

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066968.D
 Acq On : 30 Sep 2020 12:41
 Operator : VA/SY
 Sample : VD0930SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Manual Integrations
 APPROVED

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 10/1/2020 2:41:46 PM

Quant Time: Oct 01 01:07:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	399141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	617942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	571488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287441	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	170325	43.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.20%	
35) Dibromofluoromethane	7.91	113	184250	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
50) Toluene-d8	10.34	98	645297	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.63	95	230316	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72947	23.077	ug/l	95
3) Chloromethane	2.21	50	69617	18.983	ug/l	99
4) Vinyl Chloride	2.35	62	69080	19.067	ug/l	100
5) Bromomethane	2.76	94	47741	18.747	ug/l	86
6) Chloroethane	2.92	64	42169	18.743	ug/l #	86
7) Trichlorofluoromethane	3.27	101	152423	20.485	ug/l	98
8) Diethyl Ether	3.71	74	37836	20.030	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90902	21.069	ug/l	98
10) Methyl Iodide	4.30	142	76819	20.177	ug/l	93
11) Tert butyl alcohol	5.22	59	29383	94.825	ug/l #	72
12) 1,1-Dichloroethene	4.07	96	81110	20.752	ug/l	90
13) Acrolein	3.91	56	21583	74.891	ug/l	97
14) Allyl chloride	4.72	41	108117	18.838	ug/l	98
15) Acrylonitrile	5.43	53	76930	91.898	ug/l	99
16) Acetone	4.16	43	60377	72.855	ug/l	96
17) Carbon Disulfide	4.41	76	235998	19.750	ug/l	99
18) Methyl Acetate	4.71	43	34963	16.475	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	166407	19.605	ug/l	93
20) Methylene Chloride	4.97	84	102242	19.283	ug/l	88
21) trans-1,2-Dichloroethene	5.47	96	93161	20.585	ug/l	93
22) Diisopropyl ether	6.36	45	236349	20.029	ug/l	97
23) Vinyl Acetate	6.31	43	547510	87.216	ug/l	100
24) 1,1-Dichloroethane	6.27	63	153607	19.458	ug/l #	98
25) 2-Butanone	7.21	43	85490	85.841	ug/l	99
26) 2,2-Dichloropropane	7.21	77	143232	19.795	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	100352	20.409	ug/l	98
28) Bromochloromethane	7.54	49	62444	19.147	ug/l	94
29) Tetrahydrofuran	7.56	42	58459	91.610	ug/l	98
30) Chloroform	7.71	83	165970	19.504	ug/l	100
31) Cyclohexane	7.98	56	136321	19.191	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	156245	20.297	ug/l	98
36) 1,1-Dichloropropene	8.11	75	127856	20.856	ug/l	97
37) Ethyl Acetate	7.28	43	45115	20.357	ug/l	99
38) Carbon Tetrachloride	8.10	117	143745	21.447	ug/l	94

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Manual Integrations
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 10/1/2020 2:41:46 PM

Quant Time: Oct 01 01:07:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	147952	21.020	ug/l	99
40) Benzene	8.35	78	361869	21.180	ug/l	95
41) Methacrylonitrile	7.53	41	22408m	16.441	ug/l	
42) 1,2-Dichloroethane	8.42	62	102614	20.316	ug/l	99
43) Isopropyl Acetate	8.45	43	78827	18.449	ug/l	99
44) Trichloroethene	9.11	130	104626	21.484	ug/l	98
45) 1,2-Dichloropropane	9.38	63	87341	20.318	ug/l	98
46) Dibromomethane	9.47	93	49156	21.046	ug/l	100
47) Bromodichloromethane	9.66	83	127959	20.394	ug/l #	99
48) Methyl methacrylate	9.46	41	43425	20.613	ug/l	89
49) 1,4-Dioxane	9.46	88	10363	320.767	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	202226	93.406	ug/l	97
52) Toluene	10.40	92	235264	21.377	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	111701	20.917	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	136644	20.985	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	66115	20.591	ug/l	97
56) Ethyl methacrylate	10.66	69	67524	19.631	ug/l	95
57) 1,3-Dichloropropane	10.94	76	110870	20.912	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	190353	116.877	ug/l	95
59) 2-Hexanone	10.98	43	135427	92.756	ug/l	98
60) Dibromochloromethane	11.14	129	89721	21.410	ug/l	99
61) 1,2-Dibromoethane	11.24	107	63008	21.098	ug/l	97
64) Tetrachloroethene	10.87	164	92134	22.413	ug/l	93
65) Chlorobenzene	11.67	112	254990	21.435	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	95949	21.311	ug/l	98
67) Ethyl Benzene	11.74	91	439853	21.053	ug/l	97
68) m/p-Xylenes	11.86	106	347708	43.956	ug/l	99
69) o-Xylene	12.18	106	150776	21.079	ug/l	99
70) Styrene	12.20	104	270669	21.790	ug/l	100
71) Bromoform	12.36	173	48577	21.310	ug/l #	100
73) Isopropylbenzene	12.48	105	426381	20.534	ug/l	98
74) N-amyl acetate	12.29	43	73124	18.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	66965	18.689	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	43114m	18.099	ug/l	
77) Bromobenzene	12.76	156	101732	20.948	ug/l	95
78) n-propylbenzene	12.82	91	513473	20.555	ug/l	99
79) 2-Chlorotoluene	12.91	91	291834	20.501	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	369342	20.963	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	20363	21.387	ug/l	95
82) 4-Chlorotoluene	13.01	91	309833	20.647	ug/l	100
83) tert-Butylbenzene	13.23	119	313550	21.657	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	365660	20.929	ug/l	99
85) sec-Butylbenzene	13.41	105	432759	20.786	ug/l	100
86) p-Isopropyltoluene	13.52	119	403239	21.487	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	200349	20.882	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	198518	20.832	ug/l	99
89) n-Butylbenzene	13.85	91	368712	20.671	ug/l	98
90) Hexachloroethane	14.12	117	74525	19.561	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	168586	20.538	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10829	18.788	ug/l	95

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ClientSampleId :
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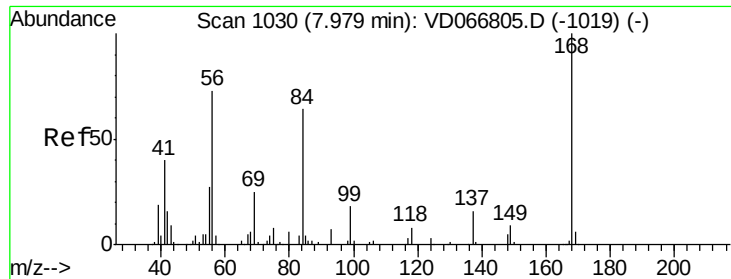
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	109921	21.272	ug/l	98
94) Hexachlorobutadiene	15.28	225	66089	21.343	ug/l	98
95) Naphthalene	15.41	128	166559	18.985	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	95073	21.317	ug/l	99

(#) = 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: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion:168 Resp: 399141

Ion Ratio Lower Upper

168 100

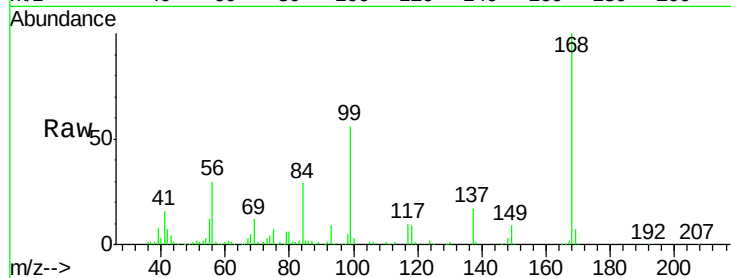
99 56.1 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

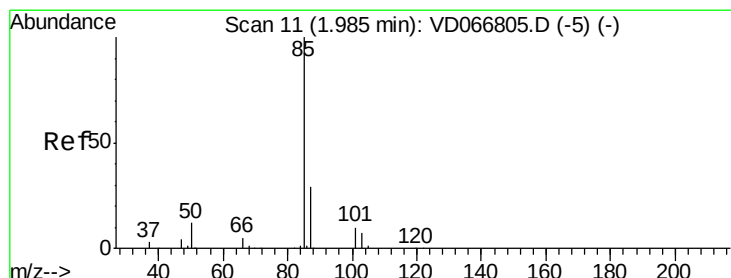
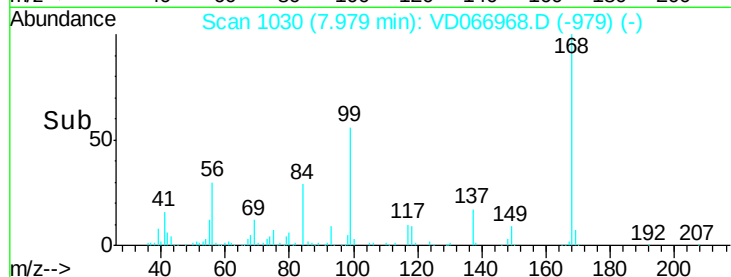
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.077 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066968.D

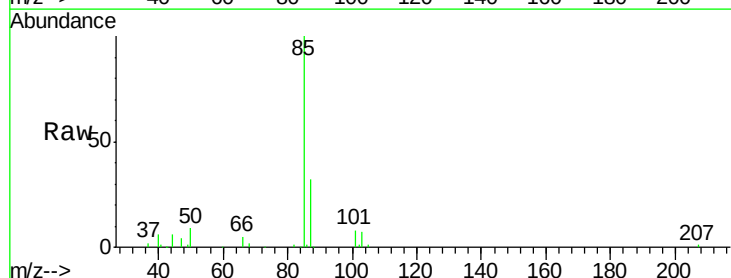
Acq: 30 Sep 2020 12:41

Tgt Ion: 85 Resp: 72947

Ion Ratio Lower Upper

85 100

87 31.5 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

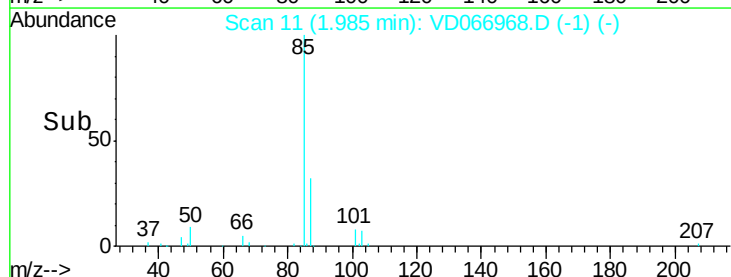
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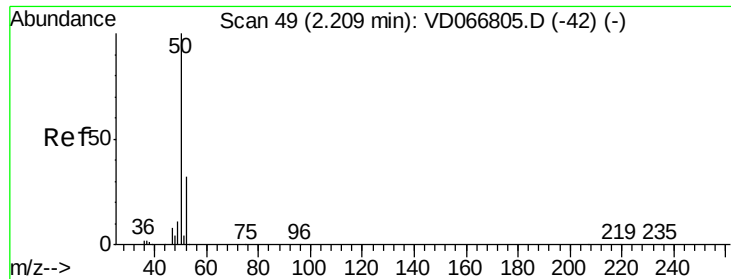
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 18.983 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 50 Resp: 69617

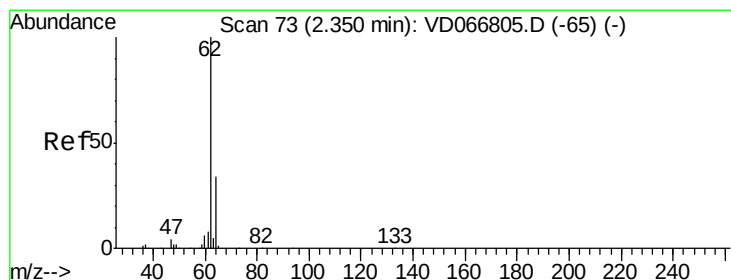
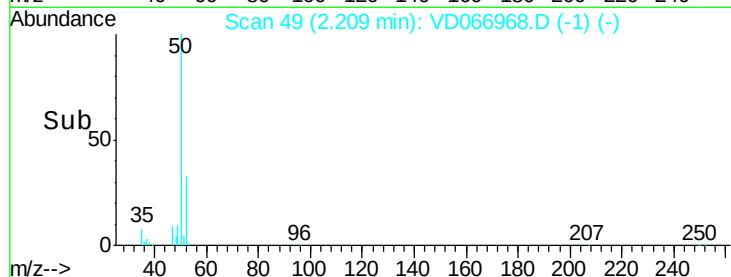
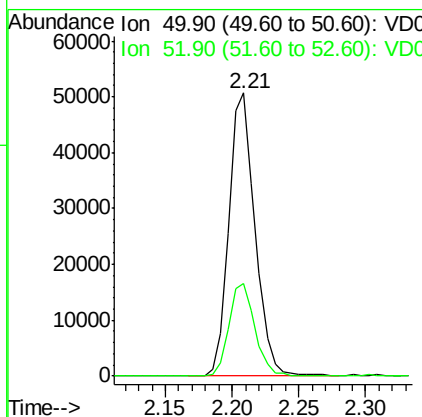
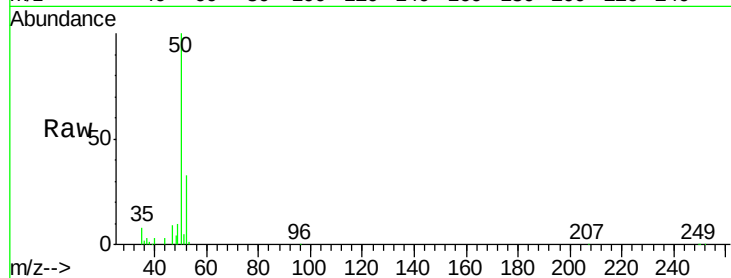
Ion Ratio Lower Upper

50 100

52 32.7 25.5 38.3

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#4

Vinyl Chloride

Concen: 19.067 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066968.D

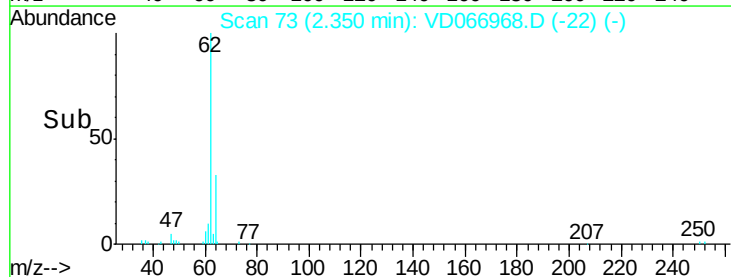
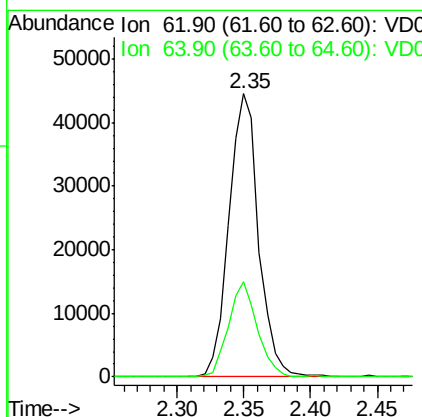
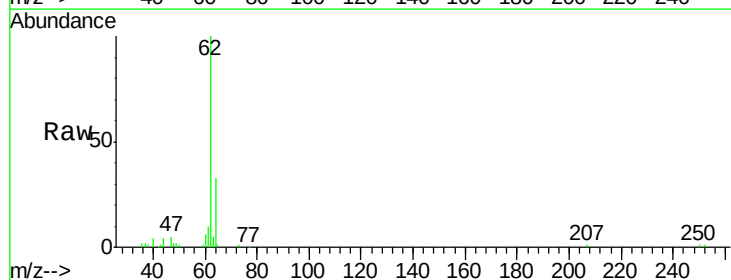
Acq: 30 Sep 2020 12:41

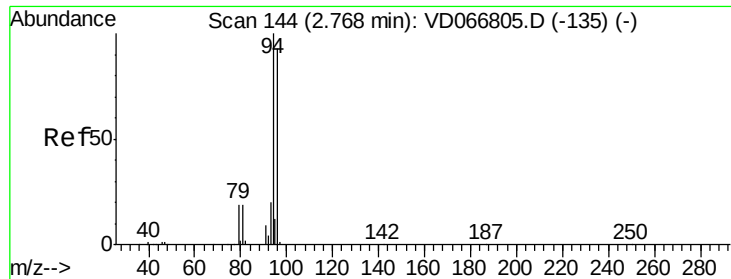
Tgt Ion: 62 Resp: 69080

Ion Ratio Lower Upper

62 100

64 33.4 27.0 40.4





#5

Bromomethane

Concen: 18.747 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 94 Resp: 47741

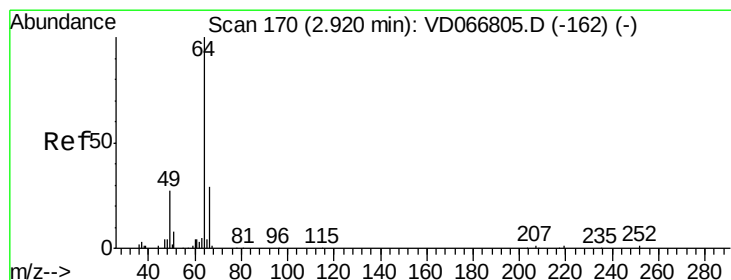
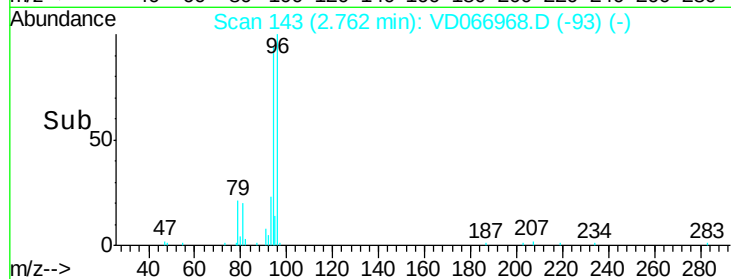
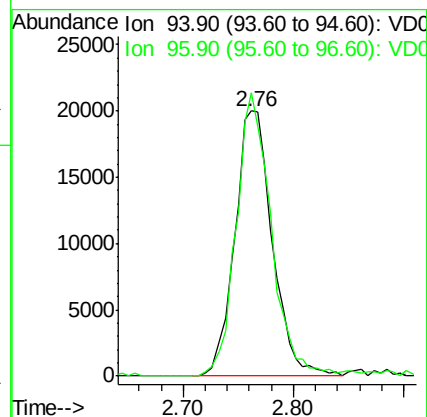
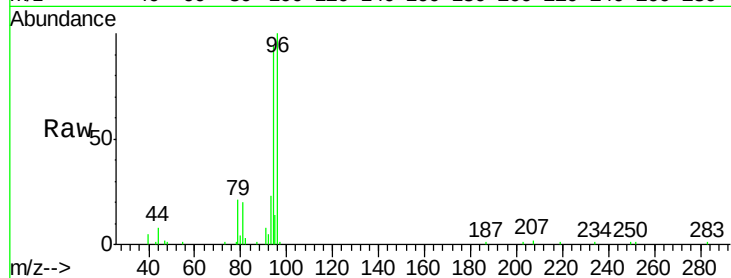
Ion Ratio Lower Upper

94 100

96 106.8 74.3 111.5

Manual Integrations
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#6

Chloroethane

Concen: 18.743 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066968.D

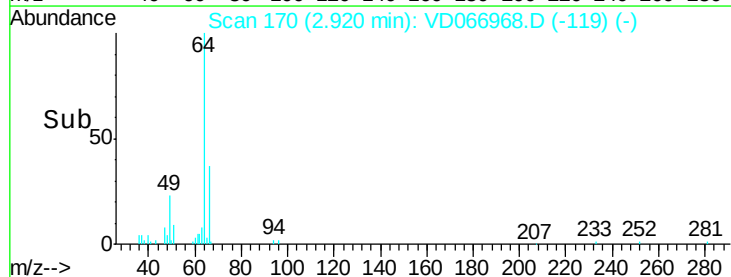
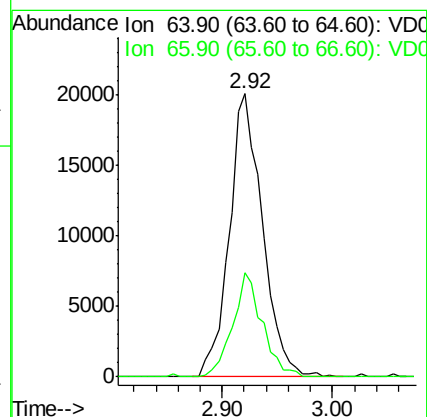
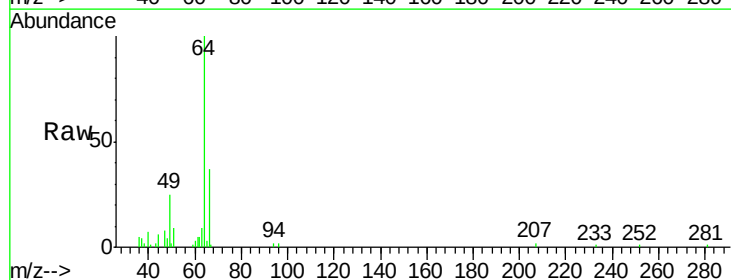
Acq: 30 Sep 2020 12:41

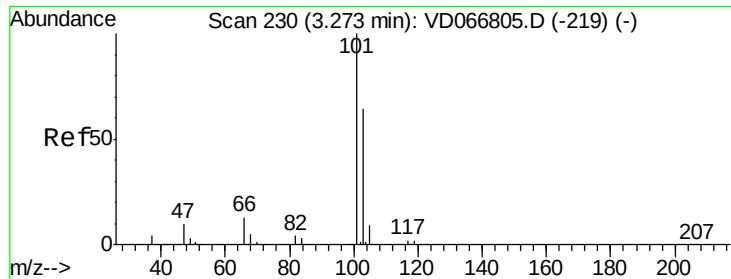
Tgt Ion: 64 Resp: 42169

Ion Ratio Lower Upper

64 100

66 36.8 23.3 34.9#





#7

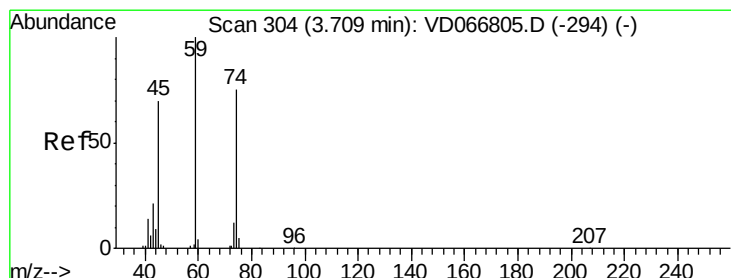
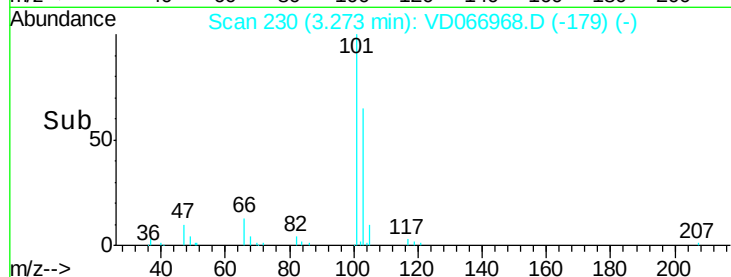
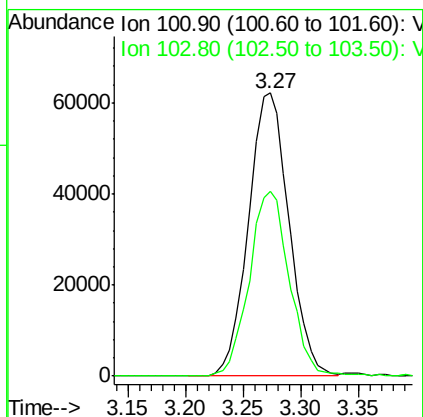
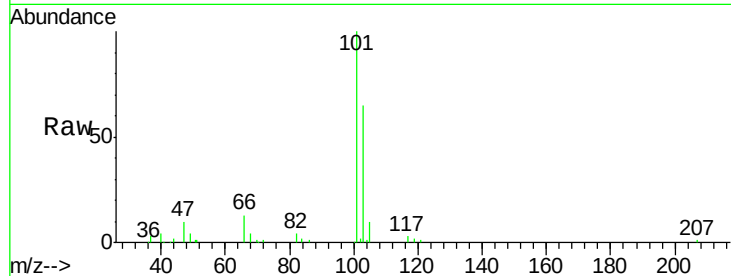
Trichlorofluoromethane
 Concen: 20.485 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.0	76.6

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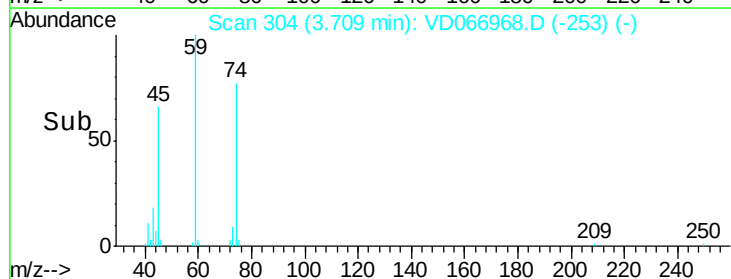
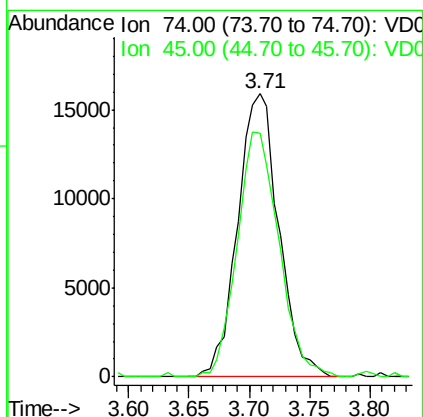
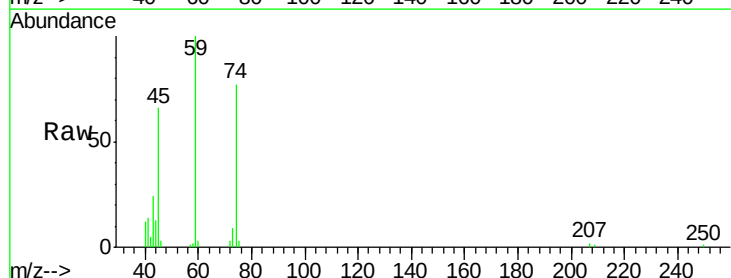
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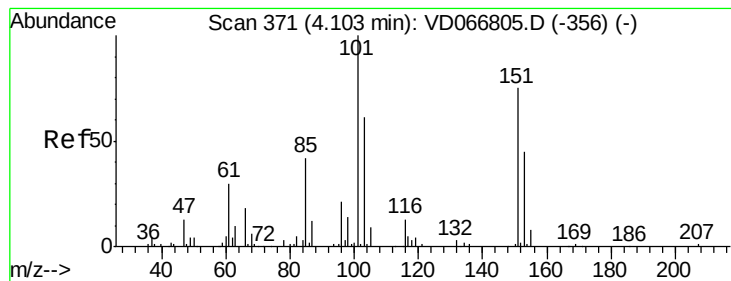


#8

Diethyl Ether
 Concen: 20.030 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.8	46.0	138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.069 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

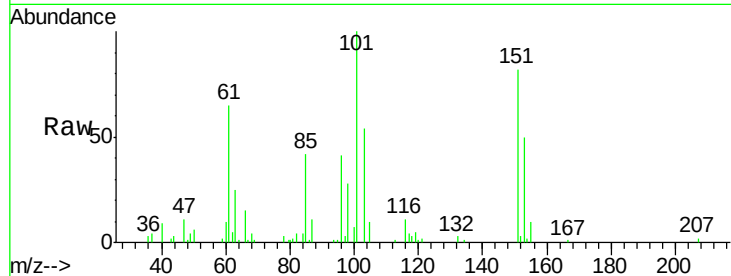
ClientSampleId :

VD0930SBS01

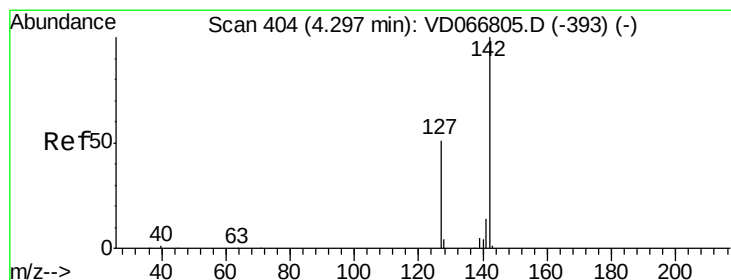
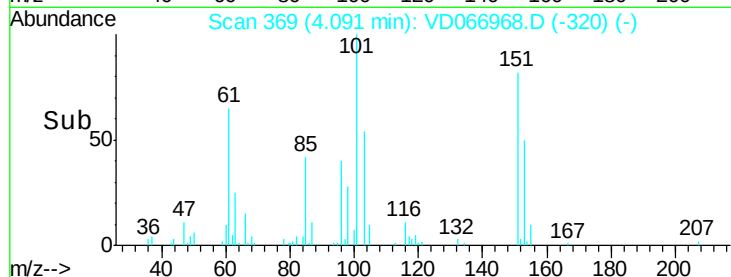
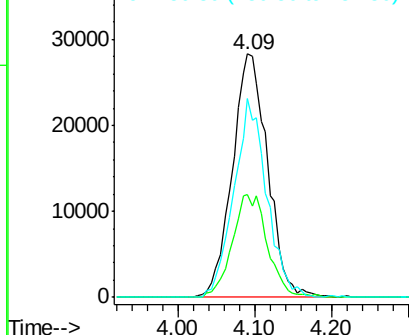
Tot Ion:	101	Resp:	90902
Ion Ratio	Lower	Upper	
101	100		
85	42.0	35.4	53.2
151	75.9	61.4	92.0

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



#10

Methyl Iodide

Concen: 20.177 ug/l

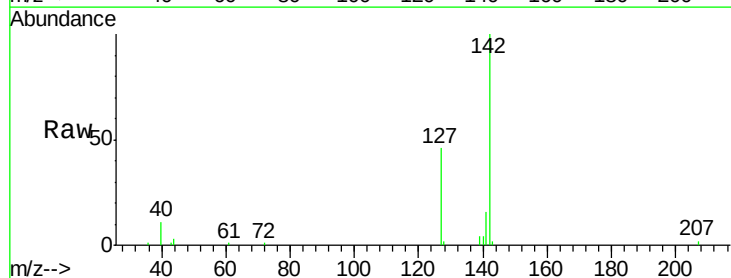
RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

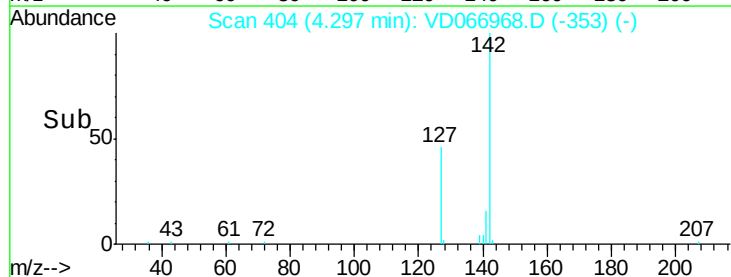
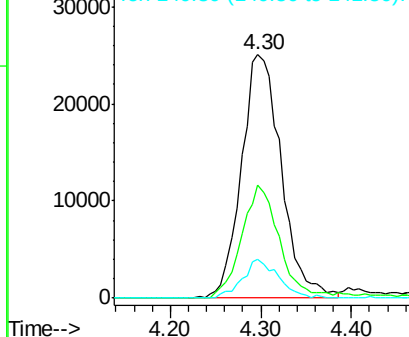
Lab File: VD066968.D

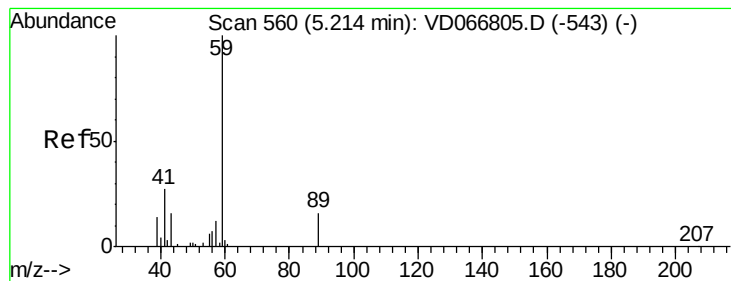
Acq: 30 Sep 2020 12:41

Tgt Ion:	142	Resp:	76819
Ion Ratio	Lower	Upper	
142	100		
127	43.5	39.4	59.0
141	14.0	12.1	18.1



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





#11

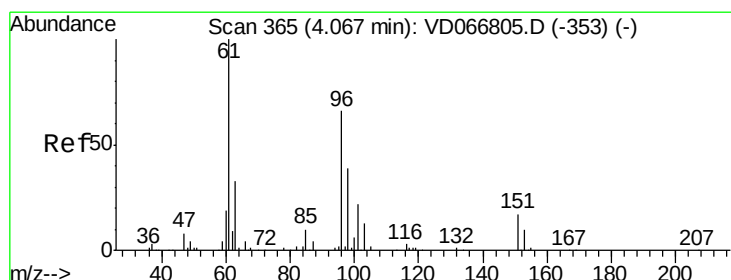
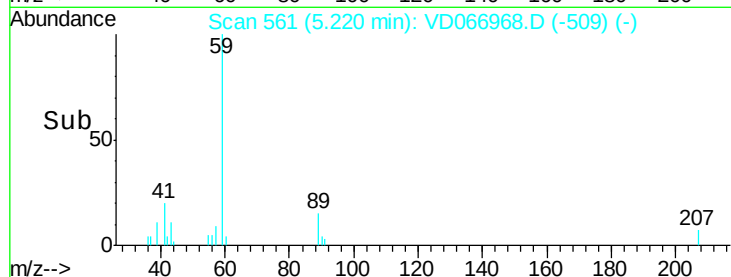
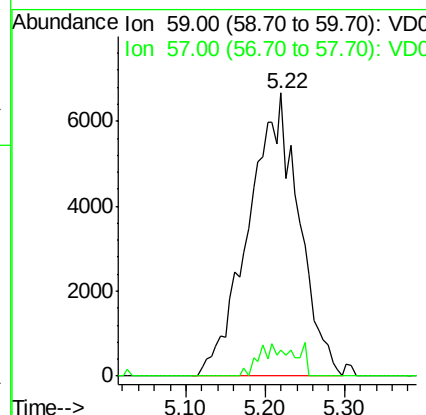
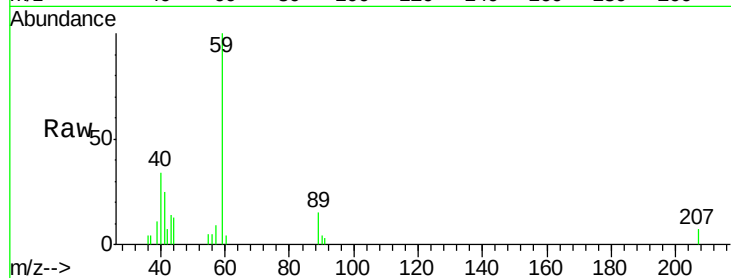
Tert butyl alcohol
Concen: 94.825 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	59	Resp	29383
Ion Ratio	100	Lower	Upper
57	0.0	8.3	12.5#

Manual Integrations
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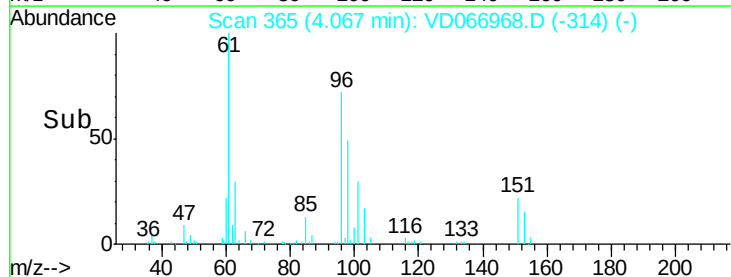
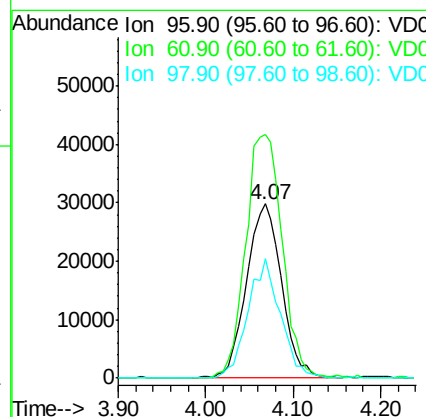
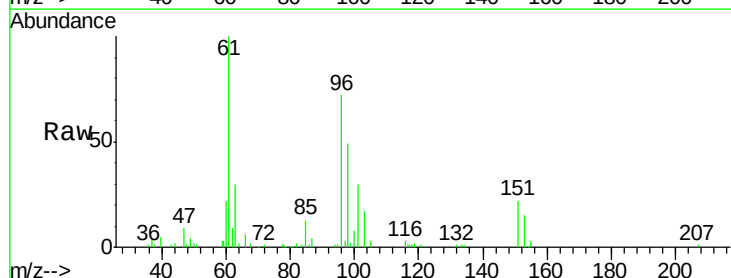
MMDadoda
10/1/2020 2:41:46 PM

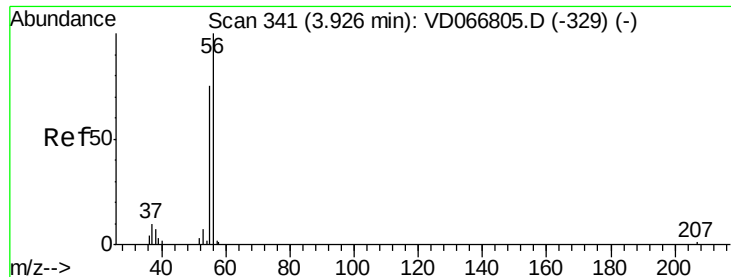


#12

1,1-Dichloroethene
Concen: 20.752 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion	96	Resp	81110
Ion Ratio	100	Lower	Upper
61	139.8	120.8	181.2
98	68.8	47.7	71.5





#13

Acrolein

Concen: 74.891 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 56 Resp: 21583

Ion Ratio Lower Upper

56 100

55 72.5

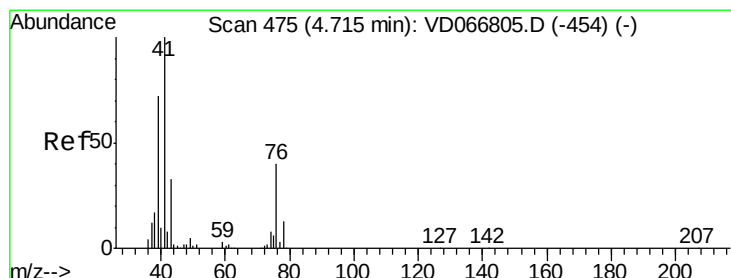
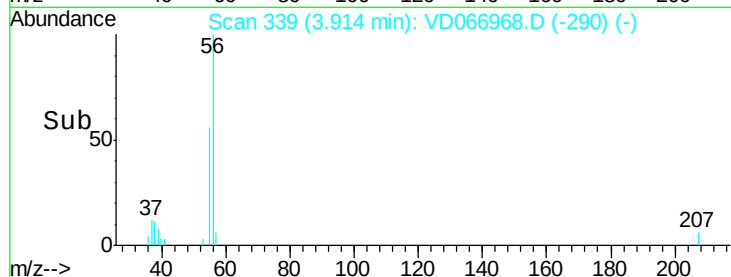
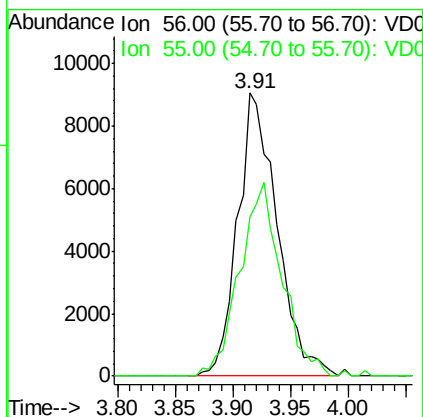
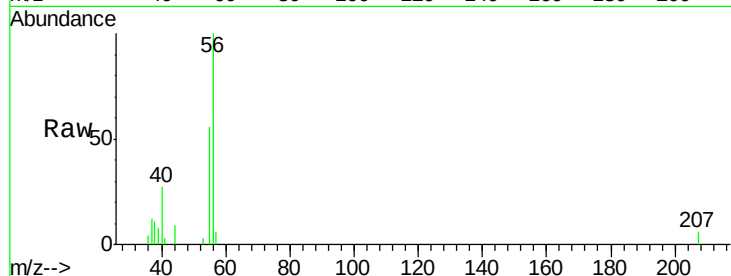
60.3 90.5

Manual Integrations

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#14

Allyl chloride

Concen: 18.838 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Tgt Ion: 41 Resp: 108117

Ion Ratio Lower Upper

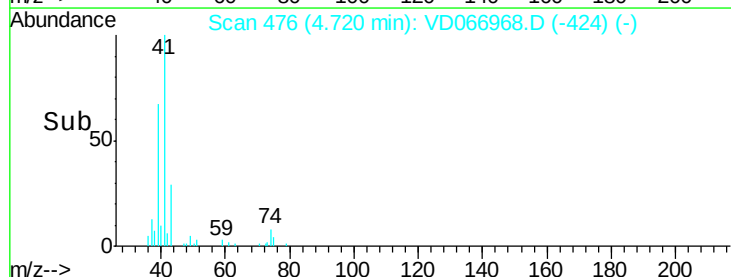
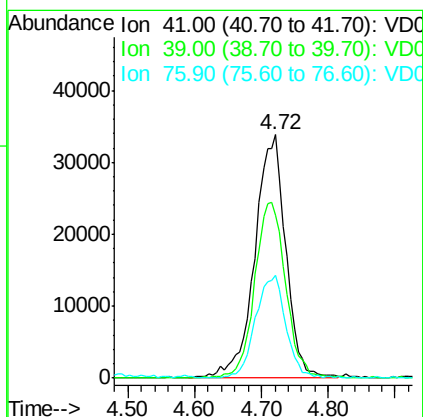
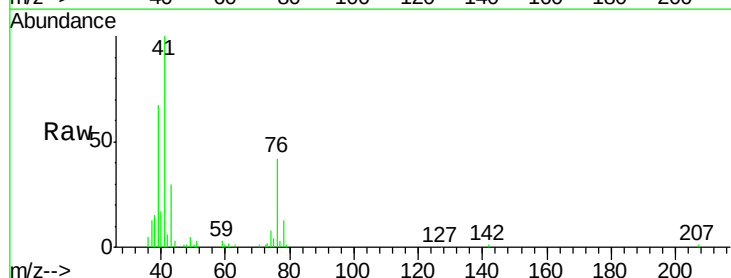
41 100

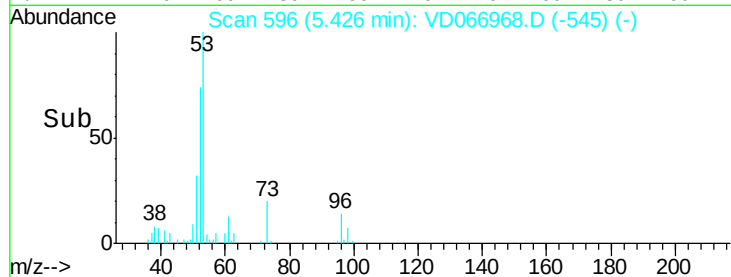
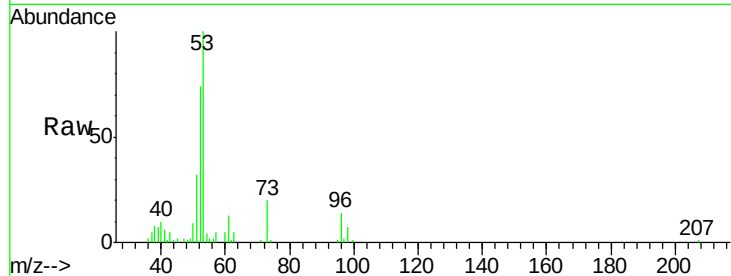
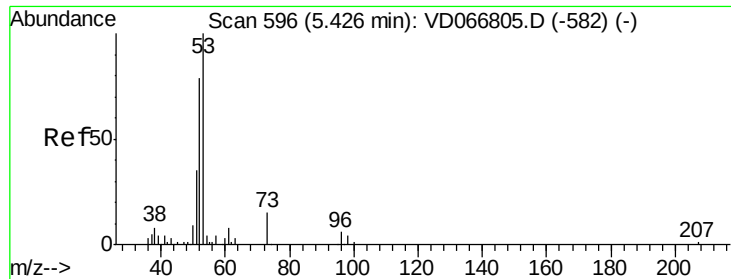
39 72.7

57.8 86.8

76 41.2

30.9 46.3





#15

Acrylonitrile

Concen: 91.898 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Tot Ion:	53	Resp:	76930
Ion Ratio	Lower	Upper	
53	100		
52	81.0	65.2	97.8
51	38.6	30.6	46.0

Instrument :

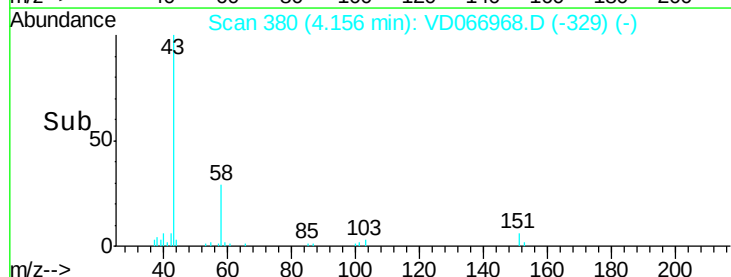
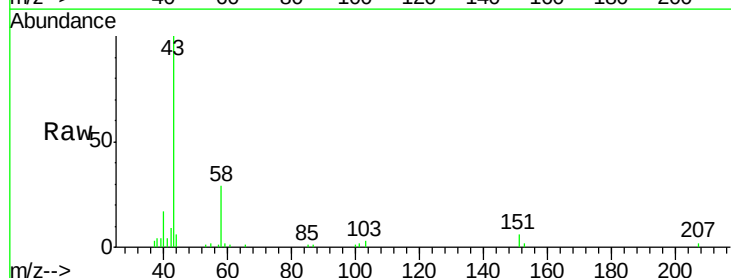
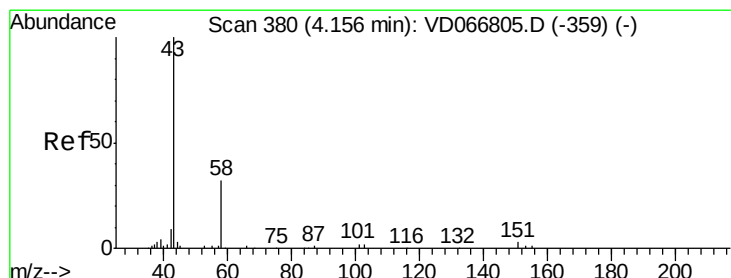
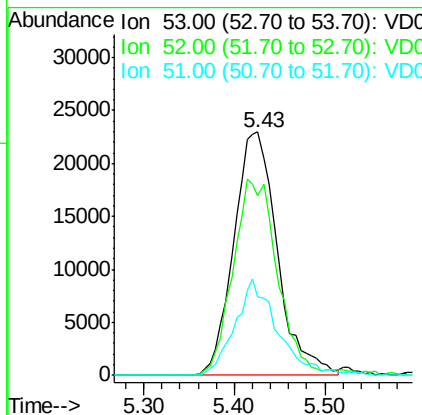
MSVOA_D

ClientSampleId :

VD0930SBS01

Manual Integrations
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#16

Acetone

Concen: 72.855 ug/l

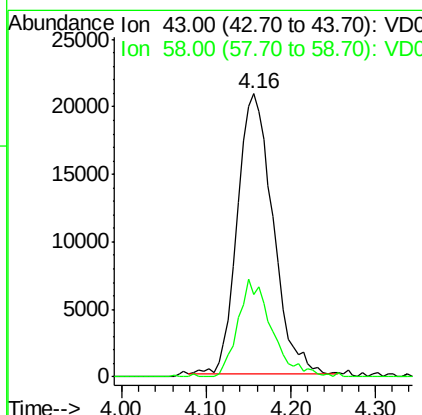
RT: 4.16 min Scan# 380

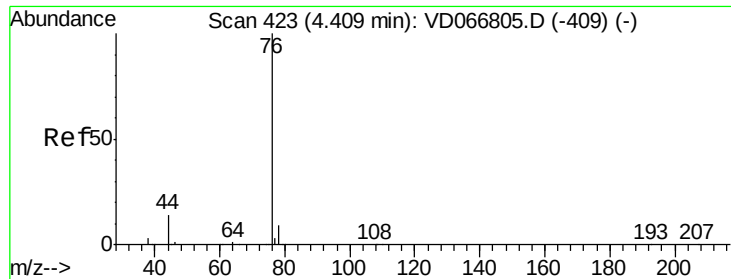
Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Tgt Ion:	43	Resp:	60377
Ion Ratio	Lower	Upper	
43	100		
58	29.5	25.6	38.4





#17

Carbon Disulfide

Concen: 19.750 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 76 Resp: 235998

Ion Ratio Lower Upper

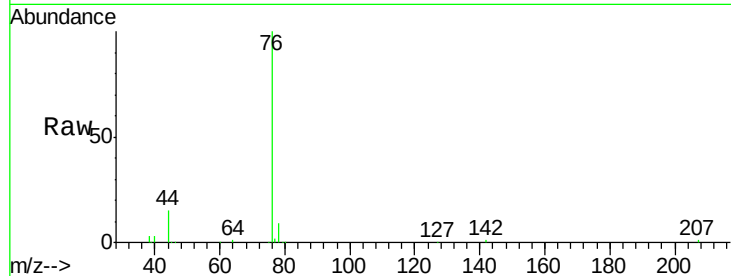
76 100

78 9.1 7.6 11.4

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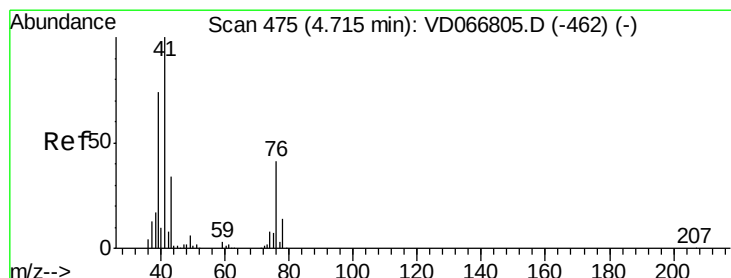
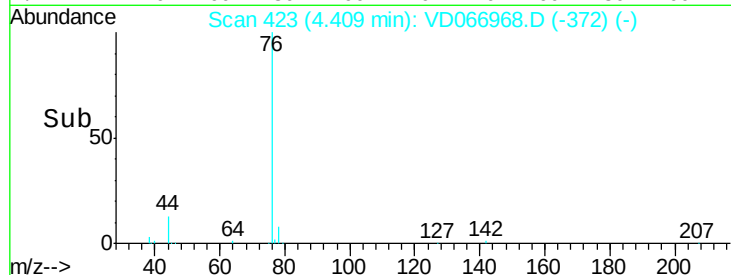
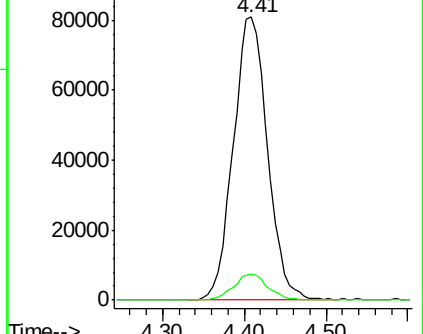
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 16.475 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066968.D

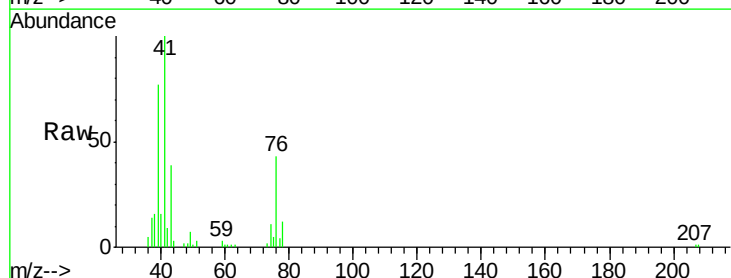
Acq: 30 Sep 2020 12:41

Tgt Ion: 43 Resp: 34963

Ion Ratio Lower Upper

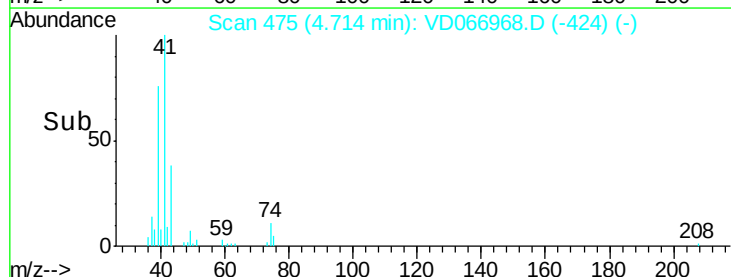
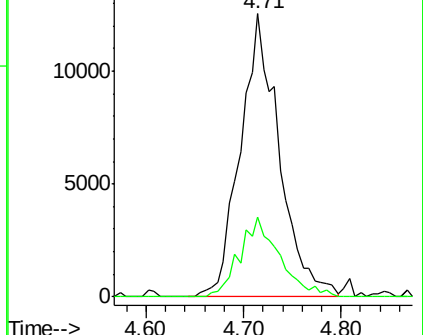
43 100

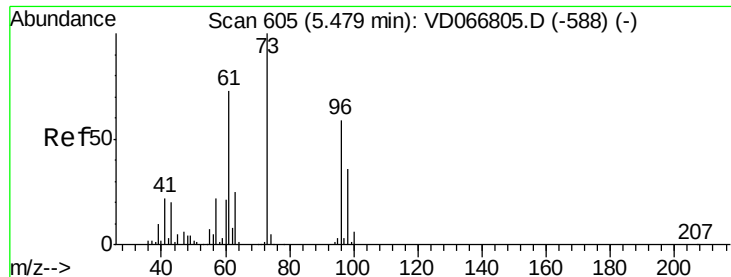
74 28.8 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





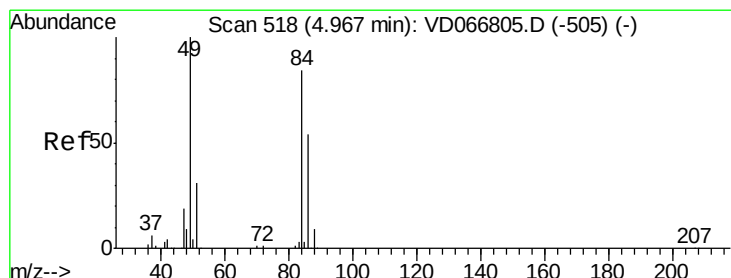
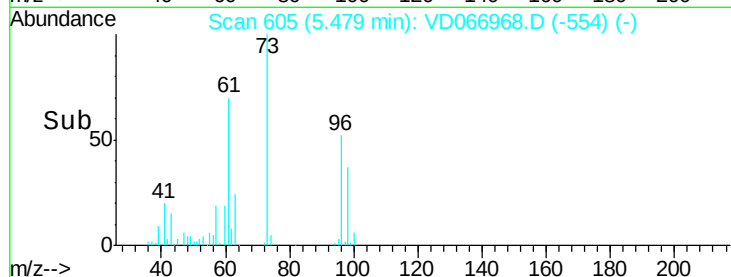
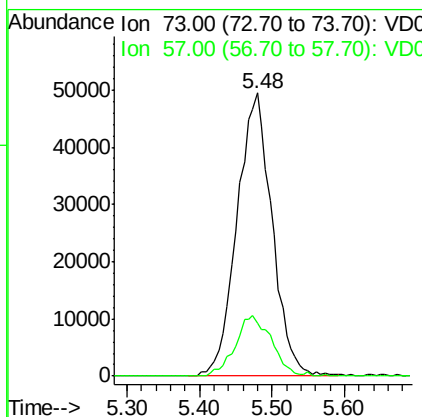
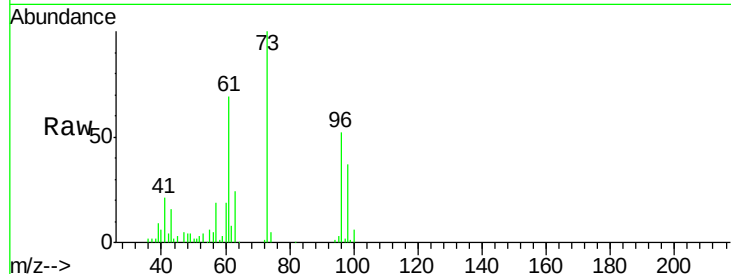
#19
Methyl tert-butyl Ether
Concen: 19.605 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion: 73 Resp: 166407
Ion Ratio Lower Upper
73 100
57 18.6 17.4 26.2

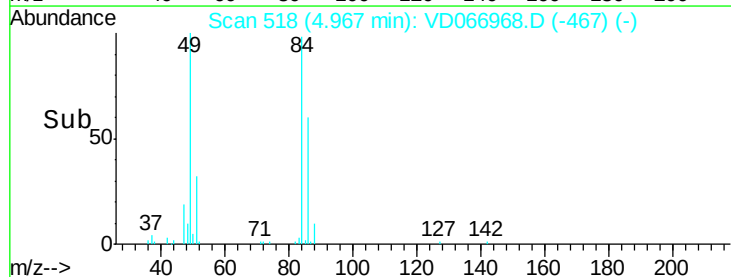
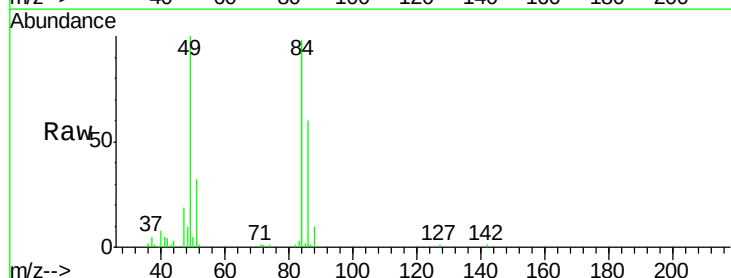
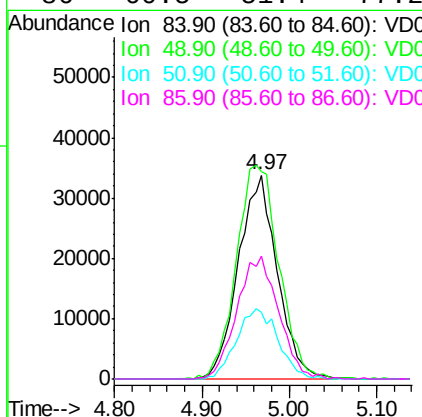
Manual Integrations
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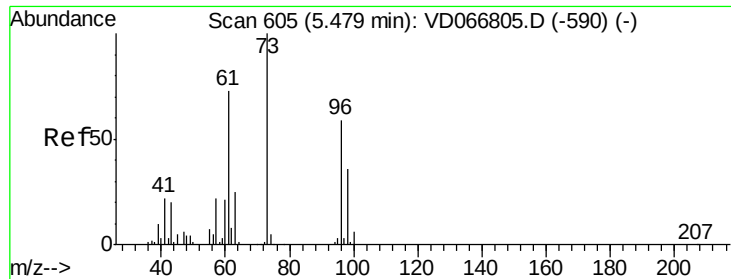
MMDadoda
10/1/2020 2:41:46 PM



#20
Methylene Chloride
Concen: 19.283 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion: 84 Resp: 102242
Ion Ratio Lower Upper
84 100
49 101.1 95.4 143.2
51 32.6 29.7 44.5
86 60.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.585 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

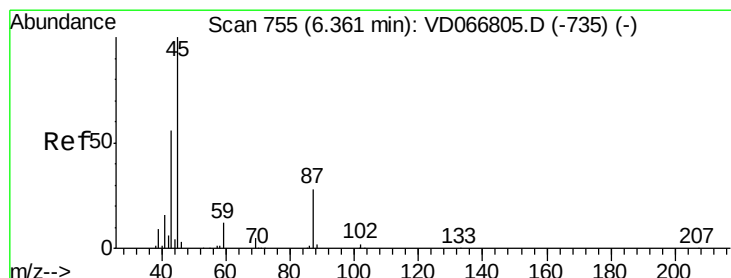
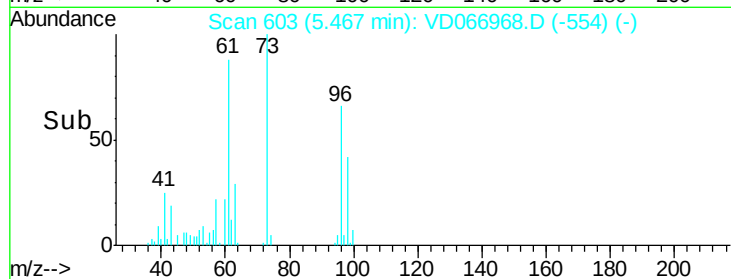
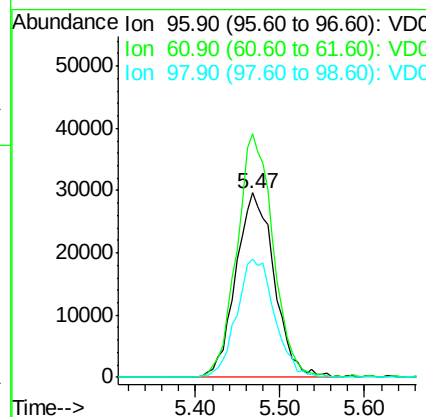
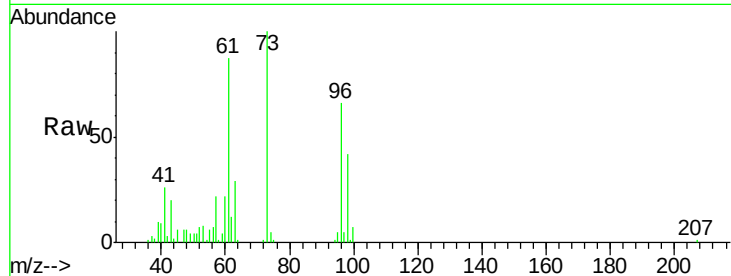
ClientSampleId :

VD0930SBS01

Tot Ion:	96	Resp:	93161
Ion	Ratio	Lower	Upper
96	100		
61	132.2	98.9	148.3
98	63.9	48.4	72.6

Manual Integrations
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MMDadoda
10/1/2020 2:41:46 PM



#22

Diisopropyl ether

Concen: 20.029 ug/l

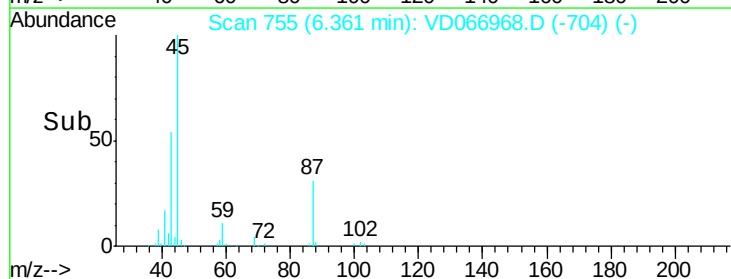
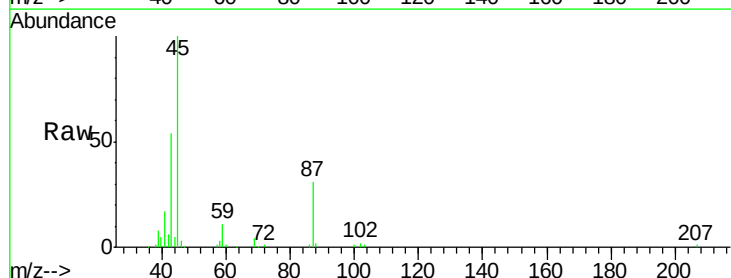
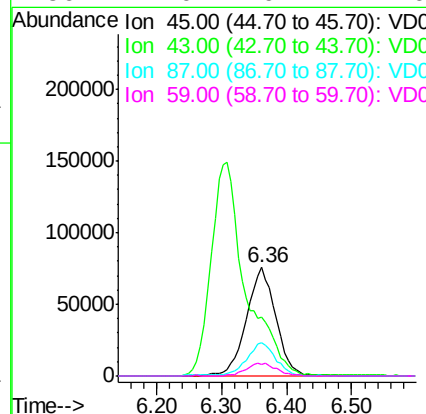
RT: 6.36 min Scan# 755

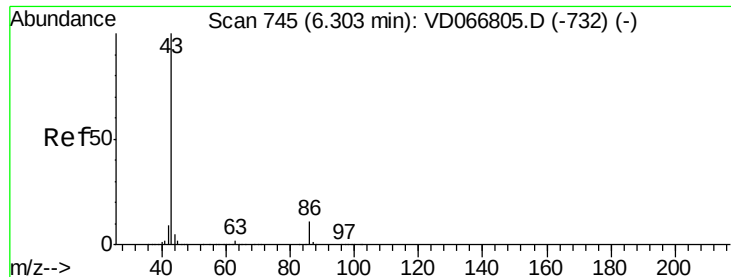
Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Tgt Ion:	45	Resp:	236349
Ion	Ratio	Lower	Upper
45	100		
43	53.3	44.5	66.7
87	31.0	22.9	34.3
59	11.0	9.4	14.0





#23

Vinyl Acetate

Concen: 87.216 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 43 Resp: 547510

Ion Ratio Lower Upper

43 100

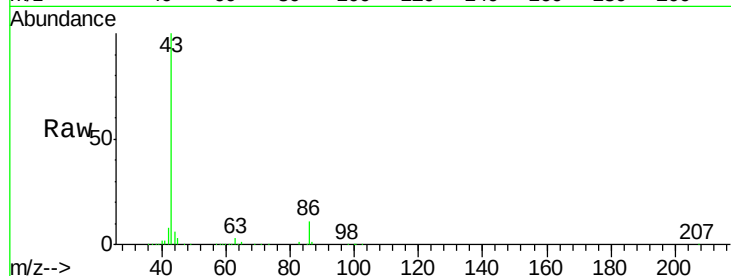
86 11.1 8.9 13.3

Manual Integrations

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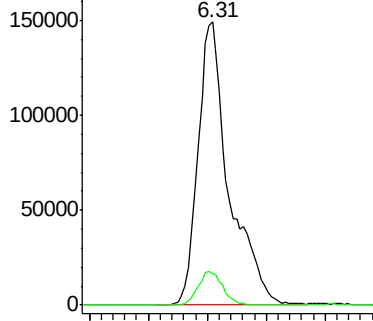
MMDadoda

10/1/2020 2:41:46 PM

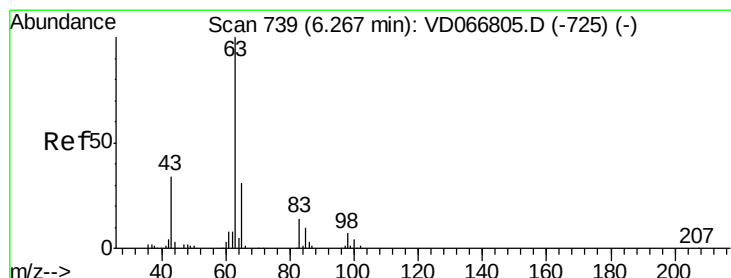
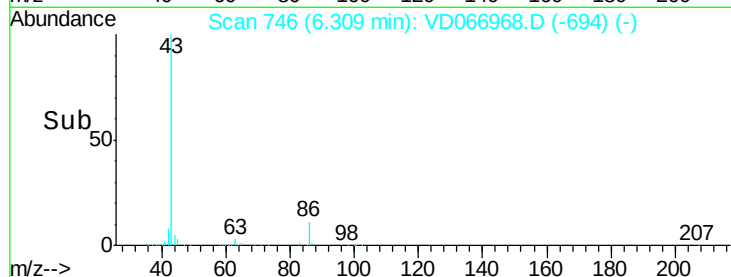


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 19.458 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

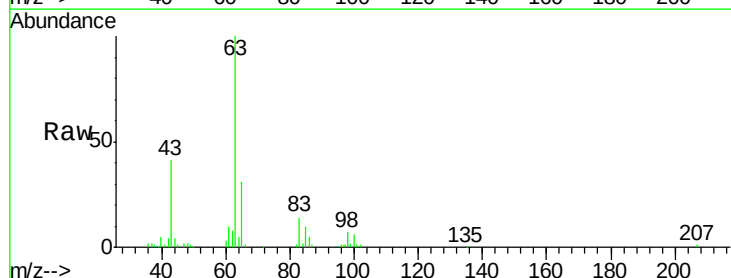
Tgt Ion: 63 Resp: 153607

Ion Ratio Lower Upper

63 100

98 7.4 3.7 11.1

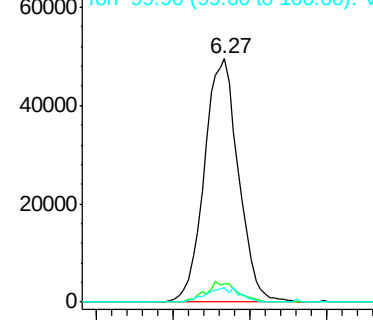
100 6.0 1.8 5.5#



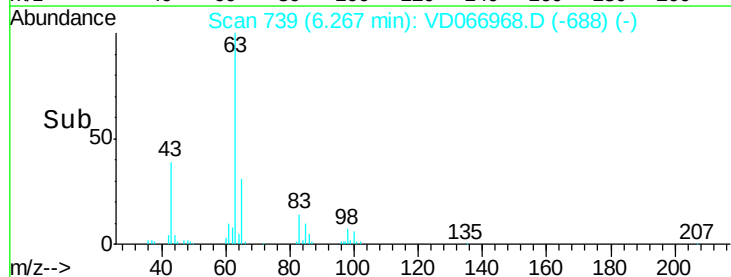
Abundance Ion 62.90 (62.60 to 63.60): VDC

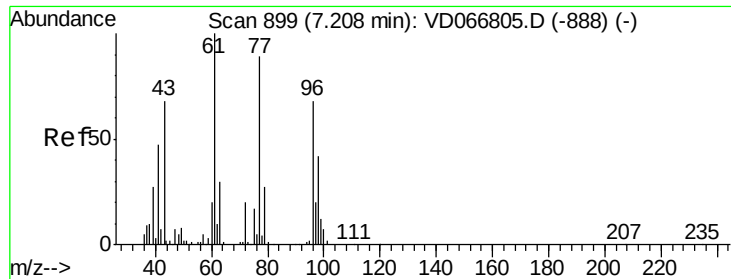
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time--> 6.10 6.20 6.30 6.40





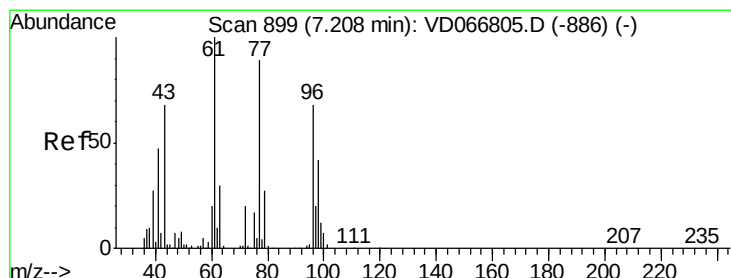
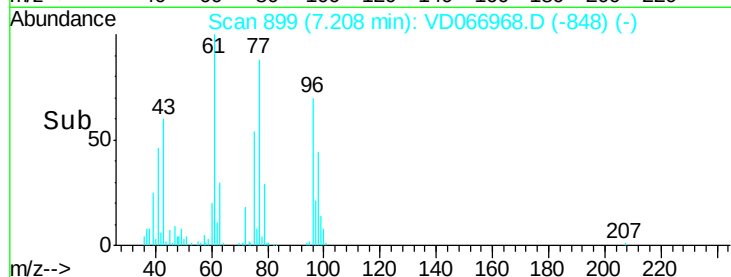
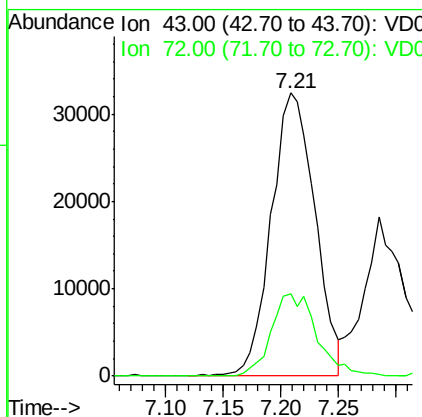
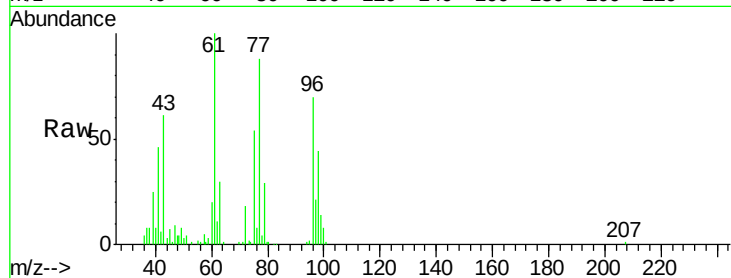
#25
2-Butanone
Concen: 85.841 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion: 43 Resp: 85490
Ion Ratio Lower Upper
43 100
72 29.1 22.9 34.3

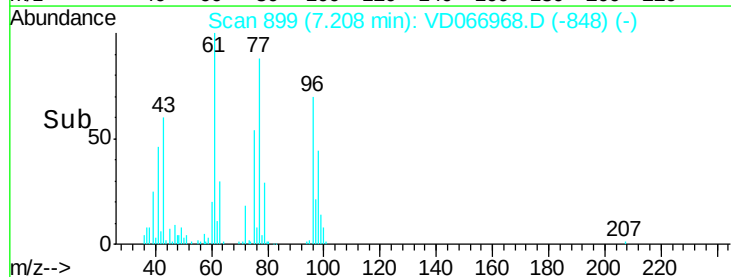
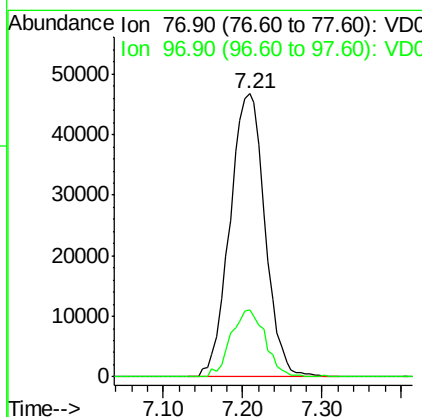
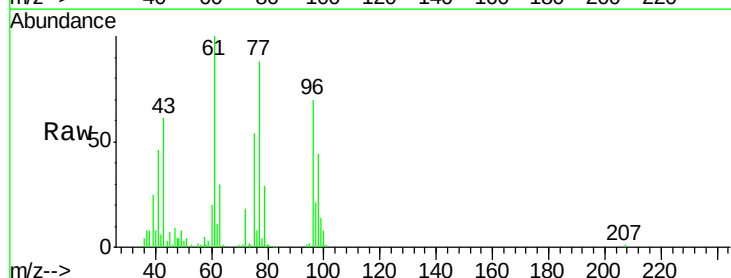
Manual Integrations
APPROVED

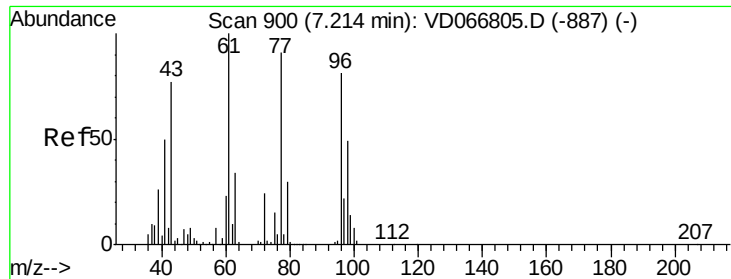
MMDadoda
10/1/2020 2:41:46 PM



#26
2,2-Dichloropropane
Concen: 19.795 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion: 77 Resp: 143232
Ion Ratio Lower Upper
77 100
97 23.1 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 20.409 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

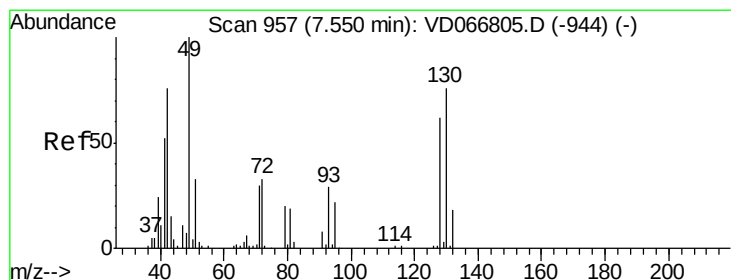
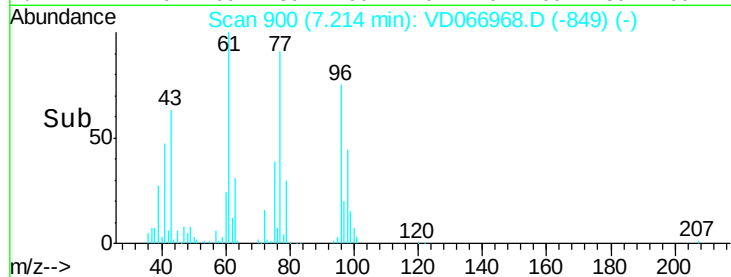
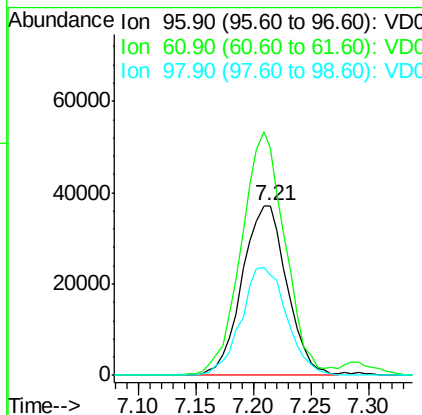
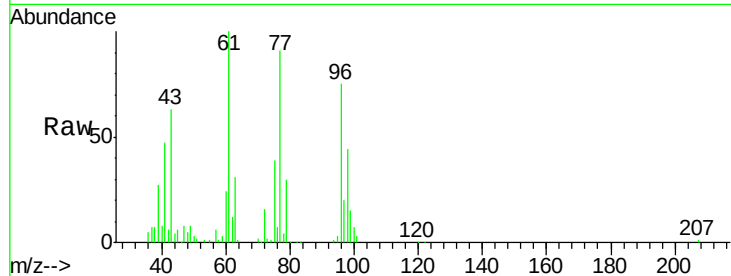
ClientSampleId :

VD0930SBS01

Tot Ion:	96	Resp:	100352
Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	283.8
98	64.7	0.0	128.4

Manual Integrations
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10/1/2020 2:41:46 PM



#28

Bromochloromethane

Concen: 19.147 ug/l

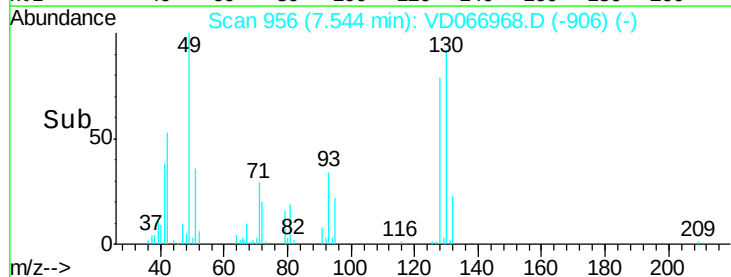
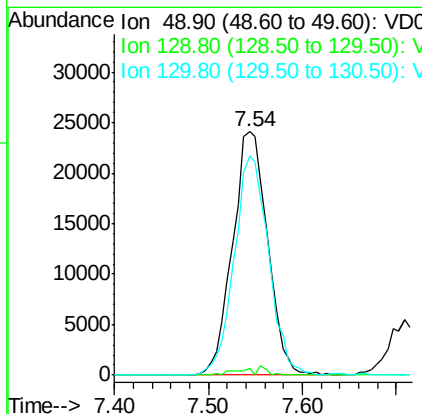
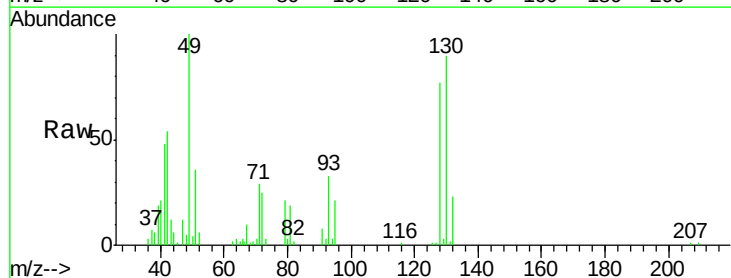
RT: 7.54 min Scan# 956

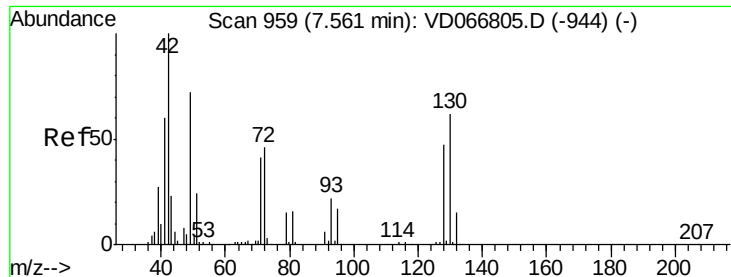
Delta R.T. -0.01 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Tgt Ion:	49	Resp:	62444
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	2.0
130	88.1	65.9	98.9





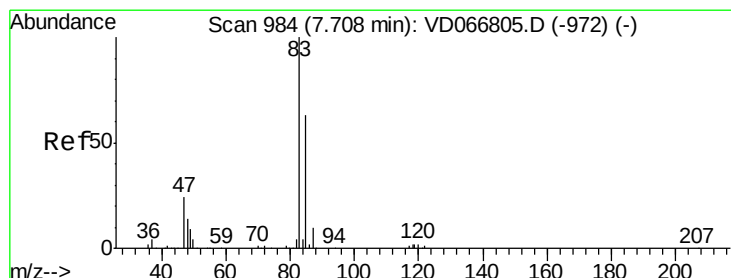
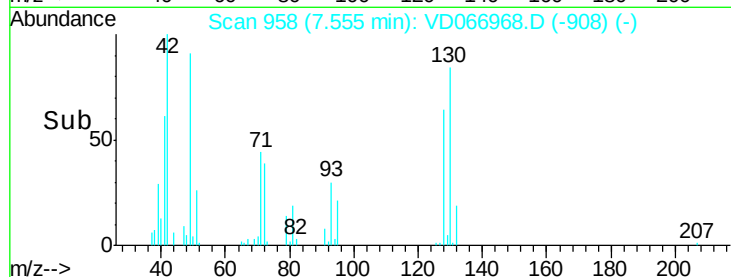
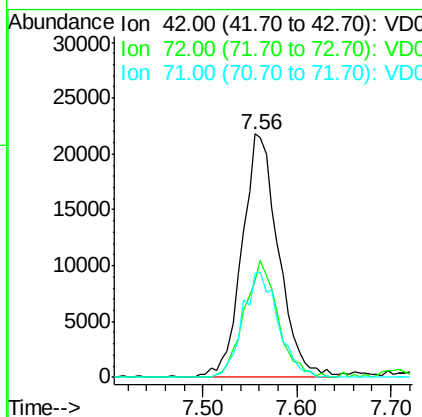
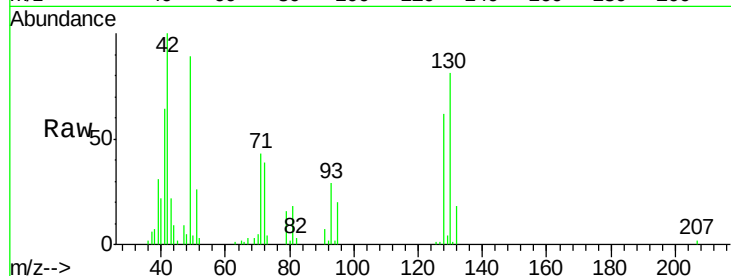
#29
Tetrahydrofuran
Concen: 91.610 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	36.2	54.4
71	42.0	32.4	48.6

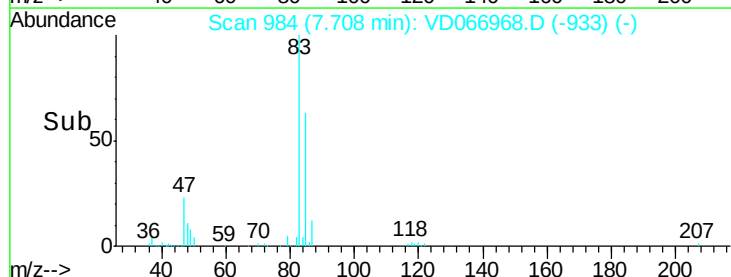
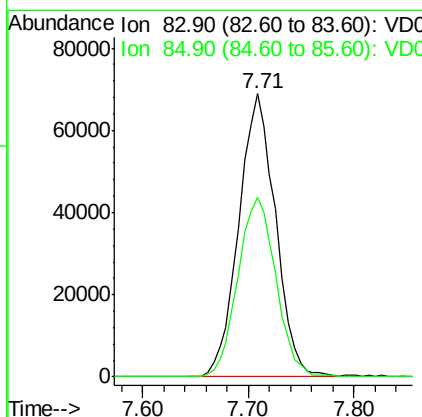
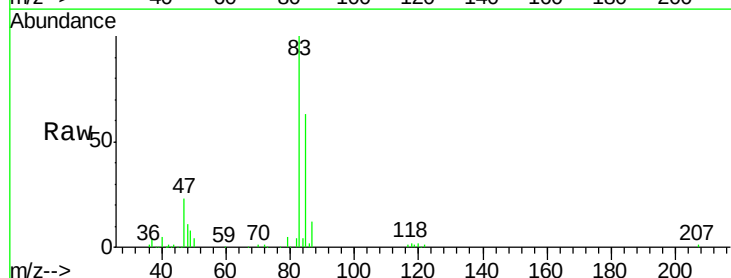
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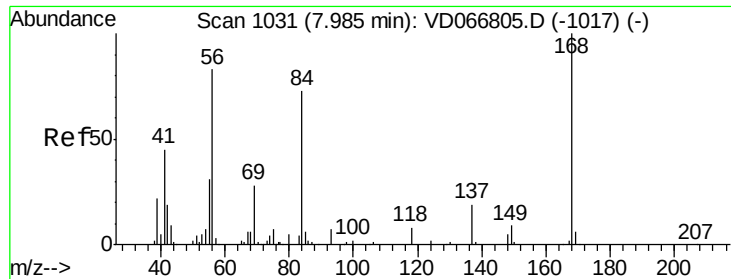
MMDadoda
10/1/2020 2:41:46 PM



#30
Chloroform
Concen: 19.504 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.6	75.8





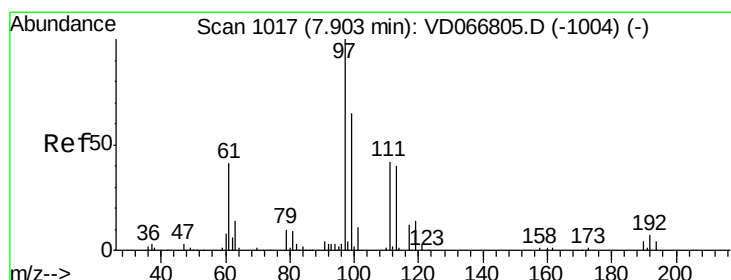
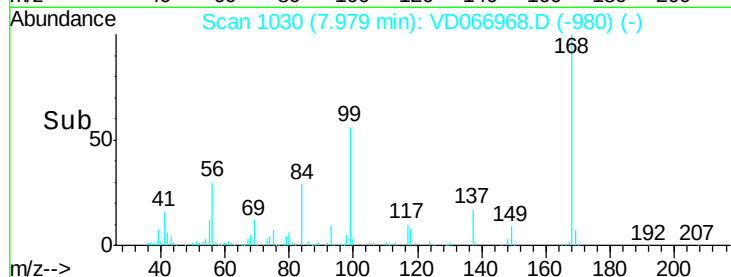
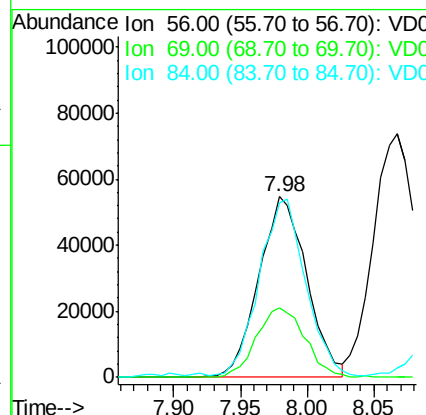
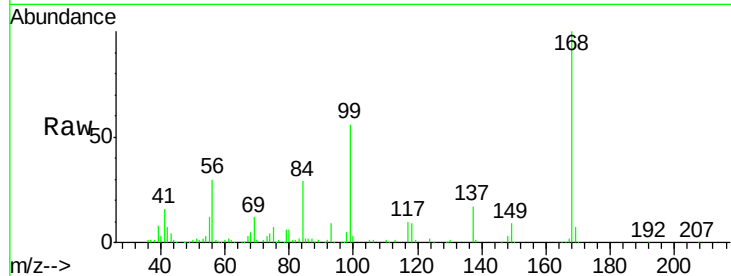
#31
Cyclohexane
Concen: 19.191 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.5	27.0	40.4
84	95.2	70.2	105.4

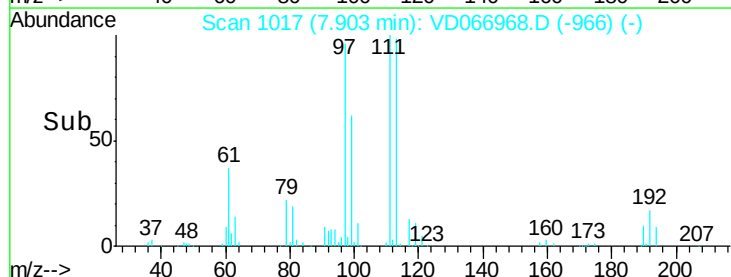
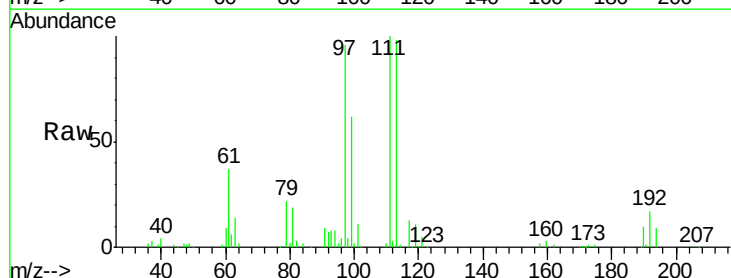
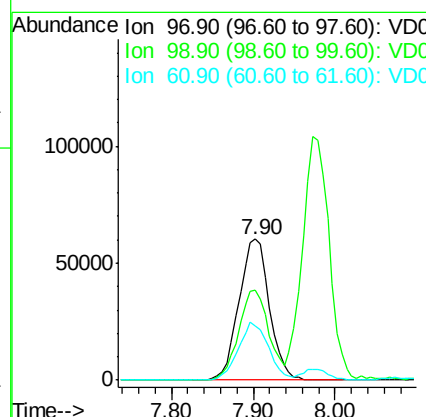
Manual Integrations
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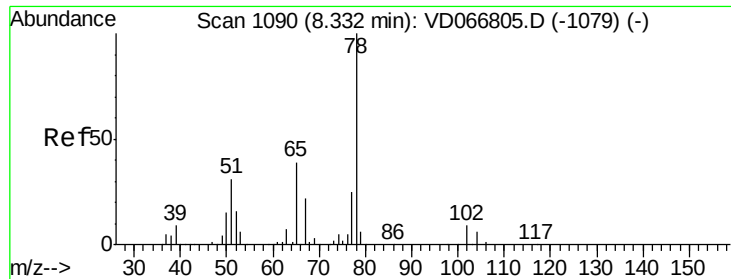
MMDadoda
10/1/2020 2:41:46 PM



#32
1,1,1-Trichloroethane
Concen: 20.297 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.5	77.3
61	41.0	34.2	51.4





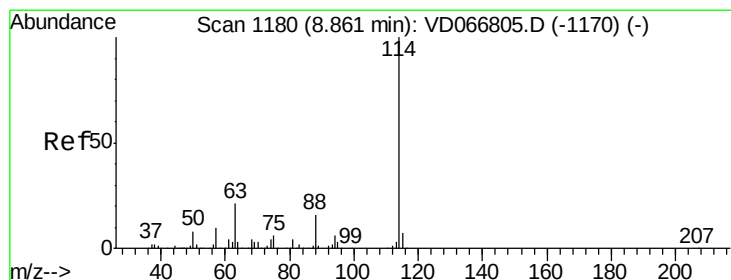
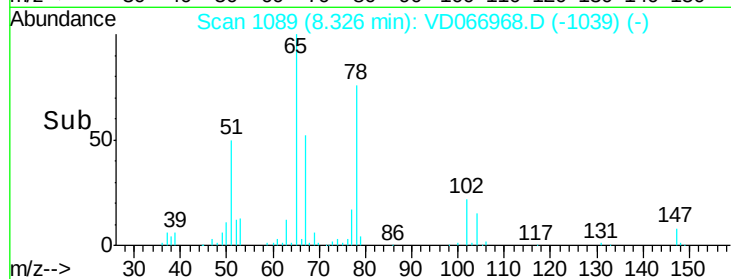
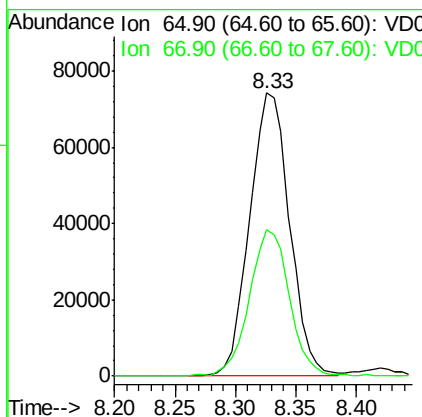
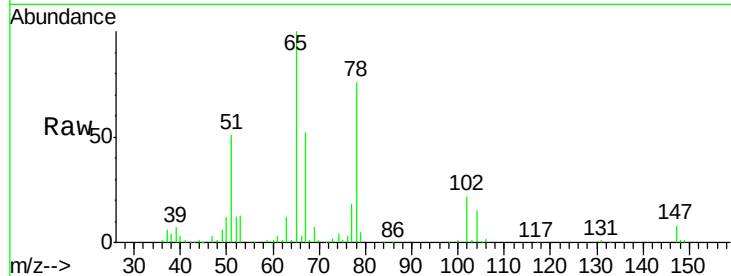
#33
 1,2-Dichloroethane-d4
 Concen: 43.599 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	170325		
67	52.2	0.0	107.2	

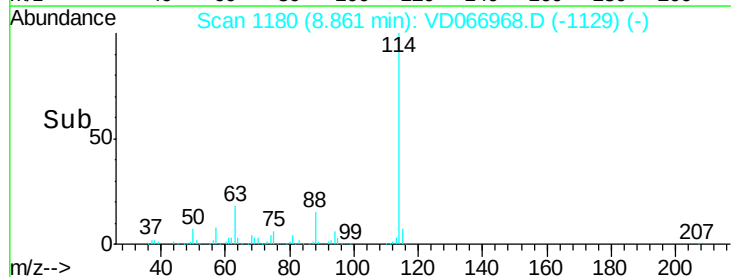
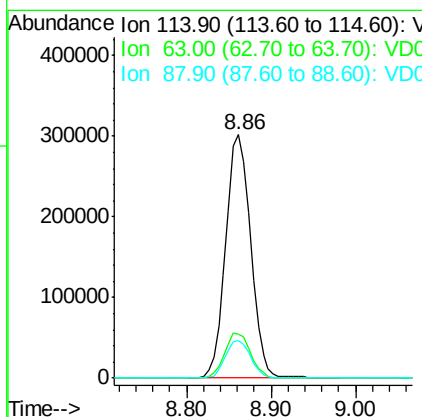
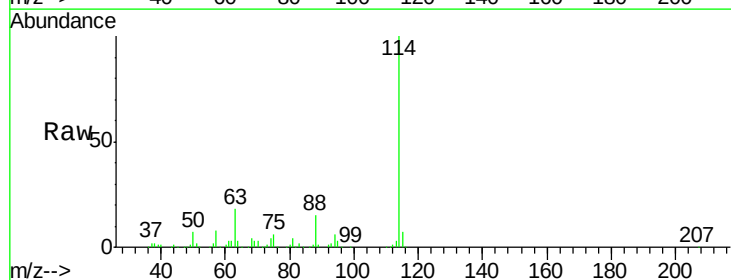
Manual Integrations
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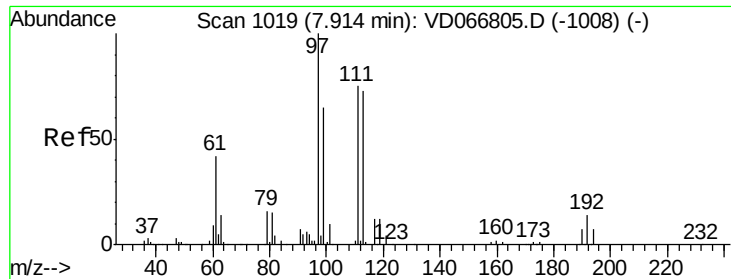
MMDadoda
 10/1/2020 2:41:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	617942		
63	18.2	0.0	42.6	
88	15.5	0.0	32.6	





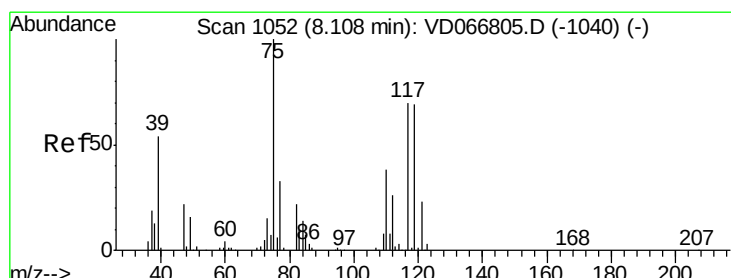
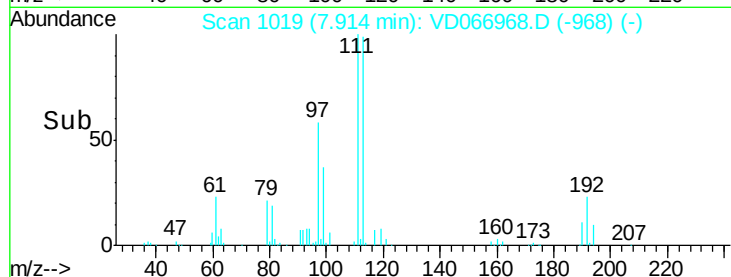
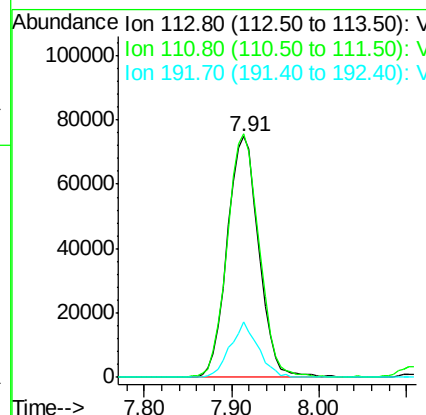
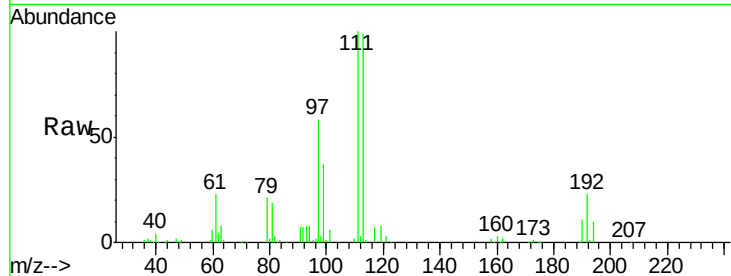
#35
 Dibromofluoromethane
 Concen: 46.867 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184250		
111	102.5	81.8	122.8	
192	20.4	14.4	21.6	

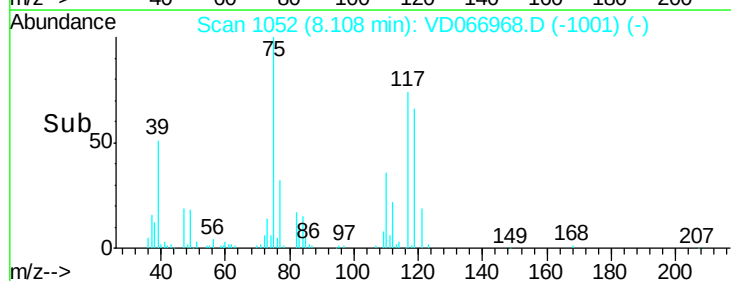
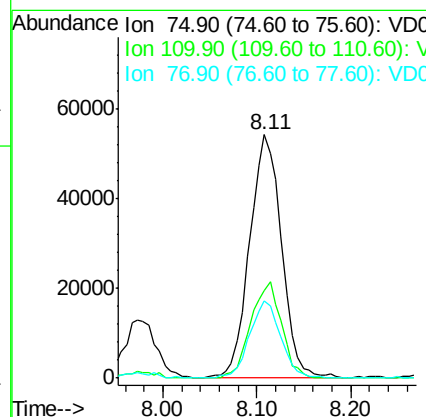
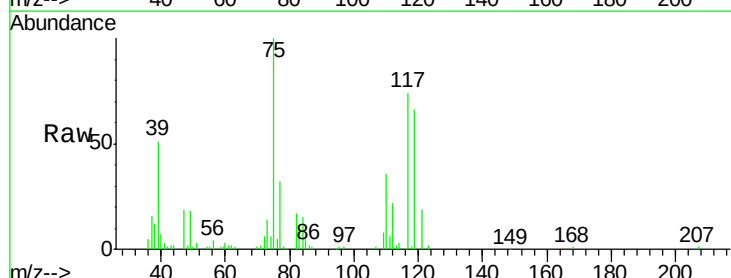
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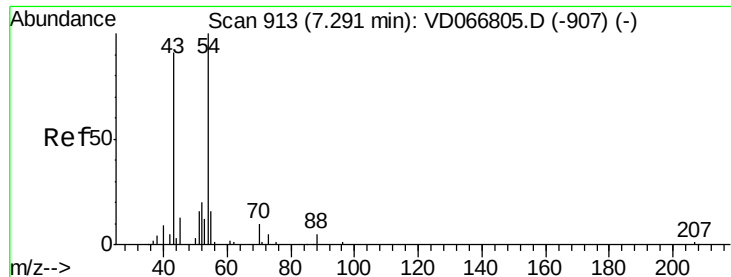
MMDadoda
 10/1/2020 2:41:46 PM



#36
 1,1-Dichloropropene
 Concen: 20.856 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	127856		
110	38.1	17.9	53.8	
77	30.7	25.0	37.6	





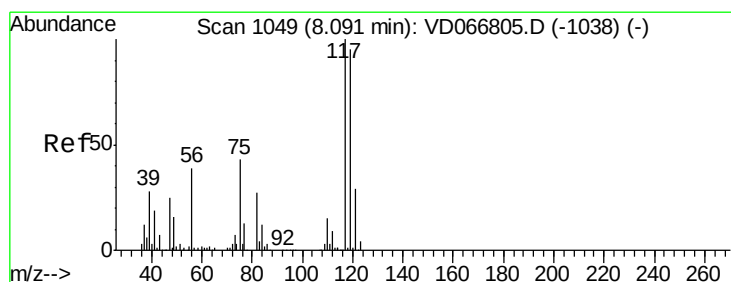
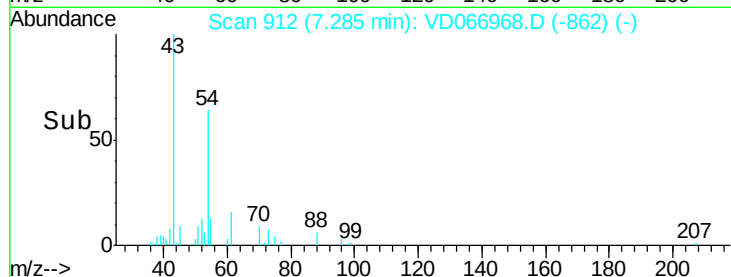
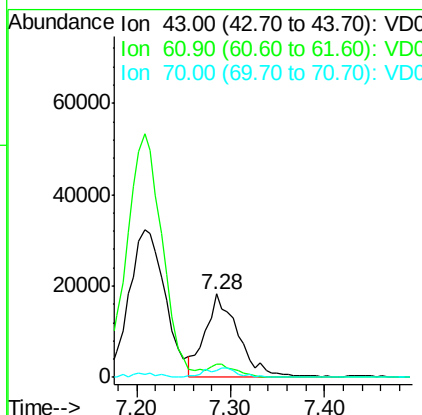
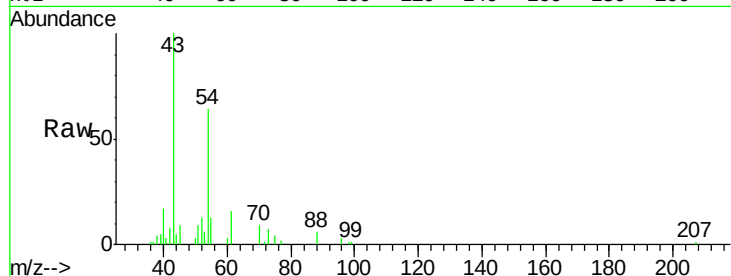
#37
Ethyl Acetate
Concen: 20.357 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	9.8	14.8
70	10.5	8.5	12.7

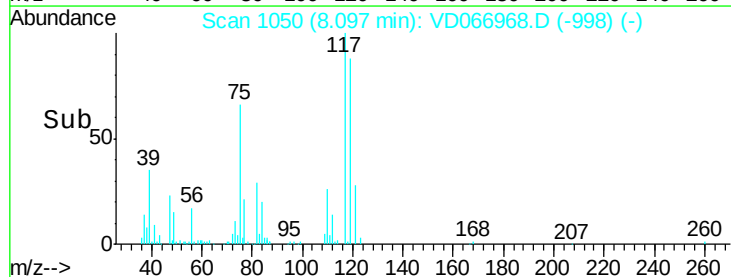
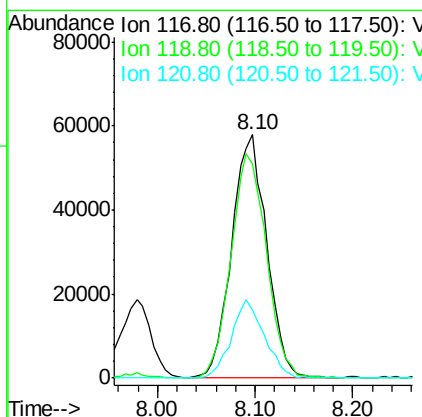
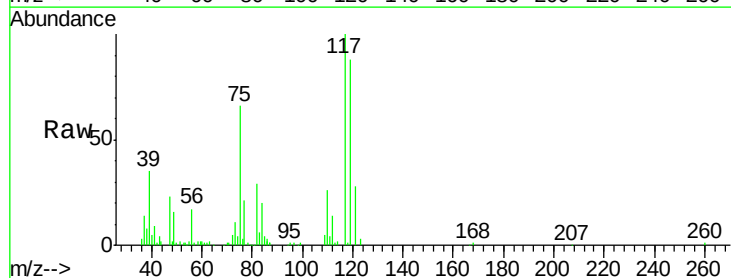
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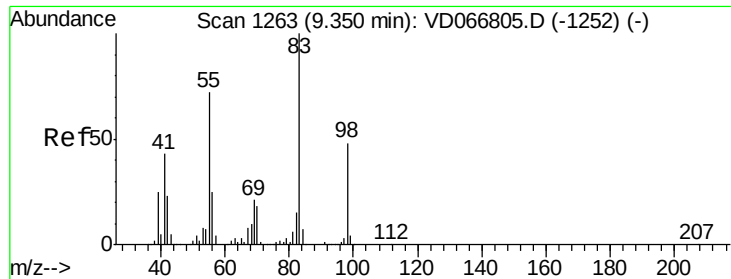
MMDadoda
10/1/2020 2:41:46 PM



#38
Carbon Tetrachloride
Concen: 21.447 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.1	75.8	113.8
121	28.2	23.4	35.0





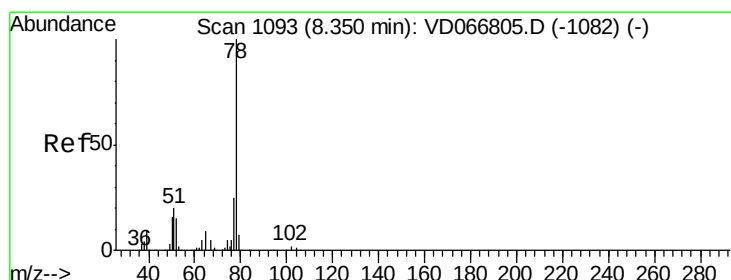
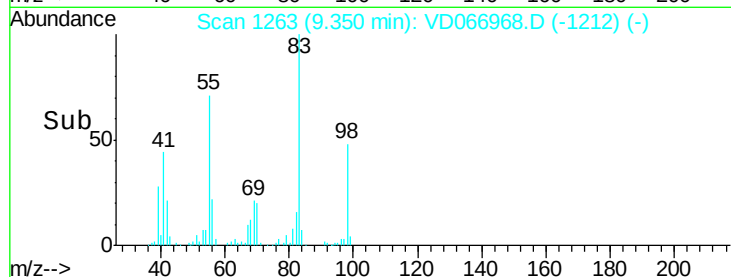
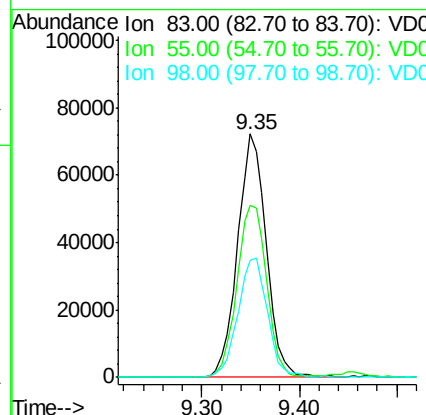
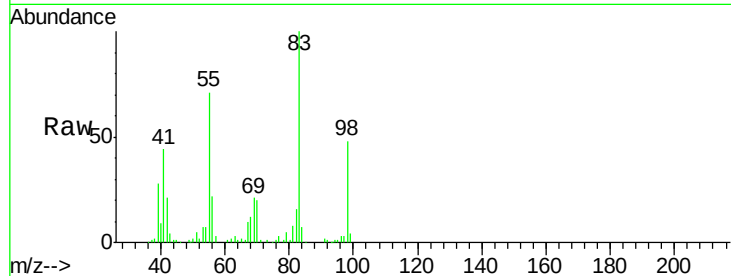
#39
Methylvlcyclohexane
Concen: 21.020 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.8	57.7	86.5
98	48.3	38.4	57.6

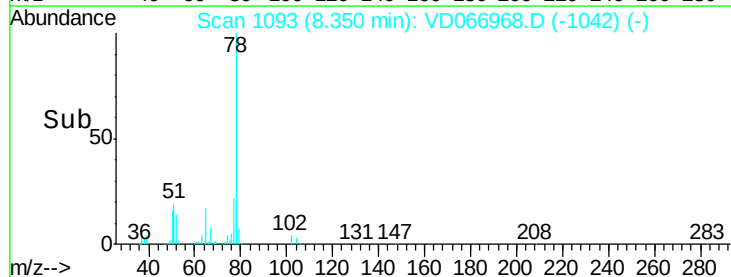
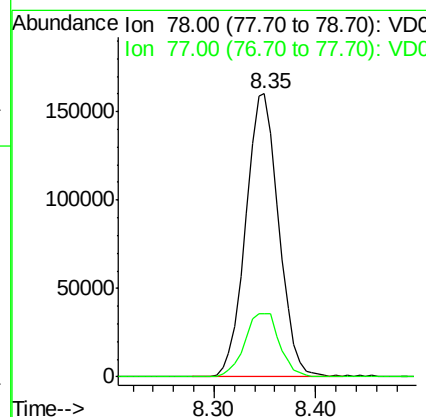
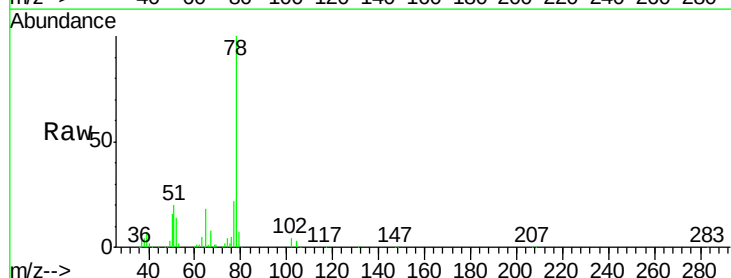
Manual Integrations
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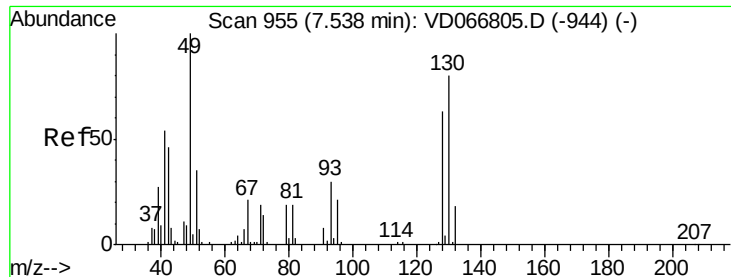
MMDadoda
10/1/2020 2:41:46 PM



#40
Benzene
Concen: 21.180 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.9	29.9





#41

Methacrylonitrile

Concen: 16.441 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 41 Resp: 22408

Ion Ratio Lower Upper

41 100

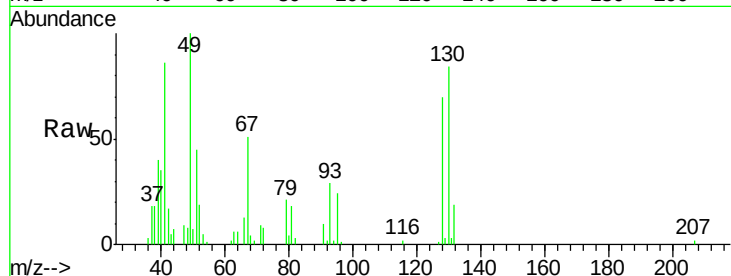
39 62.0 0.0 0.0#

67 0.0 0.0 0.0

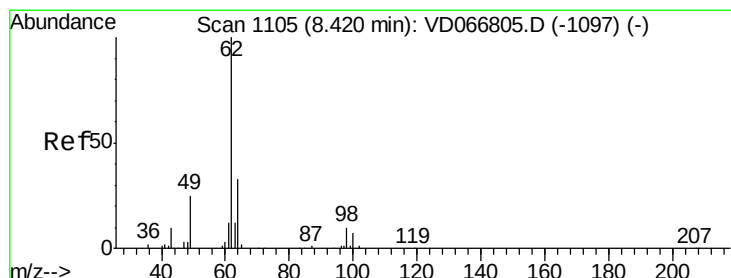
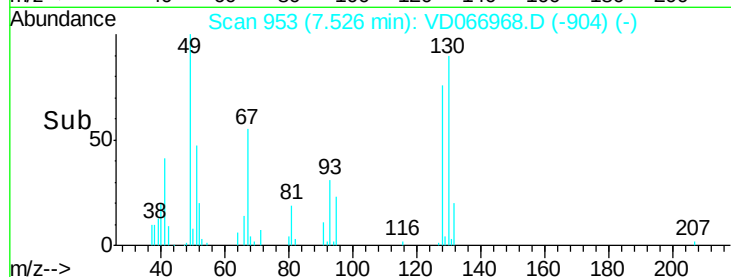
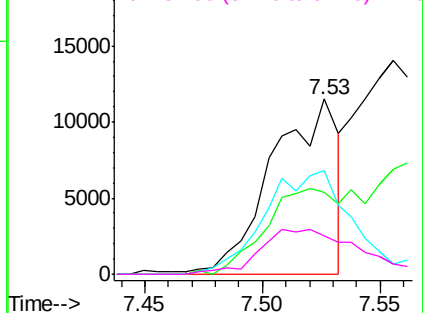
52 0.0 0.0 0.0

Manual Integrations
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MMDadoda
10/1/2020 2:41:46 PM



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.316 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066968.D

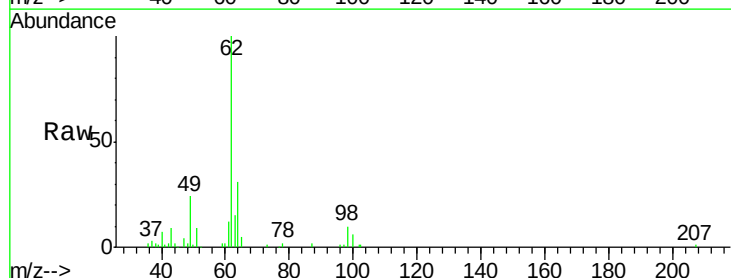
Acq: 30 Sep 2020 12:41

Tgt Ion: 62 Resp: 102614

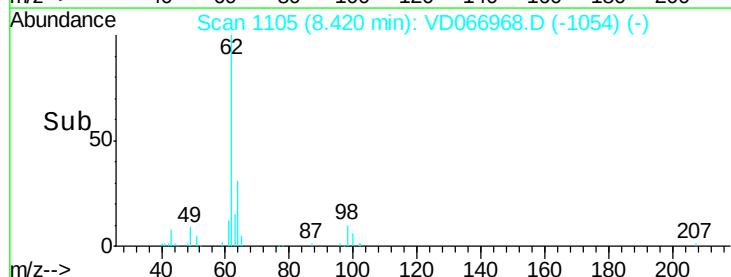
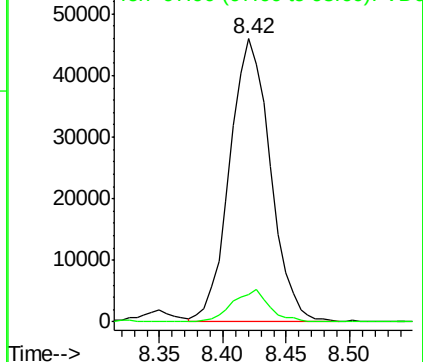
Ion Ratio Lower Upper

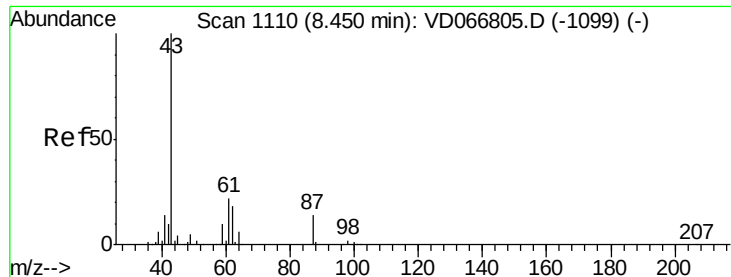
62 100

98 10.2 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.449 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

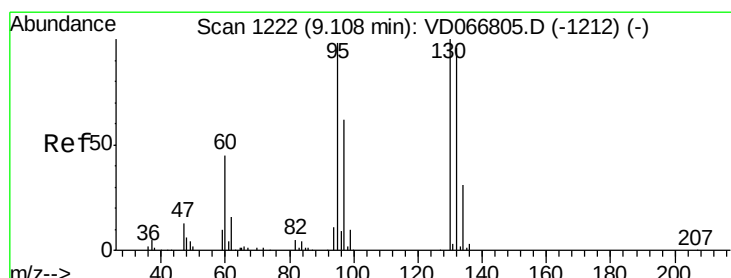
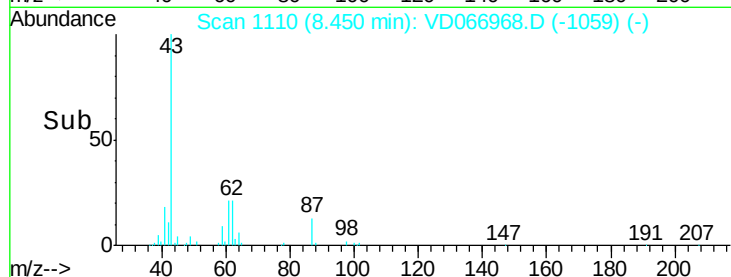
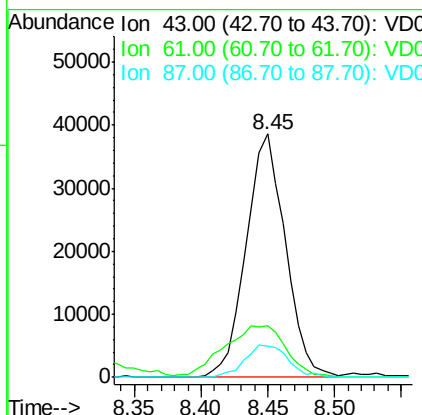
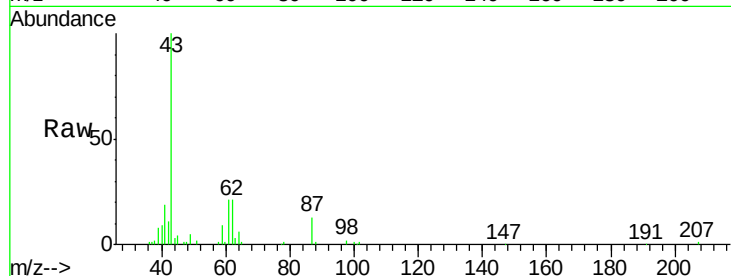
ClientSampleId :

VD0930SBS01

Tot Ion:	43	Resp:	78827
Ion	Ratio	Lower	Upper
43	100		
61	33.8	26.2	39.4
87	14.5	11.5	17.3

Manual Integrations
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#44

Trichloroethene

Concen: 21.484 ug/l

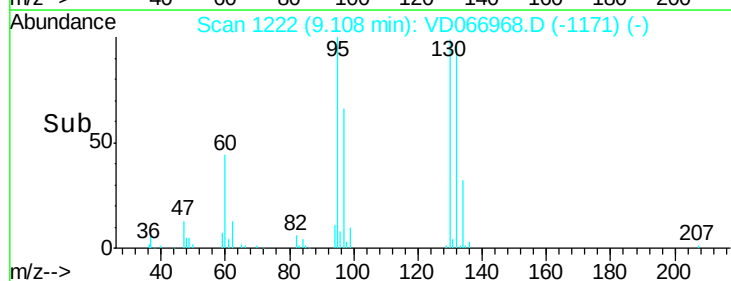
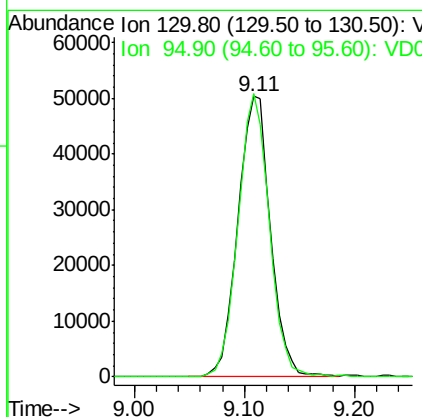
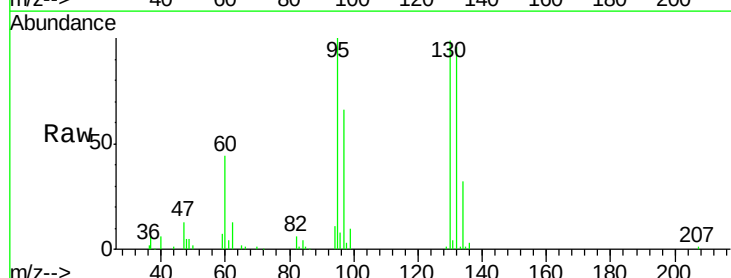
RT: 9.11 min Scan# 1222

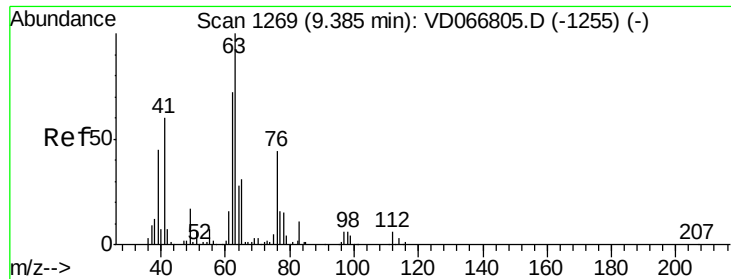
Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Tgt Ion:	130	Resp:	104626
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	197.0





#45

1,2-Dichloropropane

Concen: 20.318 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 63 Resp: 87341

Ion Ratio Lower Upper

63 100

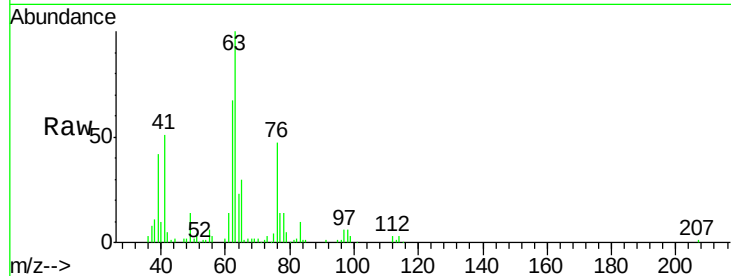
65 29.7 24.7 37.1

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

50000

40000

30000

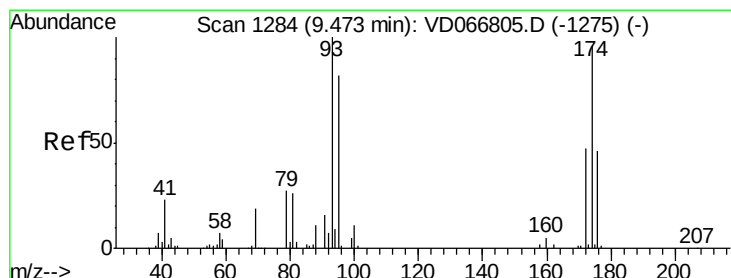
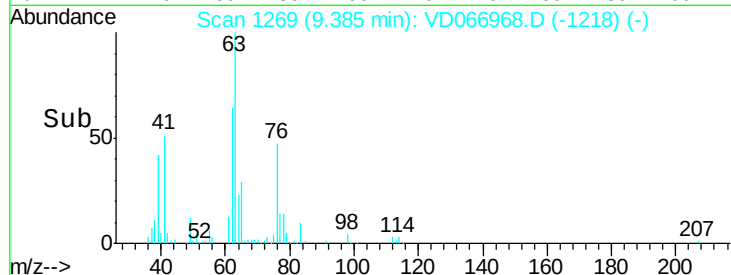
20000

10000

0

9.30 9.35 9.40 9.45

Time-->



#46

Dibromomethane

Concen: 21.046 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

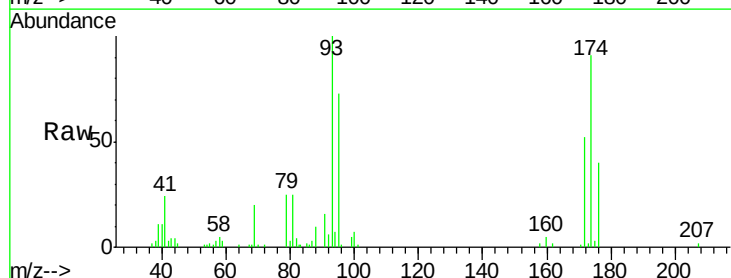
Tgt Ion: 93 Resp: 49156

Ion Ratio Lower Upper

93 100

95 81.2 65.3 97.9

174 93.9 75.4 113.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.47

30000

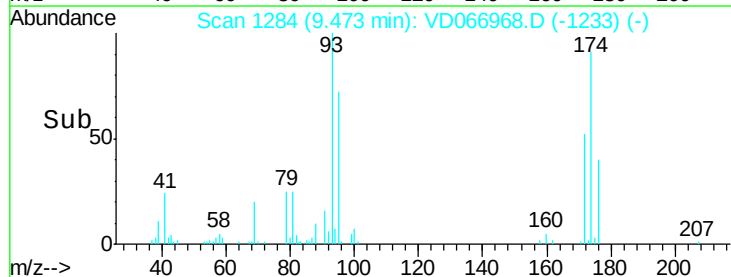
20000

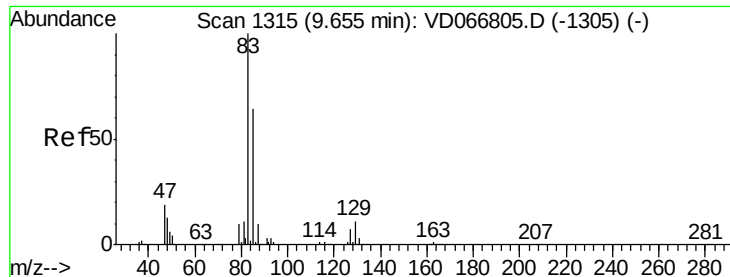
10000

0

9.40 9.50

Time-->





#47

Bromodichloromethane

Concen: 20.394 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

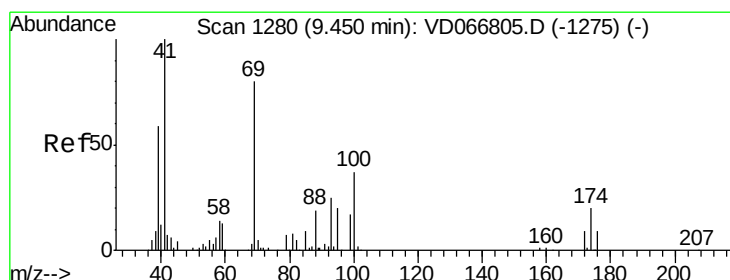
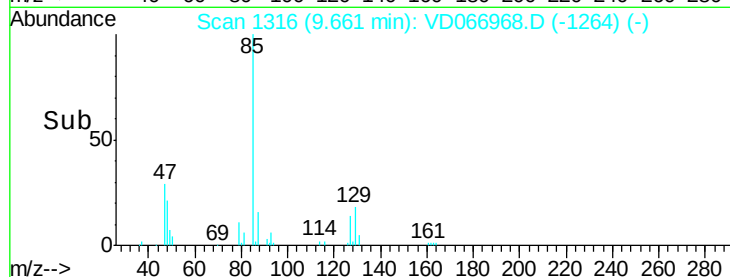
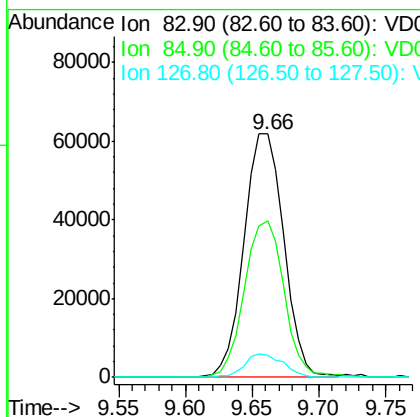
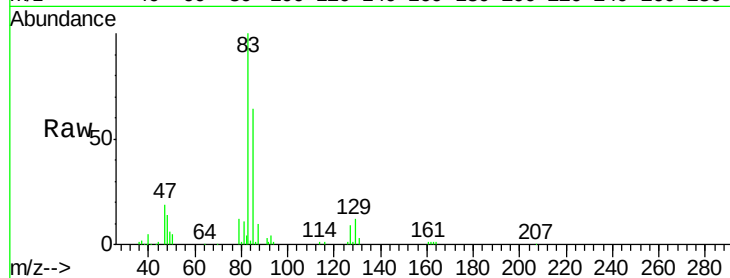
ClientSampleId :

VD0930SBS01

Tot Ion:	83	Resp:	127959
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.9	76.3
127	9.1	5.9	8.9#

Manual Integrations
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MMDadoda
10/1/2020 2:41:46 PM



#48

Methyl methacrylate

Concen: 20.613 ug/l

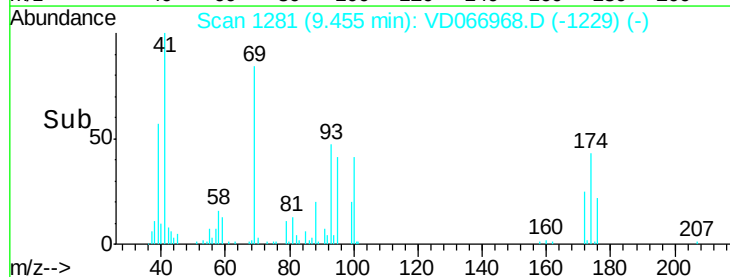
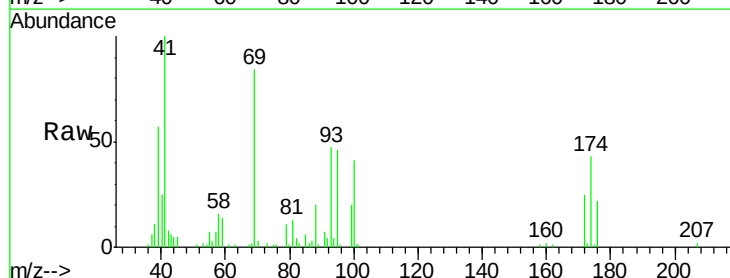
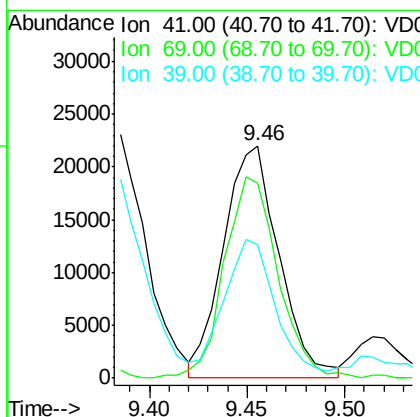
RT: 9.46 min Scan# 1281

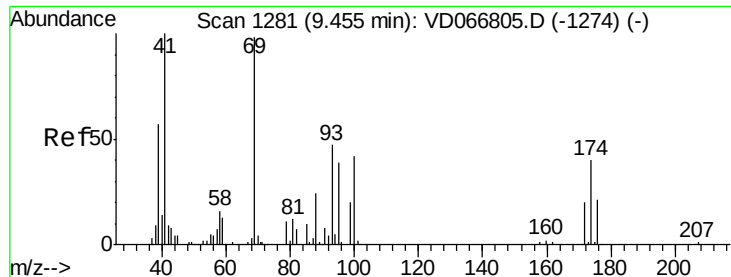
Delta R.T. 0.01 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Tgt Ion:	41	Resp:	43425
Ion	Ratio	Lower	Upper
41	100		
69	83.4	74.5	111.7
39	50.3	47.0	70.6





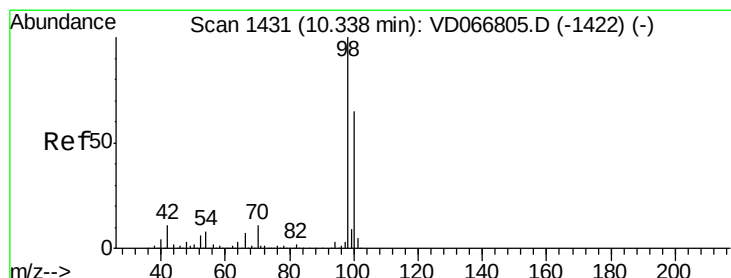
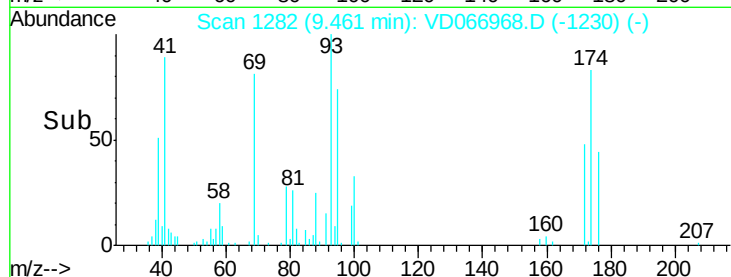
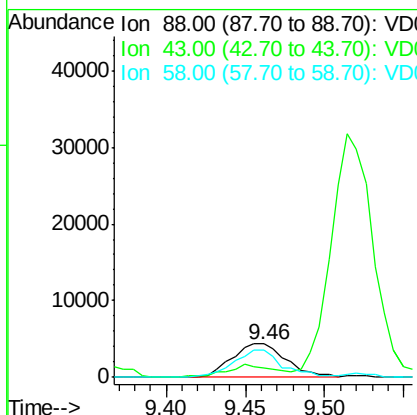
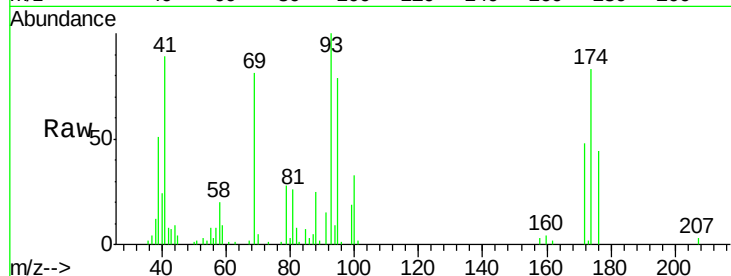
#49
1,4-Dioxane
Concen: 320.767 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	88	Resp	10363
Ion Ratio	Lower	Upper	
88	100		
43	33.8	27.7	41.5
58	73.3	55.5	83.3

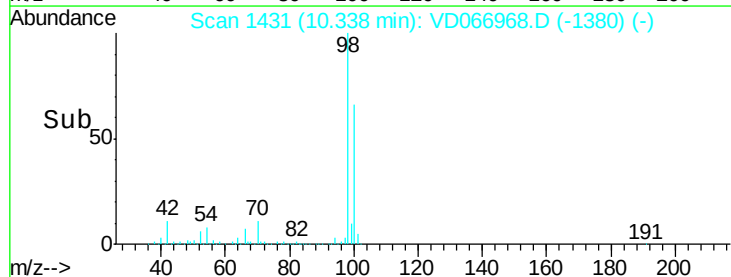
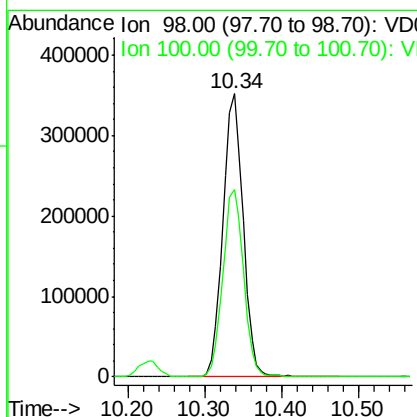
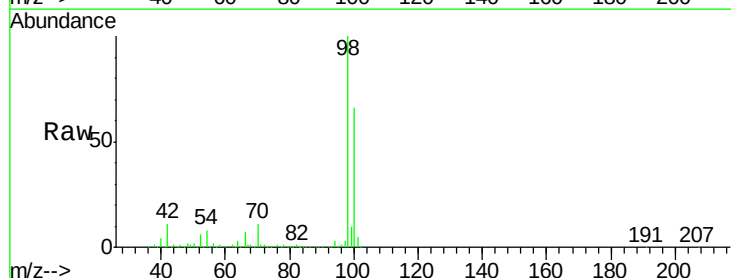
Manual Integrations
APPROVED

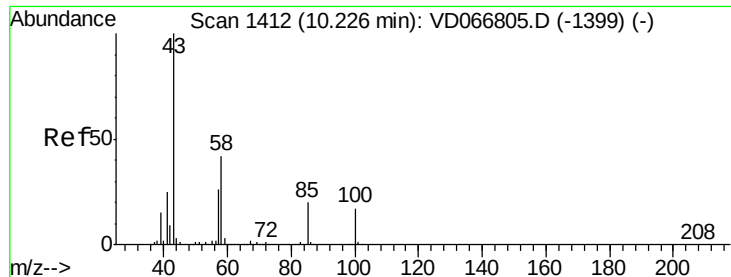
MMDadoda
10/1/2020 2:41:46 PM



#50
Toluene-d8
Concen: 48.175 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion	98	Resp	645297
Ion Ratio	Lower	Upper	
98	100		
100	67.5	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 93.406 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 43 Resp: 202226

Ion Ratio Lower Upper

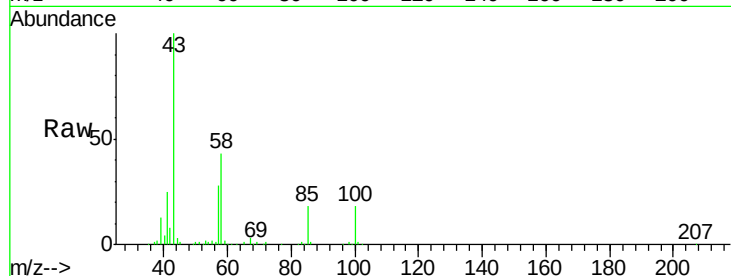
43 100

58 42.1 32.2 48.4

Manual Integrations
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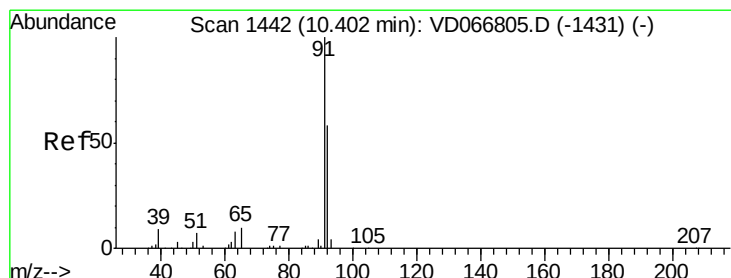
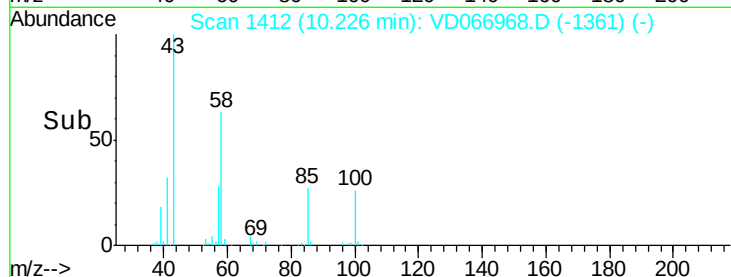
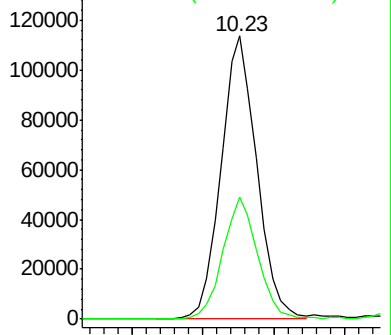
MMDadoda

10/1/2020 2:41:46 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.377 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066968.D

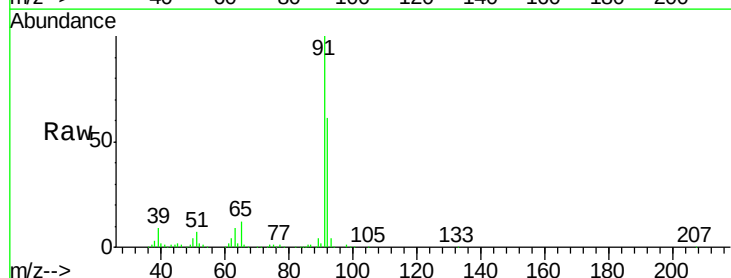
Acq: 30 Sep 2020 12:41

Tgt Ion: 92 Resp: 235264

Ion Ratio Lower Upper

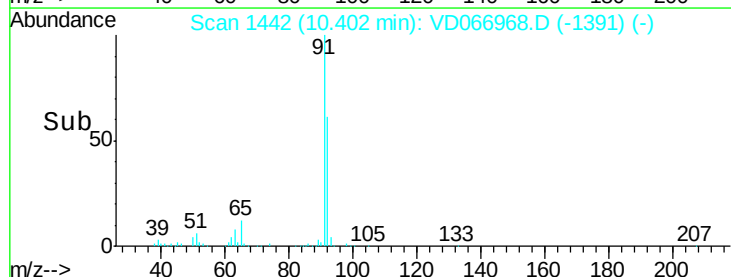
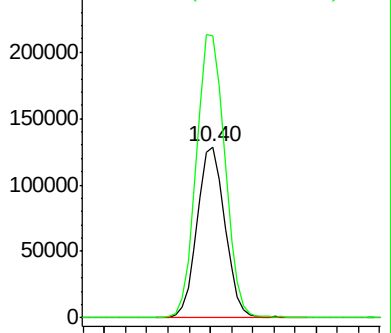
92 100

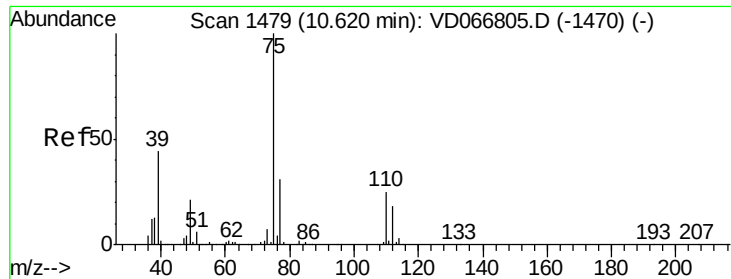
91 169.8 134.6 202.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





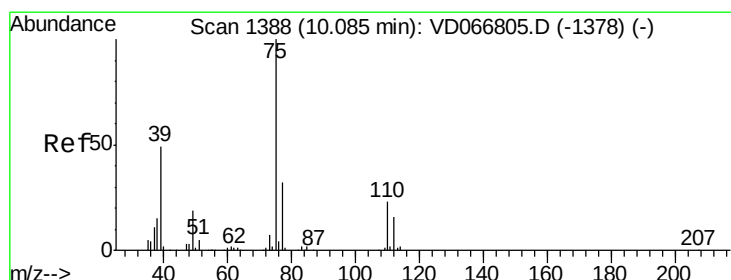
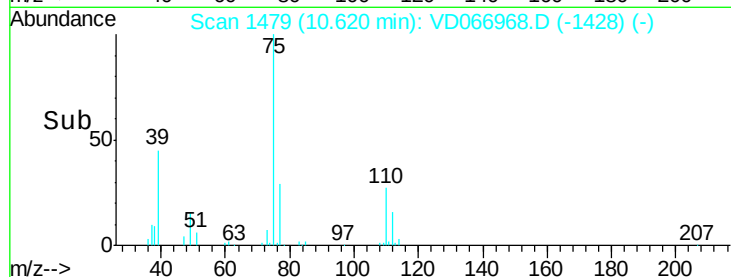
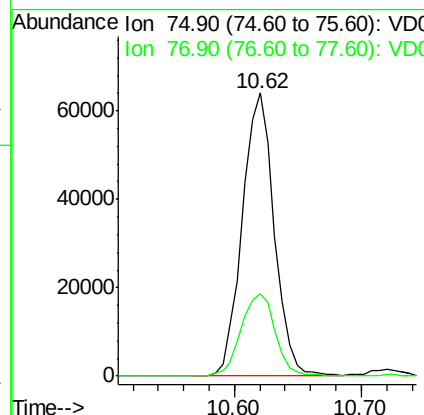
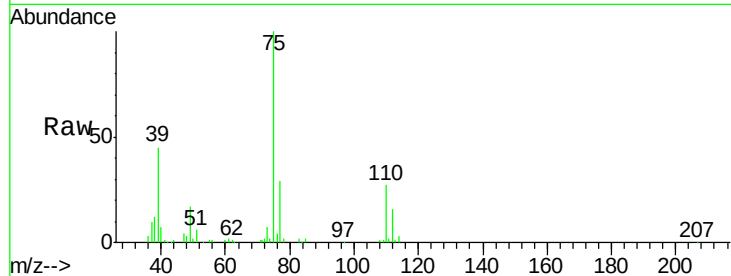
#53
t-1,3-Dichloropropene
Concen: 20.917 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.1	24.5	36.7

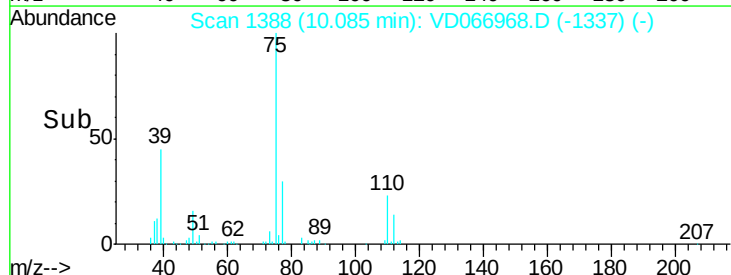
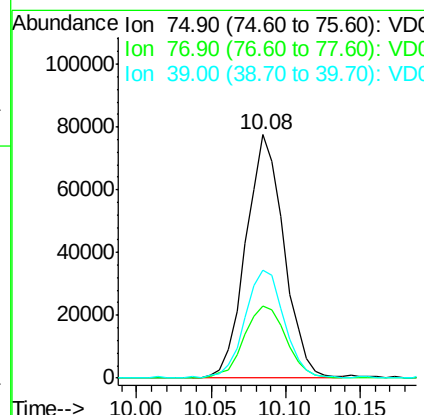
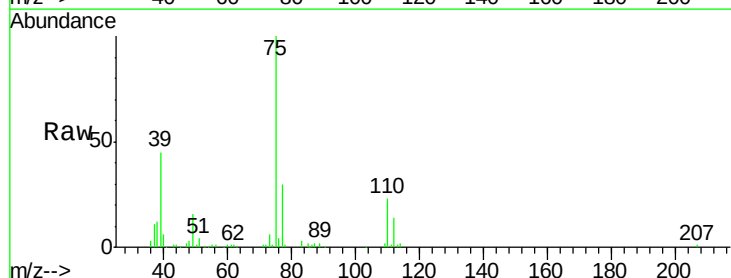
Manual Integrations
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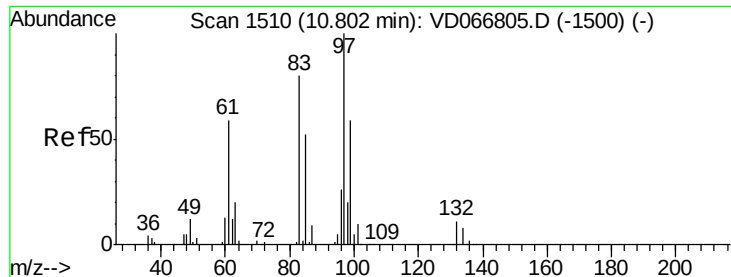
MMDadoda
10/1/2020 2:41:46 PM



#54
cis-1,3-Dichloropropene
Concen: 20.985 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.6	38.4
39	44.3	39.2	58.8





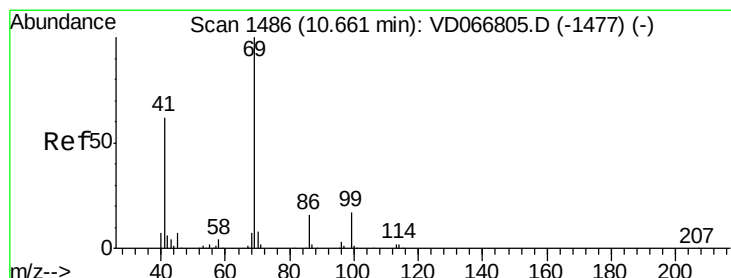
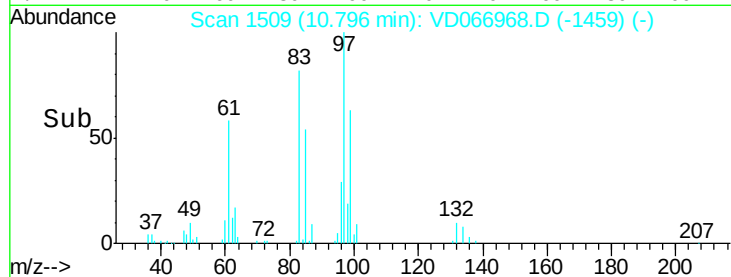
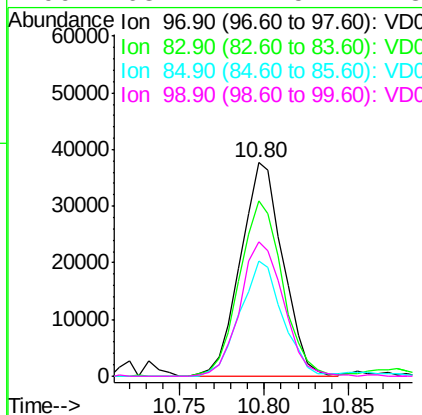
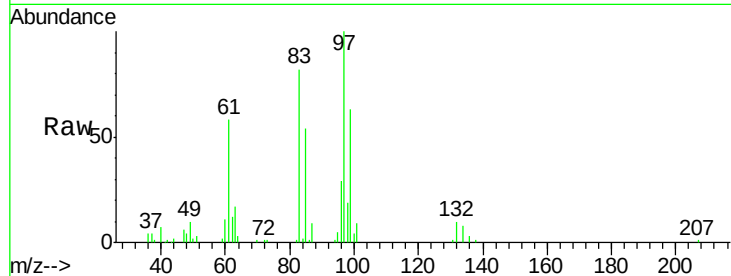
#55
 1,1,2-Trichloroethane
 Concen: 20.591 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	66115		
83	82.0	64.2	96.2	
85	53.9	41.9	62.9	
99	63.2	47.5	71.3	

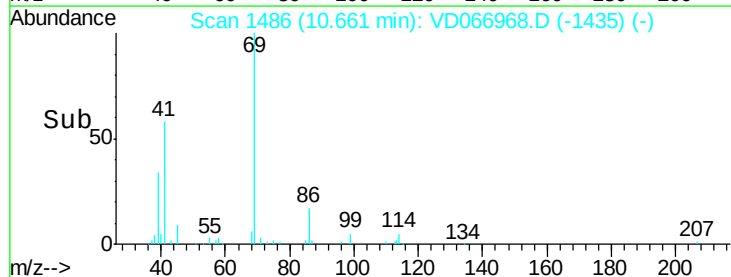
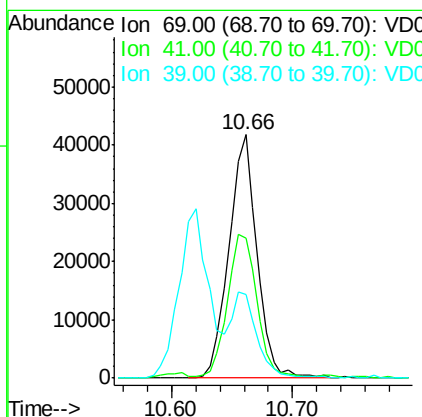
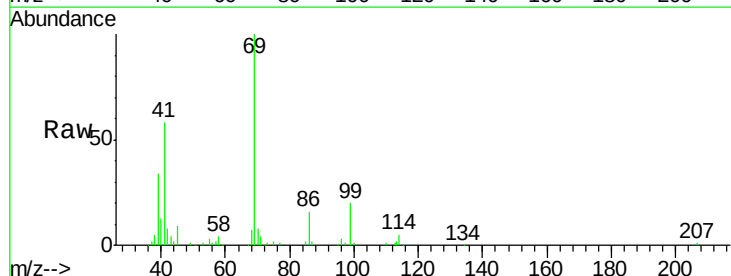
Manual Integrations
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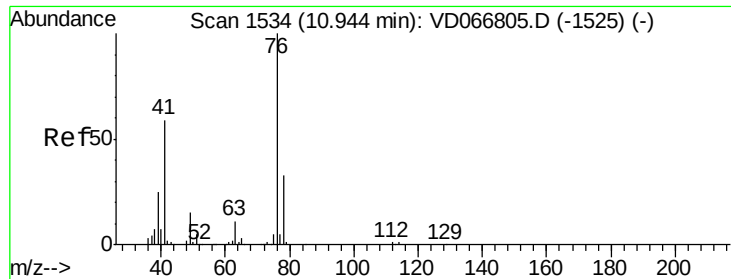
MMDadoda
 10/1/2020 2:41:46 PM



#56
 Ethyl methacrylate
 Concen: 19.631 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	67524		
41	61.4	52.2	78.2	
39	30.8	26.6	40.0	





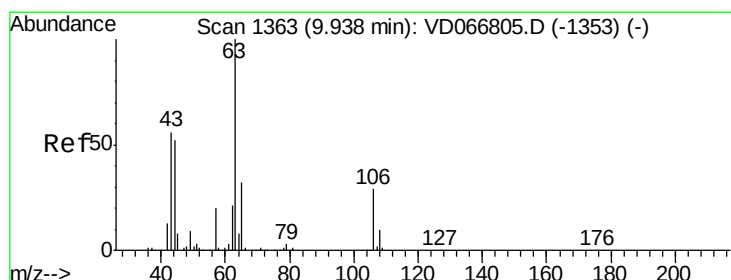
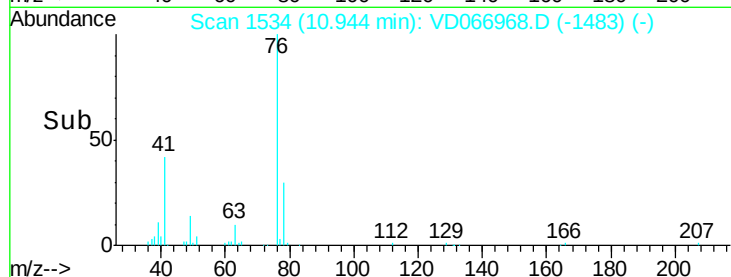
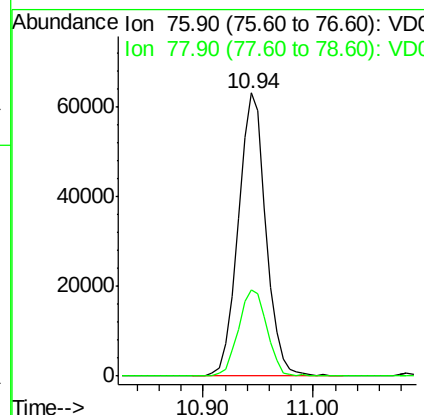
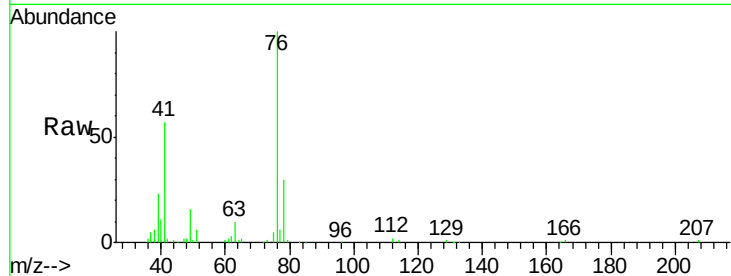
#57
 1,3-Dichloropropane
 Concen: 20.912 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Tot Ion: 76 Resp: 110870
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.3 39.5

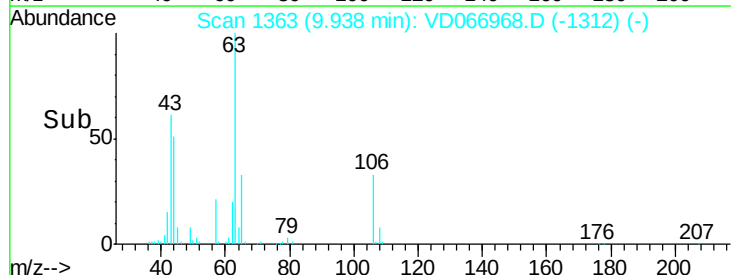
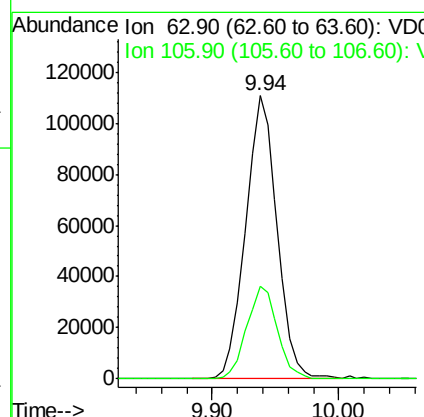
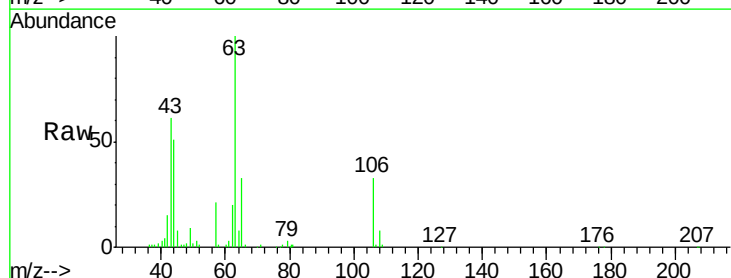
Manual Integrations
 APPROVED

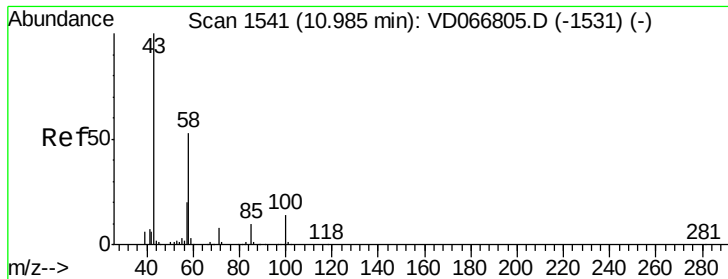
MMDadoda
 10/1/2020 2:41:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.877 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Tgt Ion: 63 Resp: 190353
 Ion Ratio Lower Upper
 63 100
 106 32.4 23.8 35.6





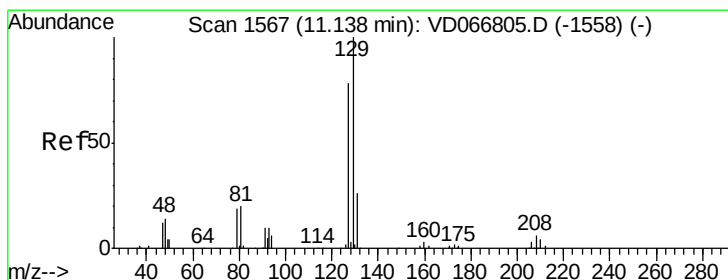
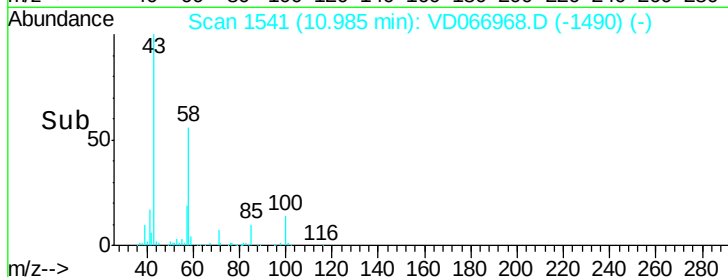
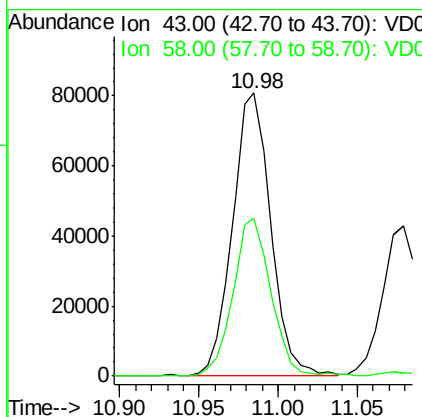
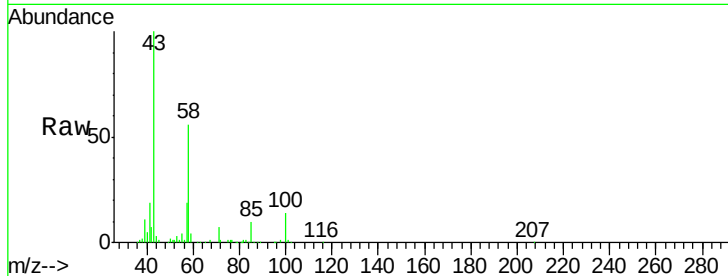
#59
2-Hexanone
Concen: 92.756 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion: 43 Resp: 135427
Ion Ratio Lower Upper
43 100
58 55.4 27.0 80.8

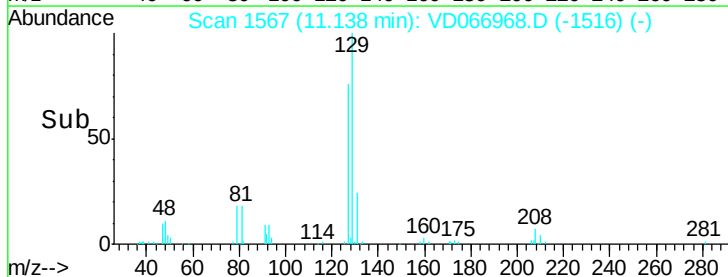
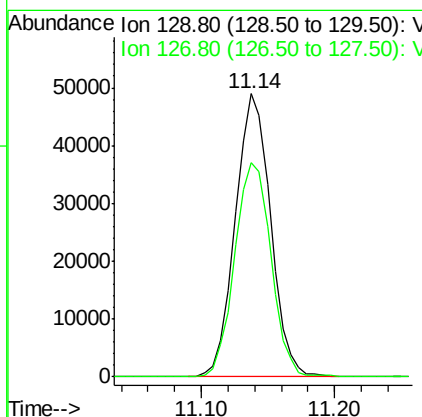
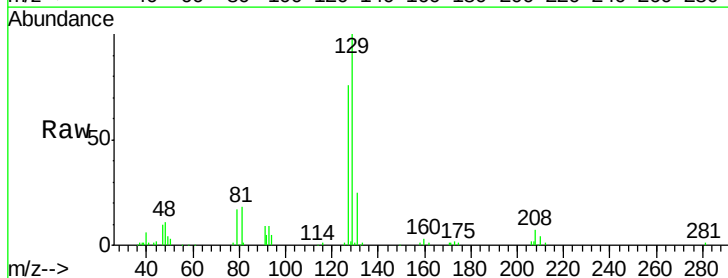
Manual Integrations
APPROVED

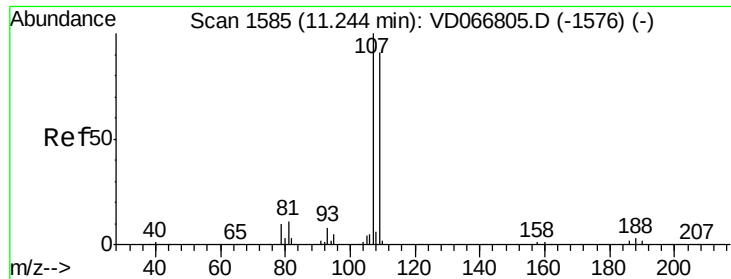
MMDadoda
10/1/2020 2:41:46 PM



#60
Dibromochloromethane
Concen: 21.410 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion: 129 Resp: 89721
Ion Ratio Lower Upper
129 100
127 78.0 38.6 116.0





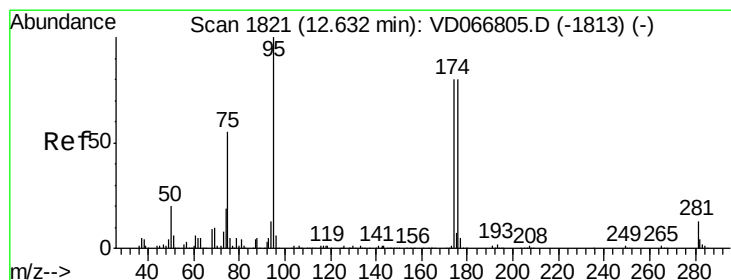
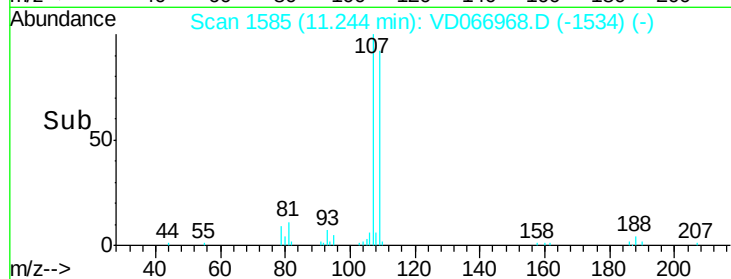
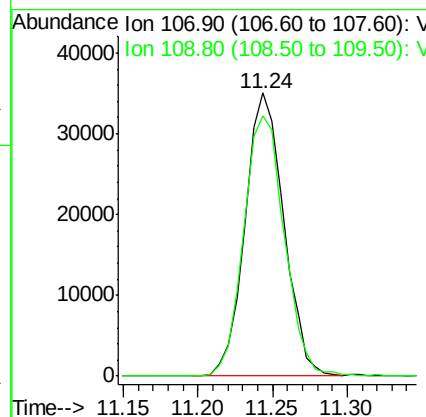
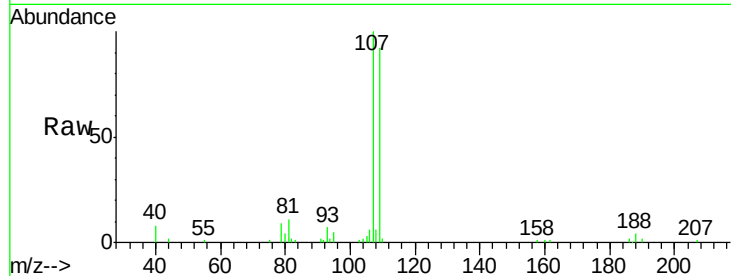
#61
 1,2-Dibromoethane
 Concen: 21.098 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.0	112.4

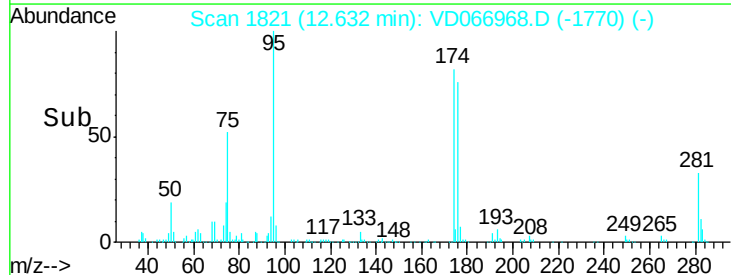
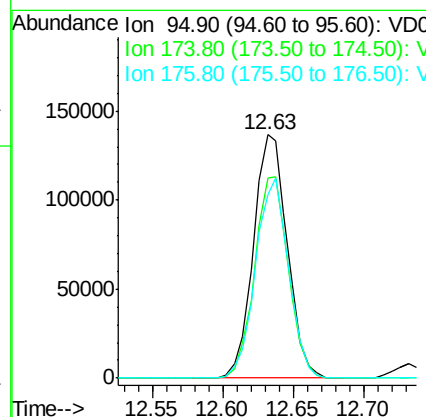
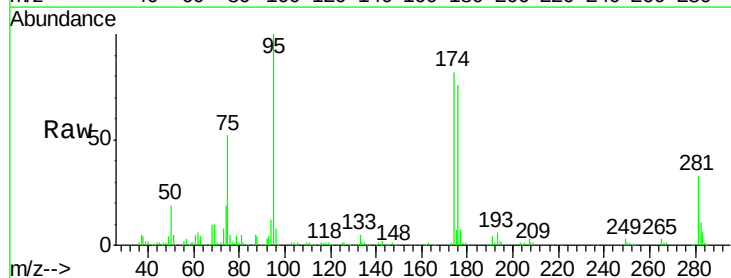
Manual Integrations
 APPROVED

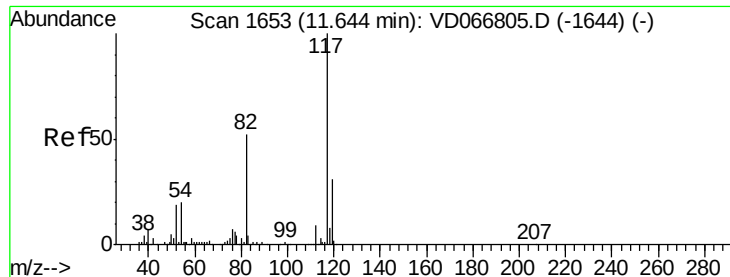
MMDadoda
 10/1/2020 2:41:46 PM



#62
 4-Bromofluorobenzene
 Concen: 50.227 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.4	0.0	159.8
176	80.1	0.0	154.4





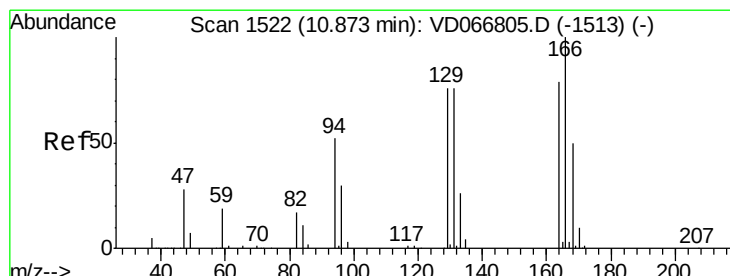
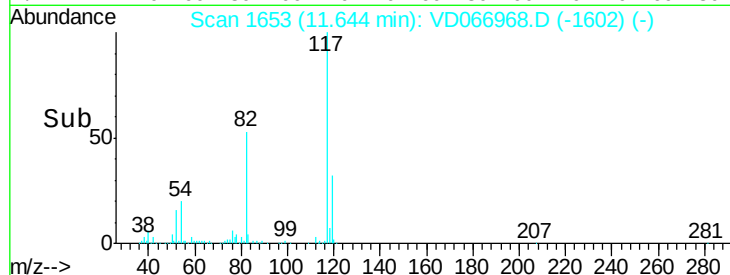
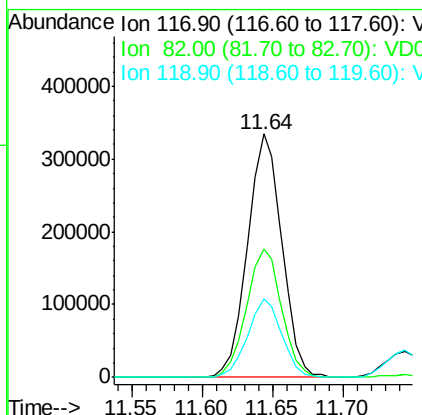
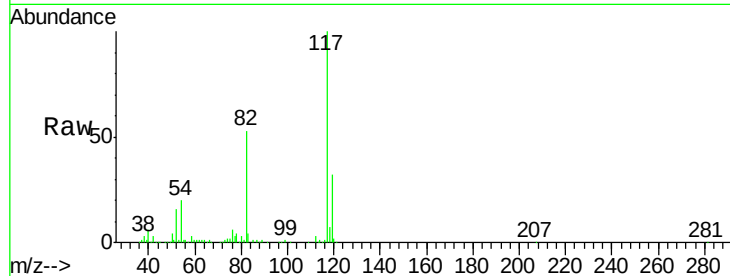
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.8	62.6
119	32.4	24.6	37.0

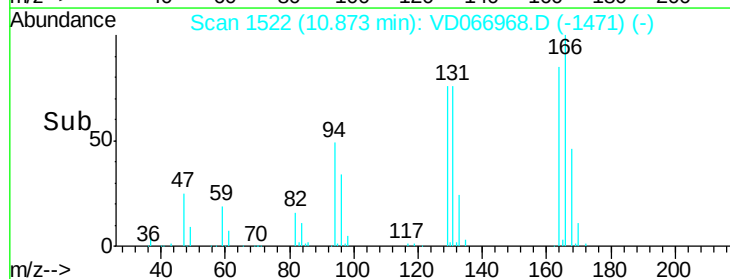
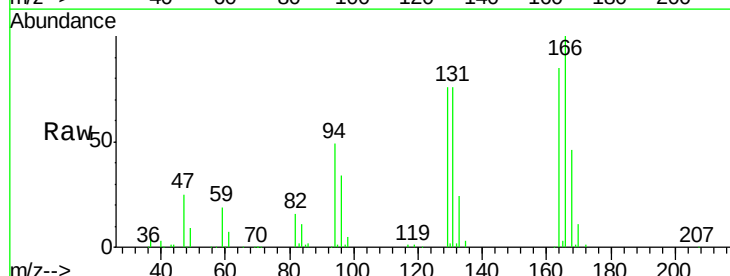
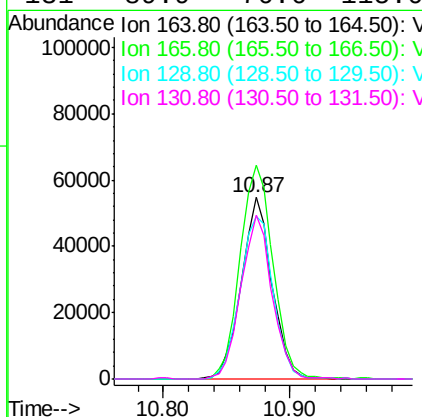
Manual Integrations
APPROVED

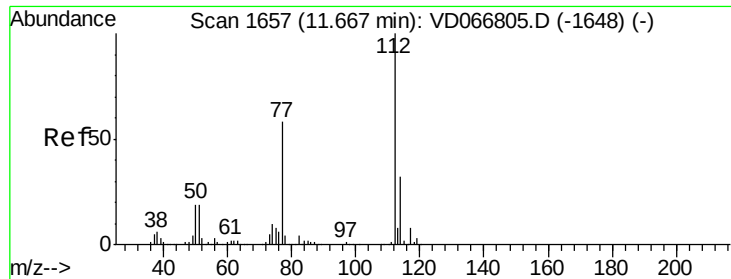
MMDadoda
10/1/2020 2:41:46 PM



#64
Tetrachloroethene
Concen: 22.413 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.6	101.1	151.7
129	89.5	77.0	115.4
131	89.9	76.6	115.0





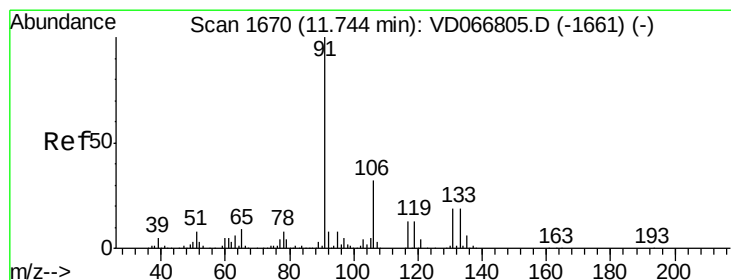
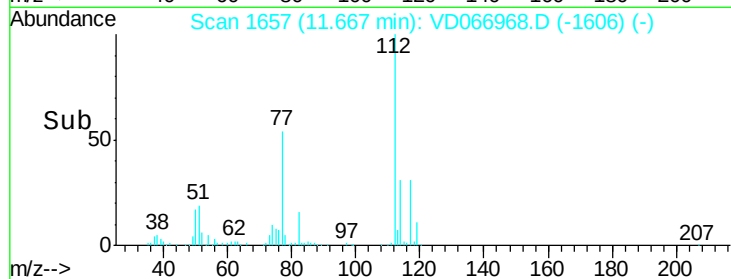
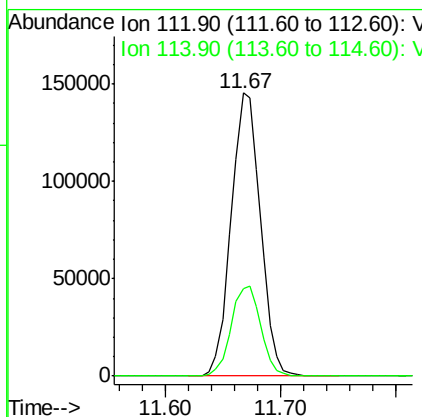
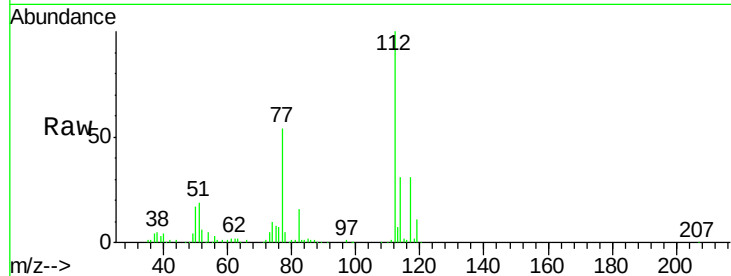
#65
Chlorobenzene
Concen: 21.435 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	254990		
114	30.8	25.4	38.2	

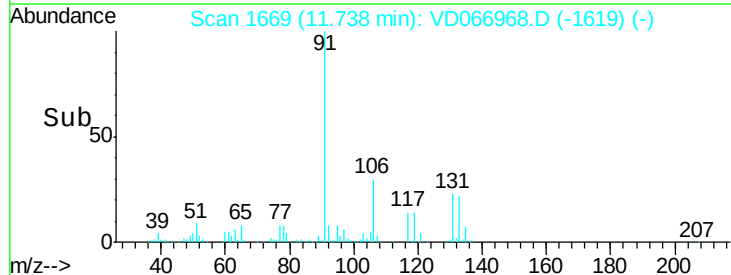
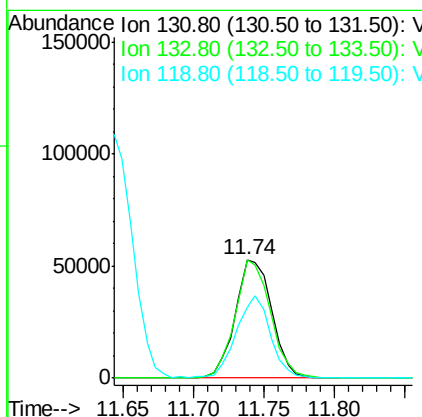
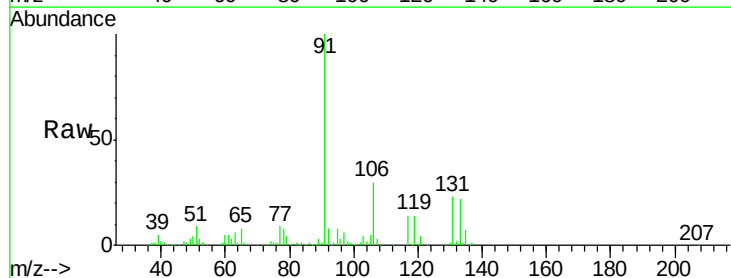
Manual Integrations
APPROVED

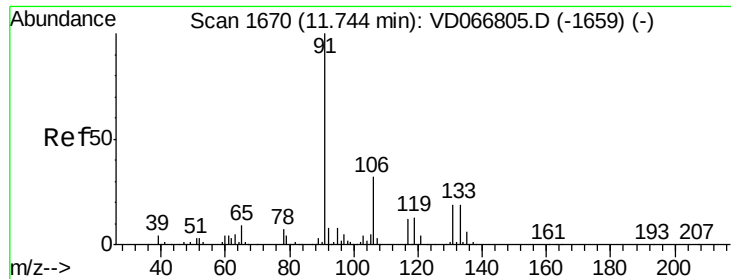
MMDadoda
10/1/2020 2:41:46 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.311 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	95949		
133	96.5	46.7	140.1	
119	65.0	32.3	96.9	





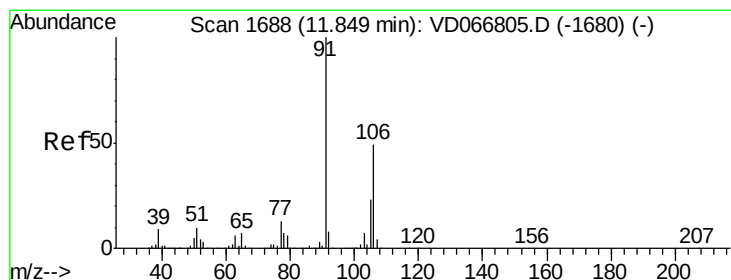
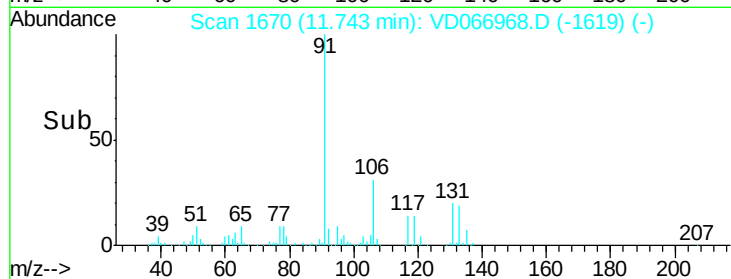
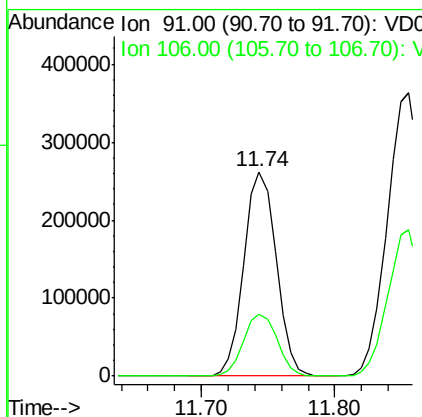
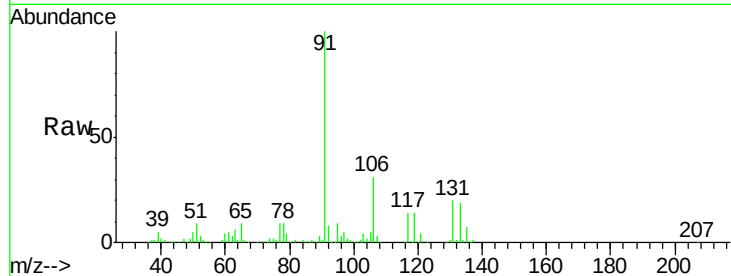
#67
Ethyl Benzene
Concen: 21.053 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion: 91 Resp: 439853
Ion Ratio Lower Upper
91 100
106 30.6 25.6 38.4

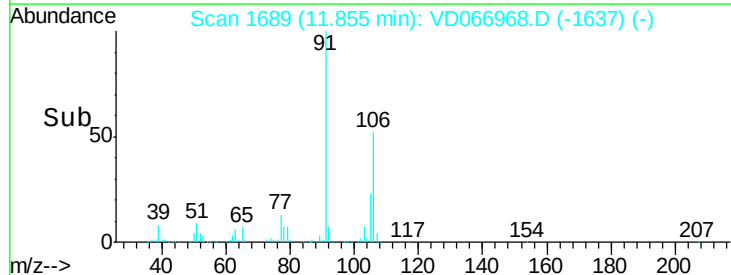
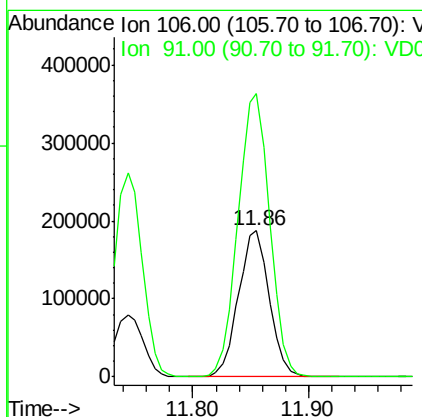
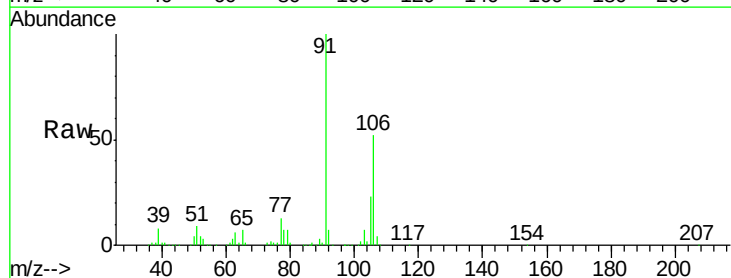
Manual Integrations
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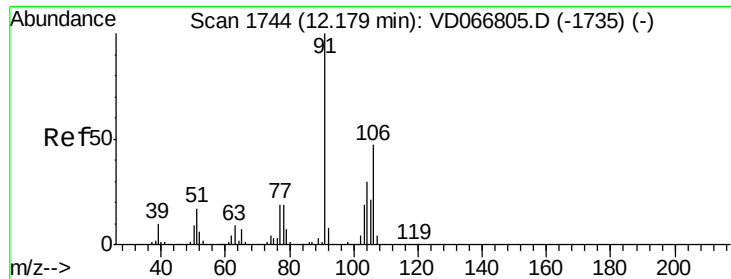
MMDadoda
10/1/2020 2:41:46 PM



#68
m/p-Xylenes
Concen: 43.956 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion: 106 Resp: 347708
Ion Ratio Lower Upper
106 100
91 198.9 160.7 241.1





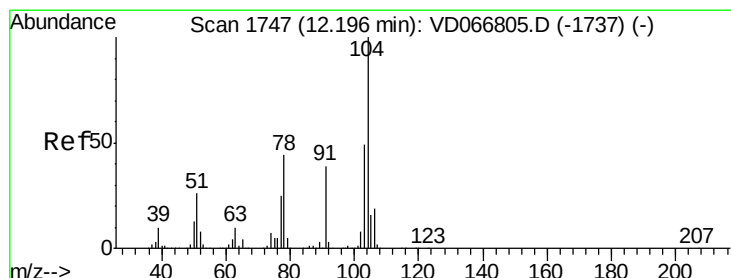
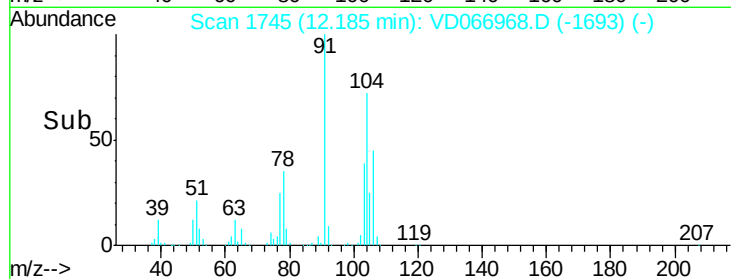
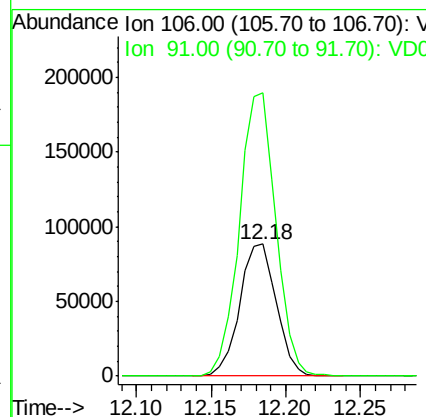
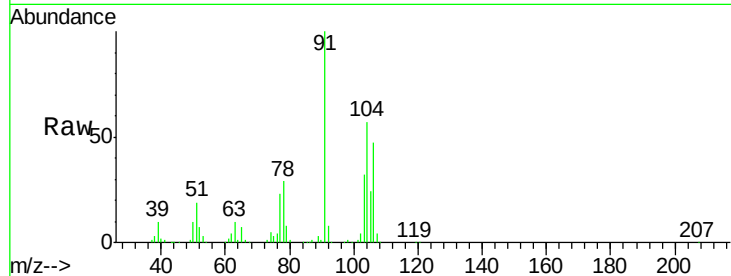
#69
o-Xylene
Concen: 21.079 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		150776		
91	213.4	106.3	318.8		

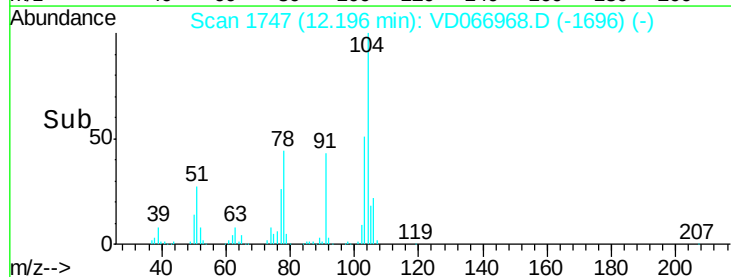
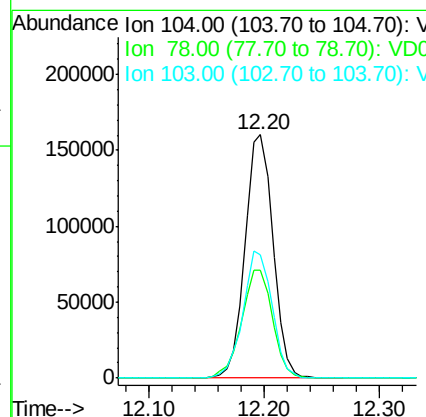
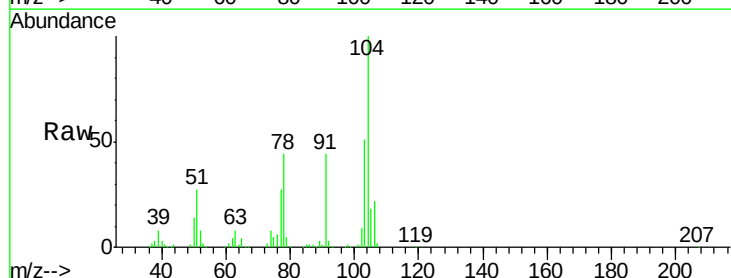
Manual Integrations
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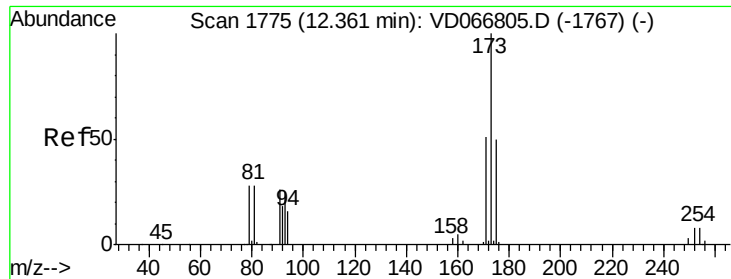
MMDadoda
10/1/2020 2:41:46 PM



#70
Styrene
Concen: 21.790 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		270669		
78	48.9	38.9	58.3		
103	54.3	43.2	64.8		





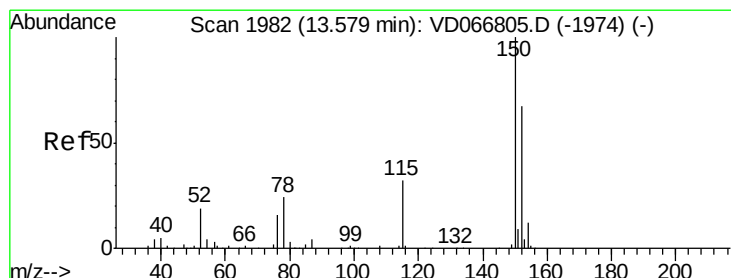
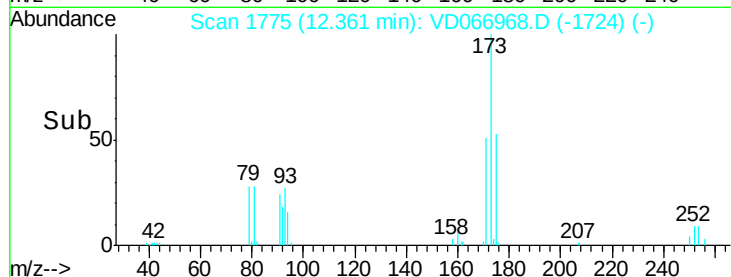
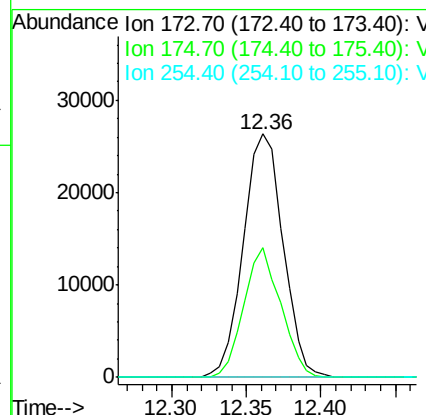
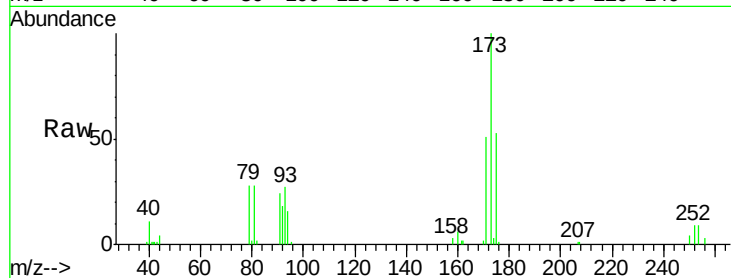
#71
Bromoform
Concen: 21.310 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.9	74.6
254	0.0	0.1	0.1#

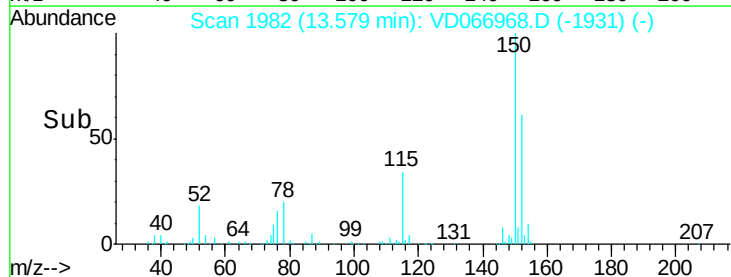
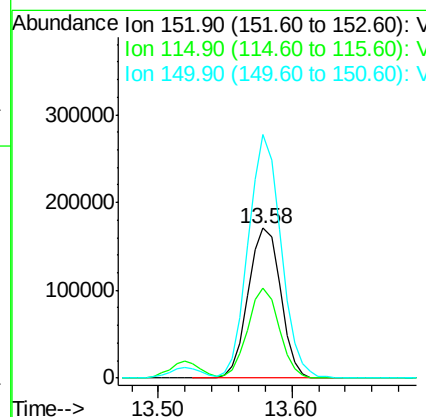
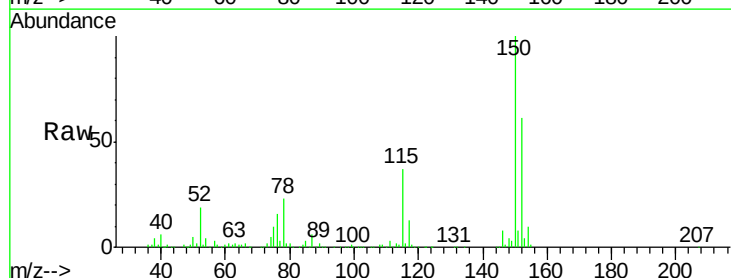
Manual Integrations
APPROVED

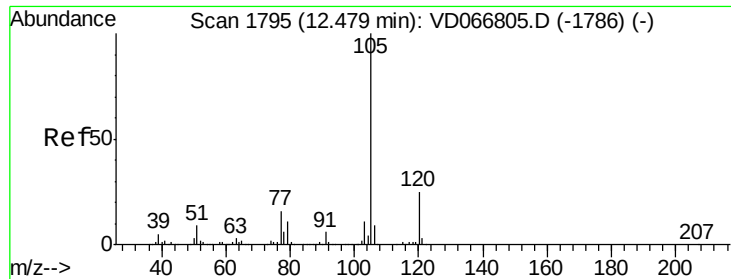
MMDadoda
10/1/2020 2:41:46 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.3	91.0
150	162.4	0.0	346.2





#73

Isopropylbenzene

Concen: 20.534 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion: 105 Resp: 426381

Ion Ratio Lower Upper

105 100

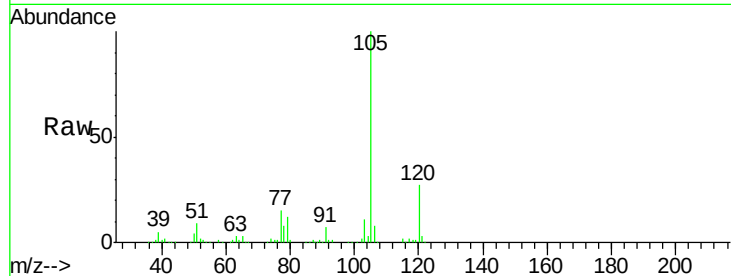
120 26.5 12.9 38.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

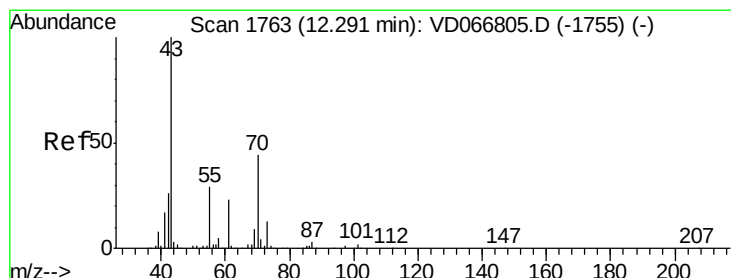
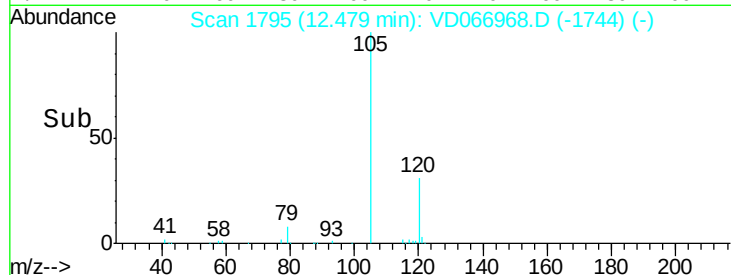
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 18.033 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Tgt Ion: 43 Resp: 73124

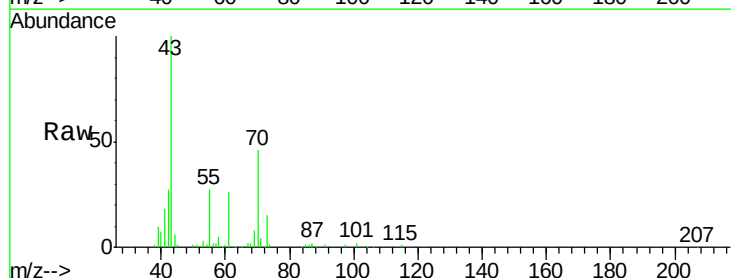
Ion Ratio Lower Upper

43 100

70 45.3 36.1 54.1

55 28.2 21.8 32.8

61 24.7 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

60000

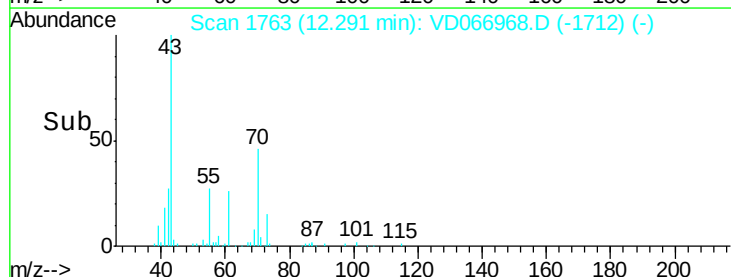
40000

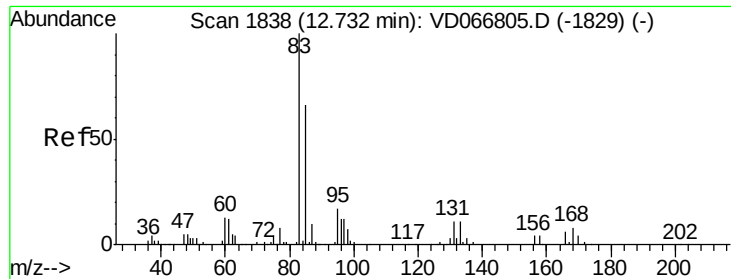
20000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.689 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

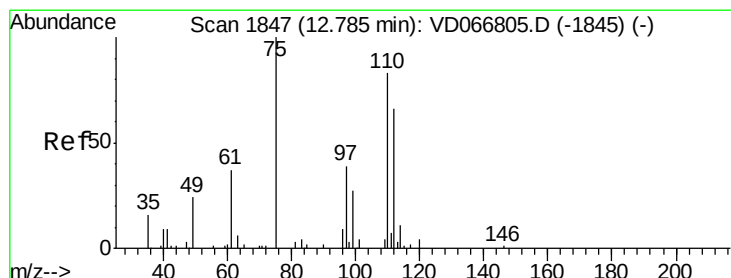
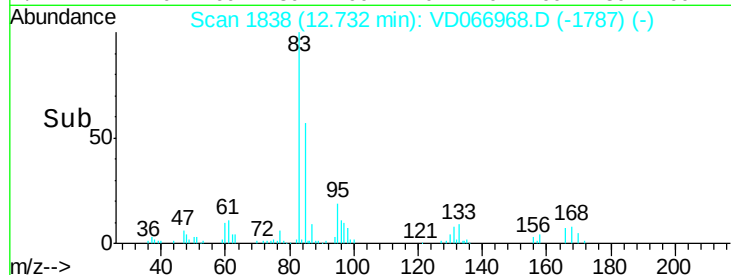
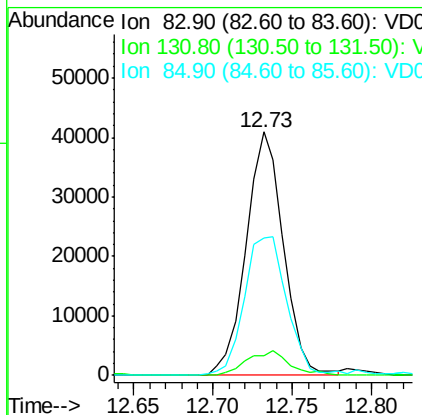
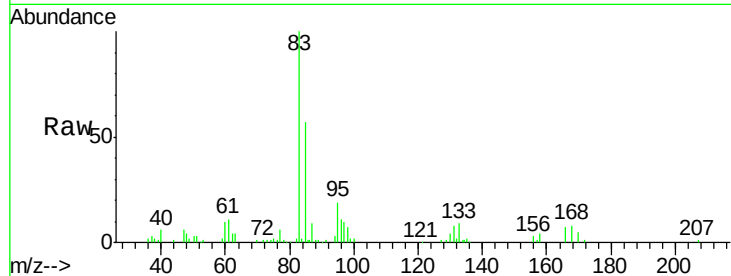
ClientSampleId :

VD0930SBS01

Tot Ion:	83	Resp:	66965
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.5	16.7
85	64.7	32.1	96.5

Manual Integrations
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10/1/2020 2:41:46 PM



#76

1,2,3-Trichloropropane

Concen: 18.099 ug/l m

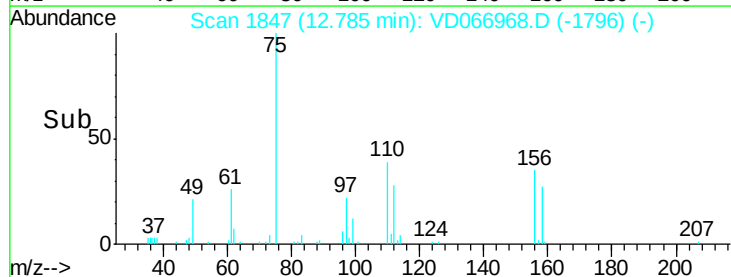
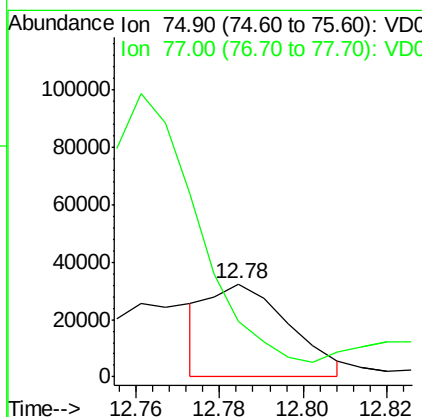
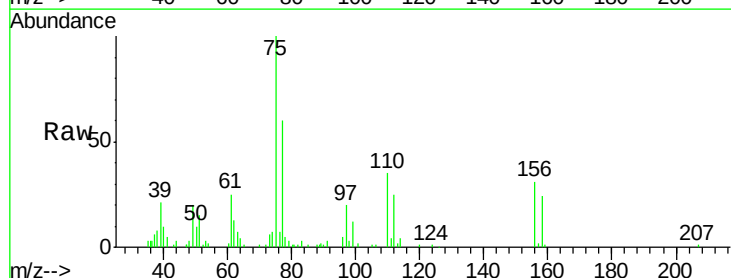
RT: 12.78 min Scan# 1847

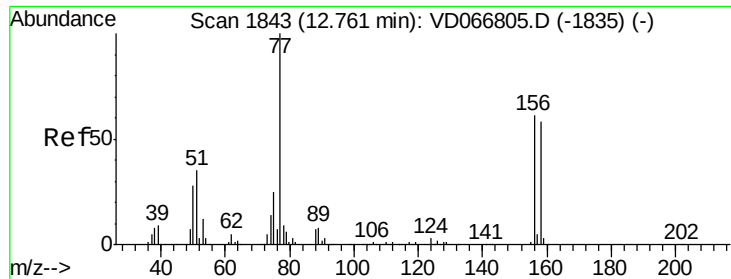
Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Tgt Ion:	75	Resp:	43114
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.948 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

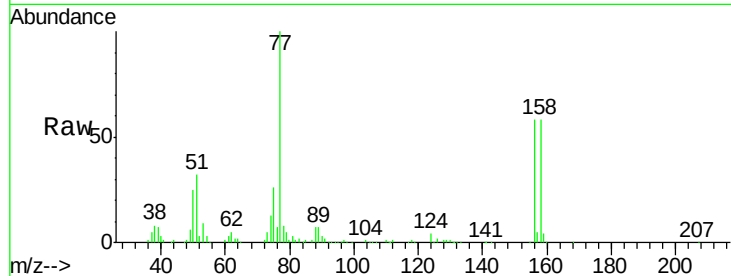
ClientSampleId :

VD0930SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.7	92.3	276.9
158	95.1	47.6	142.9

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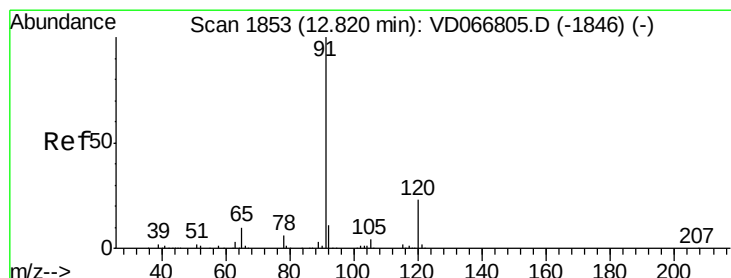
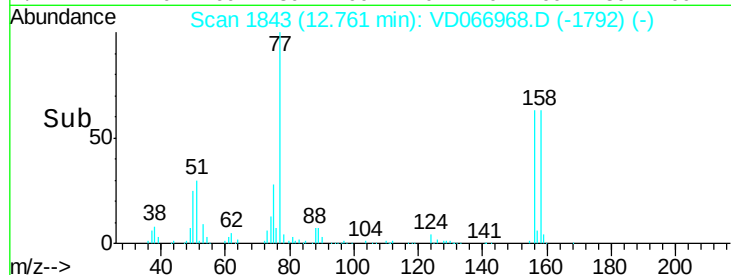
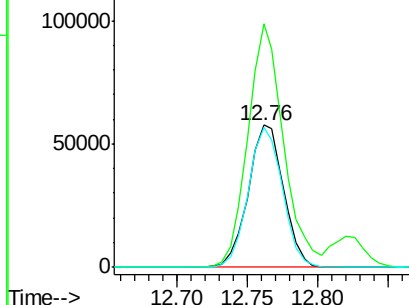
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.555 ug/l

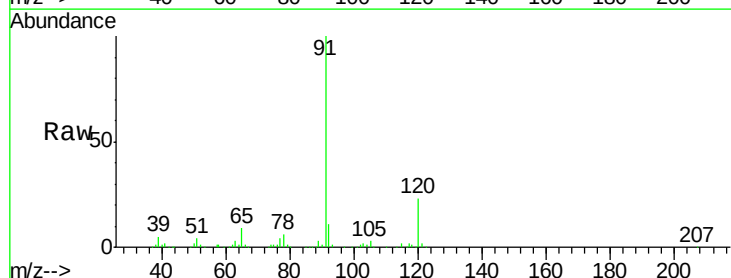
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066968.D

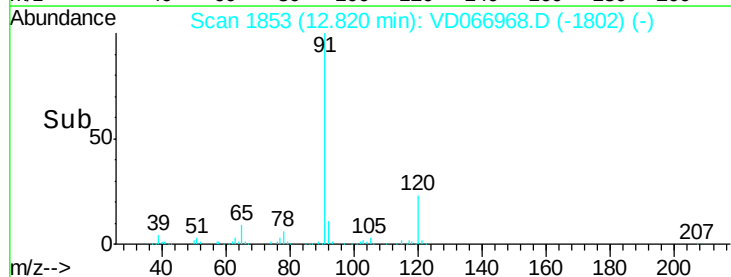
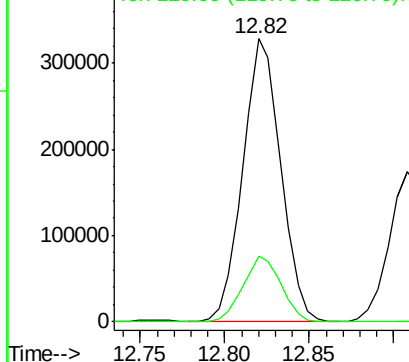
Acq: 30 Sep 2020 12:41

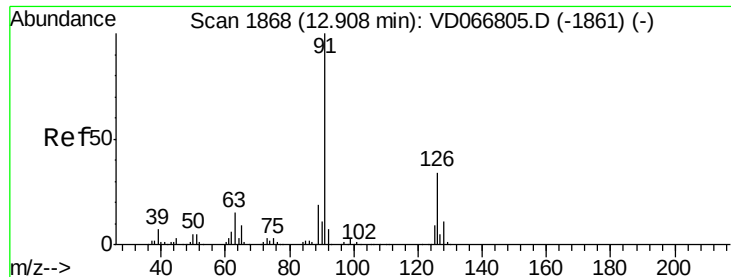
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.4	34.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





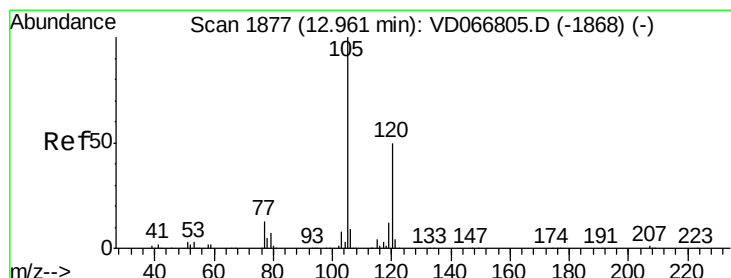
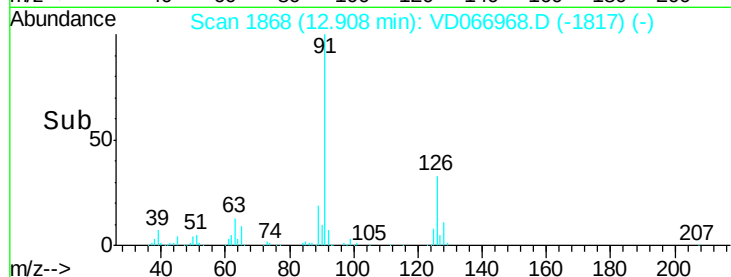
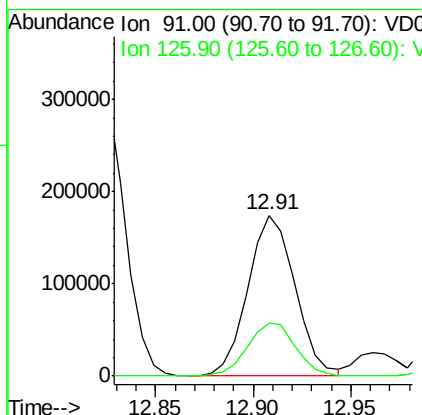
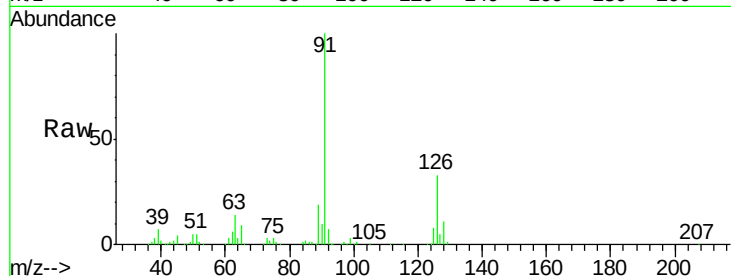
#79
 2-Chlorotoluene
 Concen: 20.501 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.0	51.0

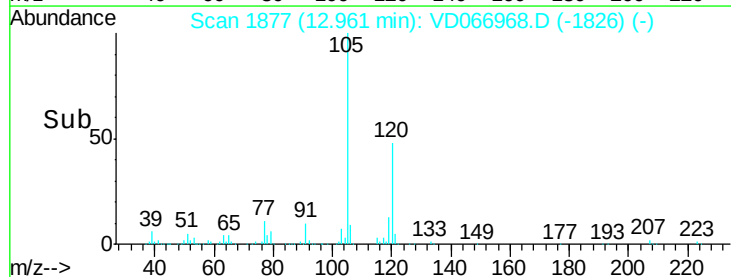
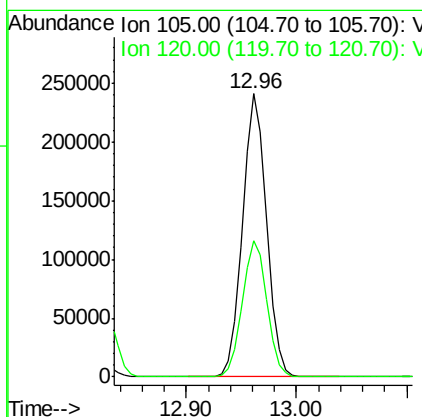
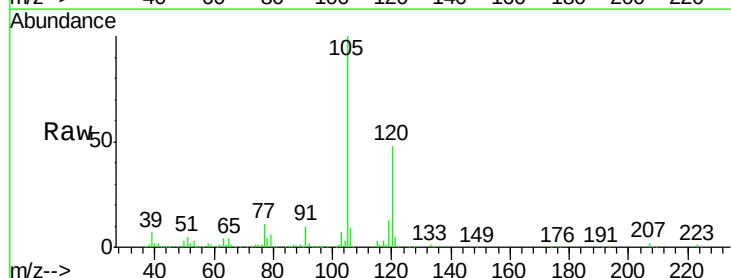
Manual Integrations
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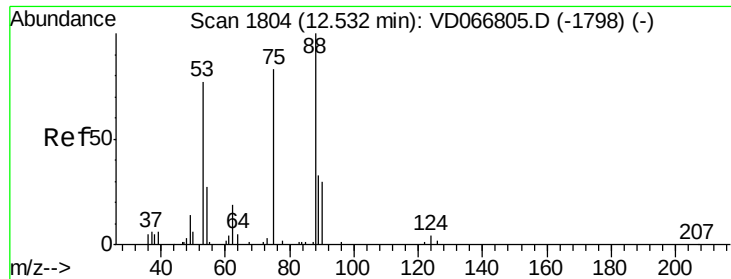
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.963 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.4	73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.387 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

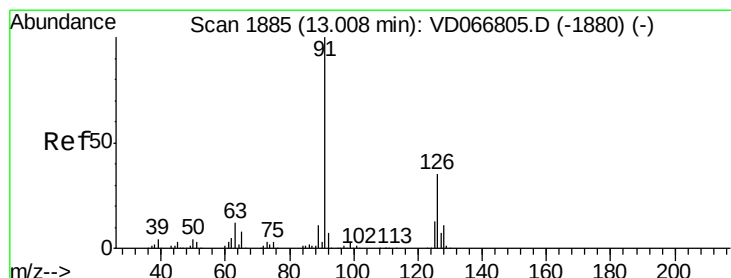
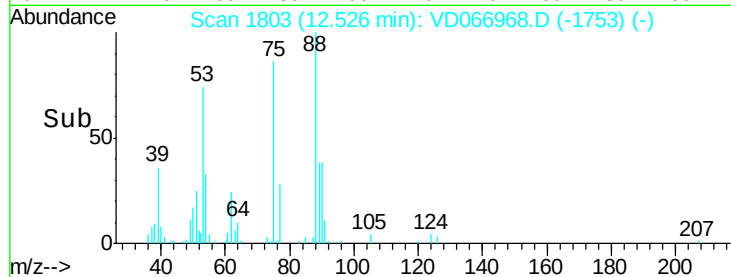
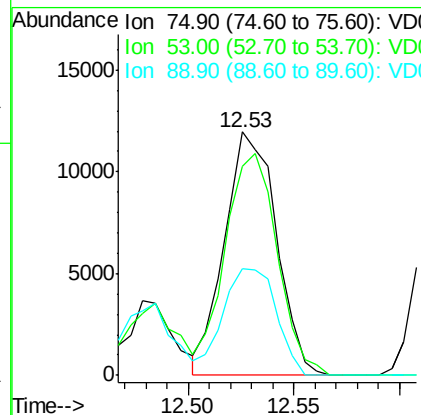
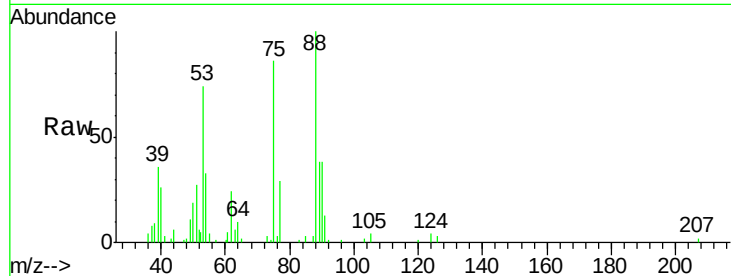
ClientSampleId :

VD0930SBS01

Tot Ion:	75	Resp:	20363
Ion	Ratio	Lower	Upper
75	100		
53	91.8	78.5	117.7
89	45.2	38.1	57.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.647 ug/l

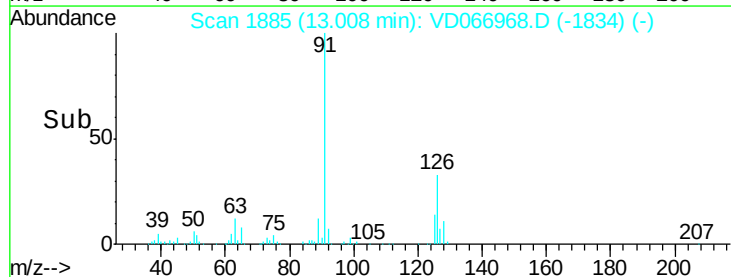
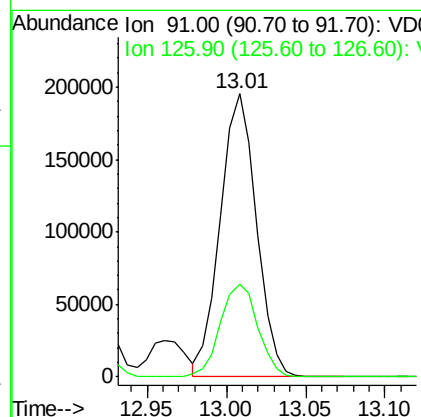
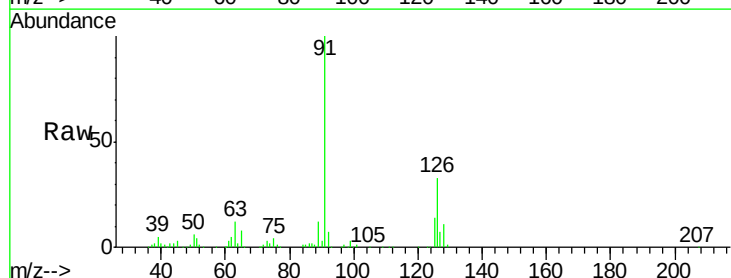
RT: 13.01 min Scan# 1885

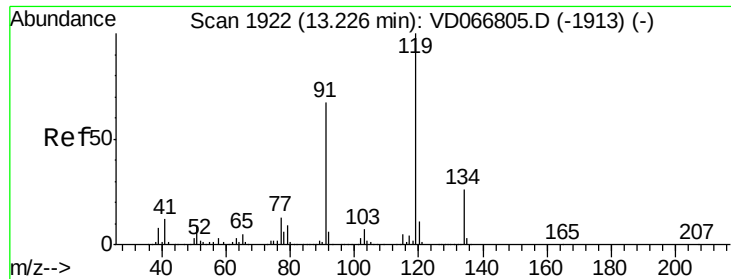
Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Tgt Ion:	91	Resp:	309833
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.1	51.2





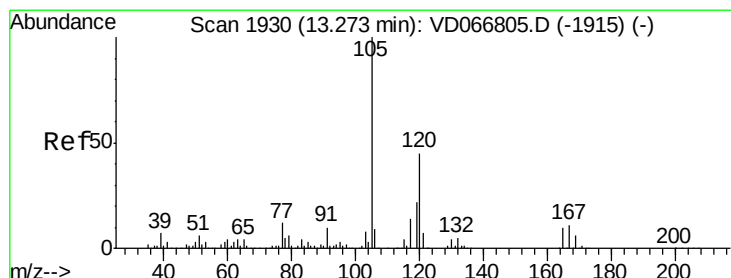
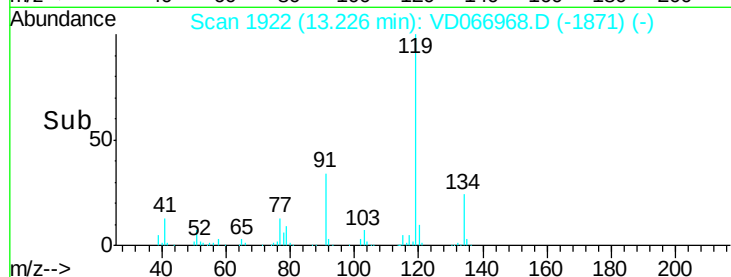
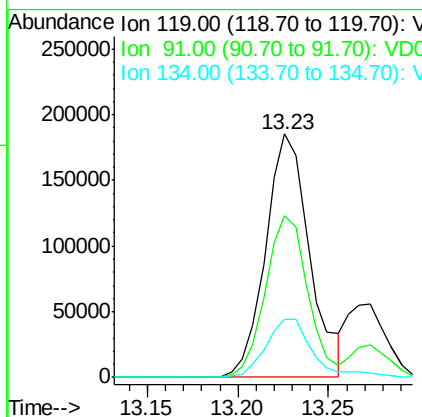
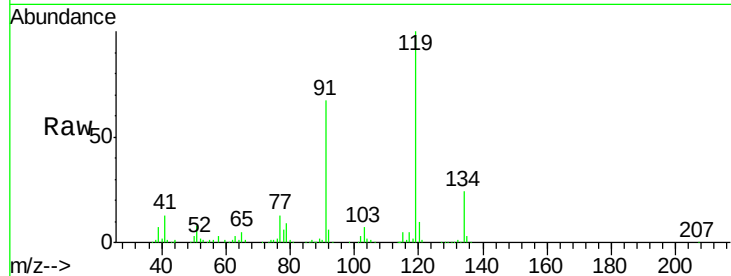
#83
 tert-Butylbenzene
 Concen: 21.657 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	313550		
91	63.8		33.6	100.8
134	25.6		13.5	40.4

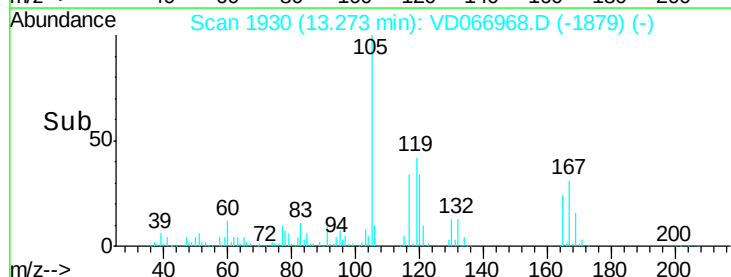
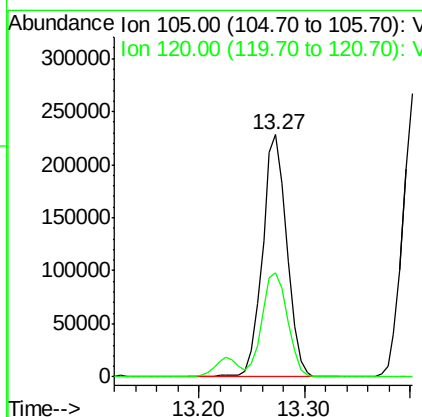
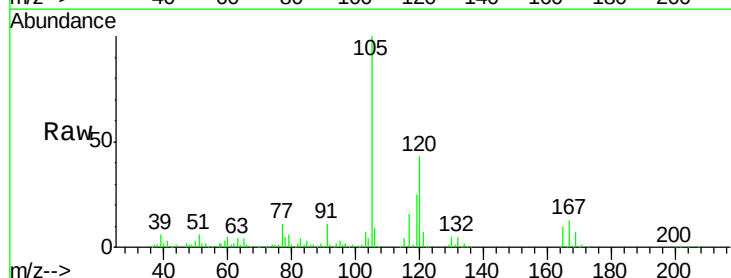
Manual Integrations
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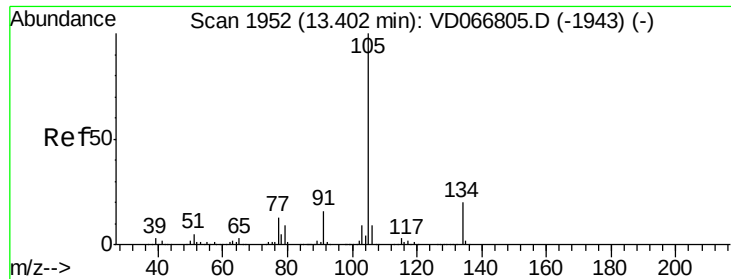
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.929 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	365660		
120	45.1		22.3	66.9





#85

sec-Butylbenzene

Concen: 20.786 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBS01

Tot Ion:105 Resp: 432759

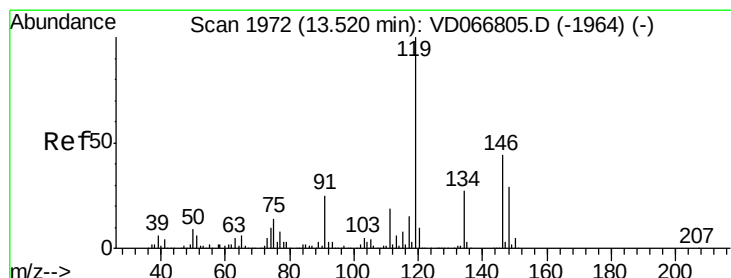
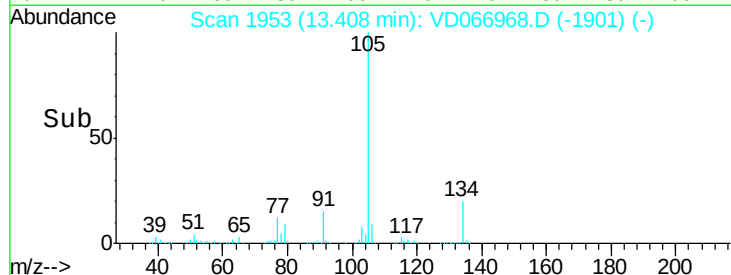
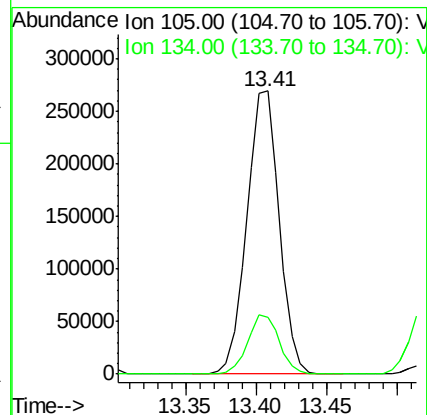
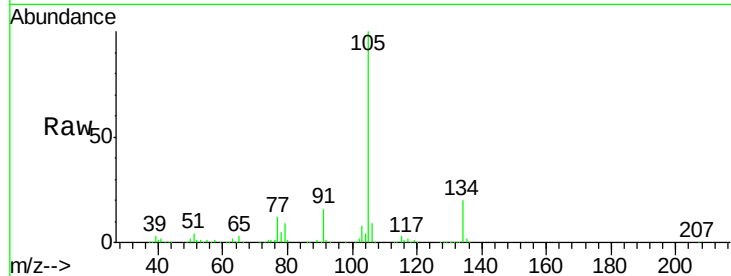
Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.487 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

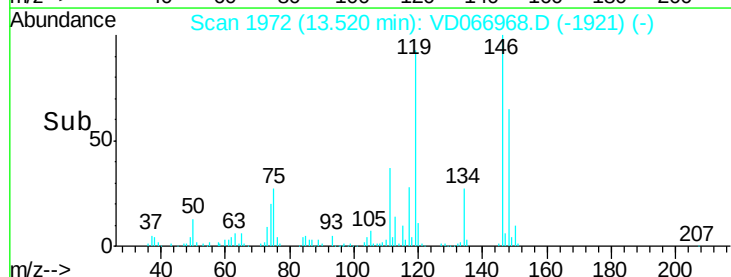
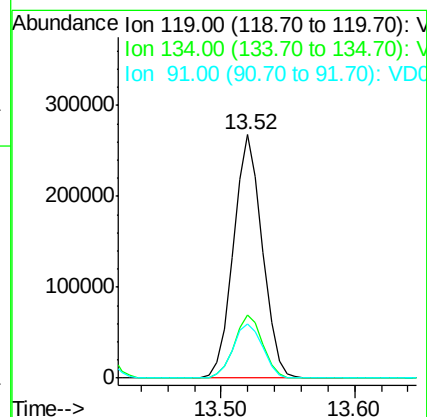
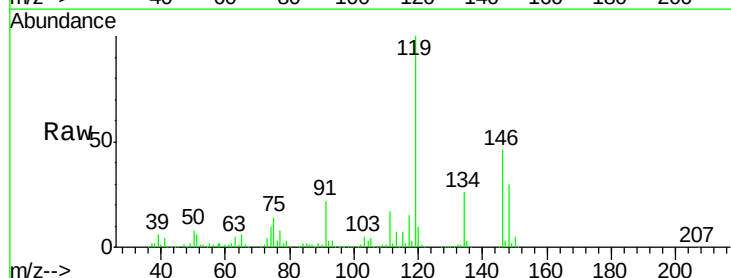
Tgt Ion:119 Resp: 403239

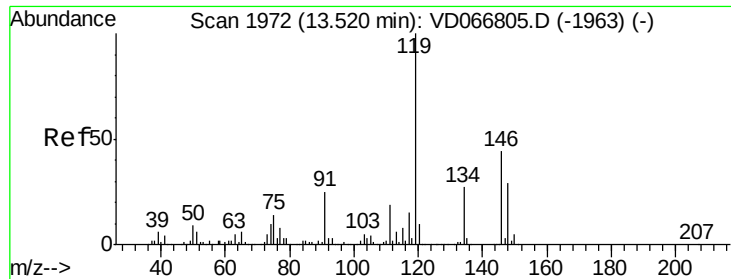
Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 23.0 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 20.882 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Instrument :

MSVOA_D

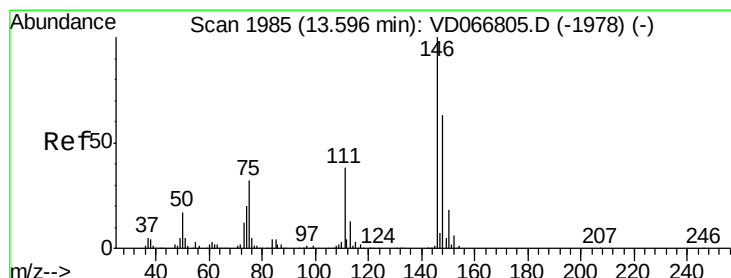
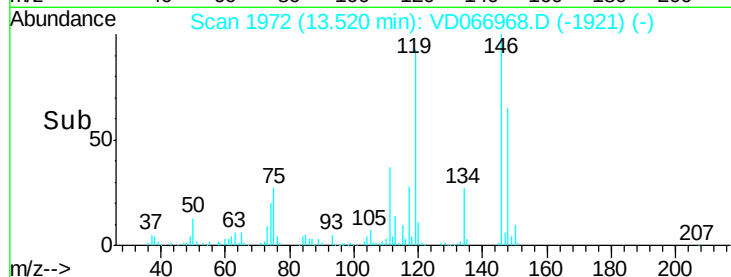
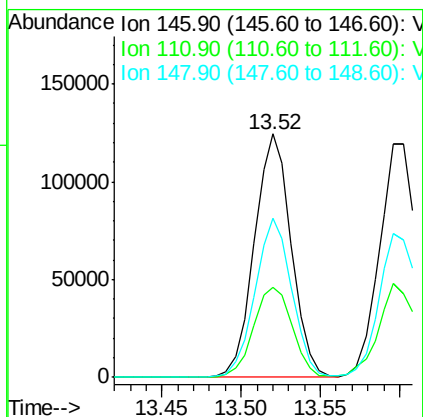
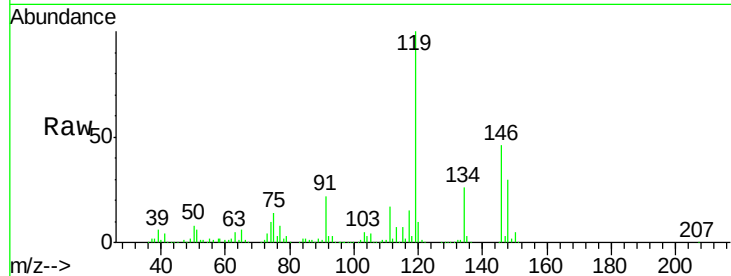
ClientSampleId :

VD0930SBS01

Tot Ion:	146	Resp:	200349
Ion Ratio	Lower	Upper	
146	100		
111	39.3	20.3	60.9
148	65.4	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.832 ug/l

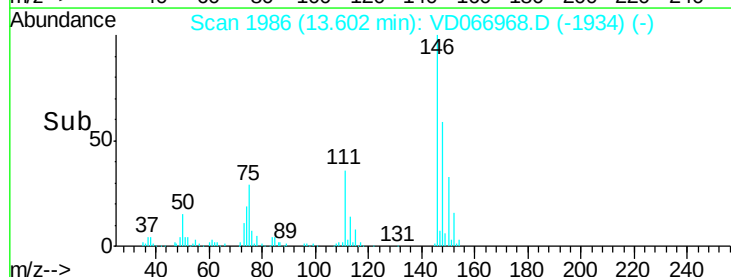
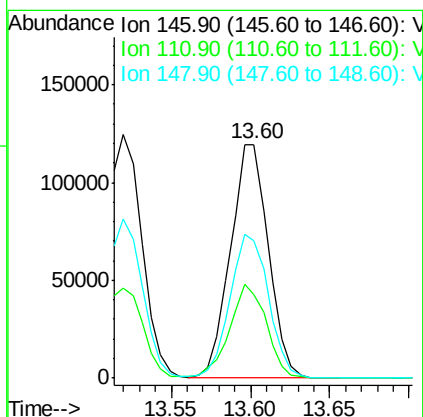
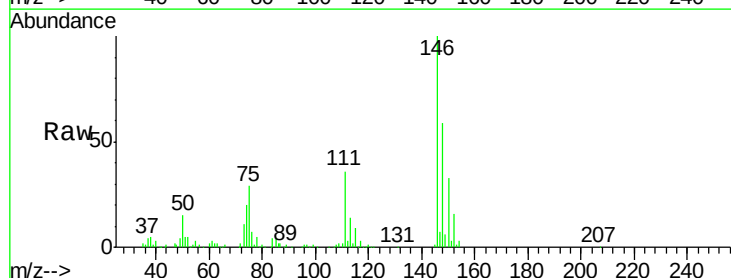
RT: 13.60 min Scan# 1986

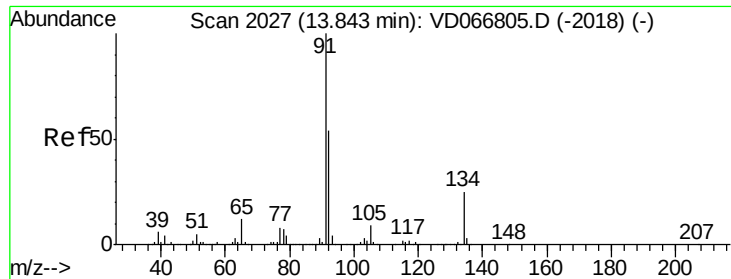
Delta R.T. 0.01 min

Lab File: VD066968.D

Acq: 30 Sep 2020 12:41

Tgt Ion:	146	Resp:	198518
Ion Ratio	Lower	Upper	
146	100		
111	39.2	20.2	60.5
148	62.4	31.6	94.7





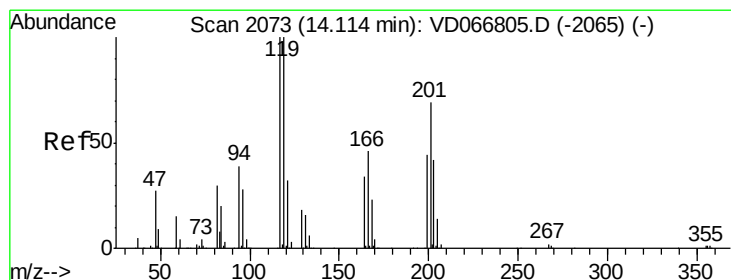
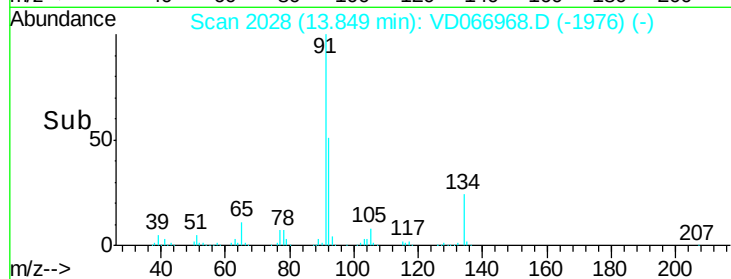
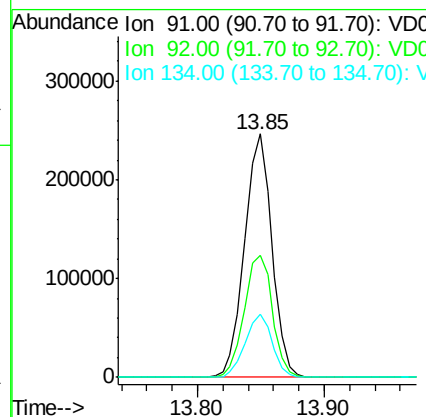
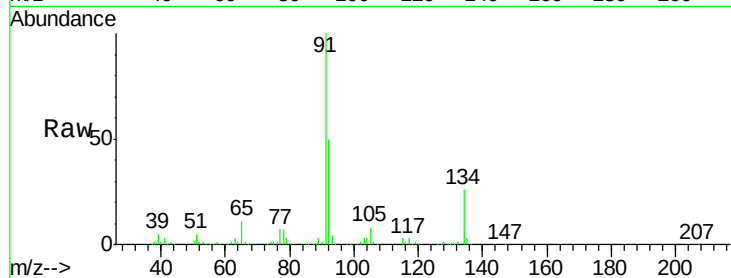
#89
n-Butylbenzene
Concen: 20.671 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.7	26.7	80.0	
134	25.7	13.1	39.1	

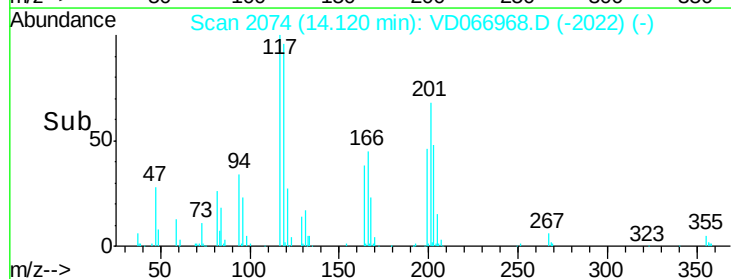
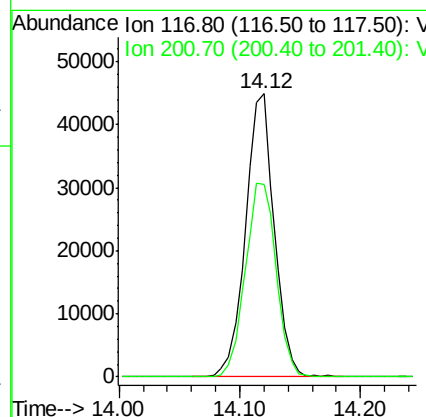
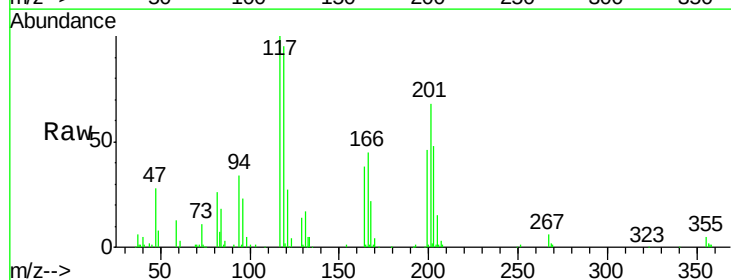
Manual Integrations
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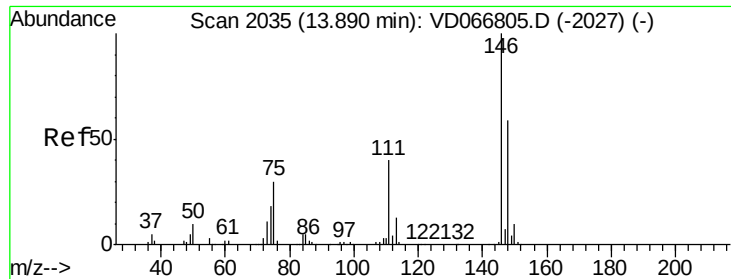
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#90
Hexachloroethane
Concen: 19.561 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	73.0	33.7	101.0	





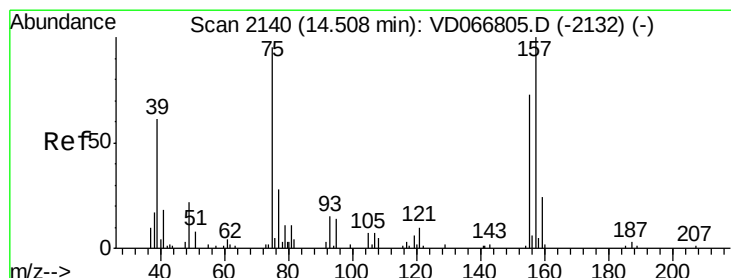
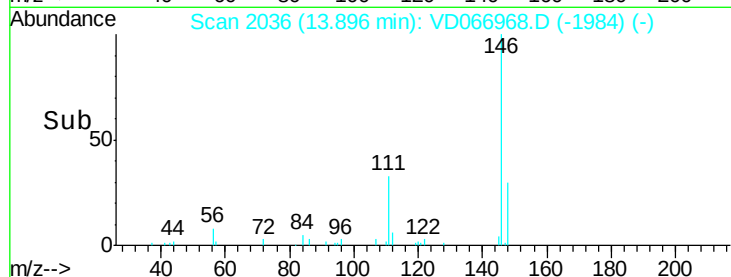
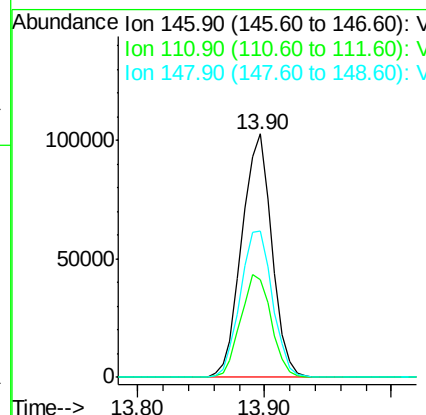
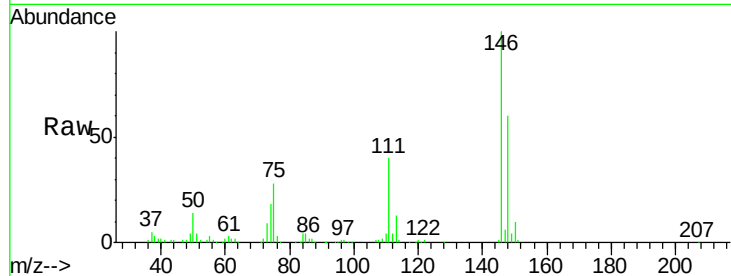
#91
 1,2-Dichlorobenzene
 Concen: 20.538 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168586		
111	42.9	20.9	62.7	
148	64.3	31.8	95.3	

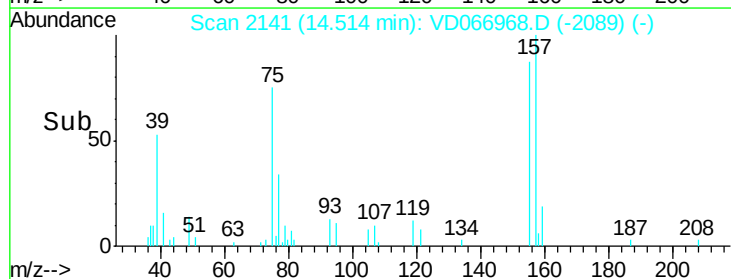
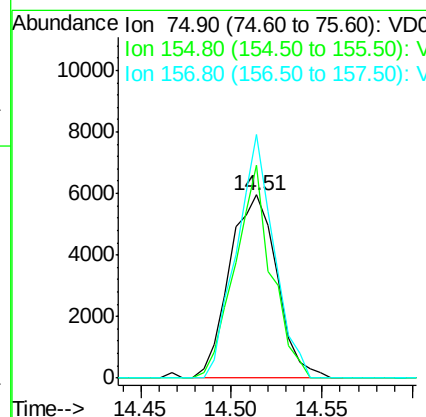
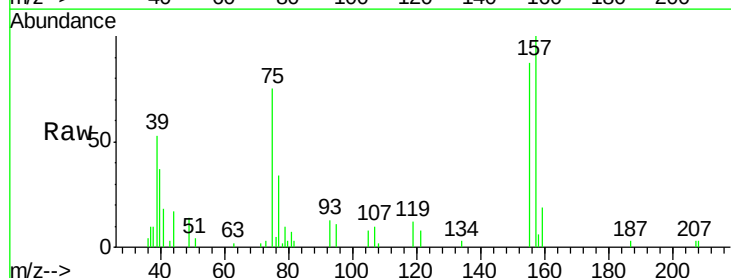
Manual Integrations
 APPROVED

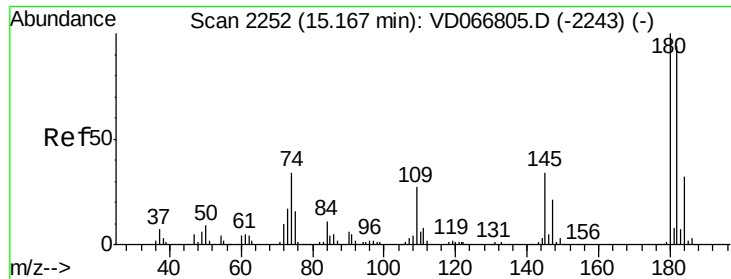
MMDadoda
 10/1/2020 2:41:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.788 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10829		
155	89.6	40.4	121.2	
157	104.6	51.3	153.9	





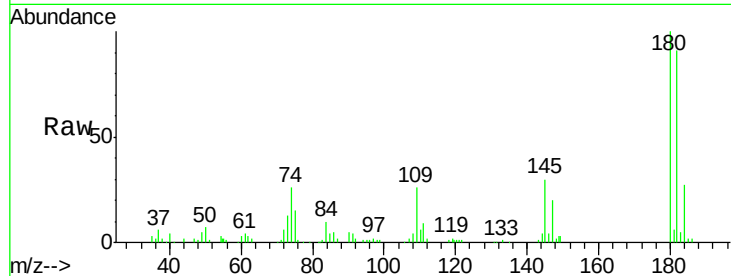
#93
 1,2,4-Trichlorobenzene
 Concen: 21.272 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

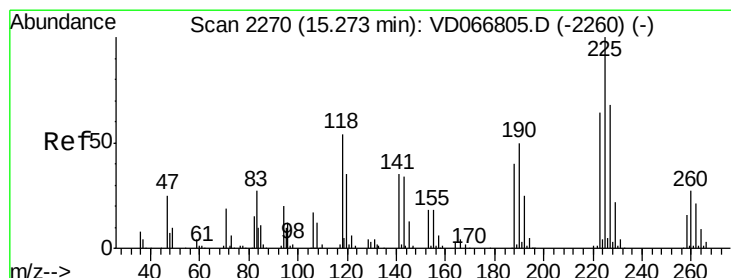
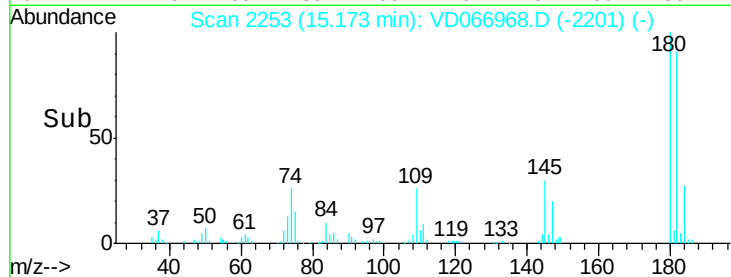
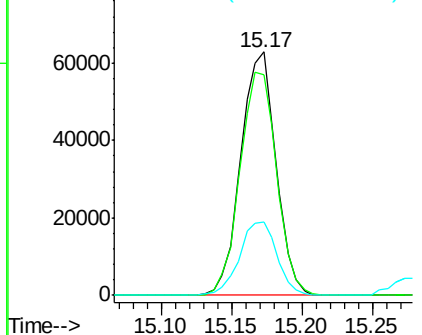
Tot Ion	Ratio	Resp	Lower	Upper
180	100	109921		
182	95.3	48.8	146.3	
145	31.8	16.7	50.0	

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 2:41:46 PM

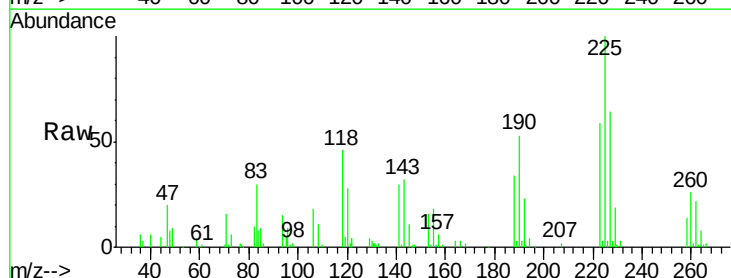


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

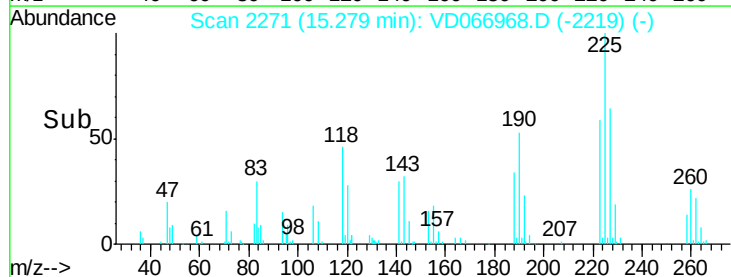
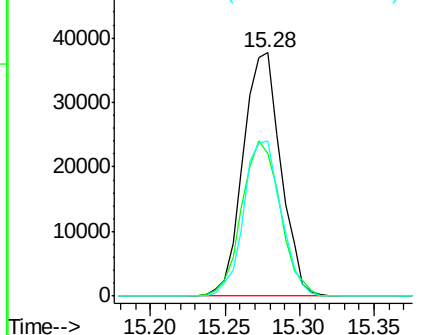


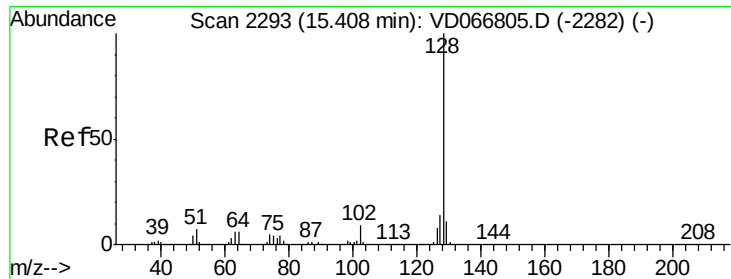
#94
 Hexachlorobutadiene
 Concen: 21.343 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066968.D
 Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66089		
223	65.0	31.1	93.3	
227	62.8	31.7	95.1	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





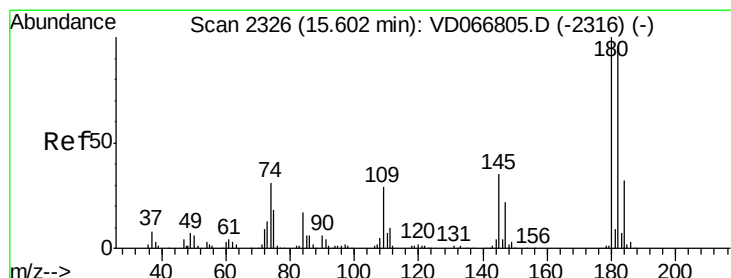
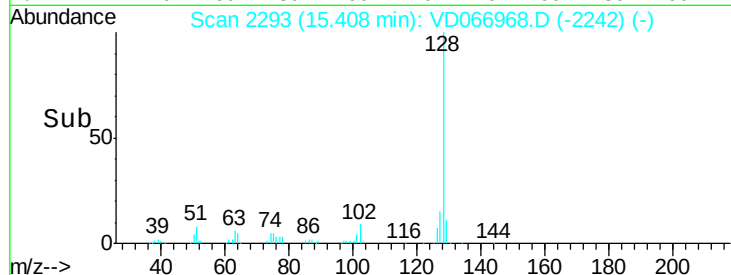
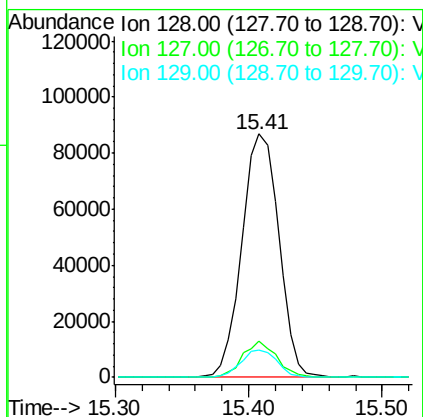
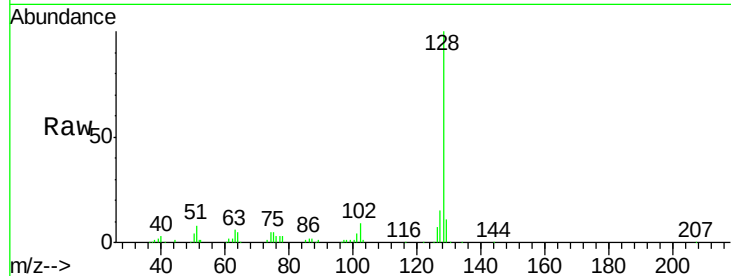
#95
Naphthalene
Concen: 18.985 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	166559		
127	13.7		10.6	16.0
129	10.9		8.9	13.3

Manual Integrations
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10/1/2020 2:41:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.317 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066968.D
Acq: 30 Sep 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	95073		
182	94.1		46.8	140.3
145	33.5		17.0	51.0

