

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067099.D
 Acq On : 06 Oct 2020 11:16
 Operator : VA/SY
 Sample : VD1006SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:10:05 PM

Quant Time: Oct 07 01:29:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	426327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	640145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	588813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	192078	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	7.91	113	206251	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.34	98	774381	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.63	95	265639	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	88115	22.996	ug/l	96
3) Chloromethane	2.20	50	61619	18.149	ug/l	99
4) Vinyl Chloride	2.35	62	62257	18.287	ug/l	98
5) Bromomethane	2.76	94	46222	18.320	ug/l	98
6) Chloroethane	2.91	64	37186	17.936	ug/l	94
7) Trichlorofluoromethane	3.27	101	148464	19.629	ug/l	99
8) Diethyl Ether	3.71	74	34013	18.134	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	82673	19.338	ug/l	96
10) Methyl Iodide	4.30	142	72776	17.520	ug/l	99
11) Tert butyl alcohol	5.21	59	28339	85.853	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	76221	18.966	ug/l #	86
13) Acrolein	3.92	56	23464	85.336	ug/l	92
14) Allyl chloride	4.71	41	91444	17.515	ug/l	95
15) Acrylonitrile	5.43	53	59347	85.972	ug/l	97
16) Acetone	4.16	43	60173	95.994	ug/l	97
17) Carbon Disulfide	4.40	76	234653	19.025	ug/l	99
18) Methyl Acetate	4.72	43	28097	17.834	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	141232	19.251	ug/l	100
20) Methylene Chloride	4.97	84	100464	17.917	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	90228	19.728	ug/l	94
22) Diisopropyl ether	6.37	45	178851	18.764	ug/l	96
23) Vinyl Acetate	6.30	43	480661	88.993	ug/l	97
24) 1,1-Dichloroethane	6.27	63	139136	18.915	ug/l	97
25) 2-Butanone	7.21	43	75298	84.727	ug/l	93
26) 2,2-Dichloropropane	7.21	77	132419	18.449	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	94051	19.254	ug/l	97
28) Bromochloromethane	7.54	49	50146	17.652	ug/l	91
29) Tetrahydrofuran	7.56	42	45694	89.420	ug/l	96
30) Chloroform	7.71	83	153090	19.185	ug/l	93
31) Cyclohexane	7.98	56	111171	18.027	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	144215	19.501	ug/l	99
36) 1,1-Dichloropropene	8.11	75	118394	19.842	ug/l	98
37) Ethyl Acetate	7.29	43	35347	17.100	ug/l #	95
38) Carbon Tetrachloride	8.10	117	134458	20.827	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	123463	19.571	ug/l	99
40) Benzene	8.35	78	327705	19.773	ug/l	93
41) Methacrylonitrile	7.53	41	21583	19.327	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	90854	19.618	ug/l	99
43) Isopropyl Acetate	8.45	43	68335	17.945	ug/l	97
44) Trichloroethene	9.11	130	100680	20.344	ug/l	89
45) 1,2-Dichloropropane	9.38	63	78984	20.283	ug/l	95
46) Dibromomethane	9.48	93	45129	20.164	ug/l	98
47) Bromodichloromethane	9.66	83	120583	20.726	ug/l	95
48) Methyl methacrylate	9.46	41	34111	17.485	ug/l	86
49) 1,4-Dioxane	9.46	88	9008	385.634	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	178596	94.158	ug/l	99
52) Toluene	10.40	92	223226	20.909	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	103388	19.884	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	125593	19.780	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	63832	20.514	ug/l	96
56) Ethyl methacrylate	10.66	69	63270	19.694	ug/l	98
57) 1,3-Dichloropropane	10.94	76	103454	20.502	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	181060	101.259	ug/l	96
59) 2-Hexanone	10.98	43	119572	94.450	ug/l	98
60) Dibromochloromethane	11.14	129	87050	20.989	ug/l	97
61) 1,2-Dibromoethane	11.25	107	61715	20.644	ug/l	97
64) Tetrachloroethene	10.87	164	89461	20.899	ug/l	94
65) Chlorobenzene	11.67	112	234567	20.030	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	94608	21.238	ug/l	98
67) Ethyl Benzene	11.74	91	410463	20.456	ug/l	100
68) m/p-Xylenes	11.86	106	325992	41.689	ug/l	100
69) o-Xylene	12.18	106	144411	20.651	ug/l	96
70) Styrene	12.20	104	254170	21.167	ug/l	100
71) Bromoform	12.37	173	49128	21.246	ug/l #	97
73) Isopropylbenzene	12.48	105	404056	20.434	ug/l	100
74) N-amyl acetate	12.28	43	65049	18.300	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	64757	19.437	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	52794m	20.813	ug/l	
77) Bromobenzene	12.76	156	98240	20.576	ug/l	96
78) n-propylbenzene	12.82	91	469644	20.097	ug/l	99
79) 2-Chlorotoluene	12.91	91	267306	19.992	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	346949	20.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19994	19.652	ug/l	97
82) 4-Chlorotoluene	13.01	91	289535	20.353	ug/l	99
83) tert-Butylbenzene	13.23	119	282082	20.051	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	347900	20.867	ug/l	98
85) sec-Butylbenzene	13.41	105	402510	20.317	ug/l	100
86) p-Isopropyltoluene	13.52	119	382198	20.808	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	193351	20.790	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	190766	20.515	ug/l	99
89) n-Butylbenzene	13.85	91	334529	19.928	ug/l	99
90) Hexachloroethane	14.11	117	62531	19.435	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	164612	20.267	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9806	18.259	ug/l	89

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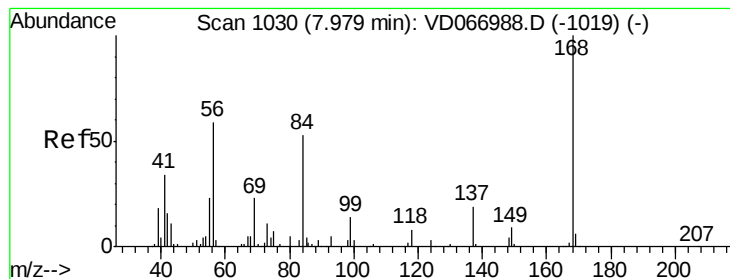
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110346	21.004	ug/l	99
94) Hexachlorobutadiene	15.28	225	66247	20.532	ug/l	100
95) Naphthalene	15.41	128	174035	19.861	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	91015	19.957	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion:168 Resp: 426327

Ion Ratio Lower Upper

168 100

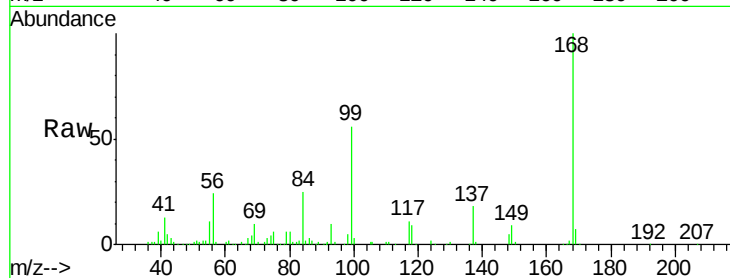
99 55.5 44.1 66.1

Manual Integrations

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10/7/2020 12:10:05 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

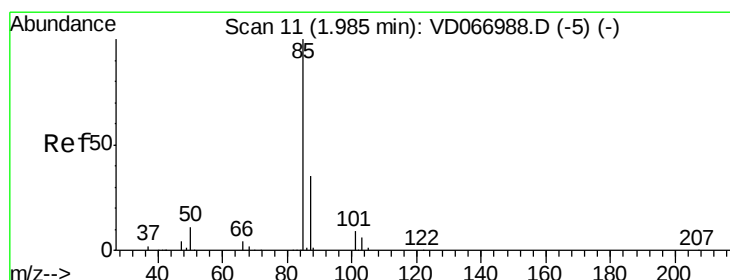
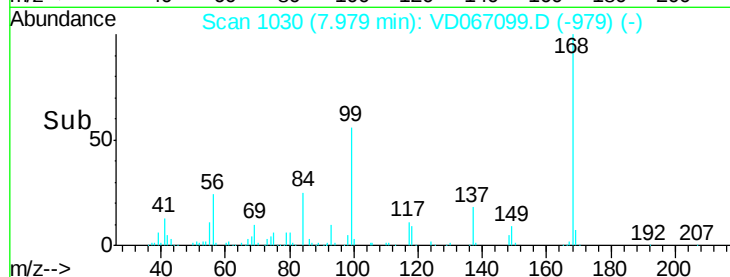
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.996 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067099.D

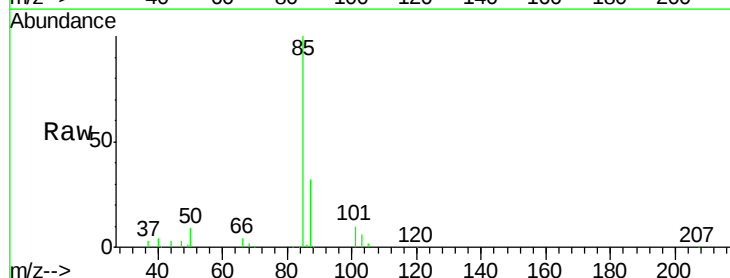
Acq: 06 Oct 2020 11:16

Tgt Ion: 85 Resp: 88115

Ion Ratio Lower Upper

85 100

87 32.4 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

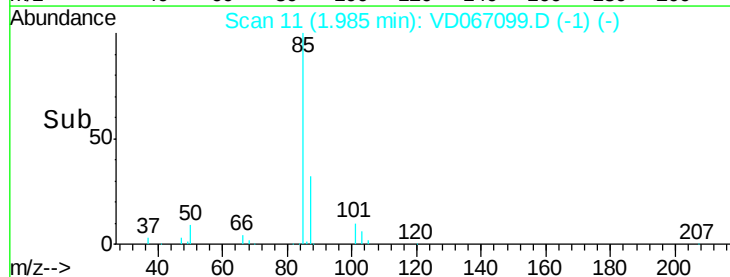
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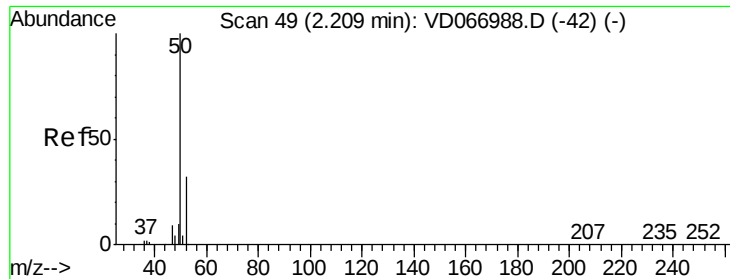
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 18.149 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 50 Resp: 61619

Ion Ratio Lower Upper

50 100

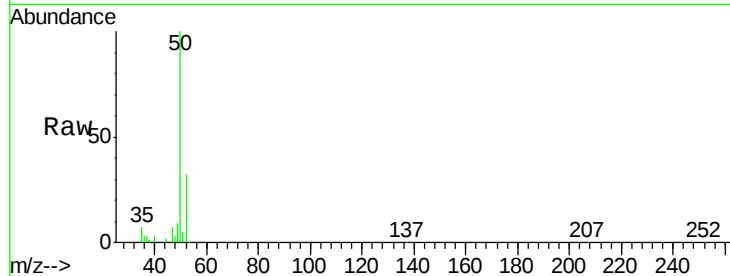
52 31.9 25.3 37.9

Manual Integrations

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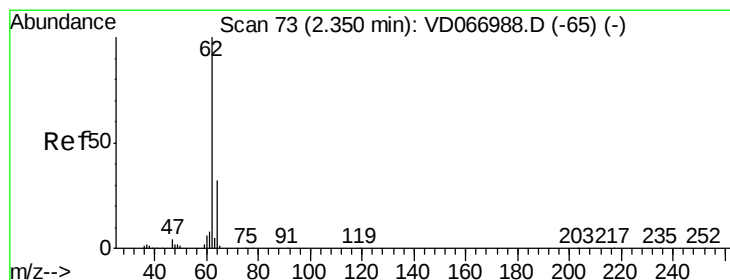
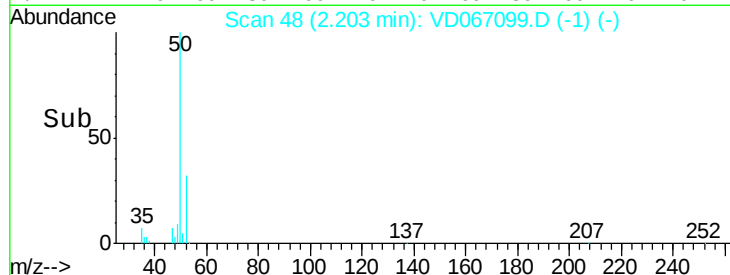
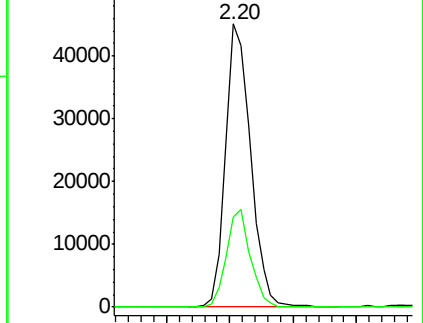
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.287 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067099.D

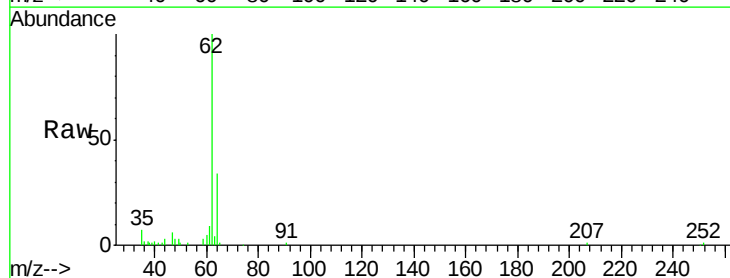
Acq: 06 Oct 2020 11:16

Tgt Ion: 62 Resp: 62257

Ion Ratio Lower Upper

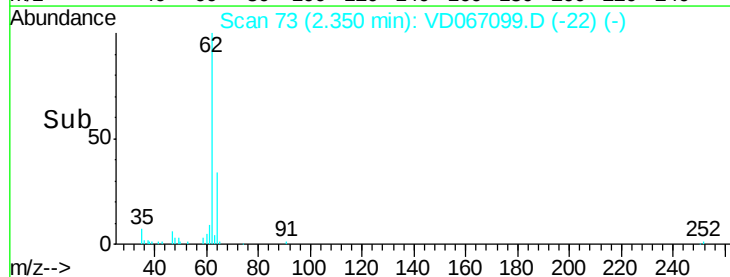
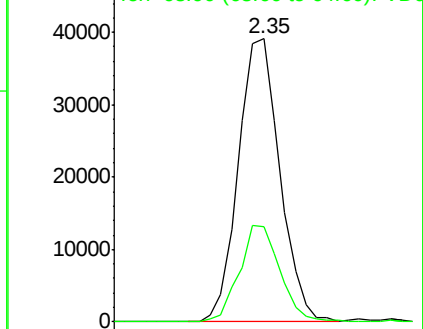
62 100

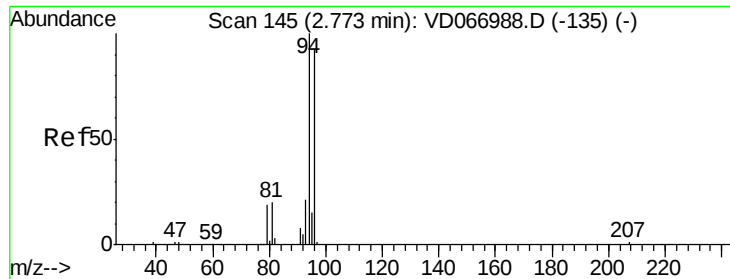
64 33.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.320 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 94 Resp: 46222

Ion Ratio Lower Upper

94 100

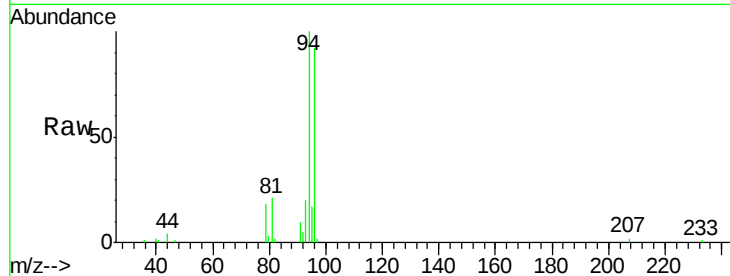
96 91.7 74.6 112.0

Manual Integrations

APPROVED

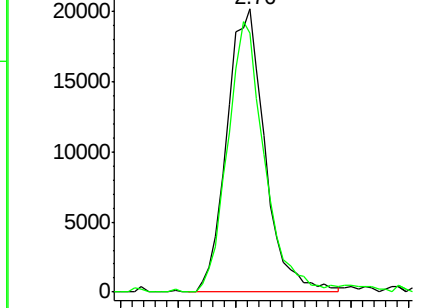
MMDadoda

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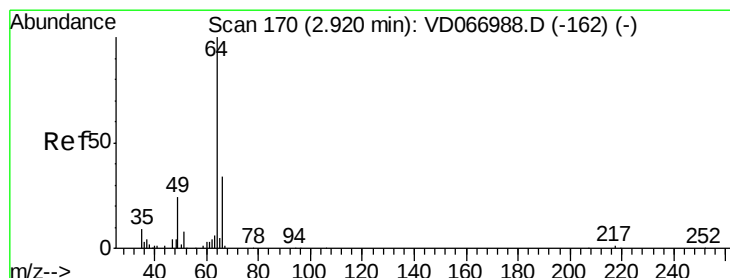
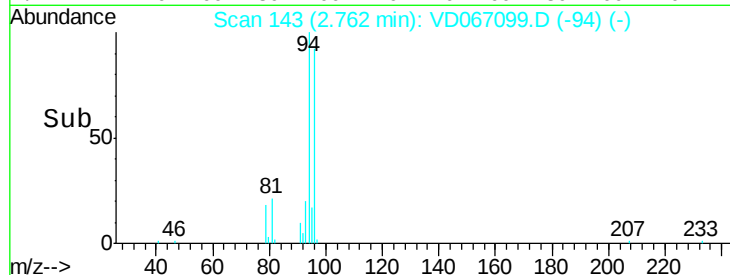


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 17.936 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067099.D

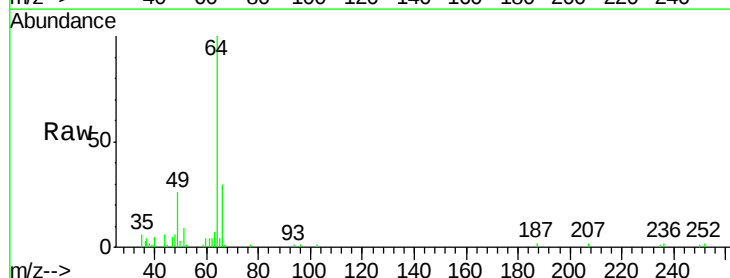
Acq: 06 Oct 2020 11:16

Tgt Ion: 64 Resp: 37186

Ion Ratio Lower Upper

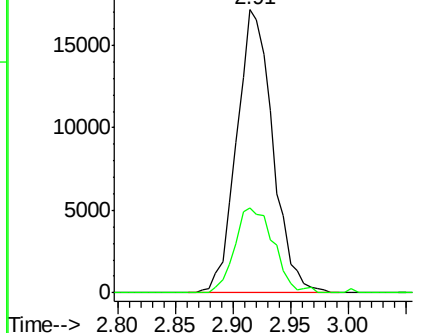
64 100

66 30.2 27.0 40.6

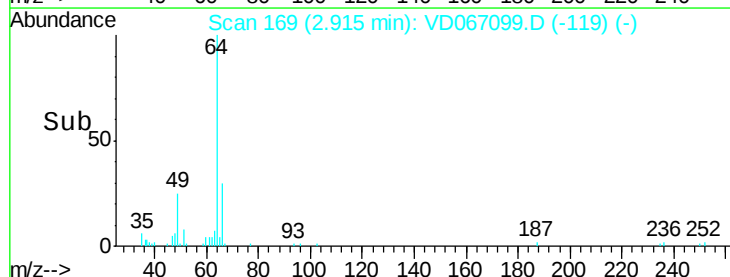


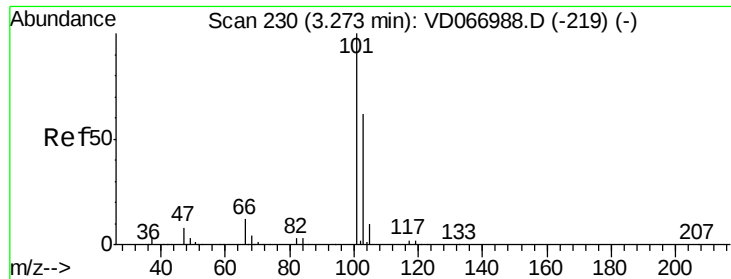
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

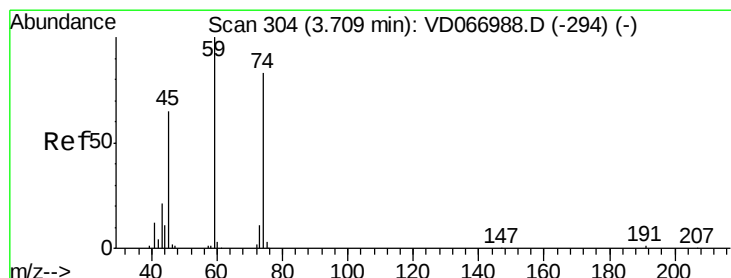
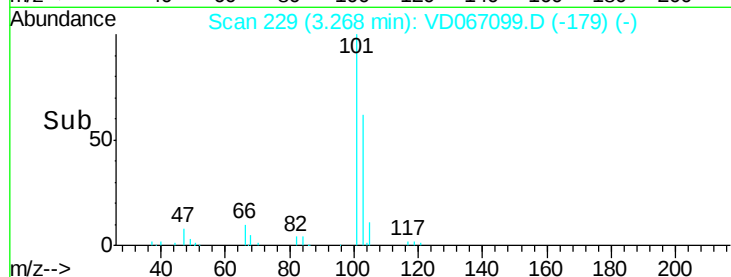
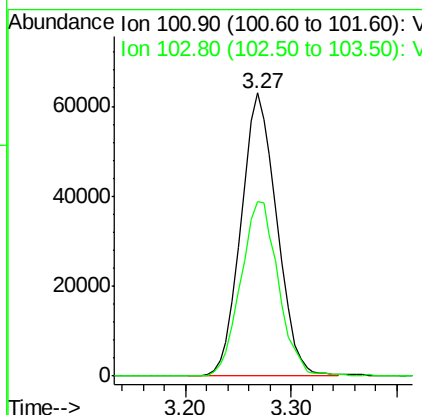
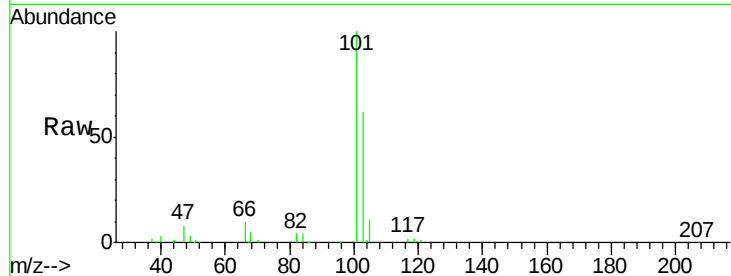
Trichlorofluoromethane
Concen: 19.629 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
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VD1006SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	49.8	74.8

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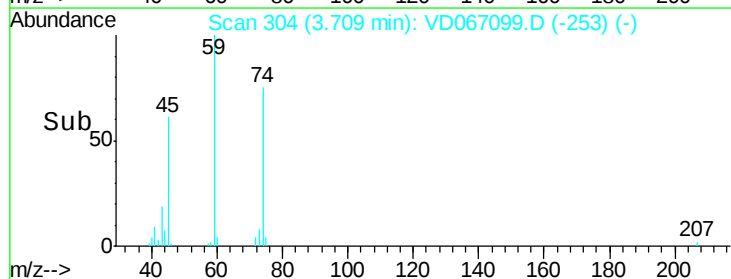
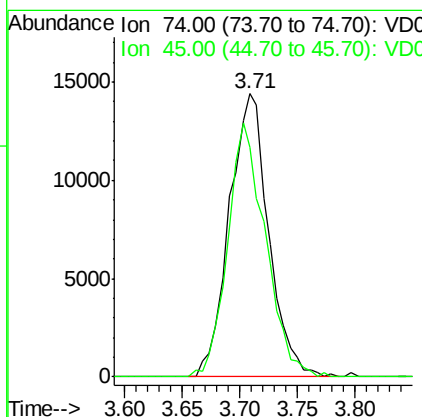
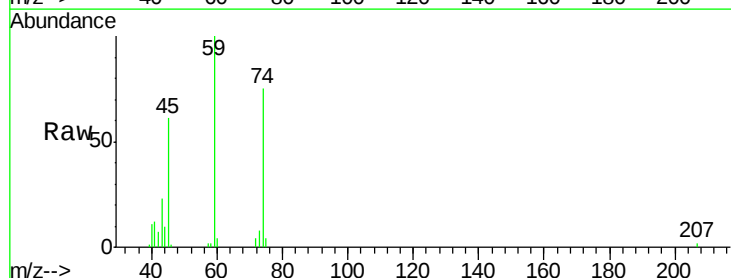
MMDadoda
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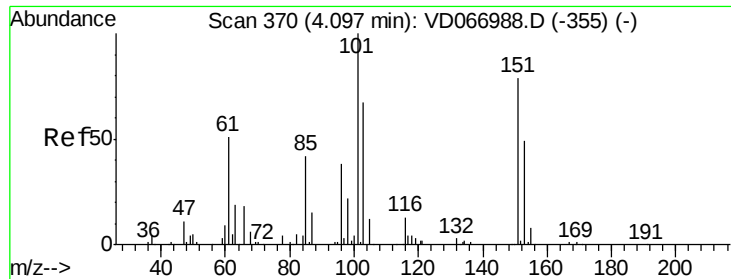


#8

Diethyl Ether
Concen: 18.134 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.4	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.338 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

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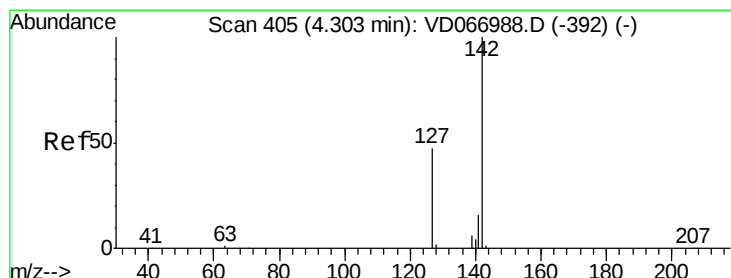
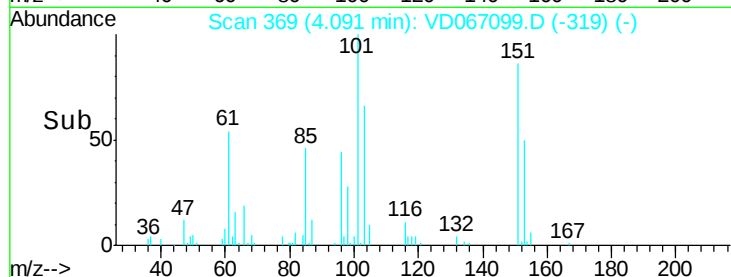
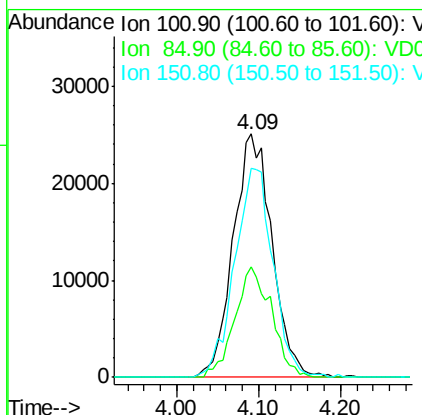
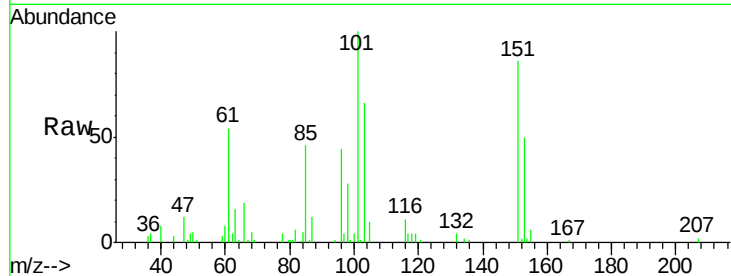
ClientSampleId :

VD1006SBS01

Tot Ion:	101	Resp:	82673
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.8	50.8
151	84.8	63.8	95.8

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:10:05 PM



#10

Methyl Iodide

Concen: 17.520 ug/l

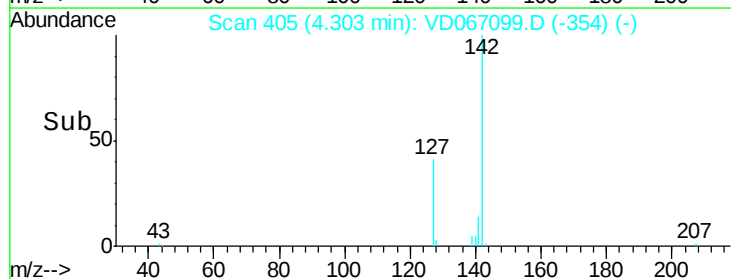
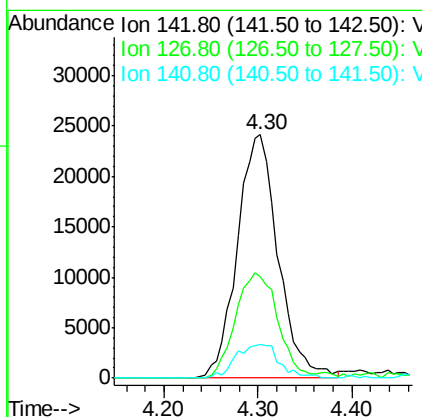
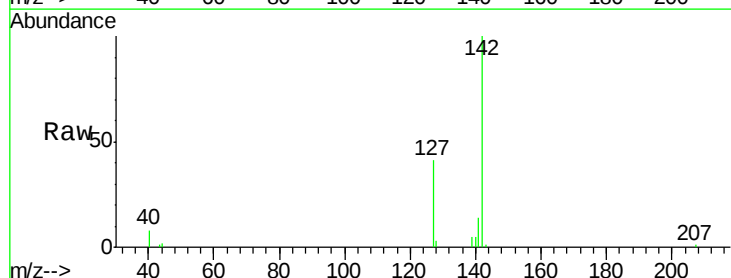
RT: 4.30 min Scan# 405

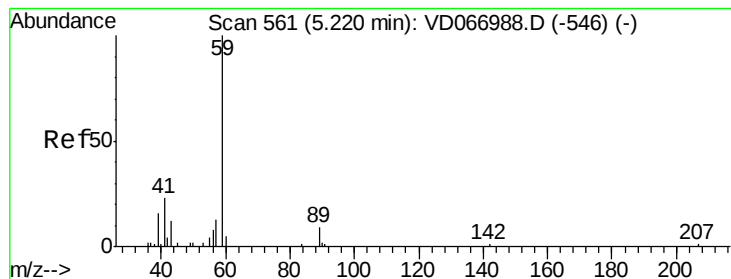
Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Tgt Ion:	142	Resp:	72776
Ion Ratio	Lower	Upper	
142	100		
127	44.7	36.3	54.5
141	14.9	12.0	18.0





#11

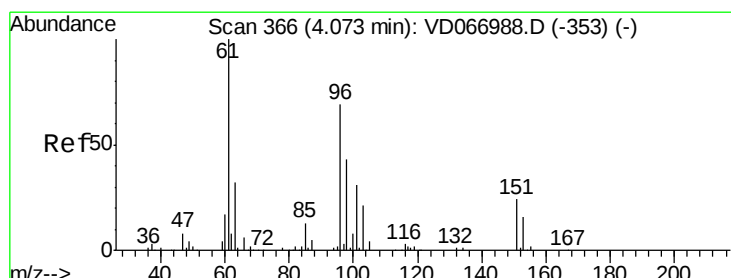
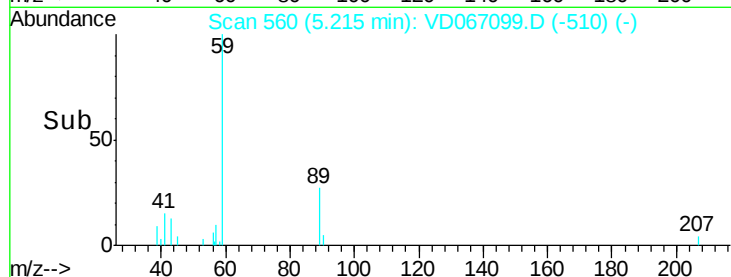
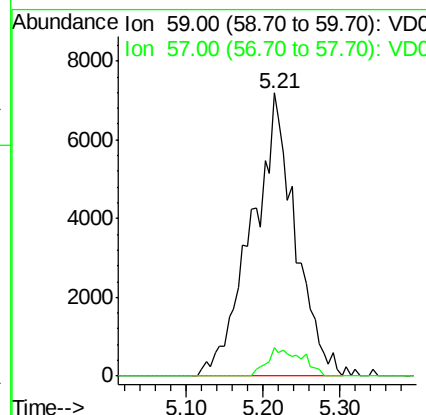
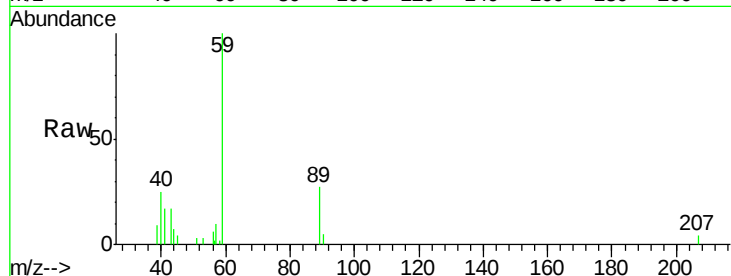
Tert butyl alcohol
Concen: 85.853 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	28339		
57	7.9		8.2	12.4#

Manual Integrations
APPROVED

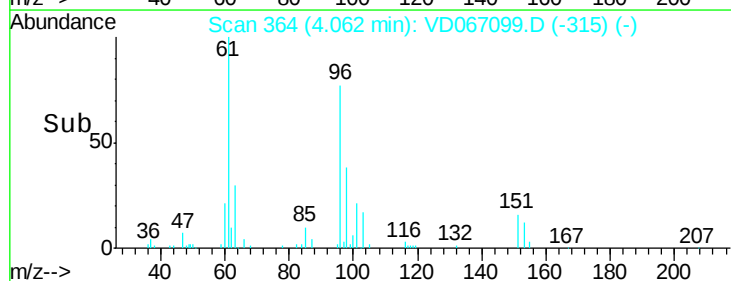
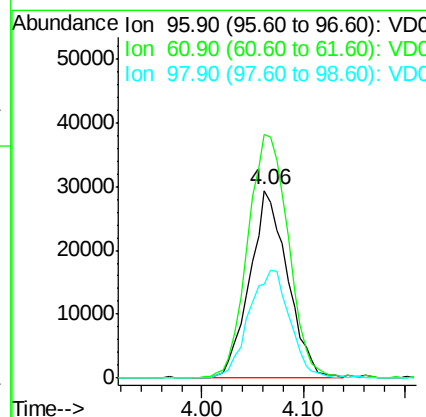
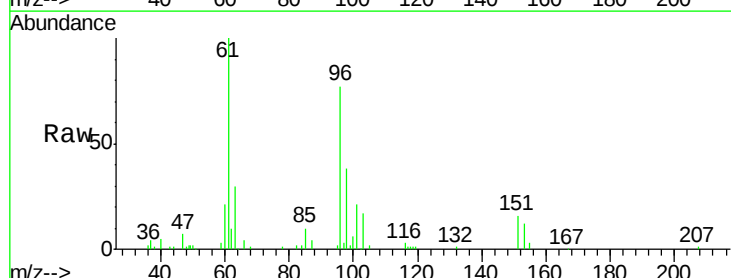
MMDadoda
10/7/2020 12:10:05 PM

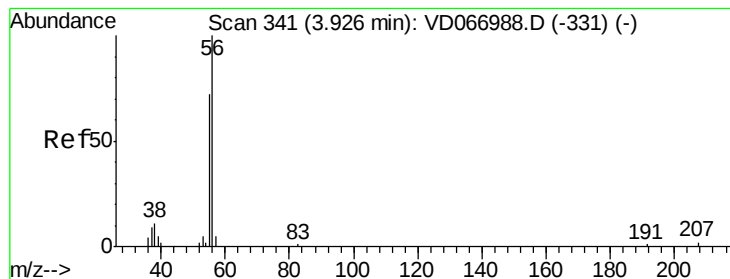


#12

1,1-Dichloroethene
Concen: 18.966 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	76221		
61	129.6		116.4	174.6
98	49.9		49.9	74.9#





#13

Acrolein

Concen: 85.336 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 56 Resp: 23464

Ion Ratio Lower Upper

56 100

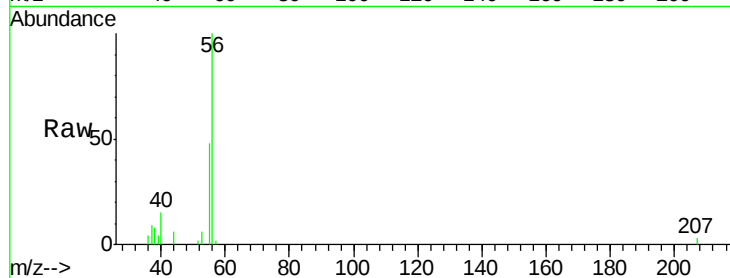
55 64.7 56.9 85.3

Manual Integrations

APPROVED

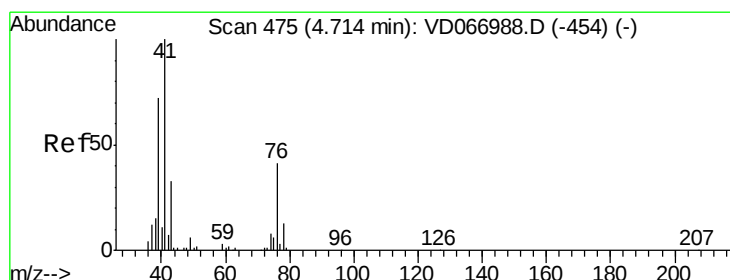
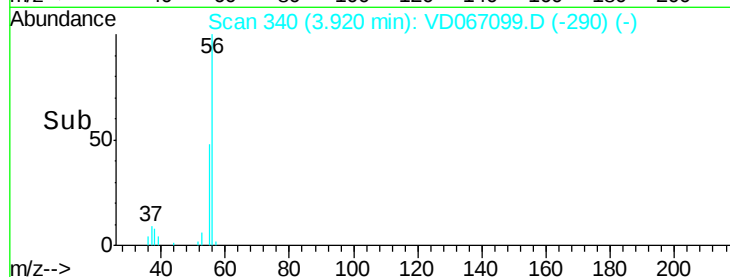
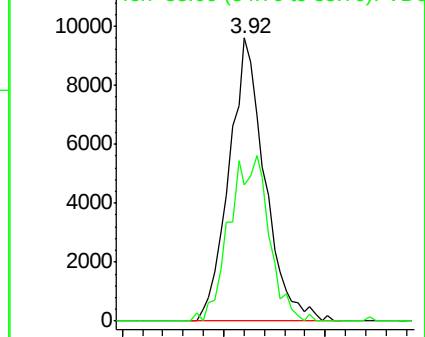
MMDadoda

10/7/2020 12:10:05 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.515 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

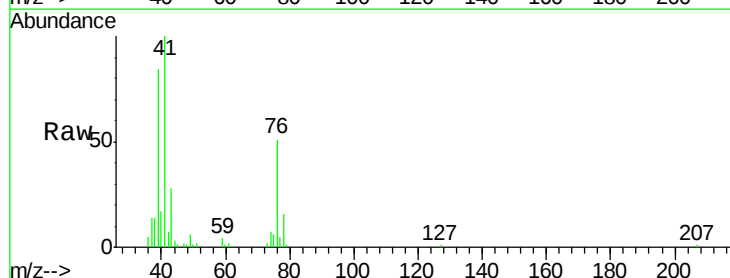
Tgt Ion: 41 Resp: 91444

Ion Ratio Lower Upper

41 100

39 73.9 56.2 84.2

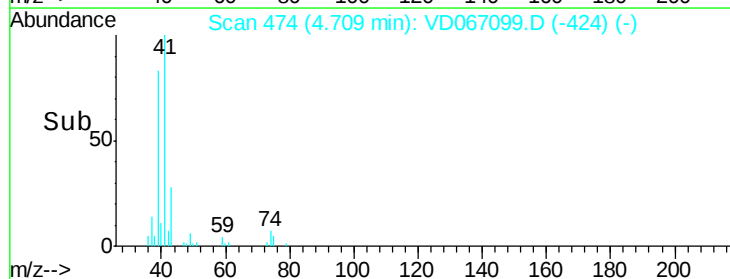
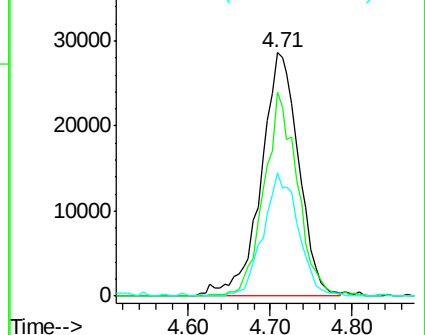
76 46.8 34.2 51.2

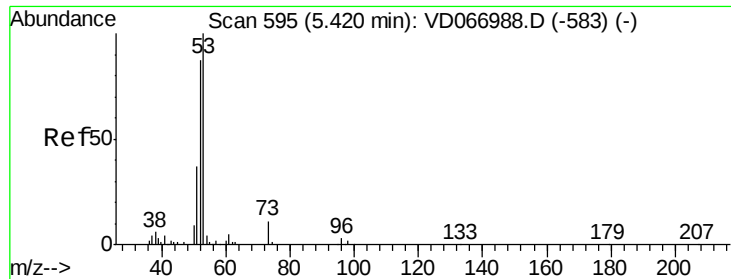


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 85.972 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

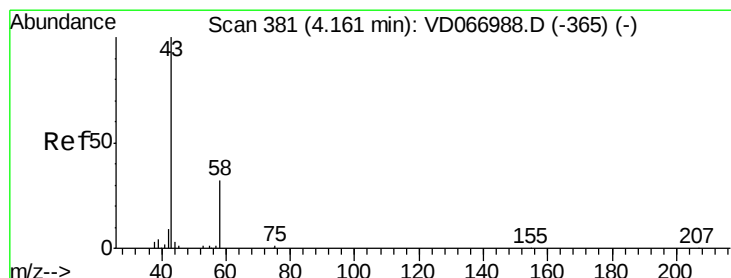
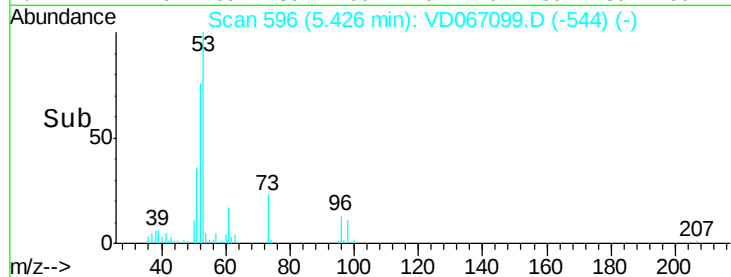
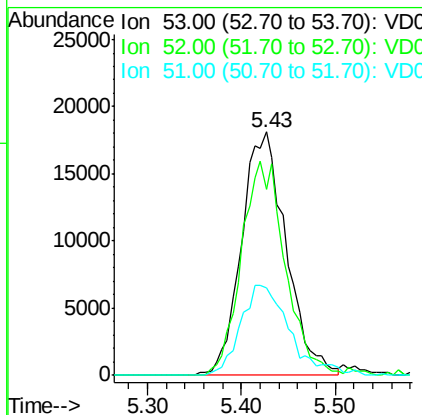
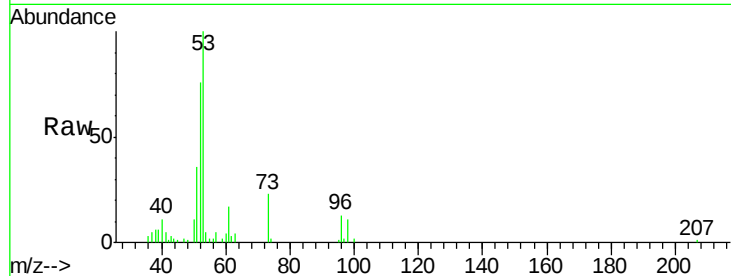
ClientSampleId :

VD1006SBS01

Tot Ion:	53	Resp:	59347
Ion	Ratio	Lower	Upper
53	100		
52	86.9	67.3	100.9
51	38.9	30.2	45.2

Manual Integrations
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MMDadoda
10/7/2020 12:10:05 PM



#16

Acetone

Concen: 95.994 ug/l

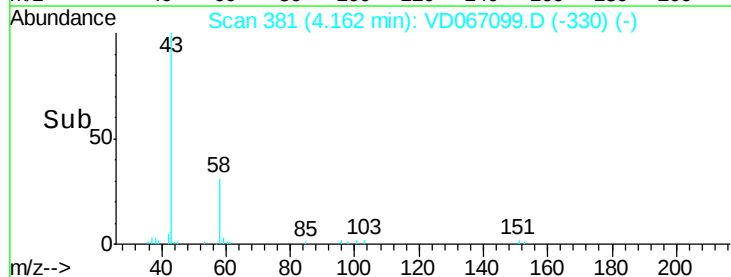
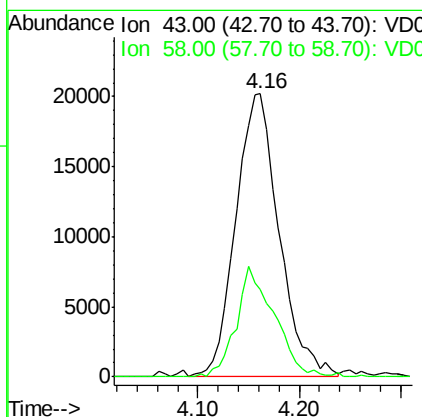
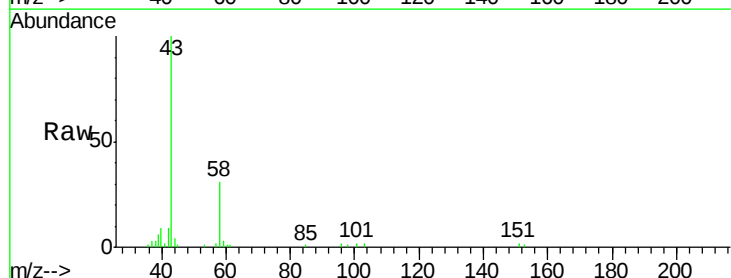
RT: 4.16 min Scan# 381

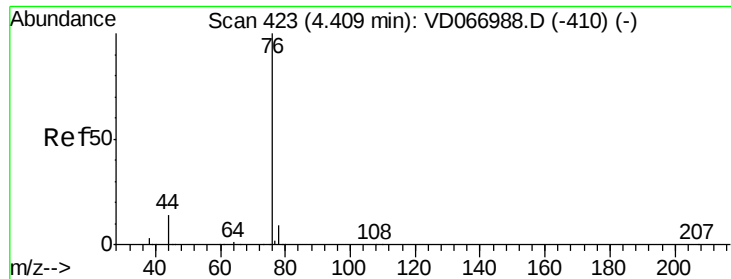
Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Tgt Ion:	43	Resp:	60173
Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.9	38.9





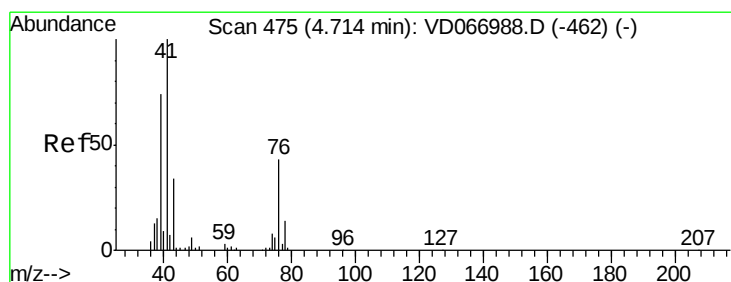
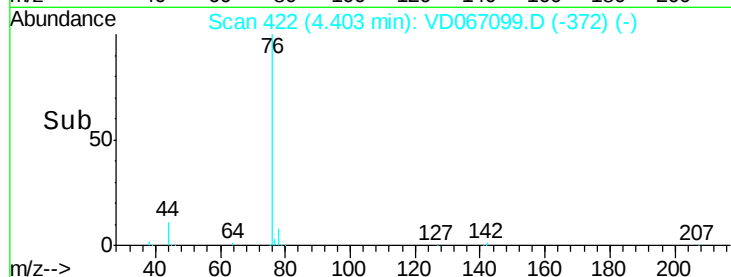
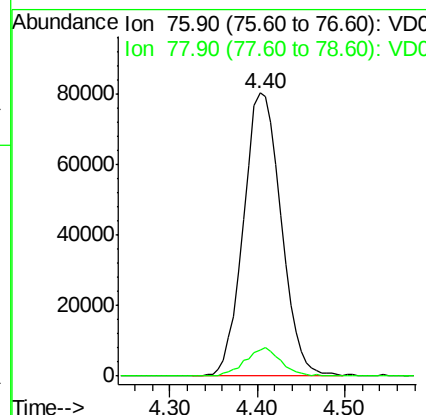
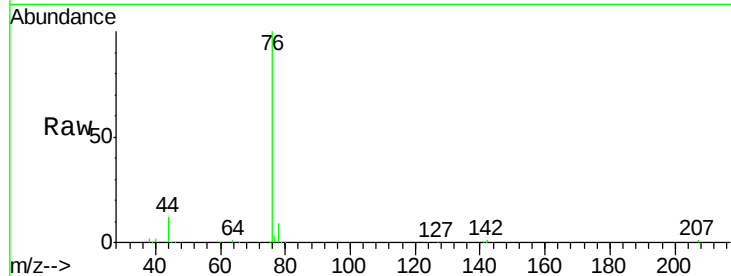
#17
Carbon Disulfide
Concen: 19.025 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3

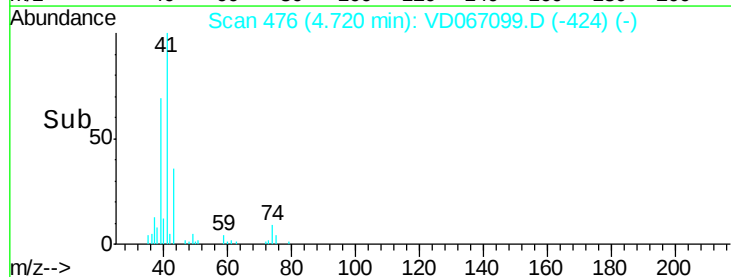
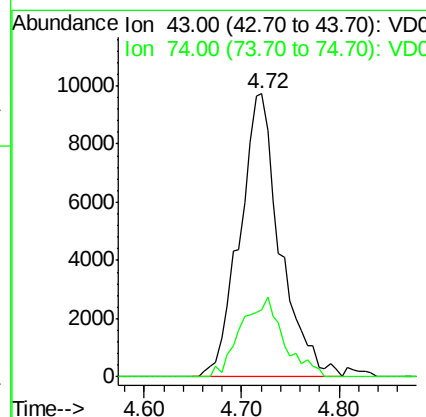
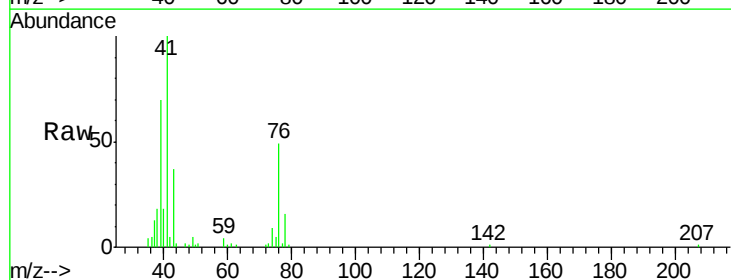
Manual Integrations
APPROVED

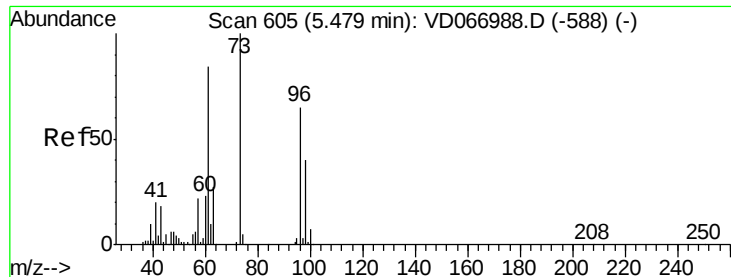
MMDadoda
10/7/2020 12:10:05 PM



#18
Methyl Acetate
Concen: 17.834 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.8	21.5	32.3





#19

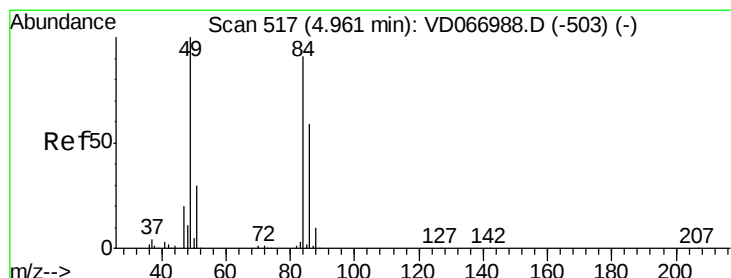
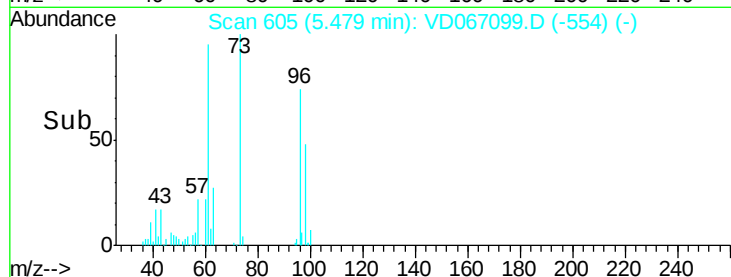
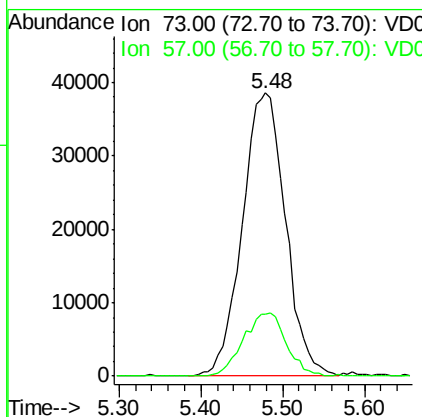
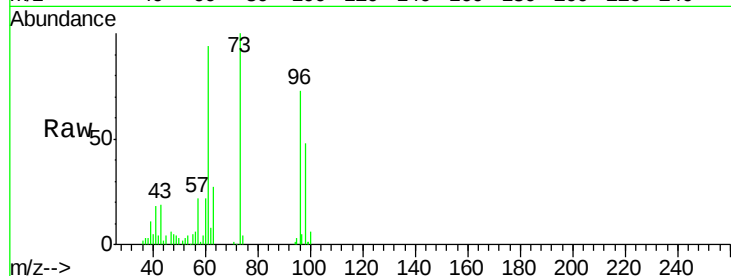
Methyl tert-butyl Ether
 Concen: 19.251 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0

Manual Integrations
 APPROVED

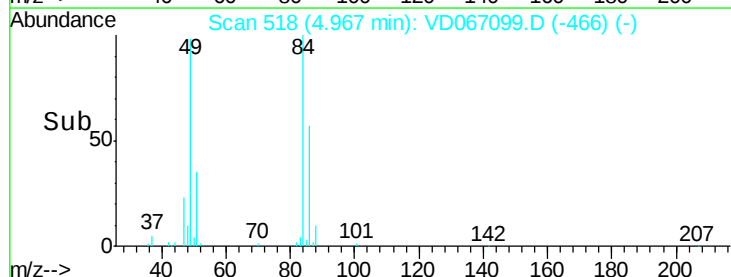
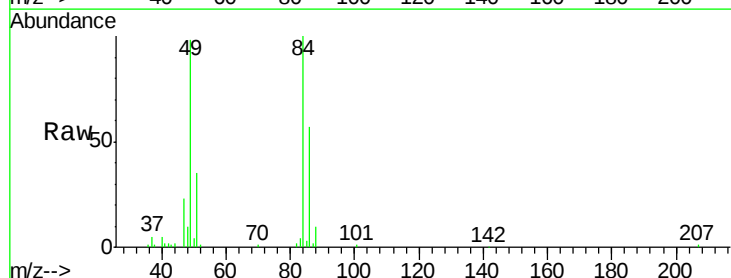
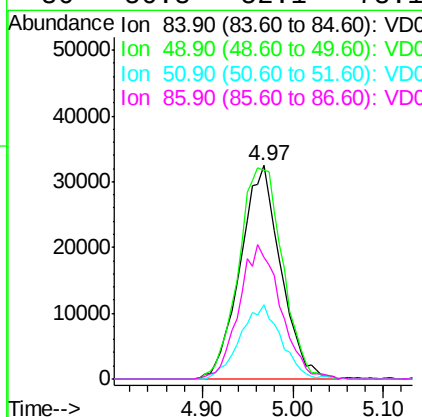
MMDadoda
 10/7/2020 12:10:05 PM

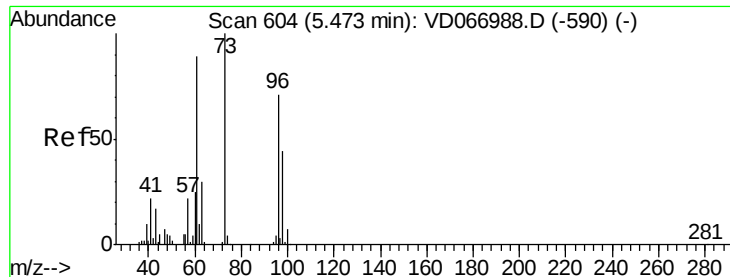


#20

Methylene Chloride
 Concen: 17.917 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	97.7	88.2	132.2
51	34.8	26.6	39.8
86	56.8	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 19.728 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

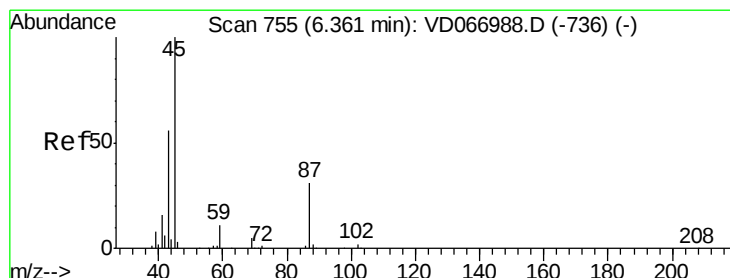
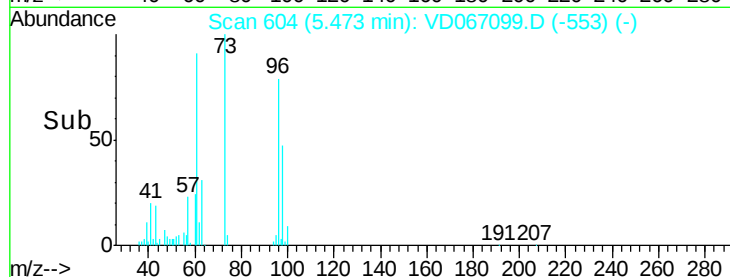
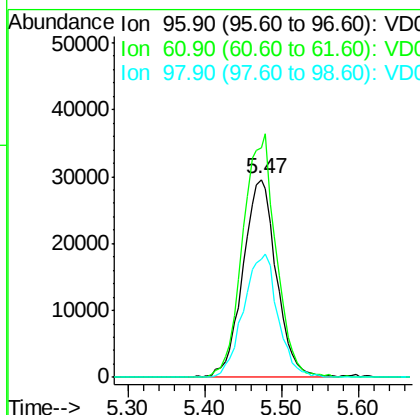
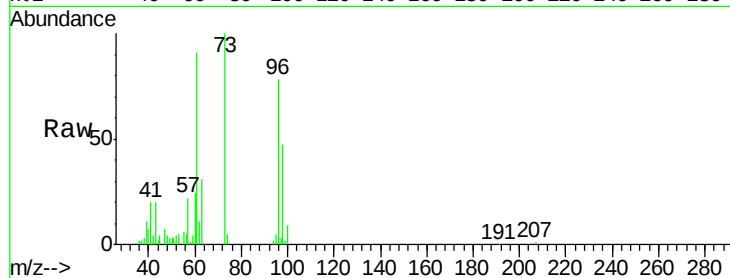
ClientSampleId :

VD1006SBS01

Tot Ion:	96	Resp:	90228
Ion	Ratio	Lower	Upper
96	100		
61	116.2	99.6	149.4
98	59.6	49.4	74.2

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:10:05 PM



#22

Diisopropyl ether

Concen: 18.764 ug/l

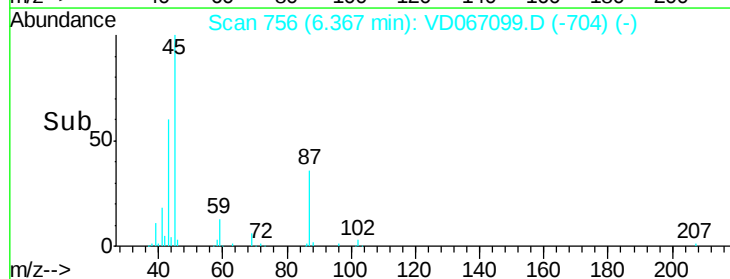
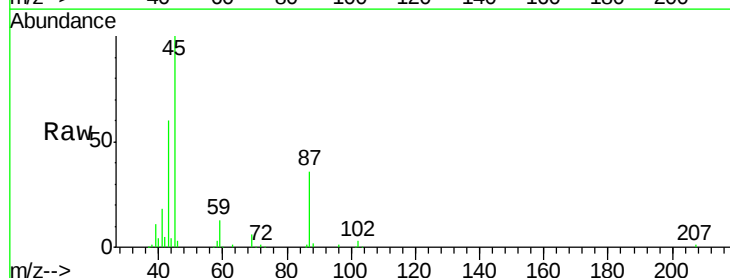
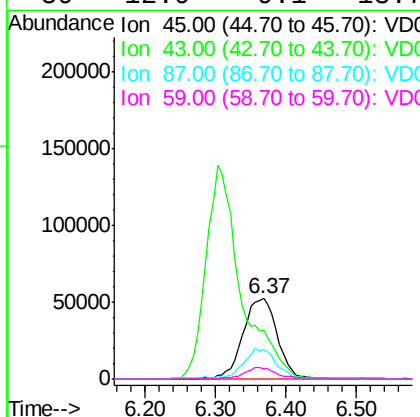
RT: 6.37 min Scan# 755

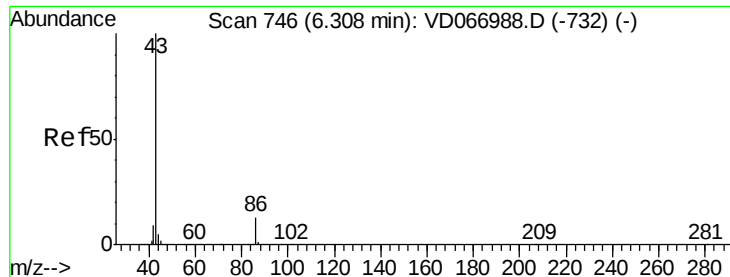
Delta R.T. 0.01 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Tgt Ion:	45	Resp:	178851
Ion	Ratio	Lower	Upper
45	100		
43	57.7	45.2	67.8
87	36.3	25.6	38.4
59	12.9	9.1	13.7





#23

Vinyl Acetate

Concen: 88.993 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 43 Resp: 480661

Ion Ratio Lower Upper

43 100

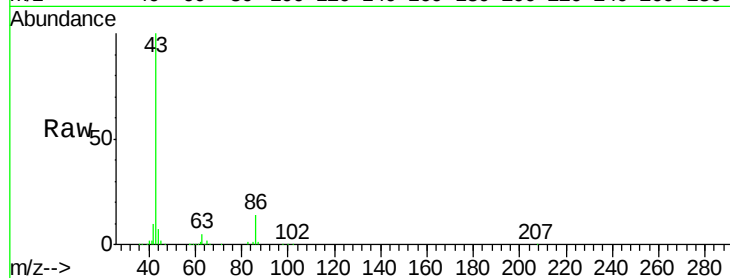
86 13.7 10.2 15.2

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:10:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

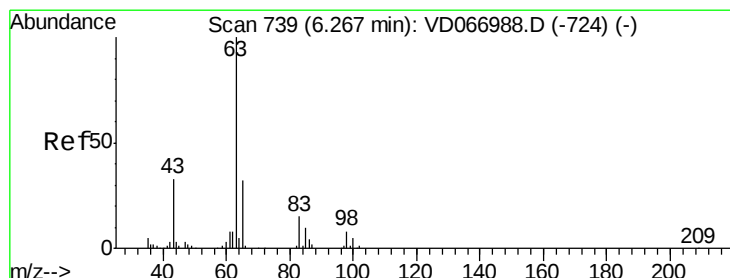
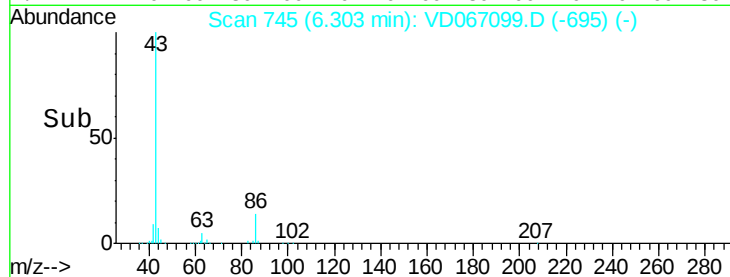
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.915 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

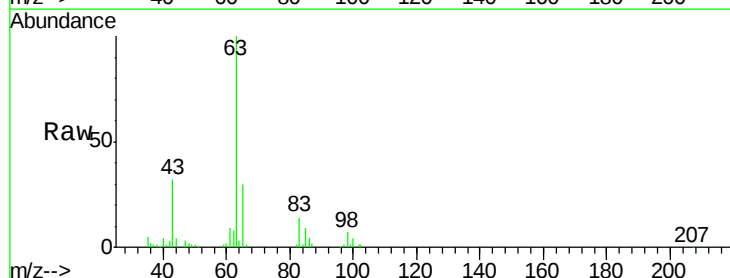
Tgt Ion: 63 Resp: 139136

Ion Ratio Lower Upper

63 100

98 7.3 4.2 12.6

100 4.3 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

60000

50000

40000

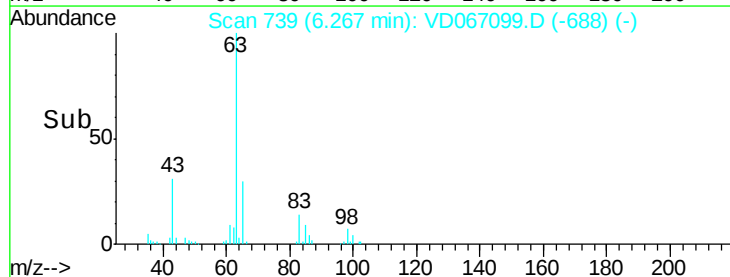
30000

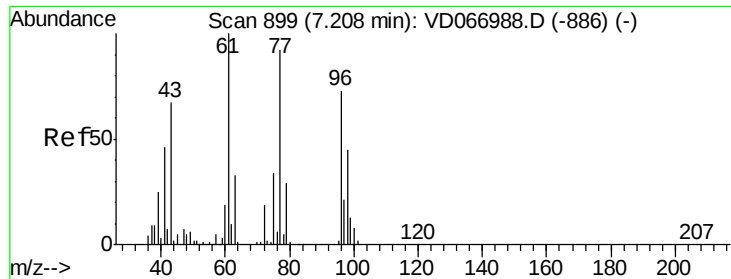
20000

10000

0

Time-->





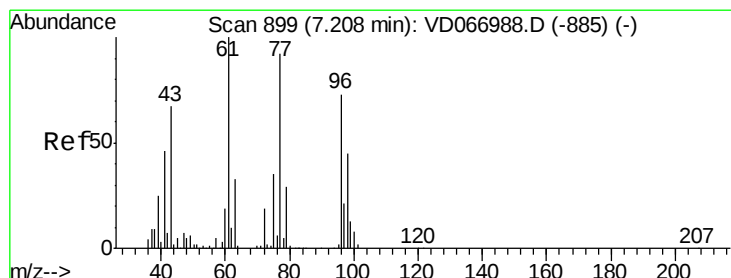
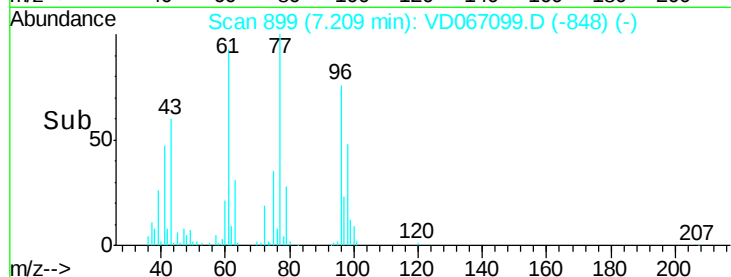
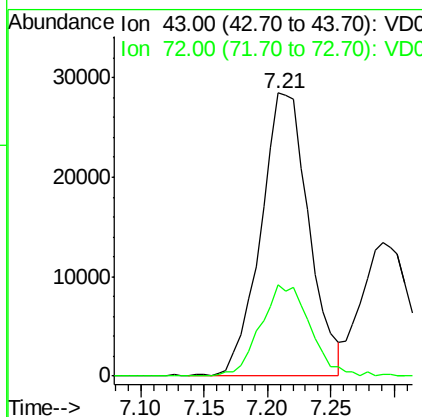
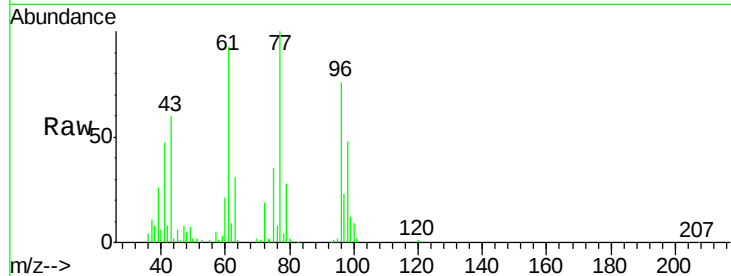
#25
2-Butanone
Concen: 84.727 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion: 43 Resp: 75298
Ion Ratio Lower Upper
43 100
72 32.1 22.8 34.2

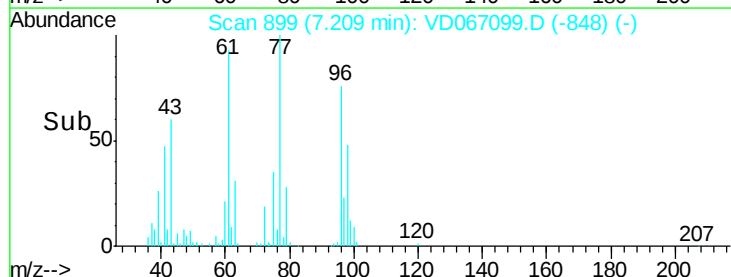
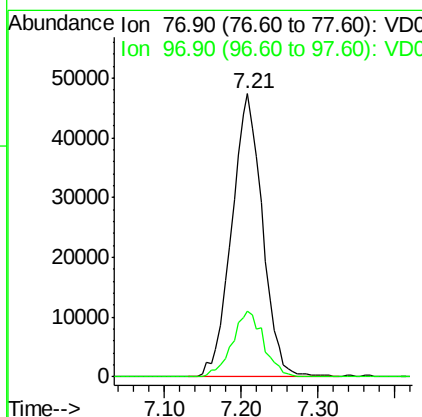
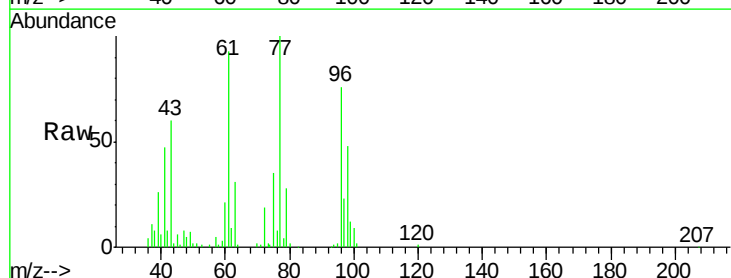
Manual Integrations
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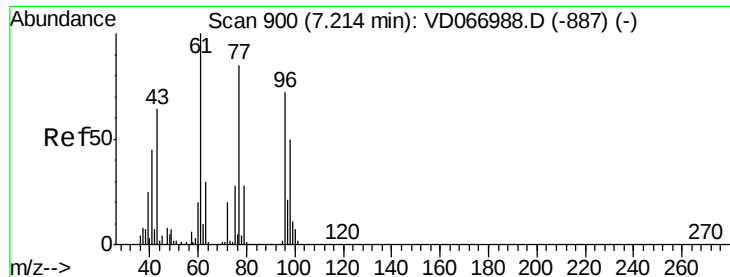
MMDadoda
10/7/2020 12:10:05 PM



#26
2,2-Dichloropropane
Concen: 18.449 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion: 77 Resp: 132419
Ion Ratio Lower Upper
77 100
97 23.6 11.4 34.2





#27

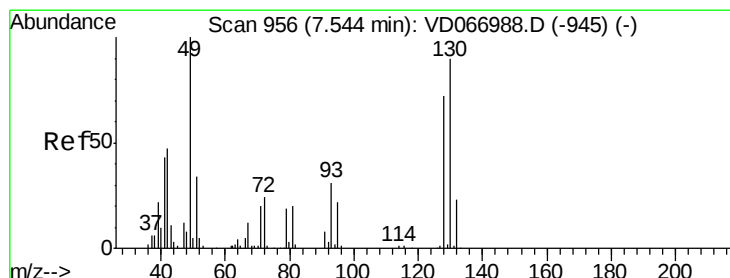
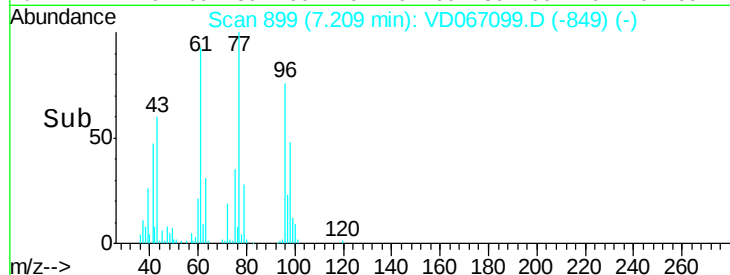
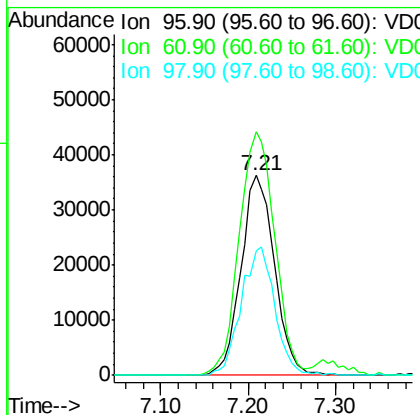
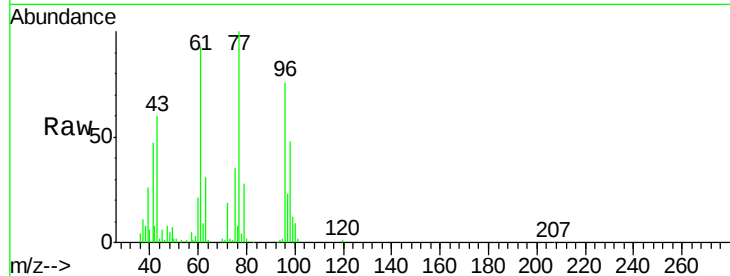
cis-1,2-Dichloroethene
Concen: 19.254 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.5	0.0	269.2
98	64.4	0.0	129.4

Manual Integrations
APPROVED

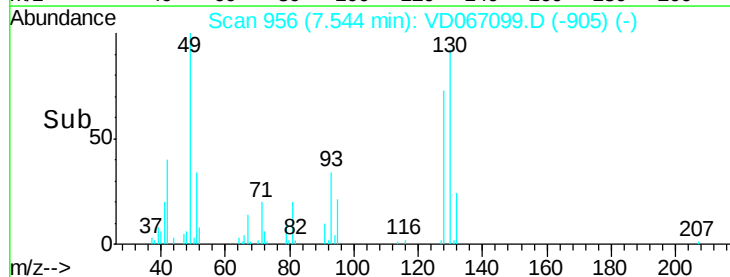
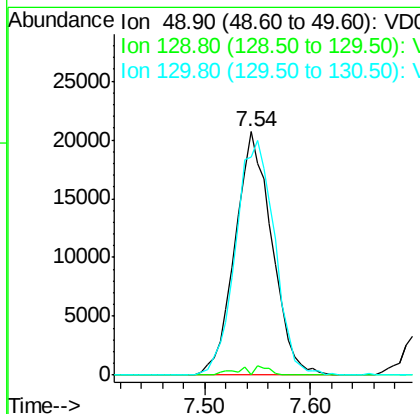
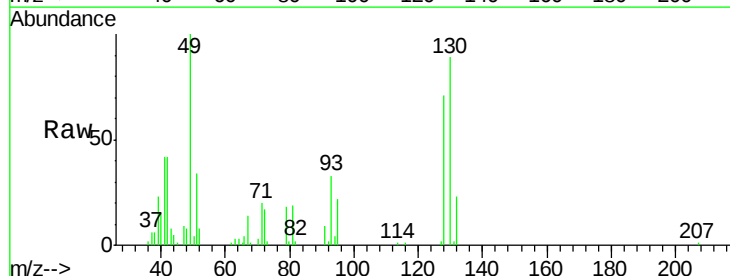
MMDadoda
10/7/2020 12:10:05 PM

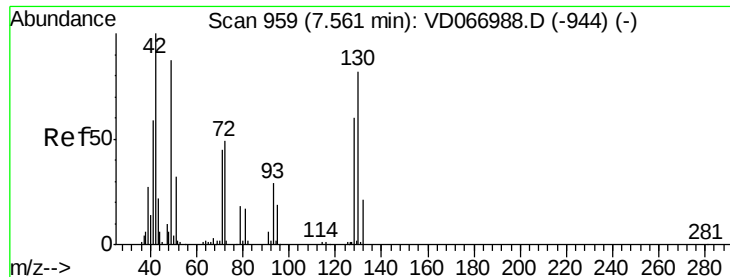


#28

Bromochloromethane
Concen: 17.652 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.6
130	101.7	74.1	111.1





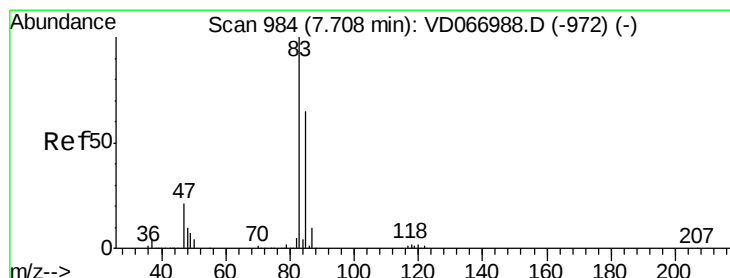
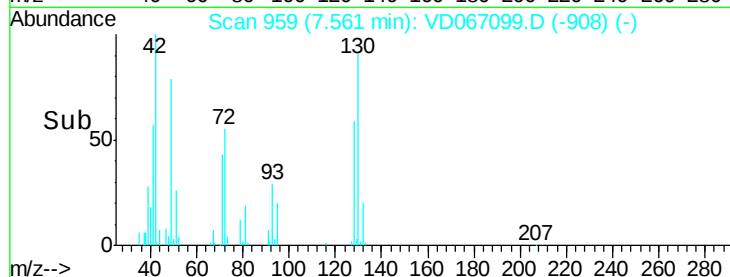
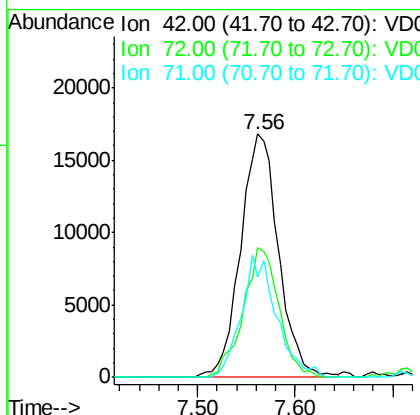
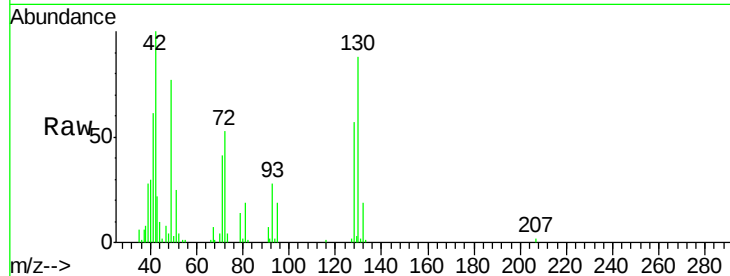
#29
Tetrahydrofuran
Concen: 89.420 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.3	39.1	58.7
71	46.3	34.2	51.4

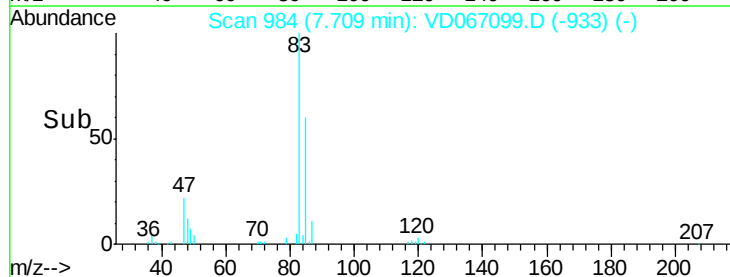
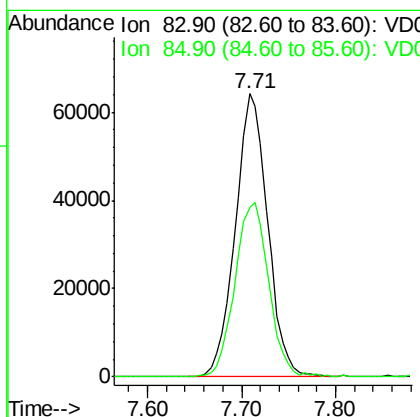
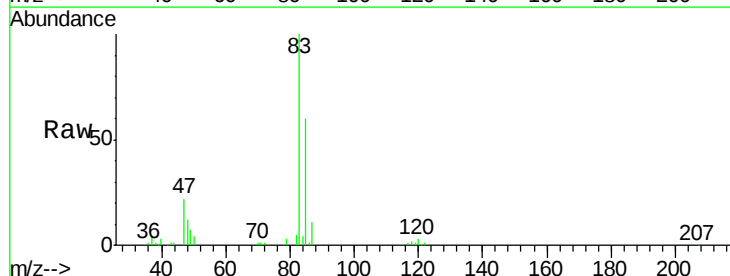
Manual Integrations
APPROVED

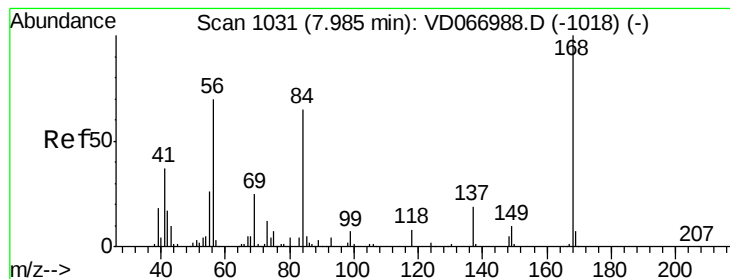
MMDadoda
10/7/2020 12:10:05 PM



#30
Chloroform
Concen: 19.185 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.9	52.3	78.5





#31

Cyclohexane

Concen: 18.027 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

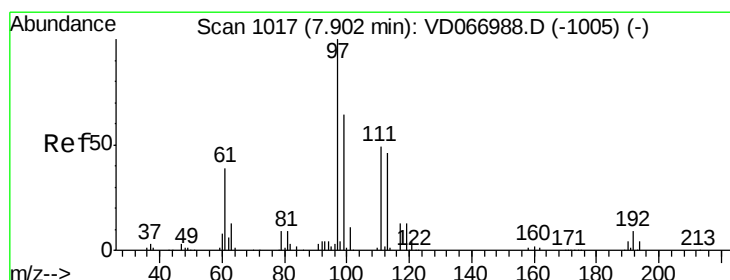
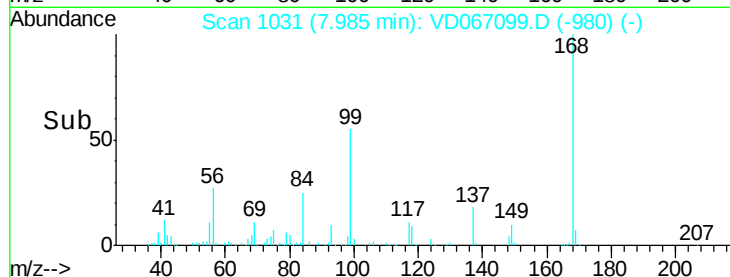
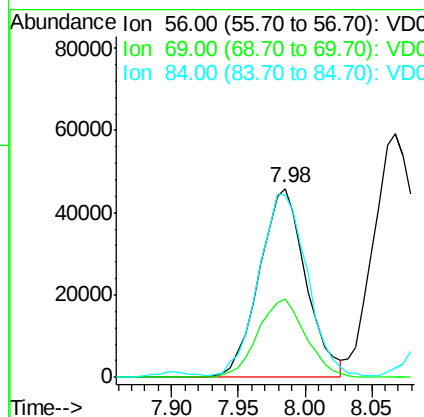
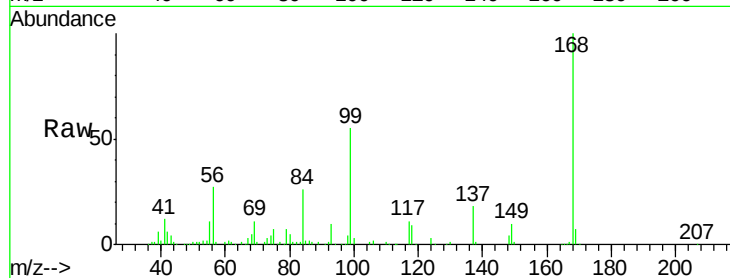
ClientSampleId :

VD1006SBS01

Tot Ion:	56	Resp:	111171
Ion Ratio	Lower	Upper	
56	100		
69	40.7	29.0	43.6
84	95.4	74.2	111.2

Manual Integrations
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10/7/2020 12:10:05 PM



#32

1,1,1-Trichloroethane

Concen: 19.501 ug/l

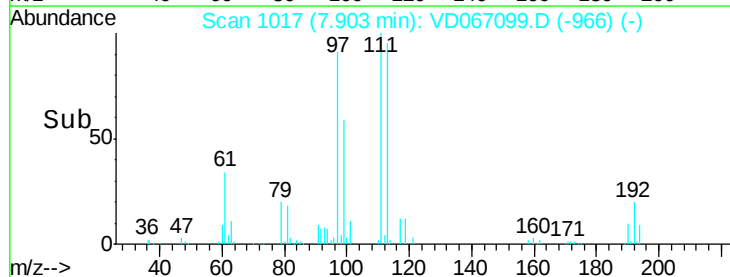
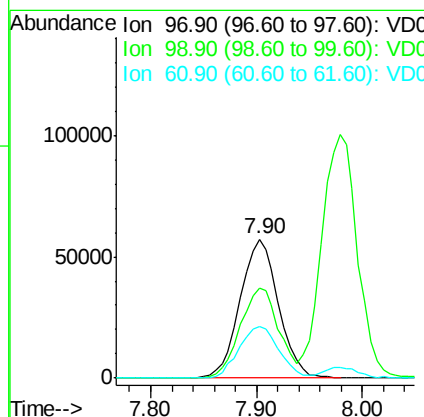
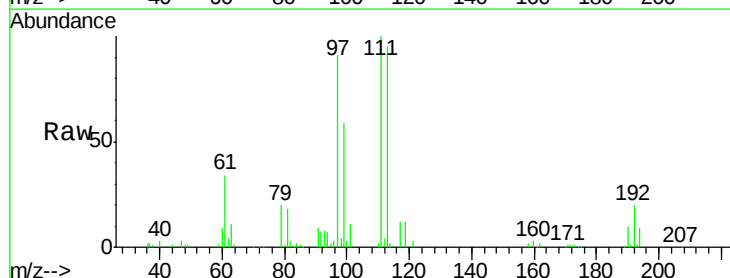
RT: 7.90 min Scan# 1017

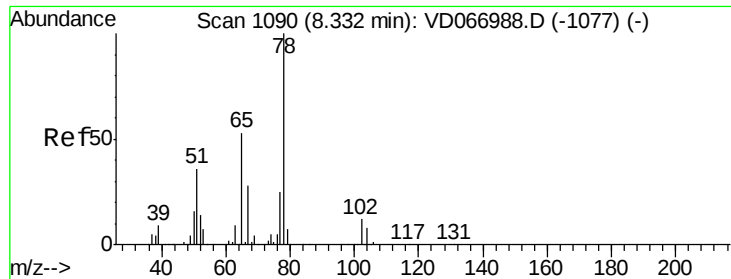
Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Tgt Ion:	97	Resp:	144215
Ion Ratio	Lower	Upper	
97	100		
99	65.4	52.6	78.8
61	39.1	32.8	49.2





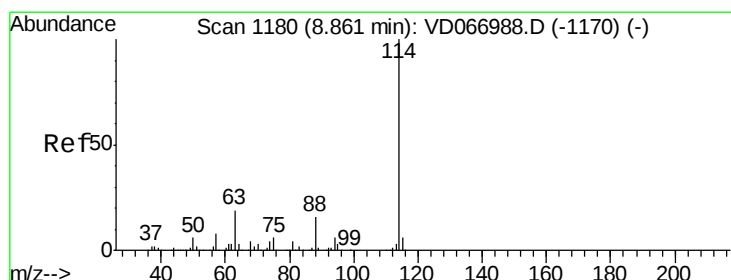
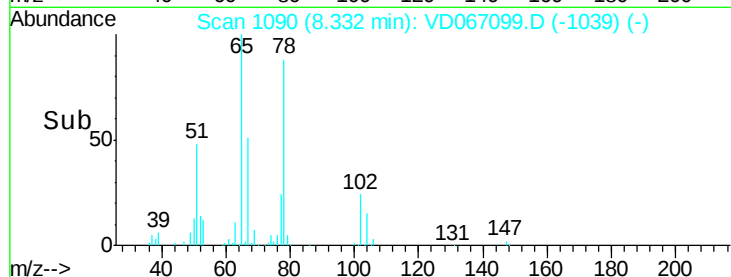
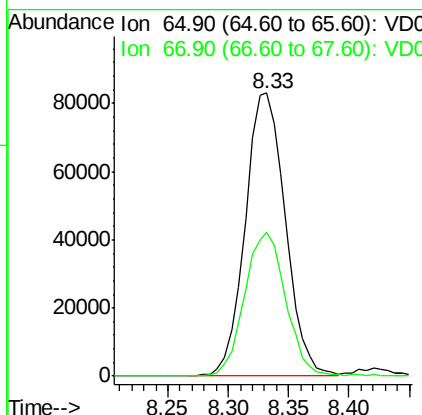
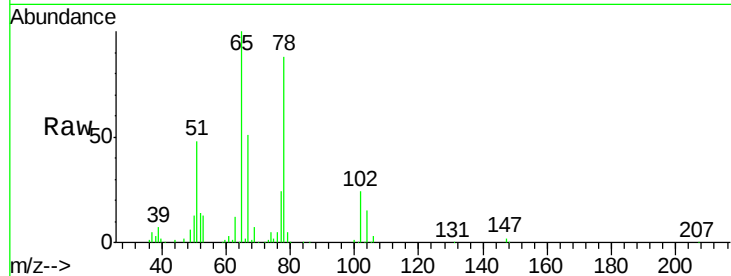
#33
 1,2-Dichloroethane-d4
 Concen: 46.776 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	192078		
67	52.1	0.0	106.8	

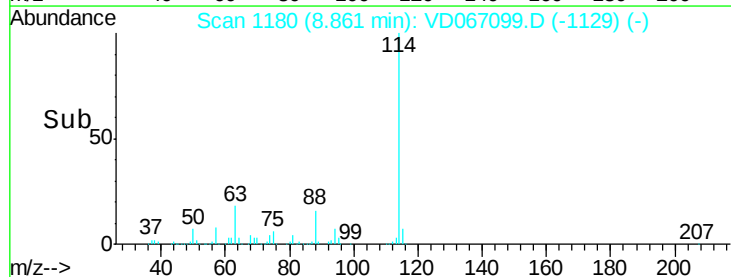
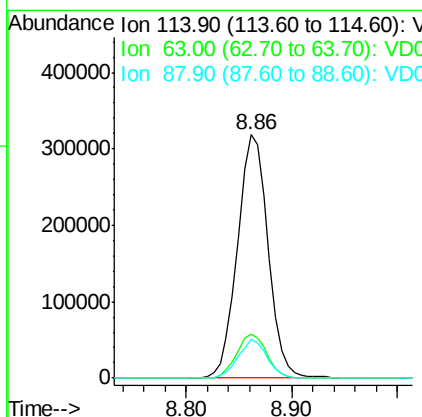
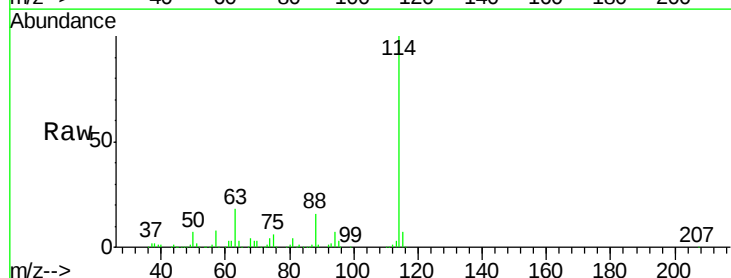
Manual Integrations
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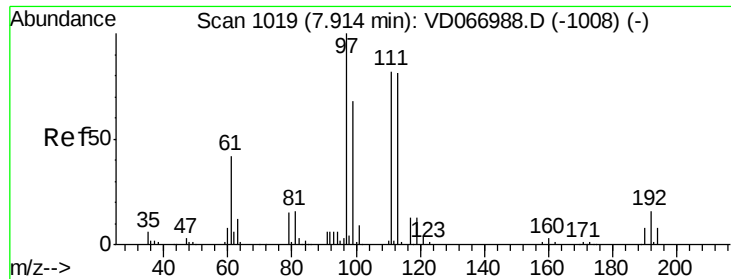
MMDadoda
 10/7/2020 12:10:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	640145		
63	18.0	0.0	38.4	
88	16.1	0.0	31.2	





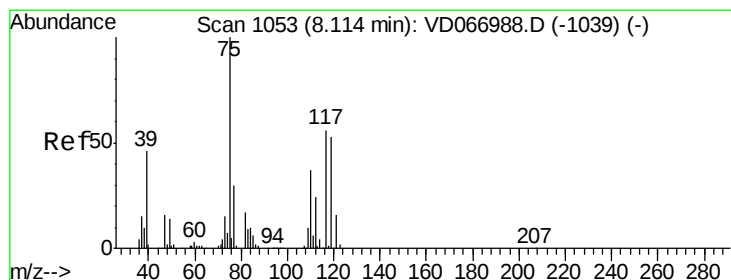
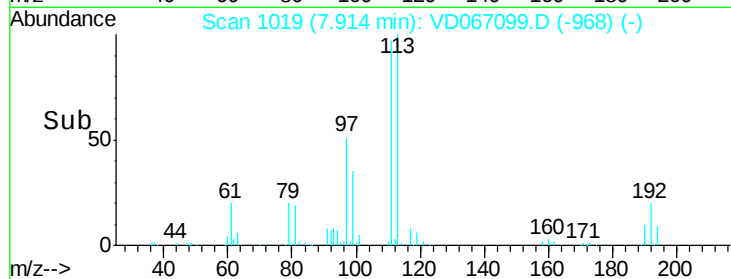
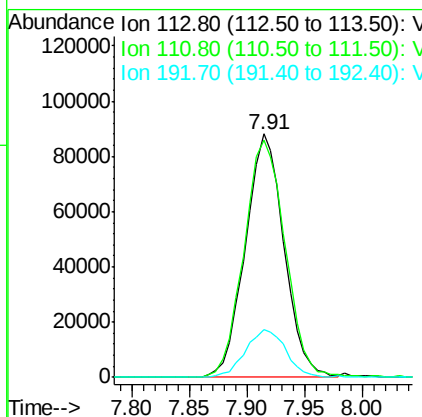
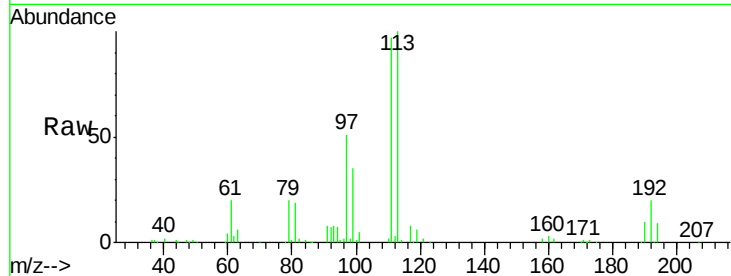
#35
Dibromofluoromethane
Concen: 49.214 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	206251		
111	104.0		83.0	124.4
192	20.5		15.5	23.3

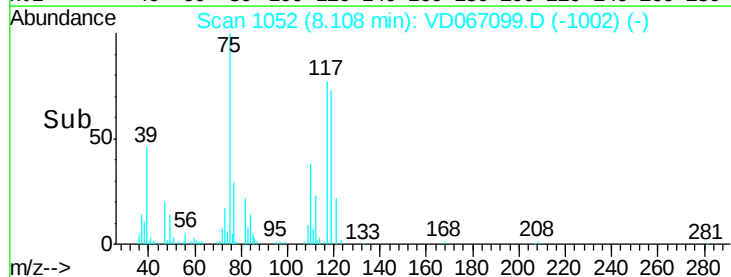
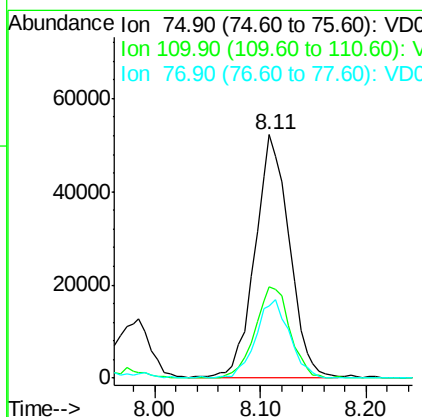
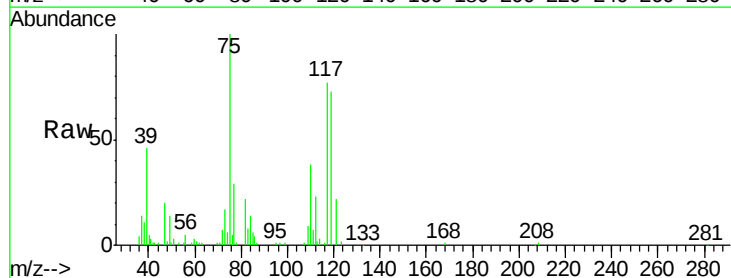
Manual Integrations
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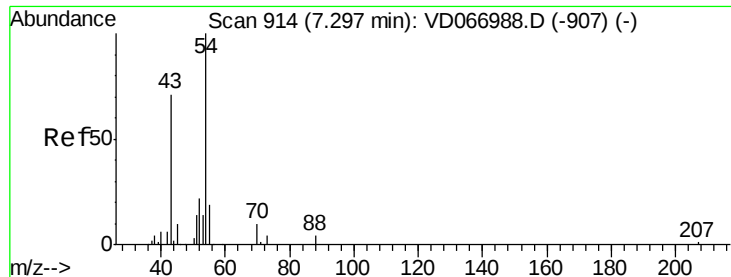
MMDadoda
10/7/2020 12:10:05 PM



#36
1,1-Dichloropropene
Concen: 19.842 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	118394		
110	38.1		18.4	55.0
77	31.7		24.8	37.2





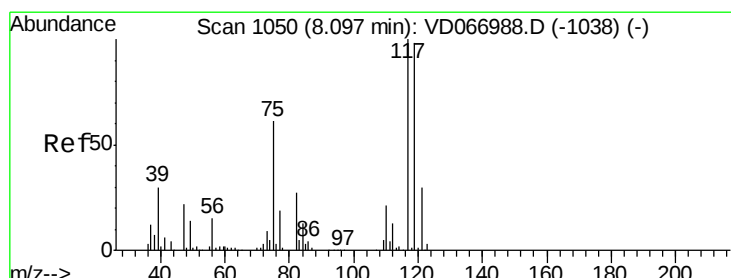
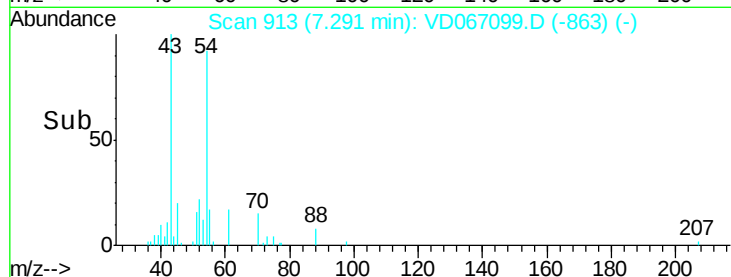
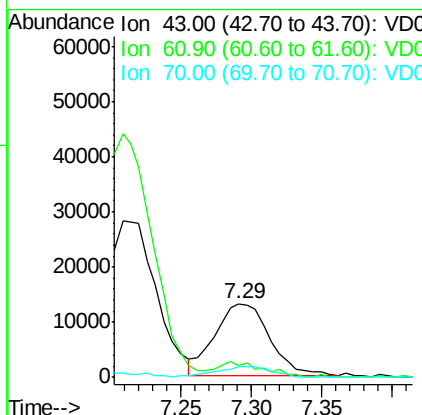
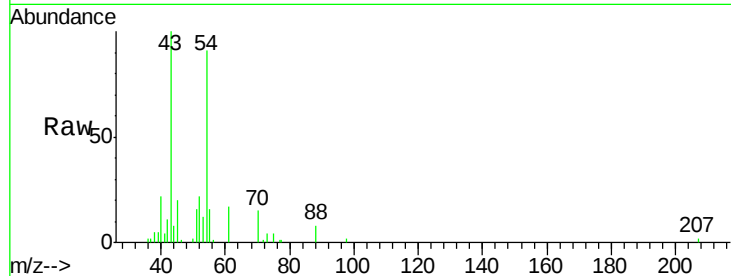
#37
Ethyl Acetate
Concen: 17.100 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	12.5	18.7
70	15.0	9.4	14.0

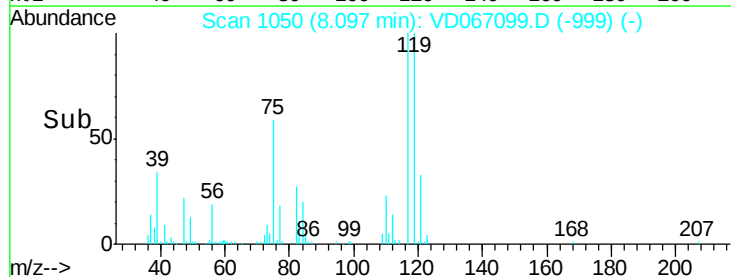
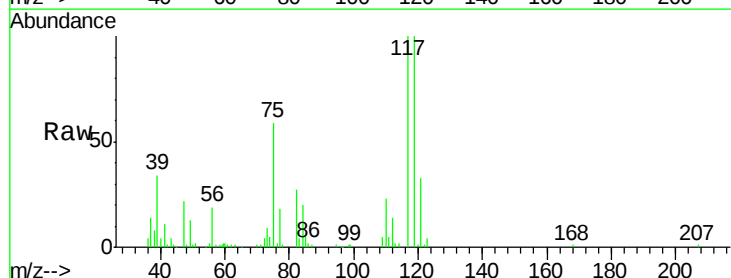
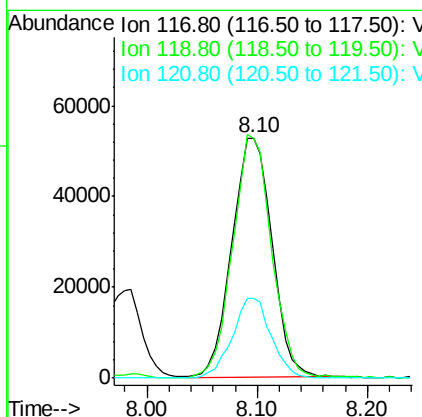
Manual Integrations
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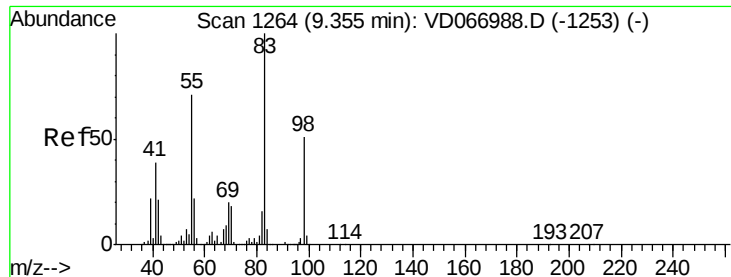
MMDadoda
10/7/2020 12:10:05 PM



#38
Carbon Tetrachloride
Concen: 20.827 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	78.7	118.1
121	33.4	24.2	36.2





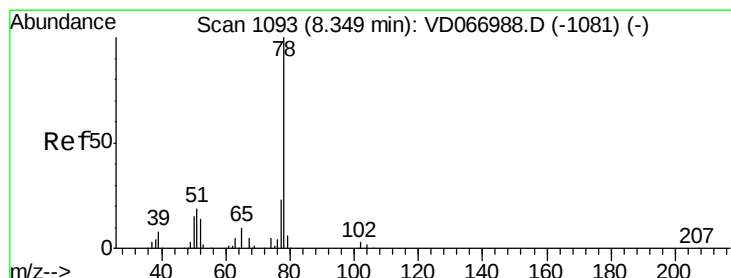
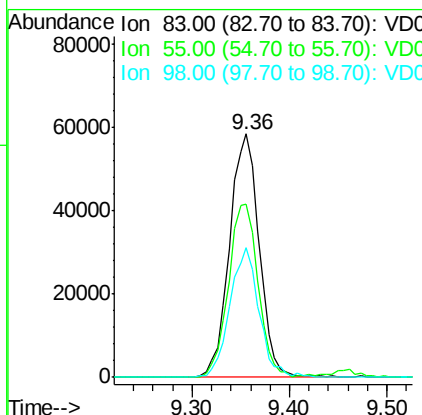
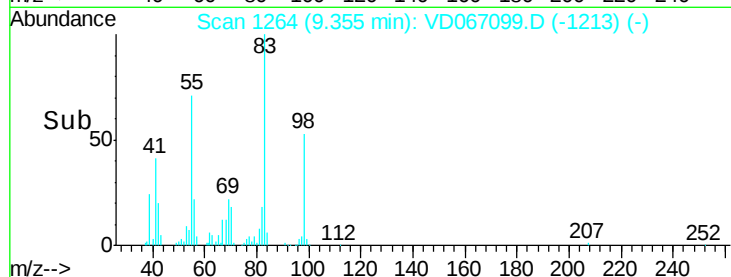
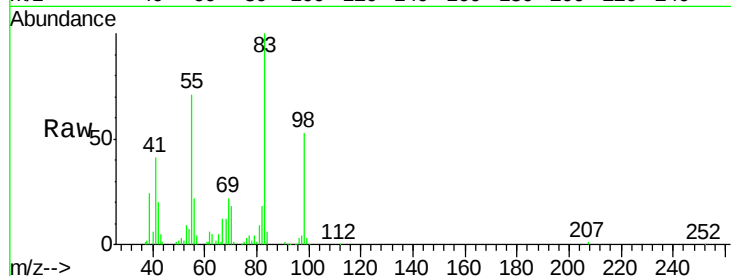
#39
Methvlcvclohexane
Concen: 19.571 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.3	57.1	85.7
98	53.0	40.9	61.3

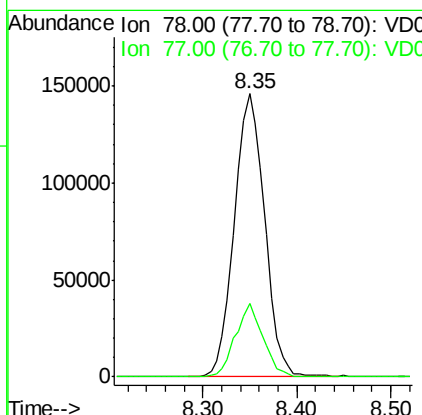
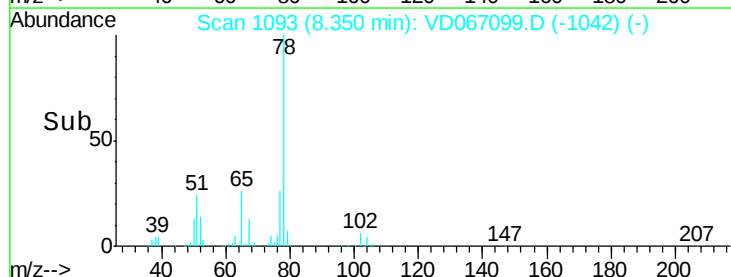
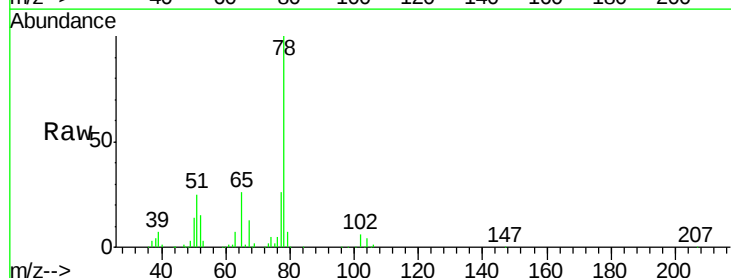
Manual Integrations
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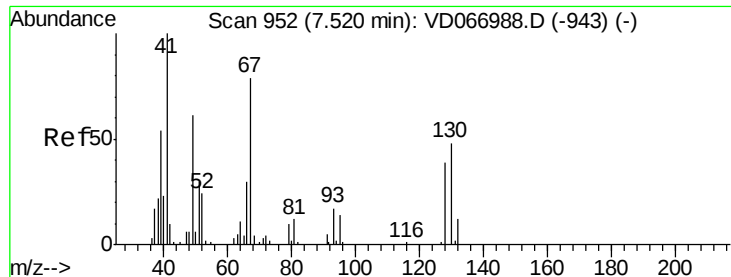
MMDadoda
10/7/2020 12:10:05 PM



#40
Benzene
Concen: 19.773 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	18.4	27.6





#41

Methacrylonitrile

Concen: 19.327 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 41 Resp: 21583

Ion Ratio Lower Upper

41 100

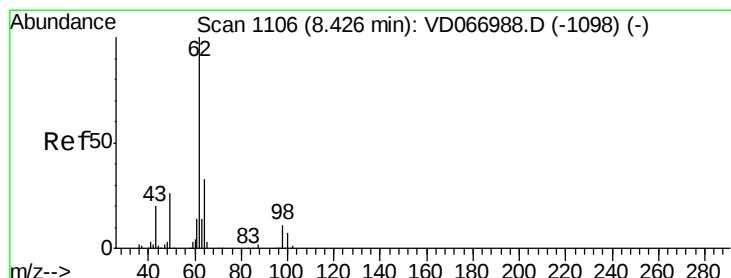
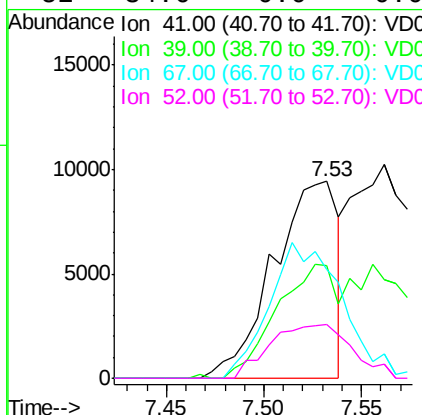
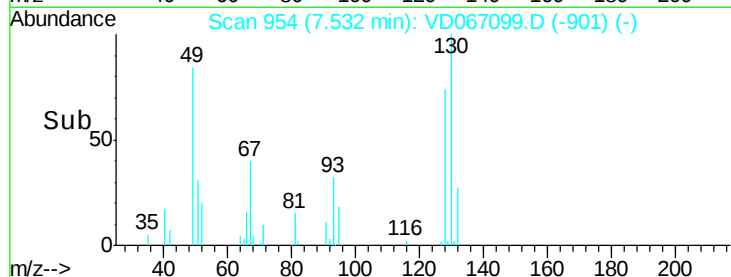
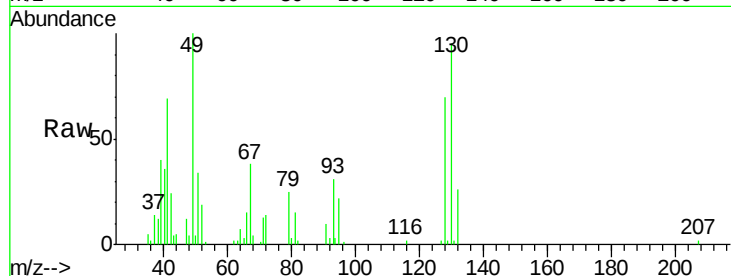
39 53.5 0.0 0.0#

67 77.9 0.0 0.0#

52 34.6 0.0 0.0#

Manual Integrations
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10/7/2020 12:10:05 PM



#42

1,2-Dichloroethane

Concen: 19.618 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067099.D

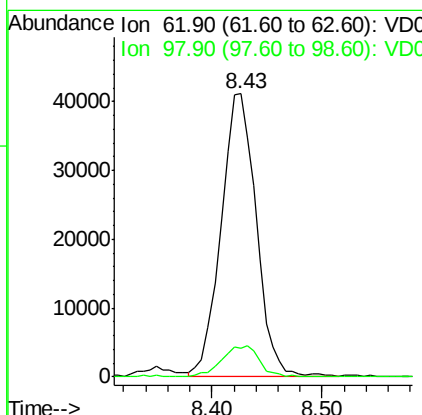
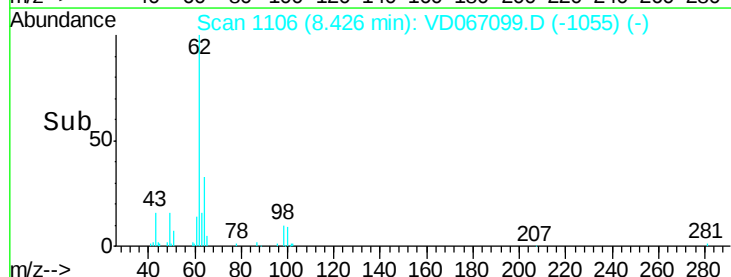
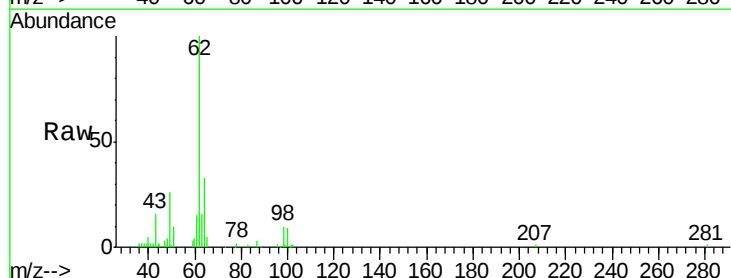
Acq: 06 Oct 2020 11:16

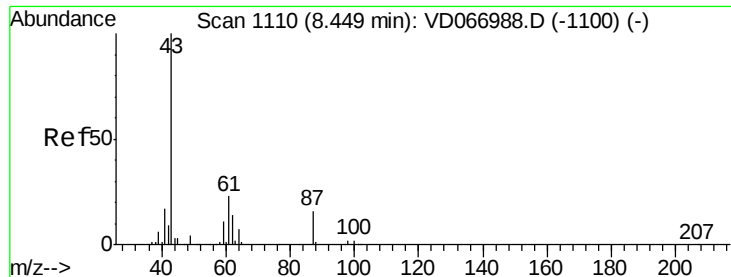
Tgt Ion: 62 Resp: 90854

Ion Ratio Lower Upper

62 100

98 11.6 0.0 22.6





#43

Isopropyl Acetate

Concen: 17.945 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

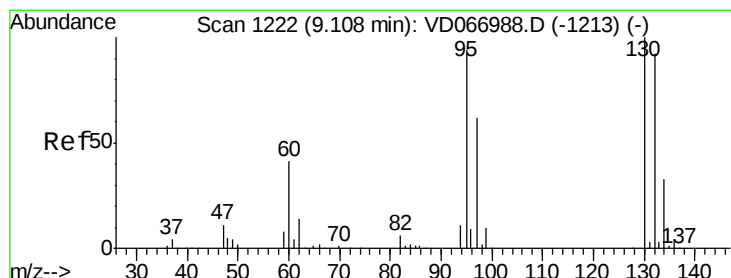
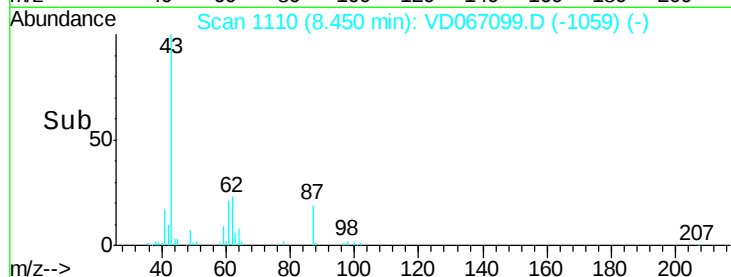
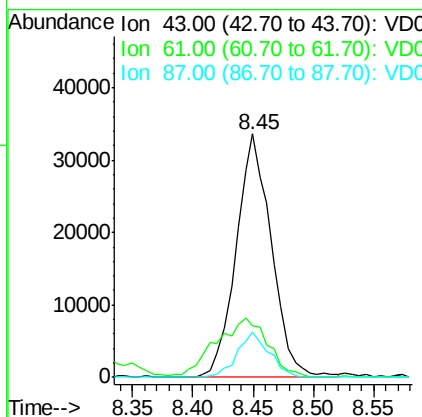
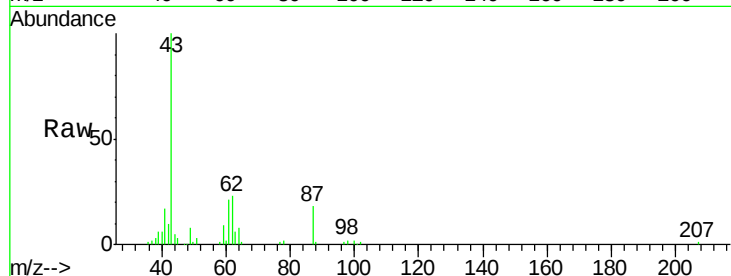
ClientSampleId :

VD1006SBS01

Tot Ion:	43	Resp:	68335
Ion	Ratio	Lower	Upper
43	100		
61	35.9	27.1	40.7
87	16.8	12.3	18.5

Manual Integrations
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#44

Trichloroethene

Concen: 20.344 ug/l

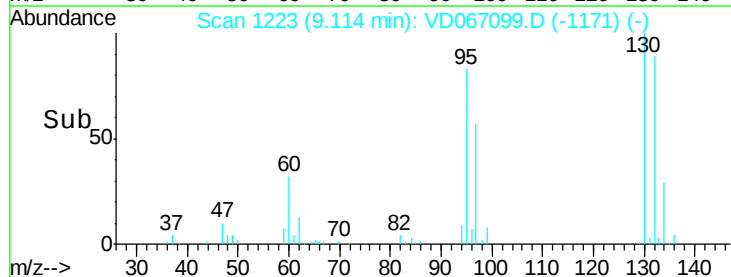
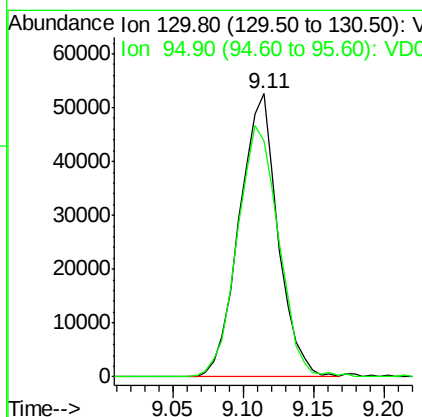
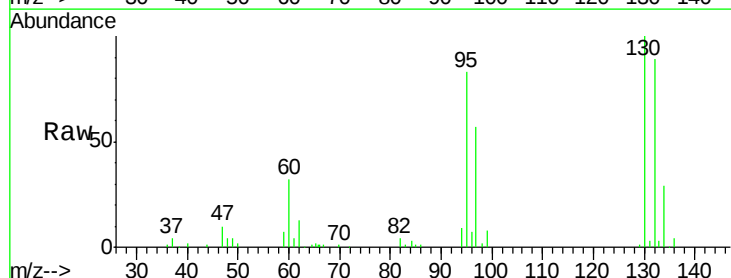
RT: 9.11 min Scan# 1223

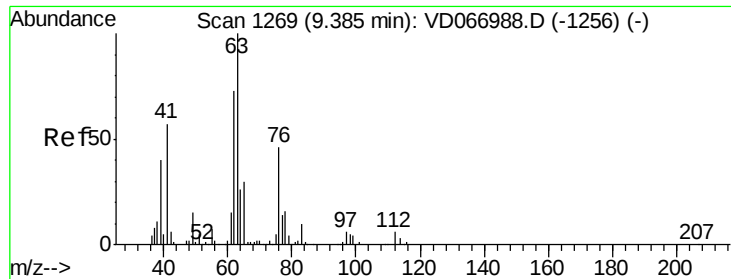
Delta R.T. 0.01 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Tgt Ion:	130	Resp:	100680
Ion	Ratio	Lower	Upper
130	100		
95	83.3	0.0	187.8





#45

1,2-Dichloropropane

Concen: 20.283 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 63 Resp: 78984

Ion Ratio Lower Upper

63 100

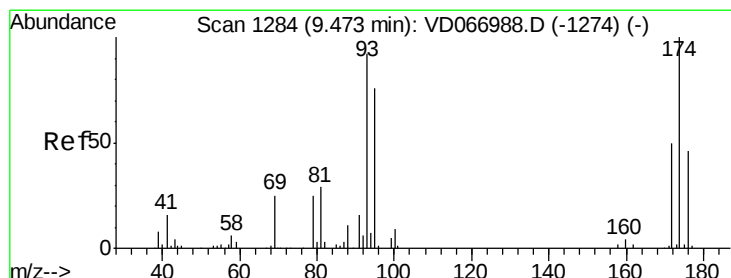
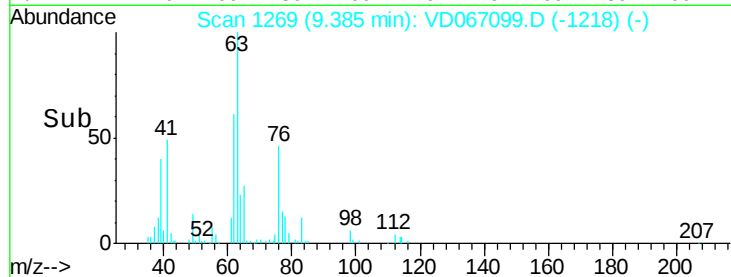
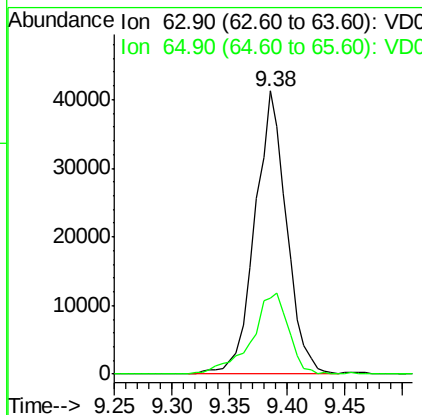
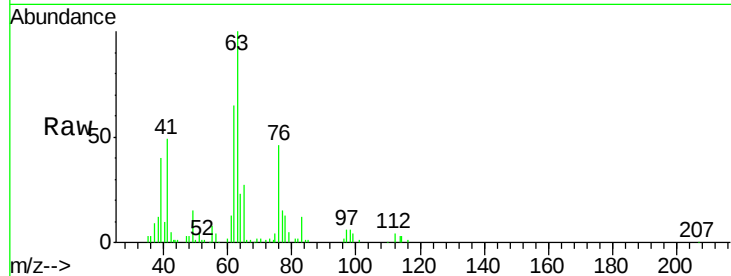
65 27.0 23.7 35.5

Manual Integrations

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#46

Dibromomethane

Concen: 20.164 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

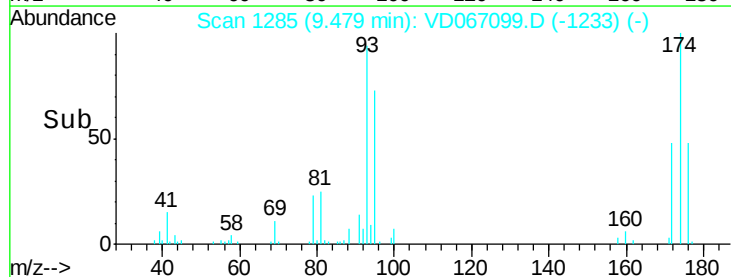
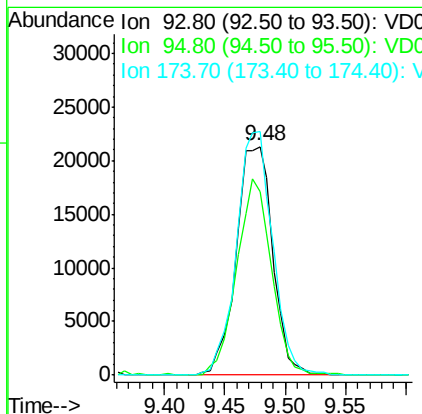
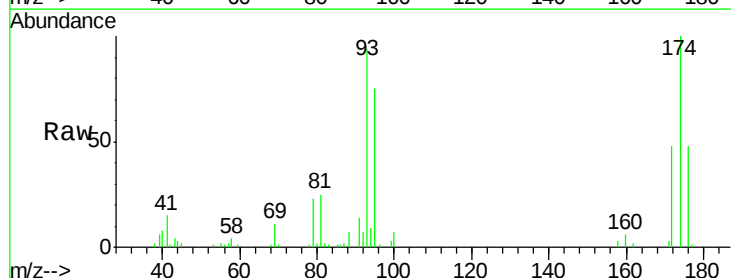
Tgt Ion: 93 Resp: 45129

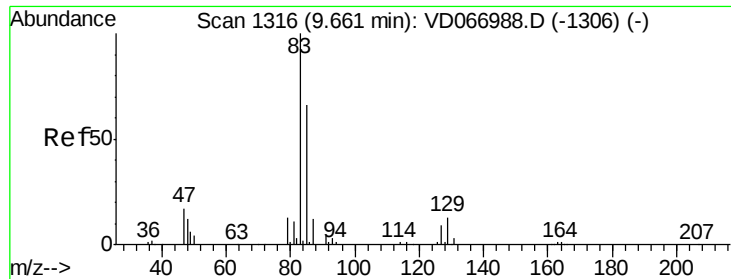
Ion Ratio Lower Upper

93 100

95 81.6 64.7 97.1

174 105.1 81.4 122.2





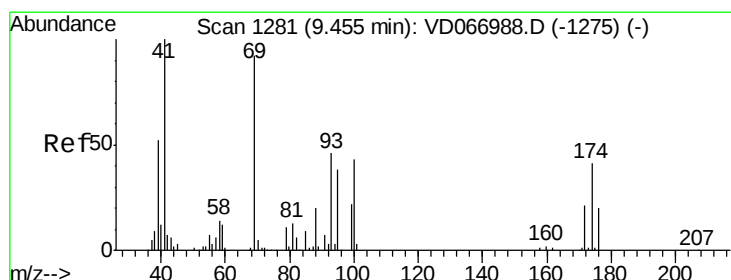
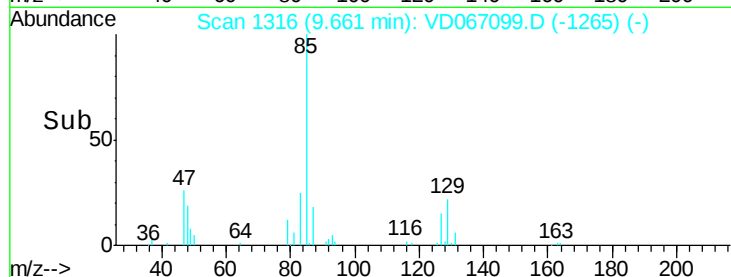
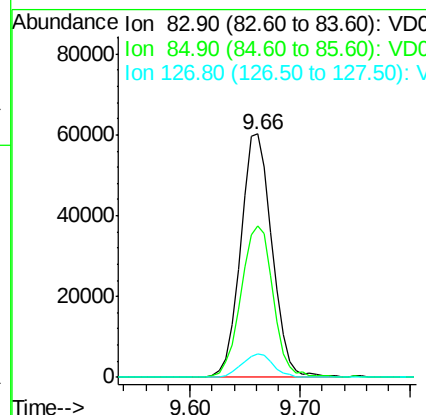
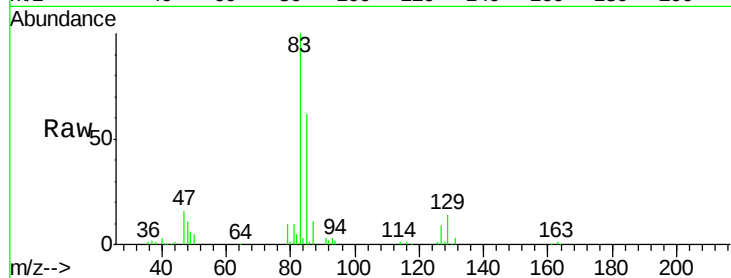
#47
Bromodichloromethane
Concen: 20.726 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	120583		
85	62.0		52.9	79.3
127	9.4		7.3	10.9

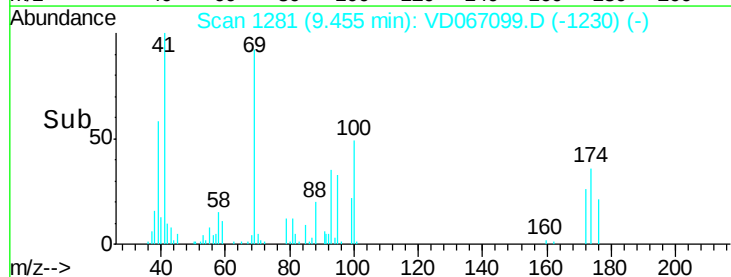
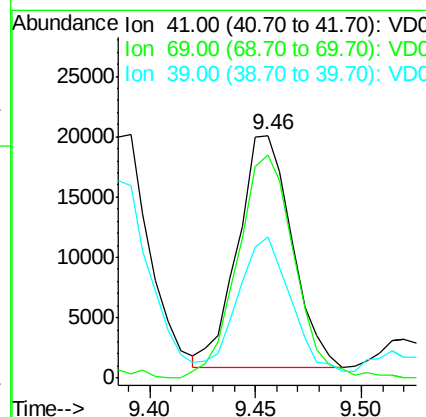
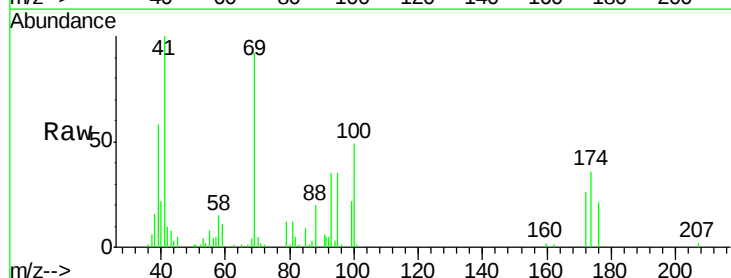
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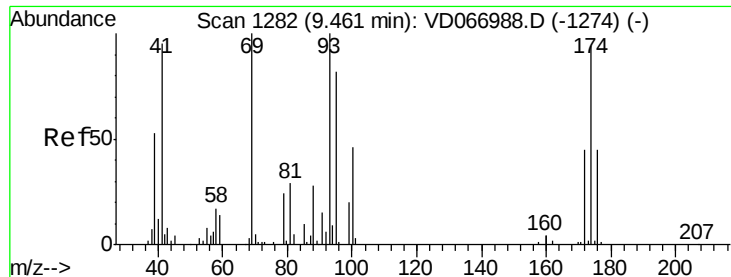
MMDadoda
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#48
Methyl methacrylate
Concen: 17.485 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	34111		
69	101.3		68.5	102.7
39	55.5		40.2	60.2





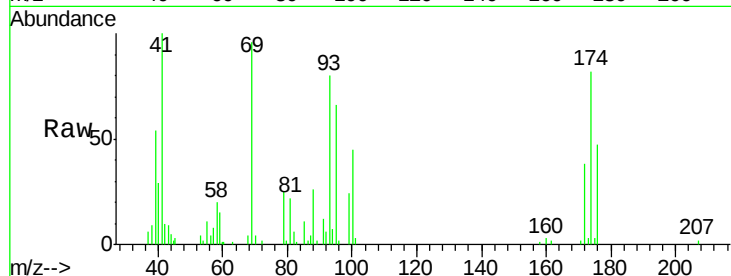
#49
1,4-Dioxane
Concen: 385.634 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

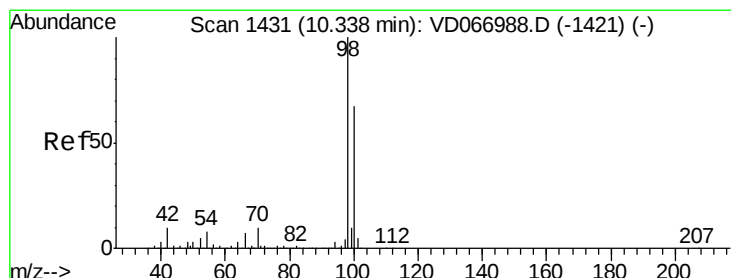
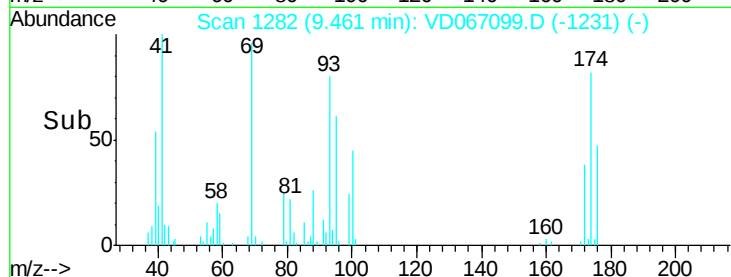
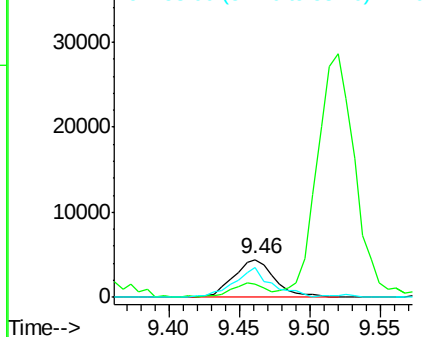
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	25.6	38.4
58	71.5	53.5	80.3

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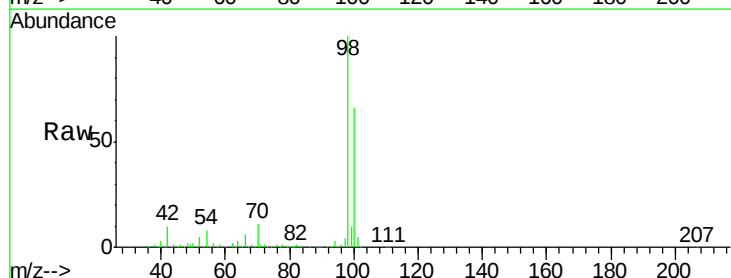


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

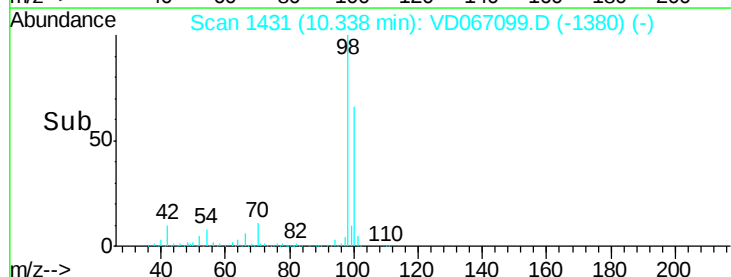
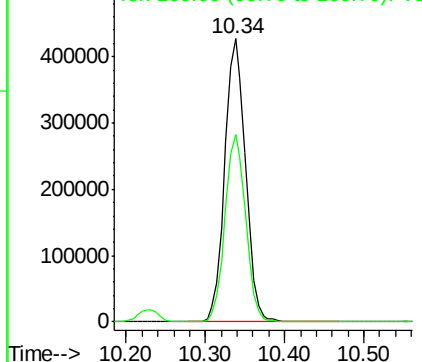


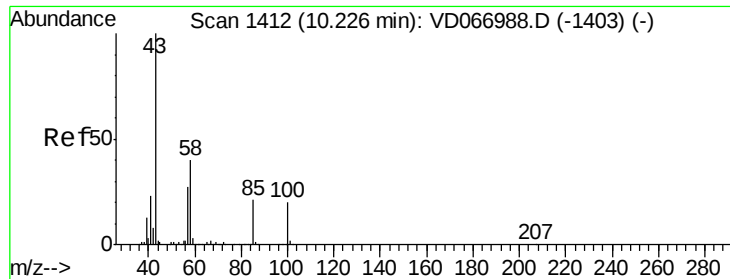
#50
Toluene-d8
Concen: 50.709 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.8	79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 94.158 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 43 Resp: 178596

Ion Ratio Lower Upper

43 100

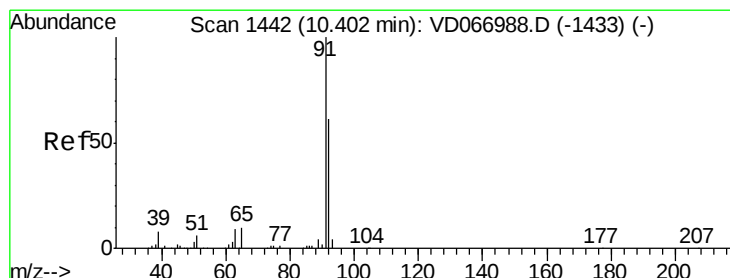
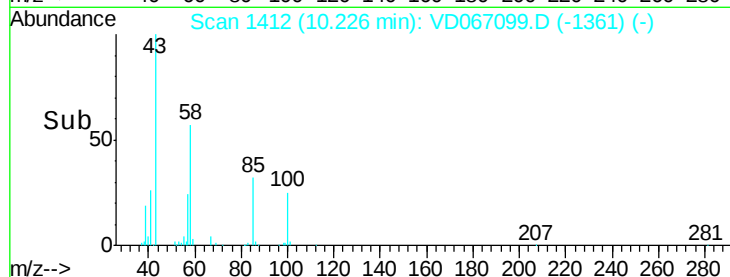
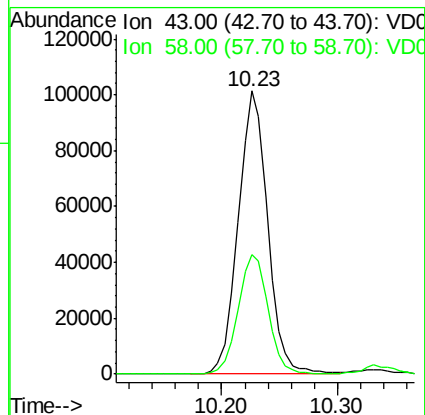
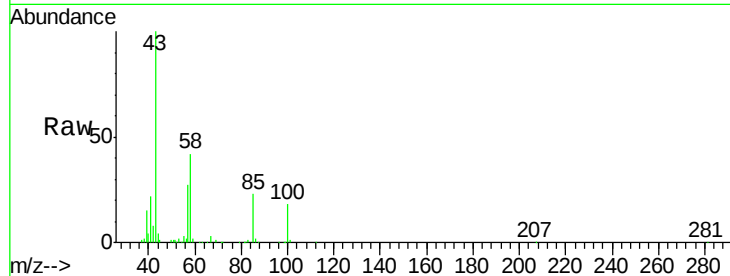
58 43.0 33.8 50.8

Manual Integrations

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#52

Toluene

Concen: 20.909 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067099.D

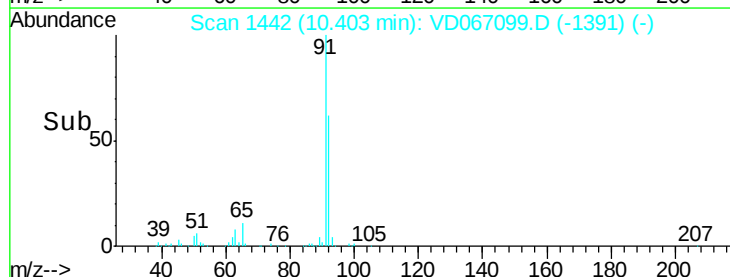
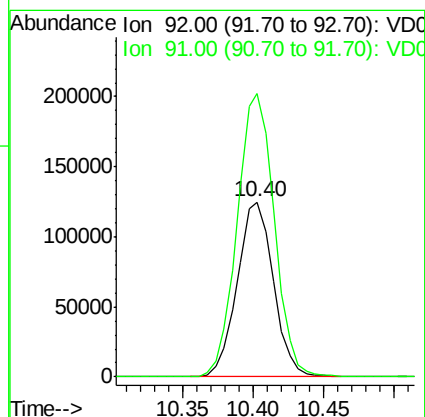
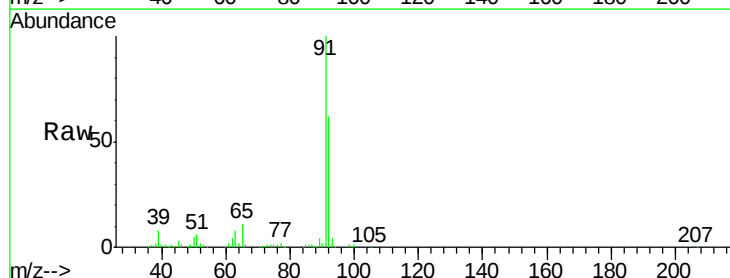
Acq: 06 Oct 2020 11:16

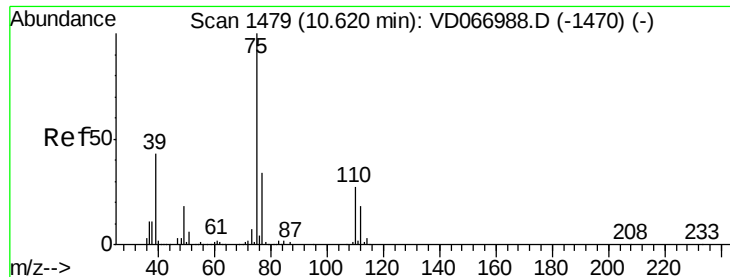
Tgt Ion: 92 Resp: 223226

Ion Ratio Lower Upper

92 100

91 167.2 135.1 202.7





#53

t-1,3-Dichloropropene

Concen: 19.884 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 75 Resp: 103388

Ion Ratio Lower Upper

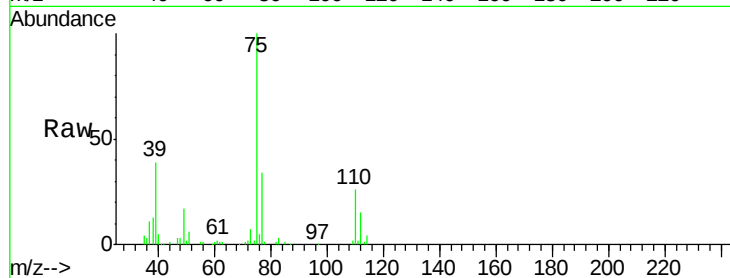
75 100

77 33.8 27.1 40.7

Manual Integrations
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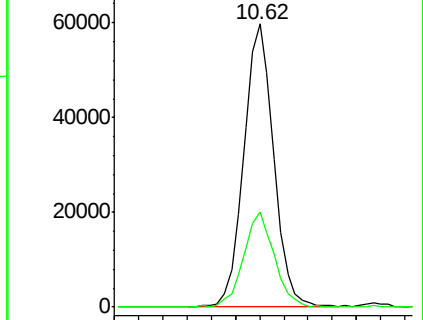
MMDadoda

10/7/2020 12:10:05 PM

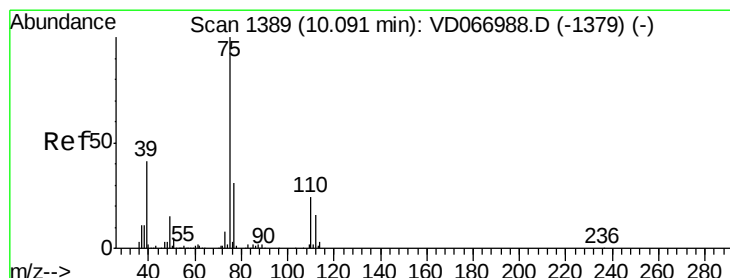
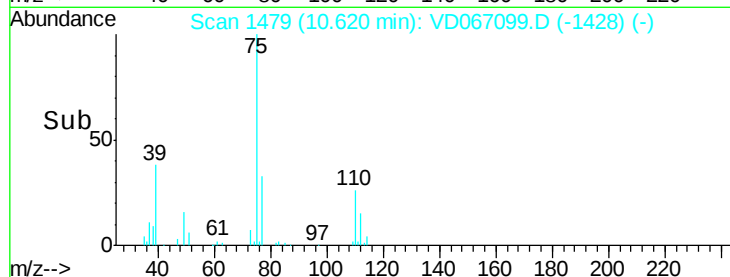


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 19.780 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

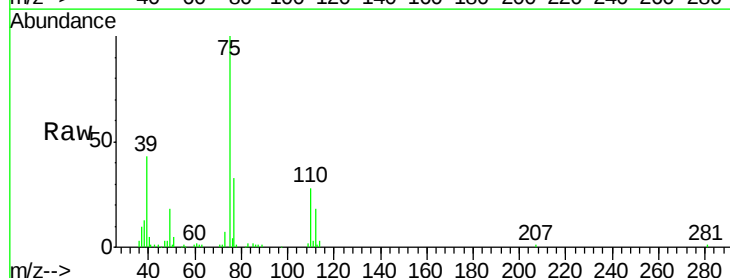
Tgt Ion: 75 Resp: 125593

Ion Ratio Lower Upper

75 100

77 33.3 24.6 37.0

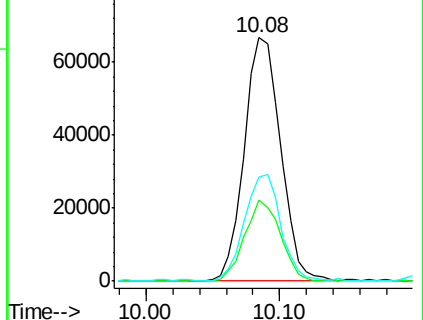
39 42.0 33.0 49.4



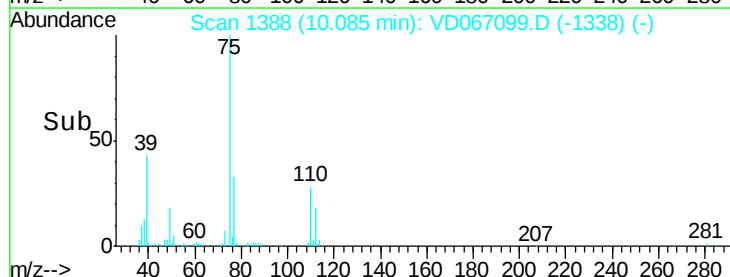
Abundance Ion 74.90 (74.60 to 75.60): VDC

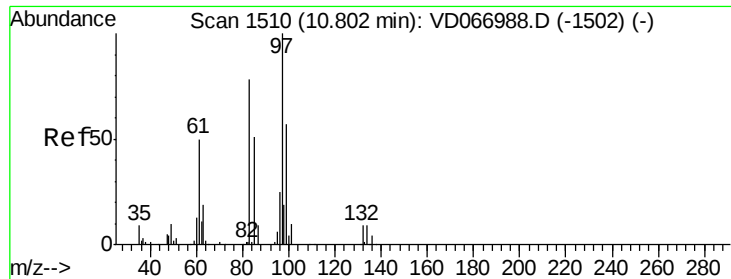
Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC



Time--> 10.00 10.10





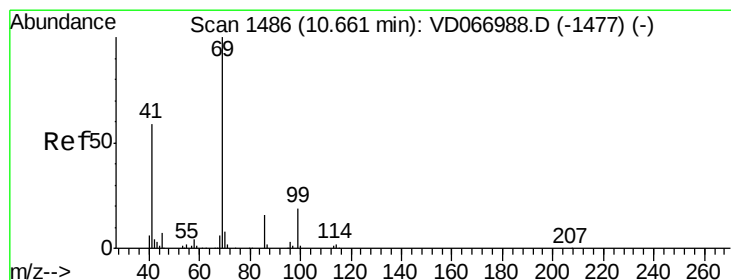
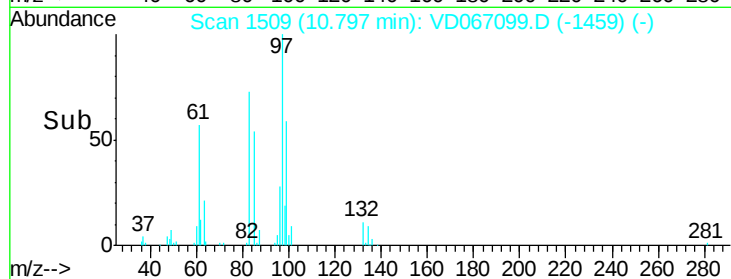
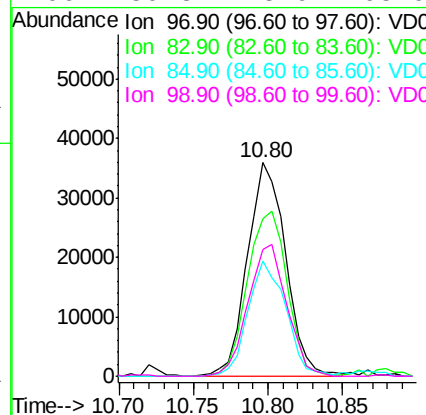
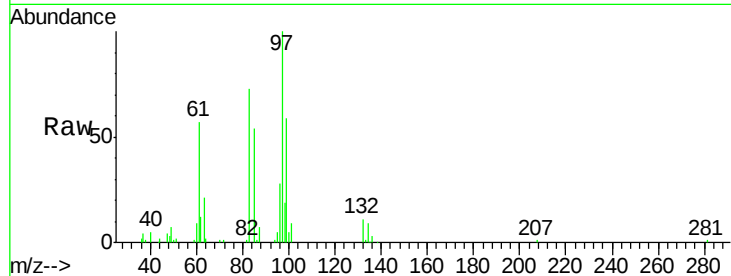
#55
 1,1,2-Trichloroethane
 Concen: 20.514 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion:	97	Resp:	63832
Ion	Ratio	Lower	Upper
97	100		
83	73.5	62.4	93.6
85	53.8	41.0	61.4
99	59.3	45.9	68.9

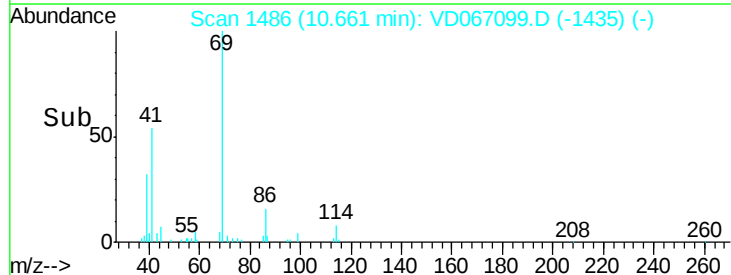
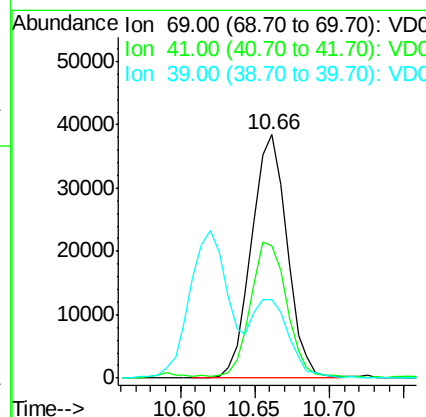
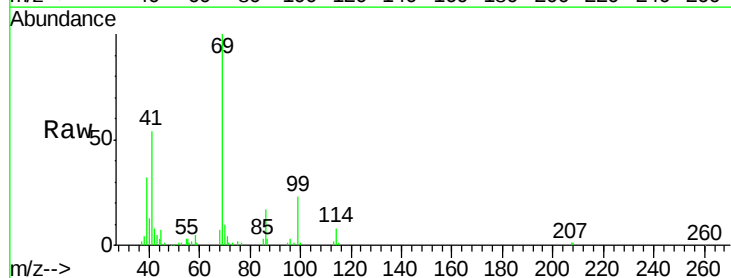
Manual Integrations
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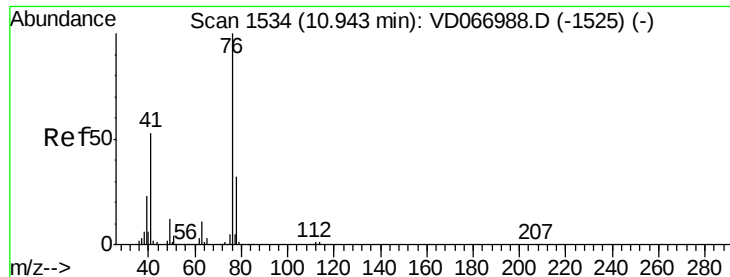
MMDadoda
 10/7/2020 12:10:05 PM



#56
 Ethyl methacrylate
 Concen: 19.694 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Tgt Ion:	69	Resp:	63270
Ion	Ratio	Lower	Upper
69	100		
41	57.7	46.4	69.6
39	32.5	23.8	35.6





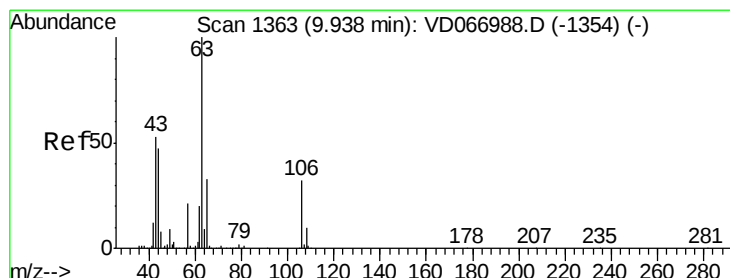
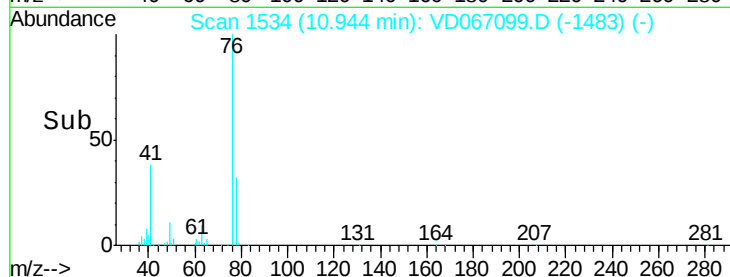
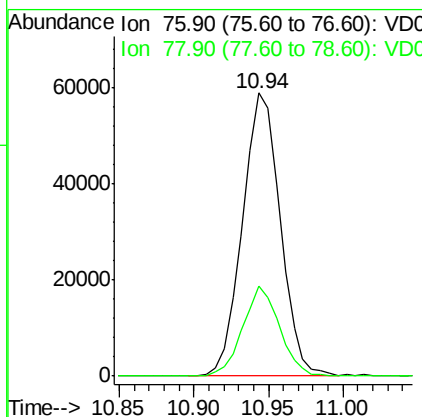
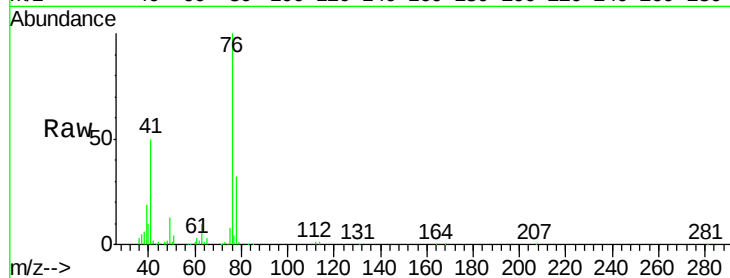
#57
 1,3-Dichloropropane
 Concen: 20.502 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion: 76 Resp: 103454
 Ion Ratio Lower Upper
 76 100
 78 31.0 25.8 38.8

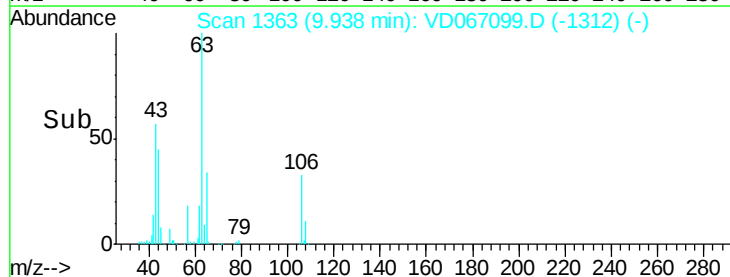
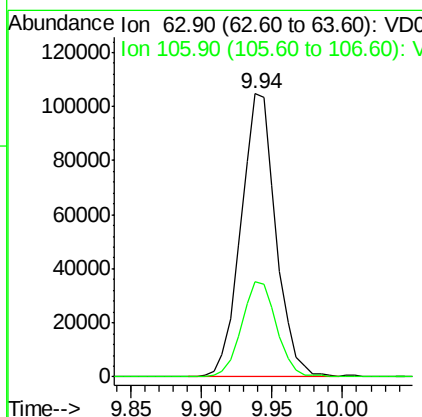
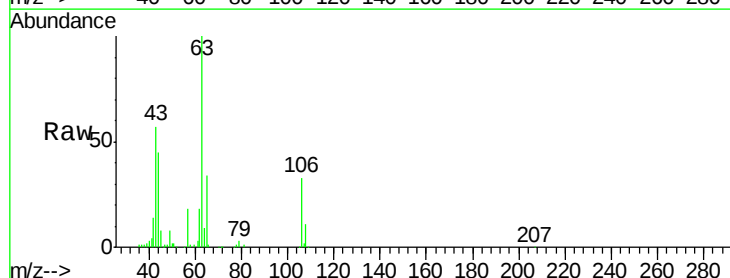
Manual Integrations
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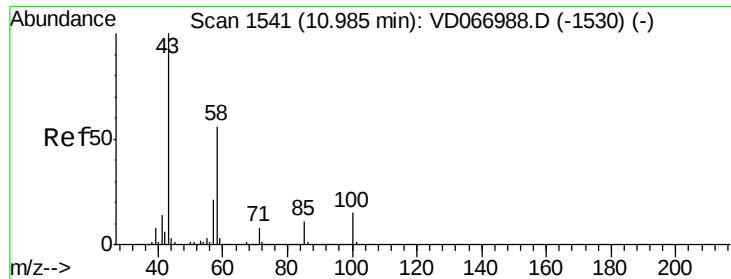
MMDadoda
 10/7/2020 12:10:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.259 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Tgt Ion: 63 Resp: 181060
 Ion Ratio Lower Upper
 63 100
 106 33.9 25.3 37.9





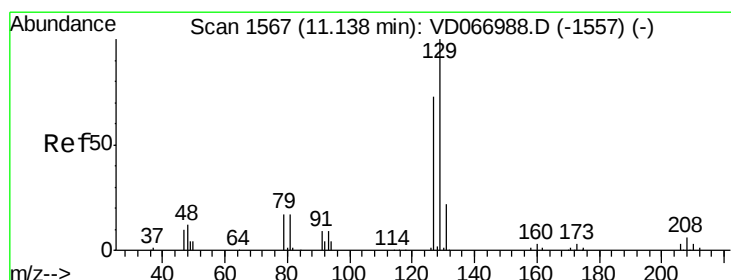
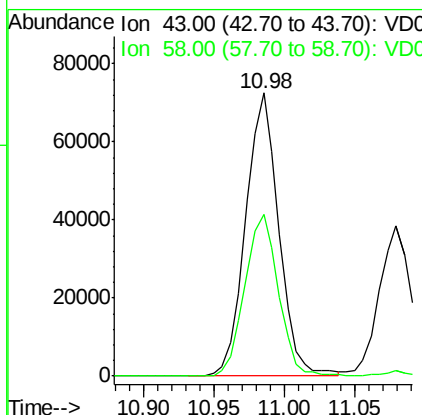
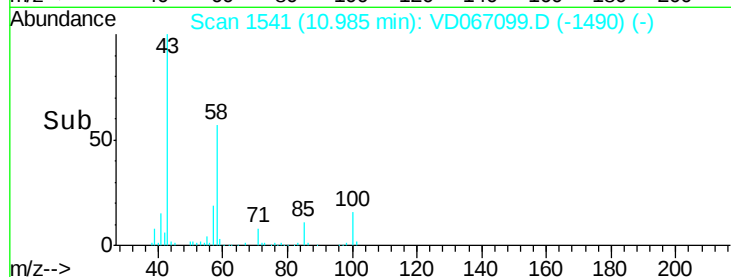
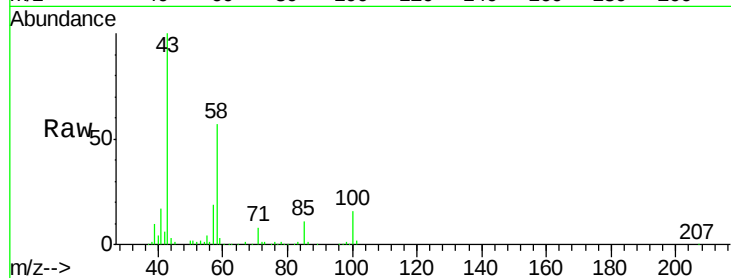
#59
2-Hexanone
Concen: 94.450 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion: 43 Resp: 119572
Ion Ratio Lower Upper
43 100
58 58.0 28.3 84.9

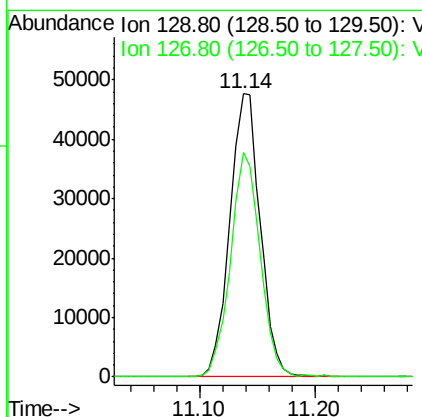
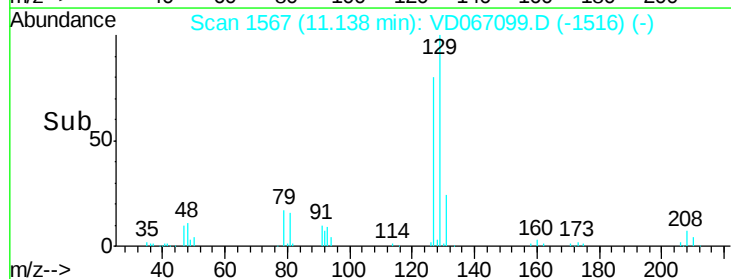
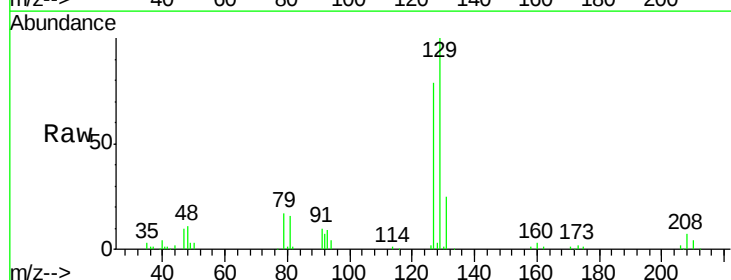
Manual Integrations
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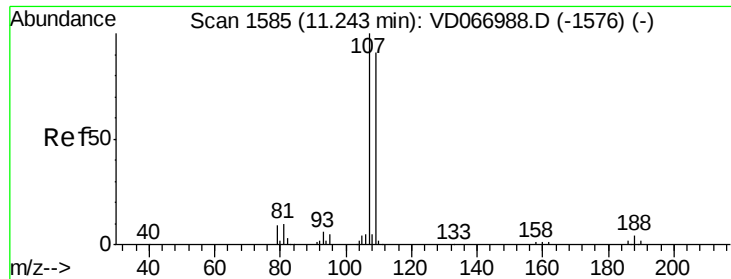
MMDadoda
10/7/2020 12:10:05 PM



#60
Dibromochloromethane
Concen: 20.989 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion:129 Resp: 87050
Ion Ratio Lower Upper
129 100
127 77.4 37.4 112.1





#61

1,2-Dibromoethane

Concen: 20.644 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 107 Resp: 61715

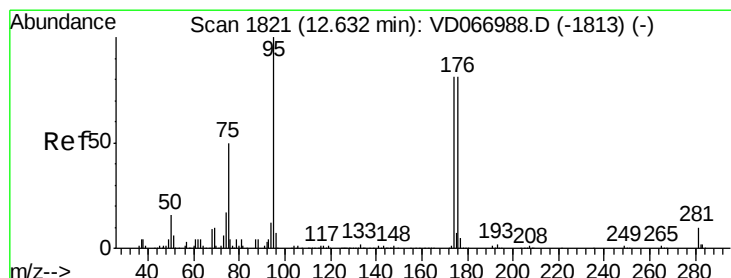
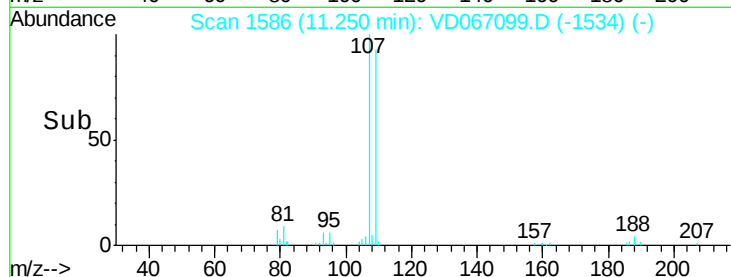
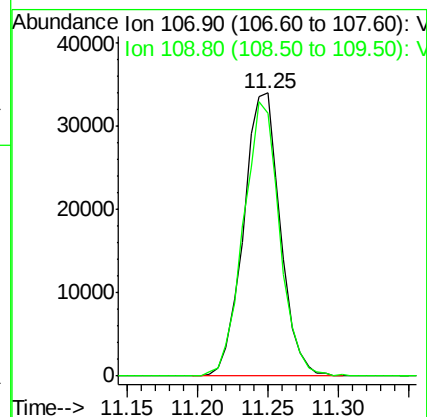
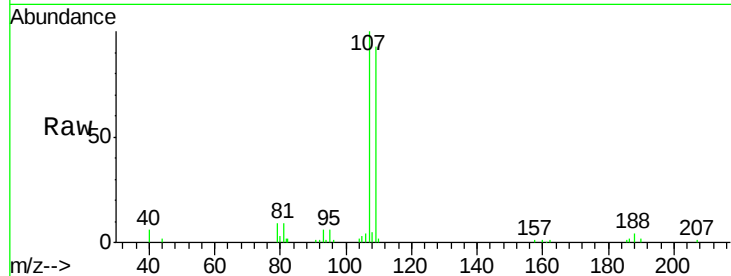
Ion Ratio Lower Upper

107 100

109 95.7 74.0 111.0

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MMDadoda
10/7/2020 12:10:05 PM



#62

4-Bromofluorobenzene

Concen: 51.240 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

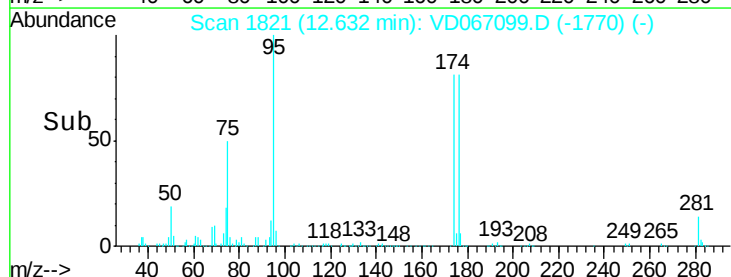
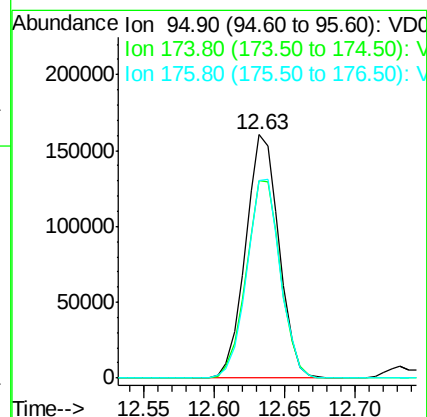
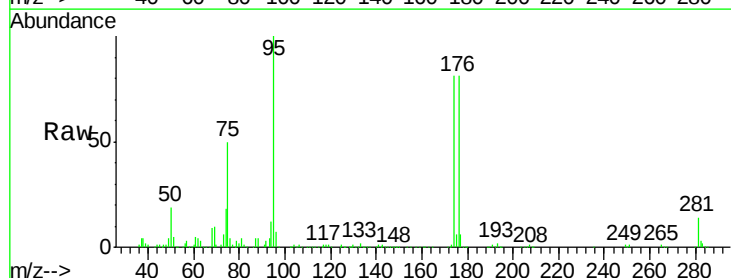
Tgt Ion: 95 Resp: 265639

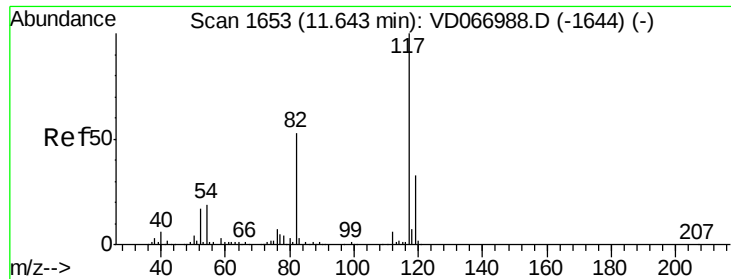
Ion Ratio Lower Upper

95 100

174 83.0 0.0 167.6

176 81.7 0.0 162.4





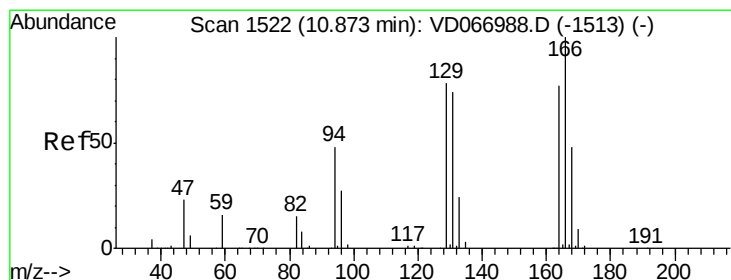
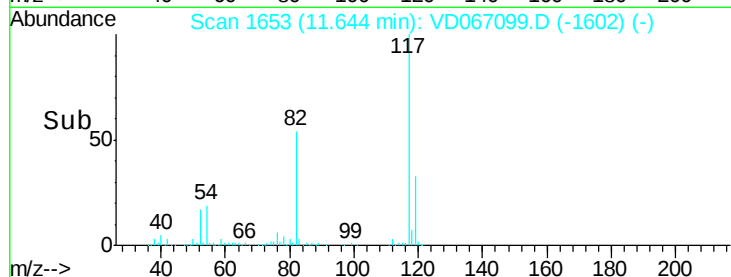
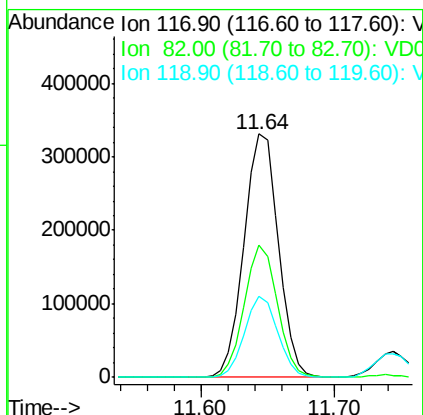
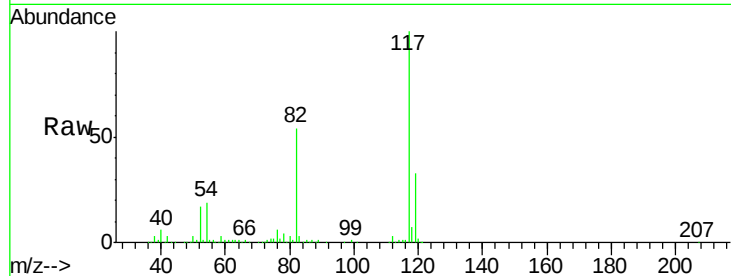
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	588813		
82	54.5	42.6	63.8	
119	33.3	26.3	39.5	

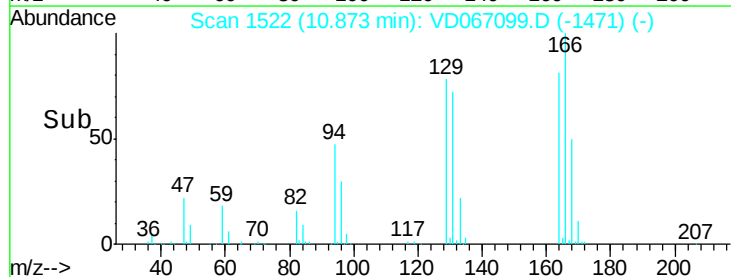
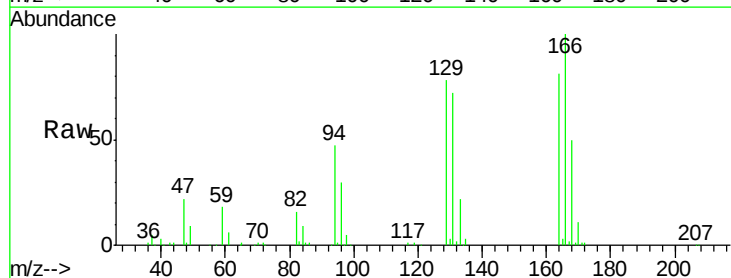
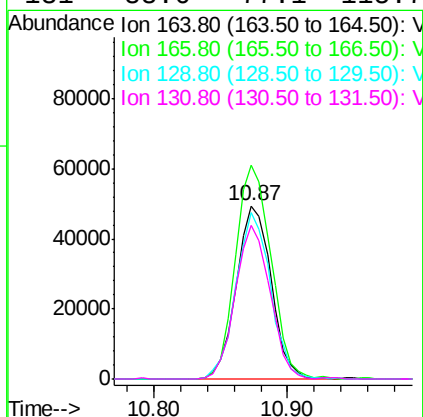
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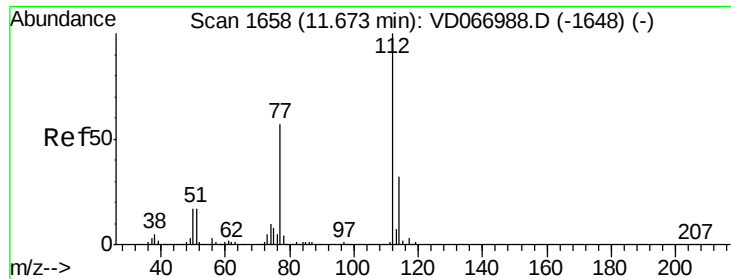
MMDadoda
10/7/2020 12:10:05 PM



#64
Tetrachloroethene
Concen: 20.899 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89461		
166	123.4	104.4	156.6	
129	96.3	81.3	121.9	
131	88.6	77.1	115.7	





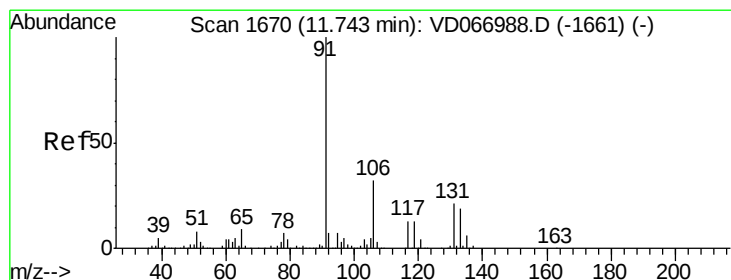
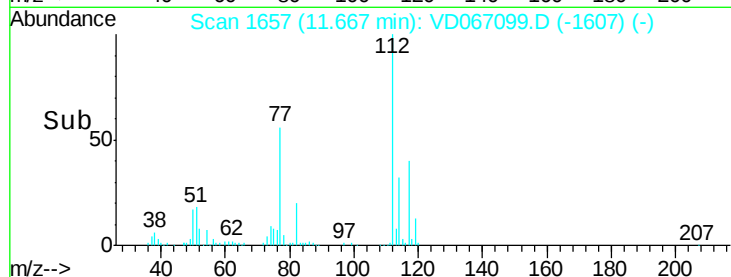
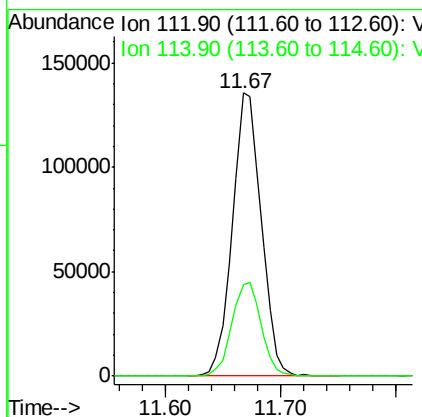
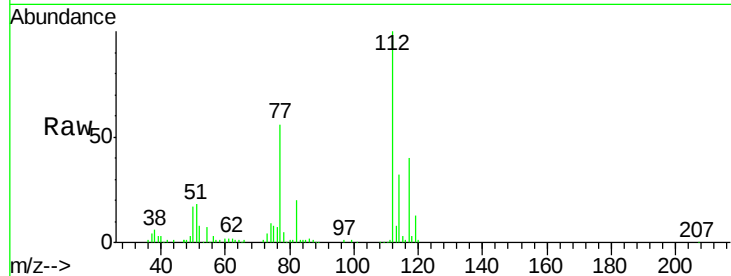
#65
Chlorobenzene
Concen: 20.030 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.0

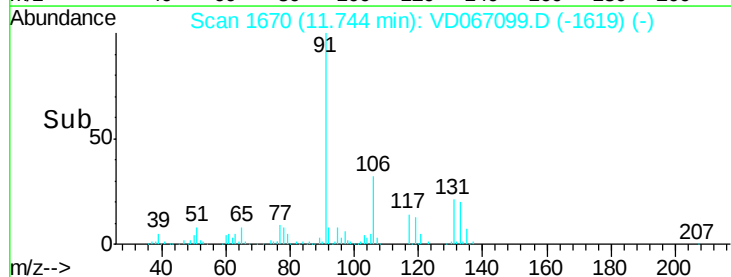
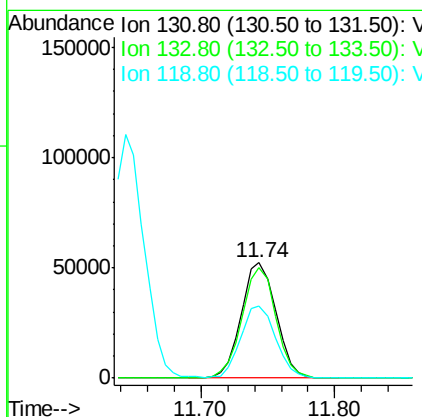
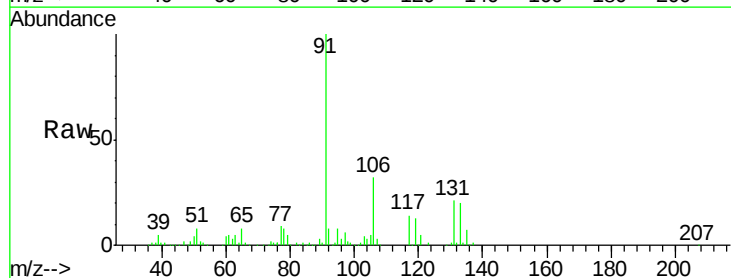
Manual Integrations
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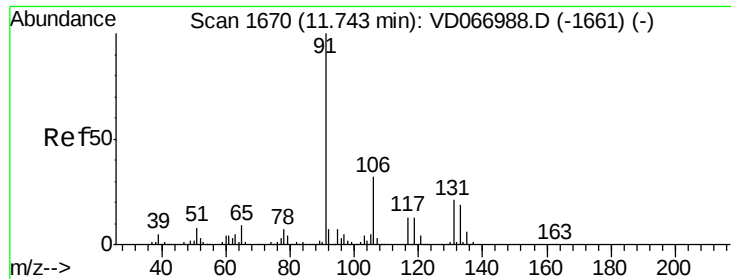
MMDadoda
10/7/2020 12:10:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.238 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.1	47.8	143.3
119	62.6	32.3	96.8





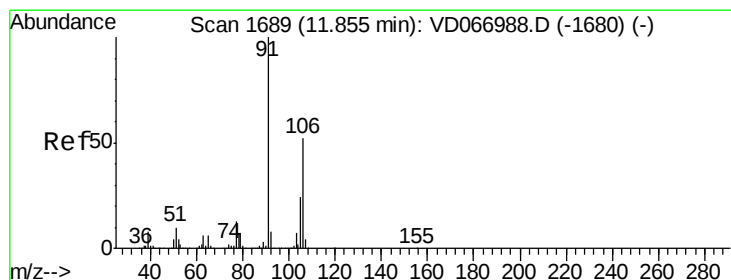
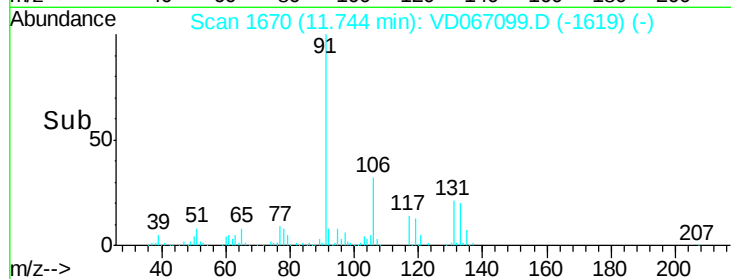
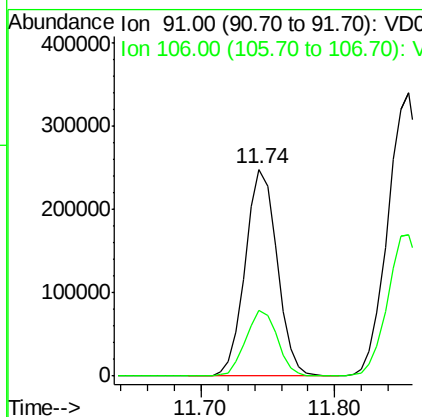
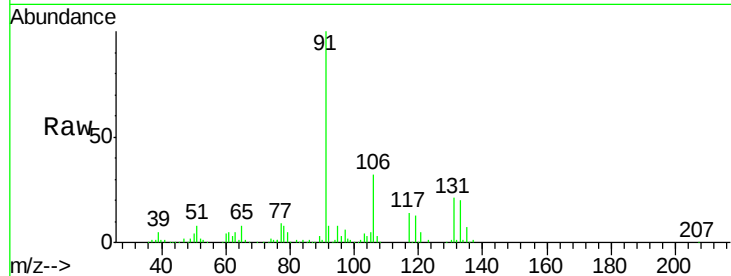
#67
Ethyl Benzene
Concen: 20.456 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion: 91 Resp: 410463
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

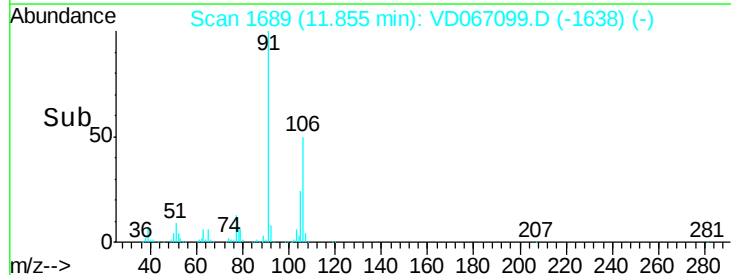
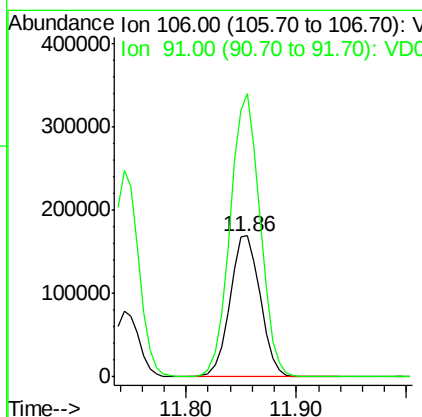
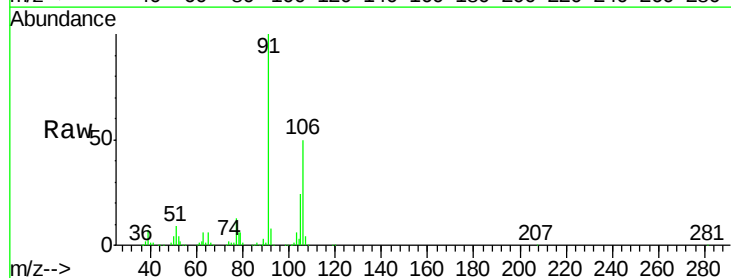
Manual Integrations
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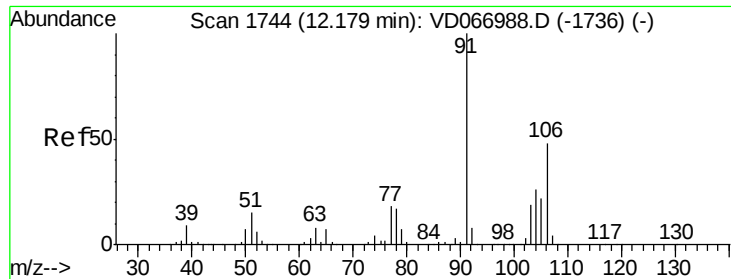
MMDadoda
10/7/2020 12:10:05 PM



#68
m/p-Xylenes
Concen: 41.689 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion: 106 Resp: 325992
Ion Ratio Lower Upper
106 100
91 198.6 158.4 237.6





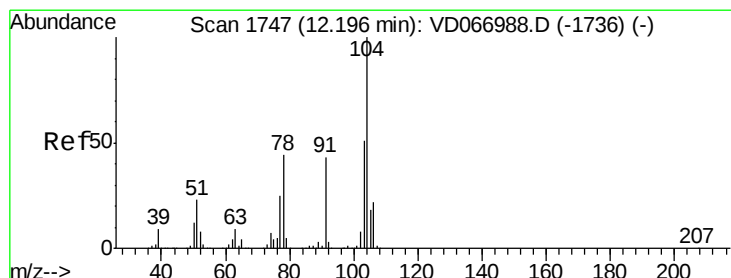
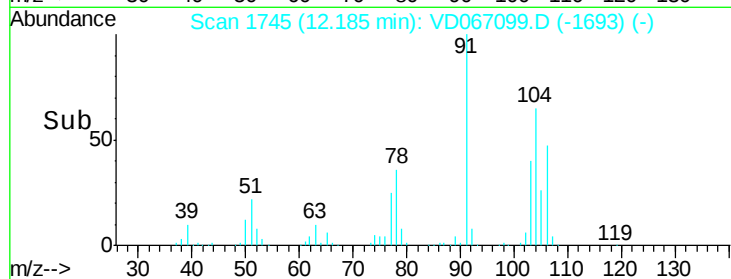
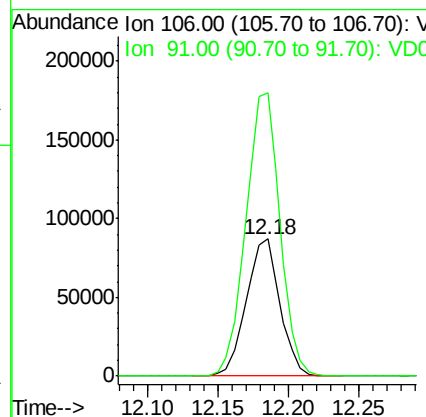
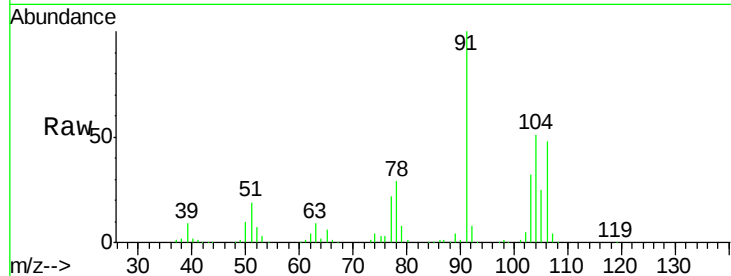
#69
o-Xylene
Concen: 20.651 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion:106 Resp: 144411
Ion Ratio Lower Upper
106 100
91 211.3 102.4 307.2

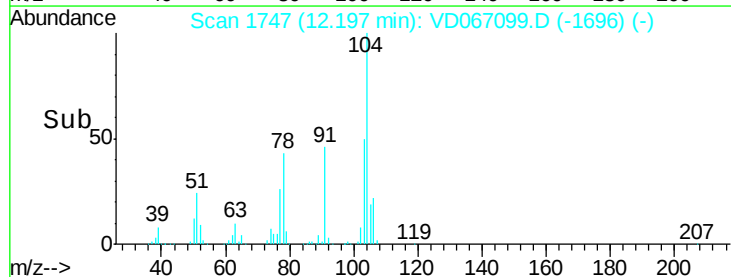
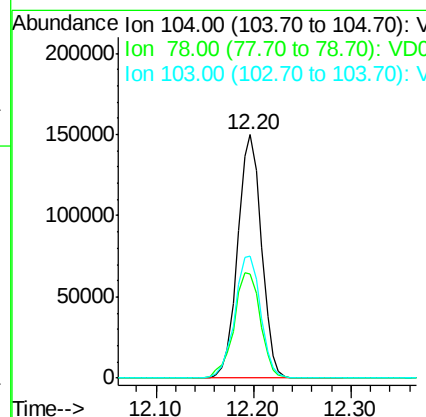
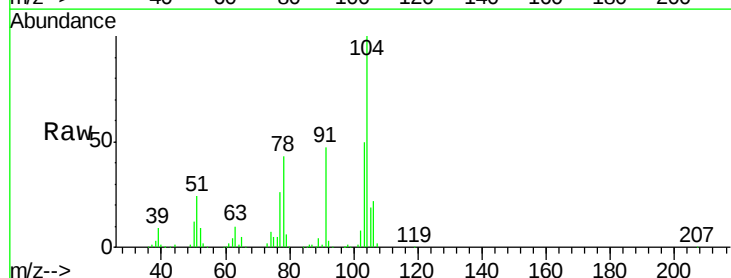
Manual Integrations
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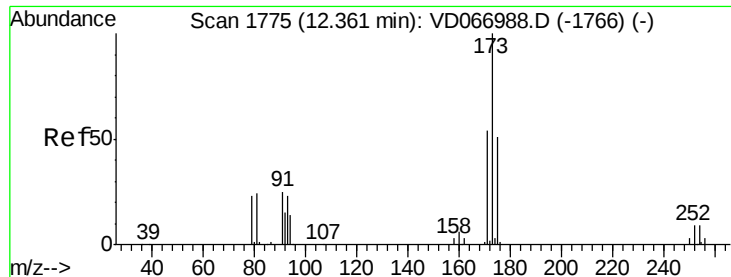
MMDadoda
10/7/2020 12:10:05 PM



#70
Styrene
Concen: 21.167 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion:104 Resp: 254170
Ion Ratio Lower Upper
104 100
78 47.9 38.6 58.0
103 54.5 43.4 65.0





#71

Bromoform

Concen: 21.246 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion:173 Resp: 49128

Ion Ratio Lower Upper

173 100

175 48.0 24.9 74.7

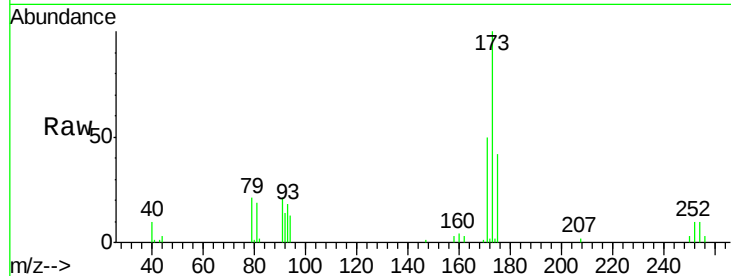
254 0.0 0.2 0.4#

Manual Integrations

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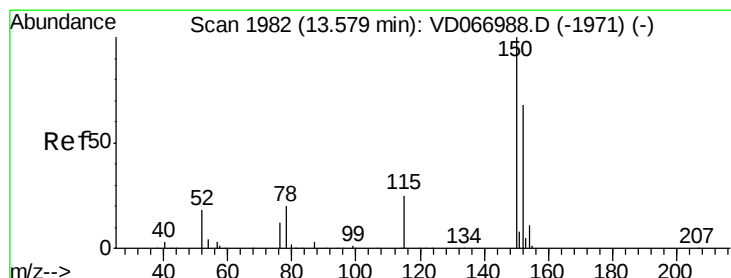
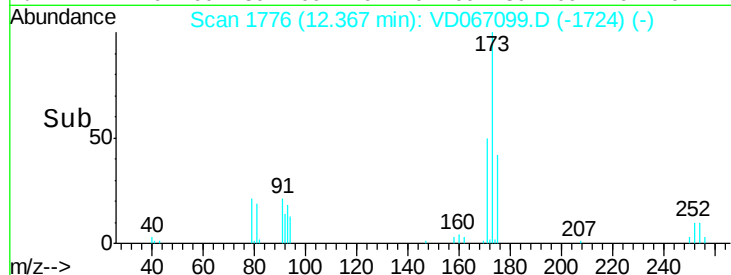
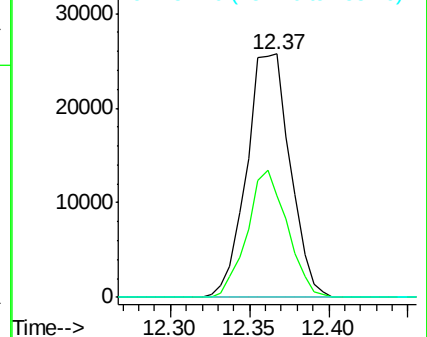
10/7/2020 12:10:05 PM



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# 1982

Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

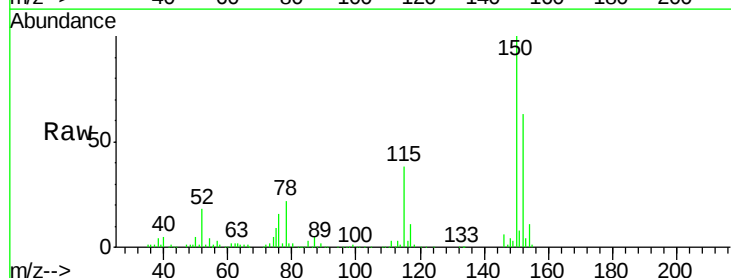
Tgt Ion:152 Resp: 291210

Ion Ratio Lower Upper

152 100

115 60.8 29.6 88.8

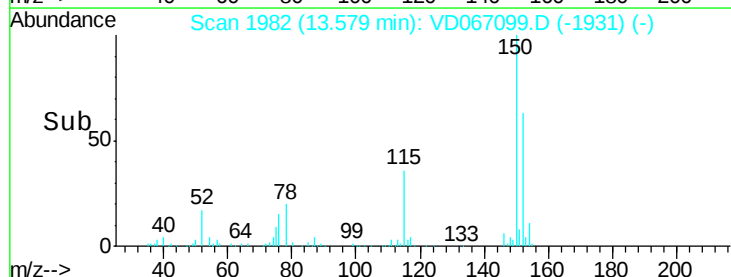
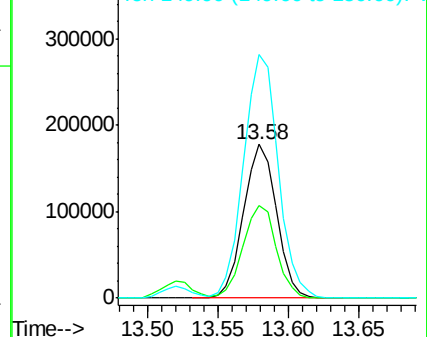
150 166.4 0.0 344.8

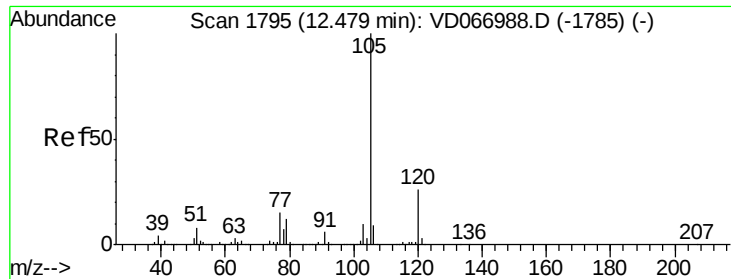


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





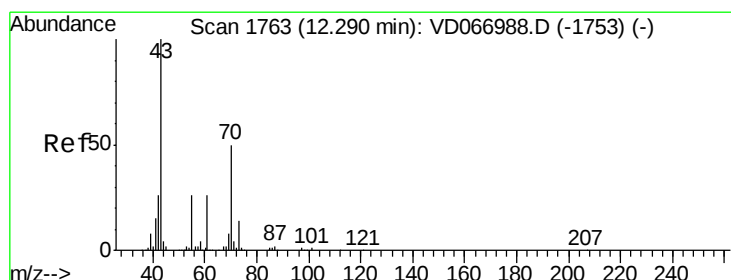
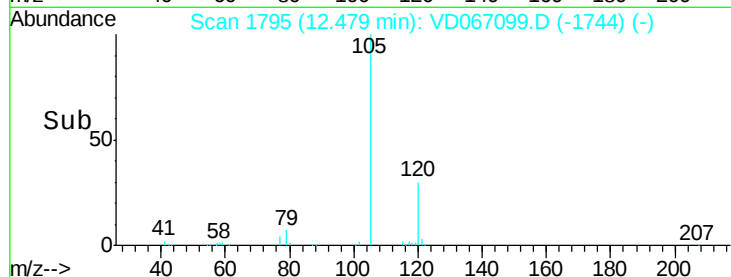
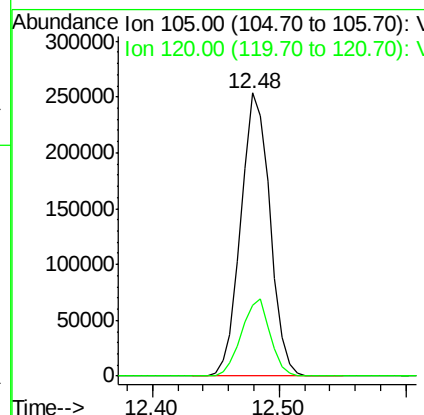
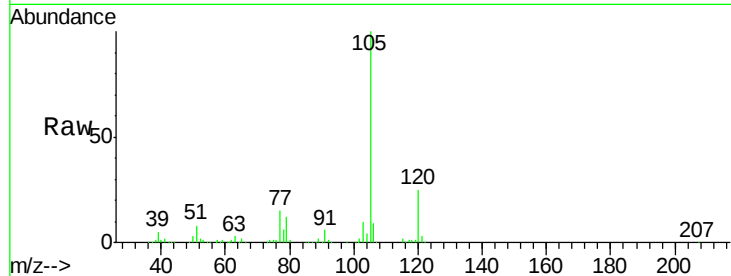
#73
Isopropylbenzene
Concen: 20.434 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.9

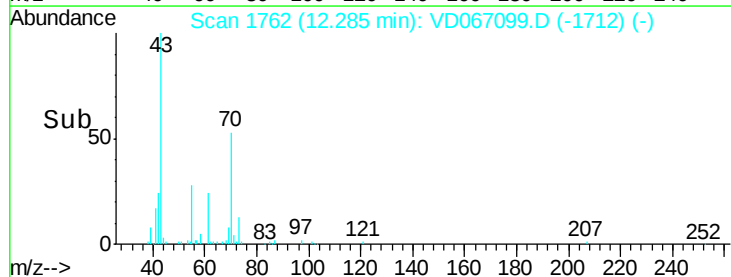
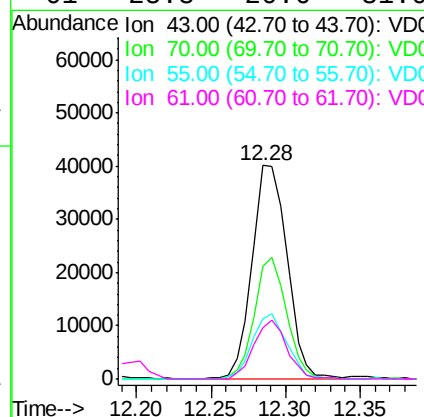
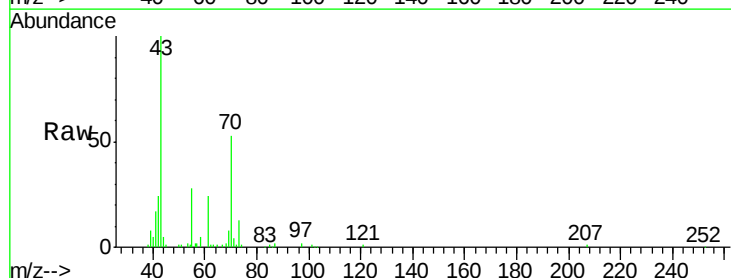
Manual Integrations
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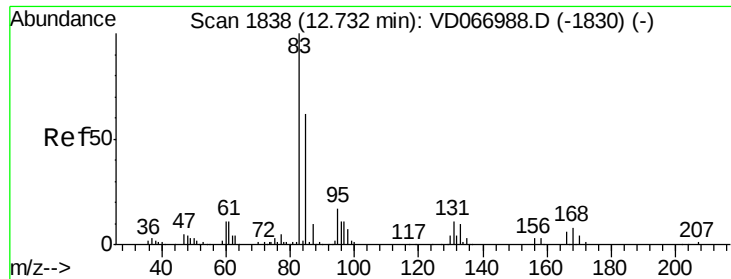
MMDadoda
10/7/2020 12:10:05 PM



#74
N-ethyl acetate
Concen: 18.300 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.5	38.2	57.2
55	30.3	22.4	33.6
61	25.8	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.437 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

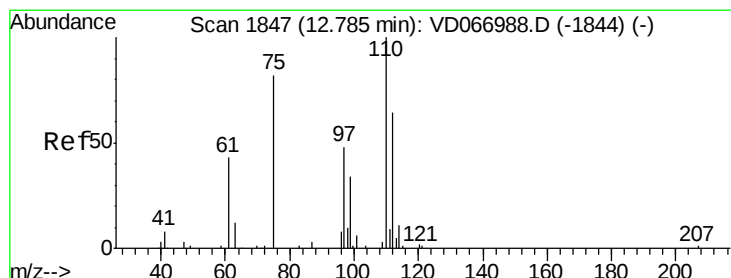
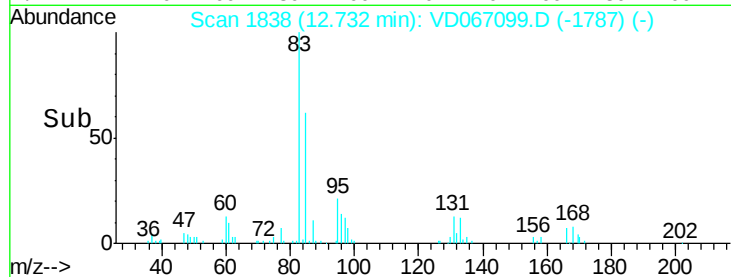
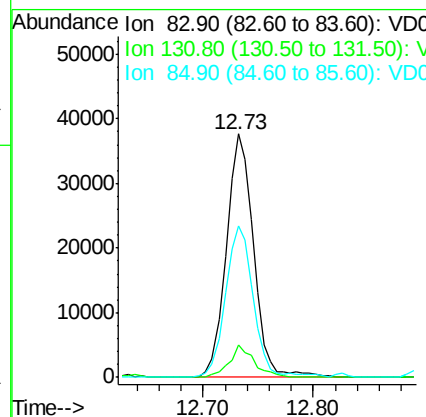
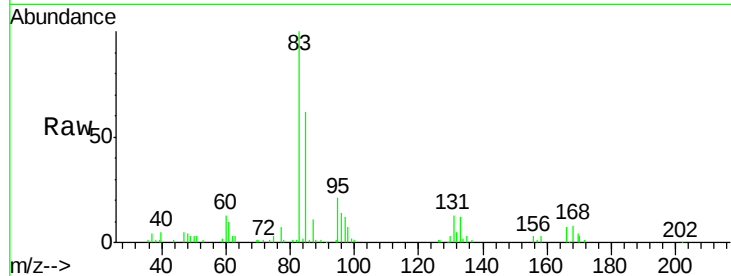
ClientSampleId :

VD1006SBS01

Tot Ion:	83	Resp:	64757
Ion	Ratio	Lower	Upper
83	100		
131	12.2	5.7	17.0
85	62.5	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 20.813 ug/l m

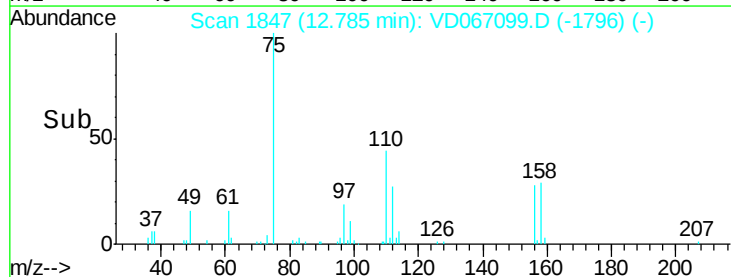
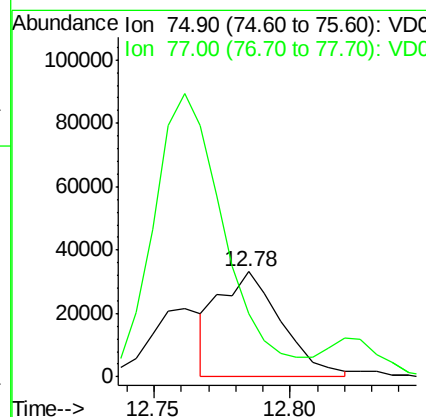
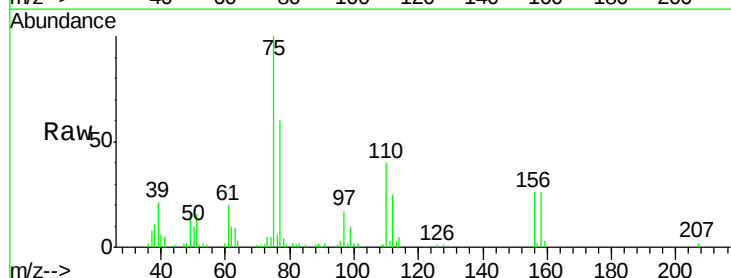
RT: 12.78 min Scan# 1847

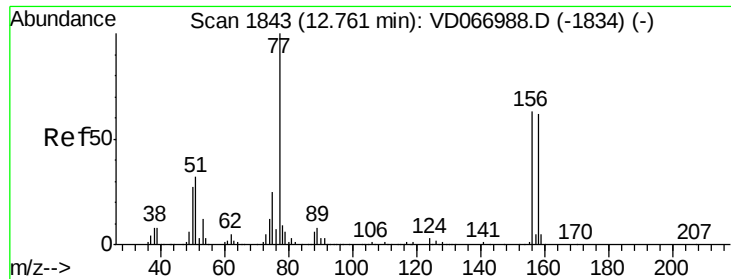
Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Tgt Ion:	75	Resp:	52794
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.576 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

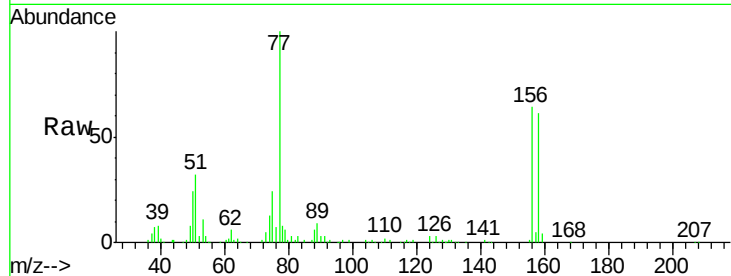
ClientSampleId :

VD1006SBS01

Tot Ion:	156	Resp:	98240
Ion	Ratio	Lower	Upper
156	100		
77	165.6	86.3	258.8
158	96.9	49.5	148.3

Manual Integrations
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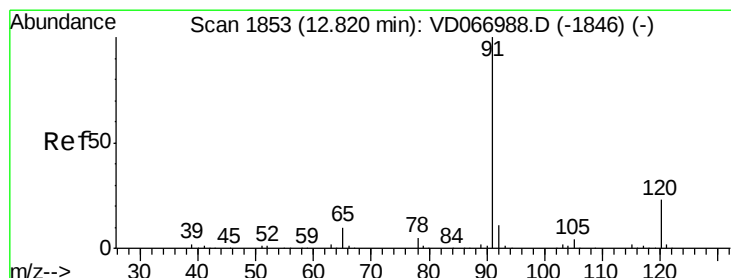
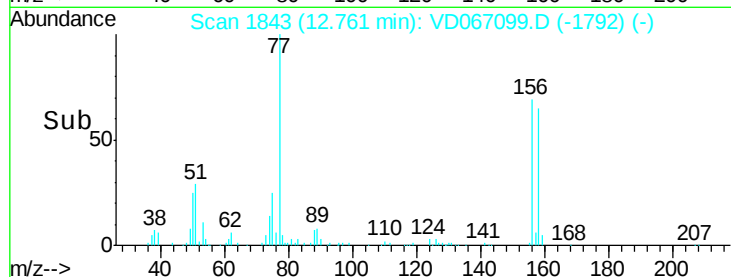
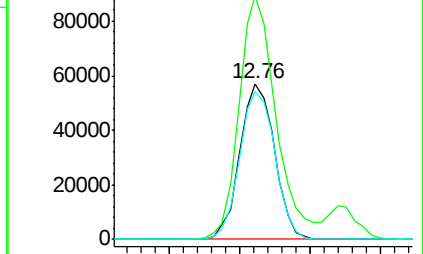
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.097 ug/l

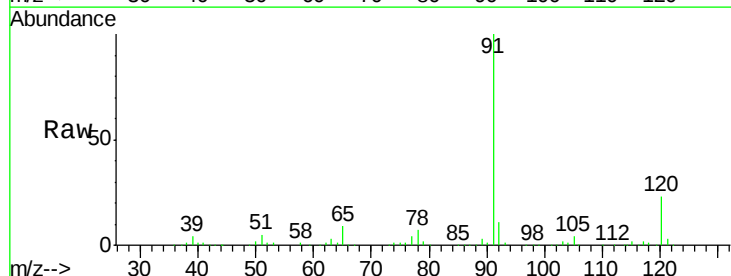
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD067099.D

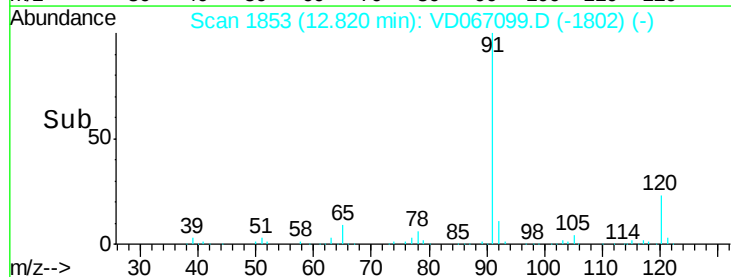
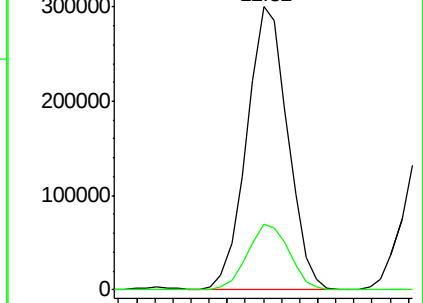
Acq: 06 Oct 2020 11:16

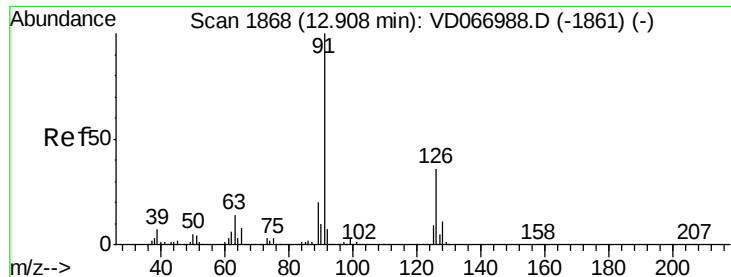
Tgt Ion:	91	Resp:	469644
Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.992 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBS01

Tot Ion: 91 Resp: 267306

Ion Ratio Lower Upper

91 100

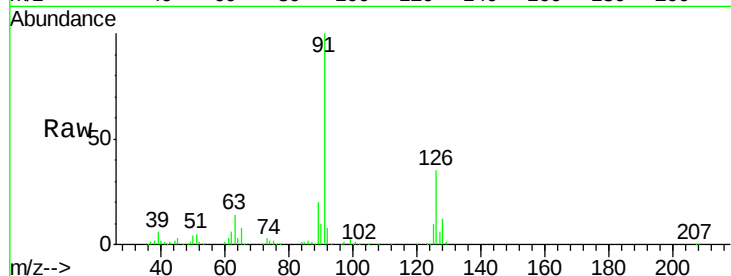
126 36.2 17.5 52.6

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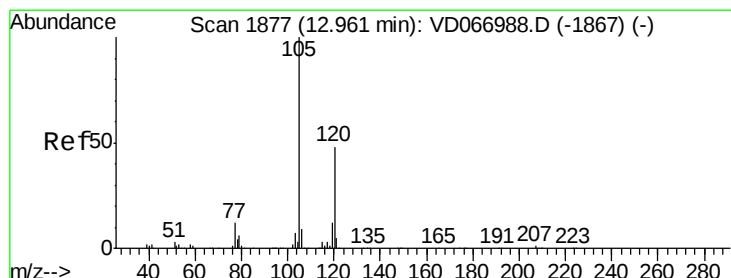
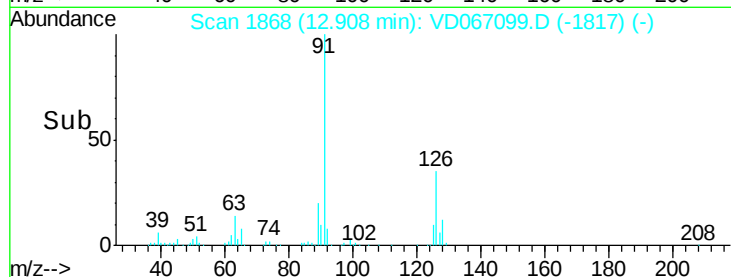
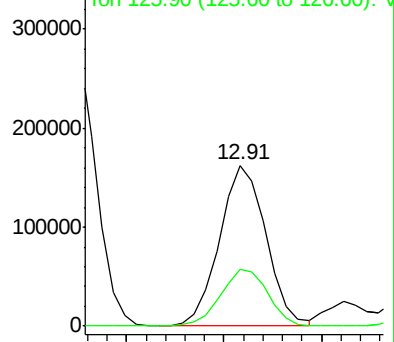
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Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.768 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067099.D

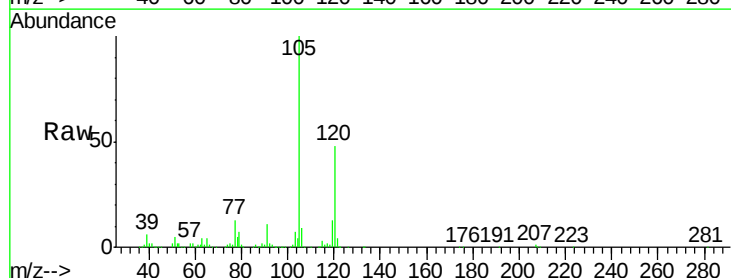
Acq: 06 Oct 2020 11:16

Tgt Ion: 105 Resp: 346949

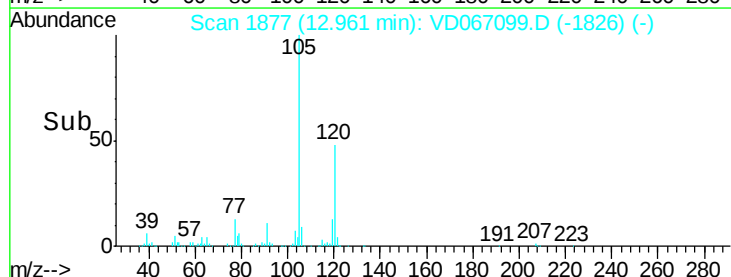
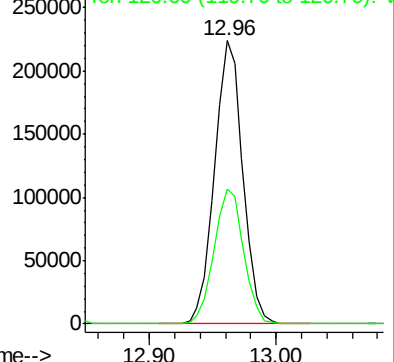
Ion Ratio Lower Upper

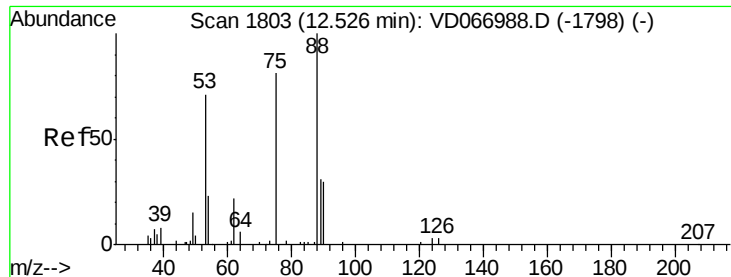
105 100

120 49.6 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VD066988.D (-1867) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.652 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Instrument :

MSVOA_D

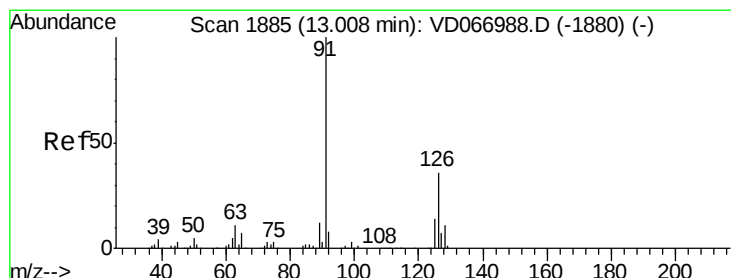
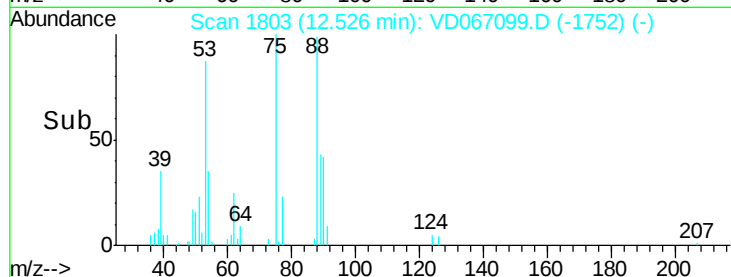
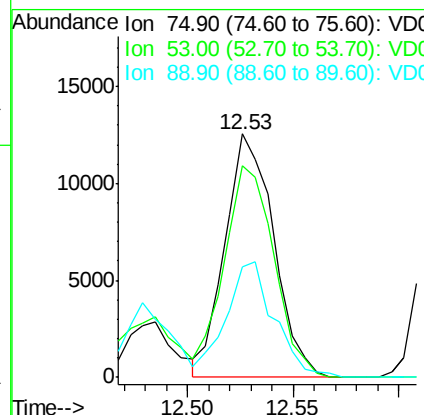
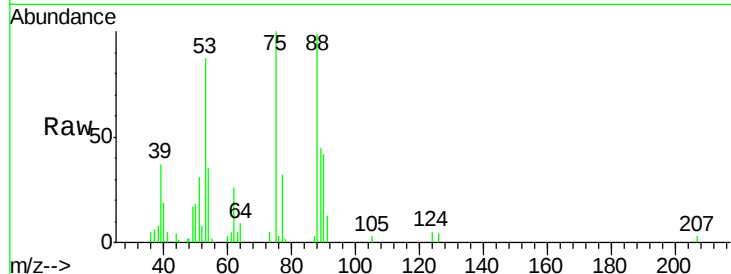
ClientSampleId :

VD1006SBS01

Tot Ion:	75	Resp:	19994
Ion	Ratio	Lower	Upper
75	100		
53	89.5	73.8	110.6
89	47.3	38.9	58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.353 ug/l

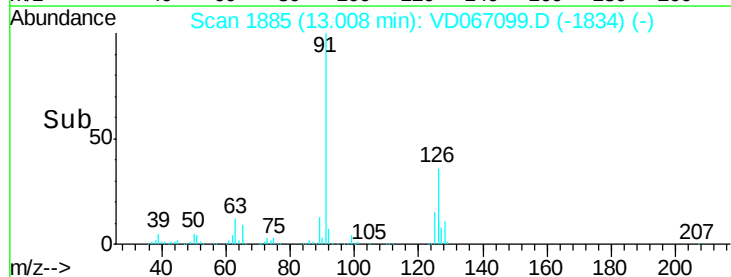
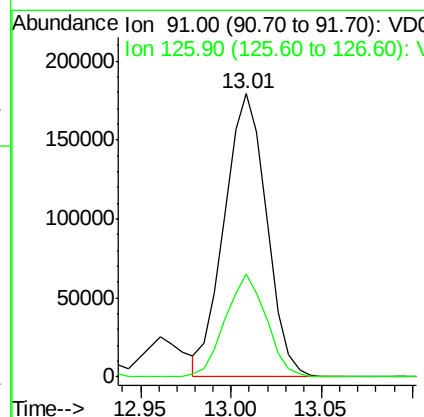
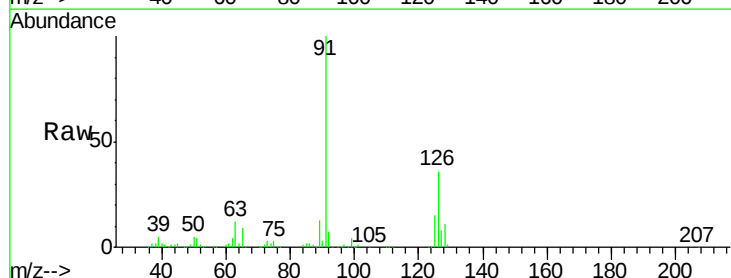
RT: 13.01 min Scan# 1885

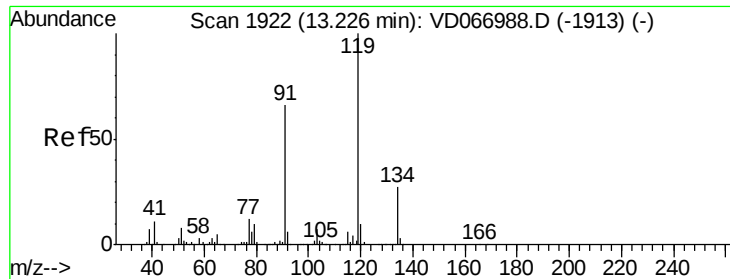
Delta R.T. 0.00 min

Lab File: VD067099.D

Acq: 06 Oct 2020 11:16

Tgt Ion:	91	Resp:	289535
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.5	52.5





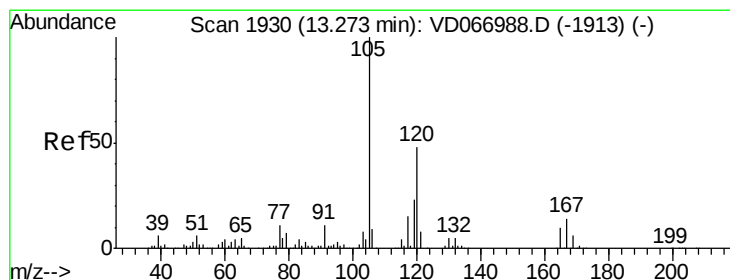
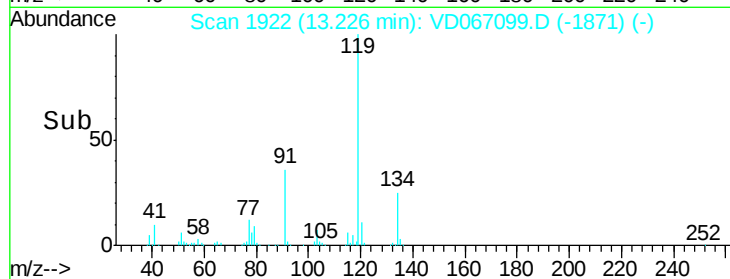
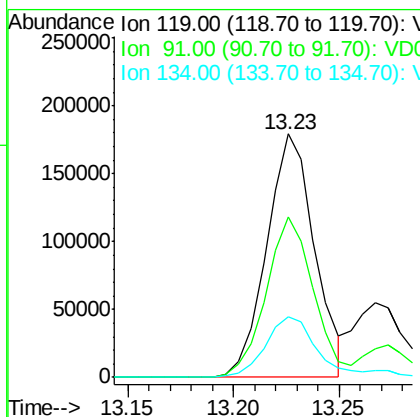
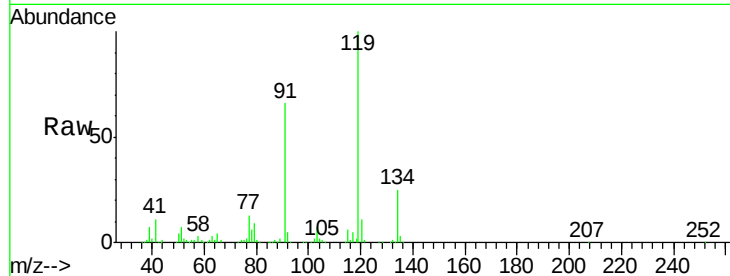
#83
 tert-Butylbenzene
 Concen: 20.051 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	282082		
91	65.5	32.8	98.3	
134	26.6	13.9	41.7	

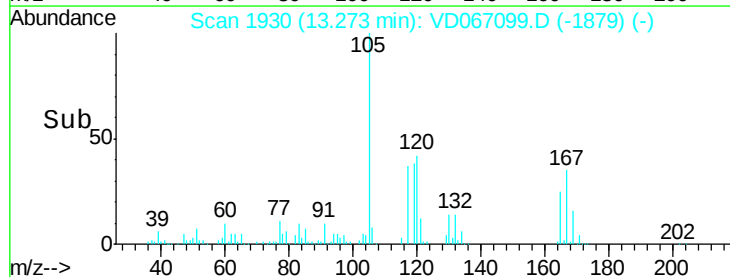
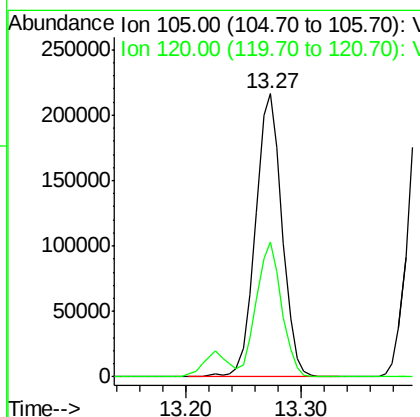
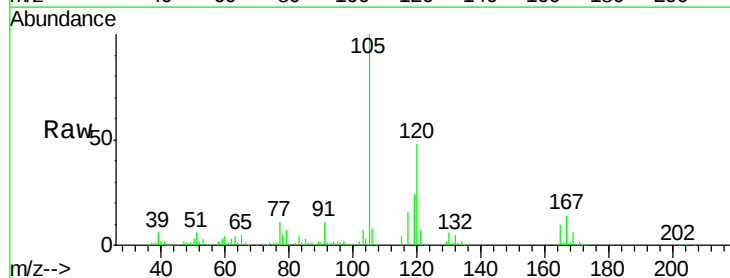
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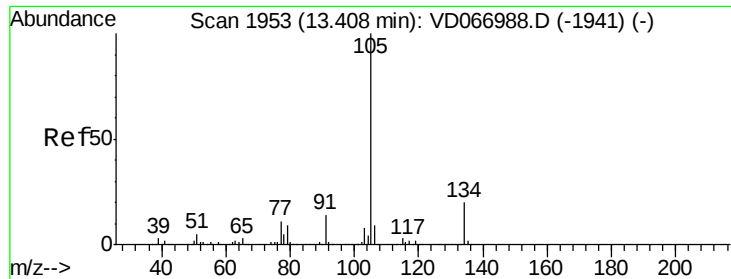
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.867 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	347900		
120	45.5	23.3	69.8	





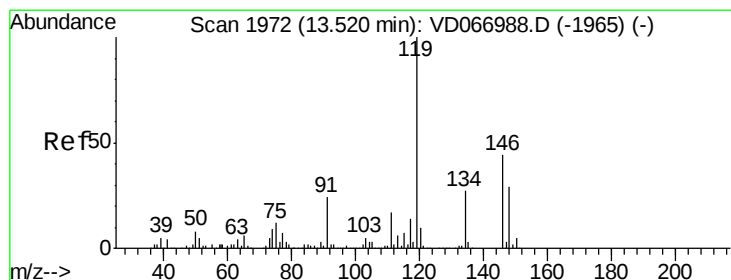
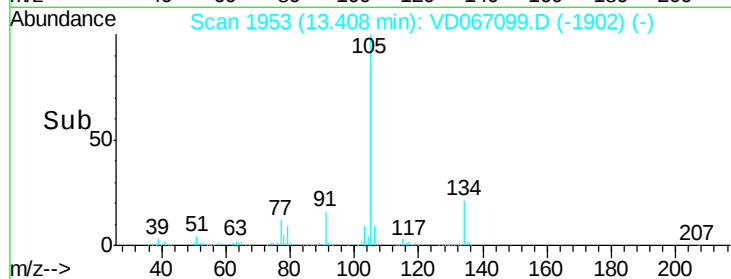
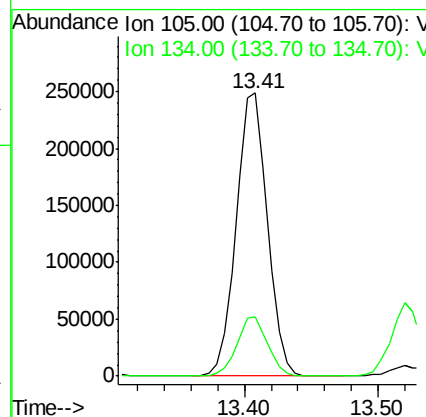
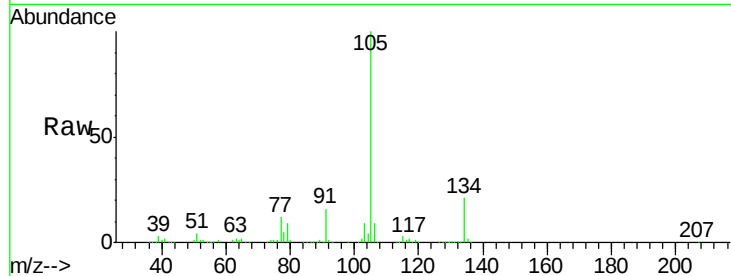
#85
 sec-Butylbenzene
 Concen: 20.317 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.8

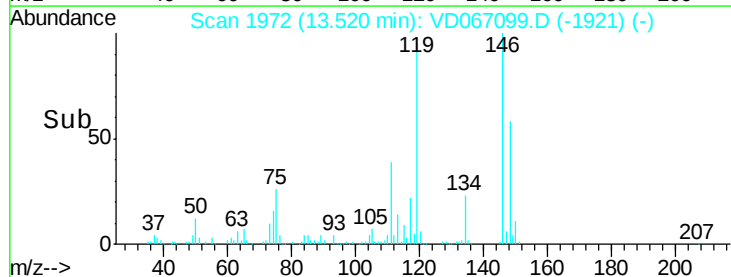
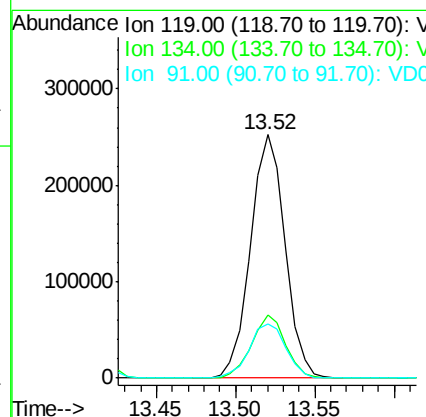
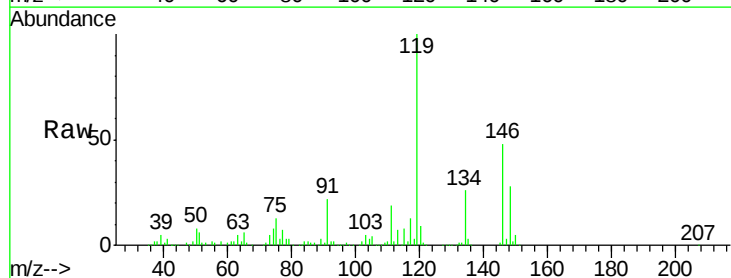
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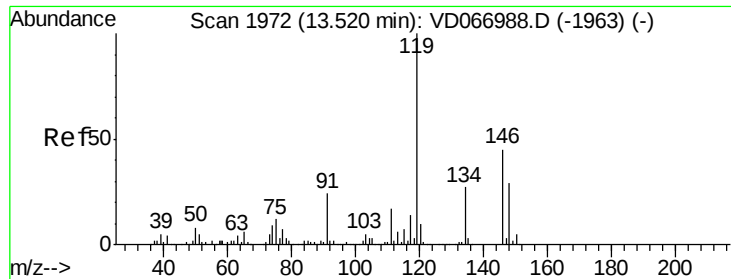
MMDadoda
 10/7/2020 12:10:05 PM



#86
 p-Isopropyltoluene
 Concen: 20.808 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.1	39.1
91	23.5	11.7	35.1





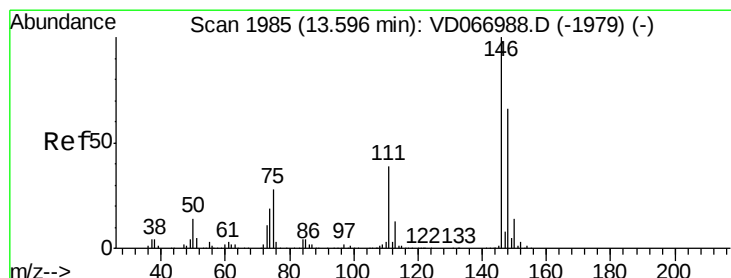
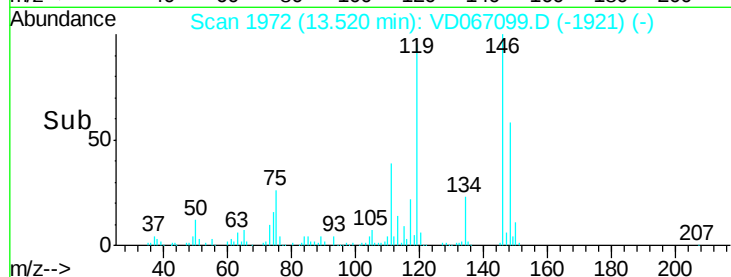
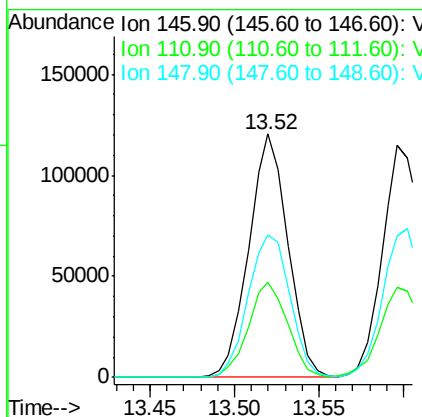
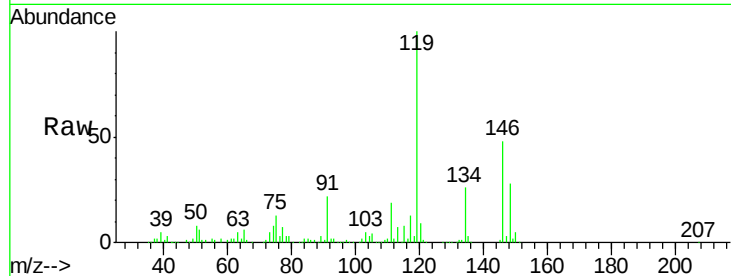
#87
 1,3-Dichlorobenzene
 Concen: 20.790 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	193351		
111	39.5	20.0	60.0	
148	62.8	31.9	95.9	

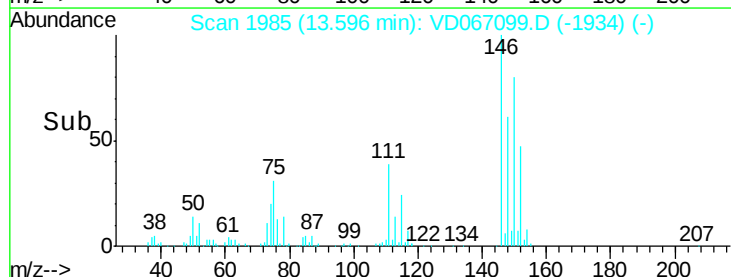
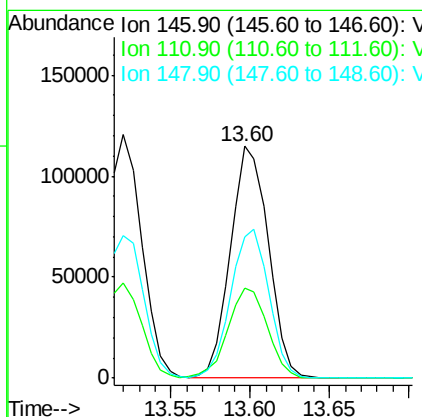
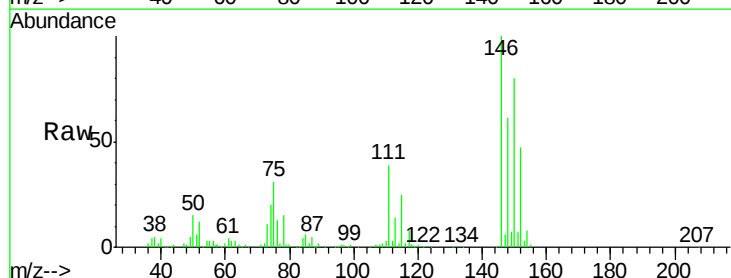
Manual Integrations
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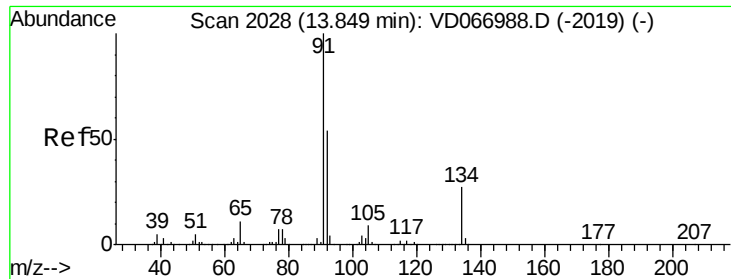
MMDadoda
 10/7/2020 12:10:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.515 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	190766		
111	40.5	19.6	58.7	
148	64.7	32.6	97.7	





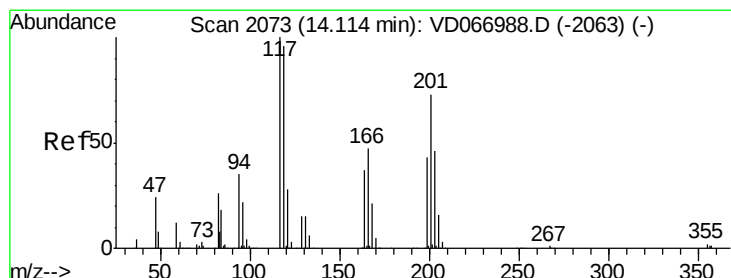
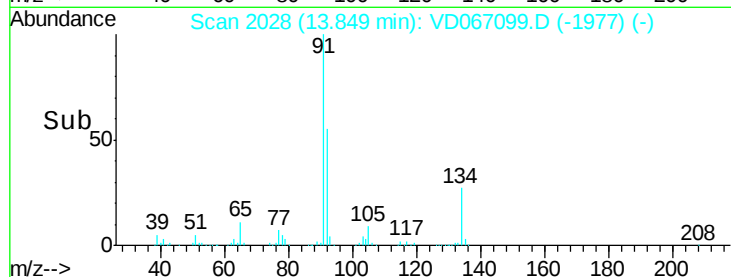
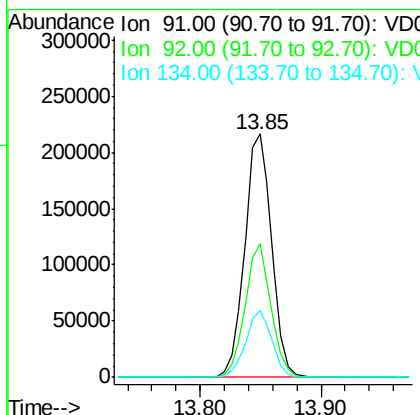
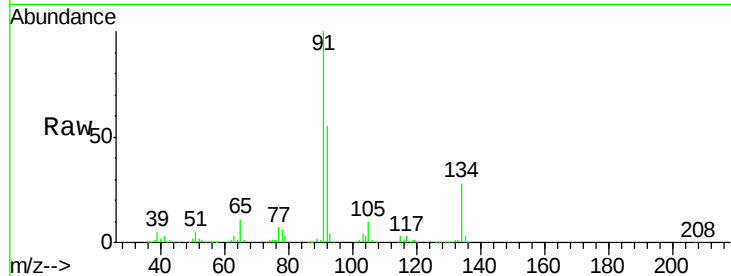
#89
n-Butylbenzene
Concen: 19.928 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.1	81.2
134	26.9	13.6	40.8

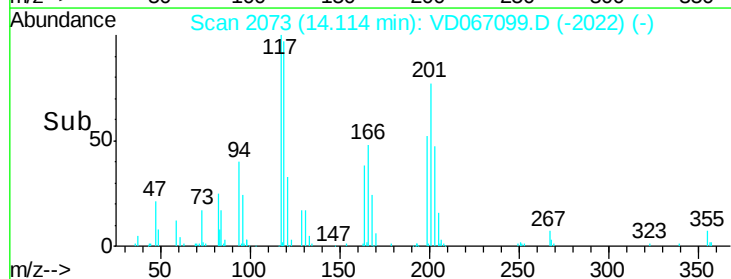
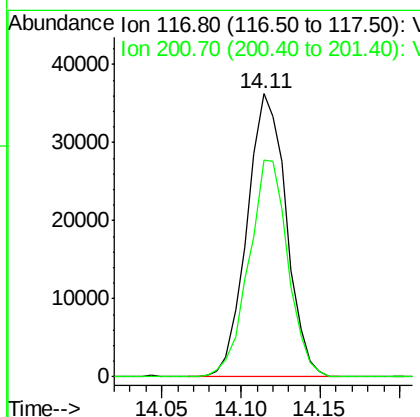
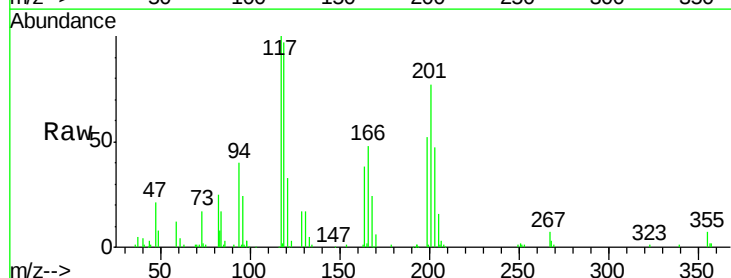
Manual Integrations
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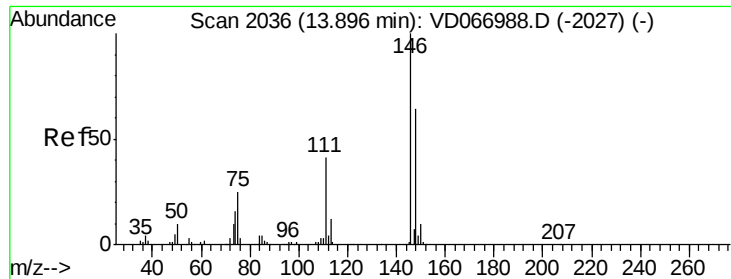
MMDadoda
10/7/2020 12:10:05 PM



#90
Hexachloroethane
Concen: 19.435 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.5	37.0	110.9





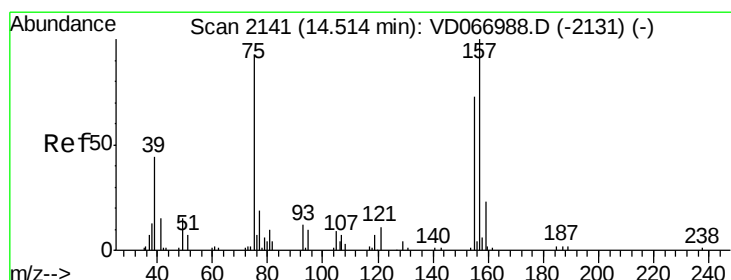
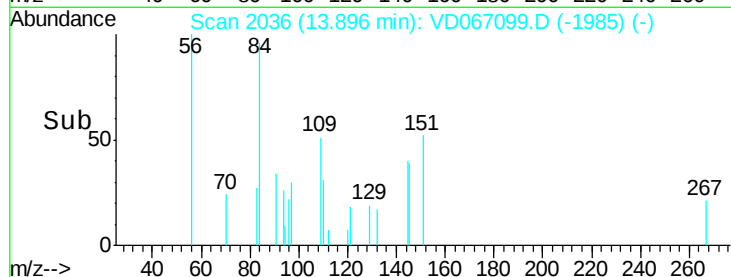
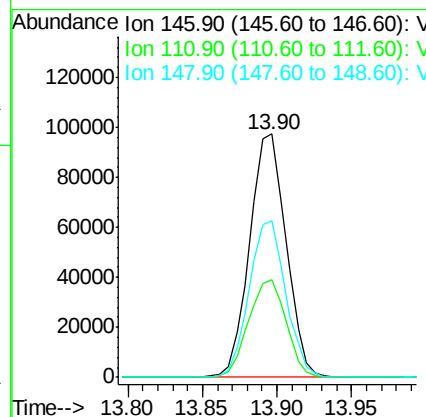
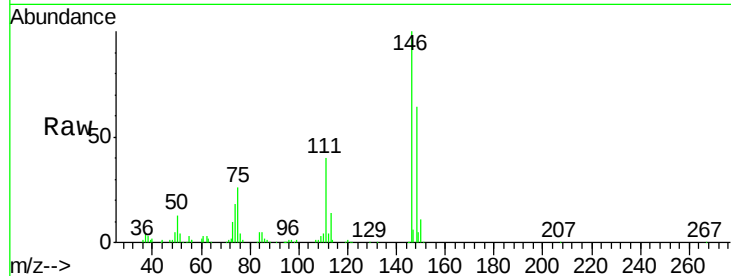
#91
 1,2-Dichlorobenzene
 Concen: 20.267 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.7
148	64.2	32.3	96.9

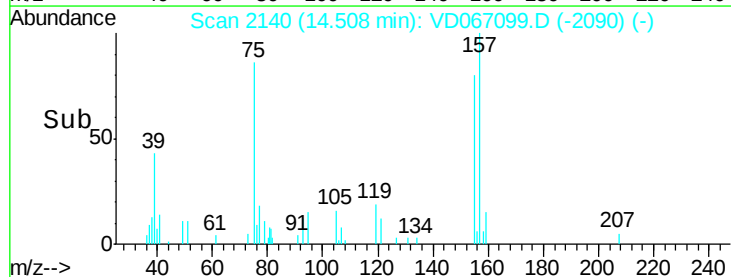
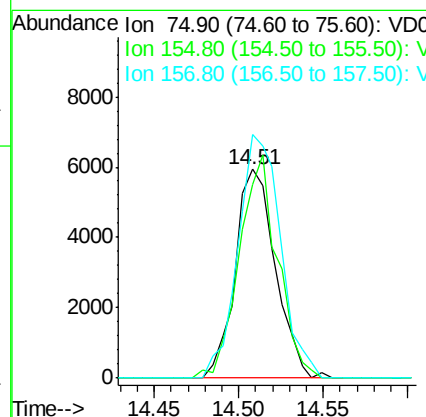
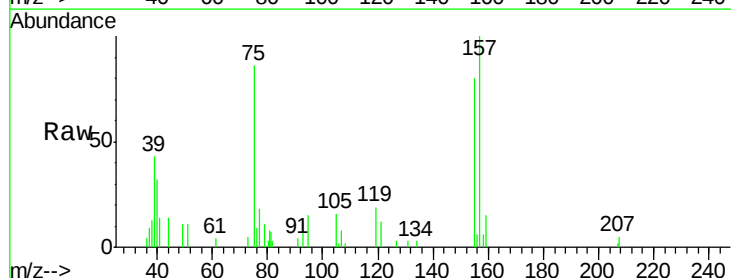
Manual Integrations
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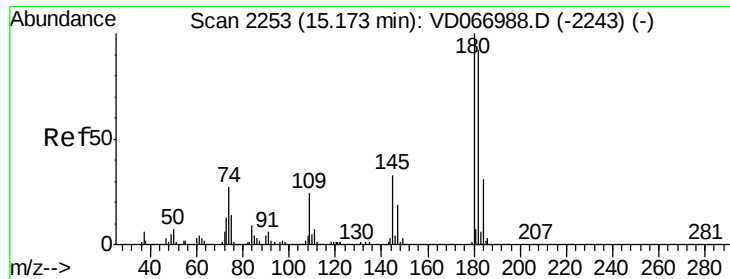
MMDadoda
 10/7/2020 12:10:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.259 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.1	45.2	135.6
157	123.7	56.3	168.8





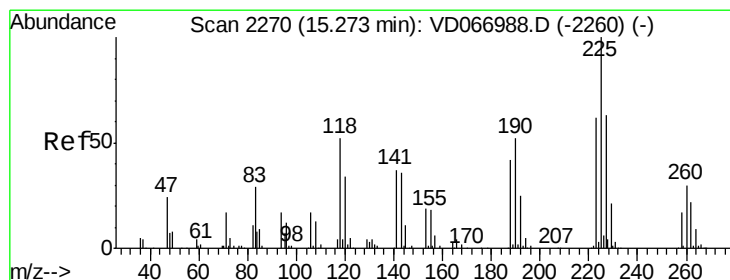
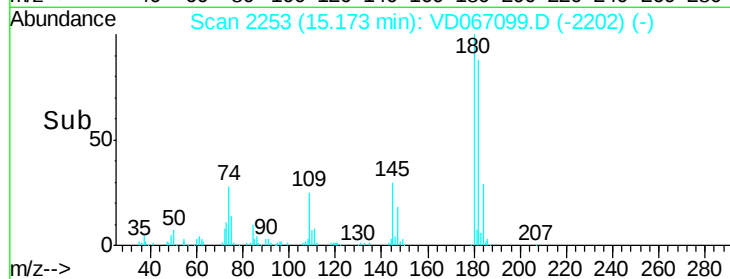
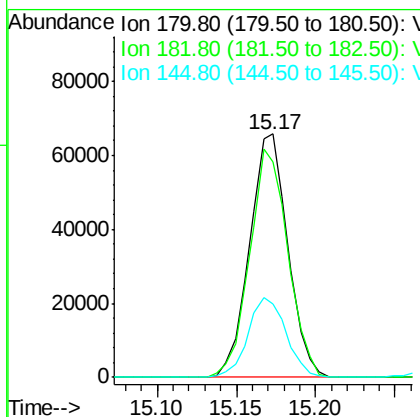
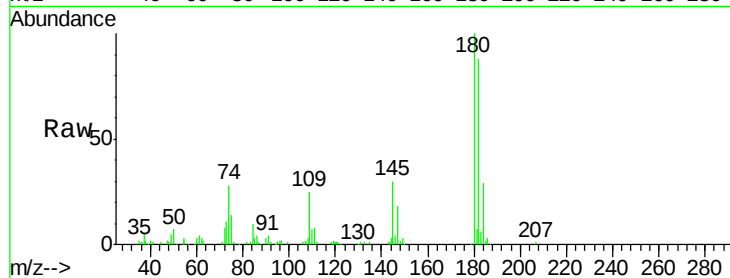
#93
 1,2,4-Trichlorobenzene
 Concen: 21.004 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110346		
182	93.9	47.3	142.0	
145	32.6	16.4	49.1	

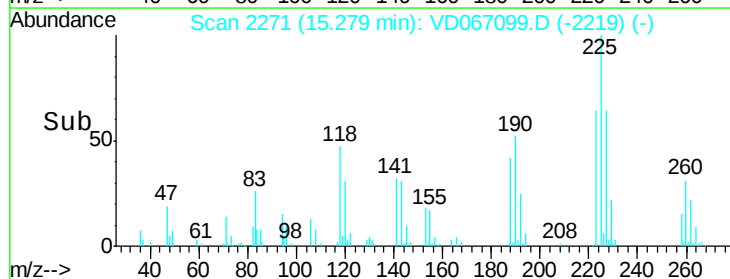
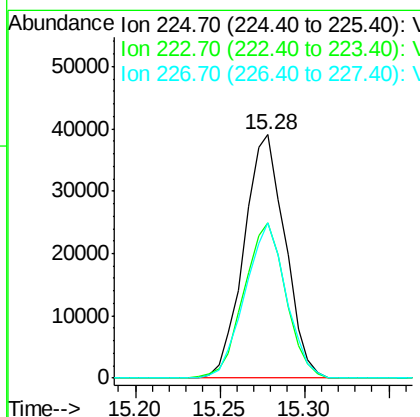
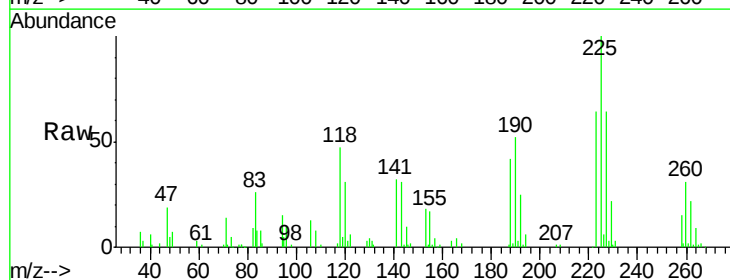
Manual Integrations
 APPROVED

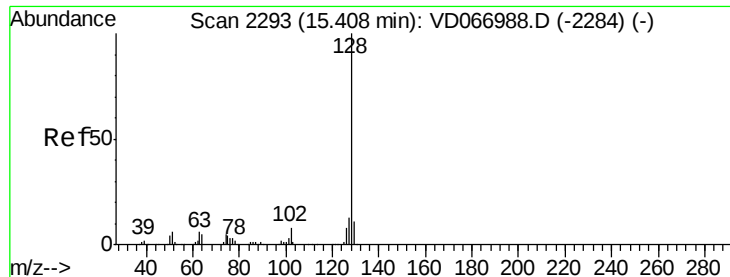
MMDadoda
 10/7/2020 12:10:05 PM



#94
 Hexachlorobutadiene
 Concen: 20.532 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067099.D
 Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66247		
223	64.6	32.4	97.0	
227	63.5	31.6	95.0	





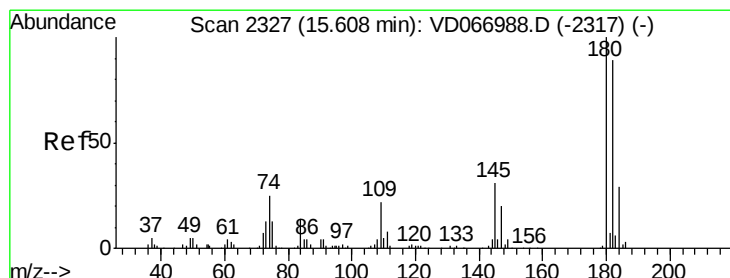
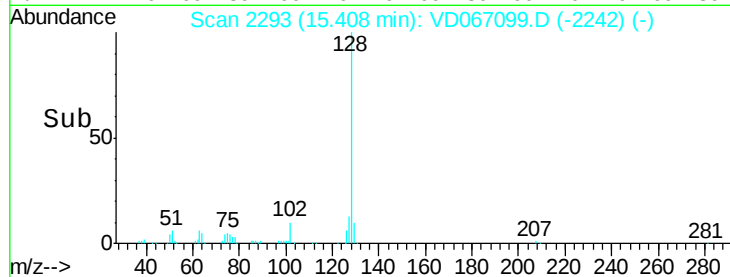
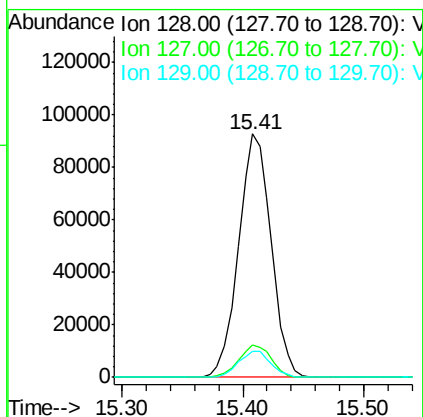
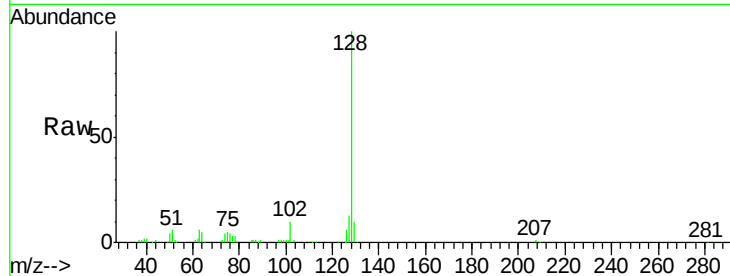
#95
Naphthalene
Concen: 19.861 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

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10/7/2020 12:10:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.957 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067099.D
Acq: 06 Oct 2020 11:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	46.4	139.1
145	35.3	16.6	49.7

