

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066946.D
 Acq On : 29 Sep 2020 18:37
 Operator : VA/SY
 Sample : L4179-09MS
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MS

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:22:02 PM

Quant Time: Sep 30 03:55:30 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	370248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	589516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	515217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	217543	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	170492	47.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.10%	
35) Dibromofluoromethane	7.91	113	190226	50.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.44%	
50) Toluene-d8	10.34	98	627630	49.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.63	95	202757	46.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.70%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	128612	49.793	ug/l	92
3) Chloromethane	2.20	50	141820	41.690	ug/l	93
4) Vinyl Chloride	2.35	62	144799	43.085	ug/l	94
5) Bromomethane	2.77	94	107967	45.706	ug/l	99
6) Chloroethane	2.92	64	93473	44.788	ug/l	97
7) Trichlorofluoromethane	3.27	101	324671	47.039	ug/l	99
8) Diethyl Ether	3.71	74	98233	56.061	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	185900	46.449	ug/l	97
10) Methyl Iodide	4.30	142	177402	50.231	ug/l	97
11) Tert butyl alcohol	5.23	59	52655	238.279	ug/l	100
12) 1,1-Dichloroethene	4.06	96	183502	50.613	ug/l	92
13) Acrolein	3.92	56	64776	242.308	ug/l	92
14) Allyl chloride	4.71	41	270848	50.875	ug/l	98
15) Acrylonitrile	5.42	53	194945	251.047	ug/l	97
16) Acetone	4.16	43	151316	196.836	ug/l	94
17) Carbon Disulfide	4.41	76	516848	46.629	ug/l	97
18) Methyl Acetate	4.72	43	111878	66.417	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	441027	56.014	ug/l	95
20) Methylene Chloride	4.97	84	236488	57.923	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	223844	53.322	ug/l	92
22) Diisopropyl ether	6.37	45	602916	55.080	ug/l	99
23) Vinyl Acetate	6.31	43	1276177m	215.112	ug/l	
24) 1,1-Dichloroethane	6.26	63	383915	52.427	ug/l	98
25) 2-Butanone	7.21	43	218156	236.146	ug/l	100
26) 2,2-Dichloropropane	7.21	77	305477	45.513	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	257029	56.351	ug/l	95
28) Bromochloromethane	7.55	49	158771	52.482	ug/l #	91
29) Tetrahydrofuran	7.56	42	145180	245.262	ug/l	95
30) Chloroform	7.71	83	426800	54.069	ug/l	98
31) Cyclohexane	7.98	56	260377	39.517	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	359729	50.377	ug/l	98
36) 1,1-Dichloropropene	8.11	75	287776	49.205	ug/l	98
37) Ethyl Acetate	7.29	43	103360	48.887	ug/l #	94
38) Carbon Tetrachloride	8.10	117	312415	48.860	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	253656	37.775	ug/l	99
40) Benzene	8.35	78	871019	53.438	ug/l	96
41) Methacrylonitrile	7.53	41	61751	47.493	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	249618	51.803	ug/l	100
43) Isopropyl Acetate	8.45	43	199121	48.849	ug/l	98
44) Trichloroethene	9.11	130	242636	52.225	ug/l	91
45) 1,2-Dichloropropane	9.38	63	219484	53.520	ug/l	97
46) Dibromomethane	9.47	93	118585	53.221	ug/l	93
47) Bromodichloromethane	9.66	83	324985	54.295	ug/l	98
48) Methyl methacrylate	9.45	41	100331	49.922	ug/l	94
49) 1,4-Dioxane	9.46	88	27893	1115.893	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	534371	258.721	ug/l	100
52) Toluene	10.40	92	554550	52.819	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	277295	54.430	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	339690	54.683	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	164110	53.576	ug/l	95
56) Ethyl methacrylate	10.66	69	184969	56.368	ug/l	95
57) 1,3-Dichloropropane	10.94	76	273613	54.096	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	375270	241.527	ug/l	99
59) 2-Hexanone	10.98	43	352543	253.104	ug/l	94
60) Dibromochloromethane	11.14	129	215533	53.914	ug/l	98
61) 1,2-Dibromoethane	11.24	107	156113	54.794	ug/l	98
64) Tetrachloroethene	10.87	164	199425	53.811	ug/l	98
65) Chlorobenzene	11.67	112	573141	53.442	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	226664	55.842	ug/l	98
67) Ethyl Benzene	11.74	91	979902	52.024	ug/l	99
68) m/p-Xylenes	11.85	106	759799	106.542	ug/l	98
69) o-Xylene	12.18	106	348234	54.003	ug/l	99
70) Styrene	12.20	104	622587	55.595	ug/l	99
71) Bromoform	12.36	173	114809	55.865	ug/l #	96
73) Isopropylbenzene	12.48	105	878162	55.879	ug/l	98
74) N-amyl acetate	12.28	43	173382	56.495	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	161715	59.635	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	102910m	57.083	ug/l	
77) Bromobenzene	12.76	156	223391	60.779	ug/l	95
78) n-propylbenzene	12.82	91	989549	52.340	ug/l	98
79) 2-Chlorotoluene	12.91	91	603004	55.970	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	733049	54.973	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	43368	60.185	ug/l	99
82) 4-Chlorotoluene	13.01	91	619991	54.591	ug/l	99
83) tert-Butylbenzene	13.23	119	578730	52.816	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	737927	55.807	ug/l	99
85) sec-Butylbenzene	13.41	105	734222	46.597	ug/l	99
86) p-Isopropyltoluene	13.52	119	697703	49.124	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	388531	53.506	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	382296	53.008	ug/l	99
89) n-Butylbenzene	13.85	91	571089	42.304	ug/l	98
90) Hexachloroethane	14.11	117	128022	44.398	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	337246	54.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24097	55.240	ug/l	93

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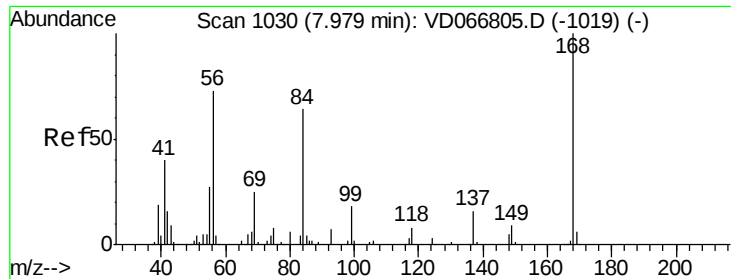
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	170457	43.586	ug/l	98
94) Hexachlorobutadiene	15.27	225	63359	27.036	ug/l	94
95) Naphthalene	15.41	128	367525	55.353	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	147050	43.565	ug/l	97

(#) = 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: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MS

Tot Ion:168 Resp: 370248

Ion Ratio Lower Upper

168 100

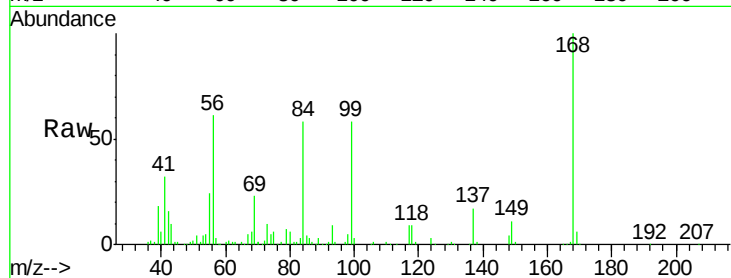
99 57.5 46.6 69.8

Manual Integrations

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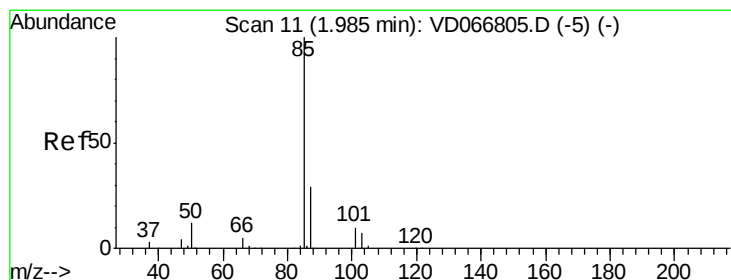
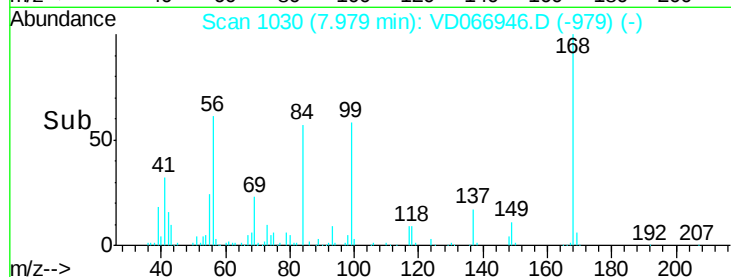
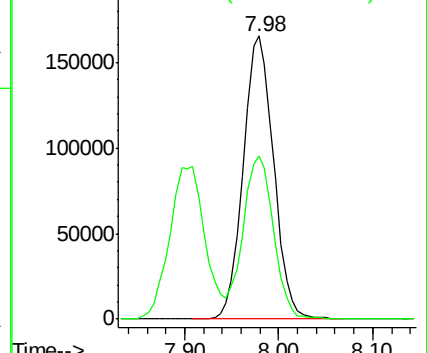
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 49.793 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066946.D

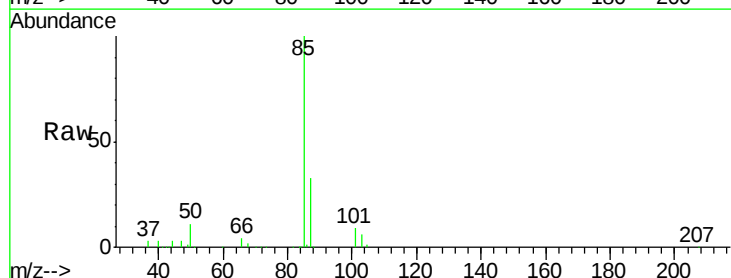
Acq: 29 Sep 2020 18:37

Tgt Ion: 85 Resp: 128612

Ion Ratio Lower Upper

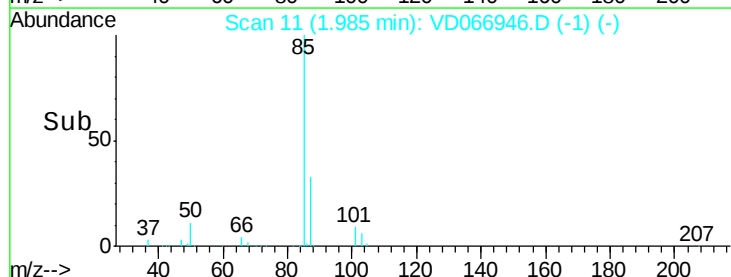
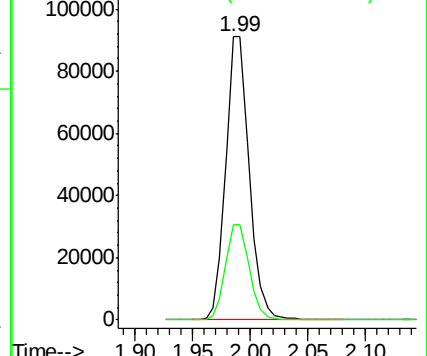
85 100

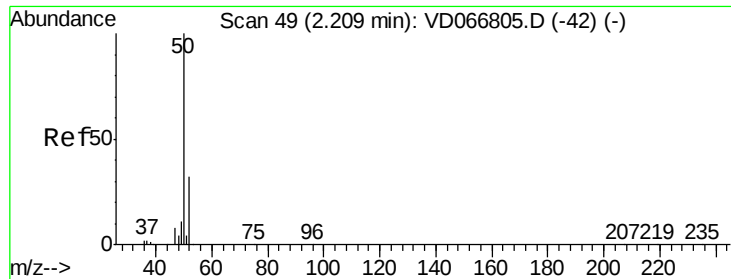
87 33.5 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.690 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MS

Tot Ion: 50 Resp: 141820

Ion Ratio Lower Upper

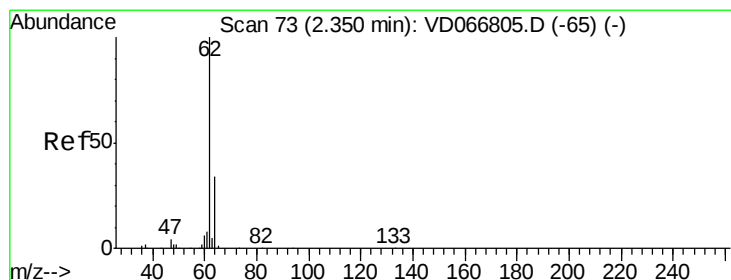
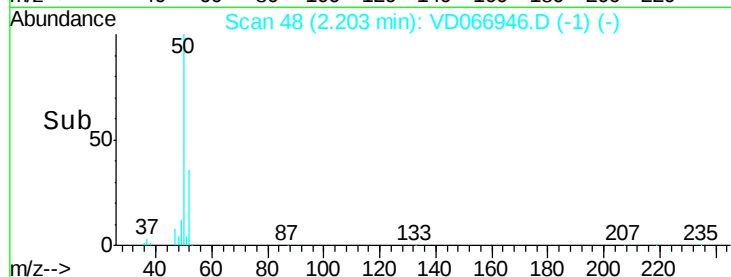
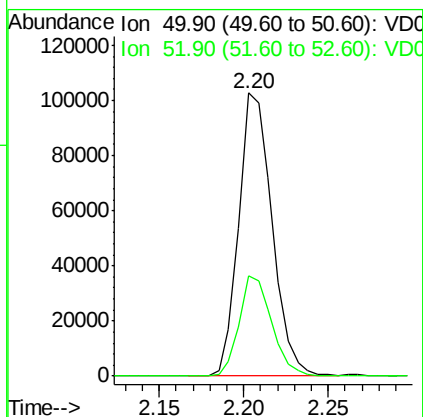
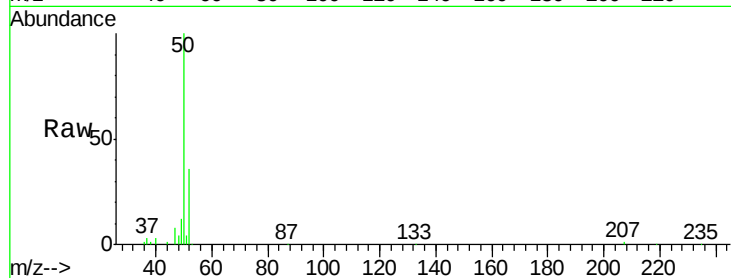
50 100

52 35.5 25.5 38.3

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#4

Vinyl Chloride

Concen: 43.085 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066946.D

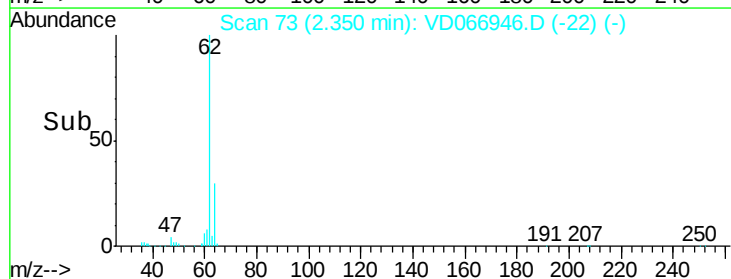
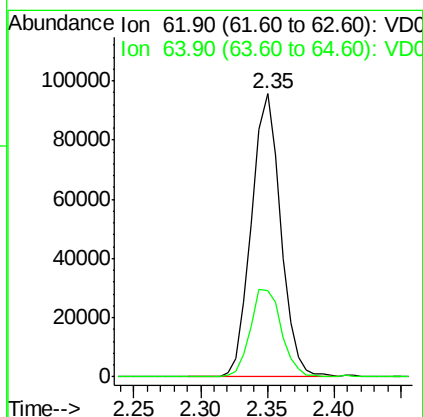
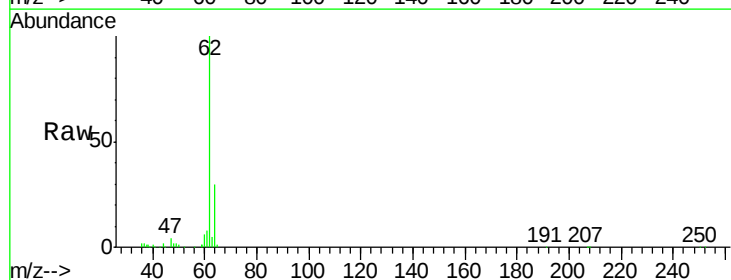
Acq: 29 Sep 2020 18:37

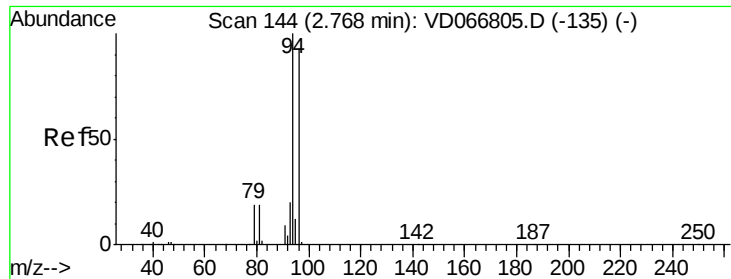
Tgt Ion: 62 Resp: 144799

Ion Ratio Lower Upper

62 100

64 30.3 27.0 40.4





#5

Bromomethane

Concen: 45.706 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

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Tot Ion: 94 Resp: 107967

Ion Ratio Lower Upper

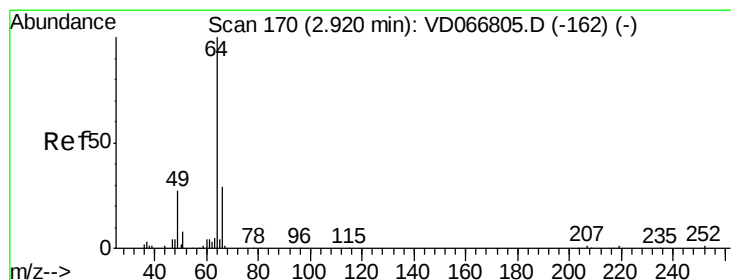
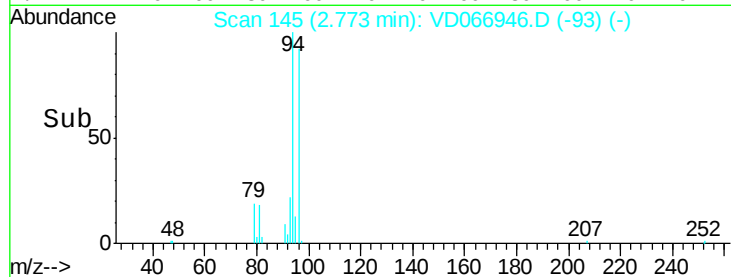
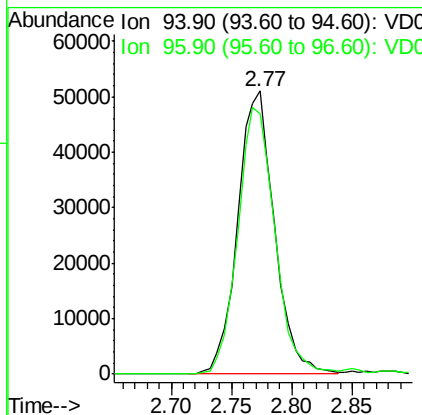
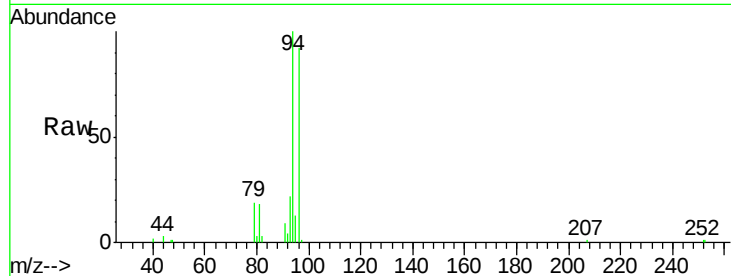
94 100

96 92.2 74.3 111.5

Manual Integrations
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#6

Chloroethane

Concen: 44.788 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066946.D

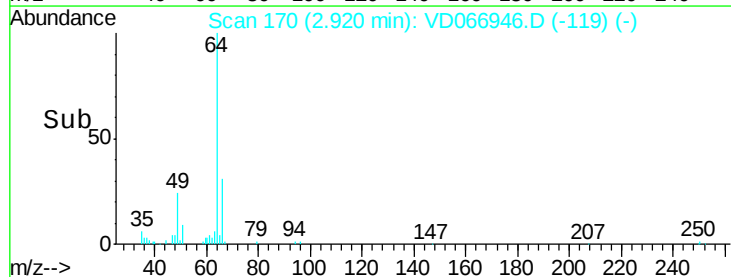
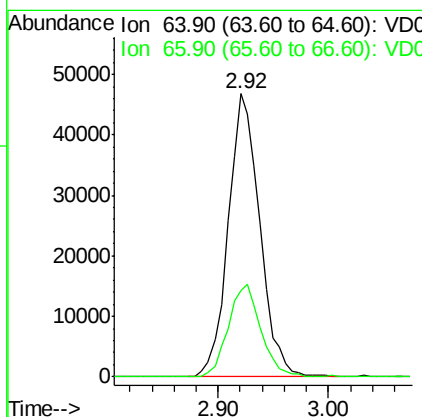
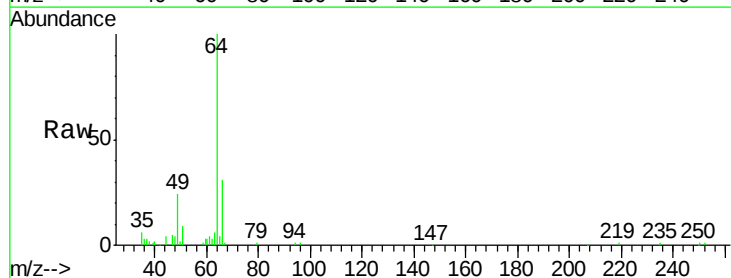
Acq: 29 Sep 2020 18:37

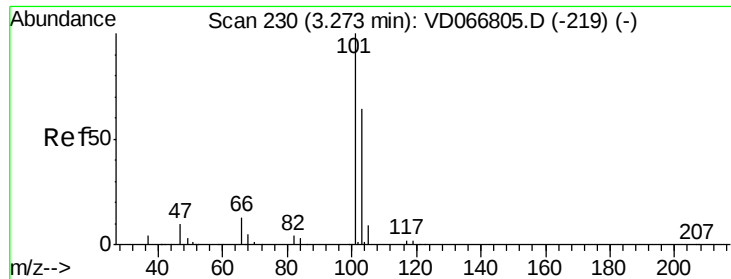
Tgt Ion: 64 Resp: 93473

Ion Ratio Lower Upper

64 100

66 30.6 23.3 34.9





#7

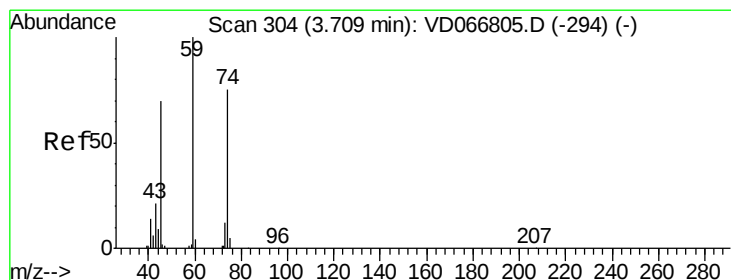
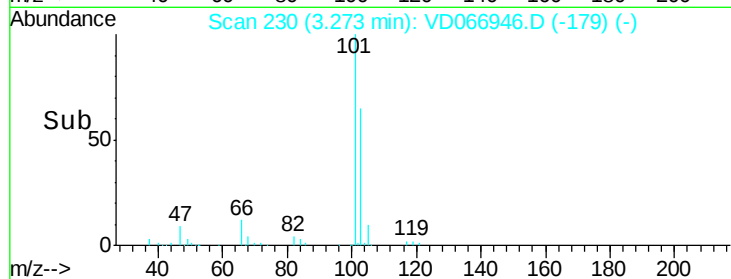
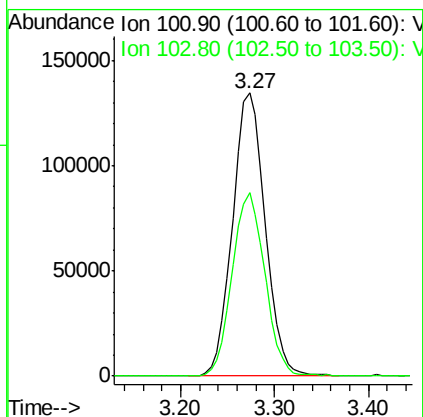
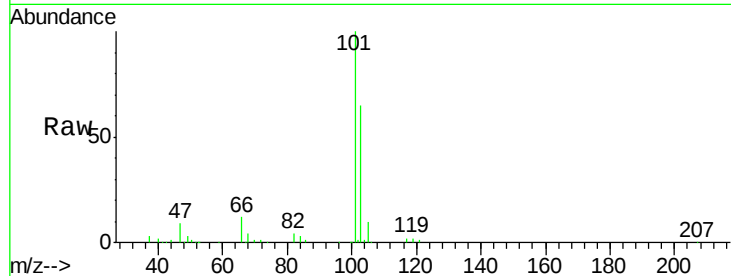
Trichlorofluoromethane
 Concen: 47.039 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	324671		
103	64.7	51.0	76.6	

Manual Integrations
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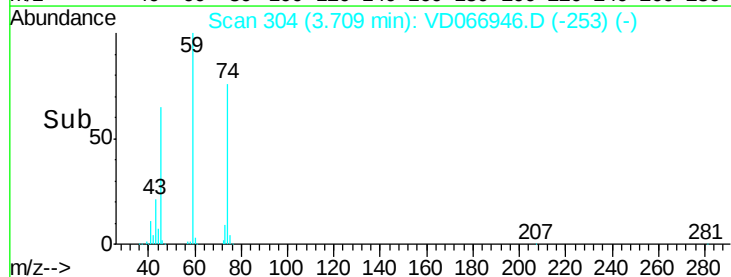
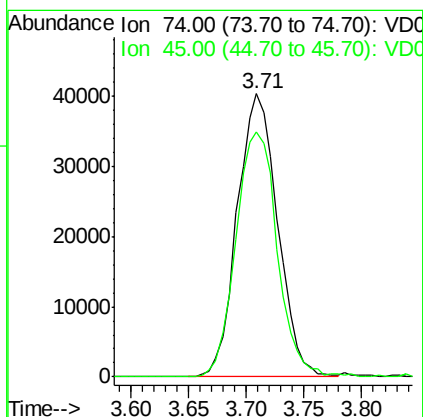
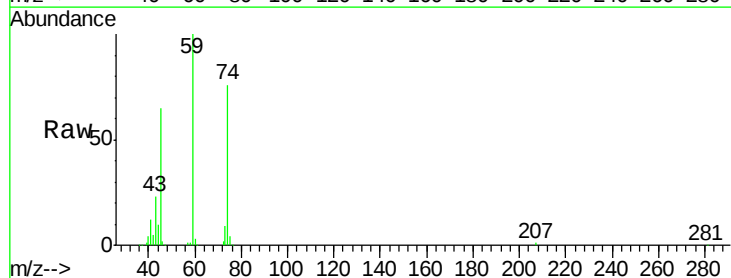
MMDadoda
 9/30/2020 1:22:02 PM

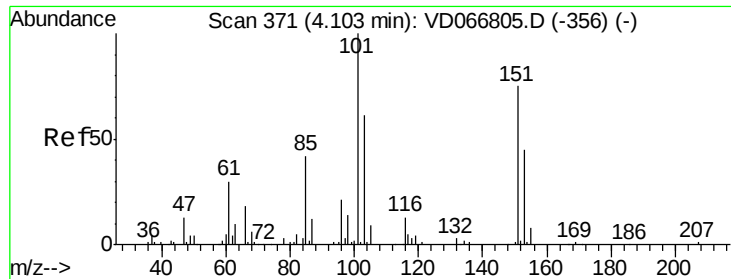


#8

Diethyl Ether
 Concen: 56.061 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	98233		
45	89.0	46.0	138.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.449 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

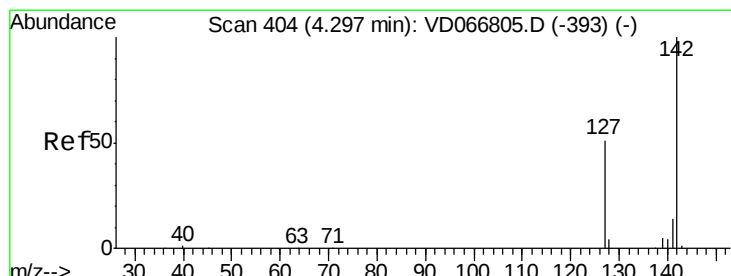
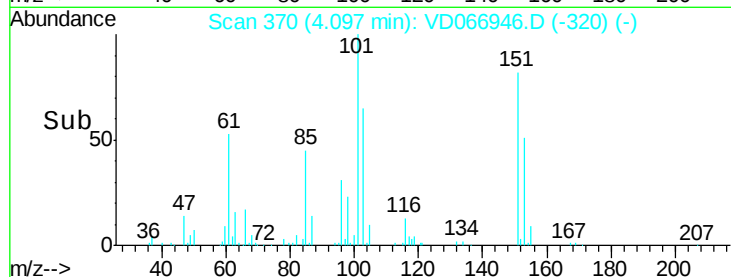
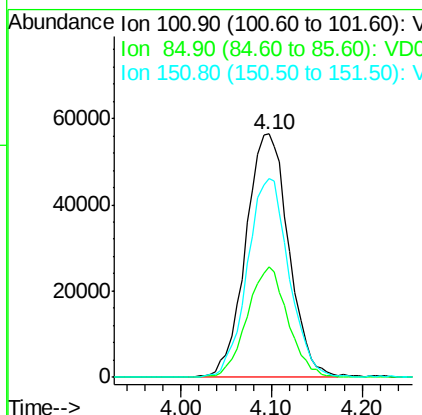
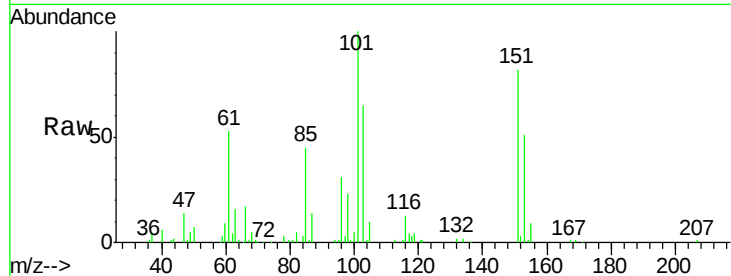
ClientSampleId :

B-11(1-2)MS

Tot Ion:	101	Resp:	185900
Ion Ratio	Lower	Upper	
101	100		
85	43.1	35.4	53.2
151	79.5	61.4	92.0

Manual Integrations
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#10

Methyl Iodide

Concen: 50.231 ug/l

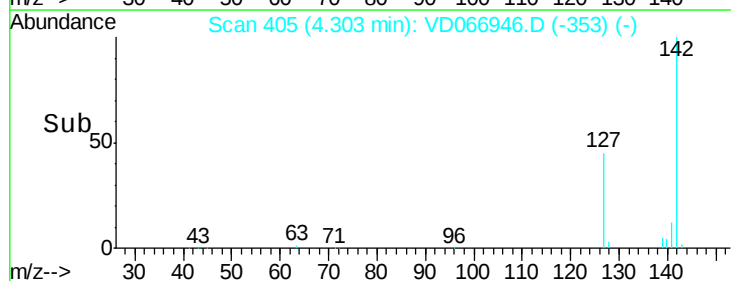
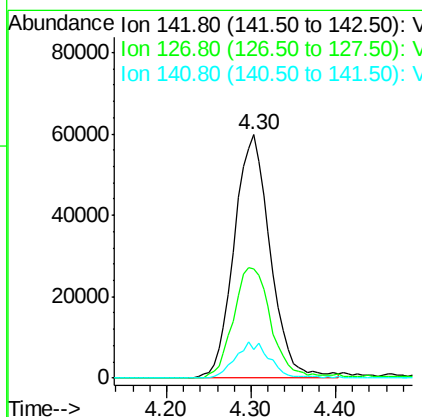
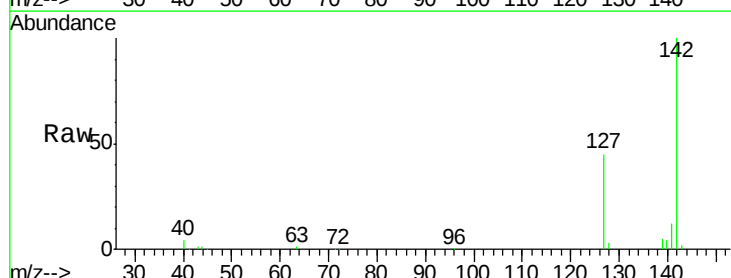
RT: 4.30 min Scan# 405

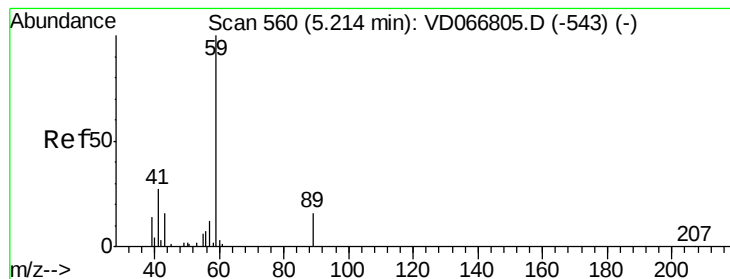
Delta R.T. 0.01 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Tgt Ion:	142	Resp:	177402
Ion Ratio	Lower	Upper	
142	100		
127	47.1	39.4	59.0
141	14.1	12.1	18.1





#11

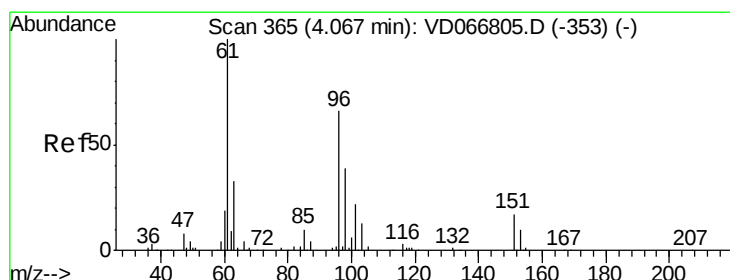
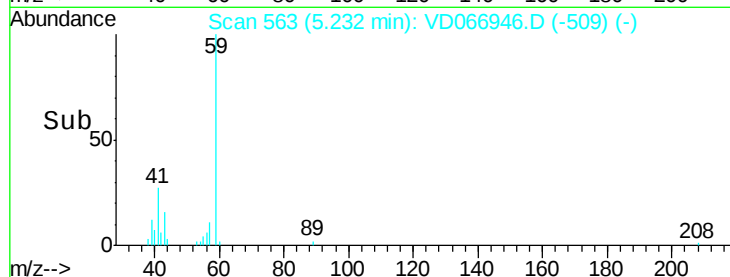
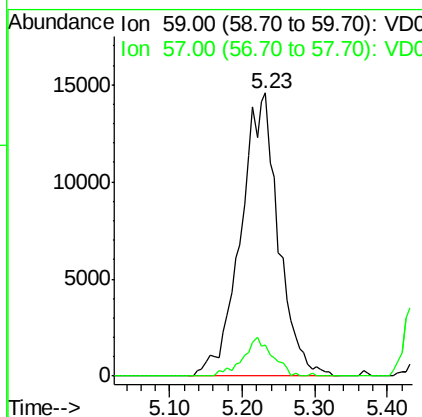
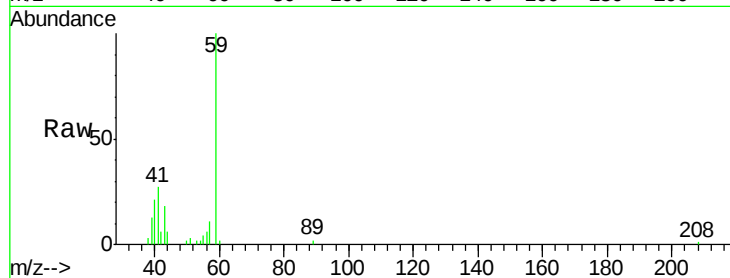
Tert butyl alcohol
 Concen: 238.279 ug/l
 RT: 5.23 min Scan# 563
 Delta R.T. 0.02 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

Manual Integrations
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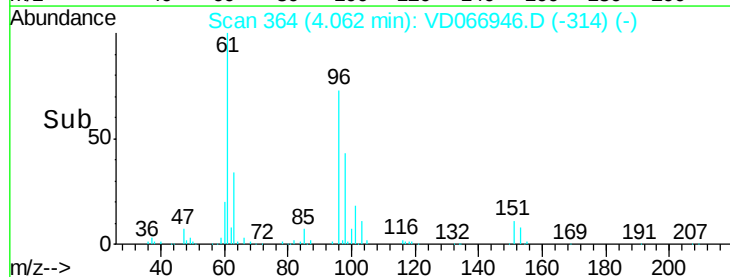
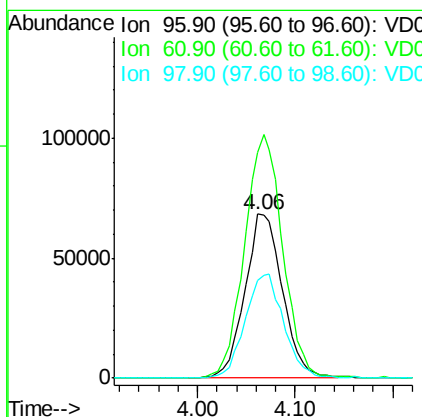
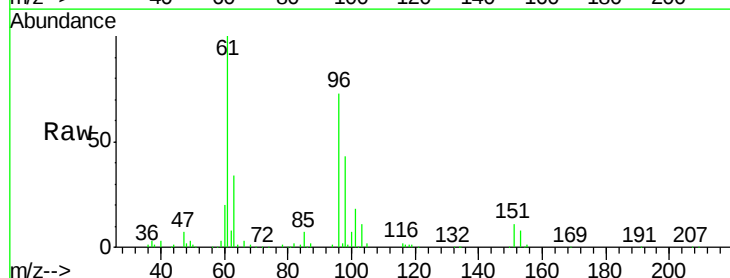
MMDadoda
 9/30/2020 1:22:02 PM

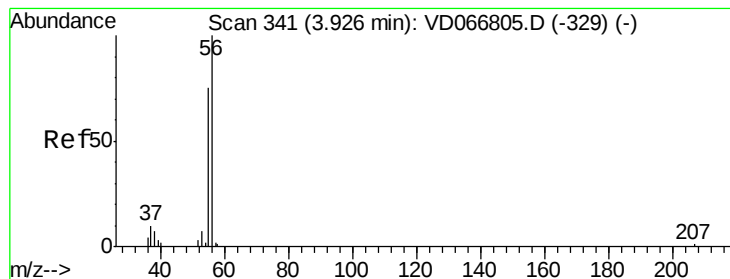


#12

1,1-Dichloroethene
 Concen: 50.613 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.4	120.8	181.2
98	59.4	47.7	71.5





#13

Acrolein

Concen: 242.308 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MS

Tot Ion: 56 Resp: 64776

Ion Ratio Lower Upper

56 100

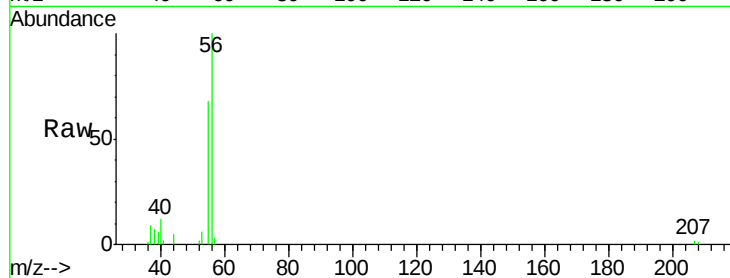
55 68.8 60.3 90.5

Manual Integrations

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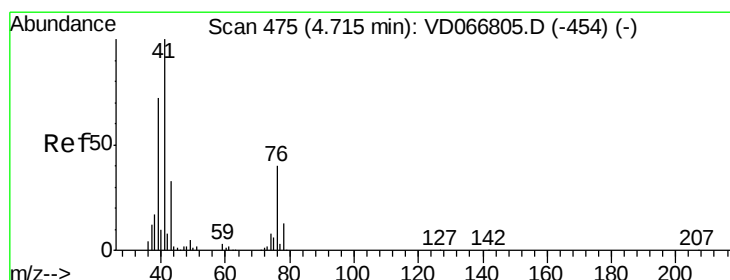
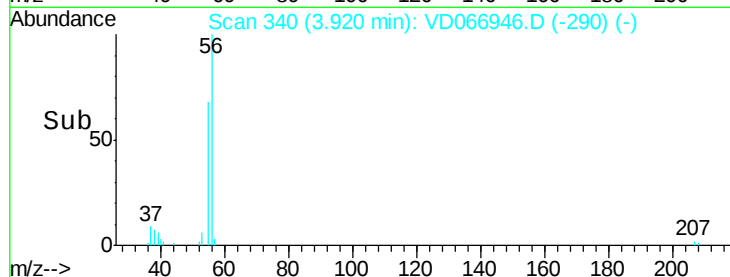
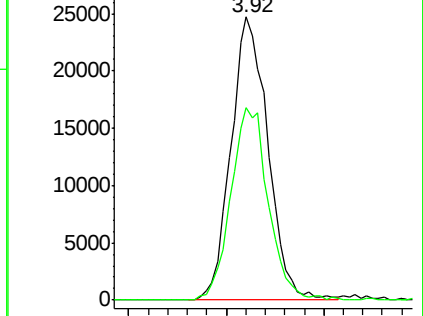
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.875 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

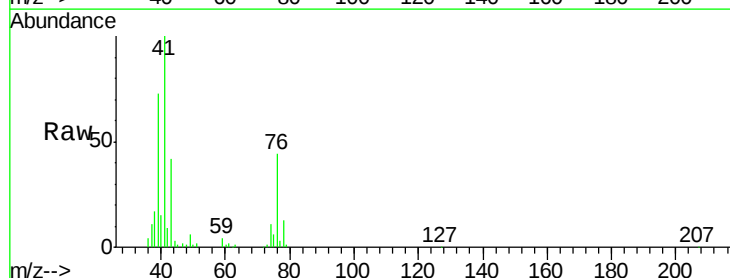
Tgt Ion: 41 Resp: 270848

Ion Ratio Lower Upper

41 100

39 71.2 57.8 86.8

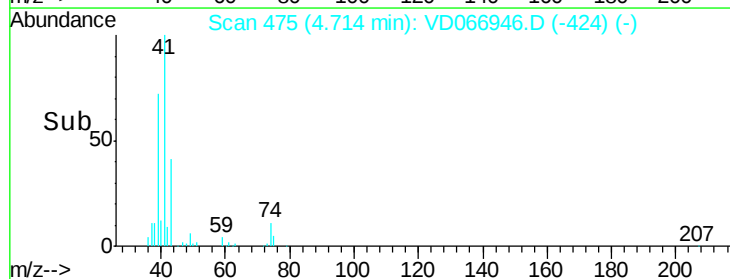
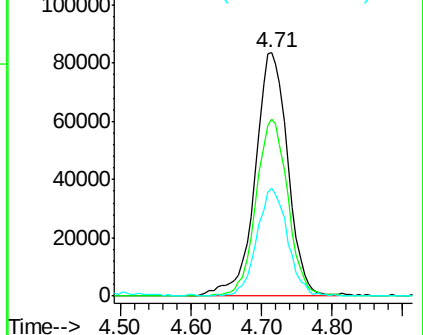
76 40.9 30.9 46.3

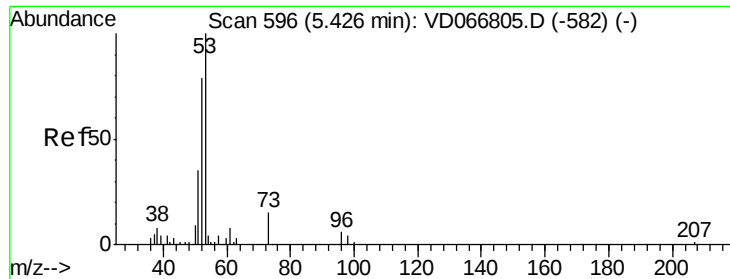


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 251.047 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

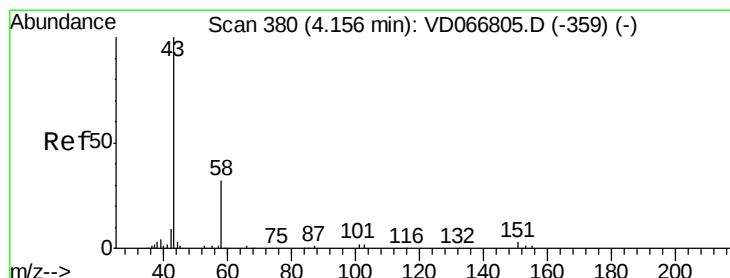
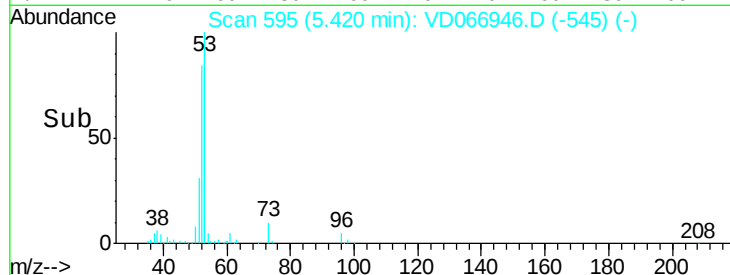
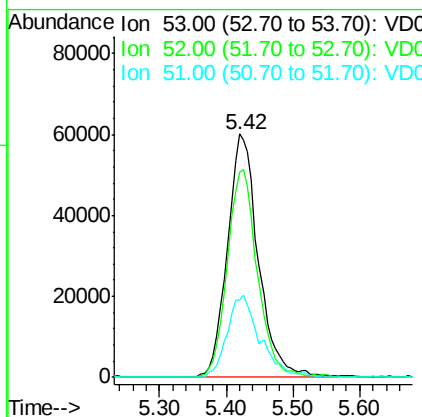
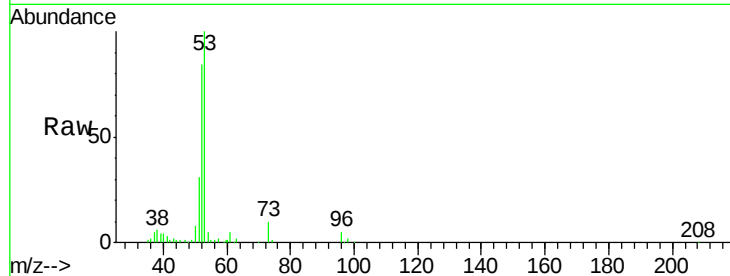
ClientSampleId :

B-11(1-2)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		194945		
52	83.2	65.2	97.8		
51	35.4	30.6	46.0		

Manual Integrations
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#16

Acetone

Concen: 196.836 ug/l

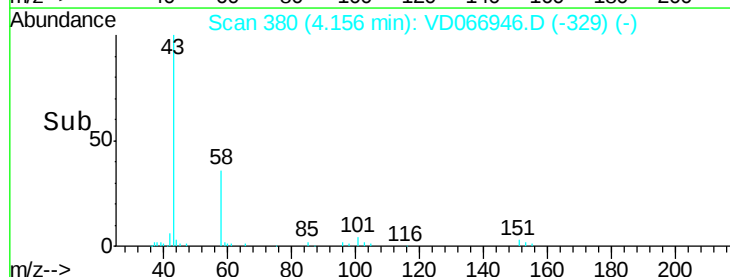
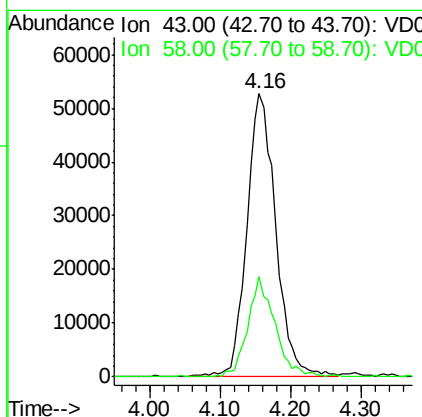
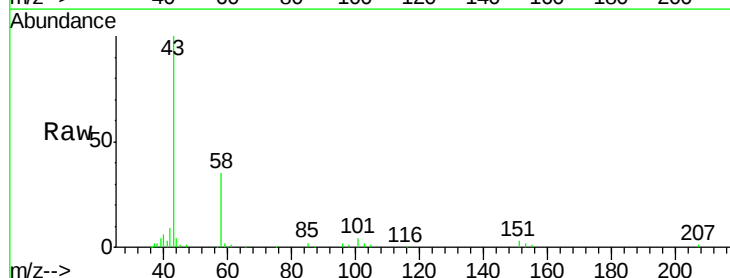
RT: 4.16 min Scan# 380

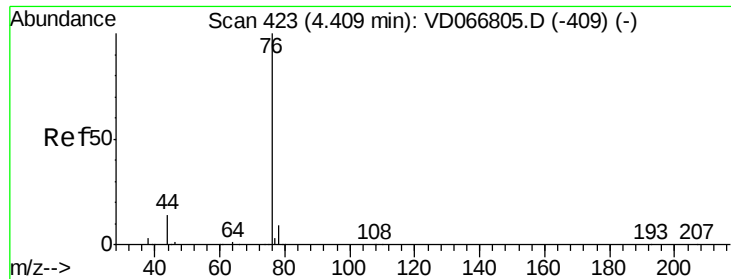
Delta R.T. -0.00 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		151316		
58	35.4	25.6	38.4		





#17

Carbon Disulfide

Concen: 46.629 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MS

Tot Ion: 76 Resp: 516848

Ion Ratio Lower Upper

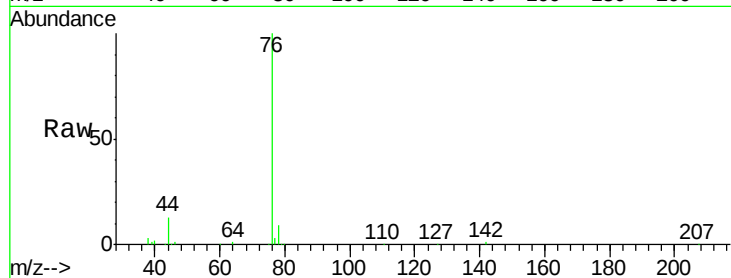
76 100

78 8.6 7.6 11.4

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

200000

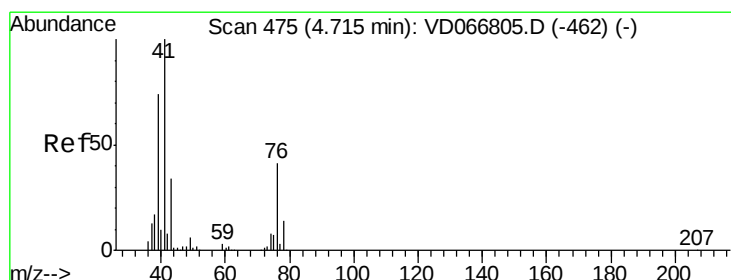
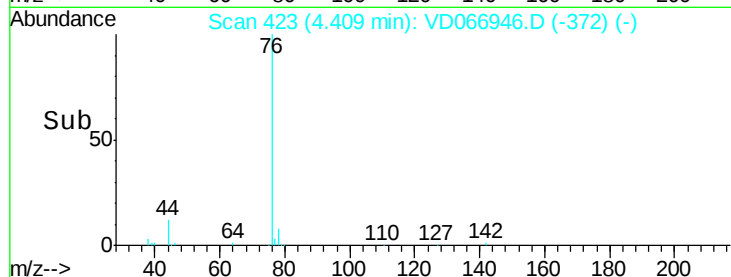
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 66.417 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066946.D

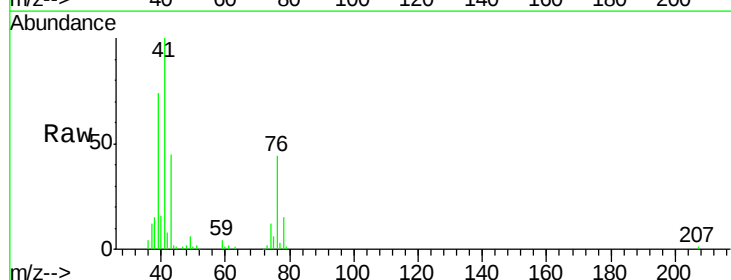
Acq: 29 Sep 2020 18:37

Tgt Ion: 43 Resp: 111878

Ion Ratio Lower Upper

43 100

74 26.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

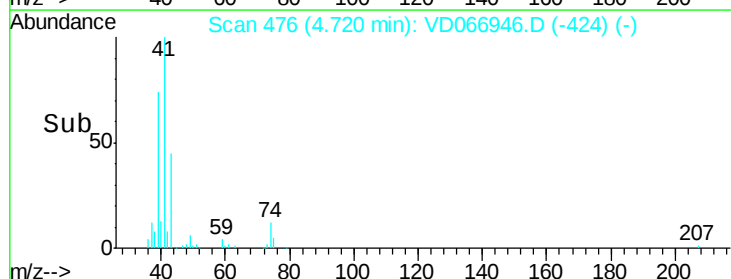
30000

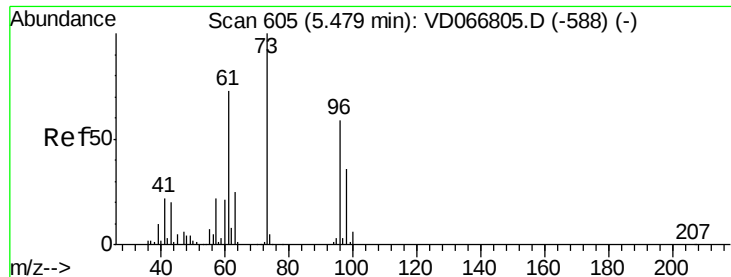
20000

10000

0

Time-->





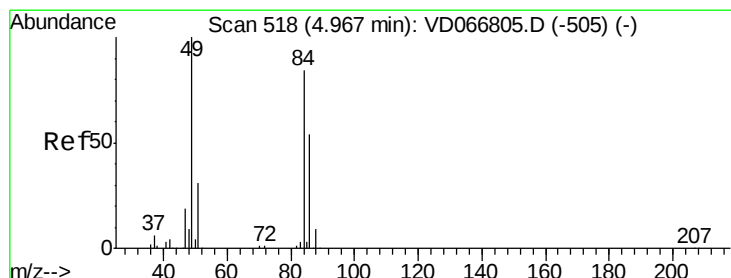
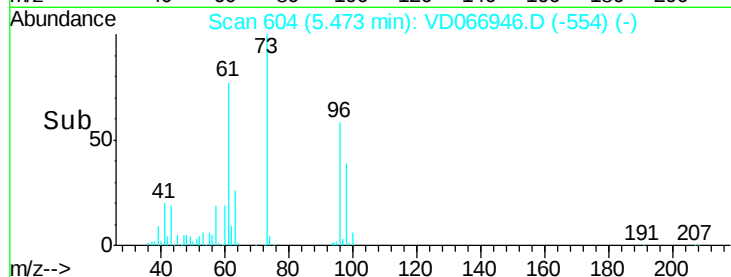
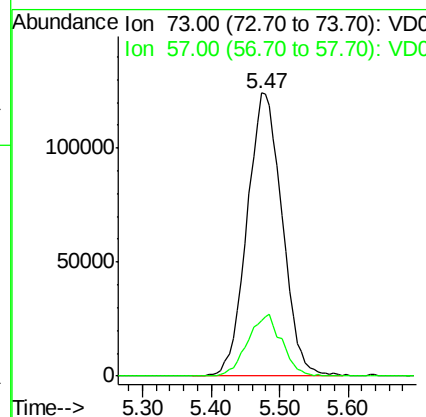
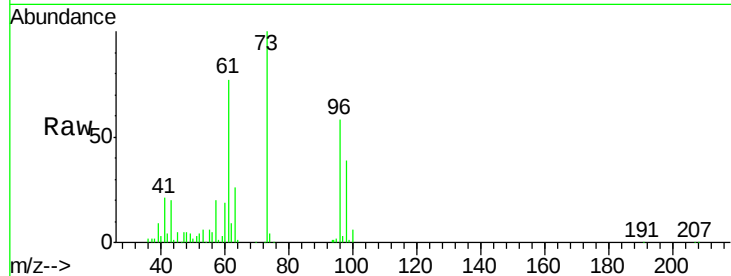
#19
Methvl tert-butvl Ether
Concen: 56.014 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

Tot Ion: 73 Resp: 441027
Ion Ratio Lower Upper
73 100
57 19.6 17.4 26.2

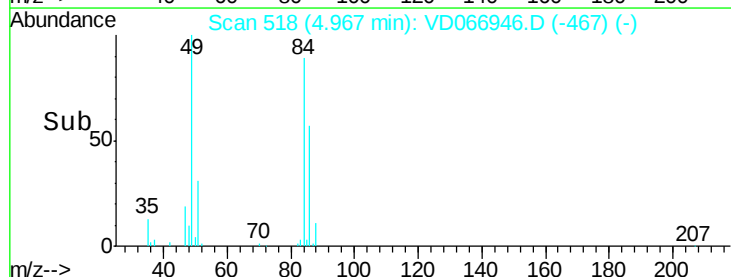
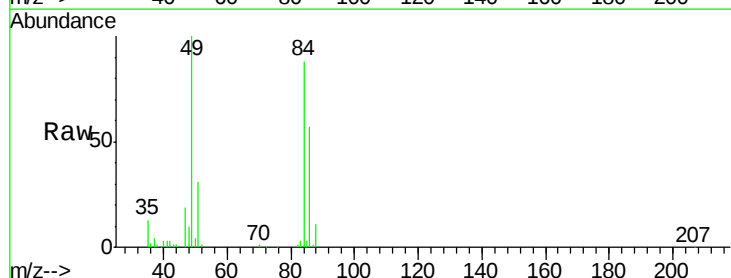
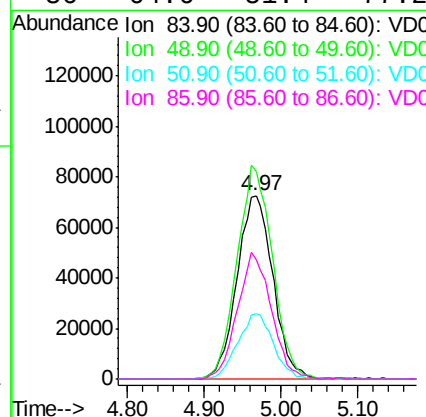
Manual Integrations
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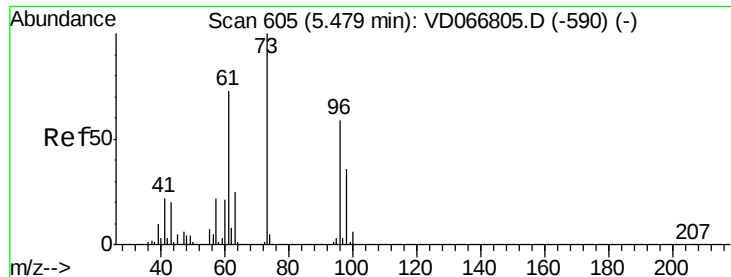
MMDadoda
9/30/2020 1:22:02 PM



#20
Methylene Chloride
Concen: 57.923 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion: 84 Resp: 236488
Ion Ratio Lower Upper
84 100
49 113.2 95.4 143.2
51 35.4 29.7 44.5
86 64.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 53.322 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

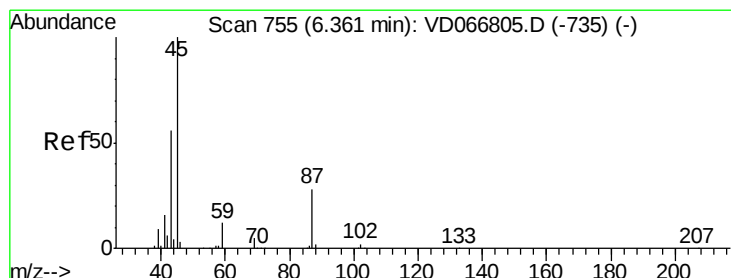
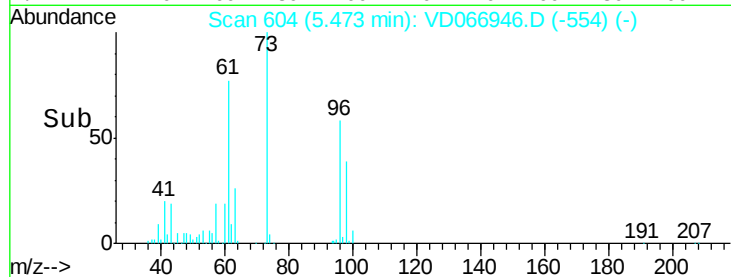
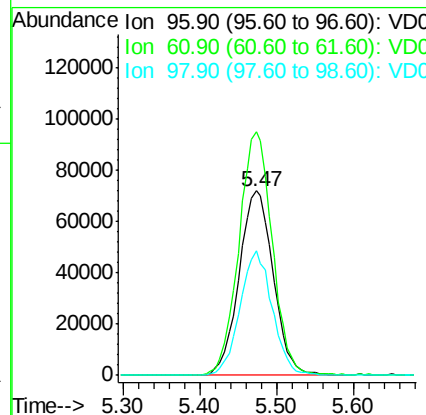
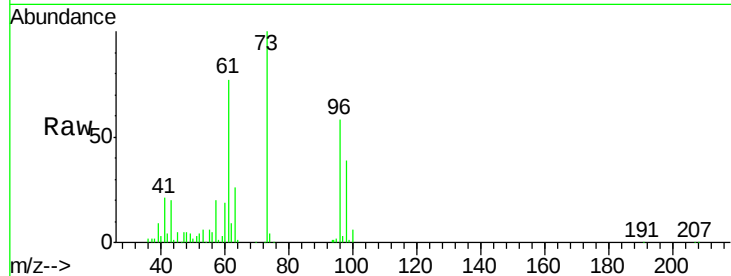
ClientSampleId :

B-11(1-2)MS

Tot Ion:	96	Resp:	223844
Ion	Ratio	Lower	Upper
96	100		
61	131.9	98.9	148.3
98	67.6	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.080 ug/l

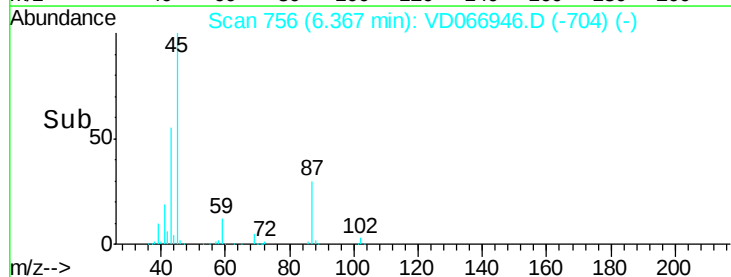
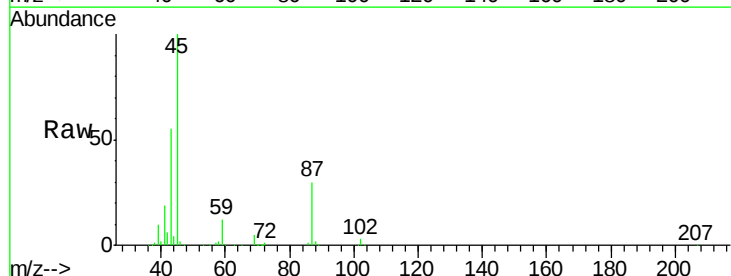
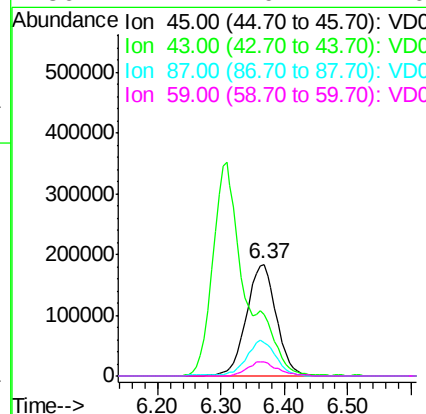
RT: 6.37 min Scan# 756

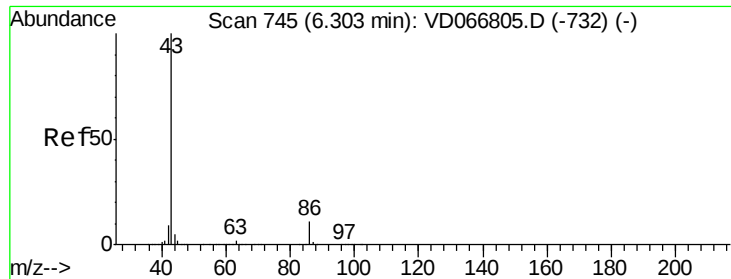
Delta R.T. 0.01 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Tgt Ion:	45	Resp:	602916
Ion	Ratio	Lower	Upper
45	100		
43	54.4	44.5	66.7
87	29.3	22.9	34.3
59	12.2	9.4	14.0





#23

Vinyl Acetate

Concen: 215.112 ug/l m

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MS

Tot Ion: 43 Resp: 1276177

Ion Ratio Lower Upper

43 100

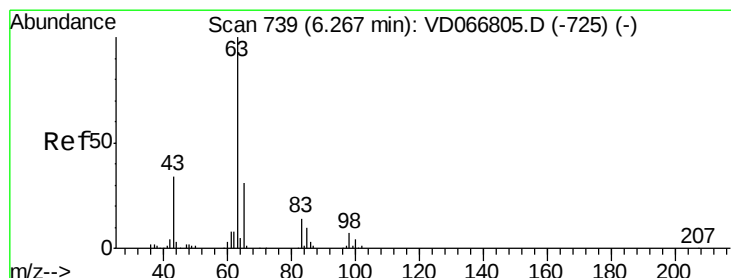
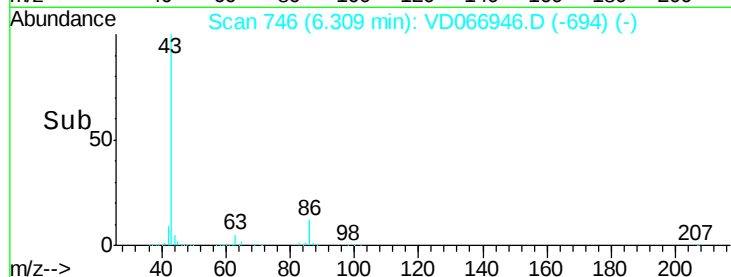
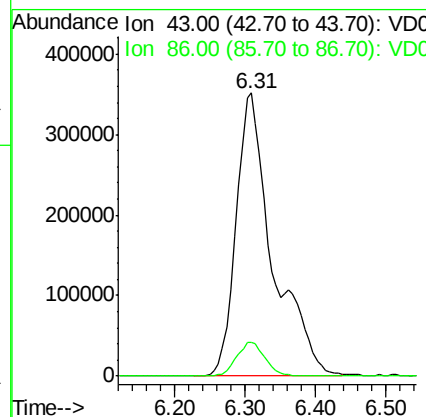
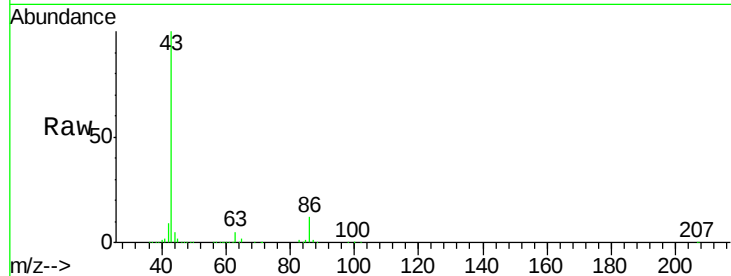
86 12.0 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.427 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

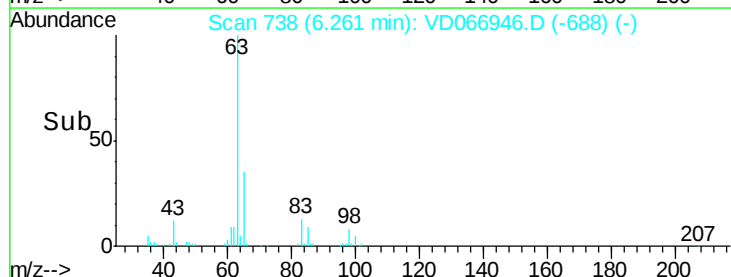
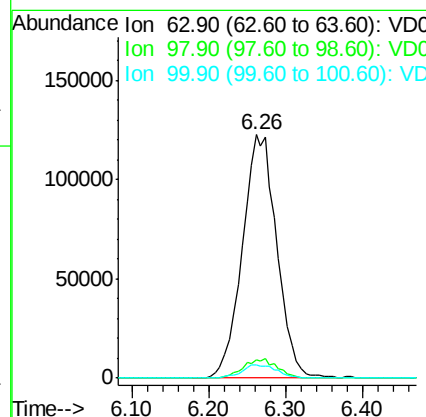
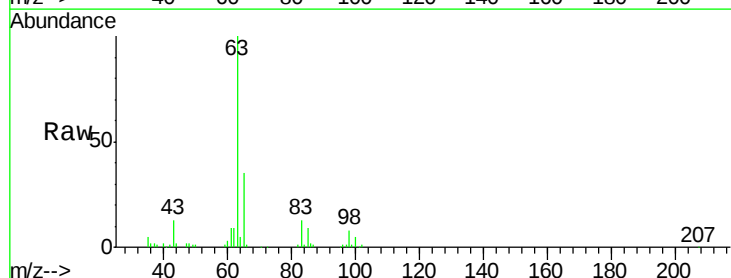
Tgt Ion: 63 Resp: 383915

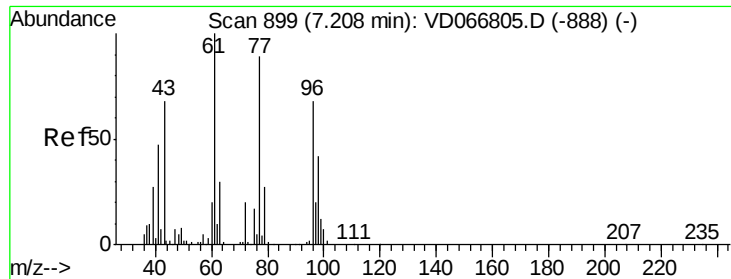
Ion Ratio Lower Upper

63 100

98 7.5 3.7 11.1

100 5.4 1.8 5.5





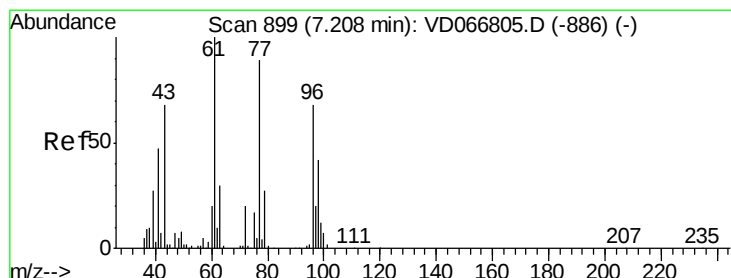
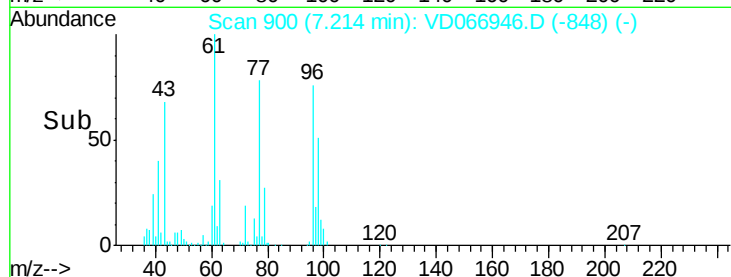
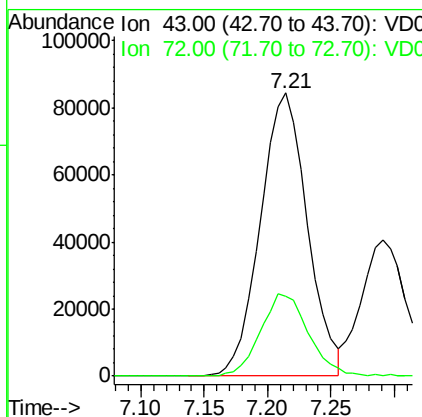
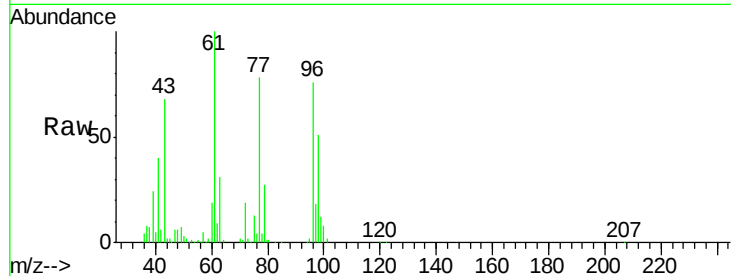
#25
2-Butanone
Concen: 236.146 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

Tot Ion	Ratio	Lower	Upper
43	100		
72	28.3	22.9	34.3

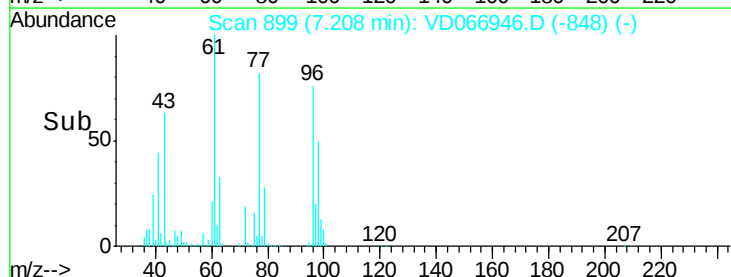
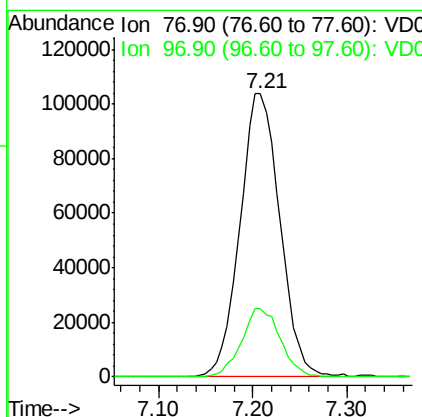
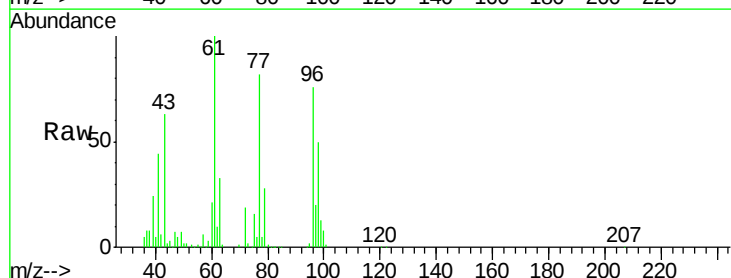
Manual Integrations
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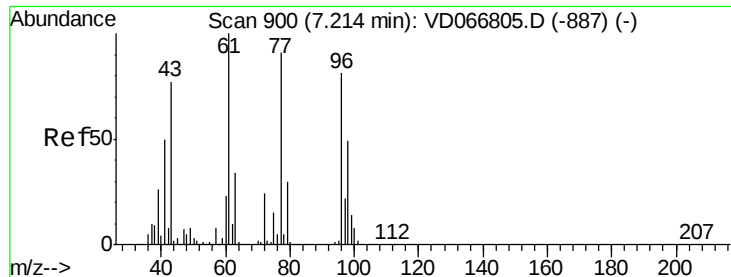
MMDadoda
9/30/2020 1:22:02 PM



#26
2,2-Dichloropropane
Concen: 45.513 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.7	35.1





#27

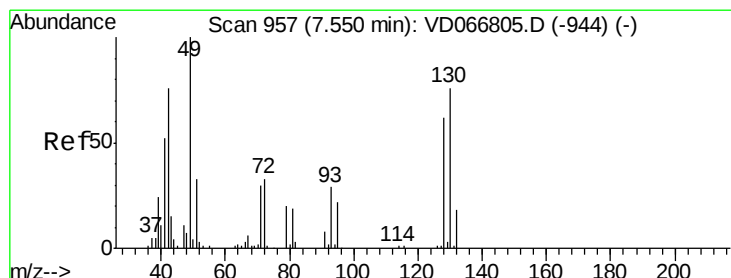
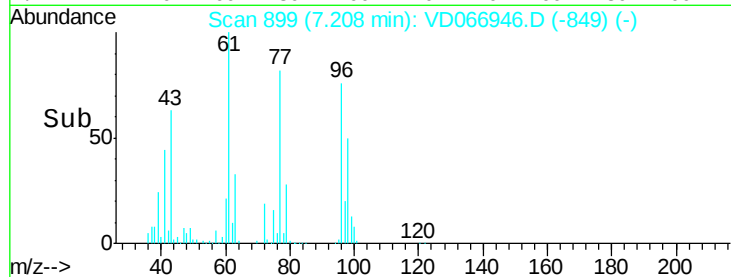
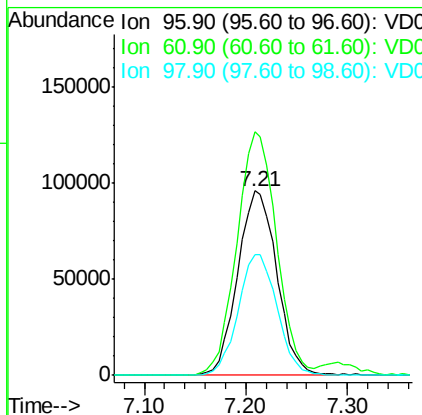
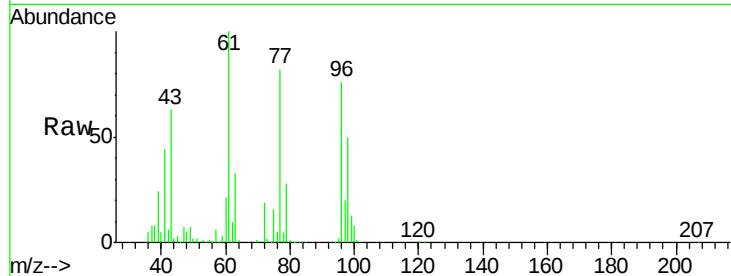
cis-1,2-Dichloroethene
 Concen: 56.351 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	257029		
61	134.0		0.0	283.8
98	65.4		0.0	128.4

Manual Integrations
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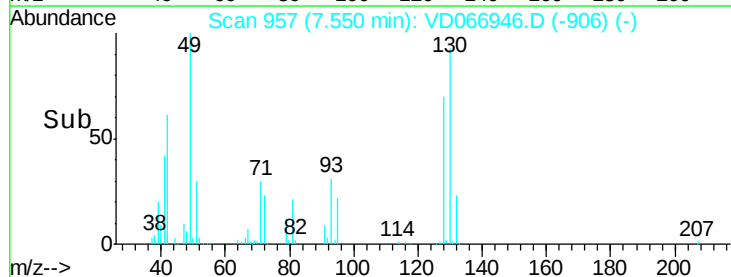
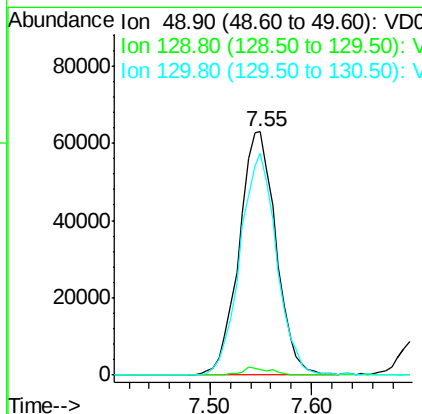
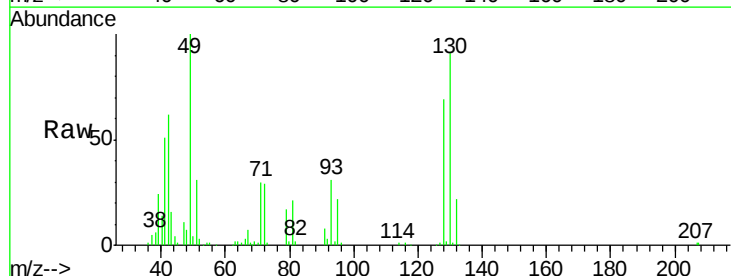
MMDadoda
 9/30/2020 1:22:02 PM

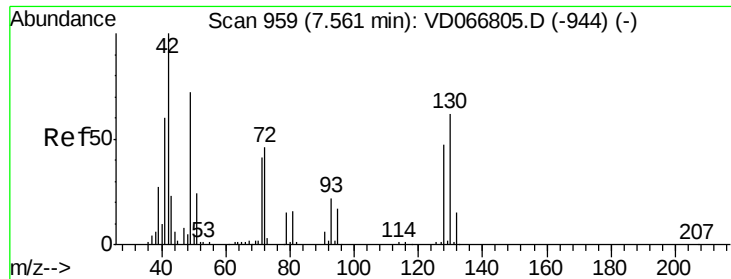


#28

Bromochloromethane
 Concen: 52.482 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158771		
129	2.4		0.0	2.0#
130	90.1		65.9	98.9





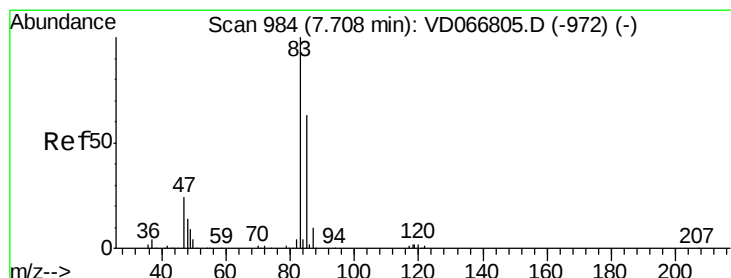
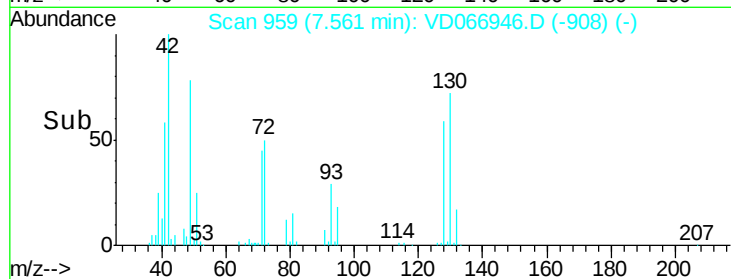
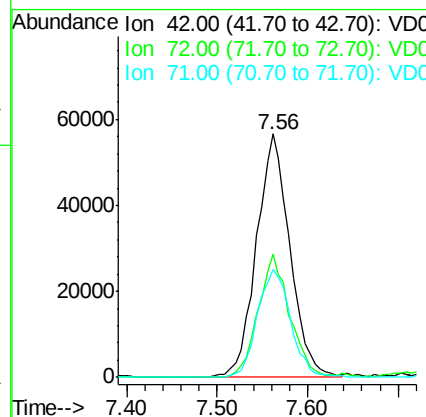
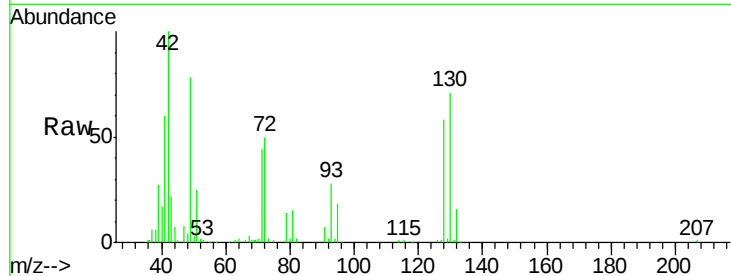
#29
Tetrahydrofuran
Concen: 245.262 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

Tot Ion	Ratio	Resp	Lower	Upper
42	100	145180		
72	47.6	36.2	54.4	
71	44.1	32.4	48.6	

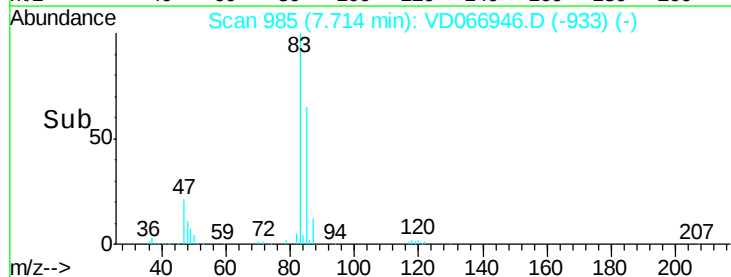
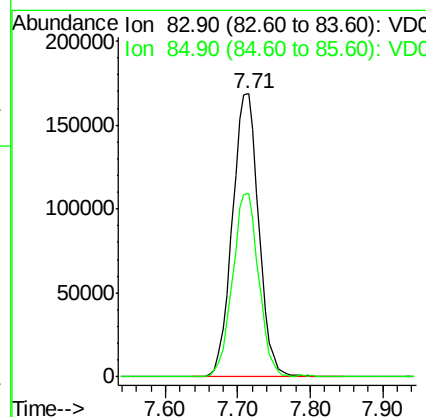
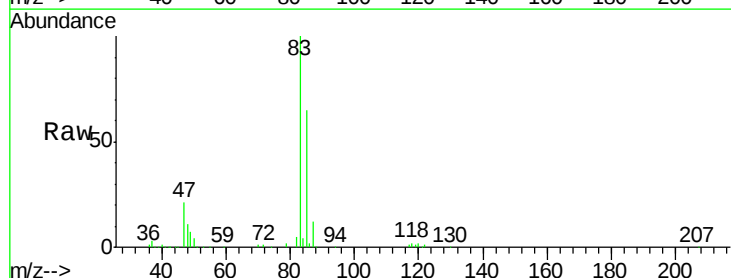
Manual Integrations
APPROVED

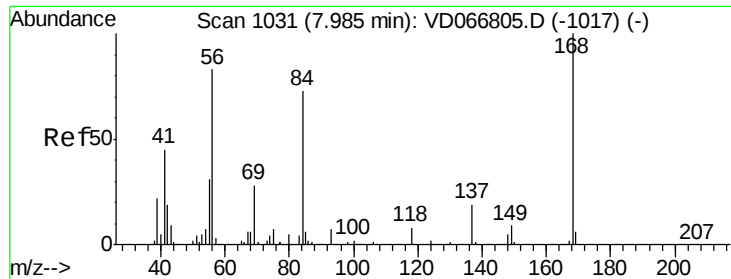
MMDadoda
9/30/2020 1:22:02 PM



#30
Chloroform
Concen: 54.069 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	426800		
85	64.9	50.6	75.8	





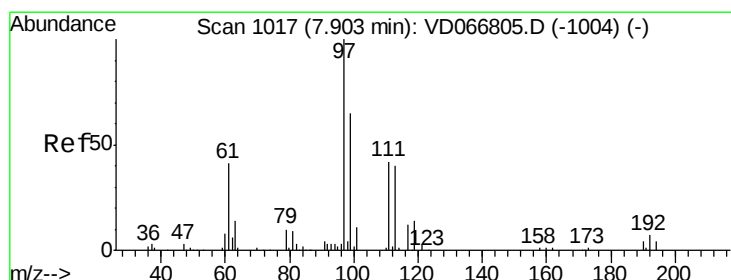
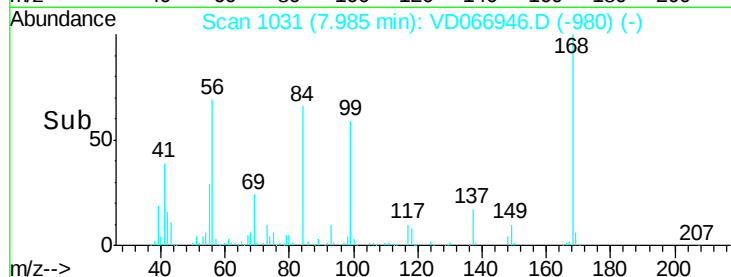
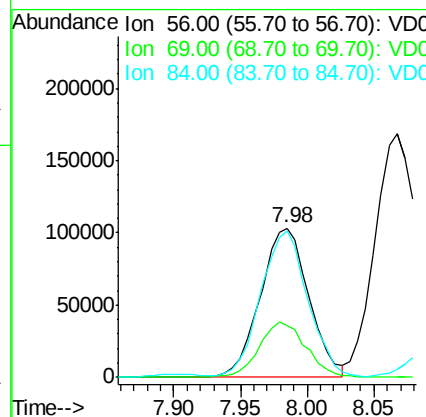
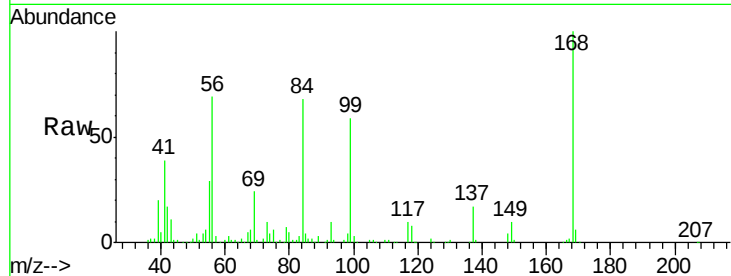
#31
Cyclohexane
Concen: 39.517 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

Tot Ion	56	Ratio	Lower	Upper
56	100			
69	34.8	27.0	40.4	
84	96.7	70.2	105.4	

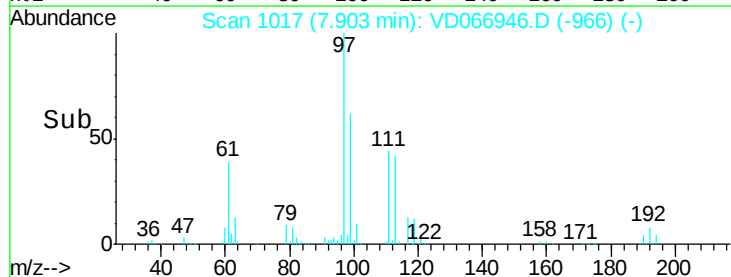
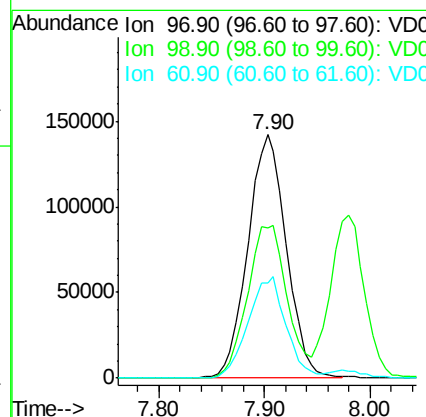
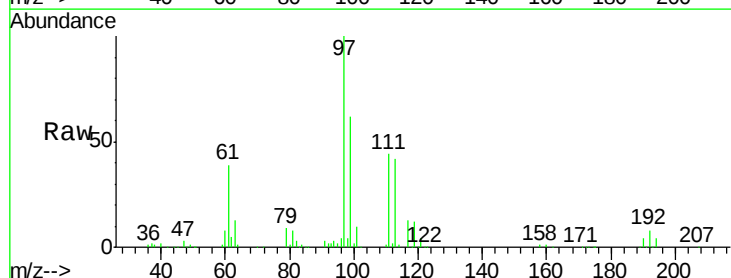
Manual Integrations
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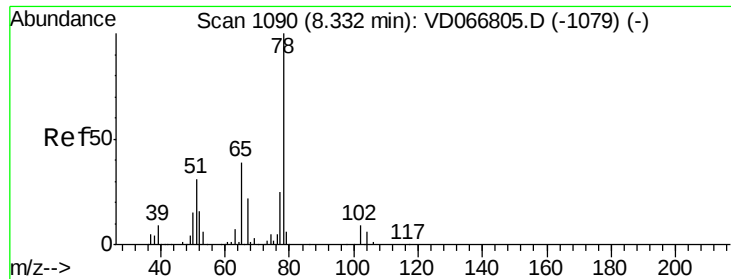
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.377 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	97	Ratio	Lower	Upper
97	100			
99	65.3	51.5	77.3	
61	41.1	34.2	51.4	





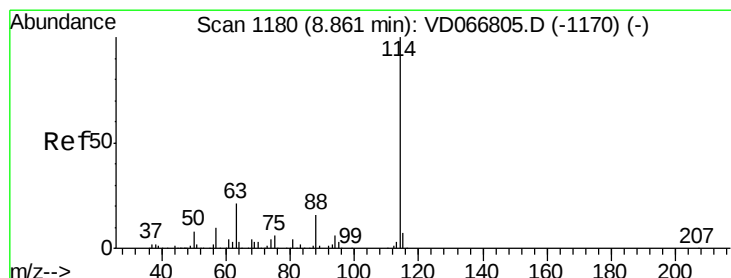
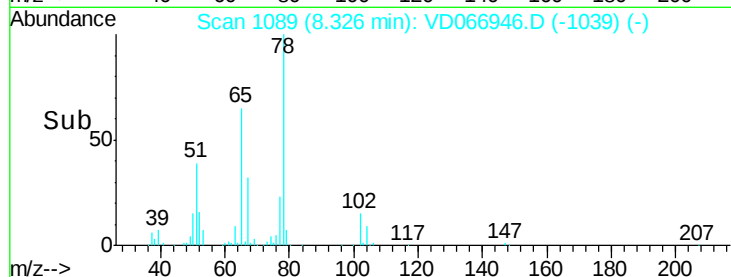
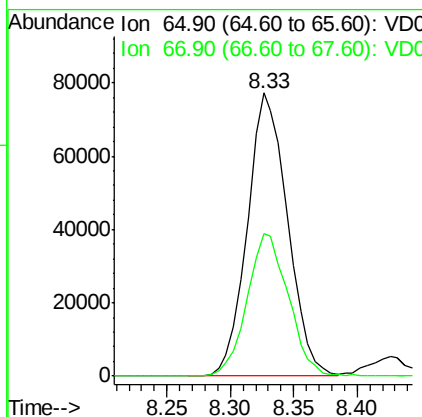
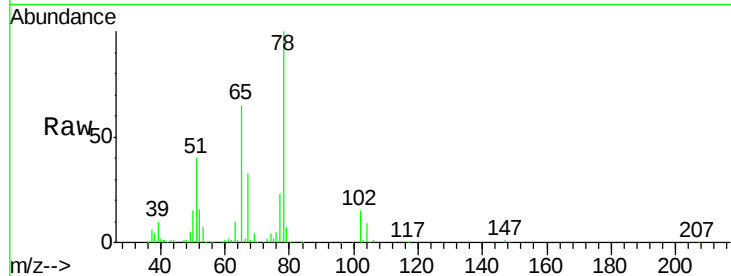
#33
 1,2-Dichloroethane-d4
 Concen: 47.047 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	170492		
67	51.8	0.0	107.2	

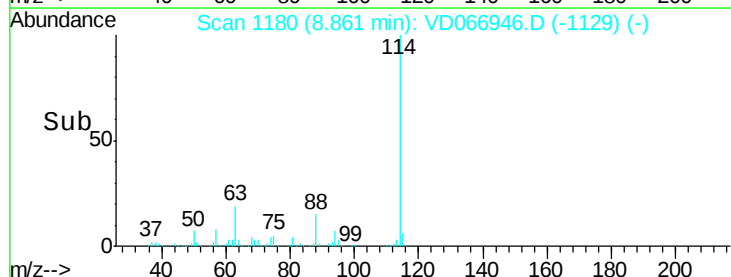
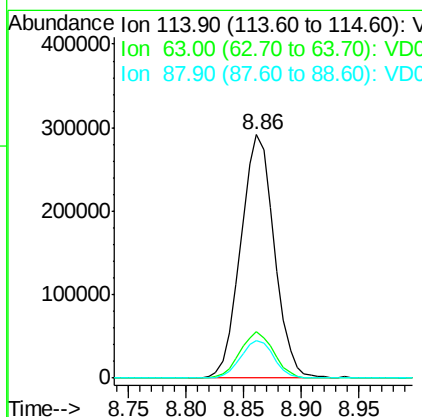
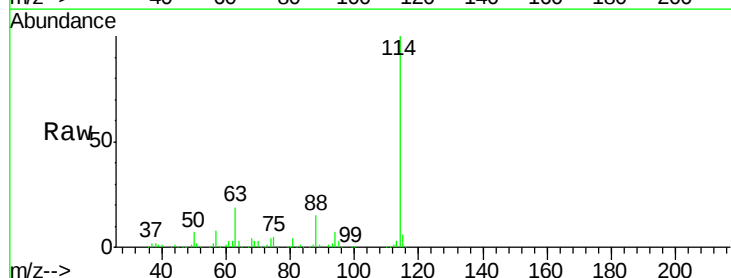
Manual Integrations
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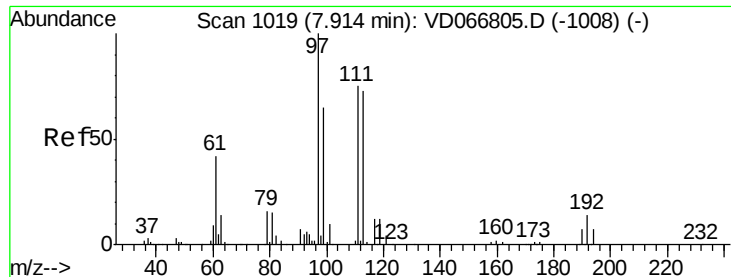
MMDadoda
 9/30/2020 1:22:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	589516		
63	19.0	0.0	42.6	
88	15.2	0.0	32.6	





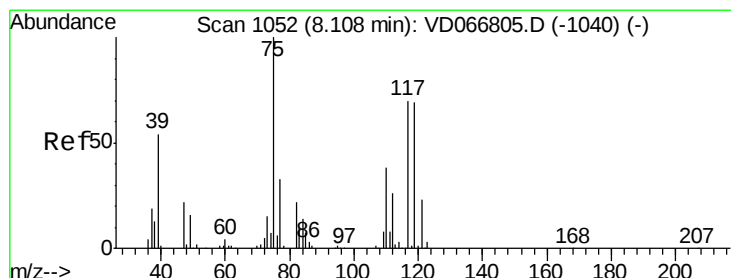
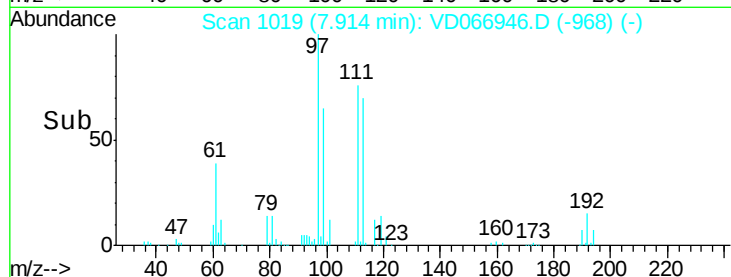
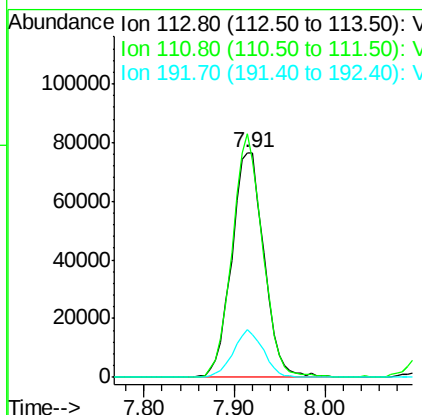
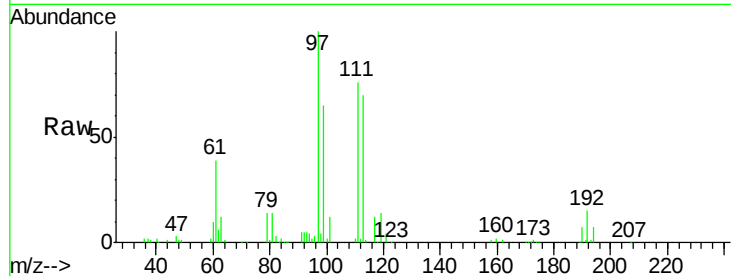
#35
Dibromofluoromethane
Concen: 50.720 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampled :
B-11(1-2)MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	190226		
111	101.8	81.8	122.8	
192	19.6	14.4	21.6	

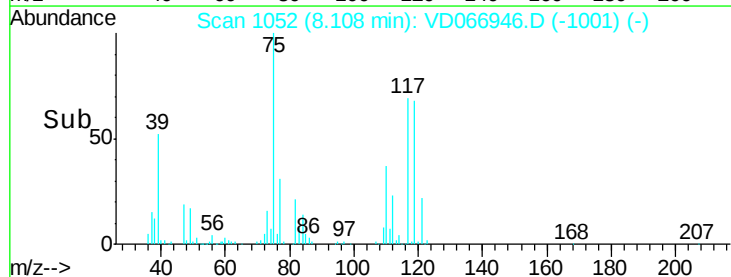
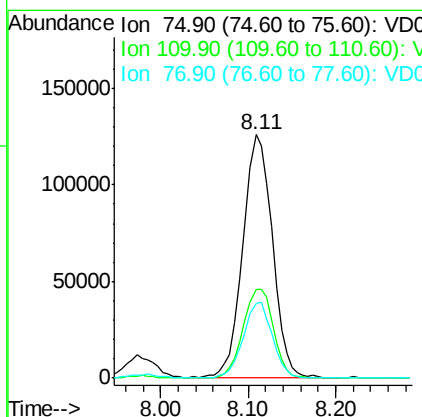
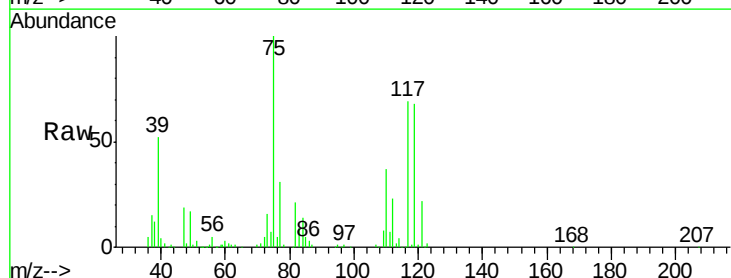
Manual Integrations
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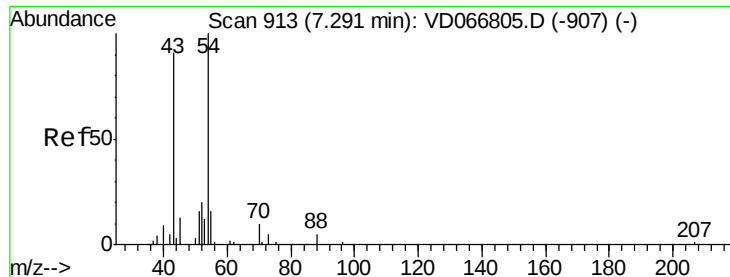
MMDadoda
9/30/2020 1:22:02 PM



#36
1,1-Dichloropropene
Concen: 49.205 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	287776		
110	37.6	17.9	53.8	
77	30.9	25.0	37.6	





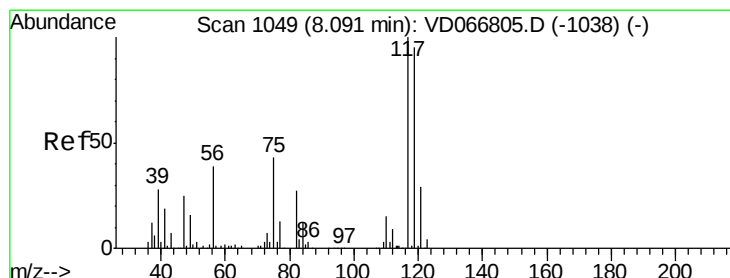
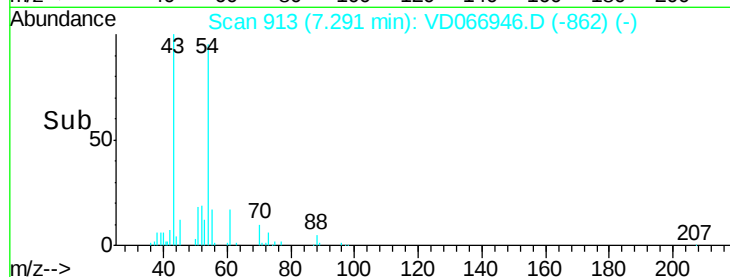
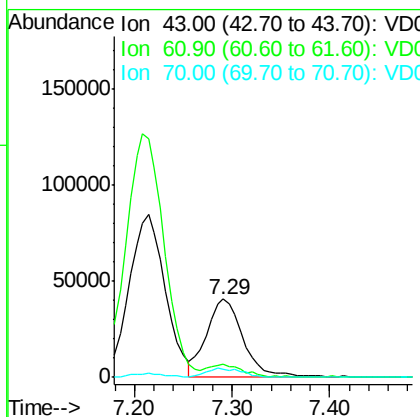
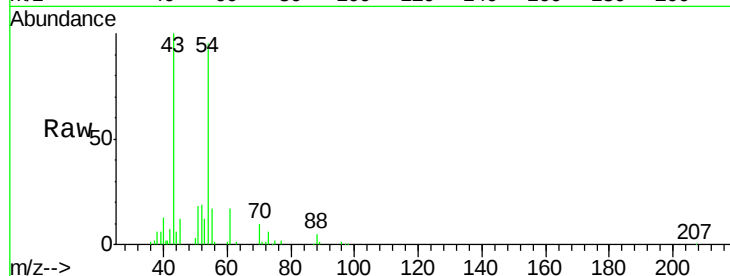
#37
Ethyl Acetate
Concen: 48.887 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	9.8	14.8#
70	11.7	8.5	12.7

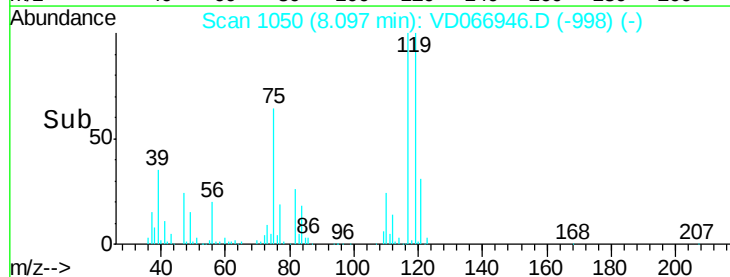
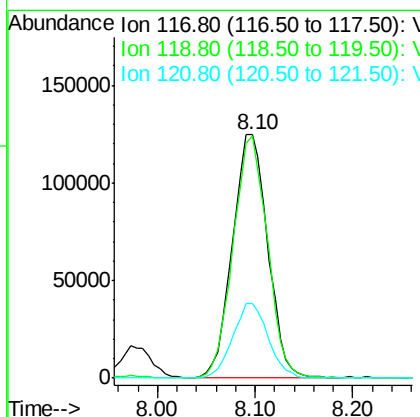
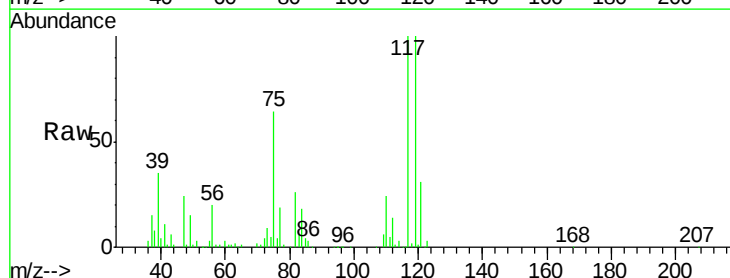
Manual Integrations
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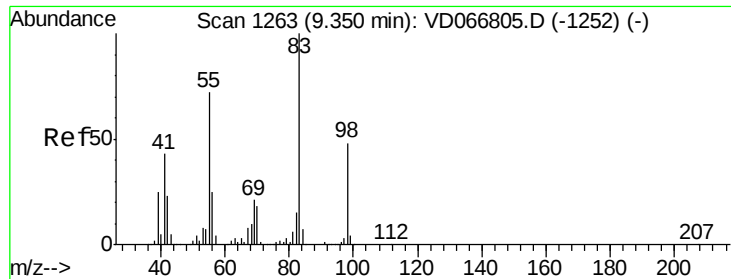
MMDadoda
9/30/2020 1:22:02 PM



#38
Carbon Tetrachloride
Concen: 48.860 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.9	75.8	113.8
121	30.7	23.4	35.0





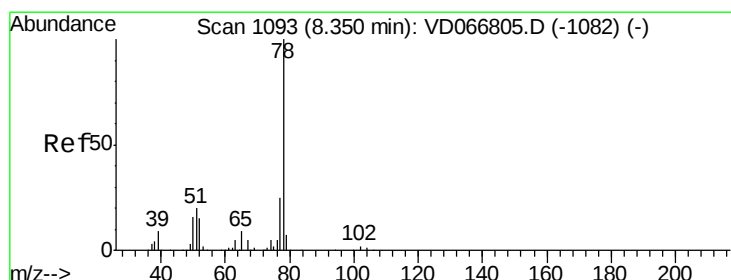
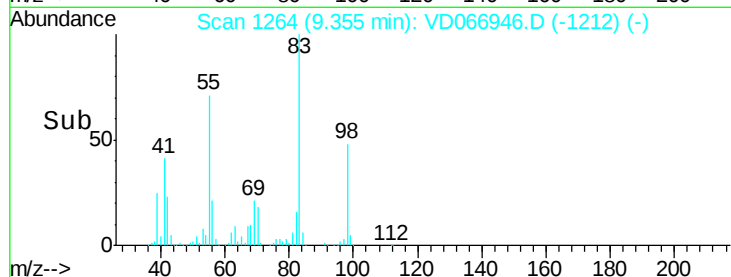
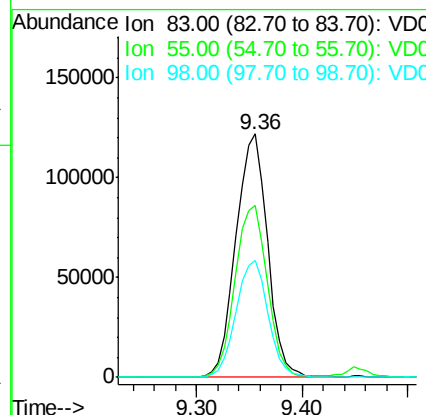
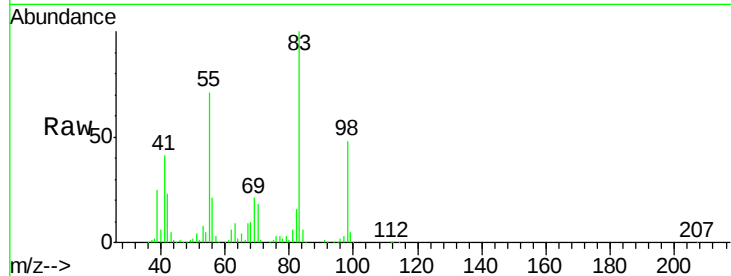
#39
Methvlcvclohexane
Concen: 37.775 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.5	57.7	86.5
98	48.2	38.4	57.6

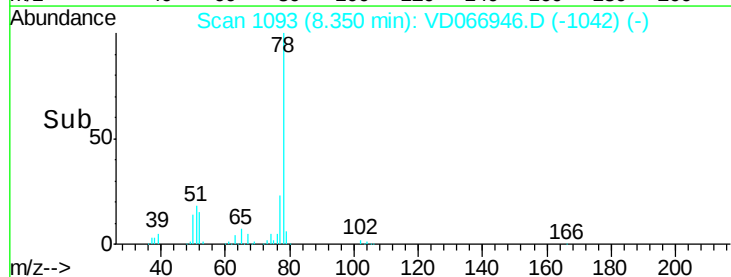
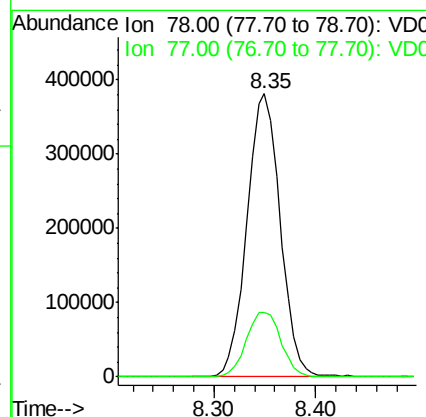
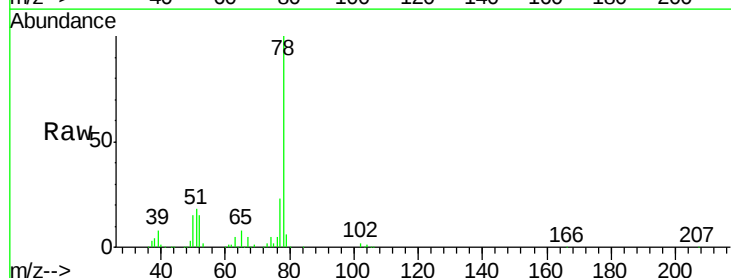
Manual Integrations
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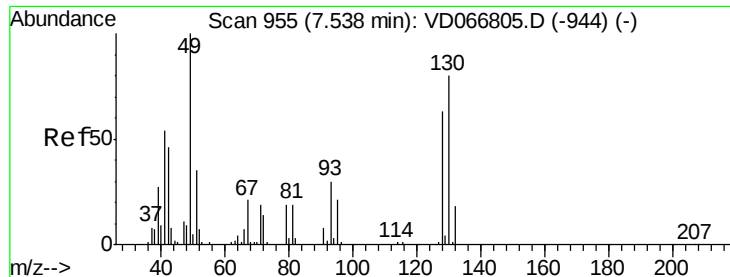
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#40
Benzene
Concen: 53.438 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.9	29.9





#41

Methacrylonitrile

Concen: 47.493 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MS

Tot Ion: 41 Resp: 61751

Ion Ratio Lower Upper

41 100

39 54.1 0.0 0.0#

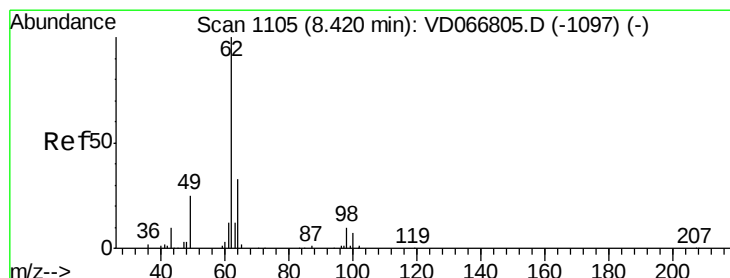
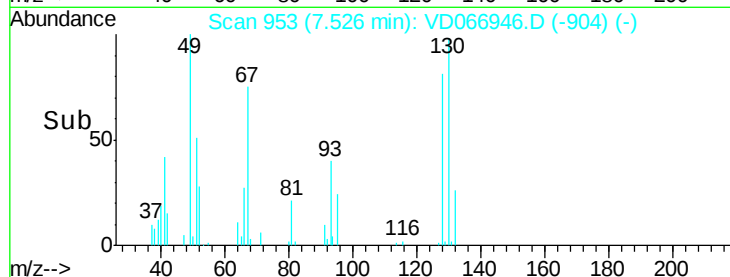
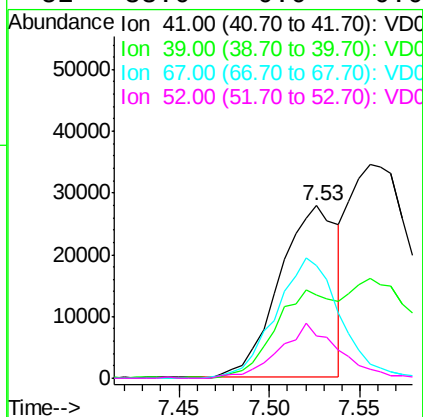
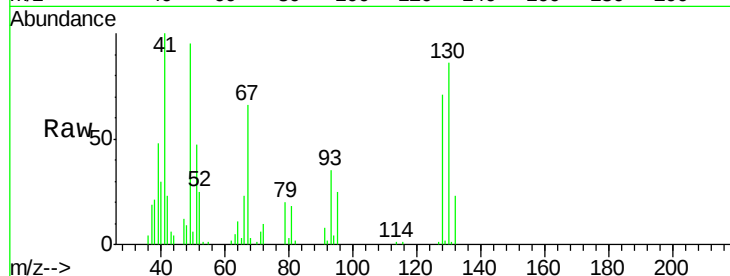
67 78.3 0.0 0.0#

52 33.0 0.0 0.0#

Manual Integrations
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9/30/2020 1:22:02 PM



#42

1,2-Dichloroethane

Concen: 51.803 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066946.D

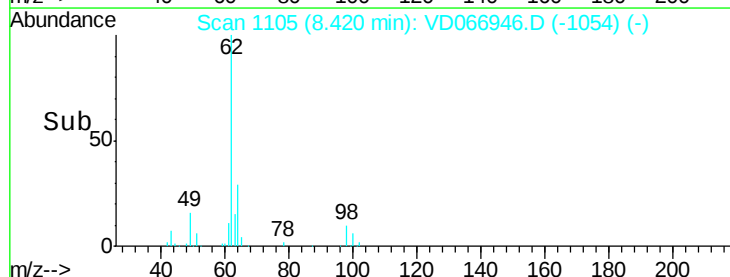
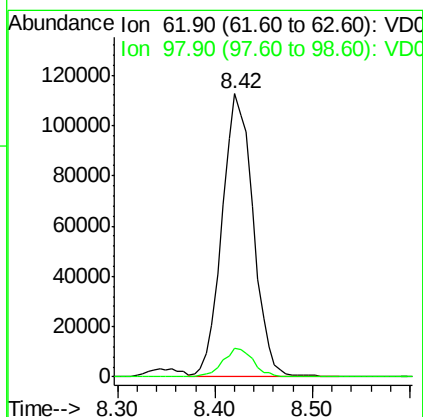
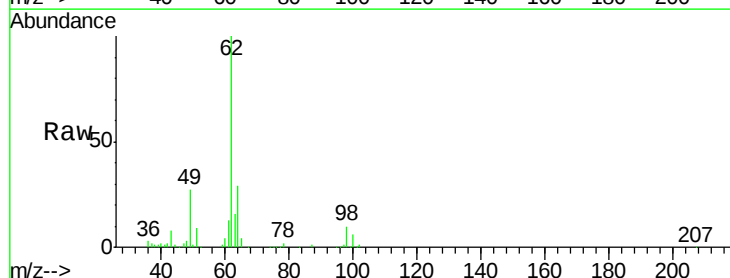
Acq: 29 Sep 2020 18:37

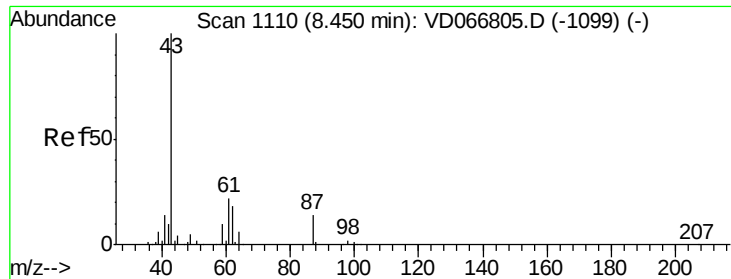
Tgt Ion: 62 Resp: 249618

Ion Ratio Lower Upper

62 100

98 9.9 0.0 19.8





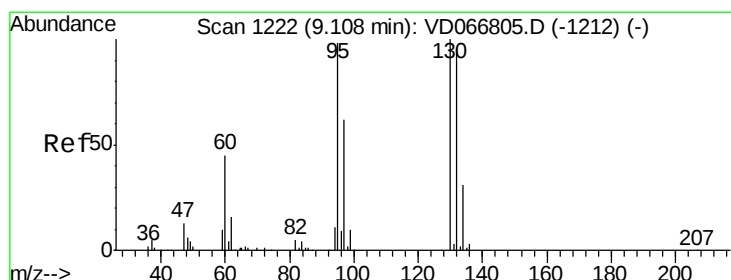
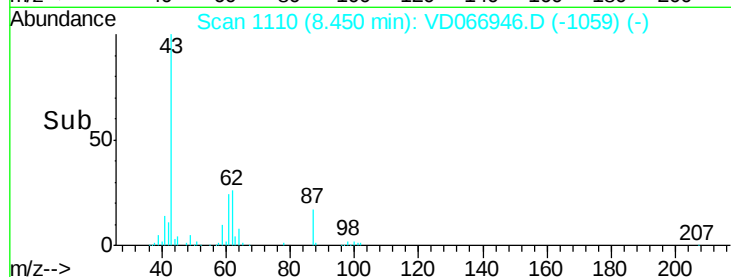
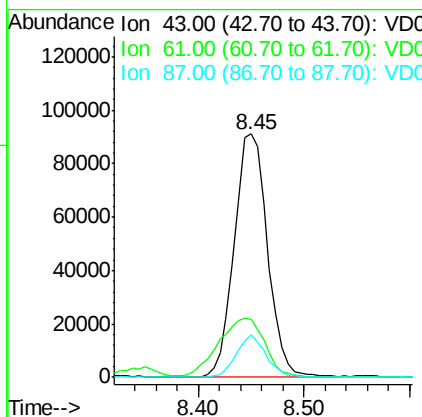
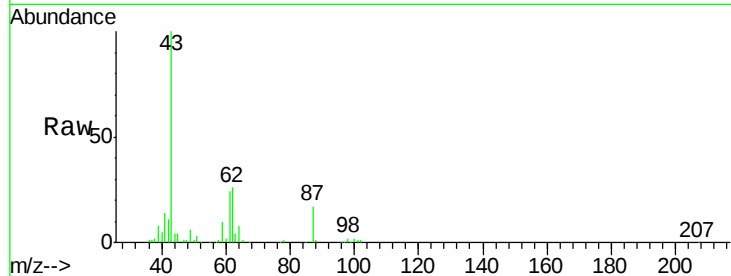
#43
Isopropyl Acetate
Concen: 48.849 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.0	26.2	39.4
87	15.5	11.5	17.3

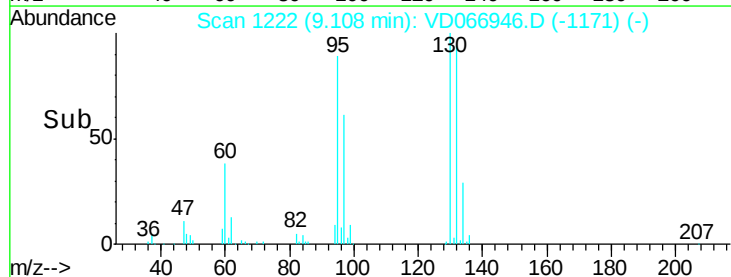
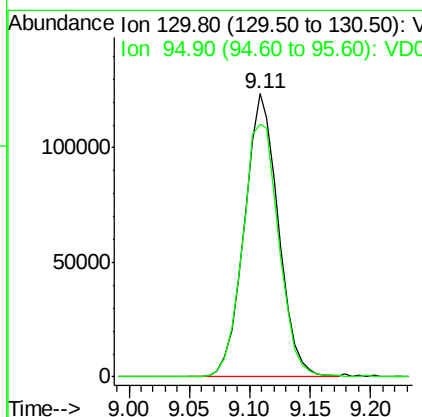
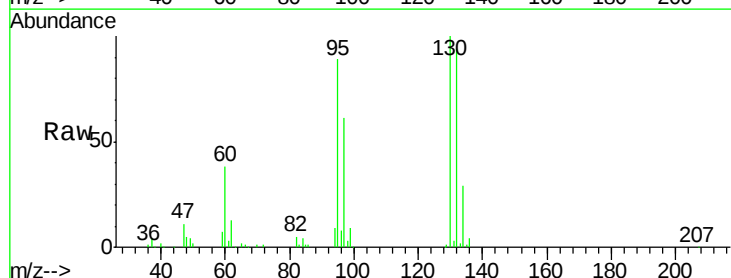
Manual Integrations
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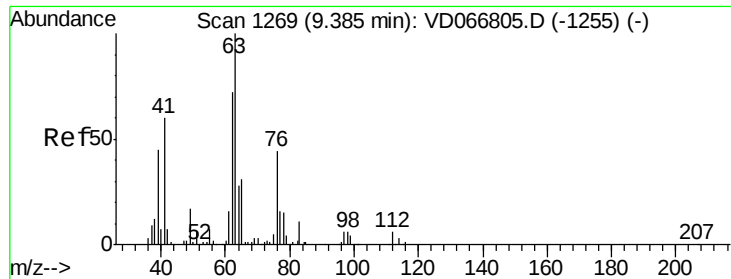
MMDadoda
9/30/2020 1:22:02 PM



#44
Trichloroethene
Concen: 52.225 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	197.0





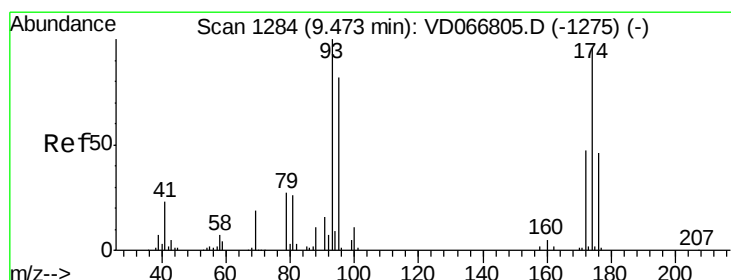
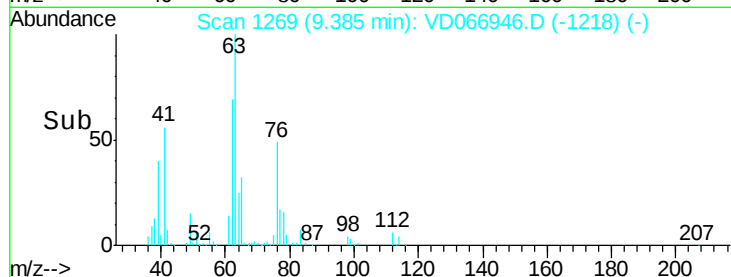
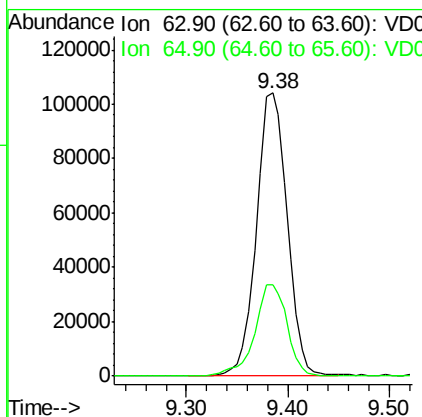
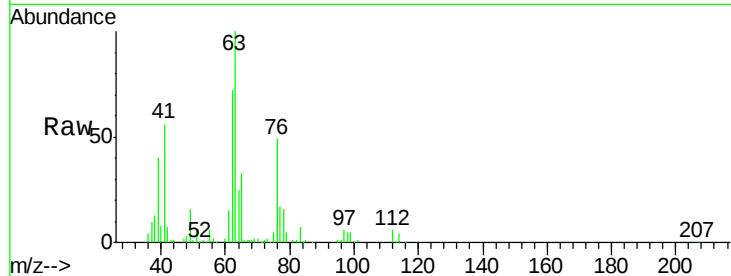
#45
 1,2-Dichloropropane
 Concen: 53.520 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.7	37.1

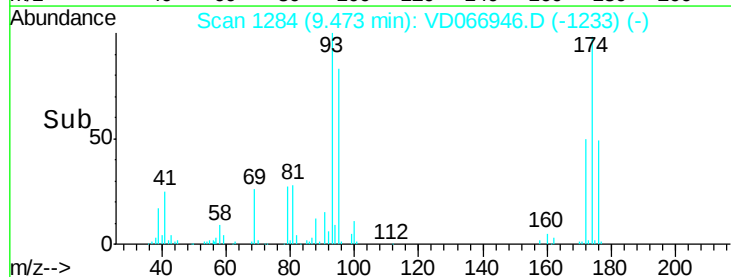
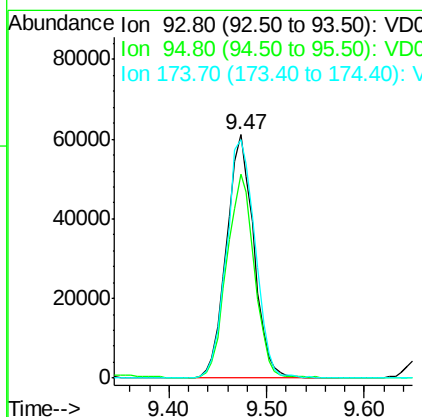
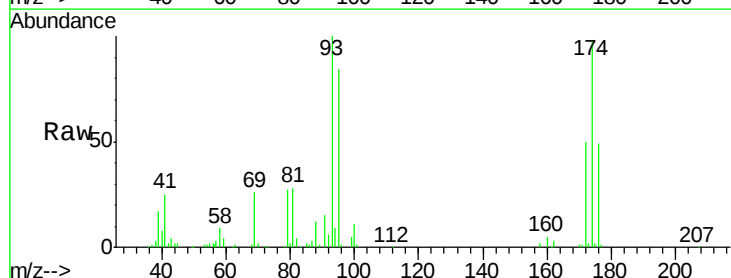
Manual Integrations
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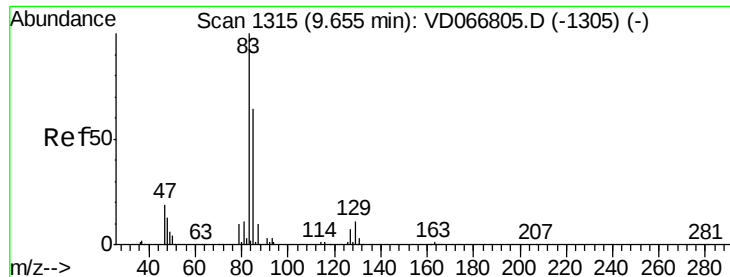
MMDadoda
 9/30/2020 1:22:02 PM



#46
 Dibromomethane
 Concen: 53.221 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.0	65.3	97.9
174	103.0	75.4	113.2





#47

Bromodichloromethane

Concen: 54.295 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

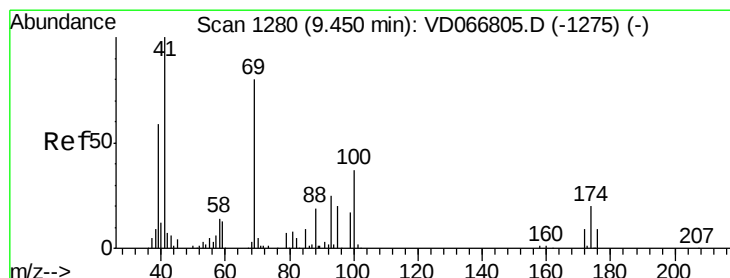
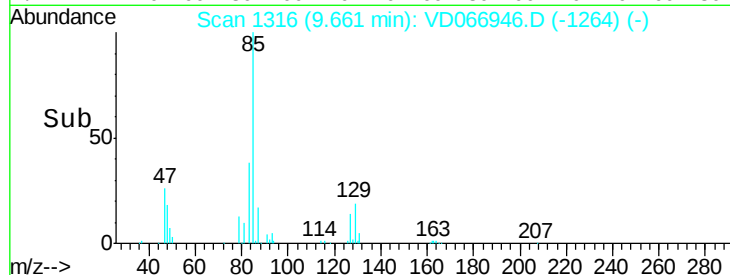
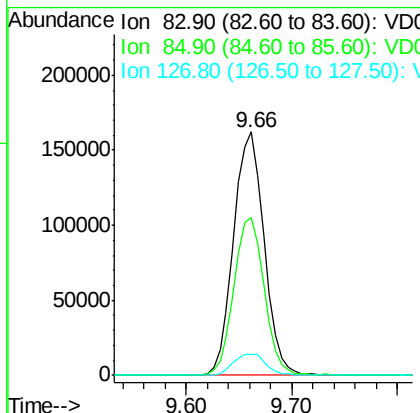
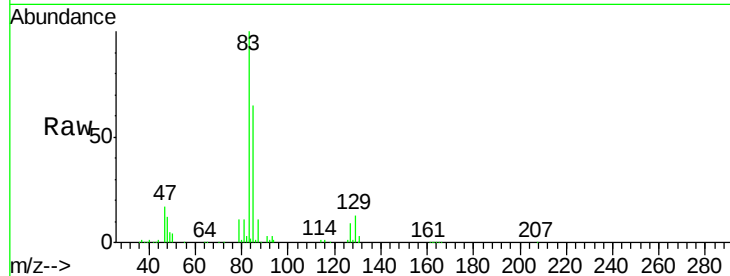
ClientSampleId :

B-11(1-2)MS

Tot Ion:	83	Resp:	324985
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.9	76.3
127	8.8	5.9	8.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.922 ug/l

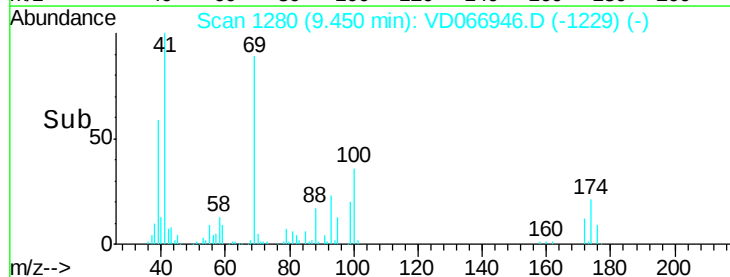
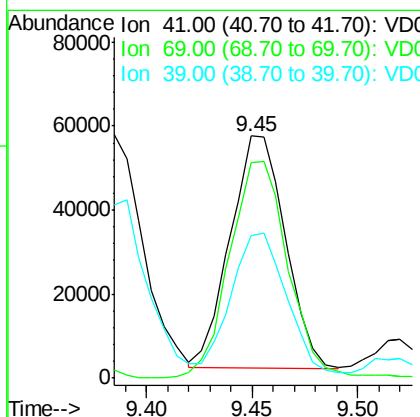
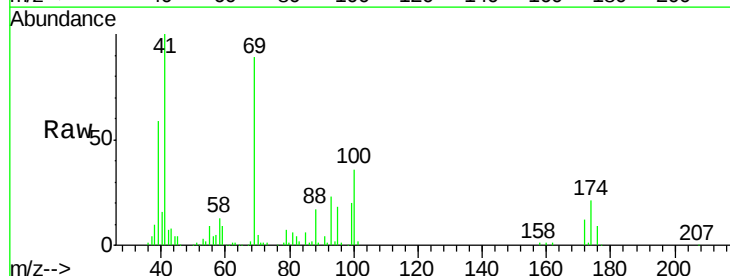
RT: 9.45 min Scan# 1280

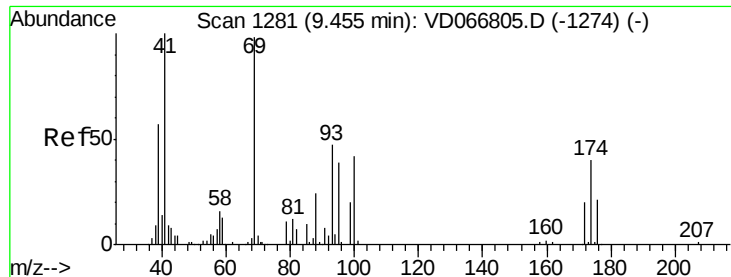
Delta R.T. -0.00 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Tgt Ion:	41	Resp:	100331
Ion	Ratio	Lower	Upper
41	100		
69	97.9	74.5	111.7
39	65.5	47.0	70.6





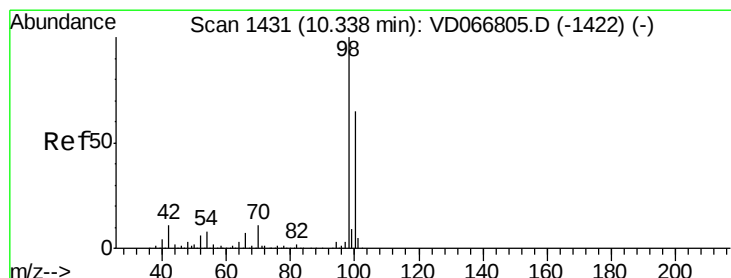
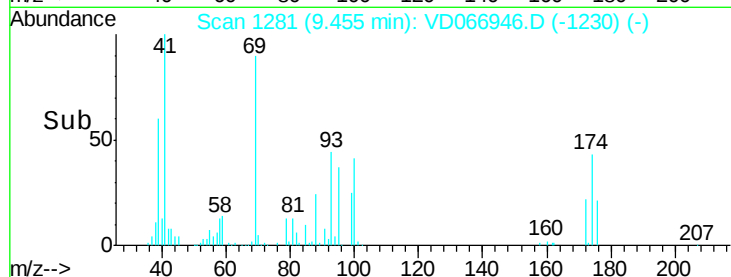
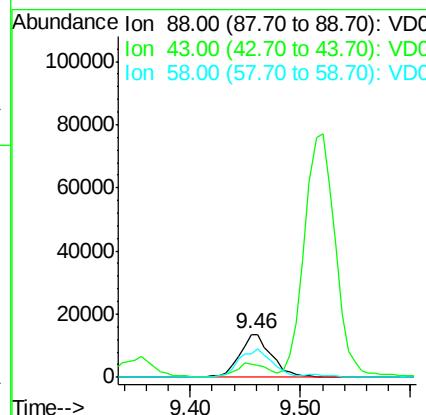
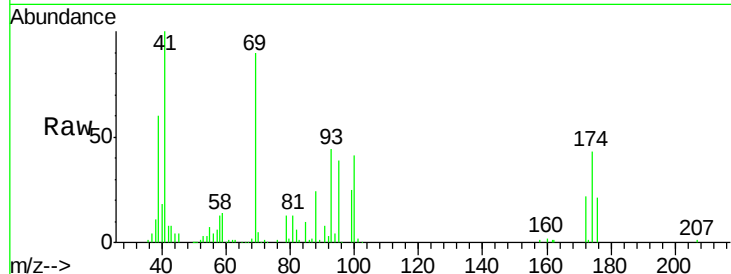
#49
1,4-Dioxane
Concen: 1115.893 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

Tot Ion	88	Resp	27893
Ion	Ratio	Lower	Upper
88	100		
43	32.3	27.7	41.5
58	68.8	55.5	83.3

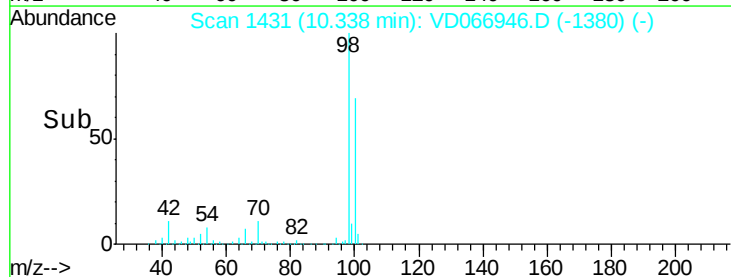
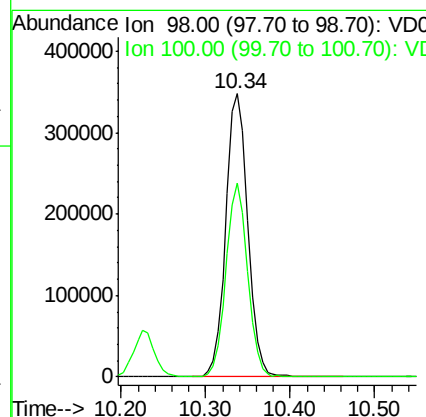
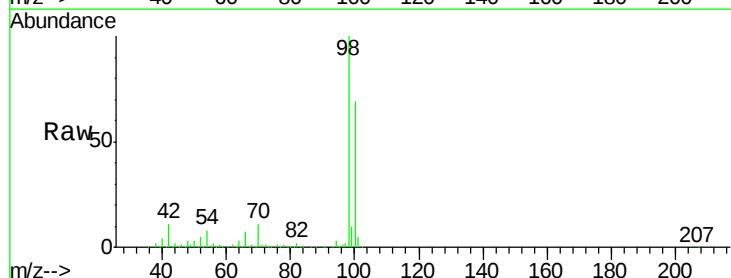
Manual Integrations
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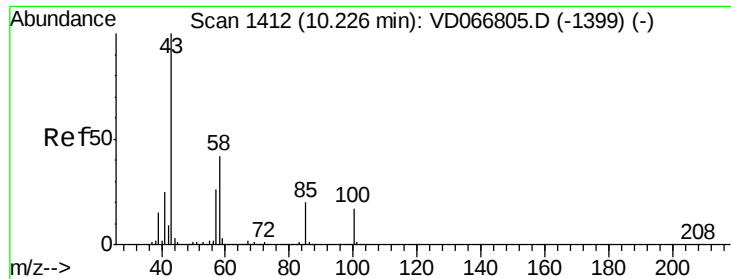
MMDadoda
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#50
Toluene-d8
Concen: 49.116 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	98	Resp	627630
Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 258.721 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MS

Tot Ion: 43 Resp: 534371

Ion Ratio Lower Upper

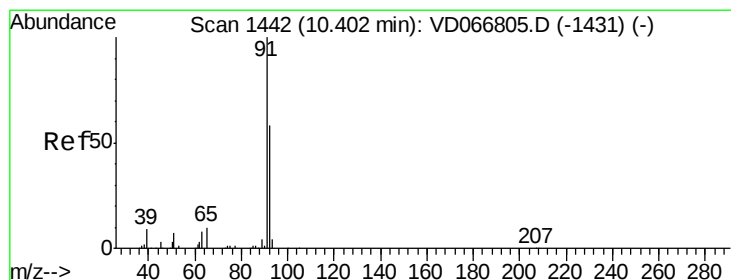
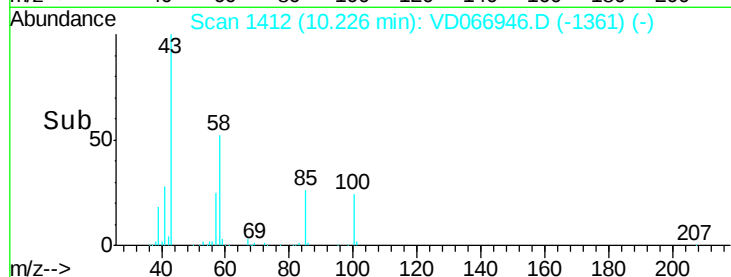
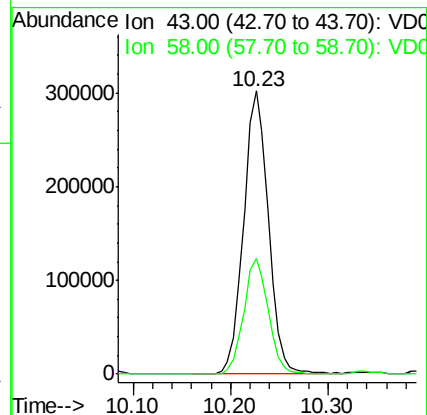
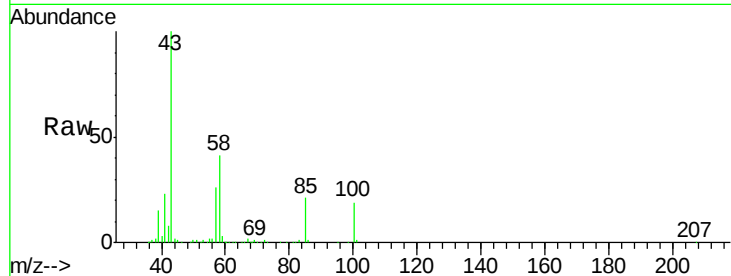
43 100

58 40.5 32.2 48.4

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#52

Toluene

Concen: 52.819 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066946.D

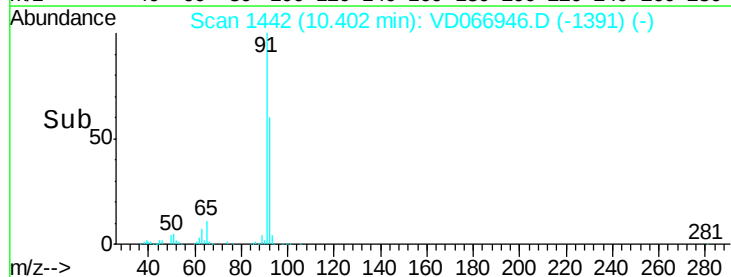
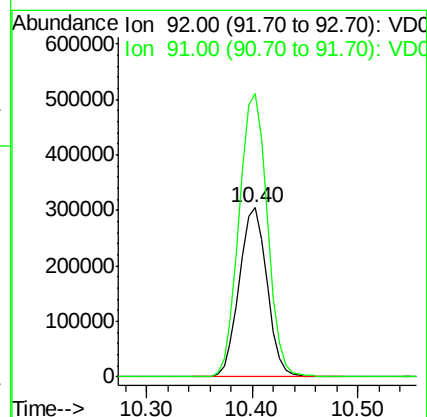
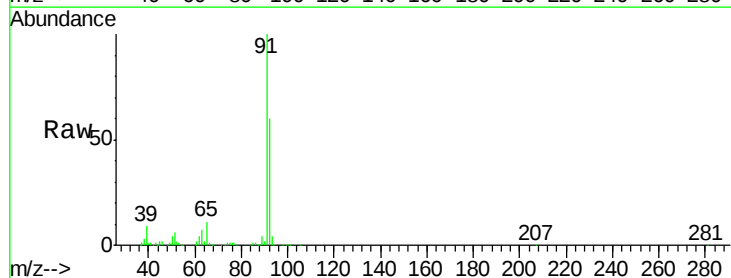
Acq: 29 Sep 2020 18:37

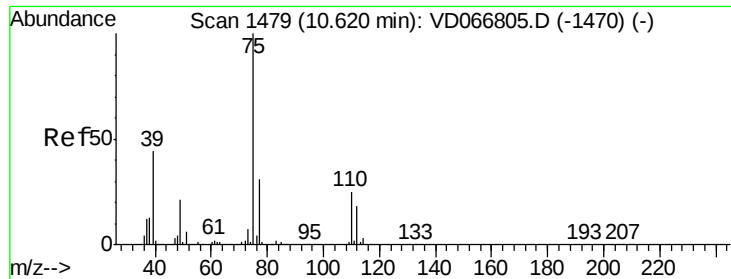
Tgt Ion: 92 Resp: 554550

Ion Ratio Lower Upper

92 100

91 170.7 134.6 202.0





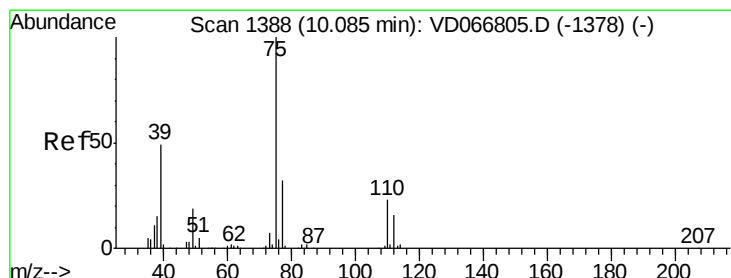
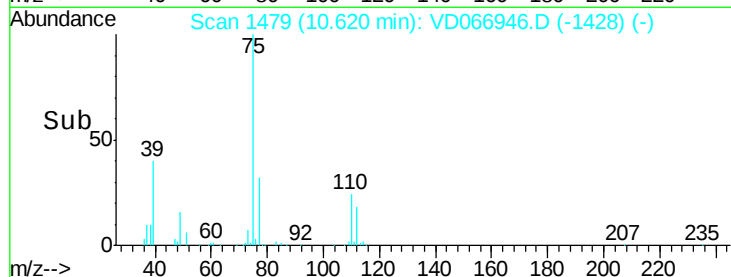
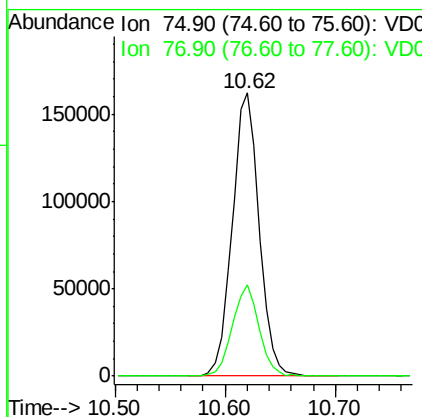
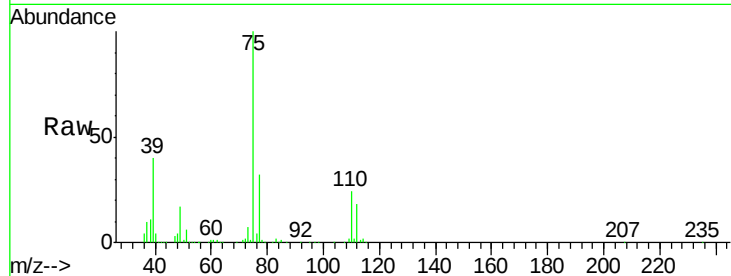
#53
t-1,3-Dichloropropene
Concen: 54.430 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.5	36.7

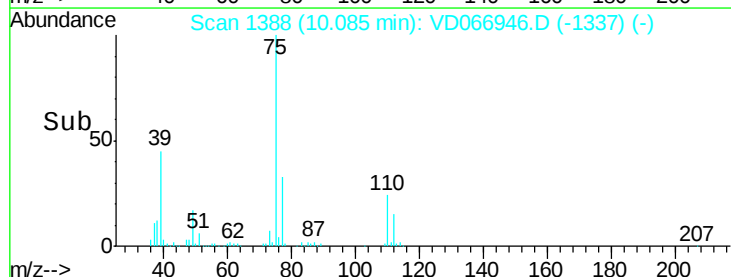
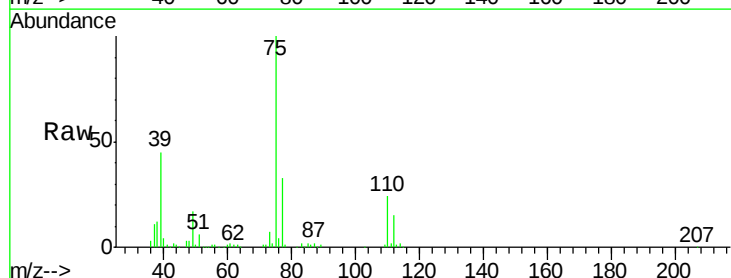
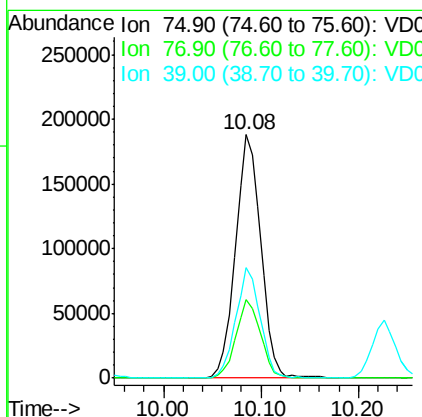
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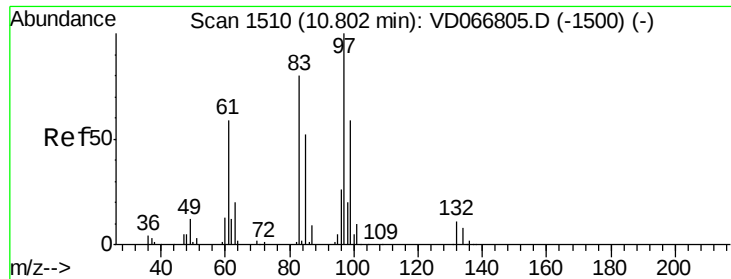
MMDadoda
9/30/2020 1:22:02 PM



#54
cis-1,3-Dichloropropene
Concen: 54.683 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.6	38.4
39	45.0	39.2	58.8





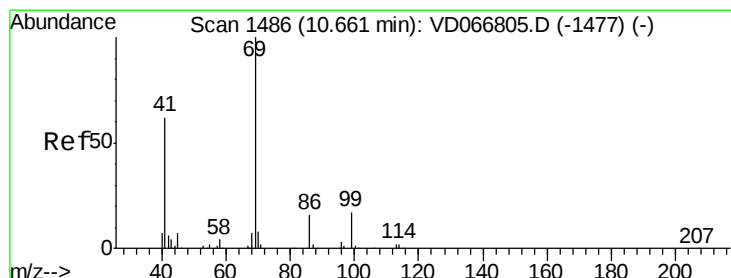
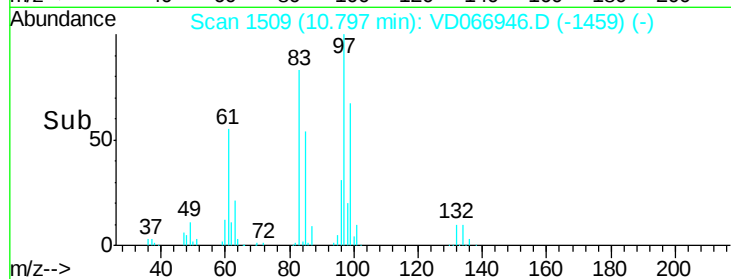
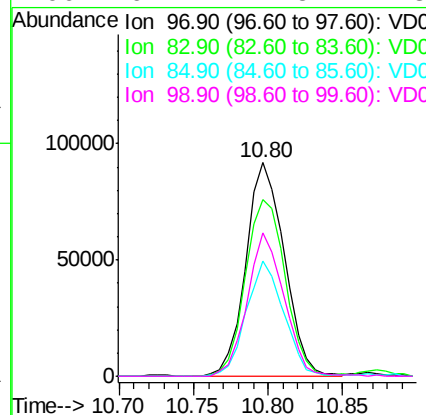
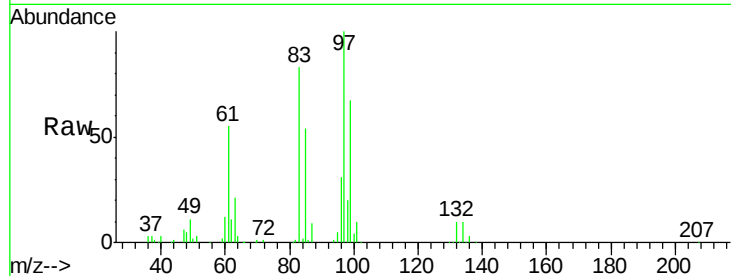
#55
 1,1,2-Trichloroethane
 Concen: 53.576 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MS

Tot Ion:	97	Resp:	164110
Ion	Ratio	Lower	Upper
97	100		
83	82.9	64.2	96.2
85	53.9	41.9	62.9
99	67.1	47.5	71.3

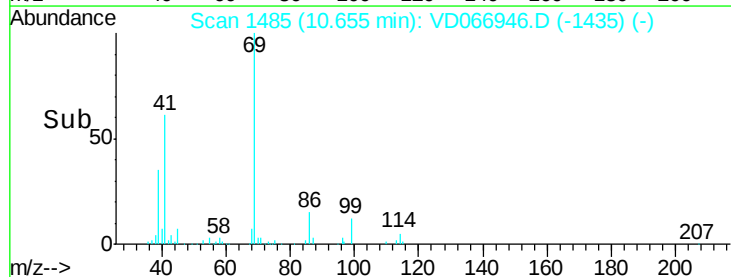
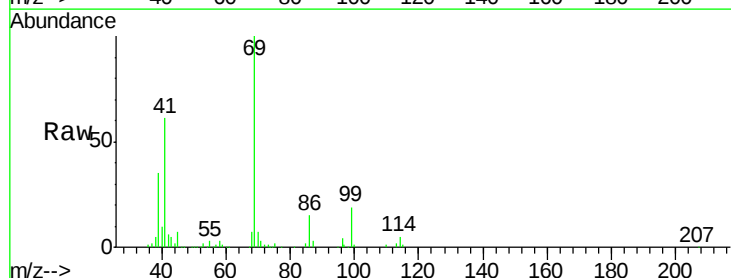
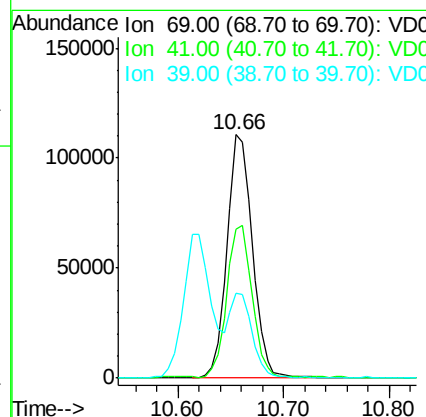
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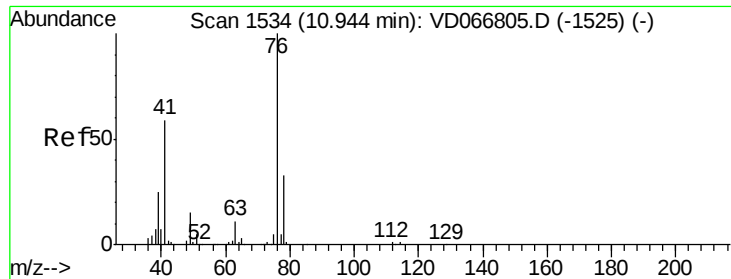
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#56
 Ethyl methacrylate
 Concen: 56.368 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Tgt Ion:	69	Resp:	184969
Ion	Ratio	Lower	Upper
69	100		
41	61.8	52.2	78.2
39	30.4	26.6	40.0





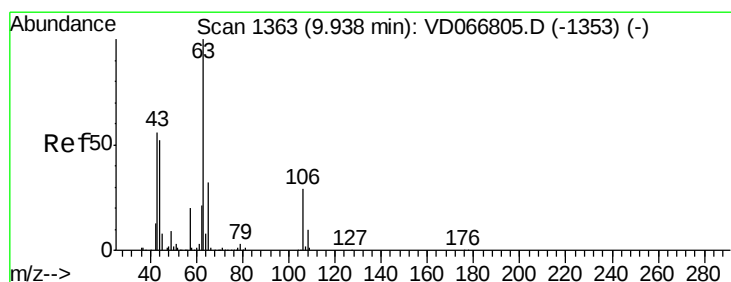
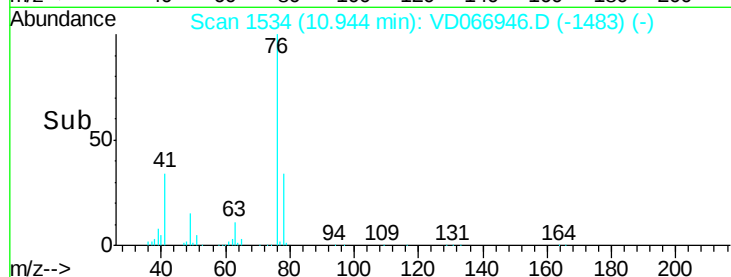
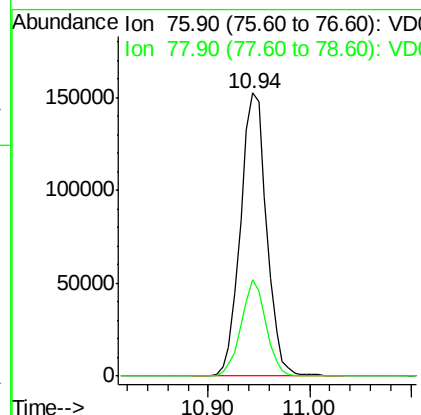
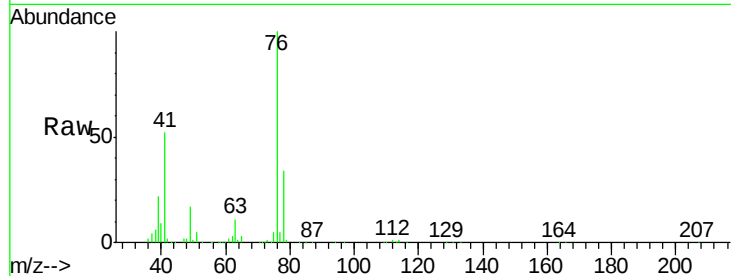
#57
 1,3-Dichloropropane
 Concen: 54.096 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.3	39.5

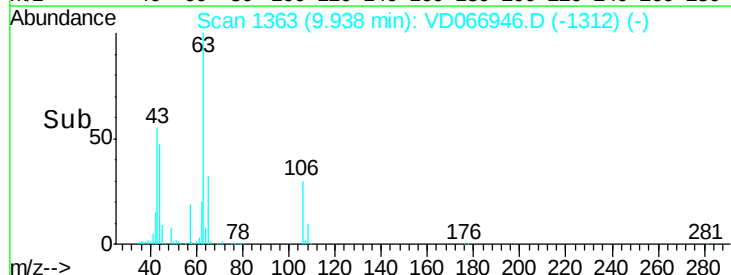
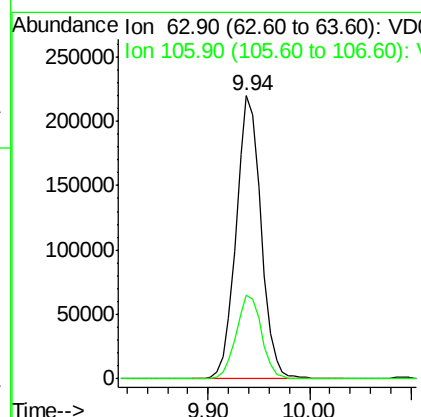
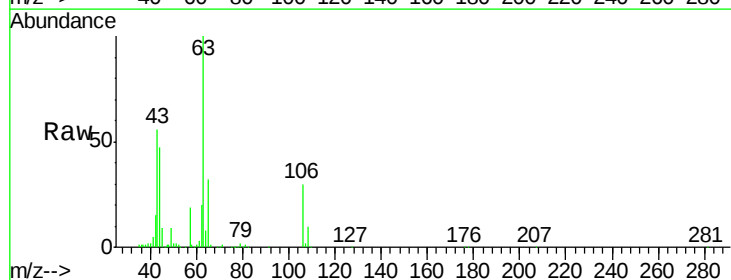
Manual Integrations
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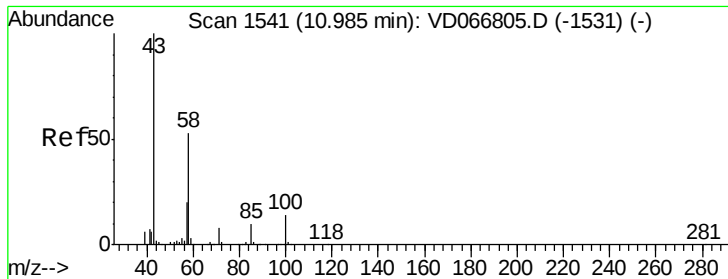
MMDadoda
 9/30/2020 1:22:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.527 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	23.8	35.6





#59

2-Hexanone

Concen: 253.104 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MS

Tot Ion: 43 Resp: 352543

Ion Ratio Lower Upper

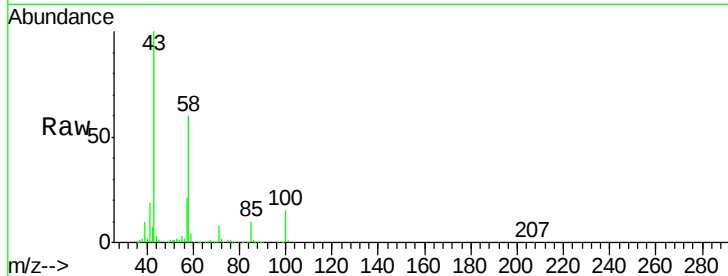
43 100

58 58.0 27.0 80.8

Manual Integrations
APPROVED

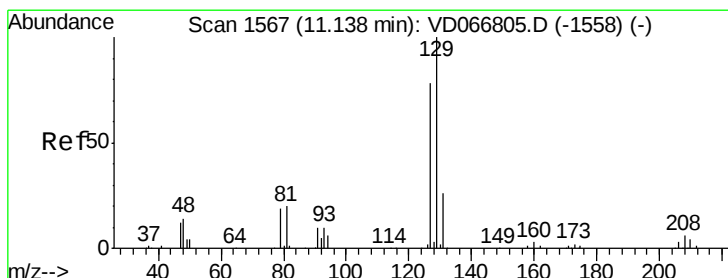
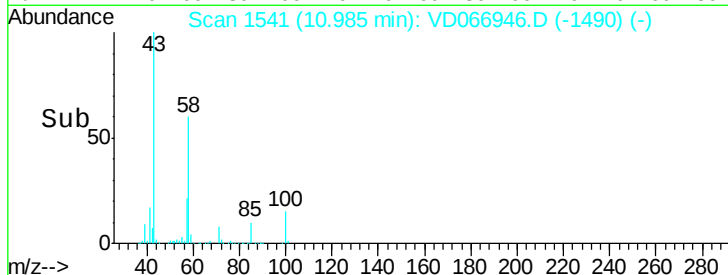
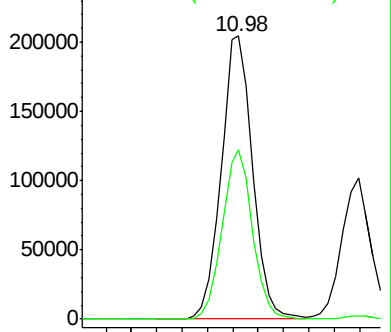
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 53.914 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VD066946.D

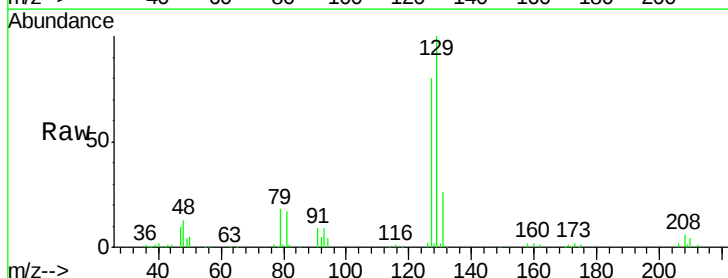
Acq: 29 Sep 2020 18:37

Tgt Ion: 129 Resp: 215533

Ion Ratio Lower Upper

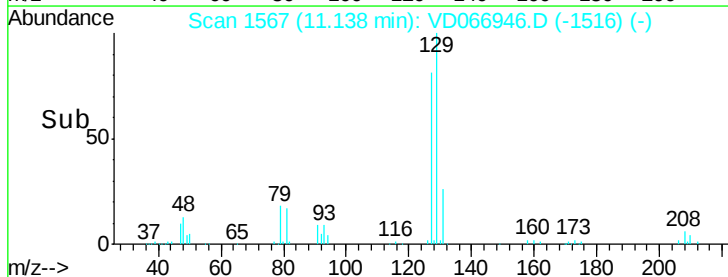
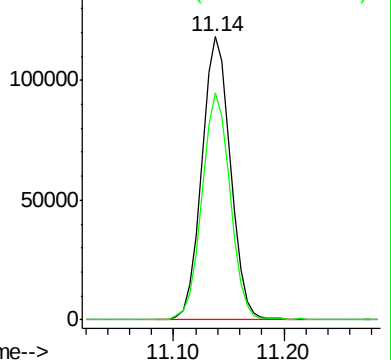
129 100

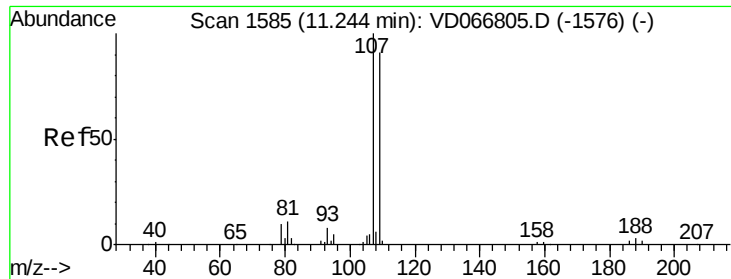
127 79.1 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 54.794 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MS

Tot Ion: 107 Resp: 156113

Ion Ratio Lower Upper

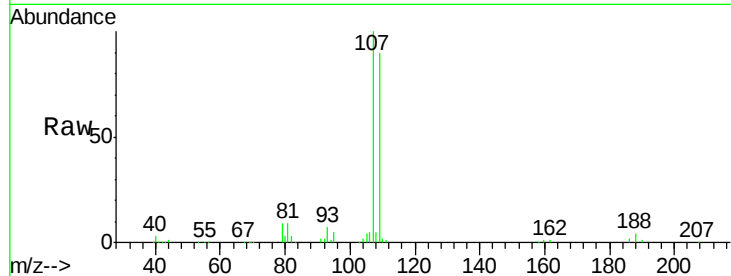
107 100

109 91.9 75.0 112.4

Manual Integrations
APPROVED

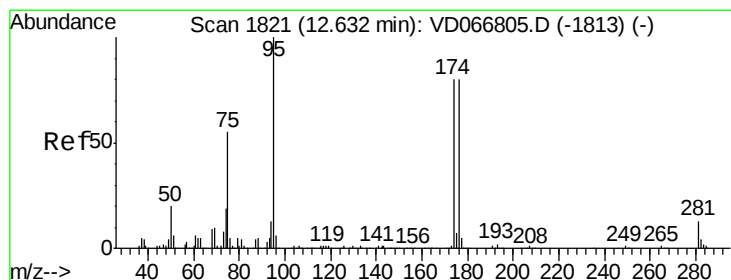
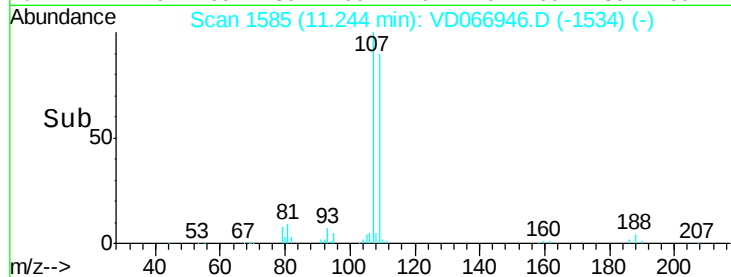
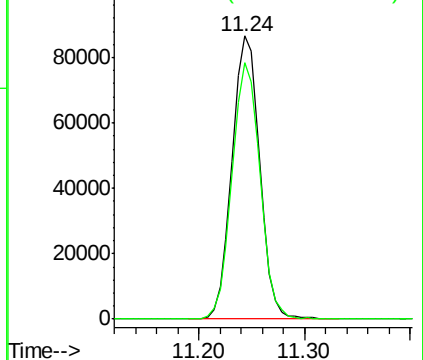
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.349 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

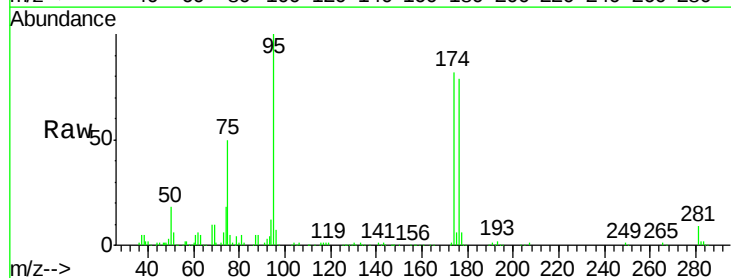
Tgt Ion: 95 Resp: 202757

Ion Ratio Lower Upper

95 100

174 81.9 0.0 159.8

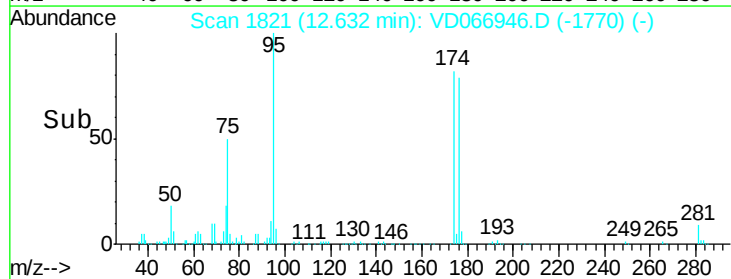
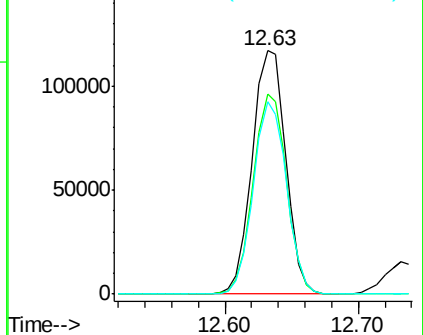
176 78.2 0.0 154.4

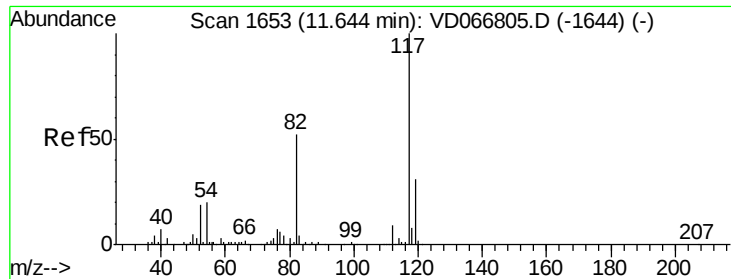


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





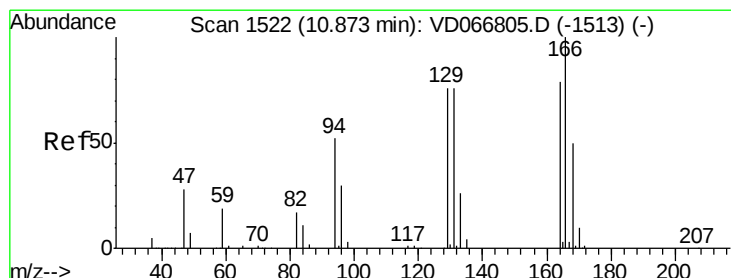
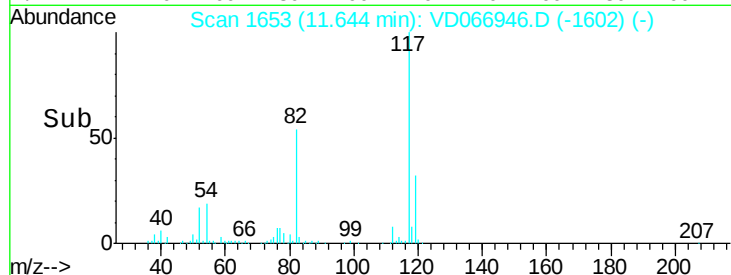
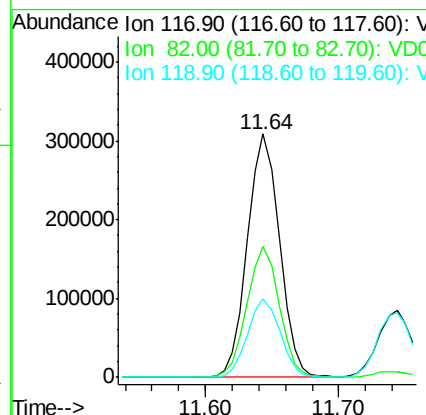
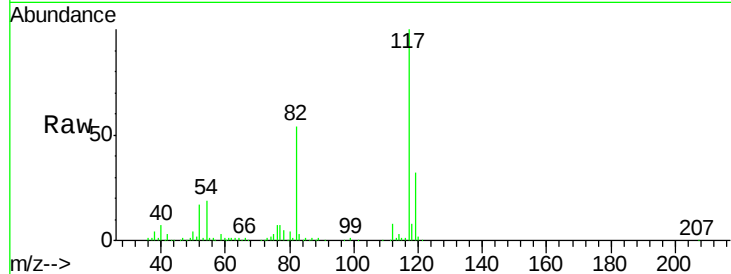
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	515217		
82	53.7	41.8	62.6	
119	32.1	24.6	37.0	

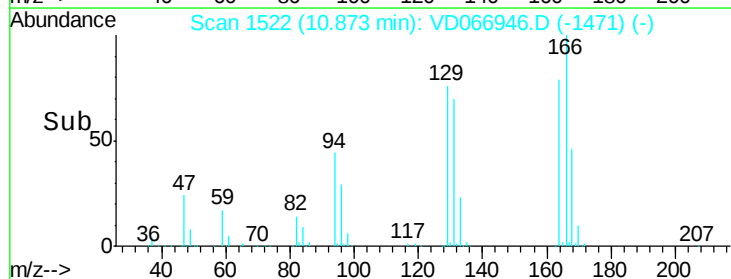
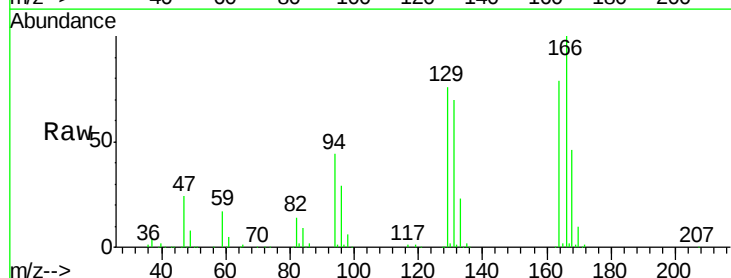
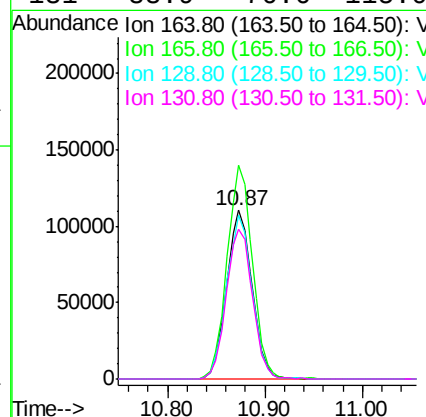
Manual Integrations
APPROVED

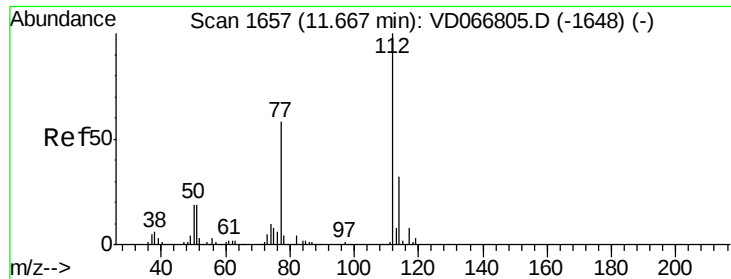
MMDadoda
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#64
Tetrachloroethene
Concen: 53.811 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	199425		
166	126.7	101.1	151.7	
129	96.8	77.0	115.4	
131	88.9	76.6	115.0	





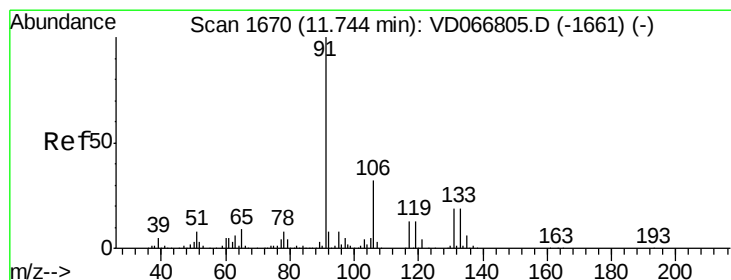
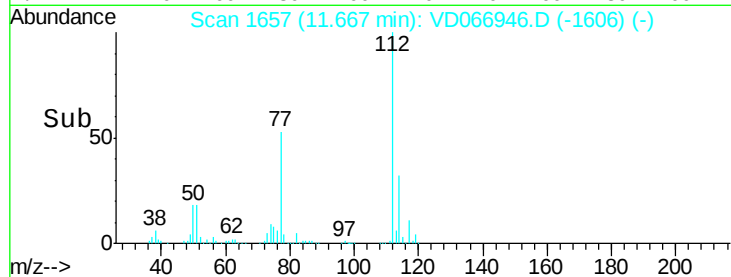
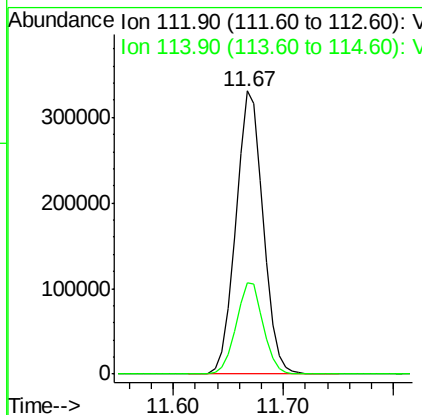
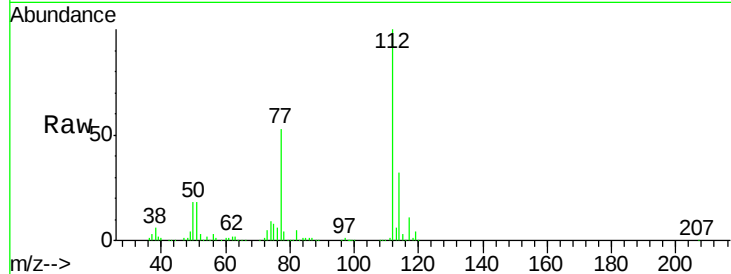
#65
Chlorobenzene
Concen: 53.442 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.2

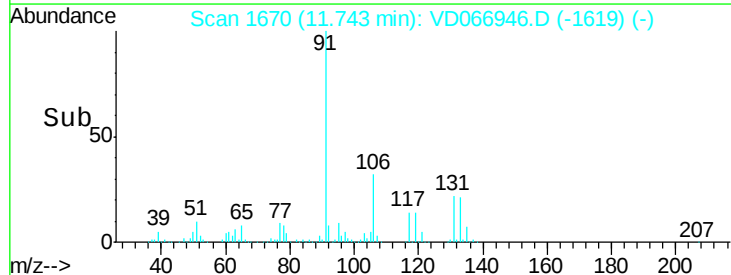
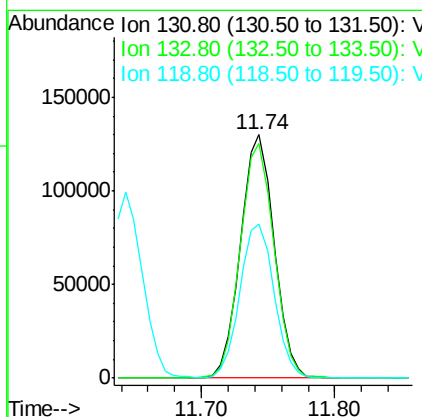
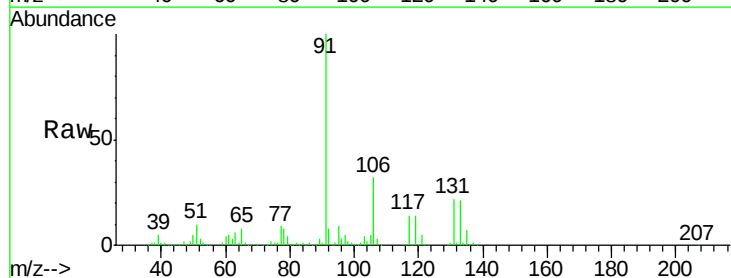
Manual Integrations
APPROVED

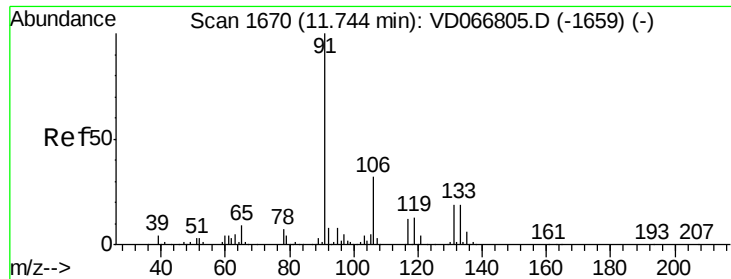
MMDadoda
9/30/2020 1:22:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.842 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	46.7	140.1
119	64.7	32.3	96.9





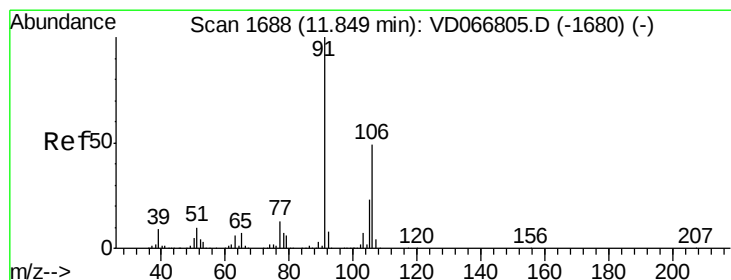
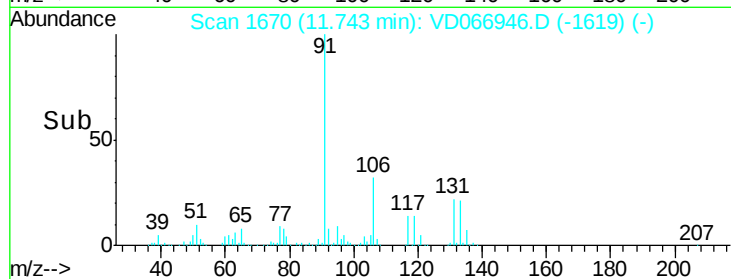
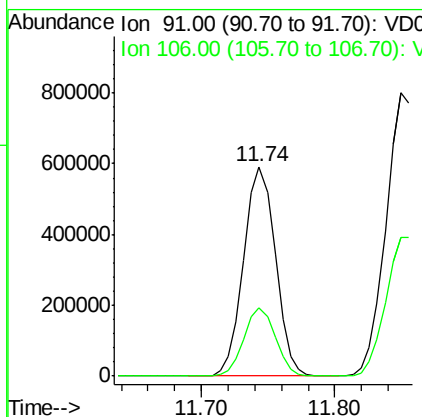
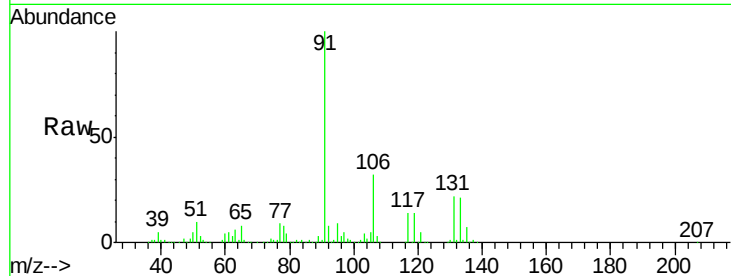
#67
Ethyl Benzene
Concen: 52.024 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.6	38.4

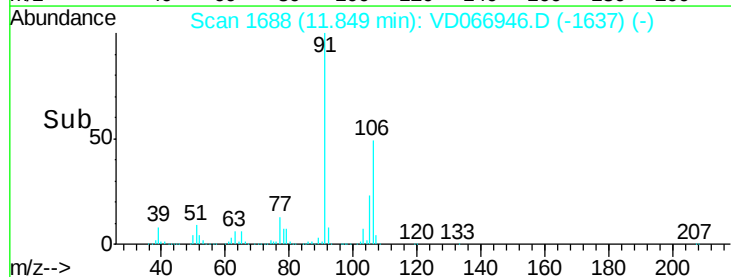
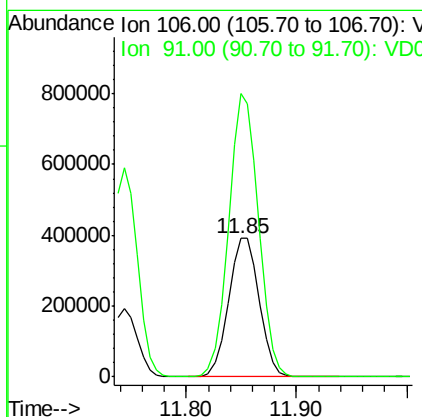
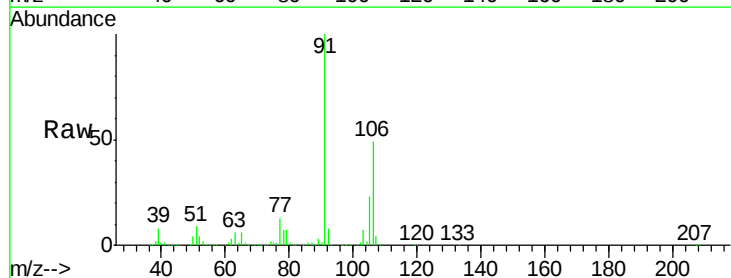
Manual Integrations
APPROVED

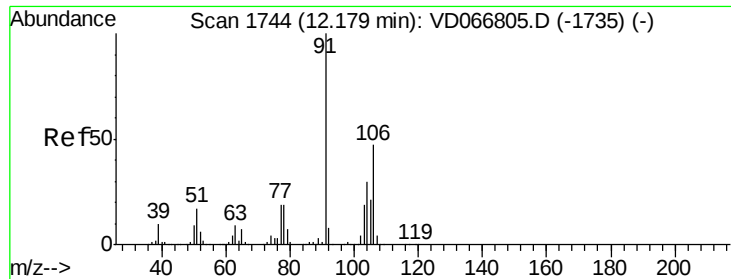
MMDadoda
9/30/2020 1:22:02 PM



#68
m/p-Xylenes
Concen: 106.542 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.6	160.7	241.1





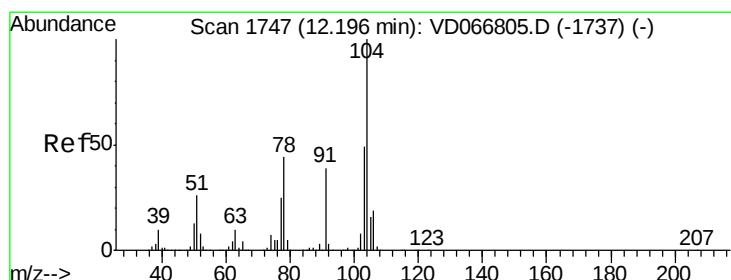
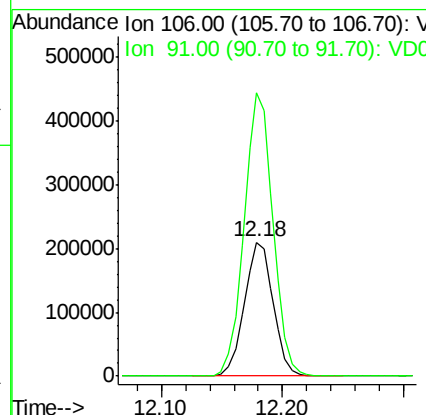
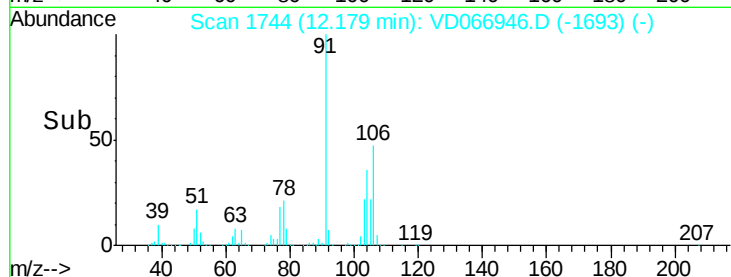
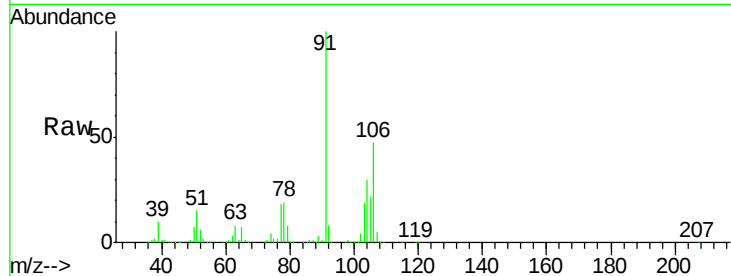
#69
o-Xylene
Concen: 54.003 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampled :
B-11(1-2)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	348234		
91	91	211.5	106.3	318.8	

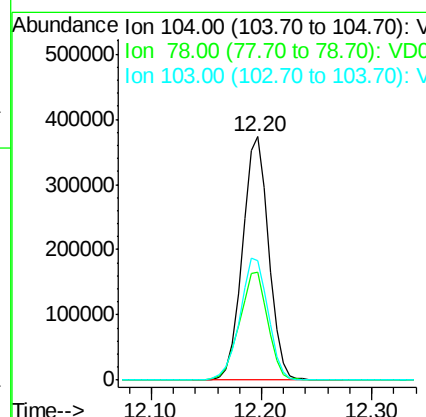
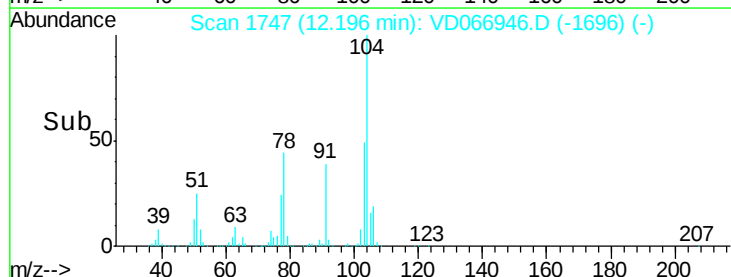
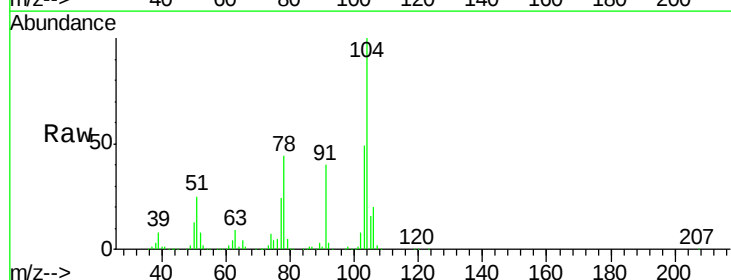
Manual Integrations
APPROVED

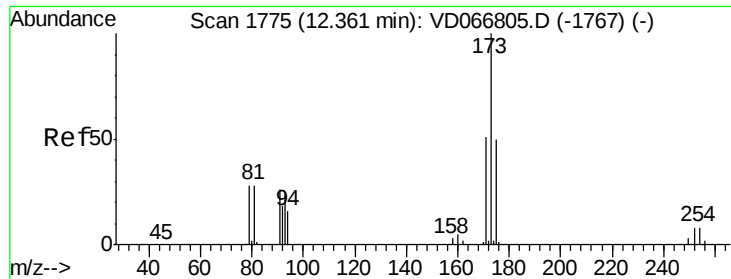
MMDadoda
9/30/2020 1:22:02 PM



#70
Styrene
Concen: 55.595 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	622587		
78	78	47.8	38.9	58.3	
103	103	53.8	43.2	64.8	





#71

Bromoform

Concen: 55.865 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

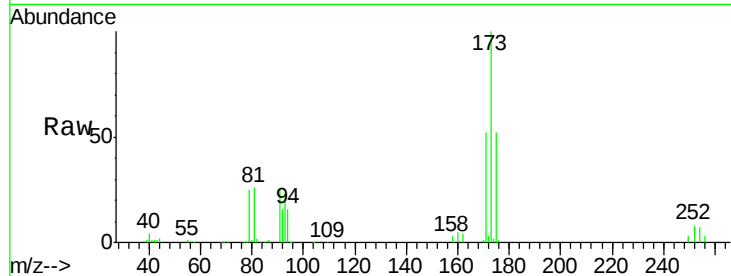
ClientSampleId :

B-11(1-2)MS

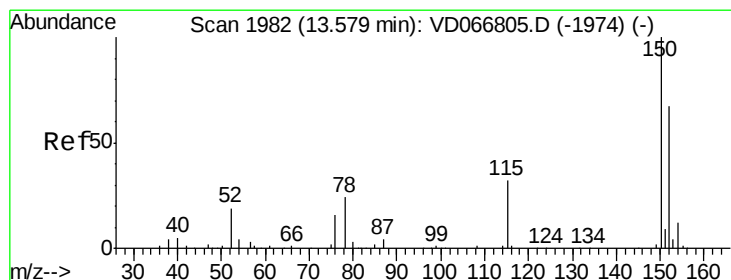
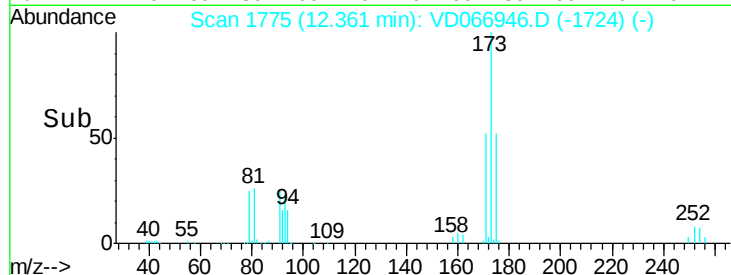
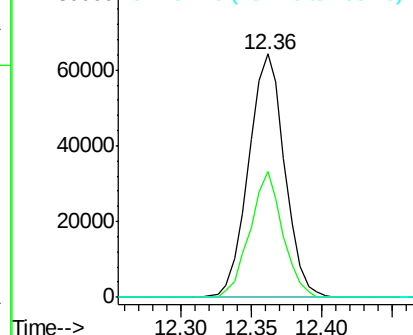
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.9	74.6
254	0.0	0.1	0.1#

Manual Integrations
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9/30/2020 1:22:02 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

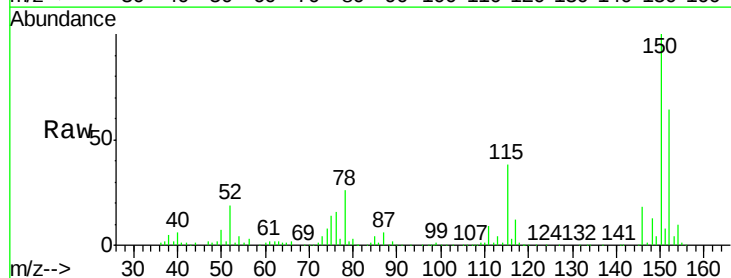
RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

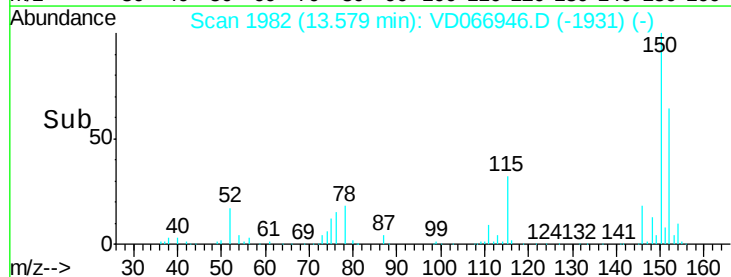
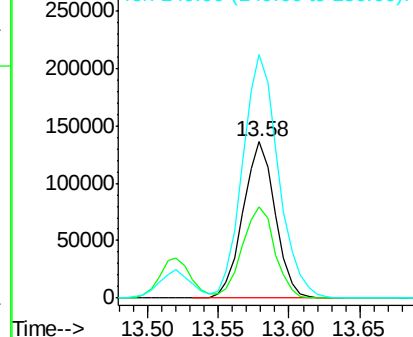
Lab File: VD066946.D

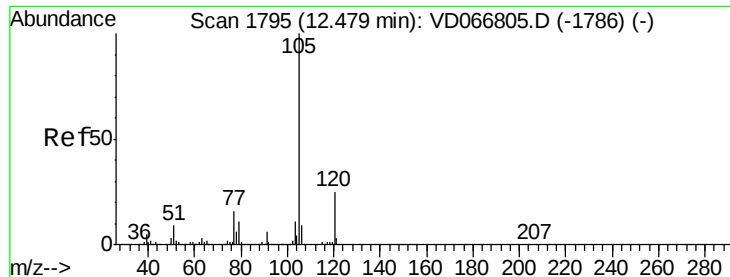
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.3	91.0
150	172.8	0.0	346.2



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





#73

Isopropylbenzene

Concen: 55.879 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

B-11(1-2)MS

Tot Ion: 105 Resp: 878162

Ion Ratio Lower Upper

105 100

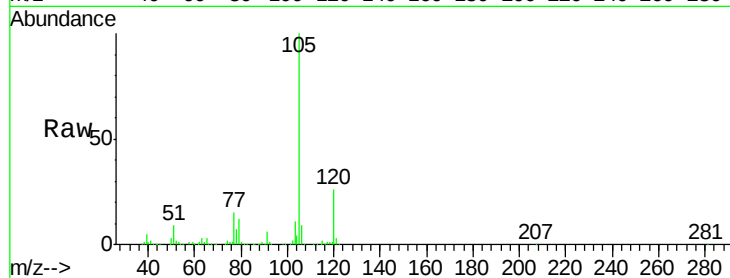
120 26.6 12.9 38.6

Manual Integrations

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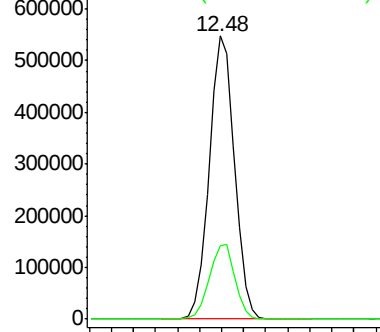
MMDadoda

9/30/2020 1:22:02 PM

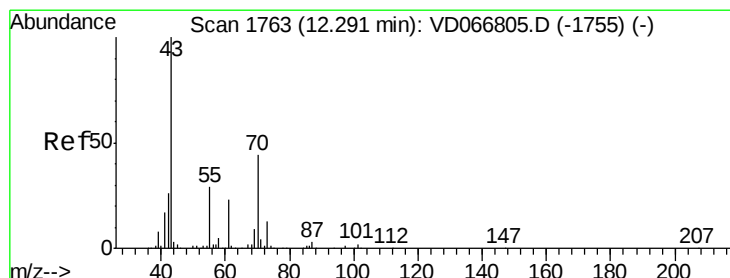
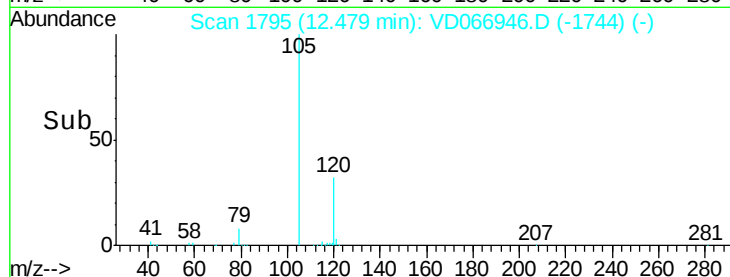


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 56.495 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Tgt Ion: 43 Resp: 173382

Ion Ratio Lower Upper

43 100

70 47.2 36.1 54.1

55 28.4 21.8 32.8

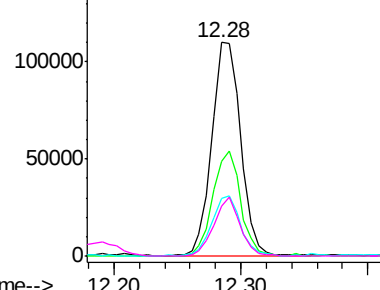
61 24.9 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): V

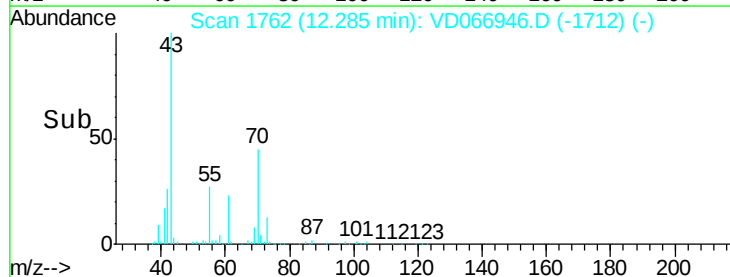
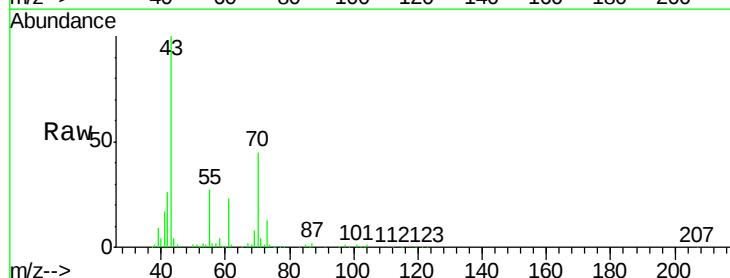
Ion 70.00 (69.70 to 70.70): V

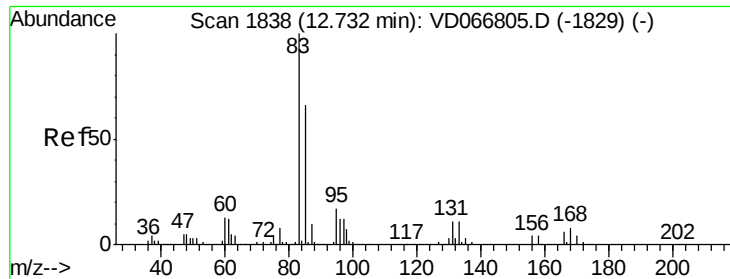
Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 59.635 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

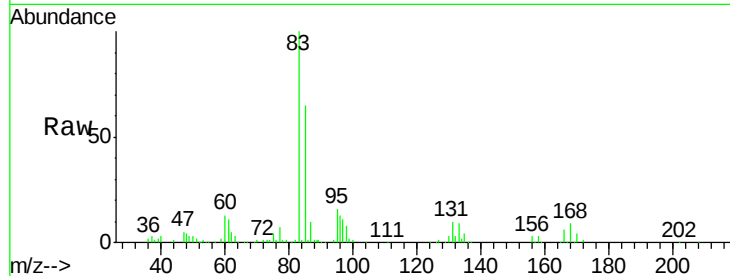
ClientSampleId :

B-11(1-2)MS

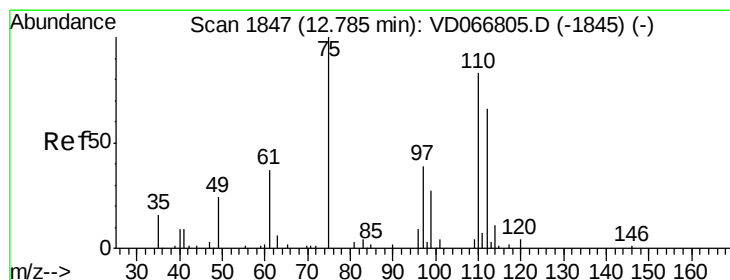
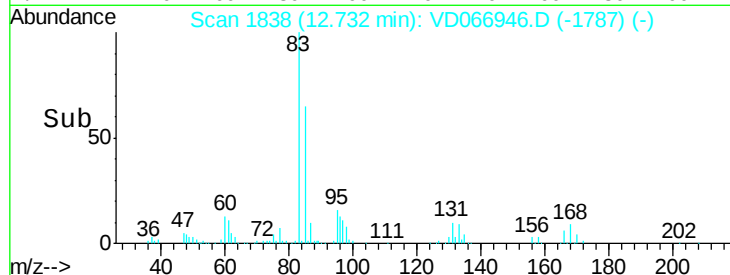
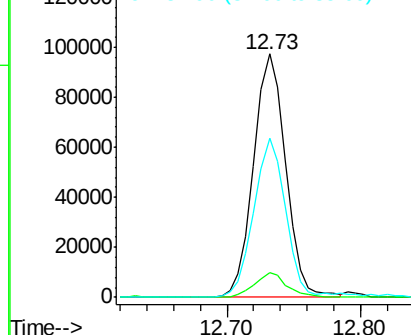
Tot Ion:	83	Resp:	161715
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.5	16.7
85	65.7	32.1	96.5

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 57.083 ug/l m

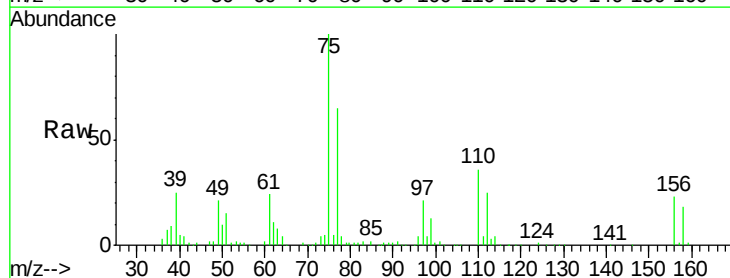
RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

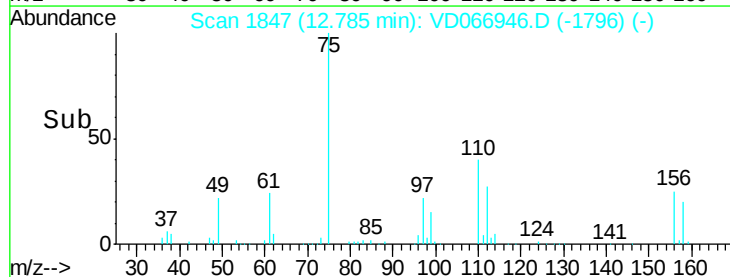
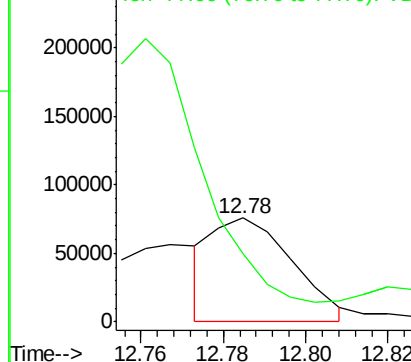
Lab File: VD066946.D

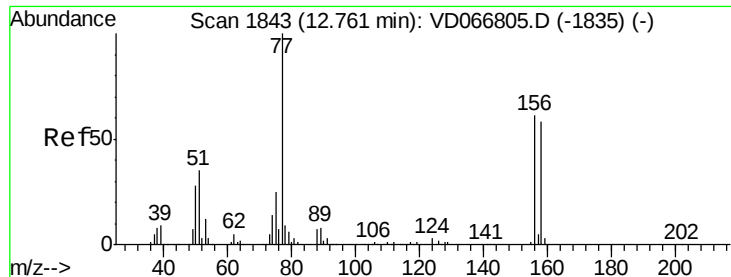
Acq: 29 Sep 2020 18:37

Tgt Ion:	75	Resp:	102910
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 60.779 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

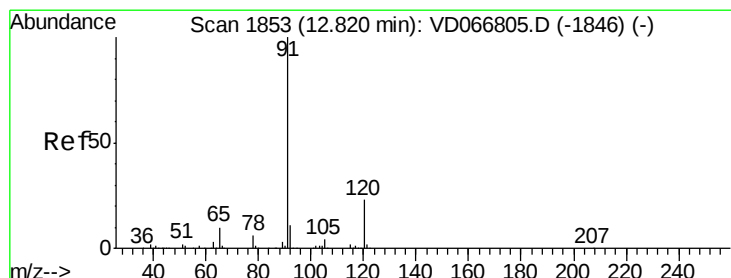
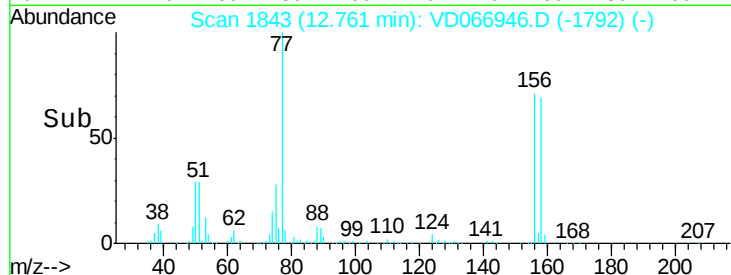
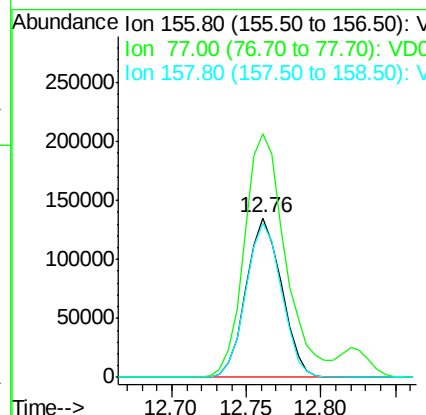
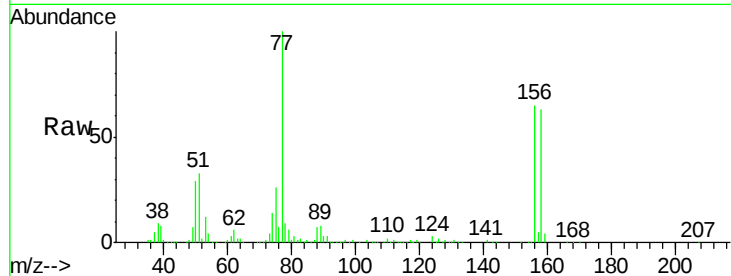
ClientSampleId :

B-11(1-2)MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.0	92.3	276.9
158	97.5	47.6	142.9

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#78

n-propylbenzene

Concen: 52.340 ug/l

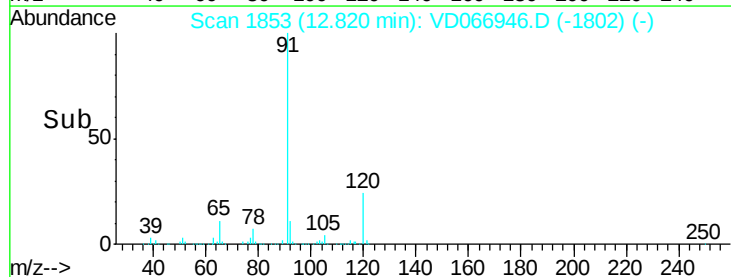
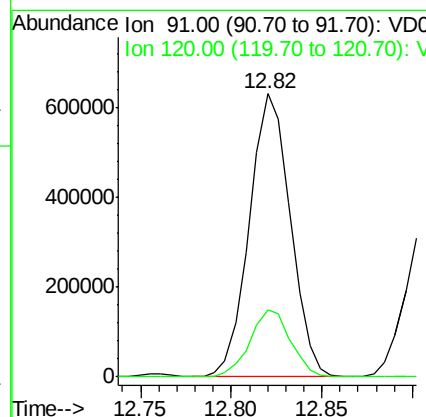
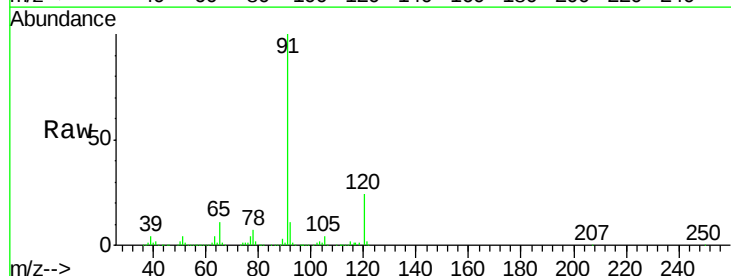
RT: 12.82 min Scan# 1853

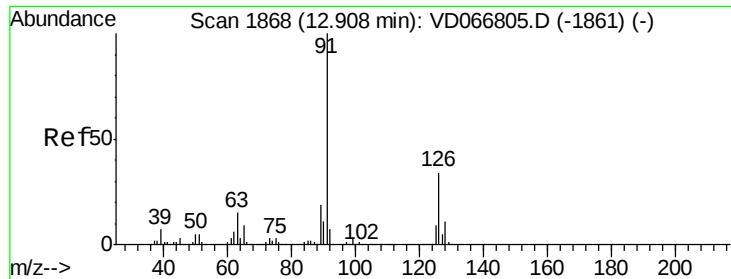
Delta R.T. -0.00 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.4	34.2





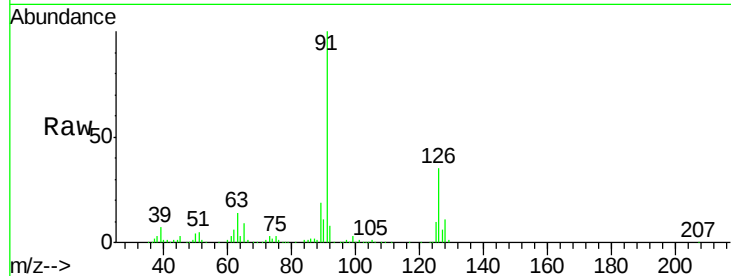
#79
2-Chlorotoluene
Concen: 55.970 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

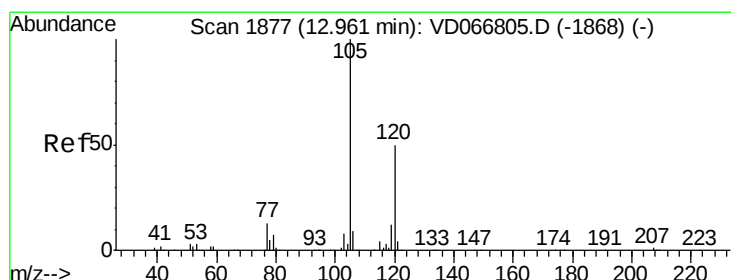
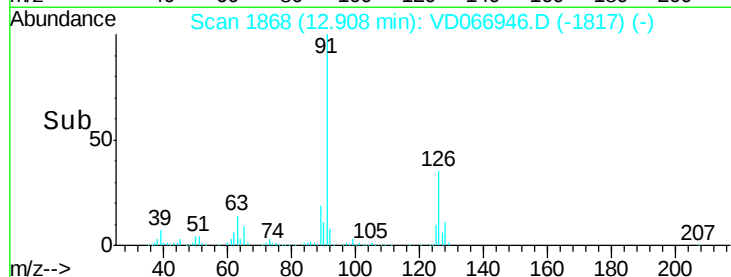
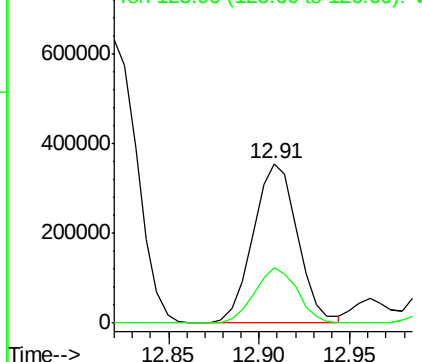
Tot Ion: 91 Resp: 603004
Ion Ratio Lower Upper
91 100
126 33.6 17.0 51.0

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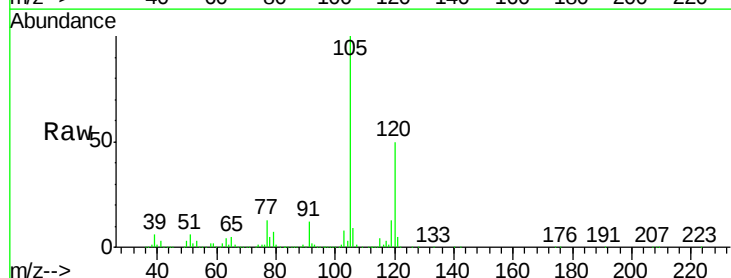


Abundance Ion 91.00 (90.70 to 91.70): VD066946.D (-1817) (-)
Ion 125.90 (125.60 to 126.60): VD066946.D (-1817) (-)

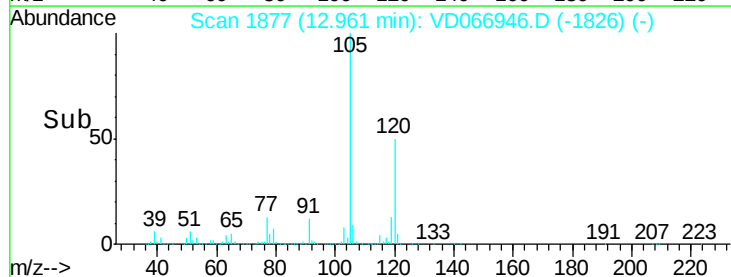
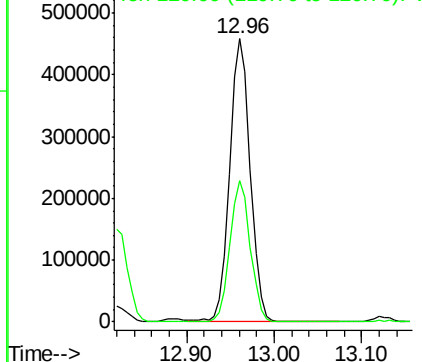


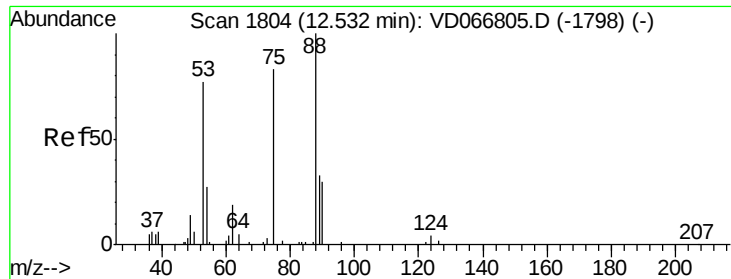
#80
1,3,5-Trimethylbenzene
Concen: 54.973 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion: 105 Resp: 733049
Ion Ratio Lower Upper
105 100
120 49.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VD066946.D (-1826) (-)
Ion 120.00 (119.70 to 120.70): VD066946.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 60.185 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Instrument :

MSVOA_D

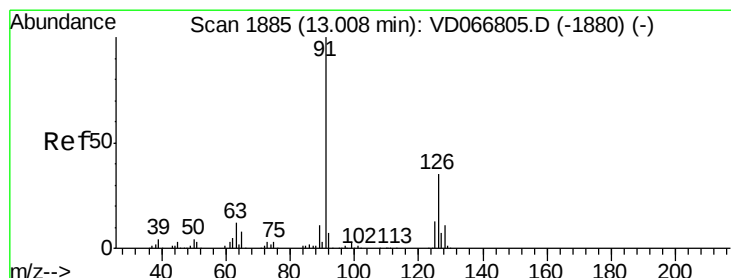
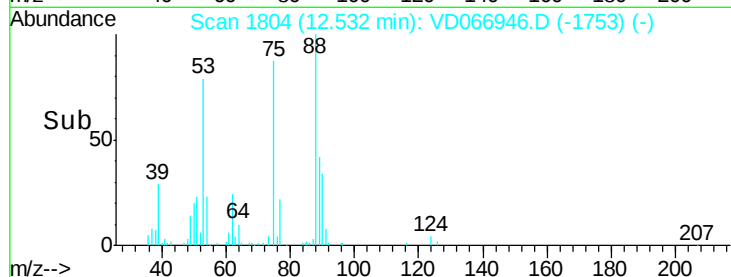
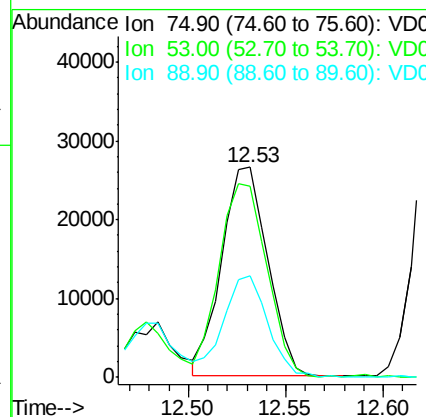
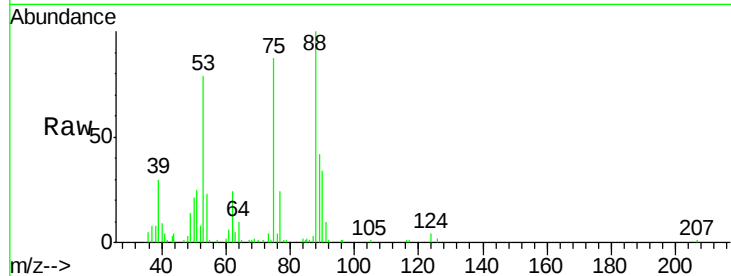
ClientSampleId :

B-11(1-2)MS

Tot Ion:	75	Resp:	43368
Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.5	117.7
89	47.4	38.1	57.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.591 ug/l

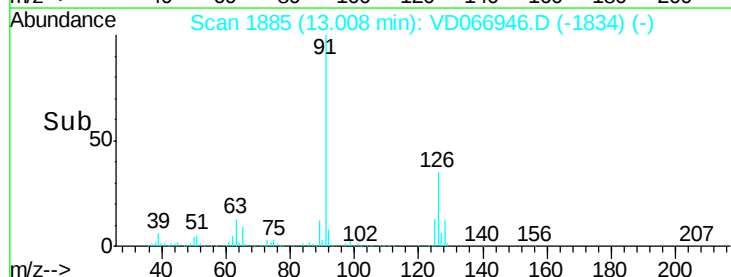
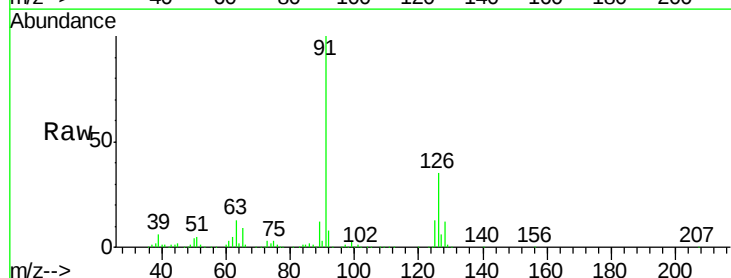
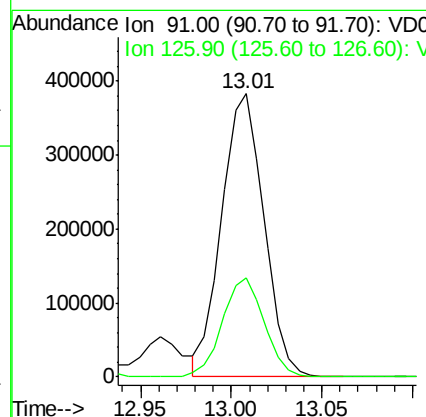
RT: 13.01 min Scan# 1885

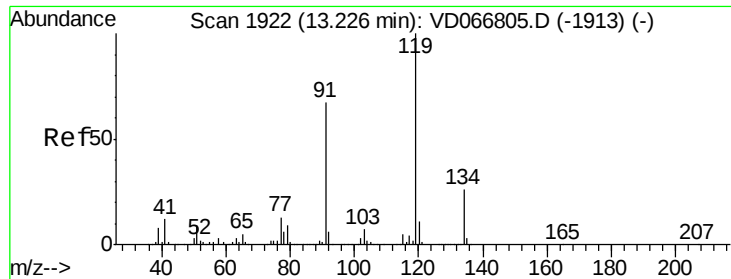
Delta R.T. -0.00 min

Lab File: VD066946.D

Acq: 29 Sep 2020 18:37

Tgt Ion:	91	Resp:	619991
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.1	51.2





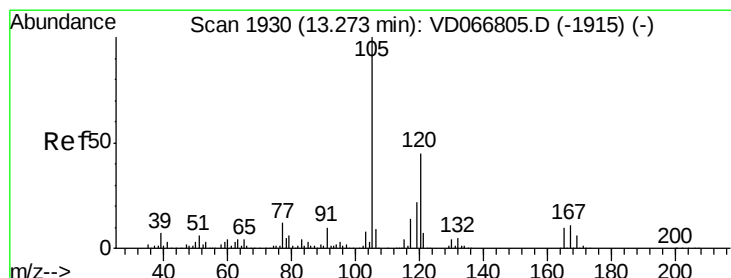
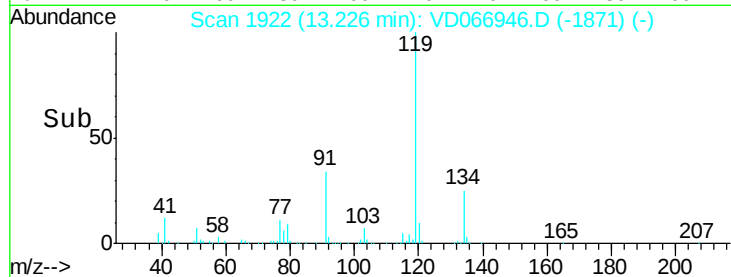
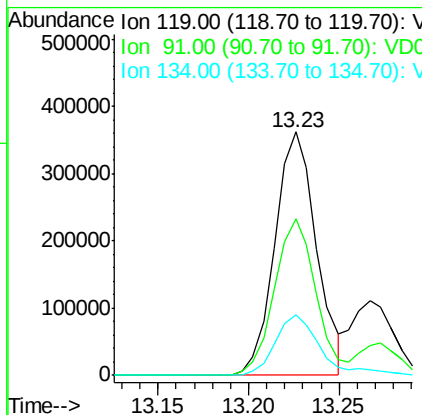
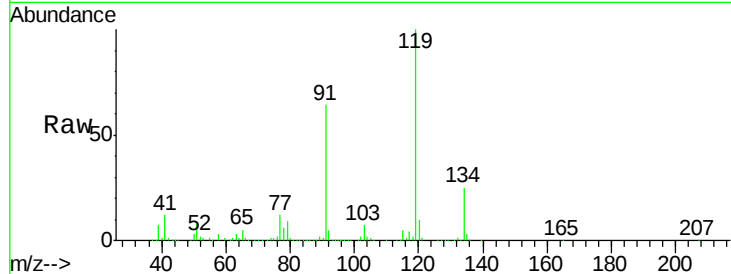
#83
tert-Butylbenzene
Concen: 52.816 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	578730		
91	64.5		33.6	100.8
134	27.1		13.5	40.4

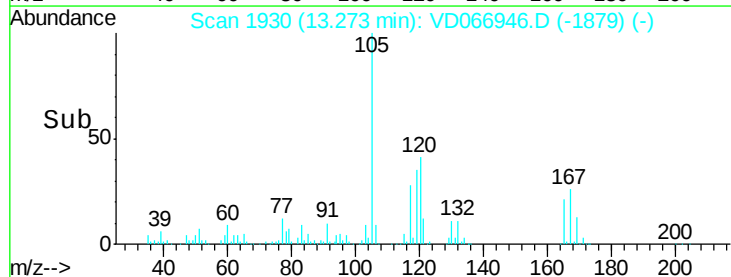
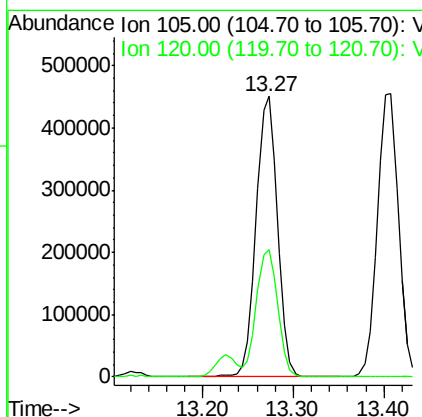
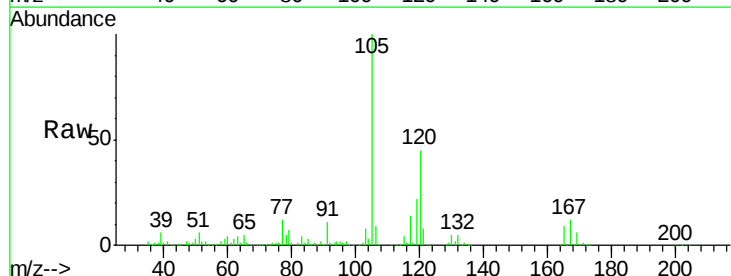
Manual Integrations
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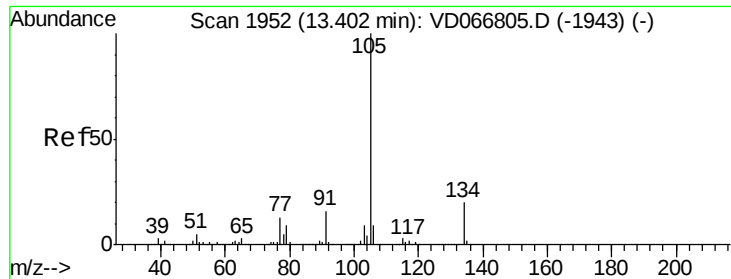
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#84
1,2,4-Trimethylbenzene
Concen: 55.807 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	737927		
120	45.3		22.3	66.9





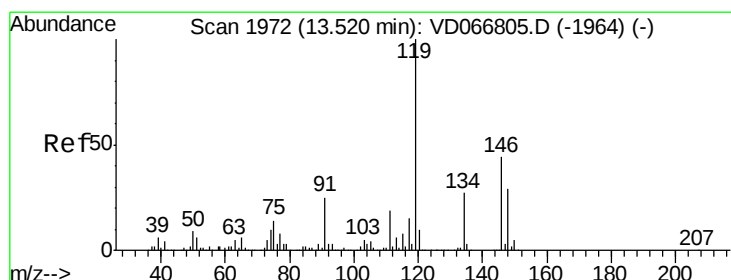
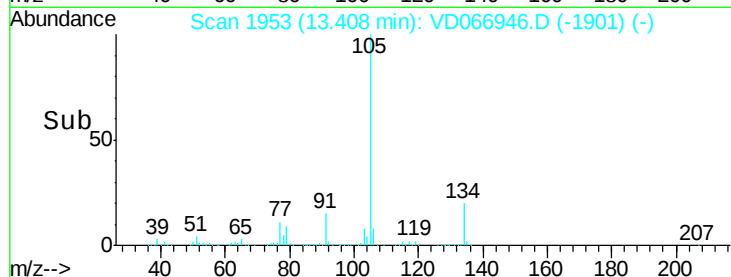
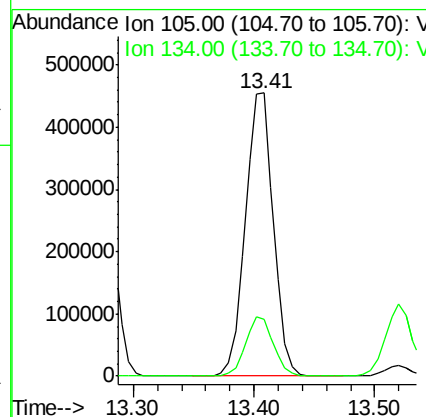
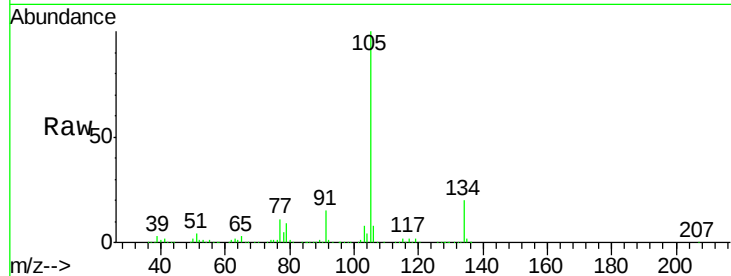
#85
 sec-Butylbenzene
 Concen: 46.597 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.01 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Instrument :
 MSVOA_D
 ClientSampled :
 B-11(1-2)MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.2	30.6

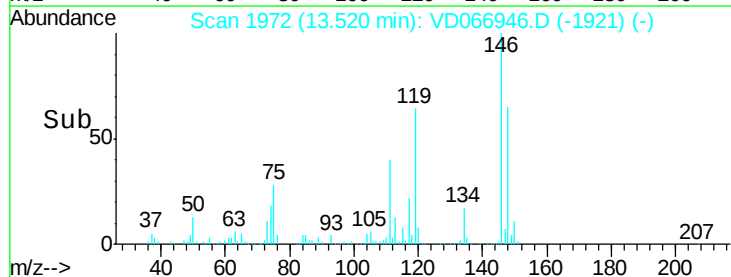
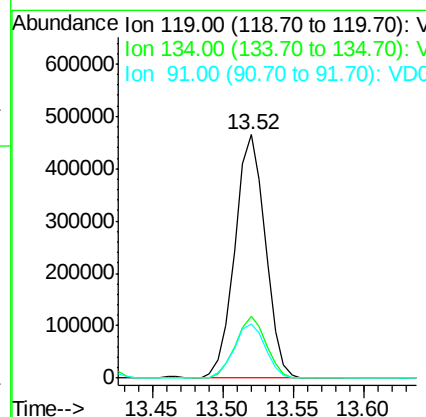
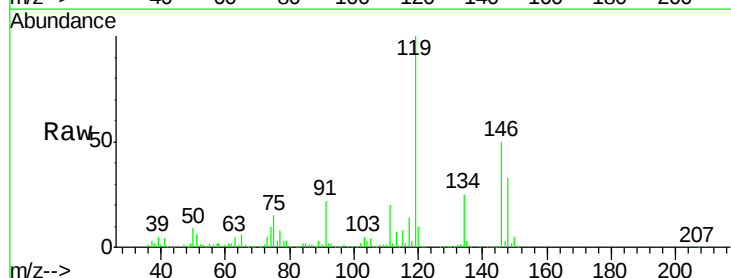
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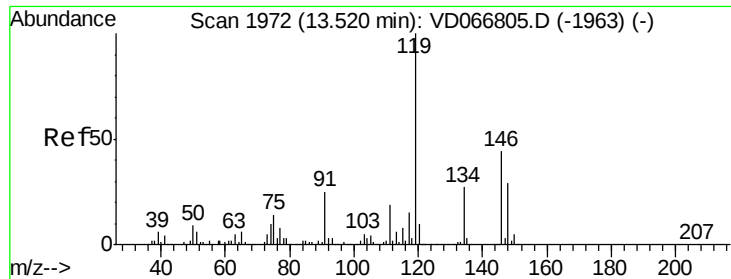
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#86
 p-Isopropyltoluene
 Concen: 49.124 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.0	38.9
91	22.7	12.0	36.1





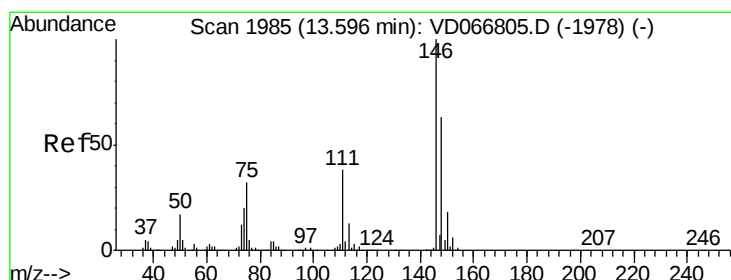
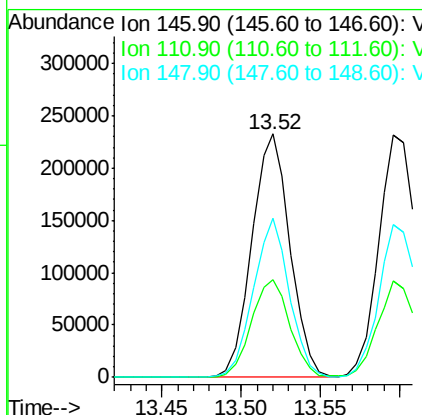
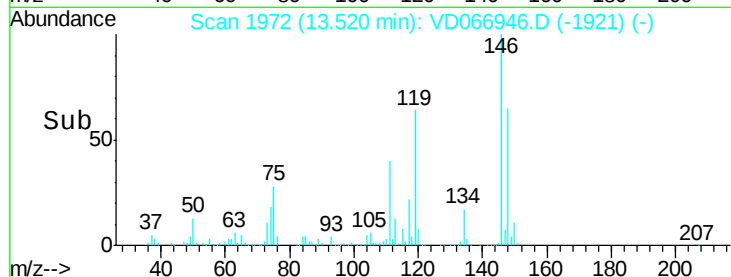
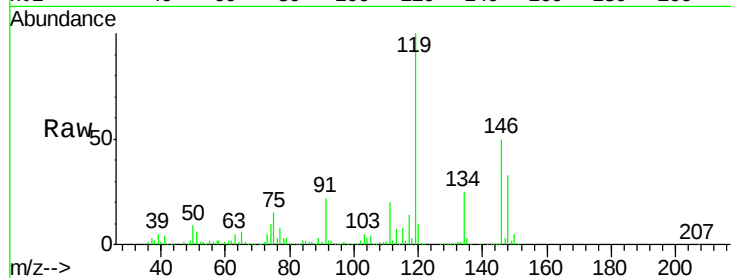
#87
 1,3-Dichlorobenzene
 Concen: 53.506 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	388531		
111	40.4	20.3	60.9	
148	61.8	31.9	95.5	

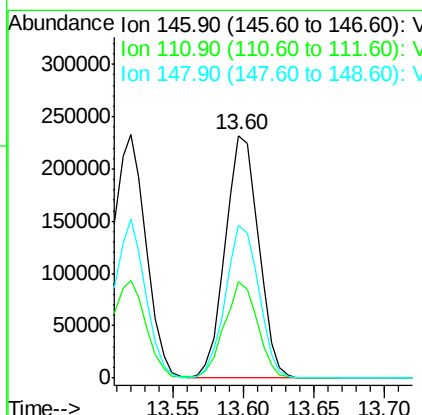
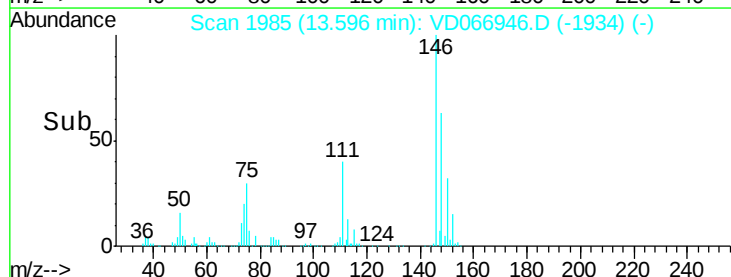
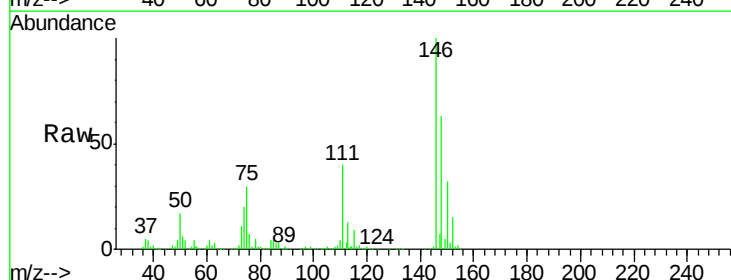
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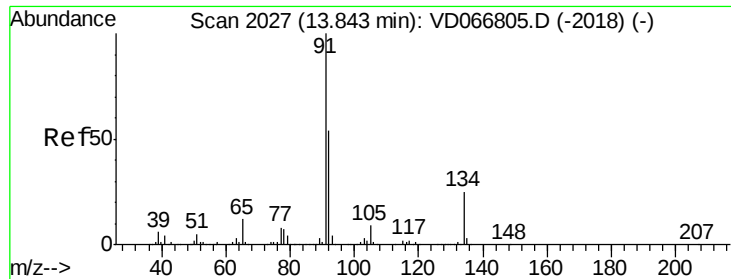
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#88
 1,4-Dichlorobenzene
 Concen: 53.008 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	382296		
111	39.1	20.2	60.5	
148	63.1	31.6	94.7	





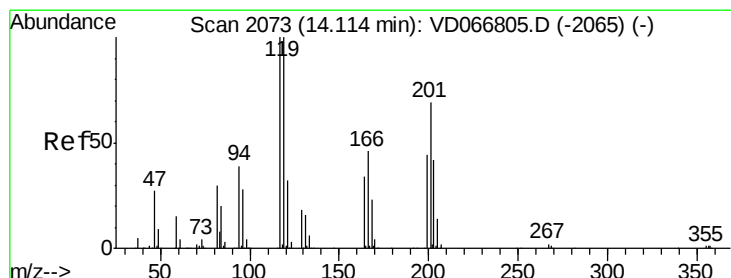
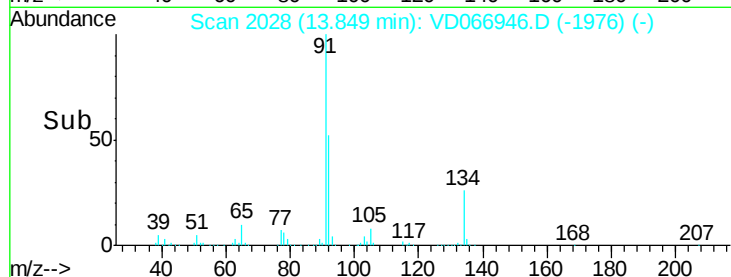
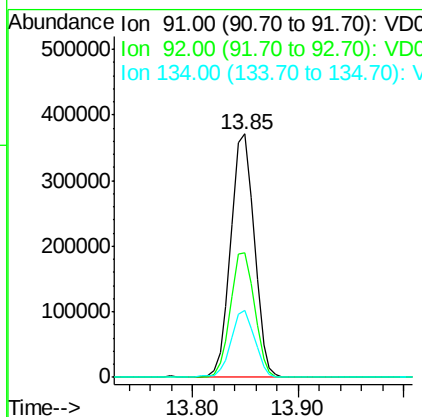
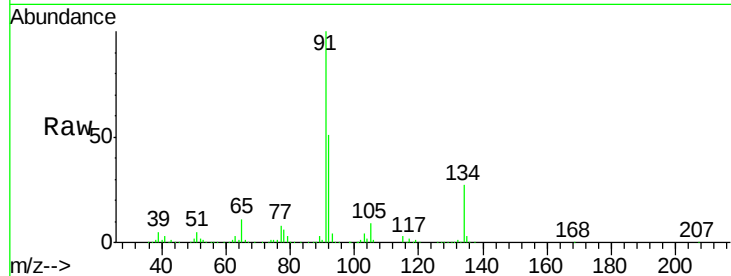
#89
n-Butylbenzene
Concen: 42.304 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.7	80.0
134	27.3	13.1	39.1

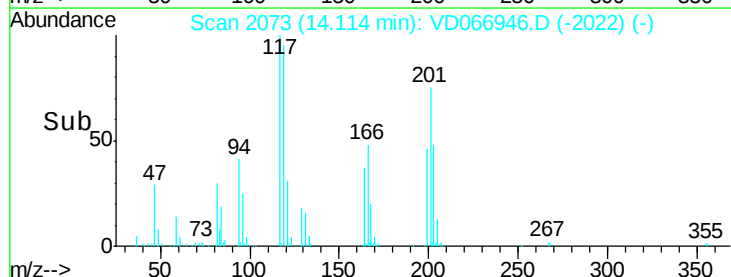
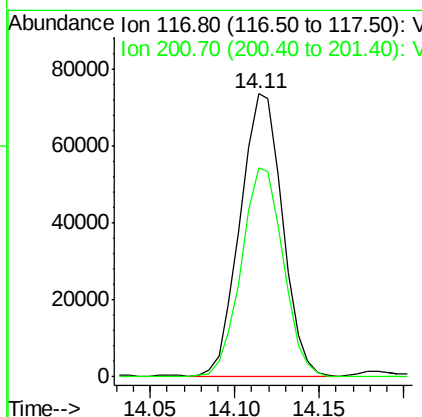
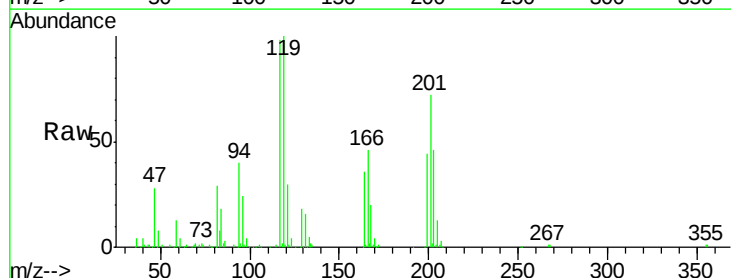
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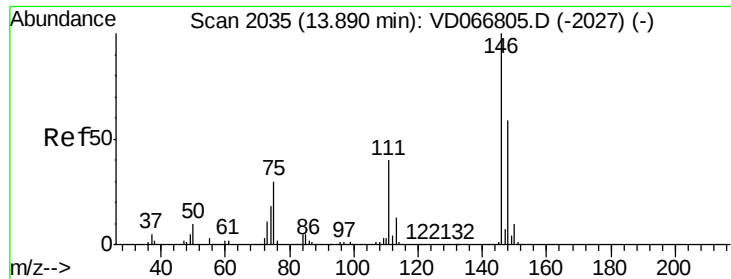
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#90
Hexachloroethane
Concen: 44.398 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.4	33.7	101.0





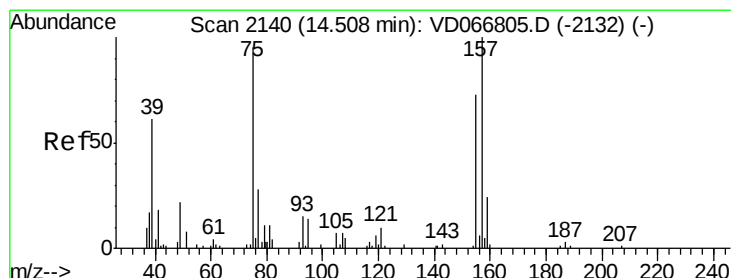
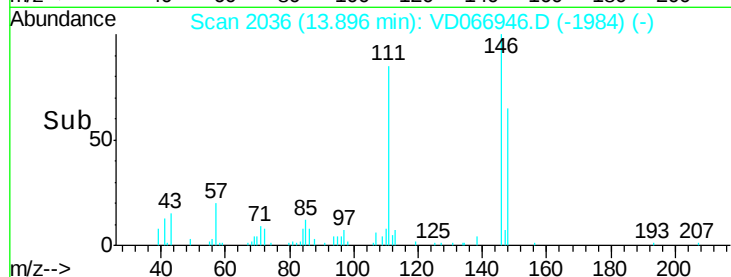
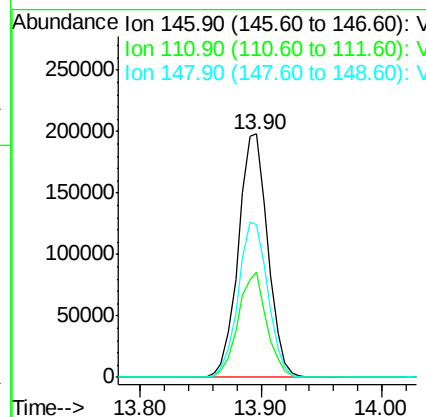
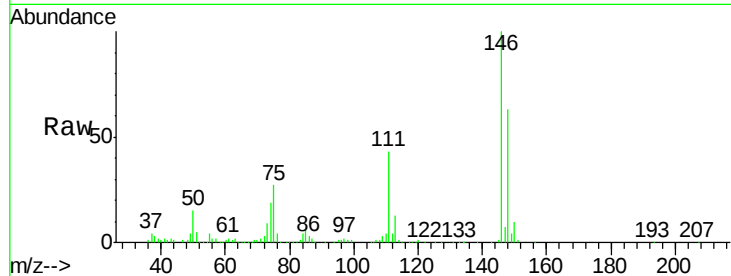
#91
 1,2-Dichlorobenzene
 Concen: 54.286 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.9	62.7
148	64.4	31.8	95.3

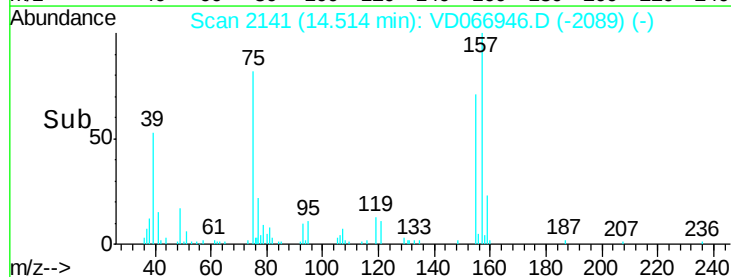
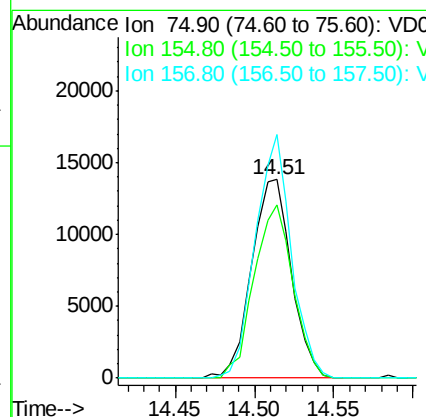
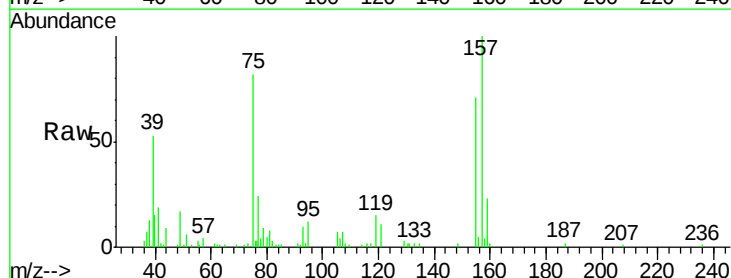
Manual Integrations
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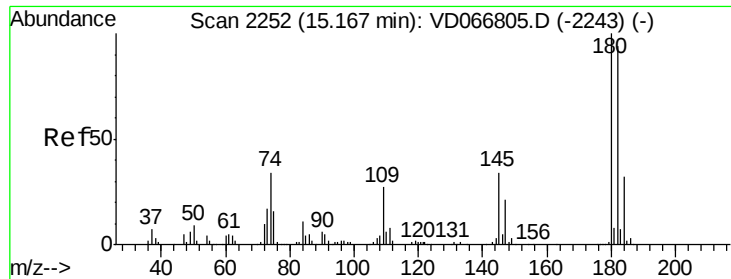
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.240 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	40.4	121.2
157	111.1	51.3	153.9





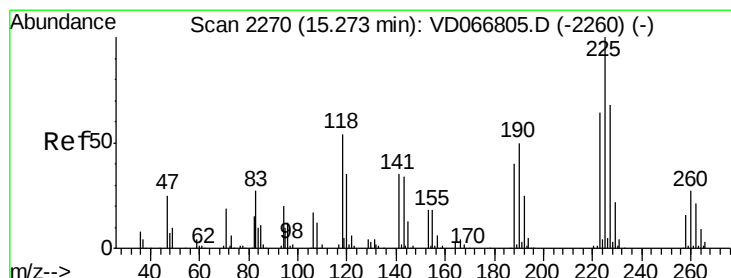
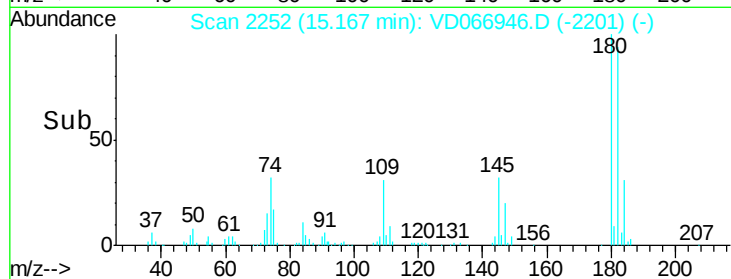
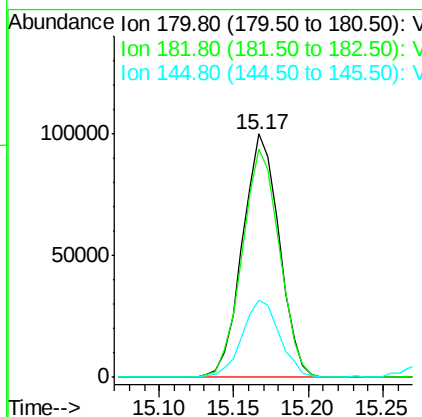
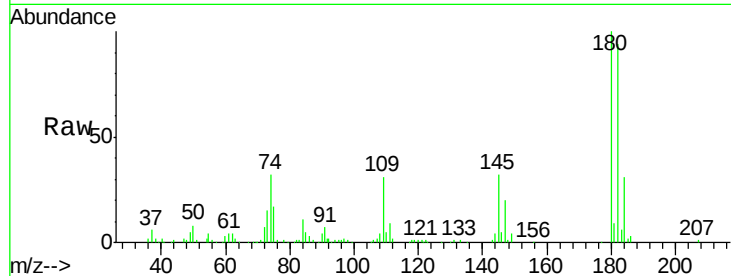
#93
 1,2,4-Trichlorobenzene
 Concen: 43.586 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	170457		
182	95.1	48.8	146.3	
145	32.8	16.7	50.0	

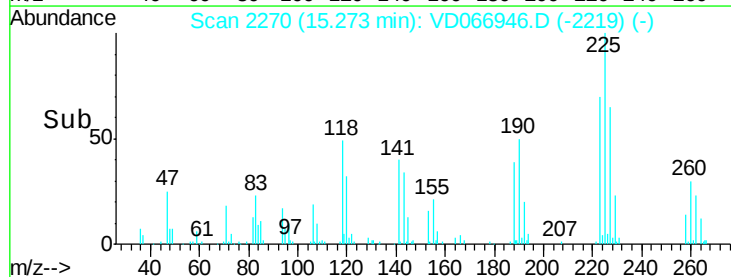
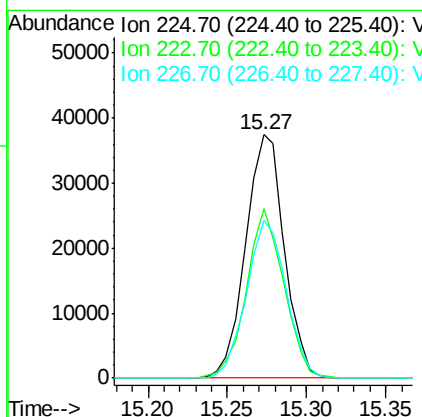
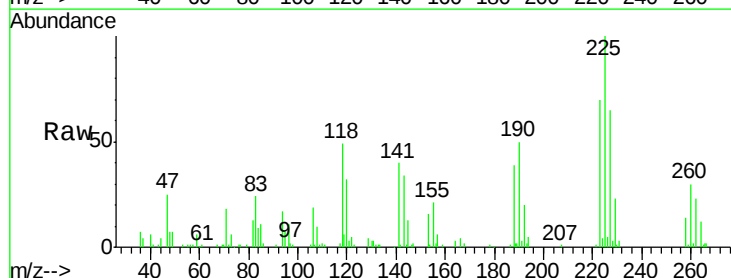
Manual Integrations
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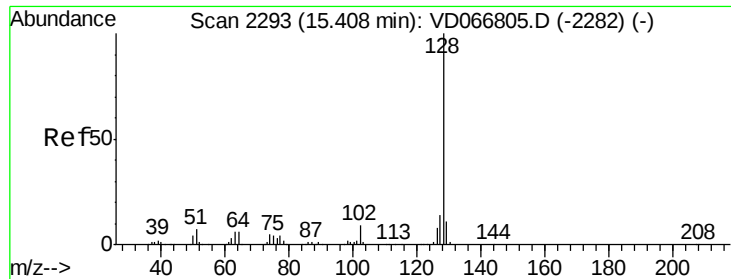
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#94
 Hexachlorobutadiene
 Concen: 27.036 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066946.D
 Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63359		
223	67.6	31.1	93.3	
227	66.8	31.7	95.1	





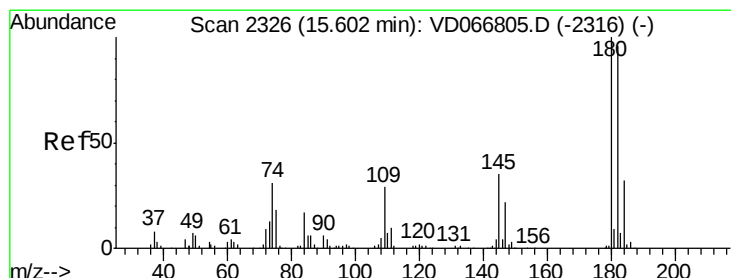
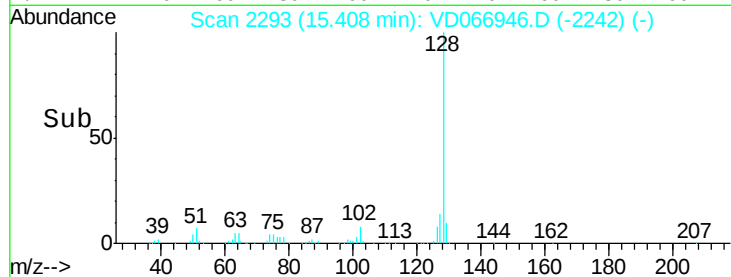
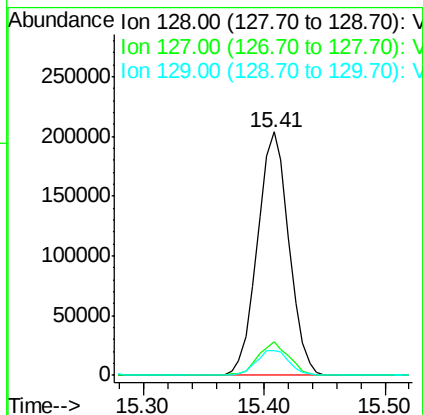
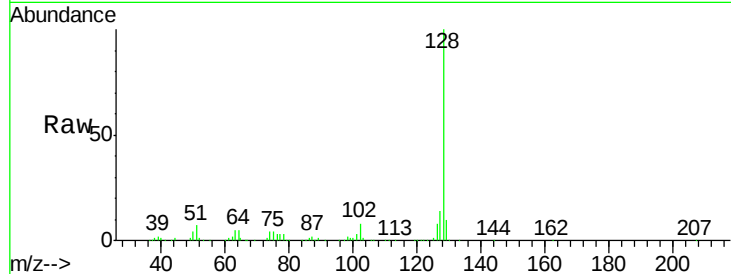
#95
Naphthalene
Concen: 55.353 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Instrument :
MSVOA_D
ClientSampleId :
B-11(1-2)MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	367525		
127	13.5	10.6	16.0	
129	10.8	8.9	13.3	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 43.565 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066946.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	147050		
182	96.0	46.8	140.3	
145	35.3	17.0	51.0	

