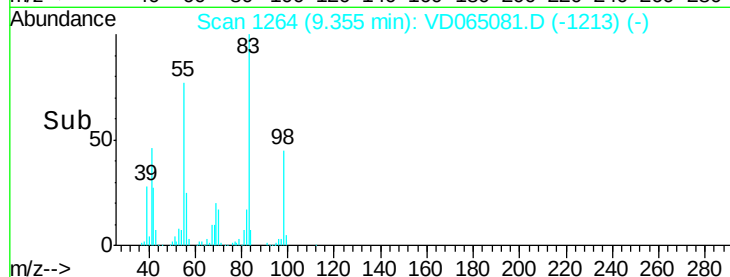
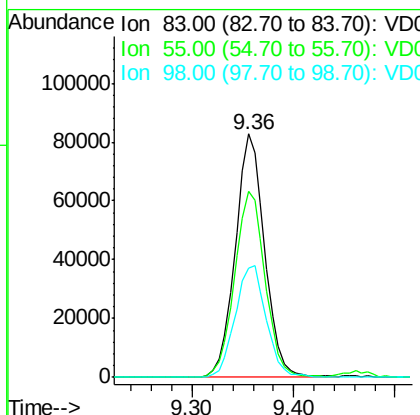
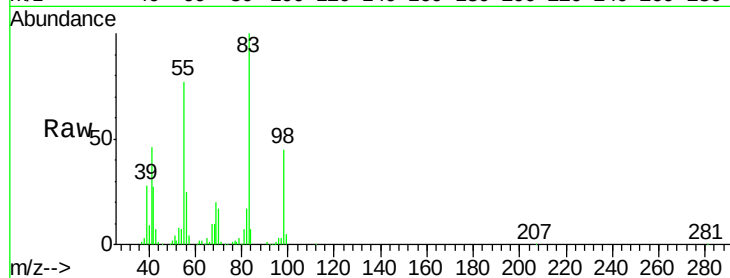
#39
Methylvlcyclohexane
Concen: 20.778 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	62.0	93.0
98	44.9	39.9	59.9

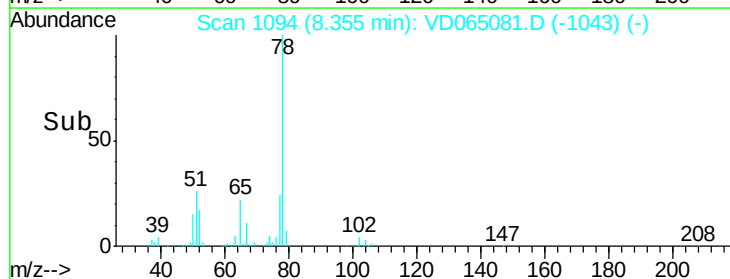
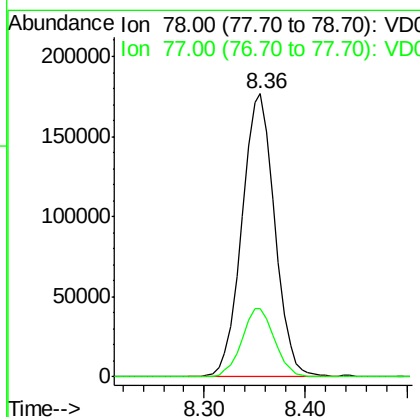
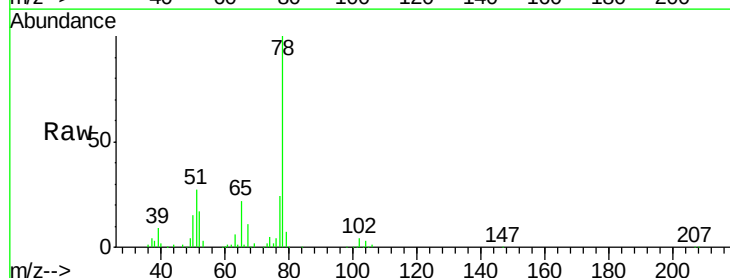
Manual Integrations
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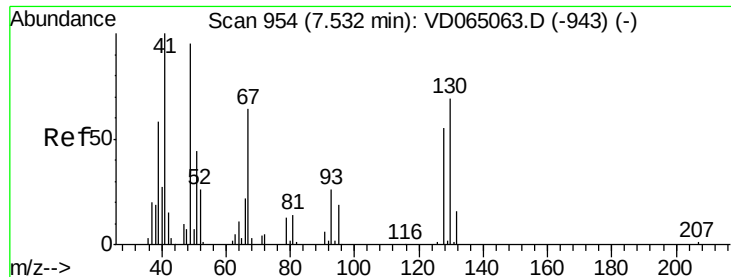
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#40
Benzene
Concen: 22.168 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.6	29.4





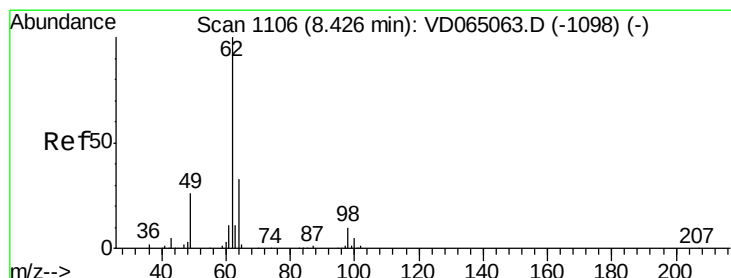
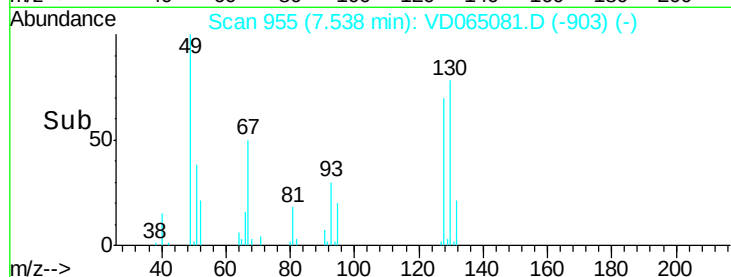
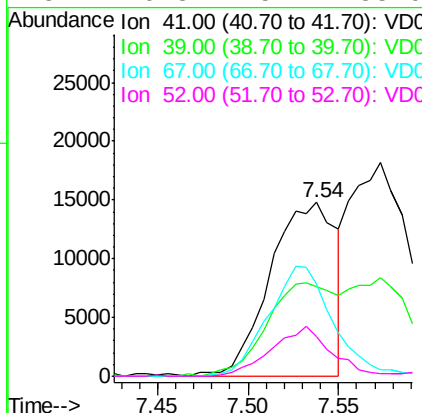
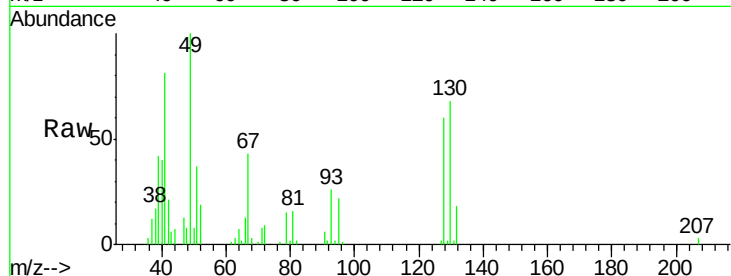
#41
Methacrylonitrile
Concen: 25.712 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	41	Resp	37417
Ion	Ratio	Lower	Upper
41	100		
39	56.2	55.4	83.0
67	62.6	59.0	88.6
52	26.3	25.4	38.0

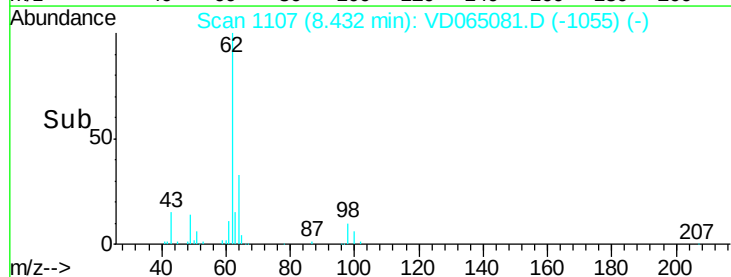
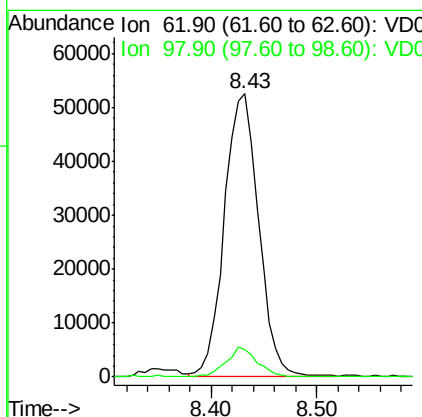
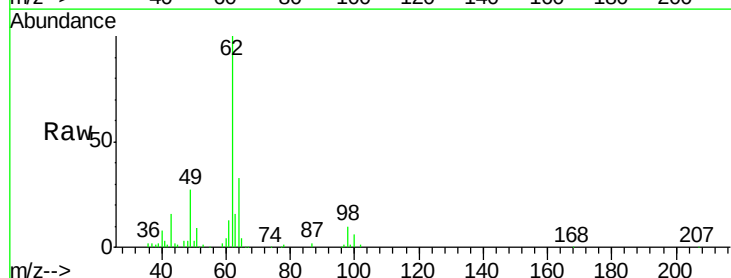
Manual Integrations
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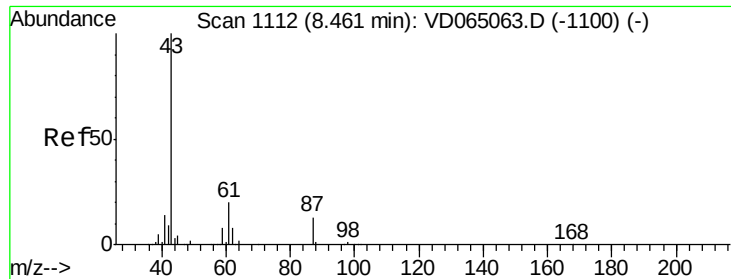
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2/7/2020 12:05:37 PM



#42
1,2-Dichloroethane
Concen: 23.118 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	62	Resp	117610
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 21.305 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

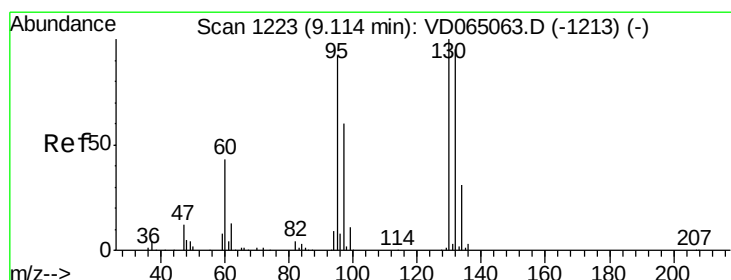
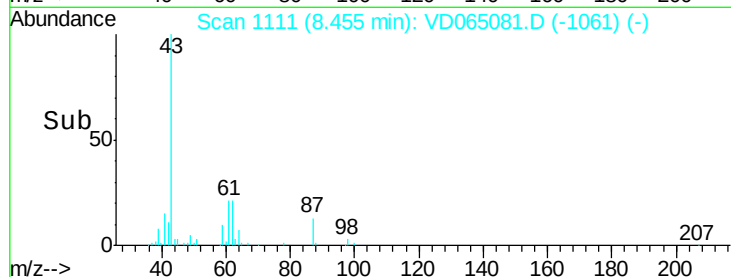
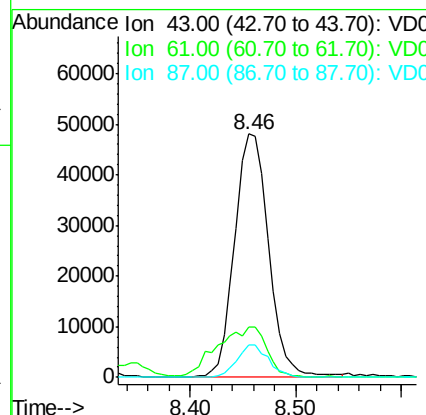
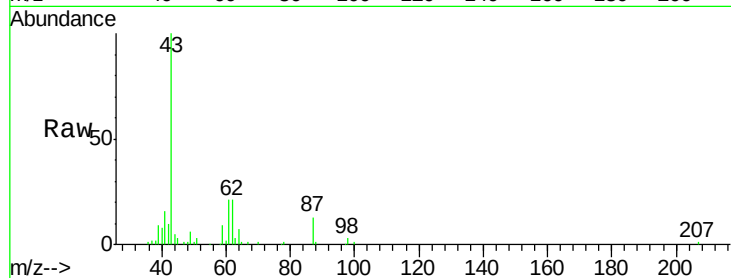
ClientSampleId :

VD0206SBS01

Tot Ion:	43	Resp:	107652
Ion	Ratio	Lower	Upper
43	100		
61	30.1	24.0	36.0
87	12.2	10.2	15.4

Manual Integrations
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MMDadoda
2/7/2020 12:05:37 PM



#44

Trichloroethene

Concen: 21.472 ug/l

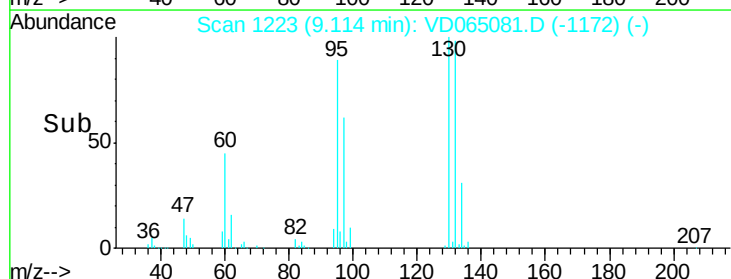
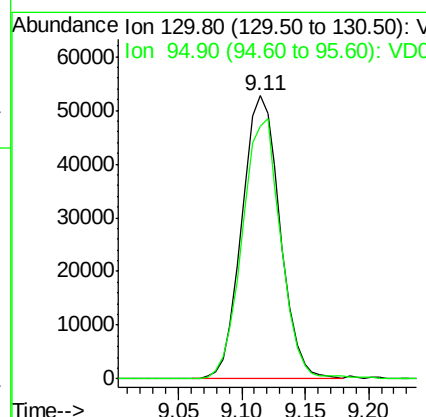
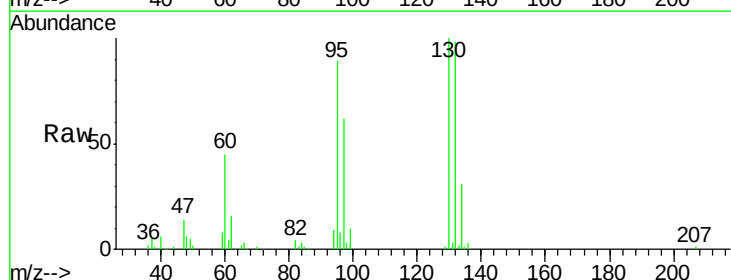
RT: 9.11 min Scan# 1223

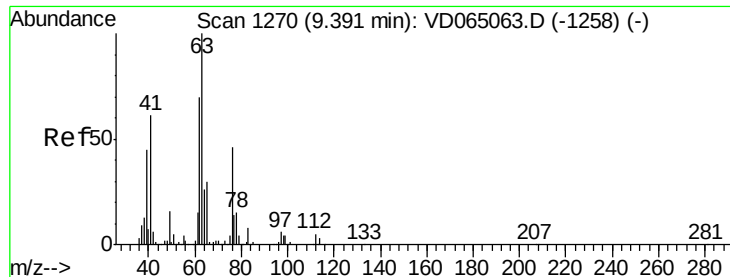
Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Tgt Ion:	130	Resp:	110041
Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	185.0





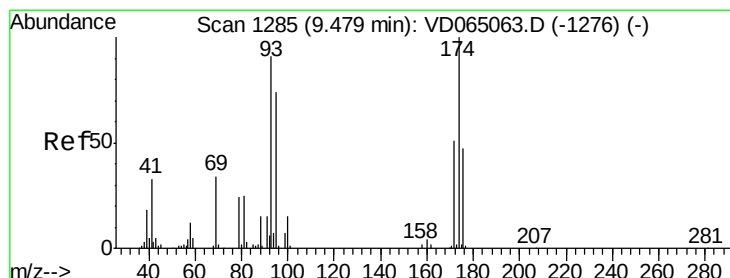
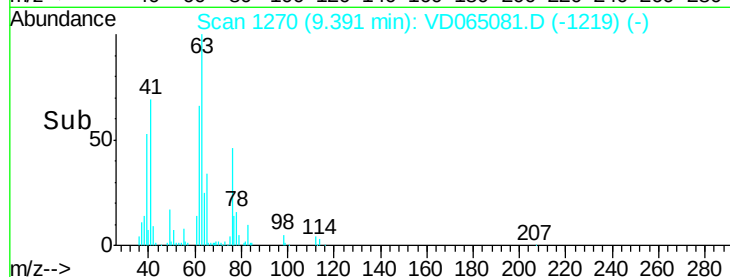
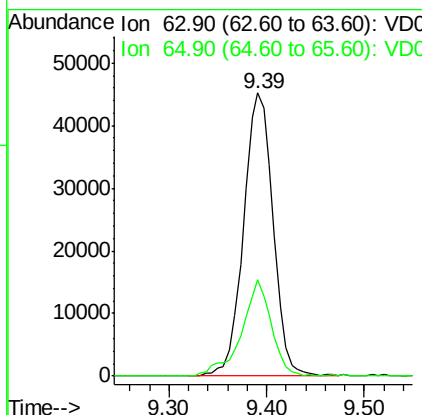
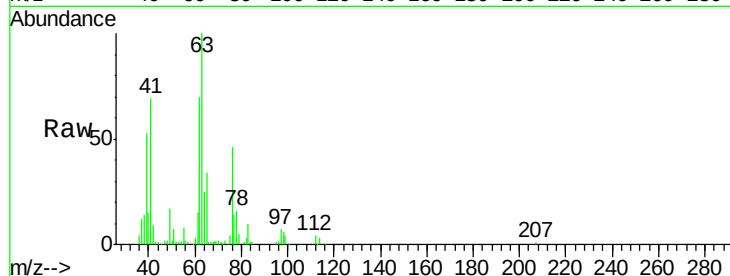
#45
 1,2-Dichloropropane
 Concen: 22.408 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.0	23.9	35.9

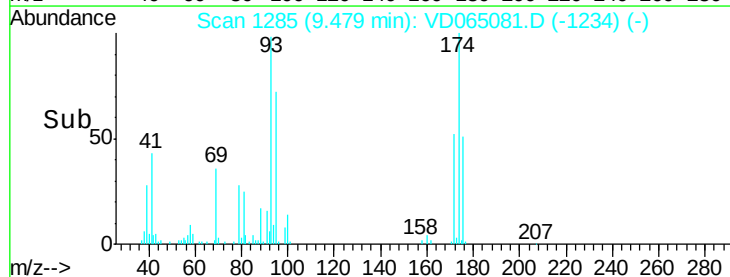
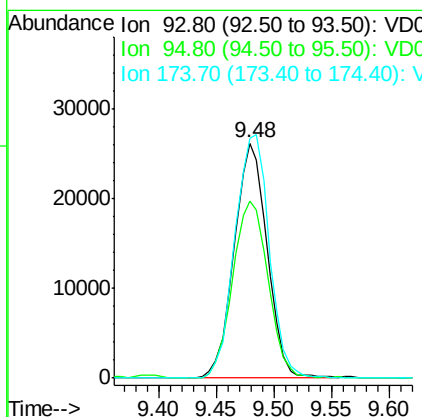
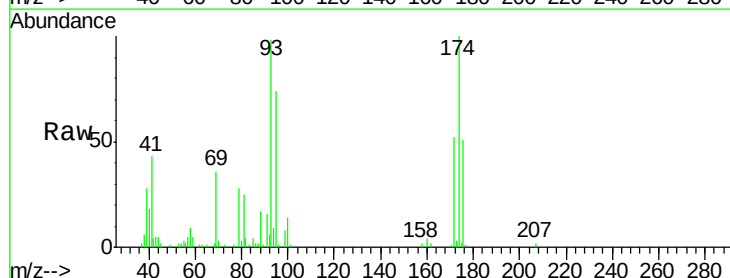
Manual Integrations
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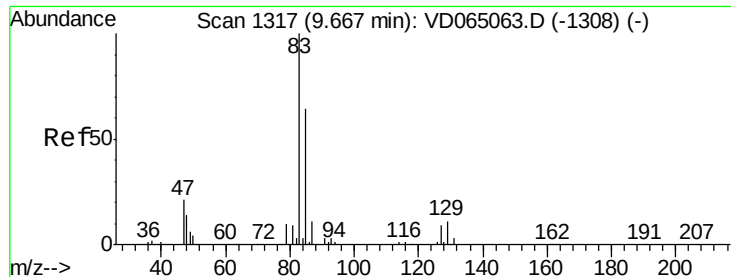
MMDadoda
 2/7/2020 12:05:37 PM



#46
 Dibromomethane
 Concen: 23.078 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.7	66.5	99.7
174	108.2	89.8	134.8





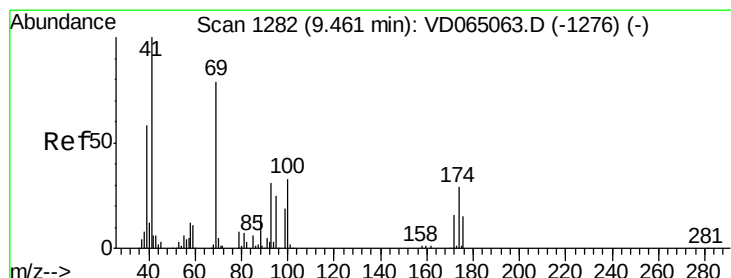
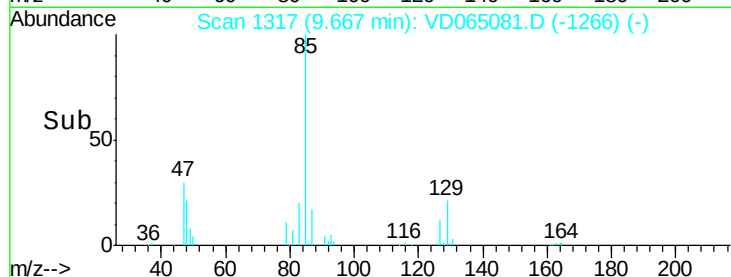
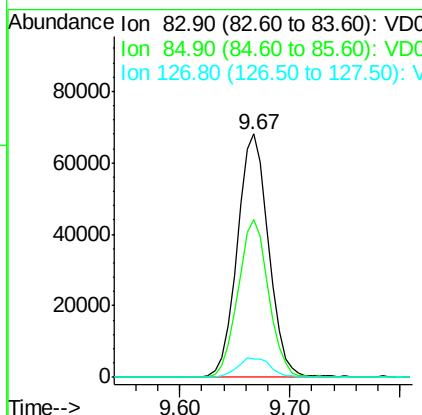
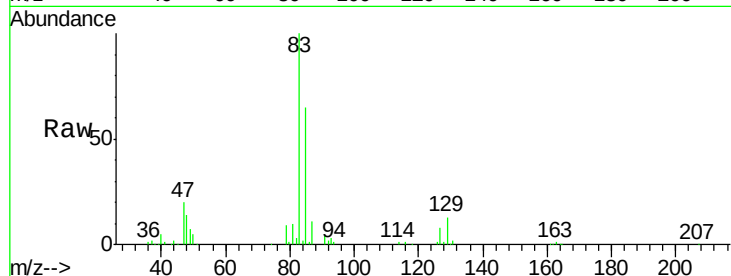
#47
Bromodichloromethane
Concen: 22.870 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	13555		
85	65.0	51.0	76.6	
127	7.7	7.3	10.9	

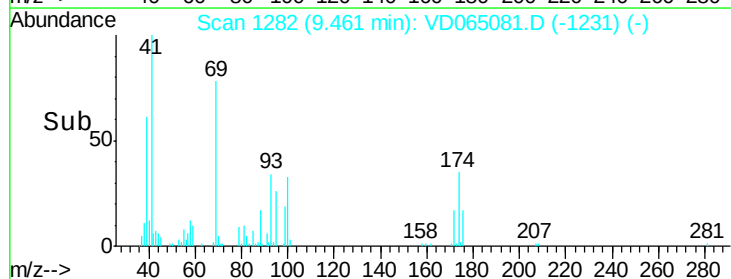
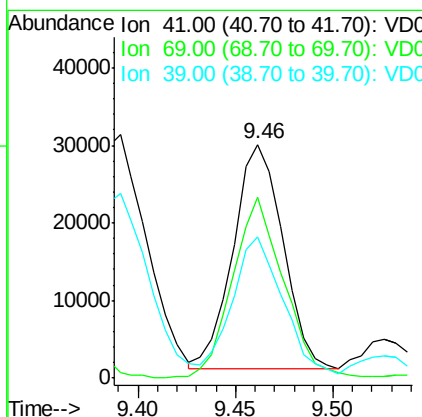
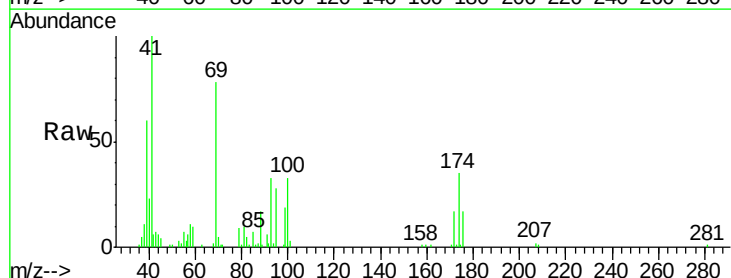
Manual Integrations
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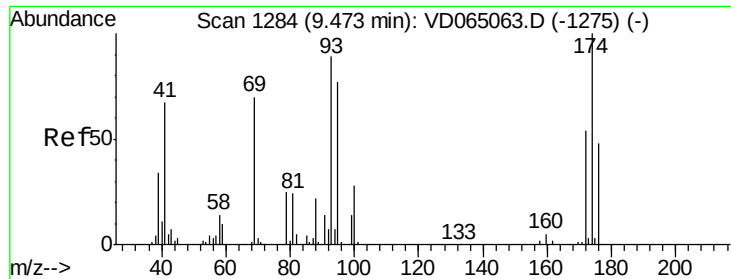
MMDadoda
2/7/2020 12:05:37 PM



#48
Methyl methacrylate
Concen: 21.099 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	51302		
69	82.8	67.5	101.3	
39	65.2	47.0	70.4	





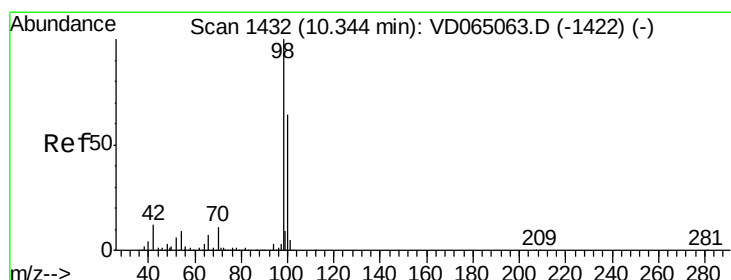
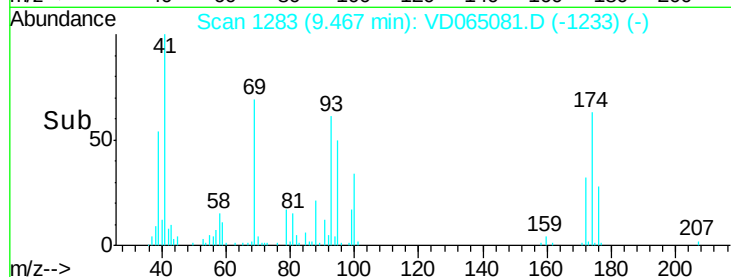
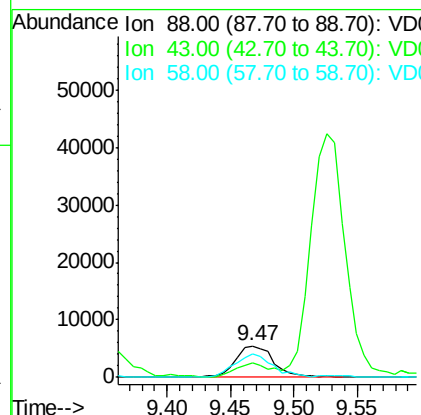
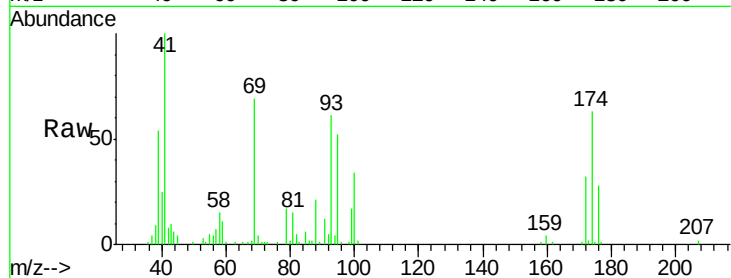
#49
1,4-Dioxane
Concen: 426.670 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	88	Resp	11368
Ion Ratio	Lower	Upper	
88	100		
43	44.4	27.7	41.5#
58	74.2	55.5	83.3

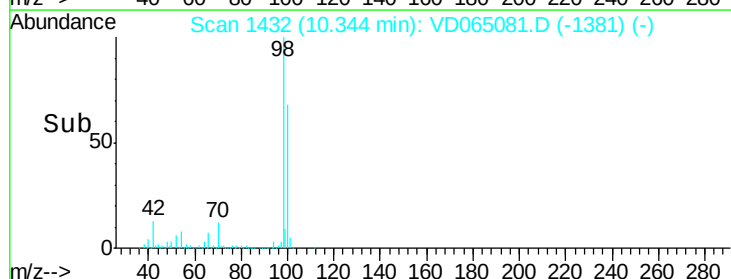
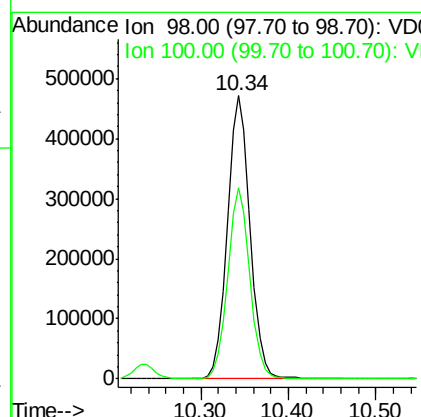
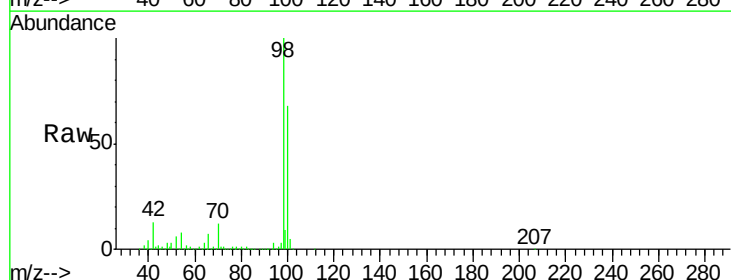
Manual Integrations
APPROVED

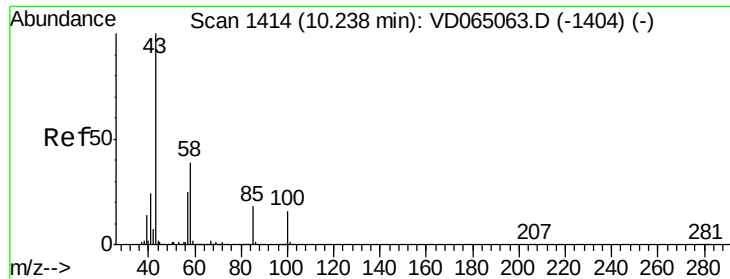
MMDadoda
2/7/2020 12:05:37 PM



#50
Toluene-d8
Concen: 54.360 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	98	Resp	839420
Ion Ratio	Lower	Upper	
98	100		
100	66.5	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 109.518 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion: 43 Resp: 272385

Ion Ratio Lower Upper

43 100

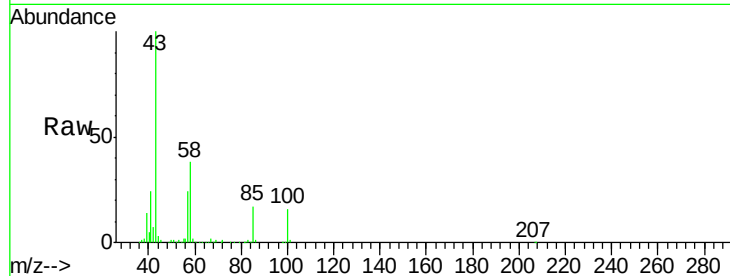
58 37.1 30.2 45.2

Manual Integrations

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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

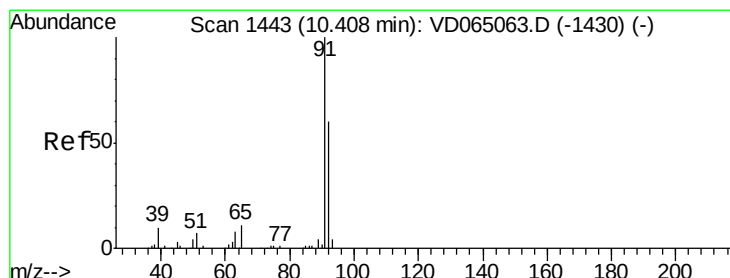
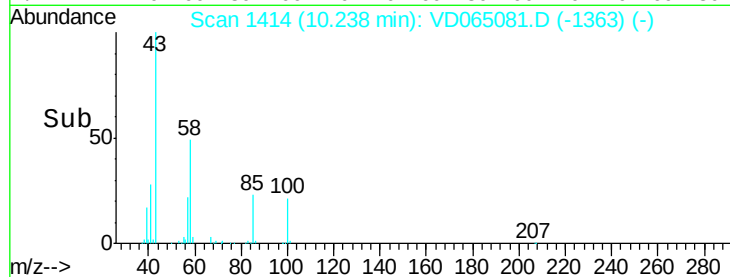
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.222 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065081.D

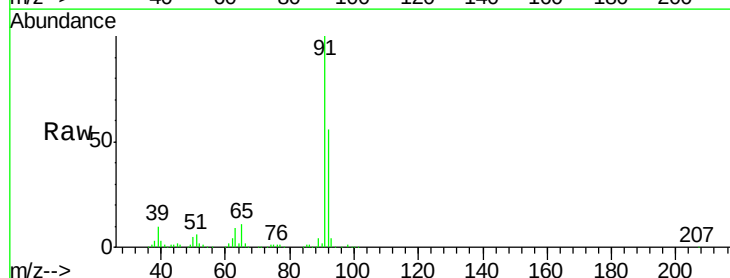
Acq: 06 Feb 2020 12:33

Tgt Ion: 92 Resp: 253228

Ion Ratio Lower Upper

92 100

91 174.0 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

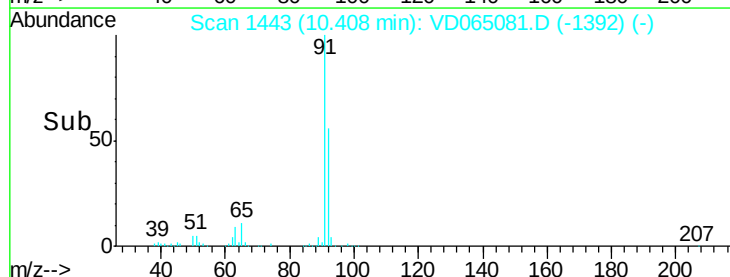
150000

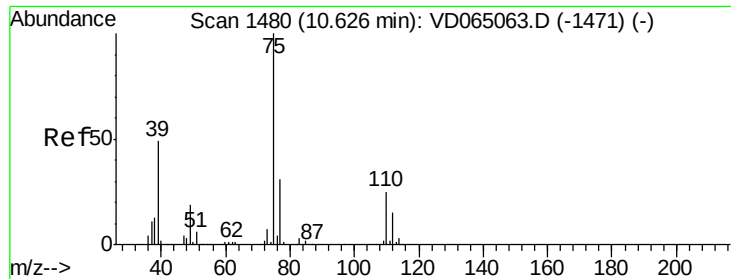
100000

50000

0

Time-->





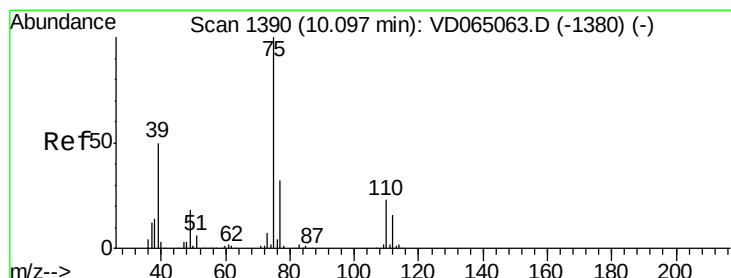
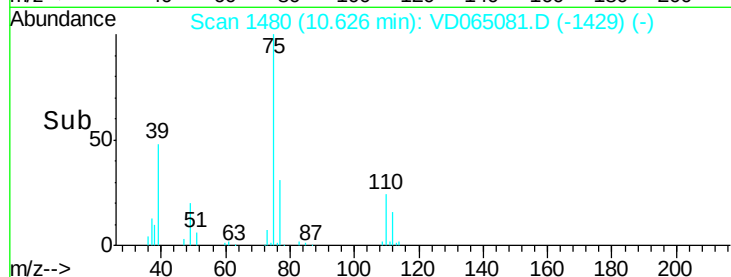
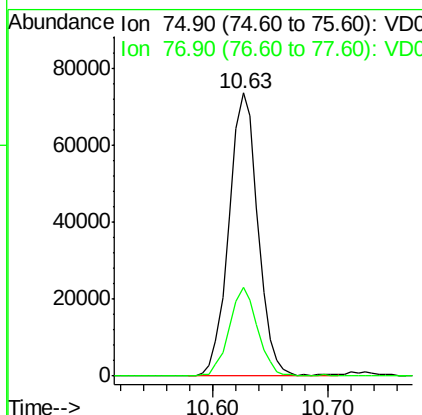
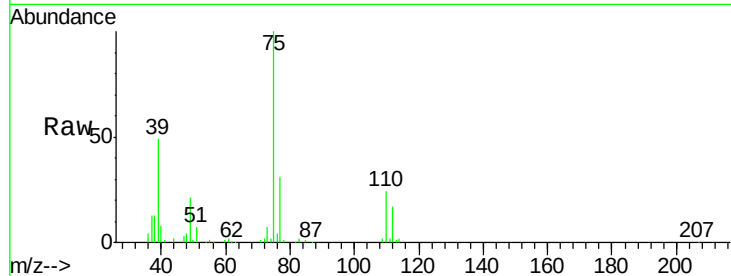
#53
t-1,3-Dichloropropene
Concen: 22.332 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.9	37.3

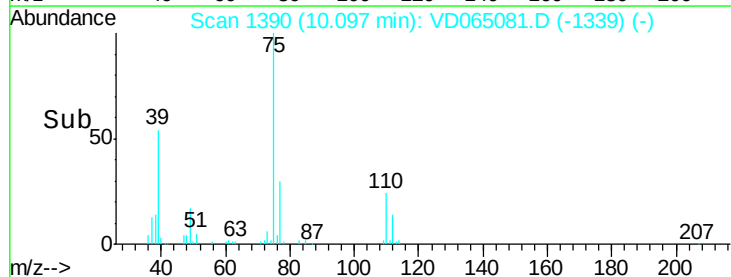
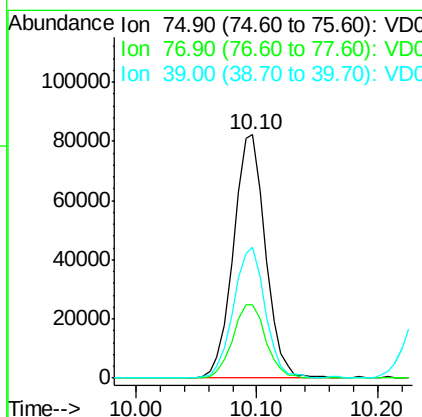
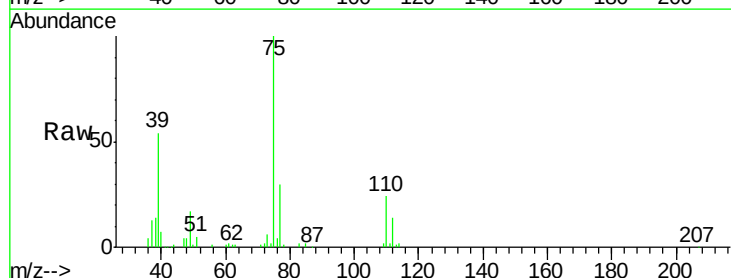
Manual Integrations
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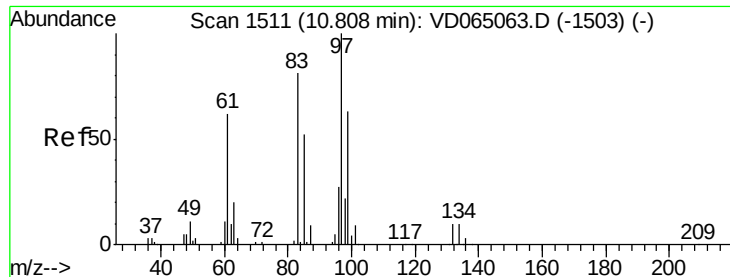
MMDadoda
2/7/2020 12:05:37 PM



#54
cis-1,3-Dichloropropene
Concen: 22.076 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.3	37.9
39	53.7	40.3	60.5





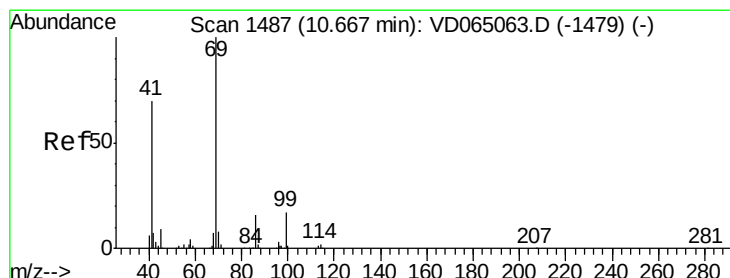
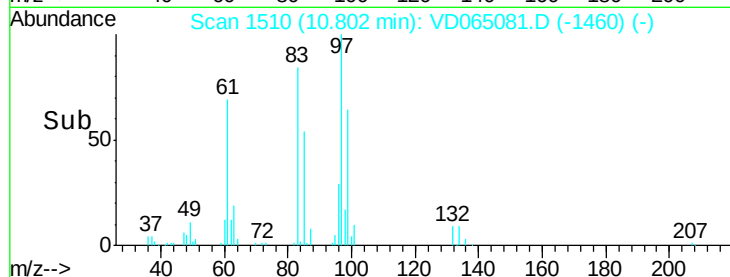
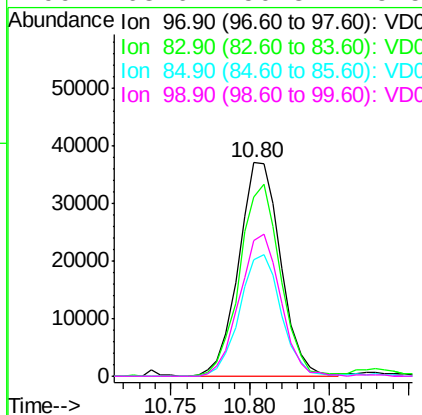
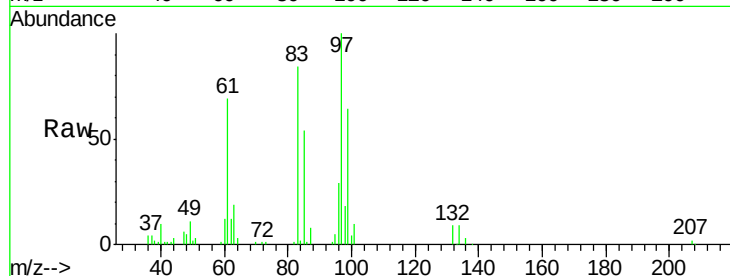
#55
 1,1,2-Trichloroethane
 Concen: 22.096 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Tot Ion:	97	Resp:	68176
Ion	Ratio	Lower	Upper
97	100		
83	83.8	64.8	97.2
85	54.4	41.2	61.8
99	63.6	50.3	75.5

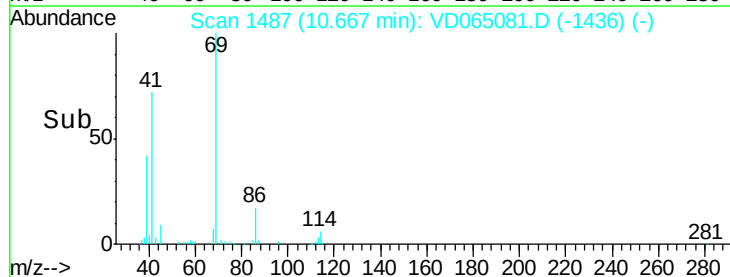
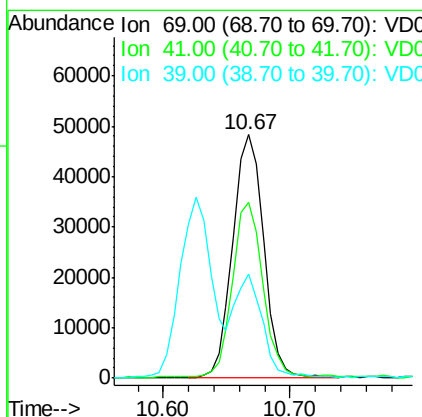
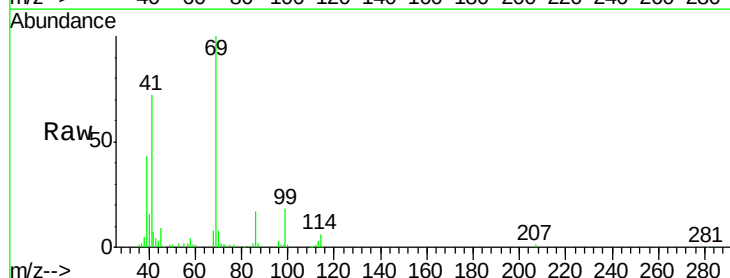
Manual Integrations
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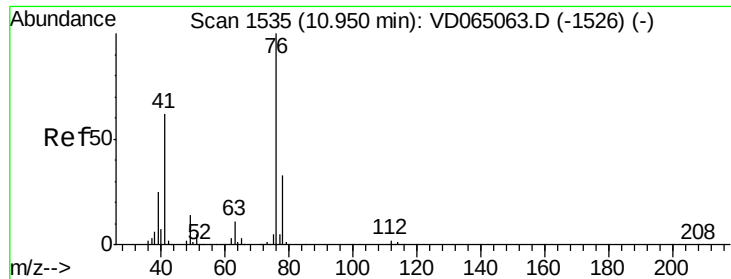
MMDadoda
 2/7/2020 12:05:37 PM



#56
 Ethyl methacrylate
 Concen: 21.040 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion:	69	Resp:	82142
Ion	Ratio	Lower	Upper
69	100		
41	72.1	55.9	83.9
39	37.5	29.4	44.0





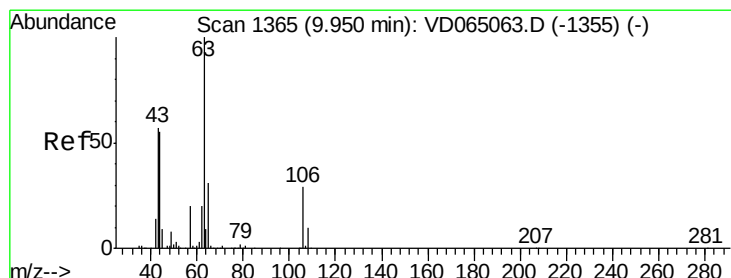
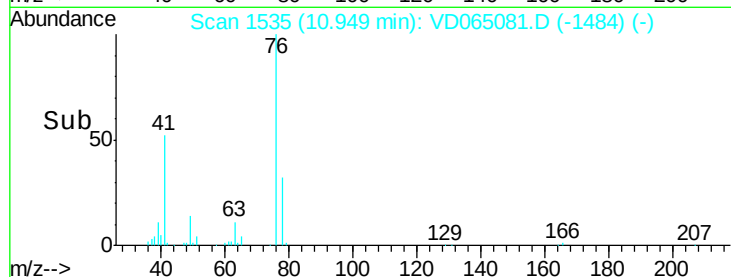
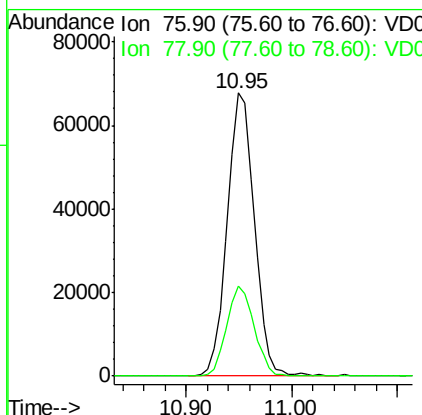
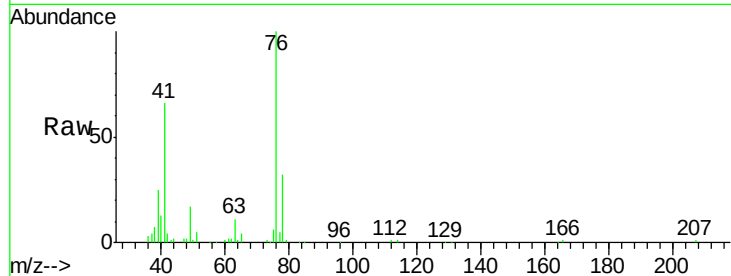
#57
 1,3-Dichloropropane
 Concen: 22.212 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

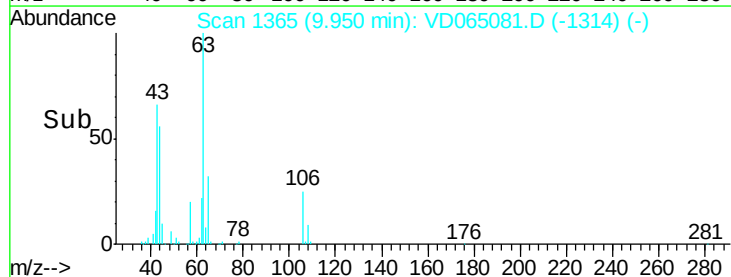
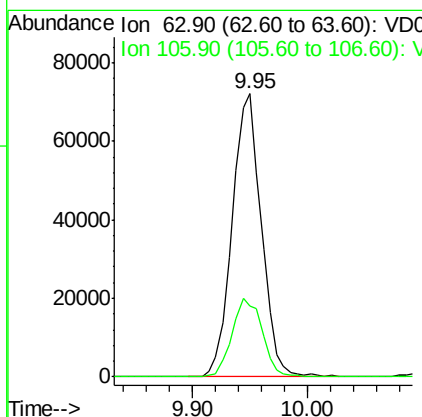
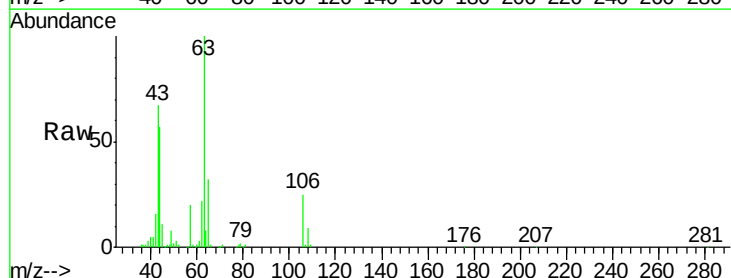
Manual Integrations
 APPROVED

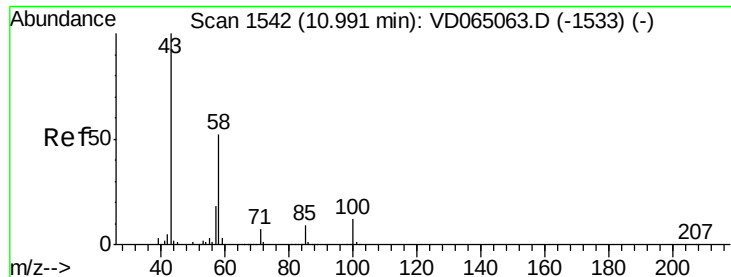
MMDadoda
 2/7/2020 12:05:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.837 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.3	34.9





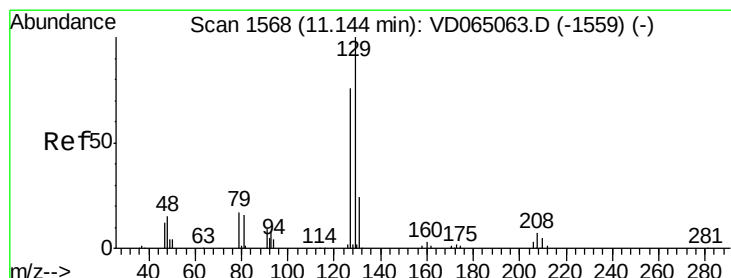
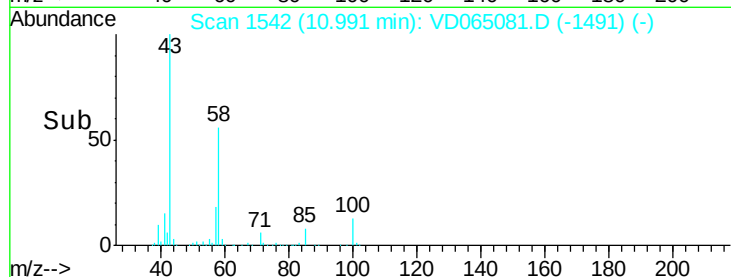
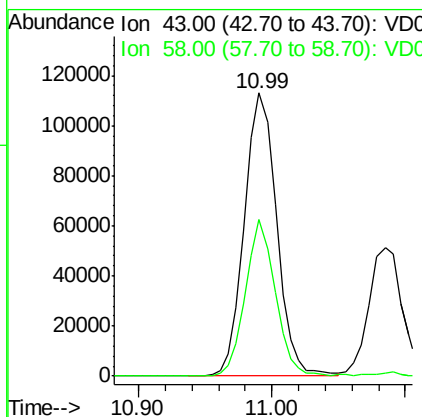
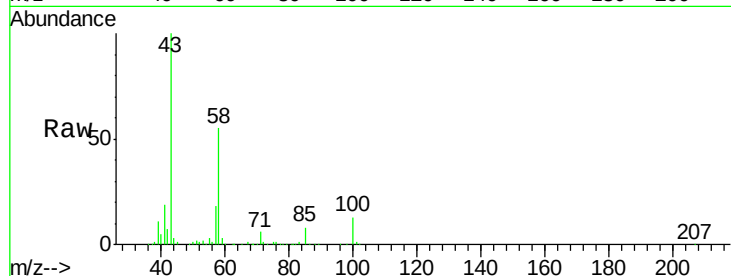
#59
2-Hexanone
Concen: 107.749 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion: 43 Resp: 189820
Ion Ratio Lower Upper
43 100
58 50.8 26.2 78.6

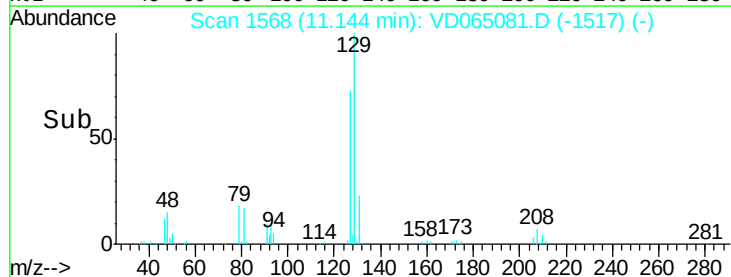
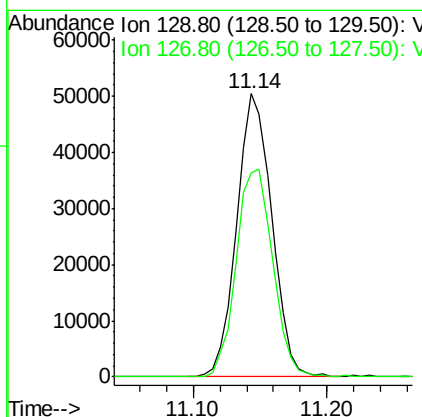
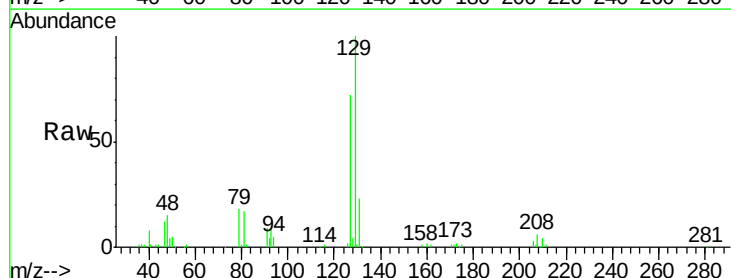
Manual Integrations
APPROVED

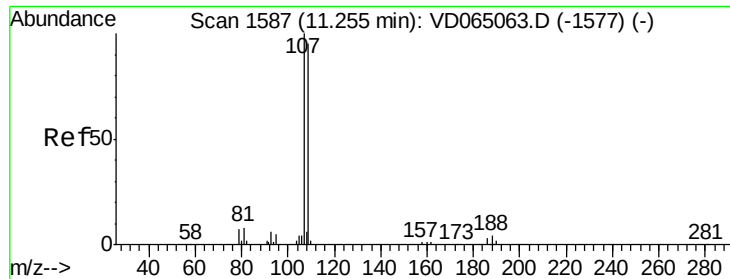
MMDadoda
2/7/2020 12:05:37 PM



#60
Dibromochloromethane
Concen: 22.990 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion: 129 Resp: 91881
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.9





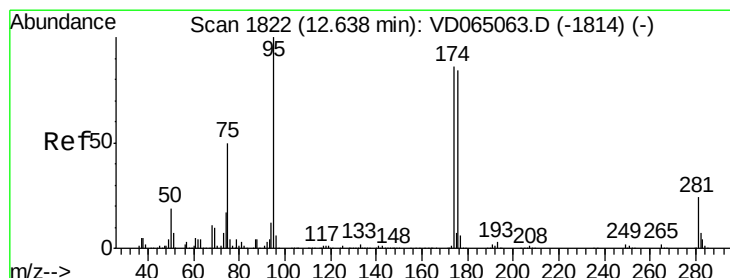
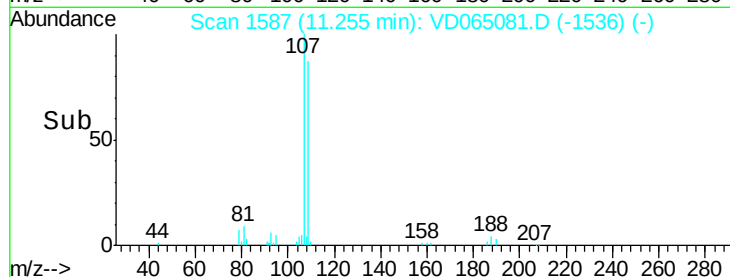
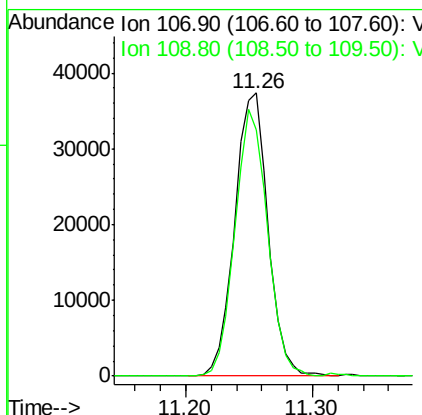
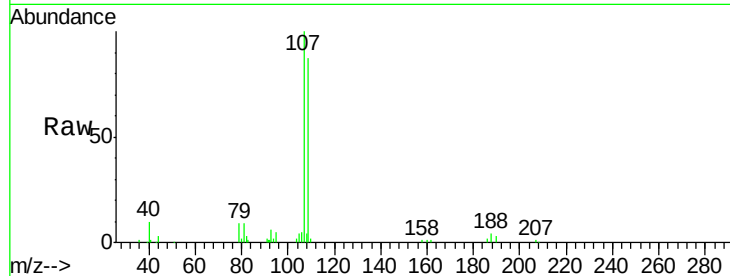
#61
 1,2-Dibromoethane
 Concen: 22.540 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.9	75.5	113.3

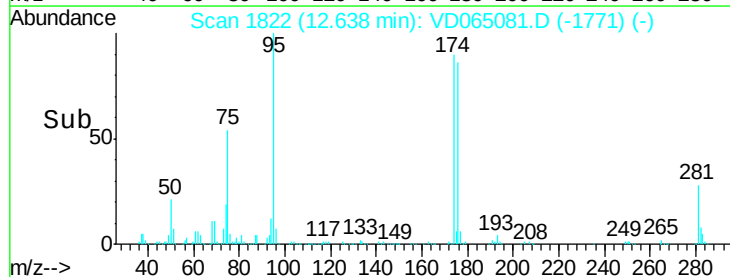
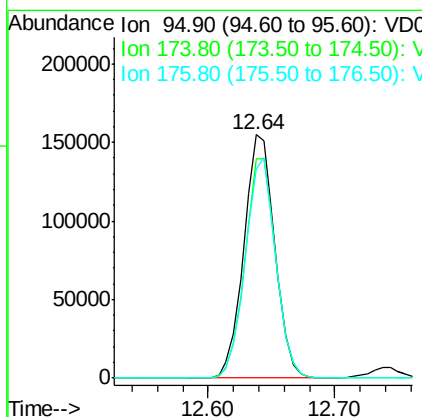
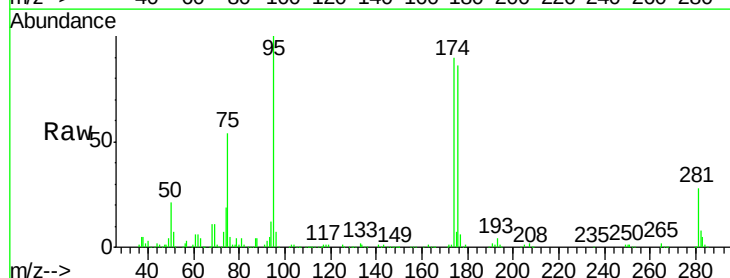
Manual Integrations
 APPROVED

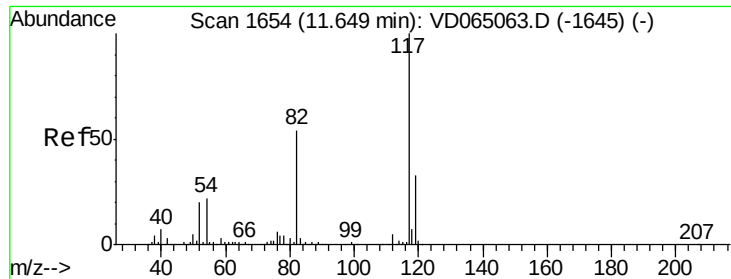
MMDadoda
 2/7/2020 12:05:37 PM



#62
 4-Bromofluorobenzene
 Concen: 53.539 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	0.0	180.0
176	88.9	0.0	173.2





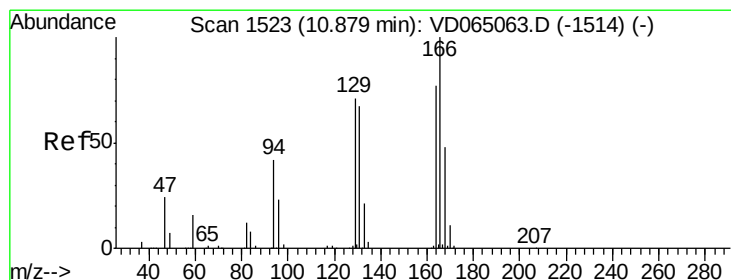
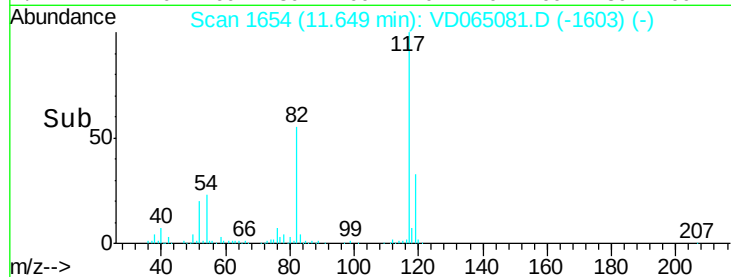
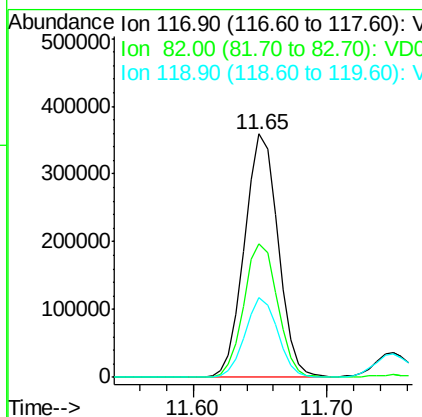
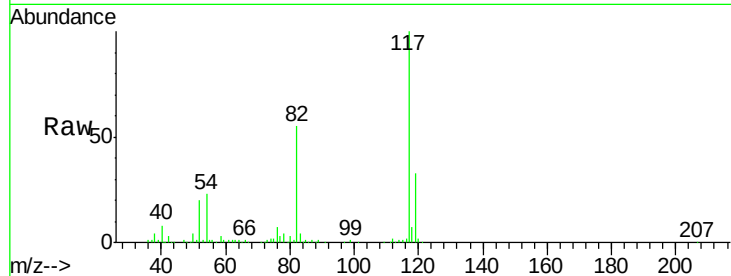
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	625628		
82	55.1	43.1	64.7	
119	32.6	26.0	39.0	

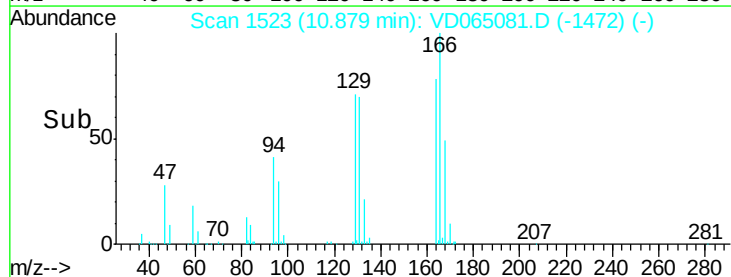
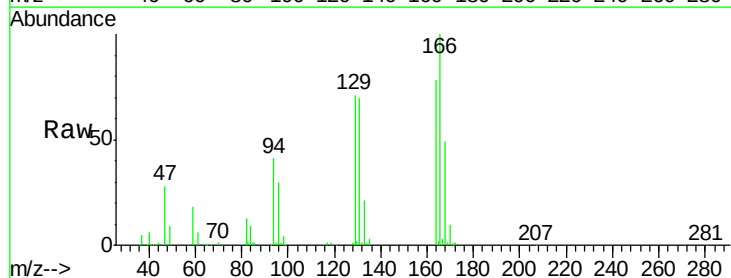
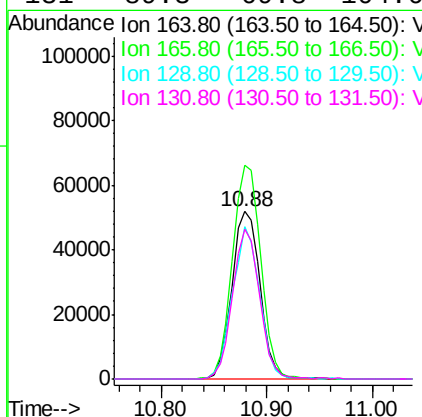
Manual Integrations
APPROVED

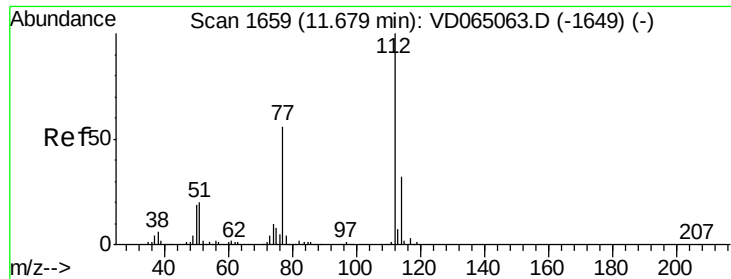
MMDadoda
2/7/2020 12:05:37 PM



#64
Tetrachloroethene
Concen: 21.130 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94989		
166	127.5	103.5	155.3	
129	90.8	73.3	109.9	
131	89.3	69.8	104.6	





#65

Chlorobenzene

Concen: 22.077 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS001

Tot Ion:112 Resp: 267146

Ion Ratio Lower Upper

112 100

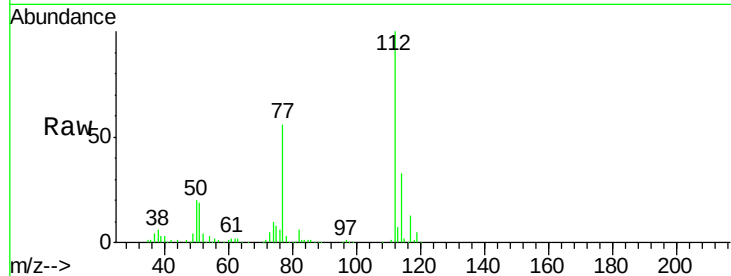
114 33.4 25.4 38.0

Manual Integrations

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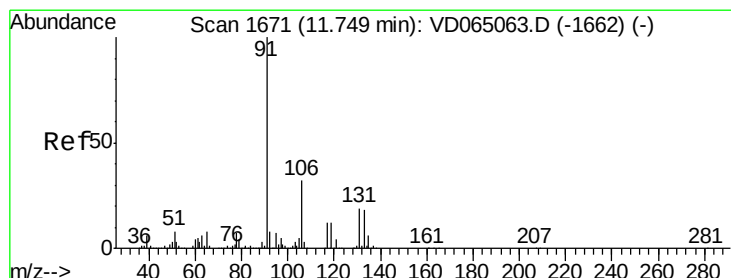
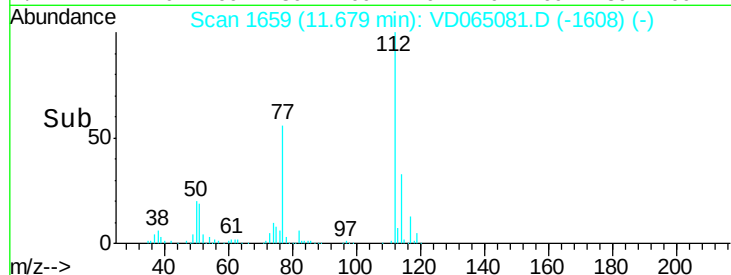
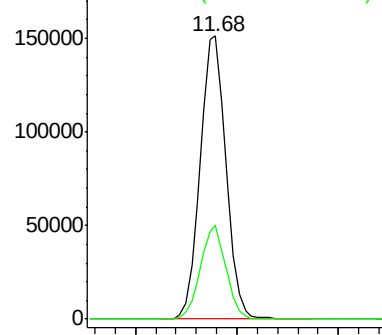
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.056 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

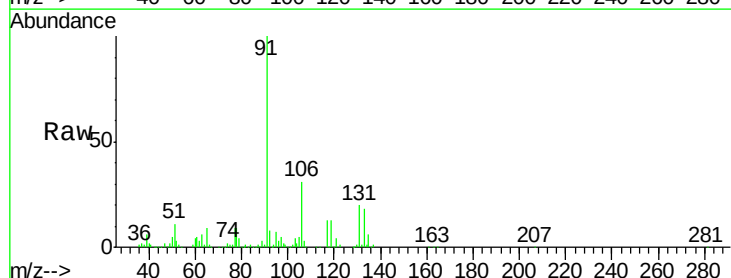
Tgt Ion:131 Resp: 98506

Ion Ratio Lower Upper

131 100

133 94.6 47.7 143.1

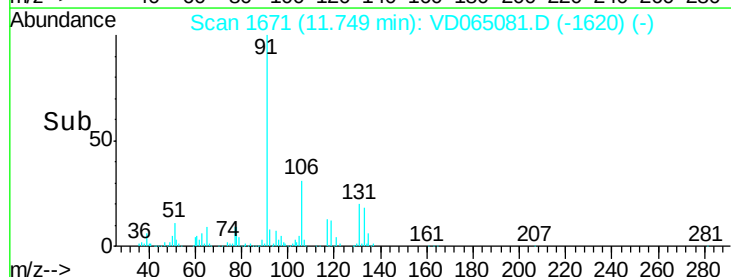
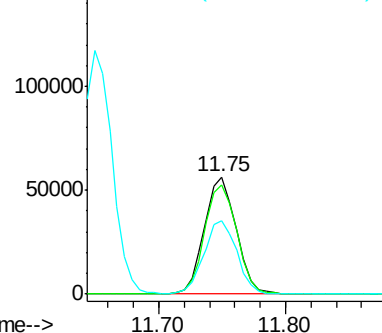
119 64.7 31.3 93.8

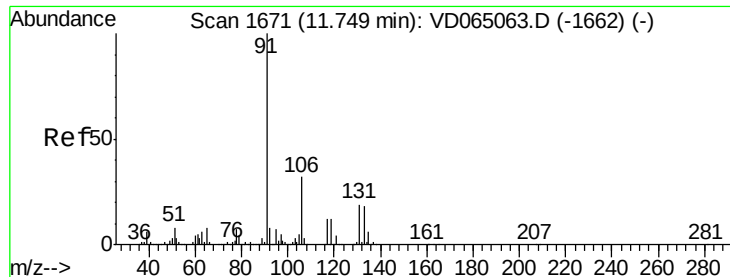


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





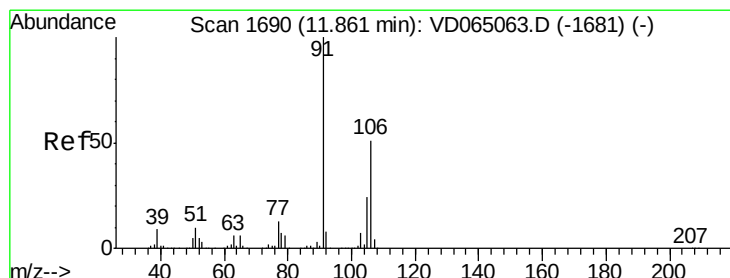
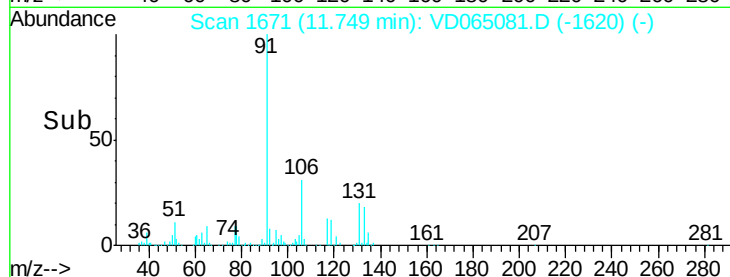
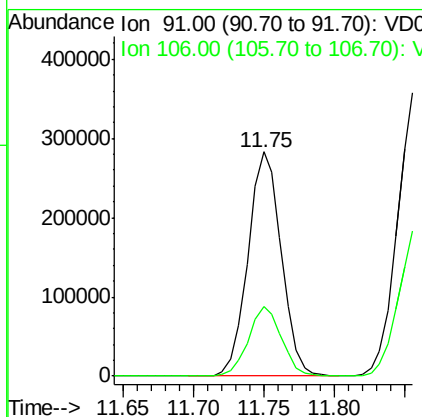
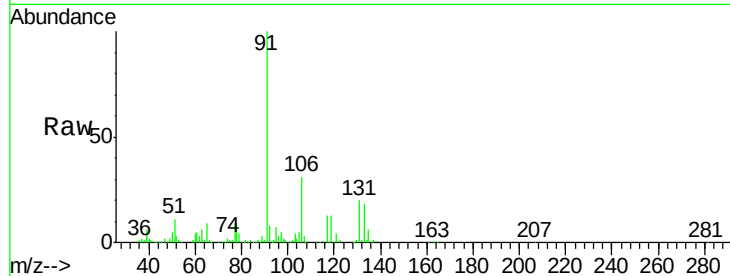
#67
Ethyl Benzene
Concen: 21.320 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.2

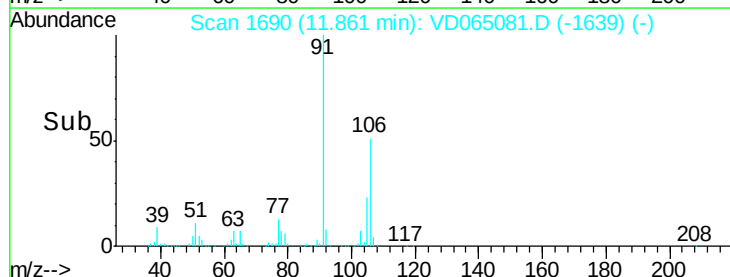
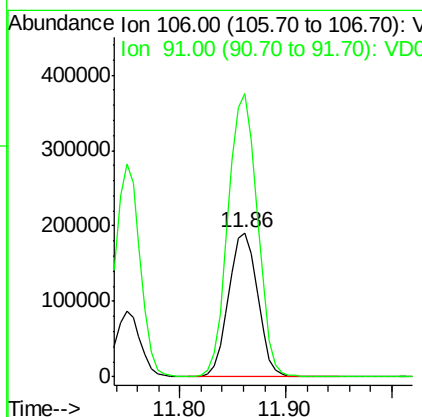
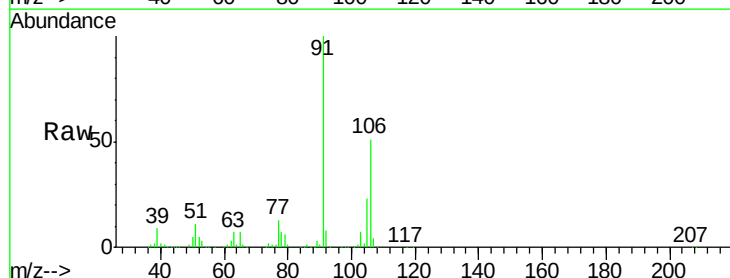
Manual Integrations
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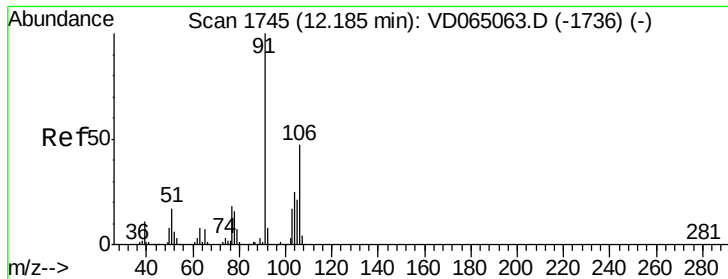
MMDadoda
2/7/2020 12:05:37 PM



#68
m/p-Xylenes
Concen: 43.261 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.9	158.9	238.3





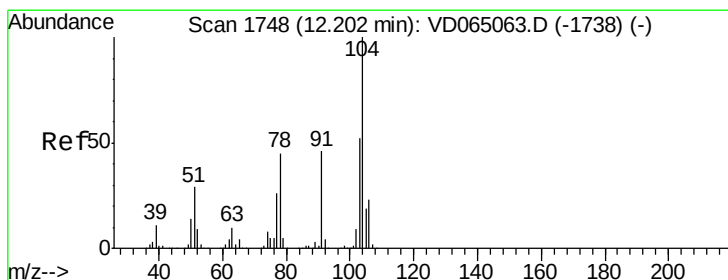
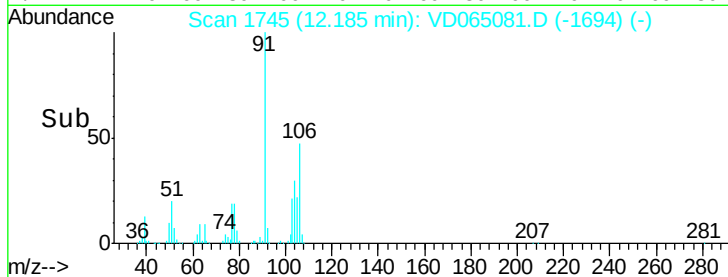
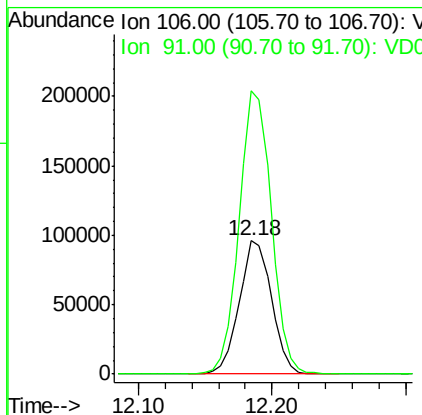
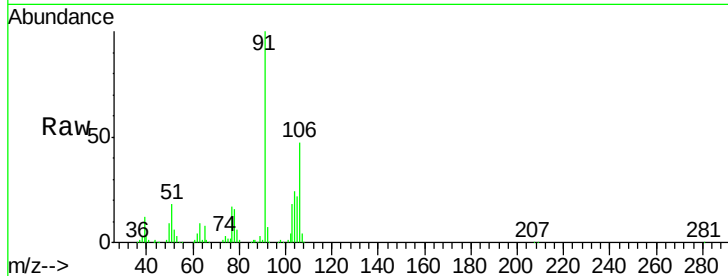
#69
o-Xylene
Concen: 21.230 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.3	104.7	313.9

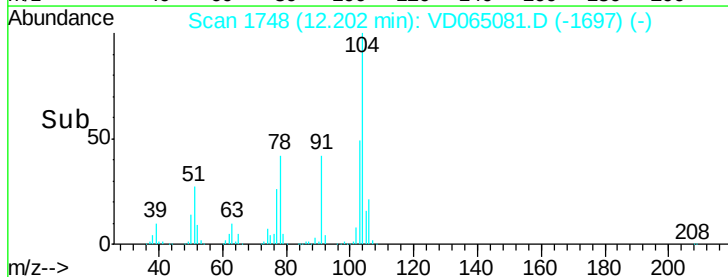
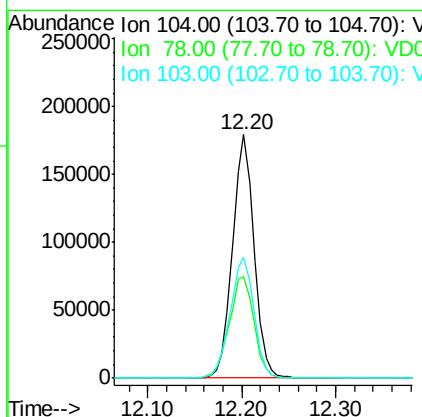
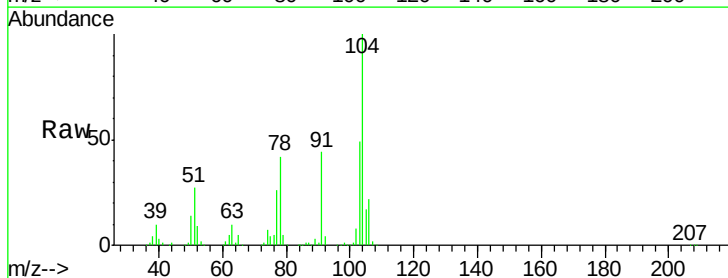
Manual Integrations
APPROVED

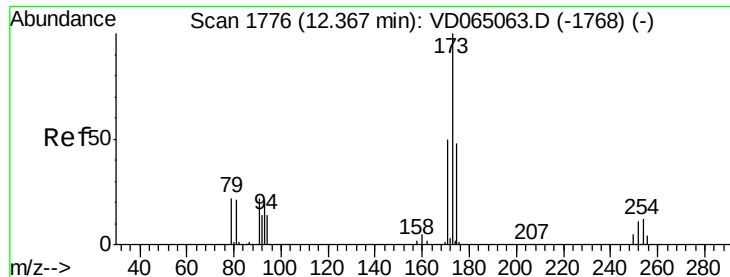
MMDadoda
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#70
Styrene
Concen: 21.648 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.5	57.7
103	55.0	43.8	65.8





#71

Bromoform

Concen: 22.097 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

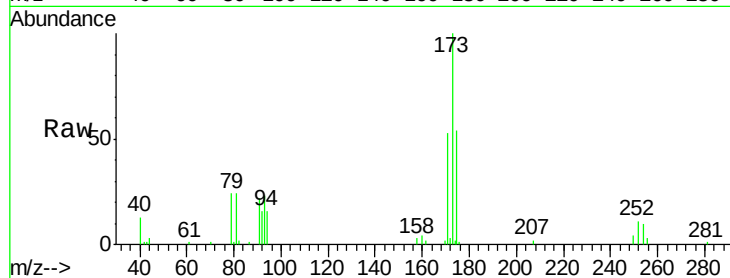
ClientSampleId :

VD0206SBSD01

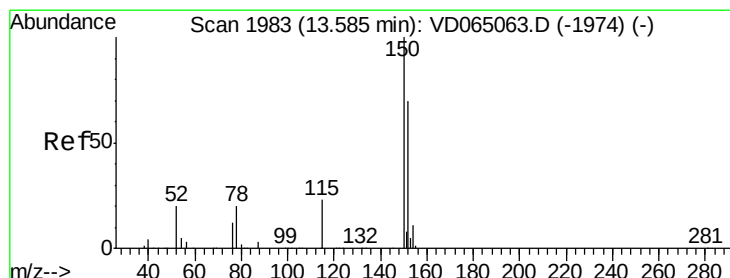
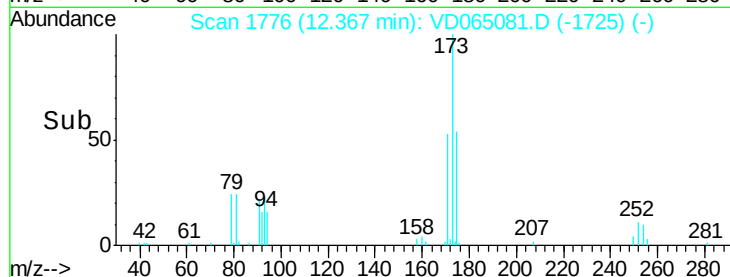
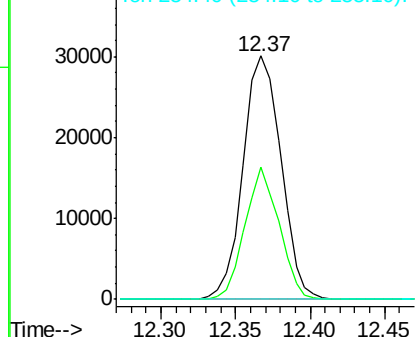
Tot Ion:	173	Resp:	53118
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.3	72.8
254	0.0	0.1	0.1#

Manual Integrations
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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

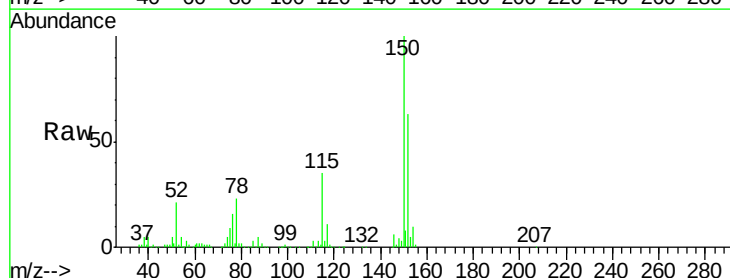
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

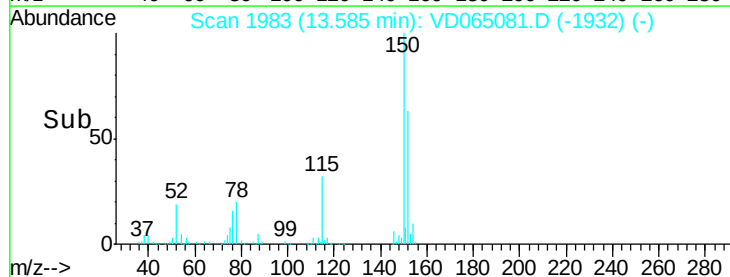
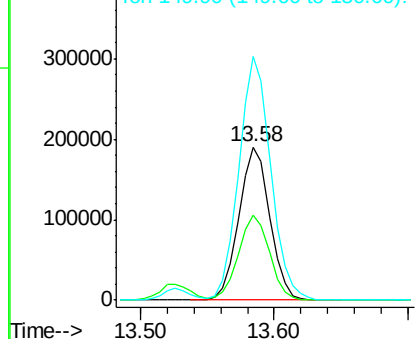
Lab File: VD065081.D

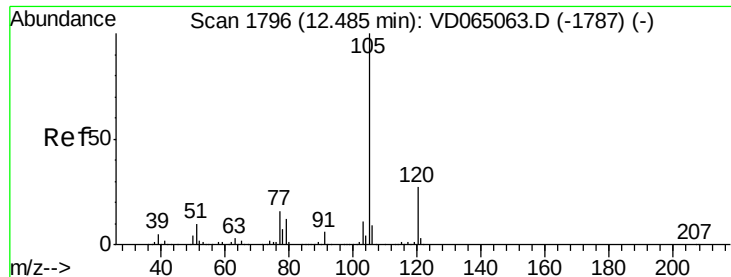
Acq: 06 Feb 2020 12:33

Tgt Ion:	152	Resp:	304231
Ion Ratio	Lower	Upper	
152	100		
115	55.6	27.5	82.4
150	164.1	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: 20.760 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion:105 Resp: 433503

Ion Ratio Lower Upper

105 100

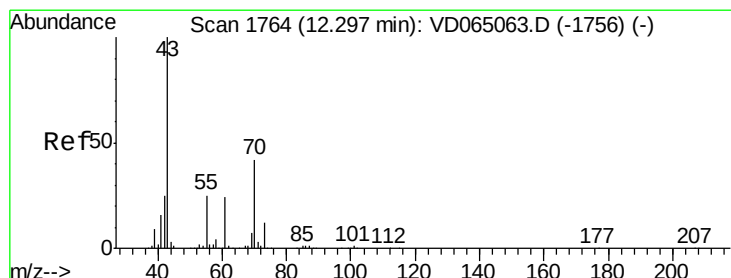
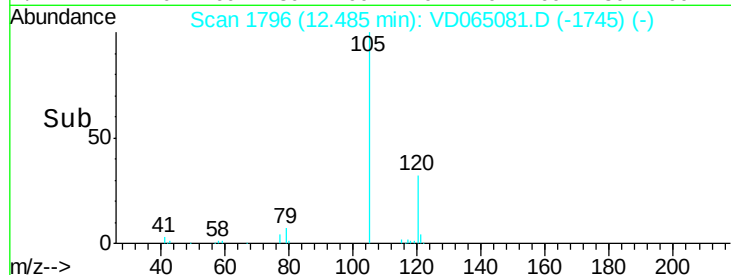
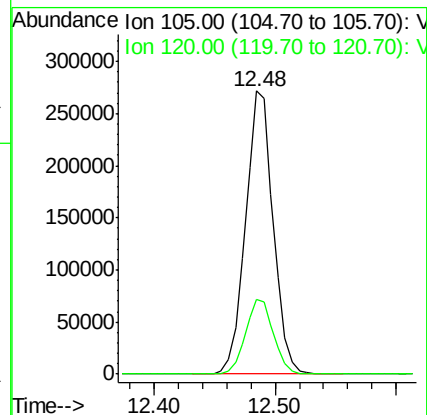
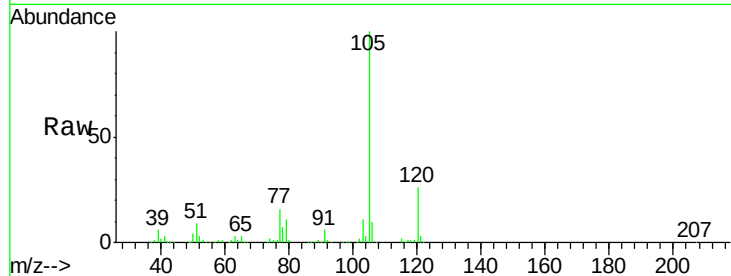
120 26.6 13.3 39.9

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#74

N-ethyl acetate

Concen: 20.634 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Tgt Ion: 43 Resp: 93651

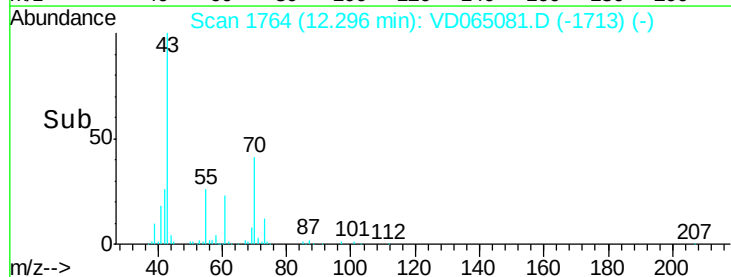
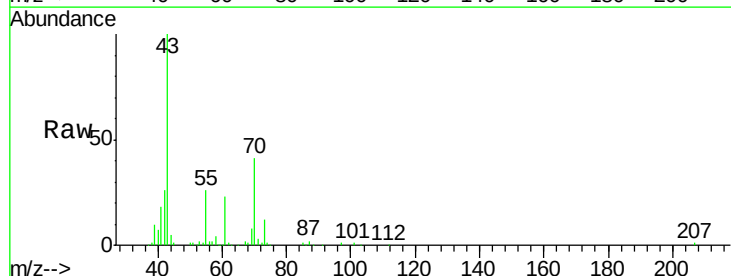
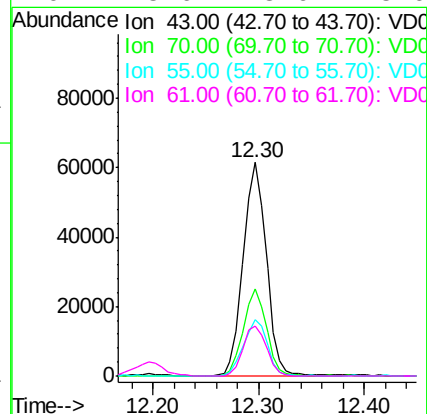
Ion Ratio Lower Upper

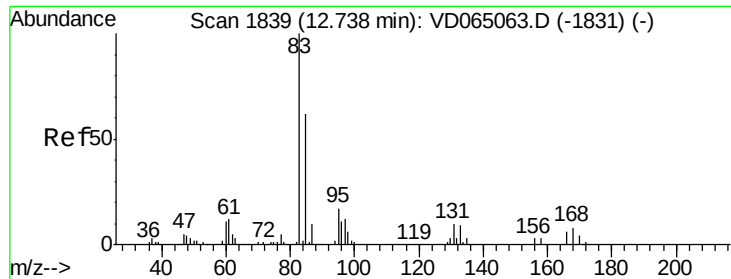
43 100

70 40.3 33.5 50.3

55 26.7 19.4 29.2

61 23.6 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.423 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

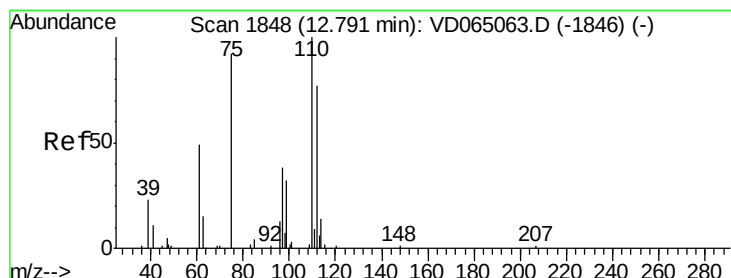
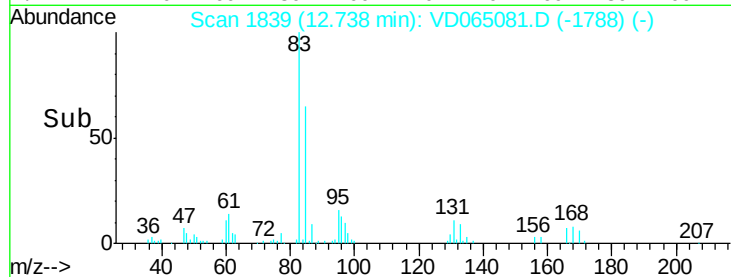
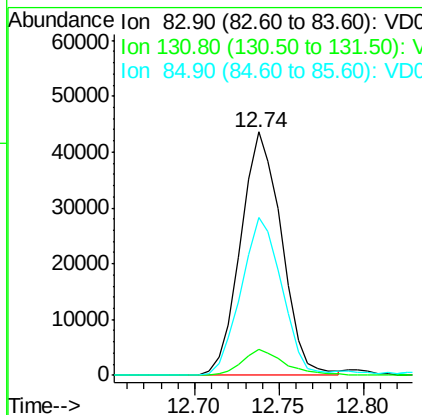
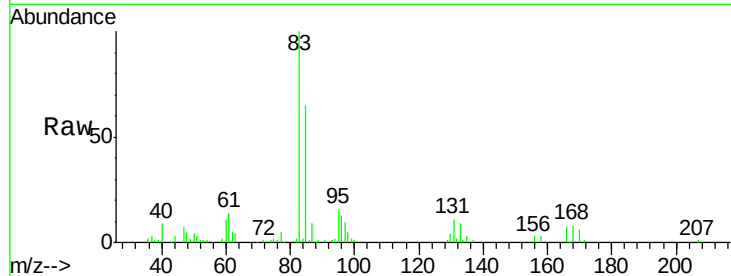
ClientSampleId :

VD0206SBS01

Tot Ion:	83	Resp:	73692
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.5	16.4
85	64.7	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.872 ug/l m

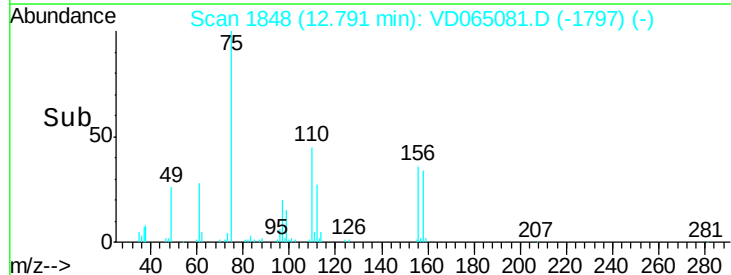
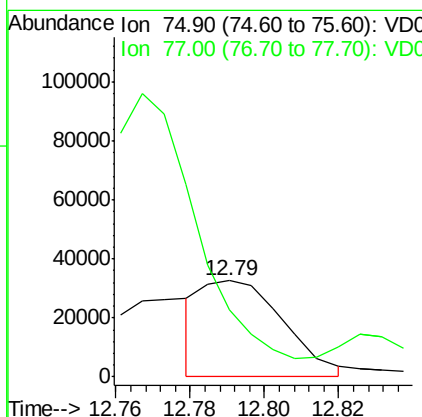
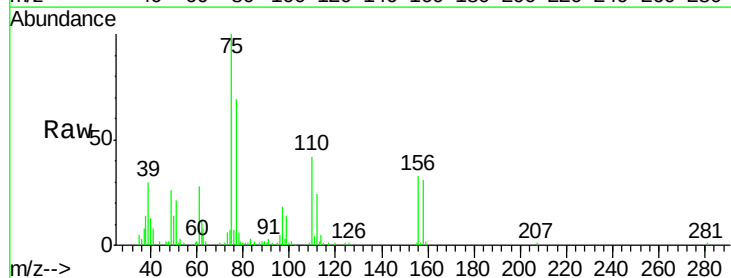
RT: 12.79 min Scan# 1848

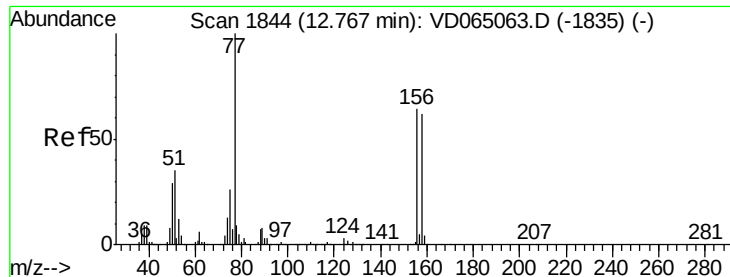
Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Tgt Ion:	75	Resp:	50378
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.423 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

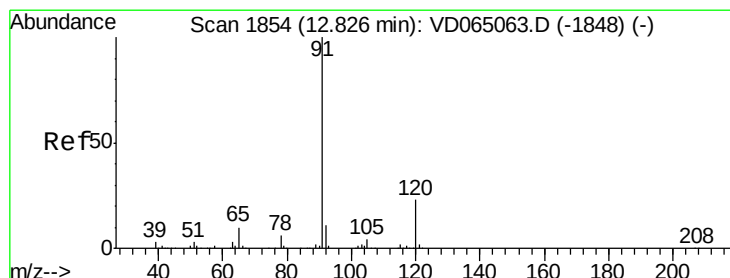
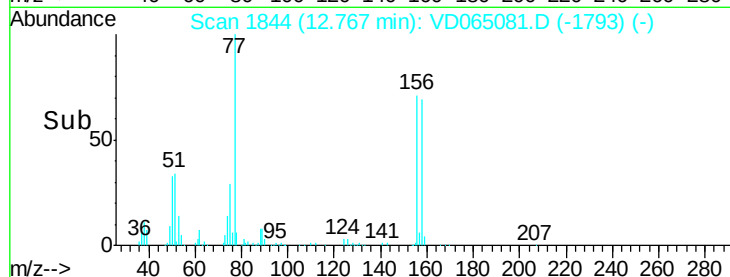
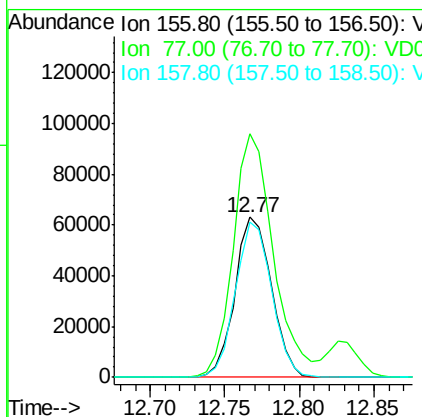
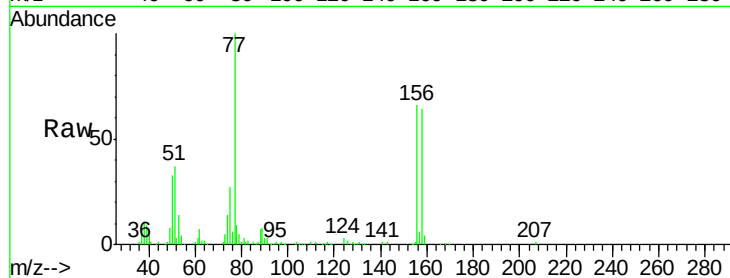
ClientSampleId :

VD0206SBSD01

Tot Ion:	156	Resp:	107780
Ion Ratio	Lower	Upper	
156	100		
77	166.6	85.6	256.8
158	96.2	47.4	142.2

Manual Integrations
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#78

n-propylbenzene

Concen: 21.622 ug/l

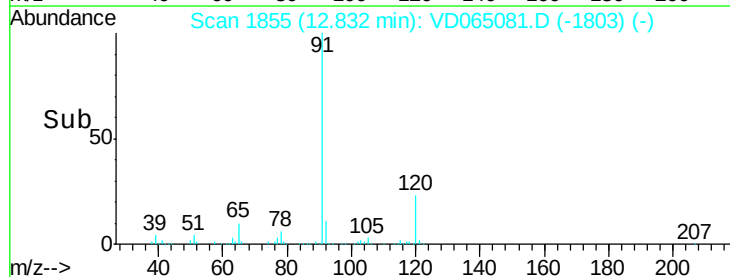
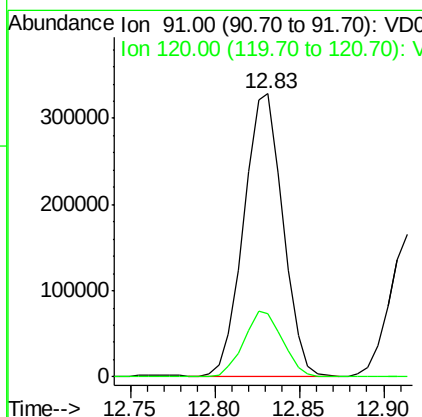
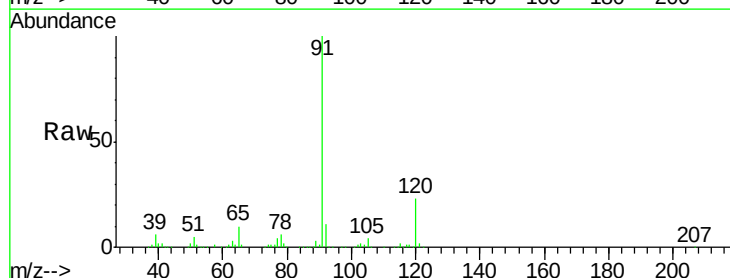
RT: 12.83 min Scan# 1855

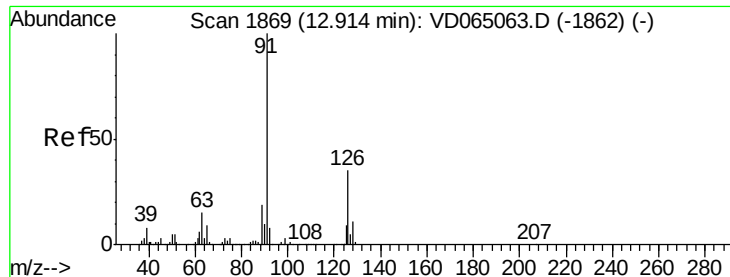
Delta R.T. 0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Tgt Ion:	91	Resp:	528738
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.8	35.3





#79

2-Chlorotoluene

Concen: 21.131 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion: 91 Resp: 288039

Ion Ratio Lower Upper

91 100

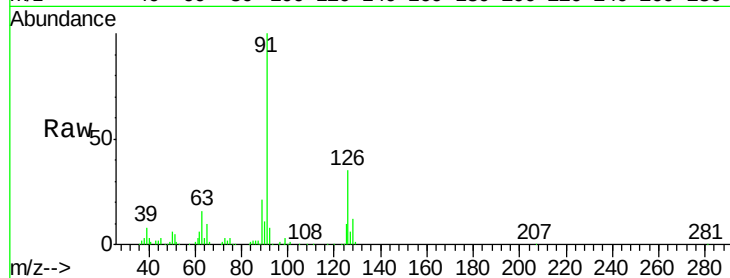
126 34.1 17.4 52.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD065063.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065063.D (-1862) (-)

250000

200000

150000

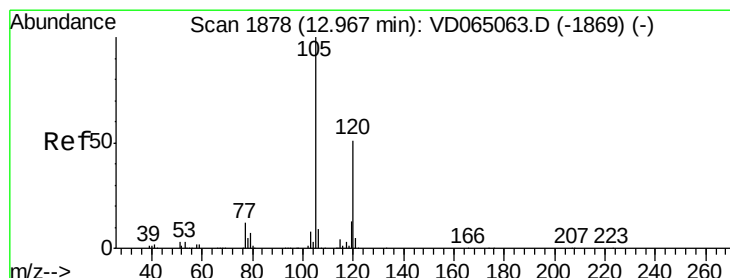
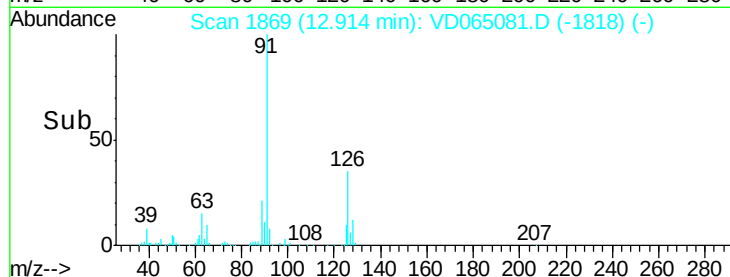
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.483 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065081.D

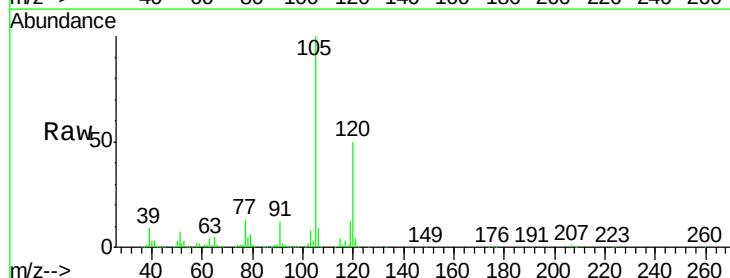
Acq: 06 Feb 2020 12:33

Tgt Ion: 105 Resp: 366993

Ion Ratio Lower Upper

105 100

120 50.4 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065063.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065063.D (-1869) (-)

250000

200000

150000

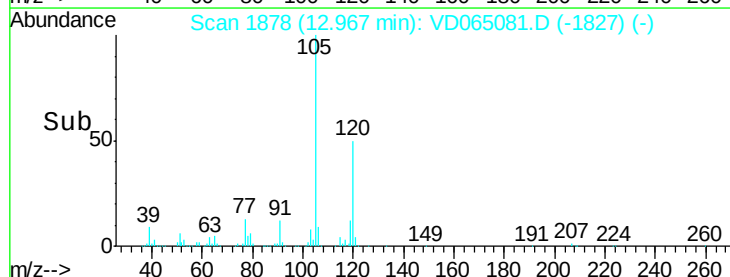
100000

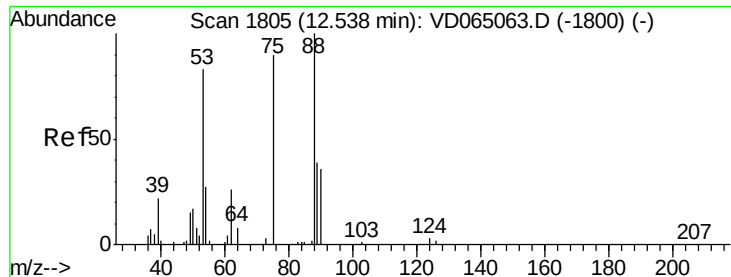
50000

0

12.90 12.95

Time-->





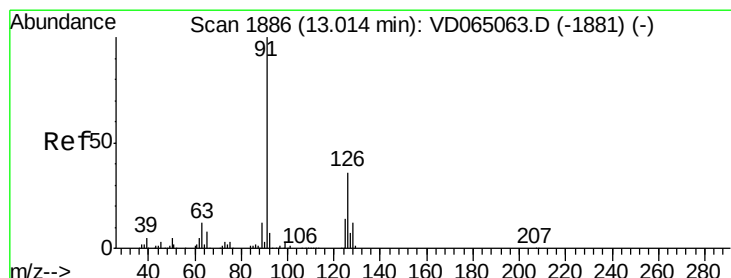
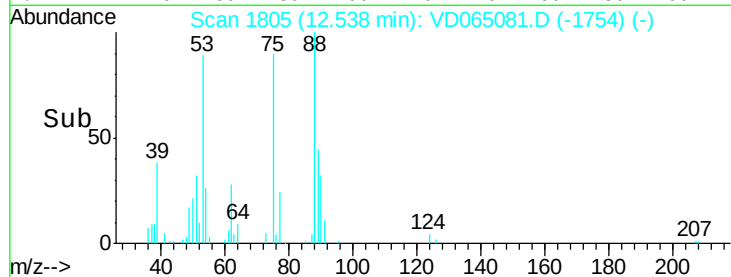
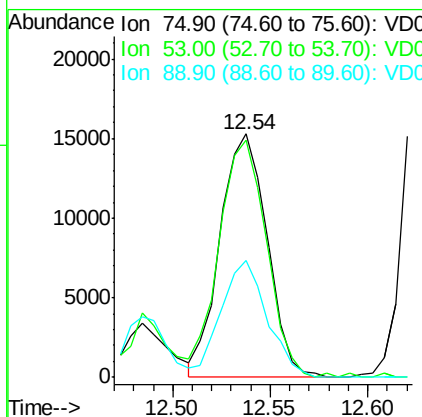
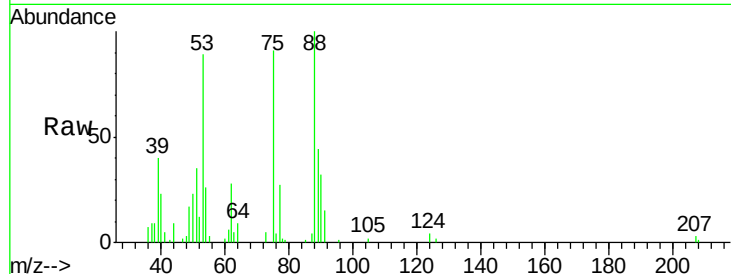
#81
trans-1,4-Dichloro-2-butene
Concen: 22.158 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.0	78.5	117.7
89	47.2	37.0	55.4

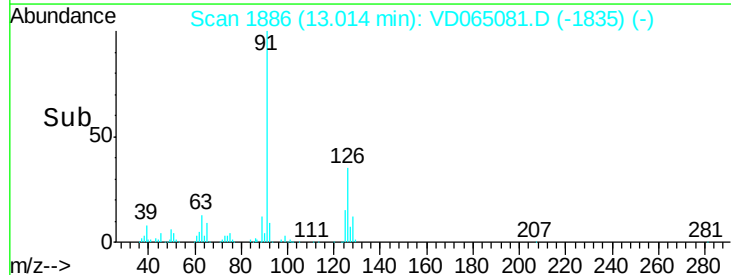
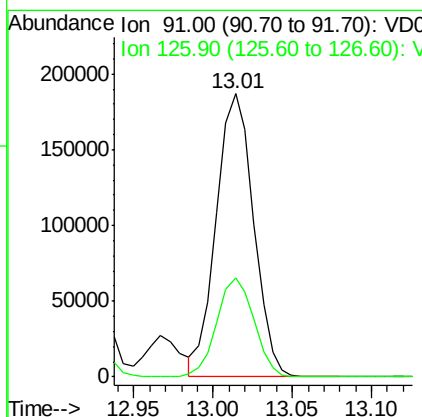
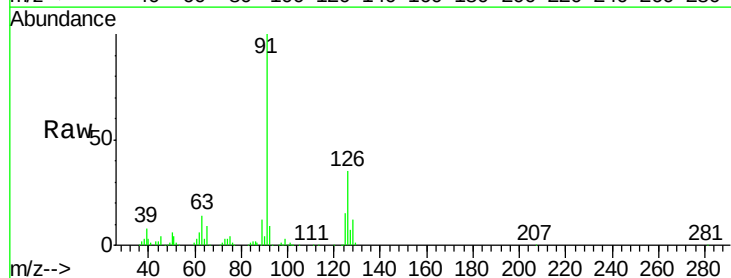
Manual Integrations
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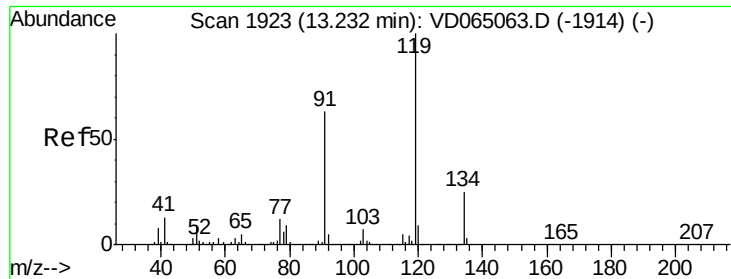
MMDadoda
2/7/2020 12:05:37 PM



#82
4-Chlorotoluene
Concen: 21.376 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.5





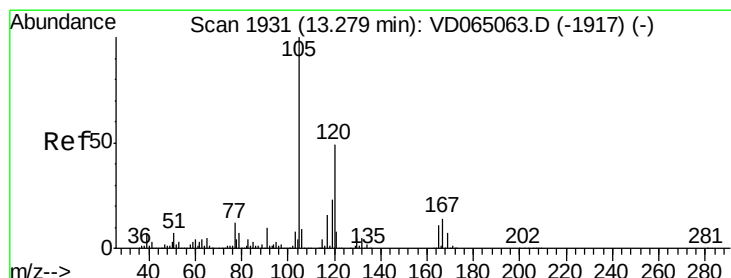
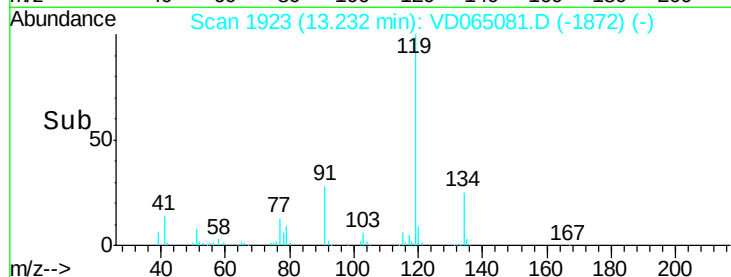
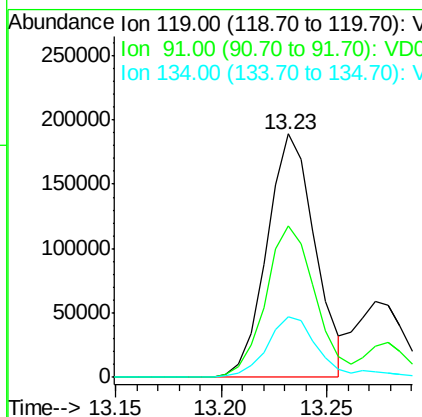
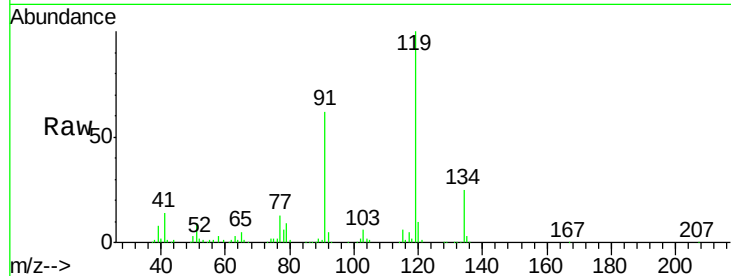
#83
 tert-Butylbenzene
 Concen: 20.329 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	299611		
91	64.4		32.3	96.9
134	27.4		13.8	41.3

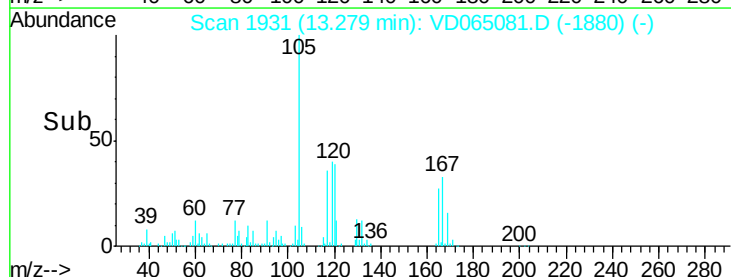
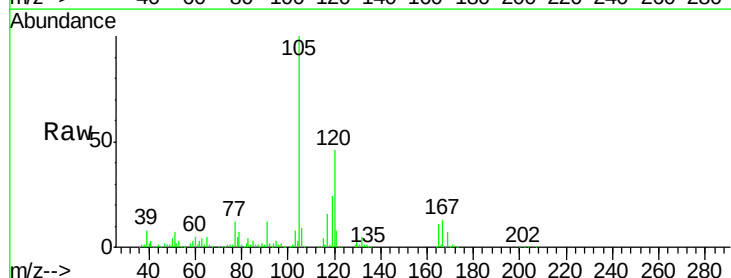
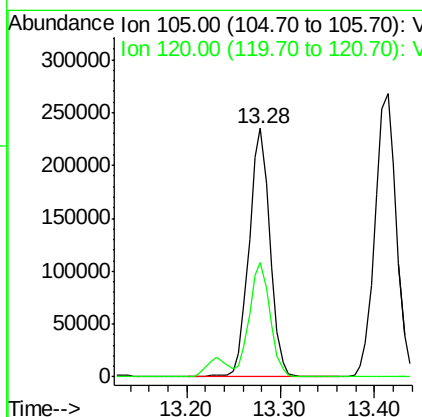
Manual Integrations
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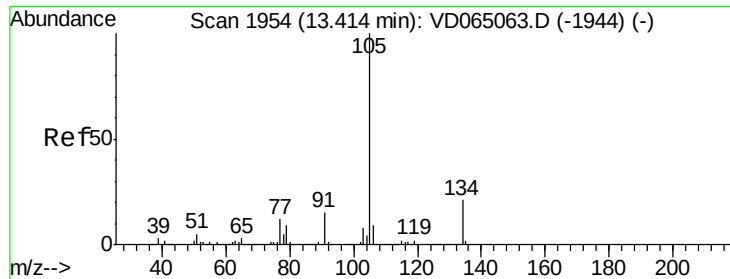
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.342 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	361949		
120	45.6		23.5	70.5





#85

sec-Butylbenzene

Concen: 20.836 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0206SBS01

Tot Ion:105 Resp: 419409

Ion Ratio Lower Upper

105 100

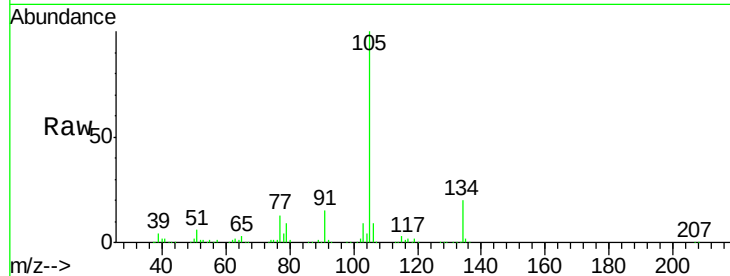
134 20.5 10.4 31.1

Manual Integrations

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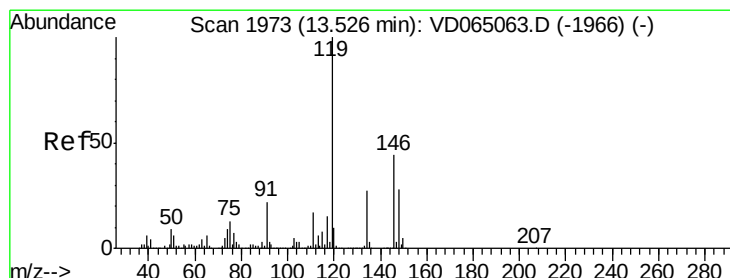
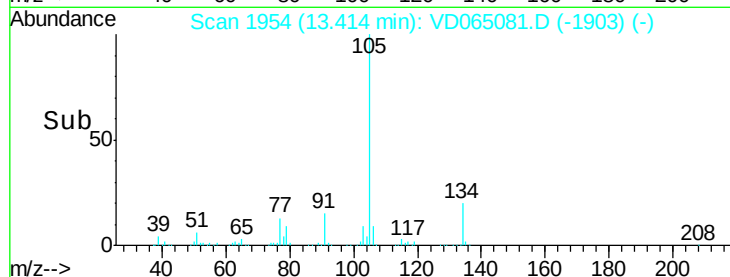
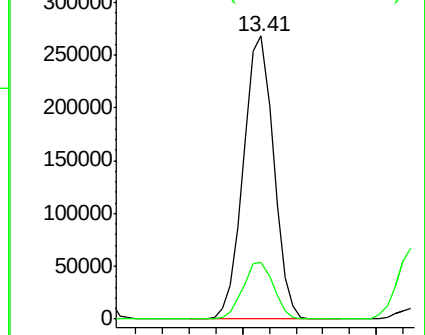
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.067 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

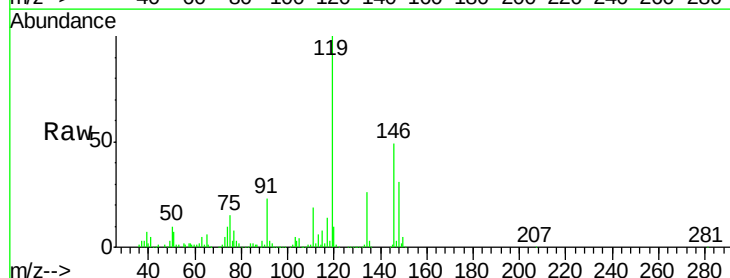
Tgt Ion:119 Resp: 394000

Ion Ratio Lower Upper

119 100

134 25.9 13.5 40.5

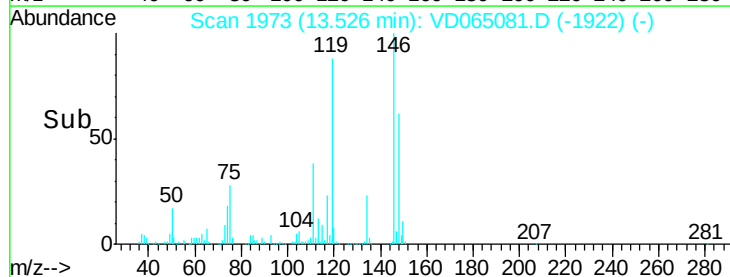
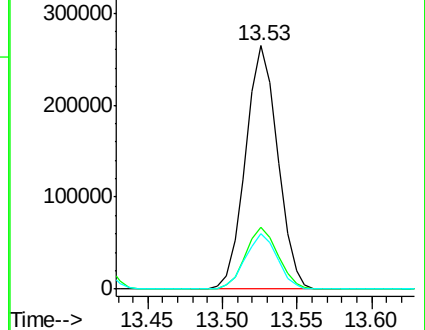
91 23.0 11.3 33.9

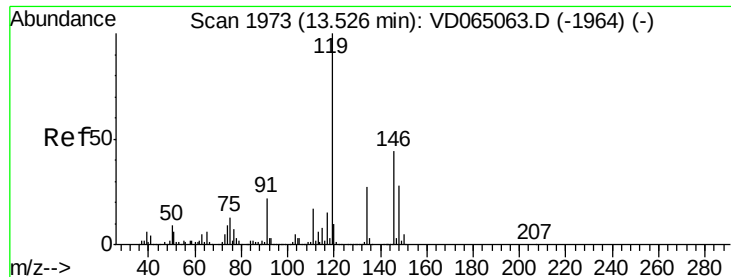


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





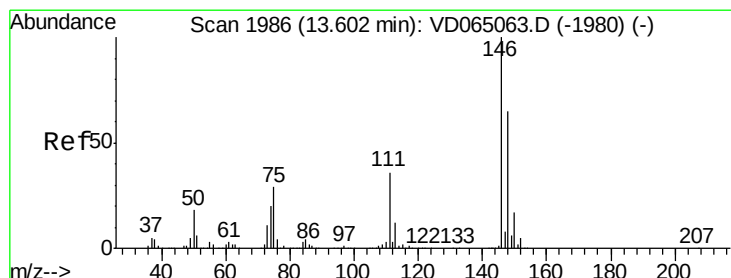
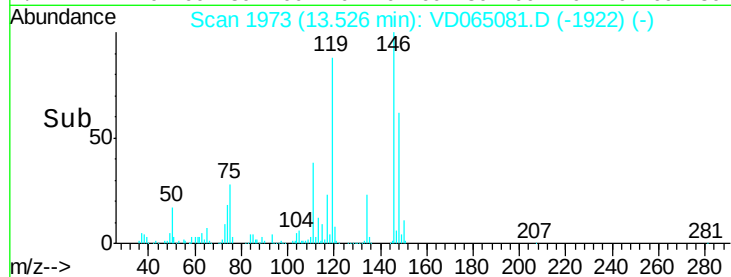
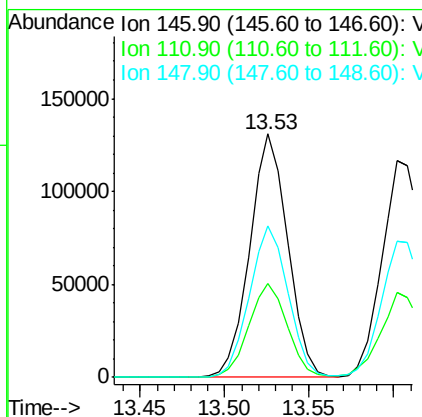
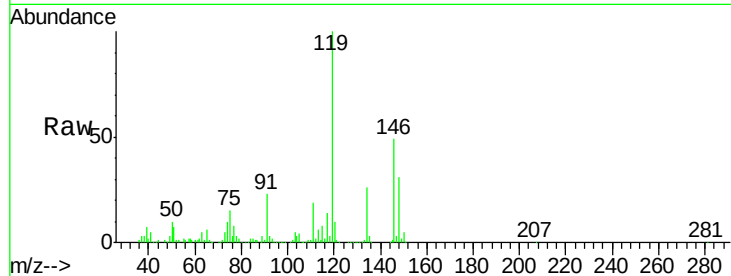
#87
 1,3-Dichlorobenzene
 Concen: 21.755 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	204921		
111	38.9	19.4	58.4	
148	63.3	32.3	96.8	

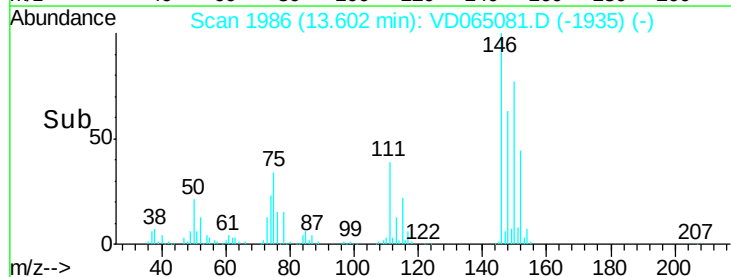
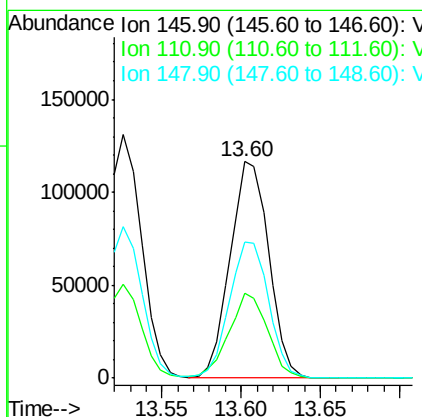
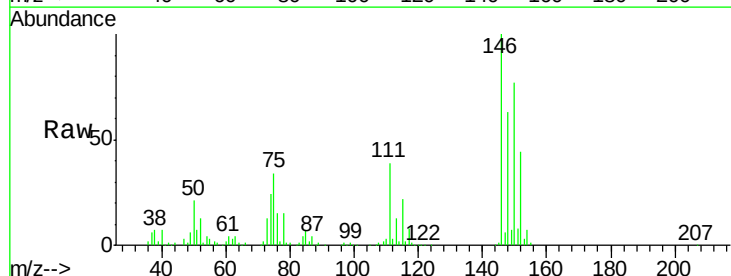
Manual Integrations
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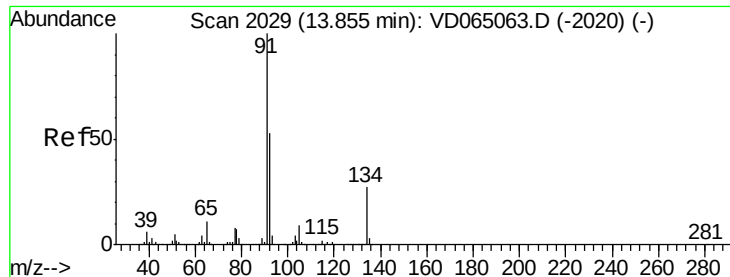
MMDadoda
 2/7/2020 12:05:37 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.100 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	197814		
111	39.2	18.5	55.5	
148	63.7	32.7	98.1	





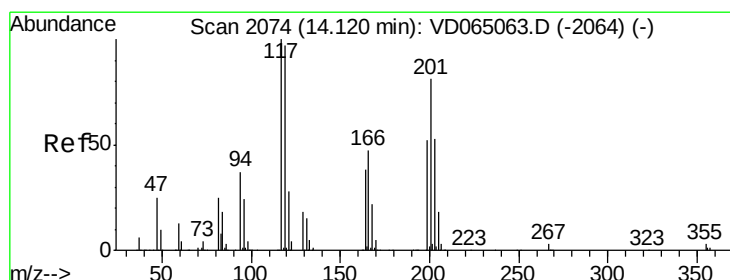
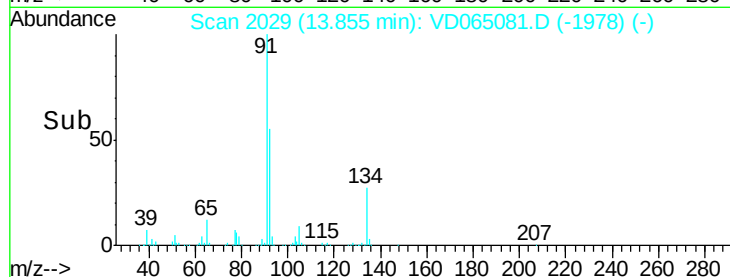
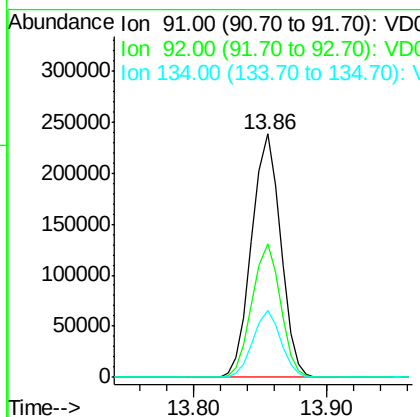
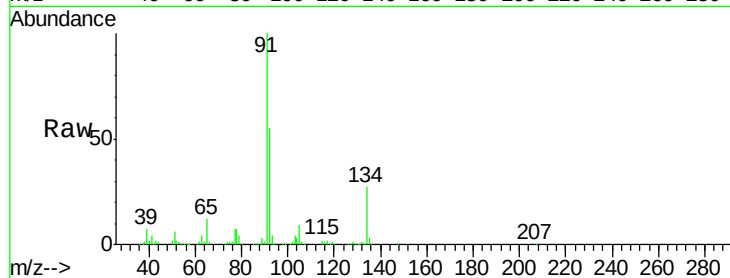
#89
n-Butylbenzene
Concen: 20.732 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.8	26.7	80.1	
134	26.5	13.4	40.2	

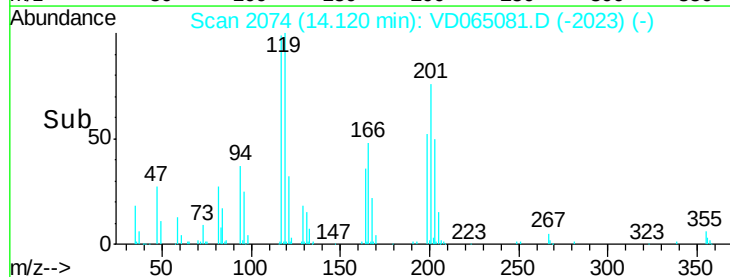
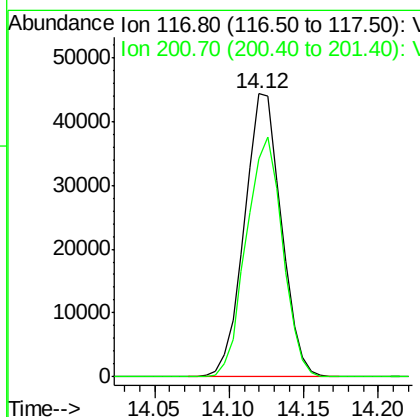
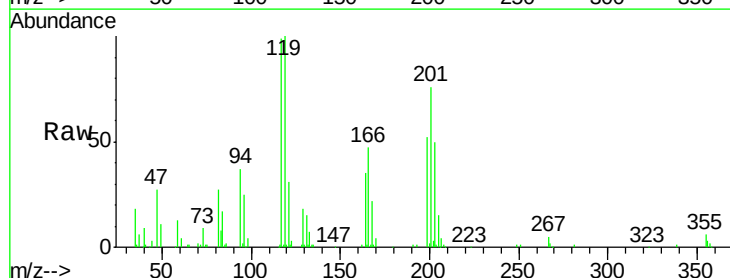
Manual Integrations
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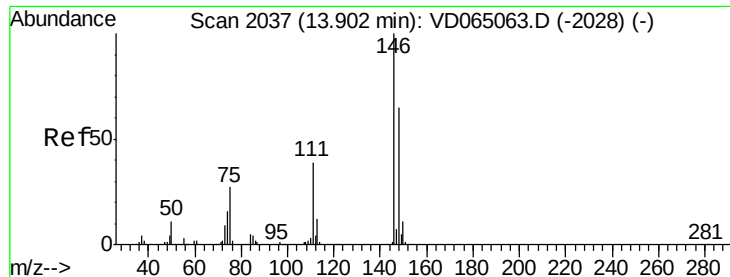
MMDadoda
2/7/2020 12:05:37 PM



#90
Hexachloroethane
Concen: 21.360 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.4	42.5	127.6	





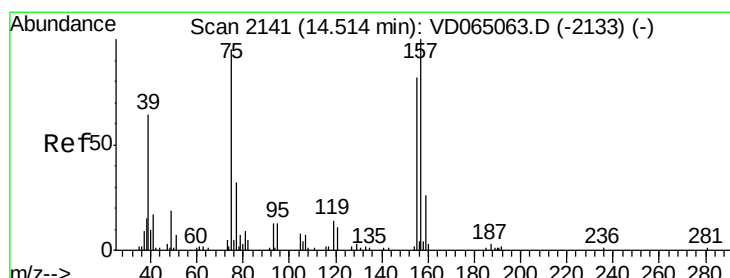
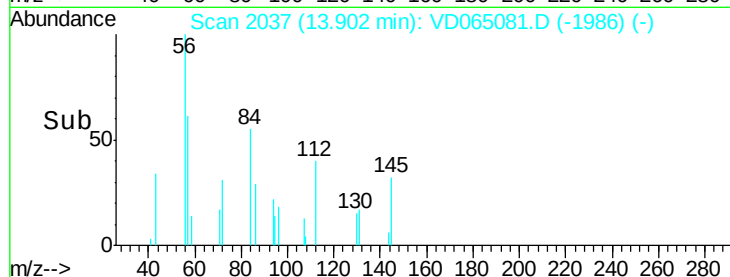
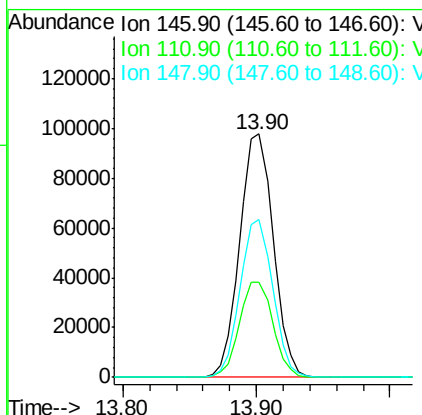
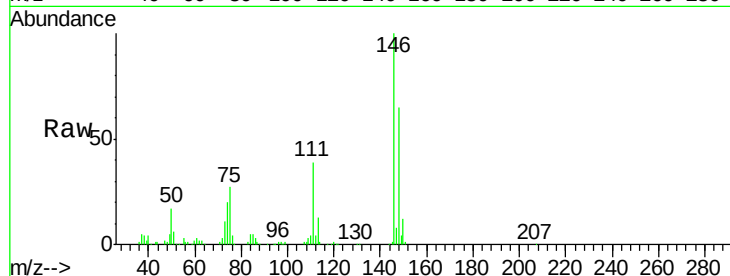
#91
1,2-Dichlorobenzene
Concen: 21.165 ug/l
RT: 13.90 min Scan# 2037
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	63.0	31.9	95.5

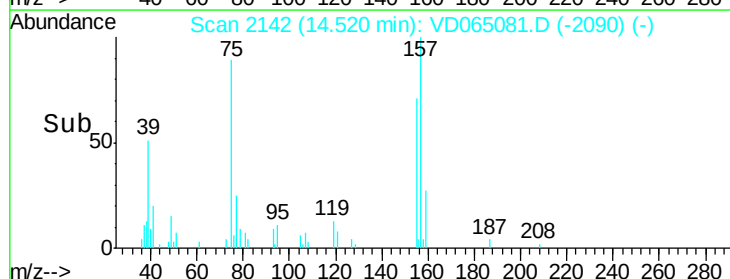
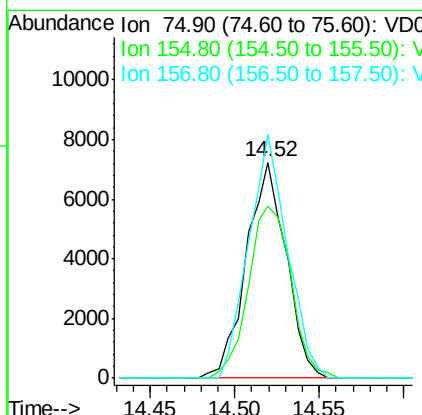
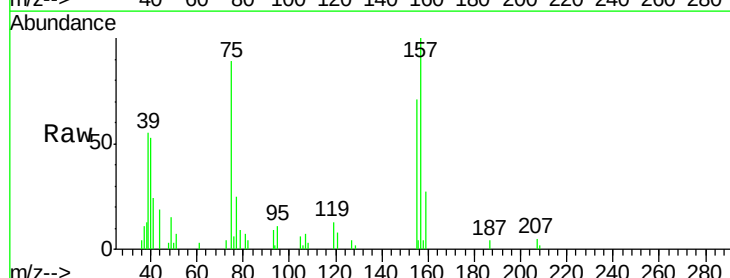
Manual Integrations
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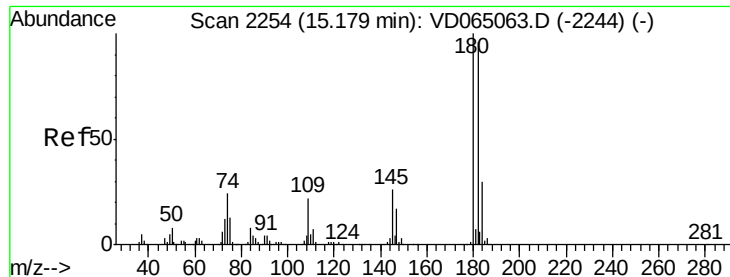
MMDadoda
2/7/2020 12:05:37 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 22.161 ug/l
RT: 14.52 min Scan# 2142
Delta R.T. 0.01 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	43.4	130.1
157	109.7	55.8	167.3





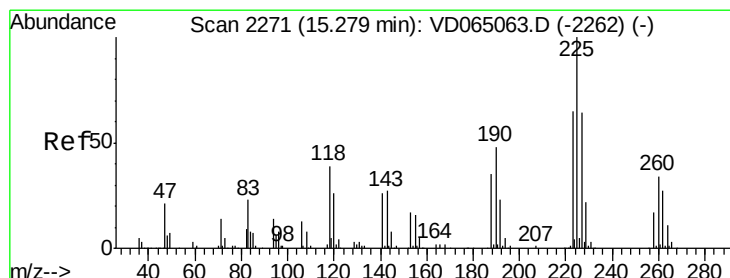
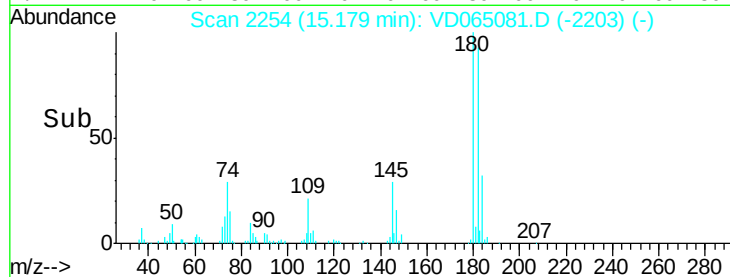
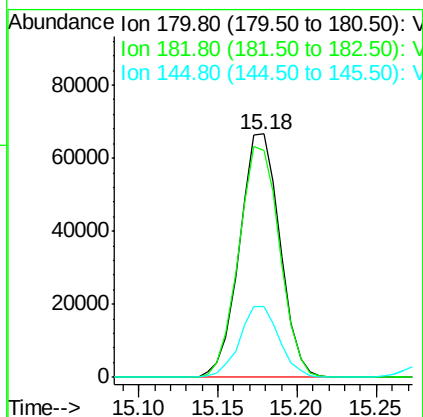
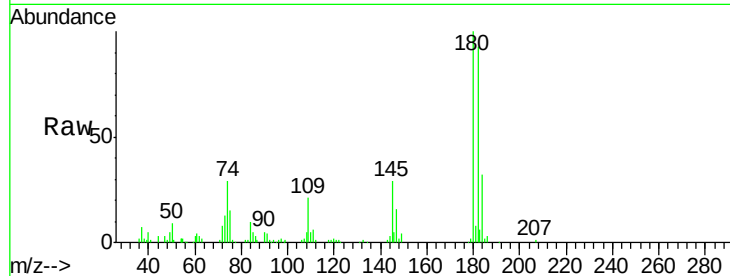
#93
 1,2,4-Trichlorobenzene
 Concen: 20.474 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118064		
182	96.2	47.4	142.3	
145	28.7	14.1	42.4	

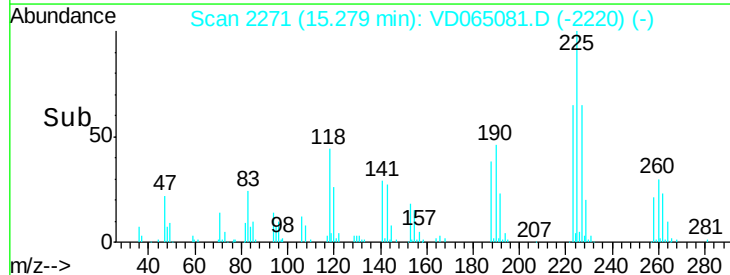
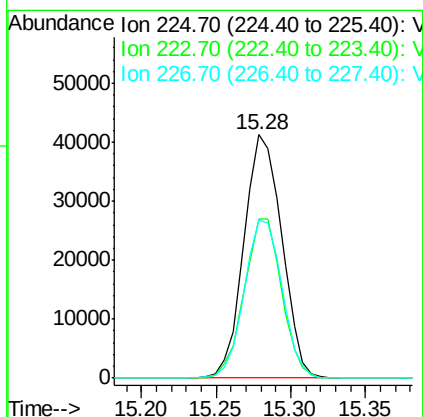
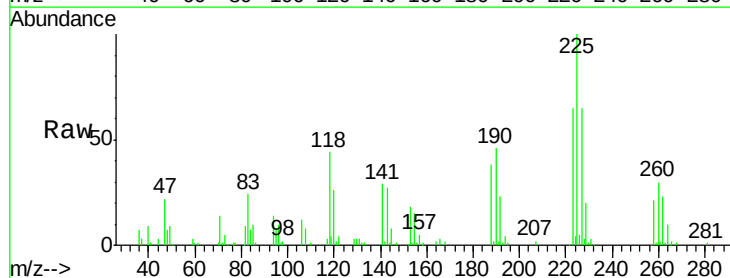
Manual Integrations
 APPROVED

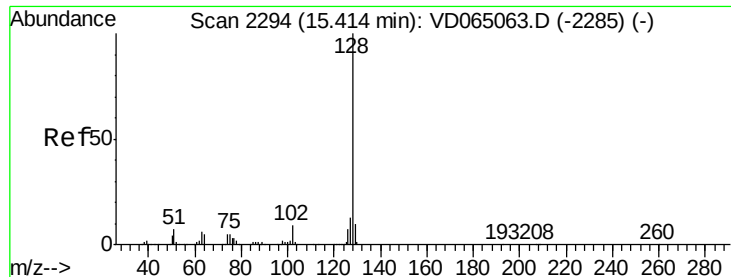
MMDadoda
 2/7/2020 12:05:37 PM



#94
 Hexachlorobutadiene
 Concen: 20.406 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72353		
223	64.4	31.4	94.0	
227	65.1	31.8	95.3	





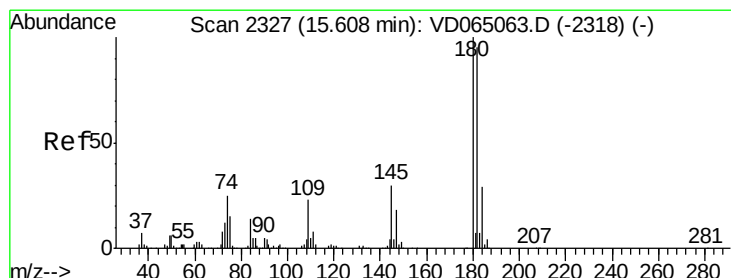
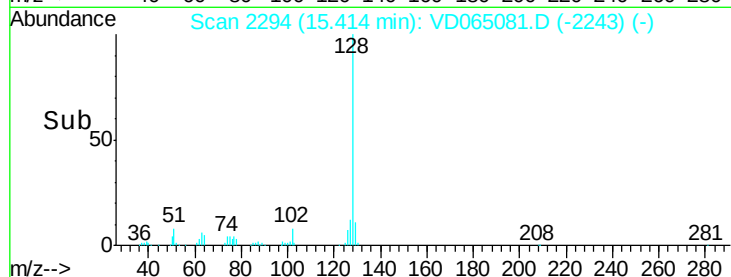
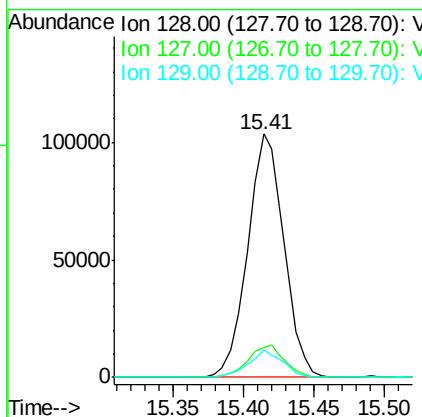
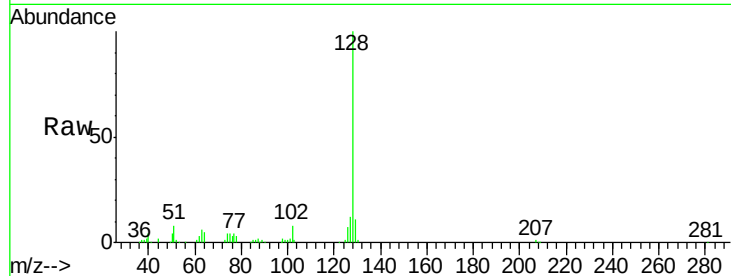
#95
Naphthalene
Concen: 19.456 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0206SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.450 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.1	141.4
145	29.8	14.9	44.9

