

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067094.D
 Acq On : 05 Oct 2020 20:04
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 12:55:14 PM

Quant Time: Oct 06 08:07:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	379119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	603016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	560480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	277070	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	194338	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
35) Dibromofluoromethane	7.91	113	217330	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
50) Toluene-d8	10.34	98	776961	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
62) 4-Bromofluorobenzene	12.63	95	272385	55.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	175318	58.262	ug/l	96
3) Chloromethane	2.21	50	146400	48.489	ug/l	96
4) Vinyl Chloride	2.35	62	149312	49.321	ug/l	99
5) Bromomethane	2.77	94	115391	59.999	ug/l	98
6) Chloroethane	2.93	64	96758	52.482	ug/l	100
7) Trichlorofluoromethane	3.27	101	331126	49.230	ug/l	95
8) Diethyl Ether	3.71	74	90230	54.097	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	192345	50.595	ug/l	98
10) Methyl Iodide	4.30	142	193786	52.461	ug/l	99
11) Tert butyl alcohol	5.21	59	47539	215.412	ug/l	100
12) 1,1-Dichloroethene	4.07	96	181931	50.906	ug/l	91
13) Acrolein	3.93	56	59011	241.340	ug/l	98
14) Allyl chloride	4.71	41	243547	52.457	ug/l	99
15) Acrylonitrile	5.43	53	169124	275.504	ug/l	97
16) Acetone	4.16	43	141044	253.026	ug/l	98
17) Carbon Disulfide	4.41	76	560763	51.128	ug/l	99
18) Methyl Acetate	4.72	43	77692	55.454	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	376079	57.644	ug/l	97
20) Methylene Chloride	4.97	84	225220	58.117	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	220031	54.099	ug/l	94
22) Diisopropyl ether	6.37	45	461263	54.420	ug/l	99
23) Vinyl Acetate	6.30	43	1356339	282.392	ug/l	99
24) 1,1-Dichloroethane	6.27	63	351083	53.671	ug/l	98
25) 2-Butanone	7.21	43	200385	253.554	ug/l	98
26) 2,2-Dichloropropane	7.21	77	294965	52.979	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	246057	56.646	ug/l	97
28) Bromochloromethane	7.55	49	139923	55.389	ug/l	94
29) Tetrahydrofuran	7.56	42	122041	268.566	ug/l	95
30) Chloroform	7.71	83	388789	54.790	ug/l	93
31) Cyclohexane	7.98	56	257894	47.026	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	349943	53.213	ug/l	98
36) 1,1-Dichloropropene	8.11	75	282936	50.338	ug/l	98
37) Ethyl Acetate	7.29	43	101612	52.184	ug/l	95
38) Carbon Tetrachloride	8.10	117	324749	53.399	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	313225	52.709	ug/l	96
40) Benzene	8.35	78	838956	53.738	ug/l	100
41) Methacrylonitrile	7.53	41	47617	45.265	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	231429	53.050	ug/l	99
43) Isopropyl Acetate	8.45	43	189670	52.875	ug/l	98
44) Trichloroethene	9.11	130	251619	53.974	ug/l	98
45) 1,2-Dichloropropane	9.38	63	201297	54.876	ug/l	100
46) Dibromomethane	9.47	93	117347	55.659	ug/l	98
47) Bromodichloromethane	9.66	83	305288	55.705	ug/l	95
48) Methyl methacrylate	9.46	41	90327	49.151	ug/l #	81
49) 1,4-Dioxane	9.46	88	21671	984.861	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	479732	268.494	ug/l	98
52) Toluene	10.40	92	550317	54.721	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	274605	56.064	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	325498	54.421	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	160937	54.905	ug/l	93
56) Ethyl methacrylate	10.66	69	178328	58.926	ug/l	97
57) 1,3-Dichloropropane	10.94	76	265275	55.809	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	480951	285.536	ug/l	99
59) 2-Hexanone	10.98	43	322696	270.593	ug/l	96
60) Dibromochloromethane	11.14	129	218709	55.982	ug/l	96
61) 1,2-Dibromoethane	11.24	107	157718	56.006	ug/l	97
64) Tetrachloroethene	10.87	164	214295	52.592	ug/l	94
65) Chlorobenzene	11.67	112	606887	54.443	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	237455	56.000	ug/l	97
67) Ethyl Benzene	11.74	91	1051979	55.078	ug/l	99
68) m/p-Xylenes	11.86	106	815165	109.515	ug/l	100
69) o-Xylene	12.18	106	375849	56.465	ug/l	97
70) Styrene	12.20	104	651853	57.031	ug/l	100
71) Bromoform	12.36	173	122061	55.456	ug/l #	99
73) Isopropylbenzene	12.48	105	1034664	54.996	ug/l	100
74) N-amyl acetate	12.29	43	176700	52.247	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	161998	51.107	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	107054m	44.359	ug/l	
77) Bromobenzene	12.76	156	247143	54.404	ug/l	98
78) n-propylbenzene	12.82	91	1183758	53.240	ug/l	98
79) 2-Chlorotoluene	12.91	91	682158	53.624	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	885706	55.722	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	49669	51.310	ug/l	97
82) 4-Chlorotoluene	13.01	91	722970	53.416	ug/l	99
83) tert-Butylbenzene	13.23	119	734033	54.839	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	883186	55.677	ug/l	99
85) sec-Butylbenzene	13.40	105	1025501	54.404	ug/l	100
86) p-Isopropyltoluene	13.52	119	951446	54.443	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	471523	53.289	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	464925	52.549	ug/l	100
89) n-Butylbenzene	13.85	91	843702	52.826	ug/l	99
90) Hexachloroethane	14.11	117	159057	51.959	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	410654	53.140	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24679	48.299	ug/l	85

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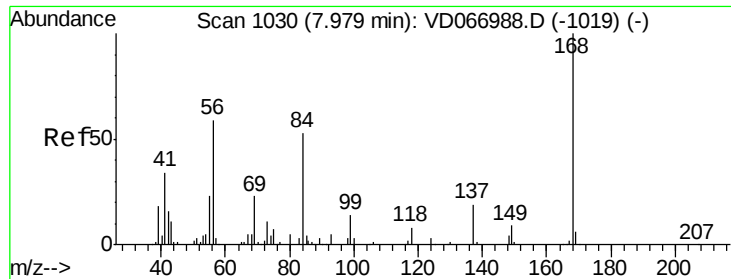
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	277977	55.612	ug/l	99
94) Hexachlorobutadiene	15.28	225	163649	53.310	ug/l	98
95) Naphthalene	15.41	128	483457	57.987	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	243172	56.041	ug/l	98

(#) = 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: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 379119

Ion Ratio Lower Upper

168 100

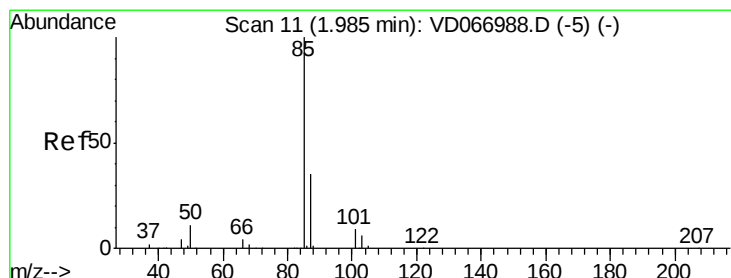
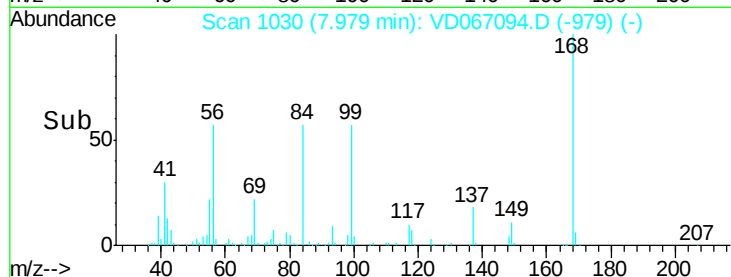
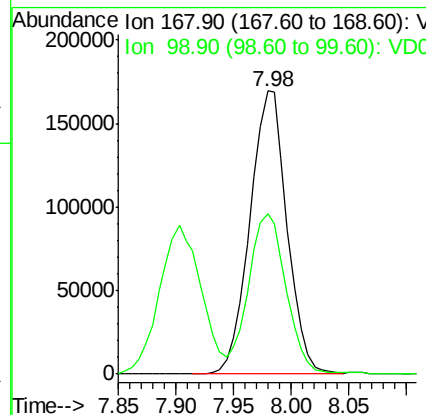
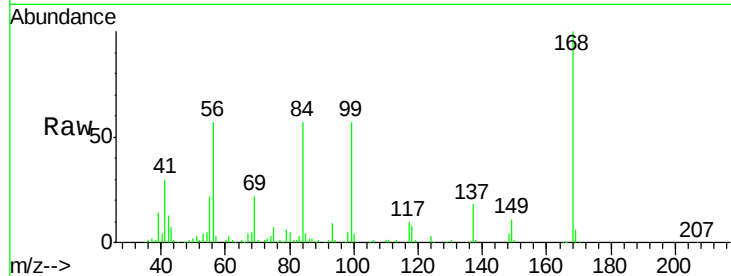
99 56.2 44.1 66.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 58.262 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067094.D

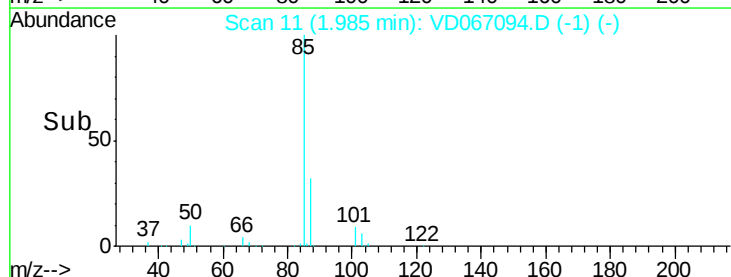
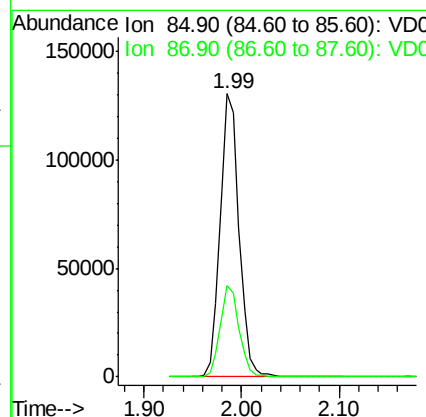
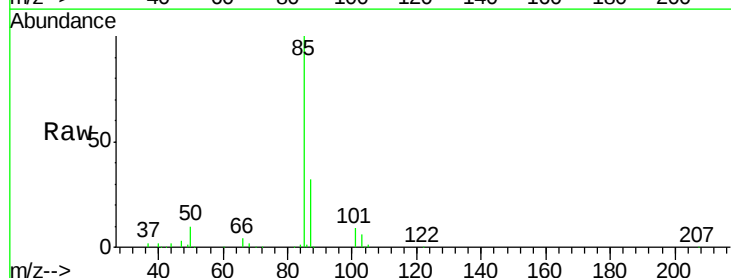
Acq: 05 Oct 2020 20:04

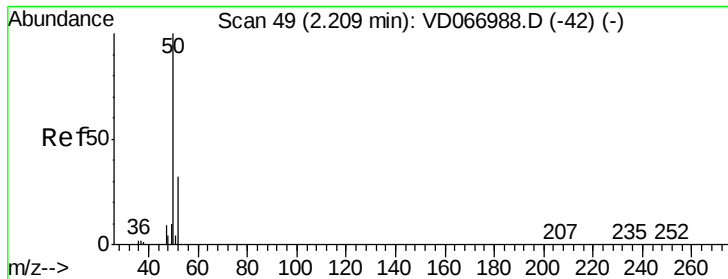
Tgt Ion: 85 Resp: 175318

Ion Ratio Lower Upper

85 100

87 32.2 17.3 52.0





#3

Chloromethane

Concen: 48.489 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 146400

Ion Ratio Lower Upper

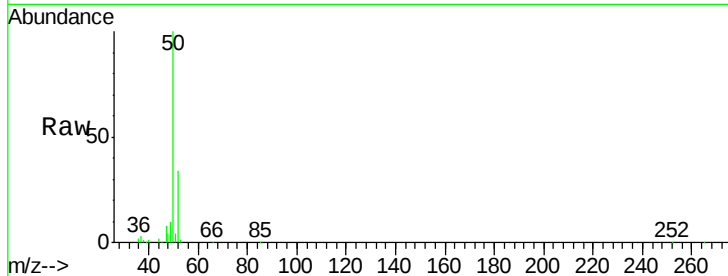
50 100

52 33.8 25.3 37.9

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

120000

100000

80000

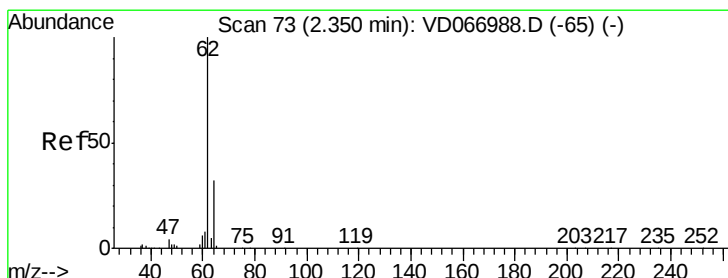
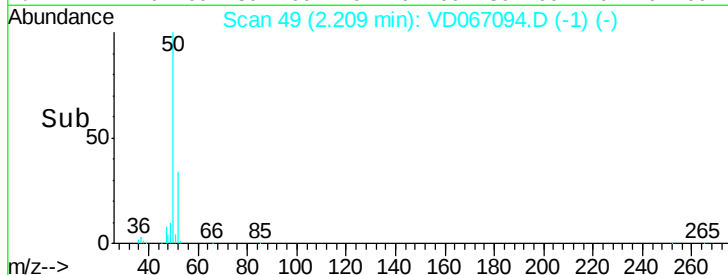
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 49.321 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067094.D

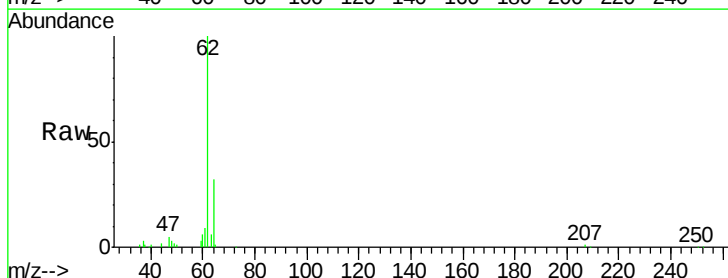
Acq: 05 Oct 2020 20:04

Tgt Ion: 62 Resp: 149312

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

100000

80000

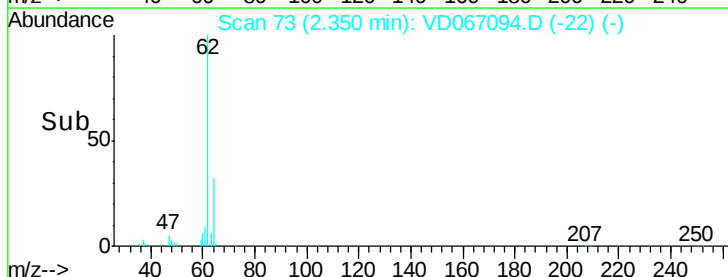
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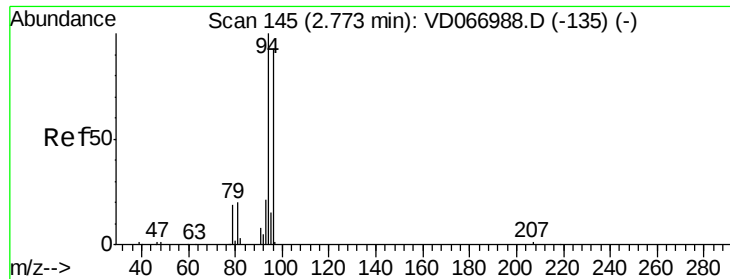
40000

20000

0

Time-->





#5

Bromomethane

Concen: 59.999 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 115391

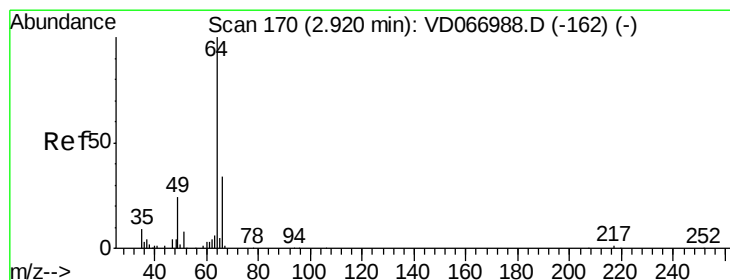
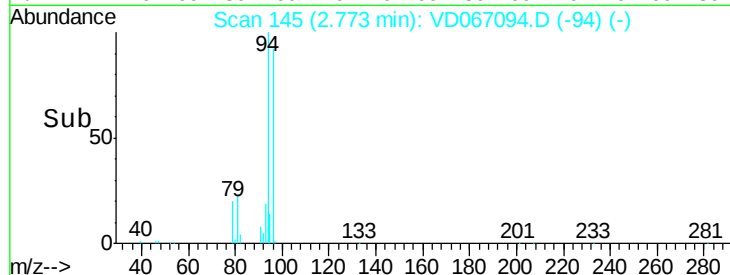
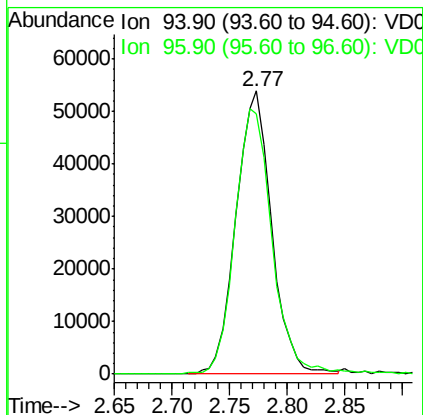
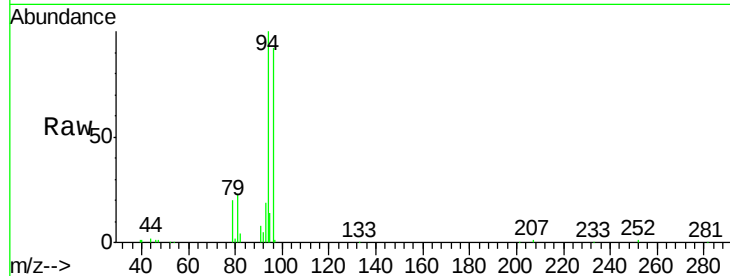
Ion Ratio Lower Upper

94 100

96 91.5 74.6 112.0

Manual Integrations
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#6

Chloroethane

Concen: 52.482 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067094.D

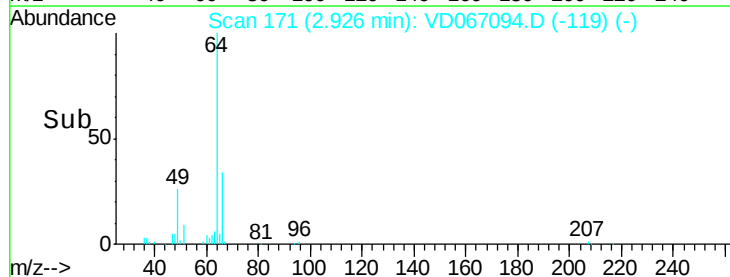
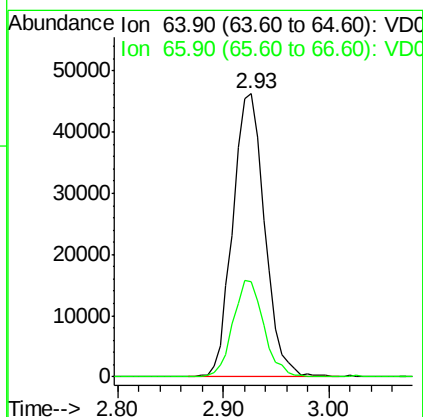
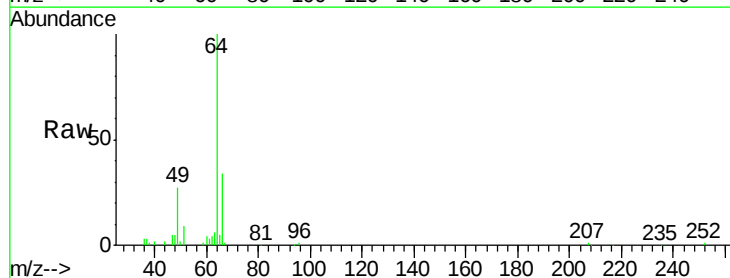
Acq: 05 Oct 2020 20:04

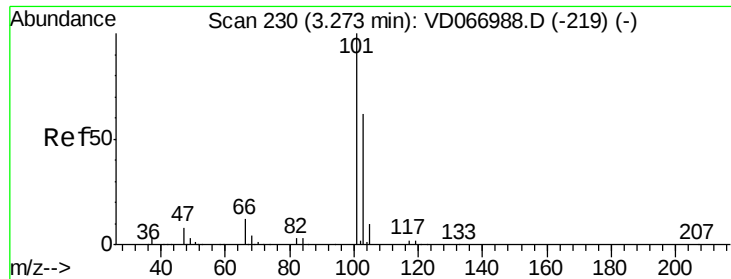
Tgt Ion: 64 Resp: 96758

Ion Ratio Lower Upper

64 100

66 33.6 27.0 40.6





#7

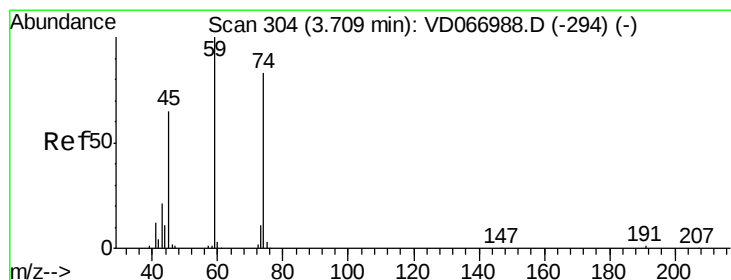
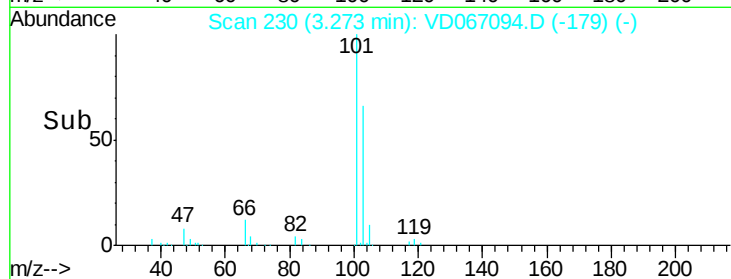
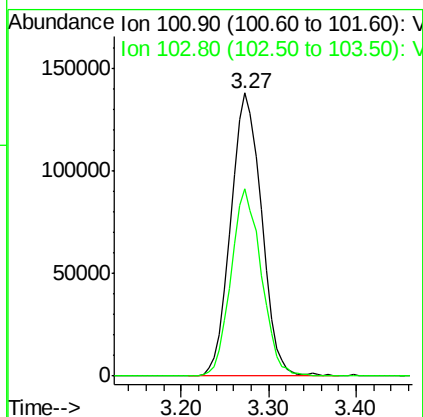
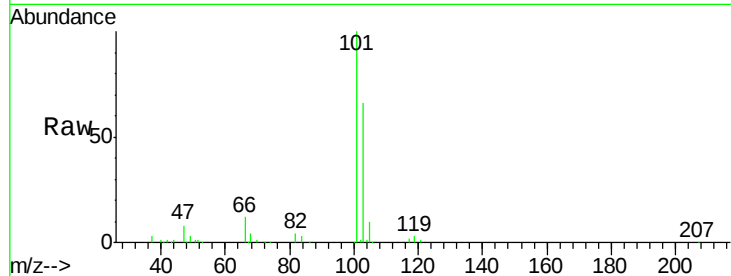
Trichlorofluoromethane
Concen: 49.230 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	49.8	74.8

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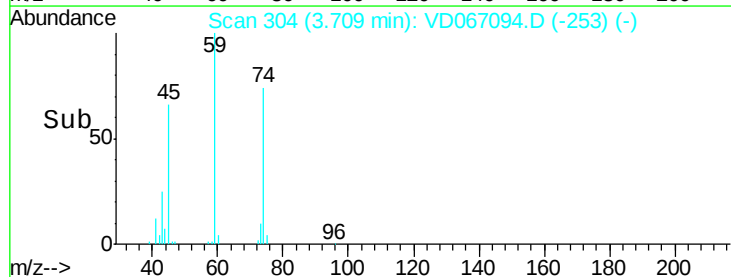
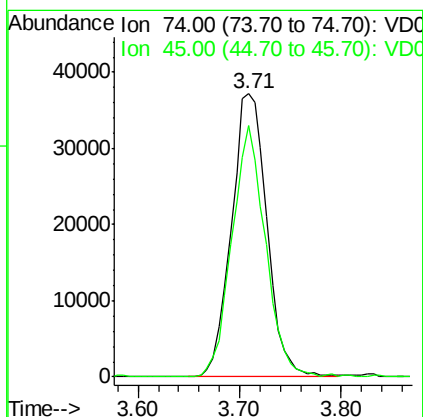
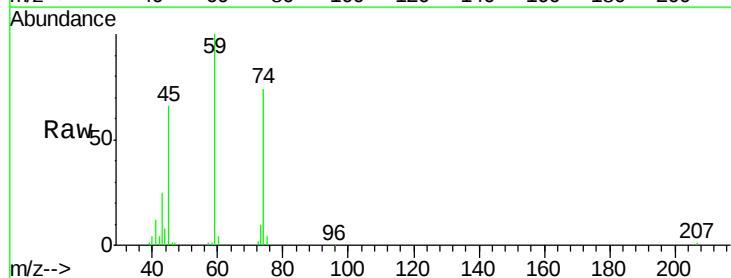
MMDadoda
10/6/2020 12:55:14 PM

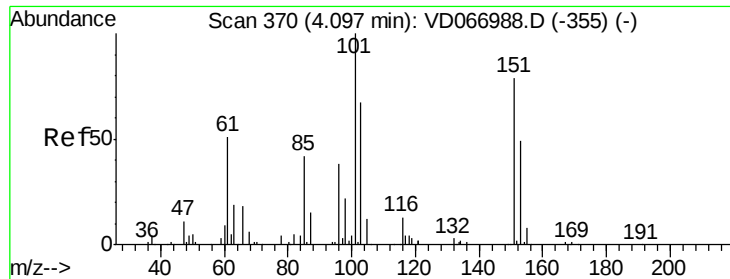


#8

Diethyl Ether
Concen: 54.097 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.6	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.595 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

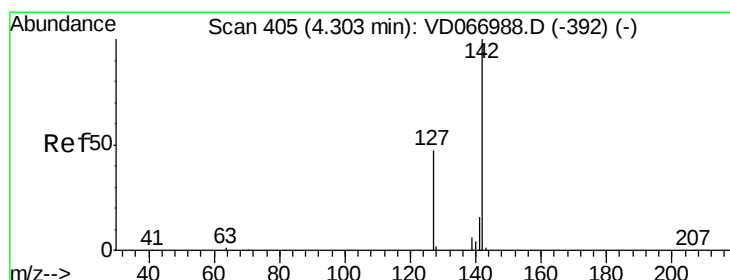
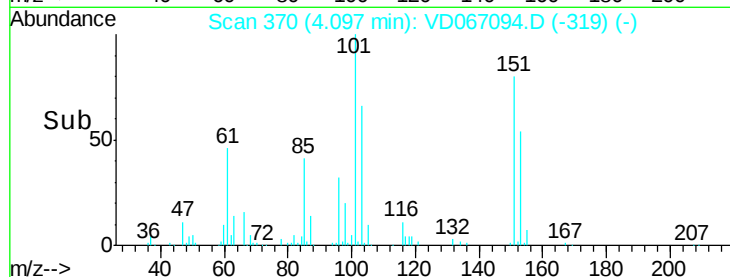
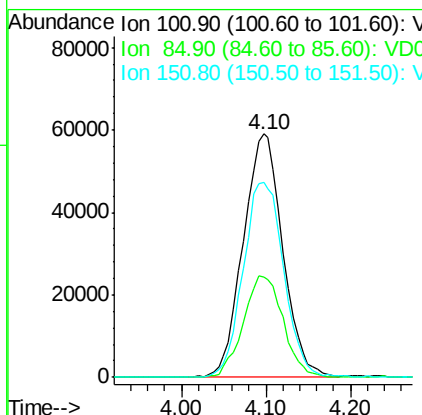
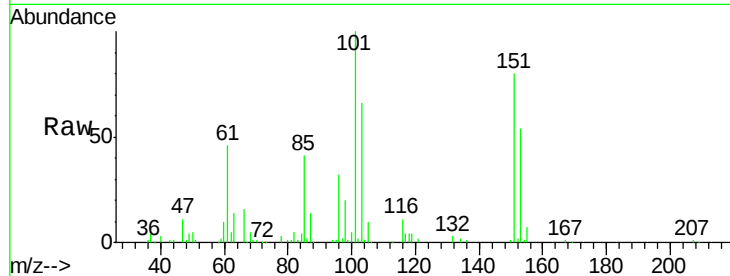
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	192345
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.8	50.8
151	82.2	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 52.461 ug/l

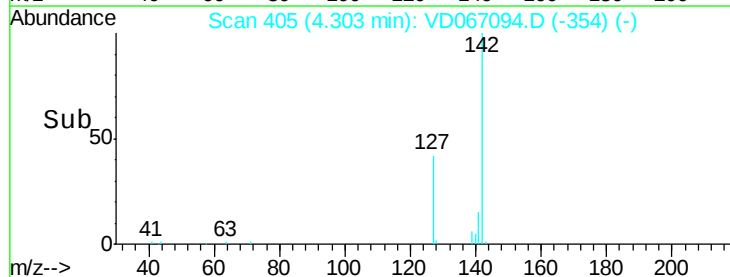
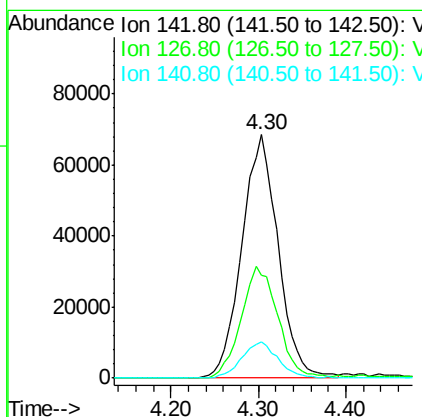
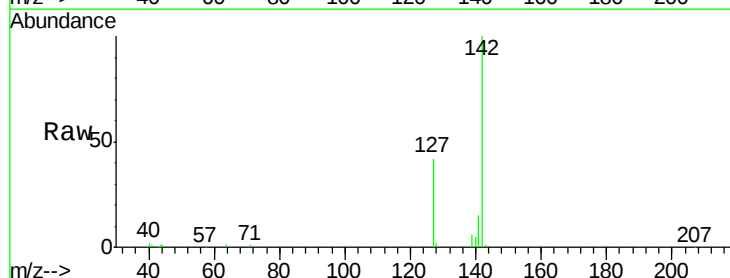
RT: 4.30 min Scan# 405

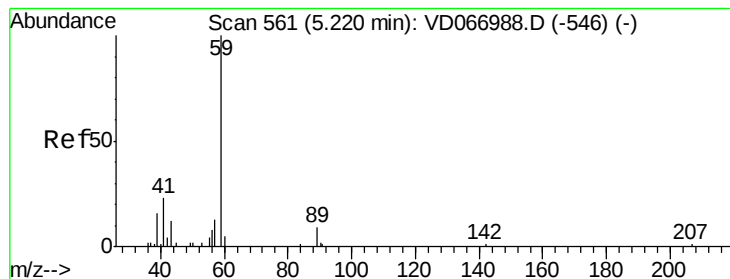
Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Tgt Ion:	142	Resp:	193786
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.3	54.5
141	14.8	12.0	18.0





#11

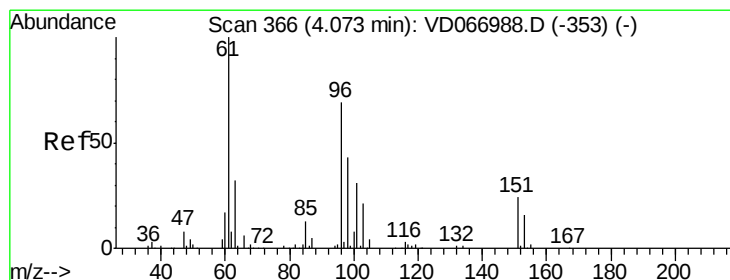
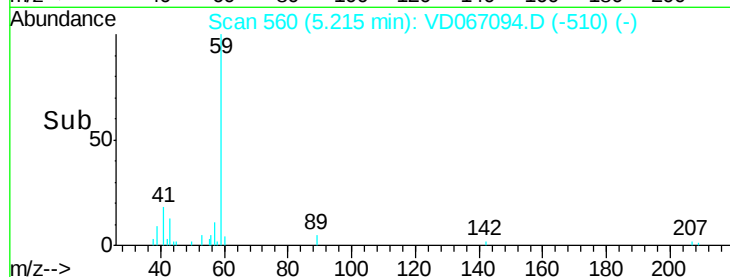
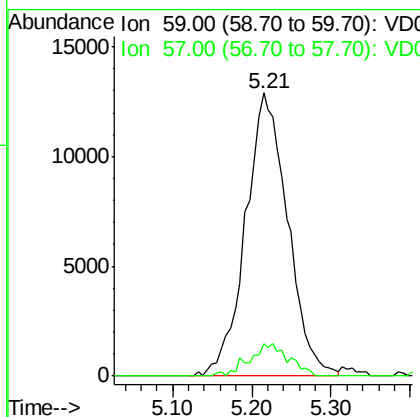
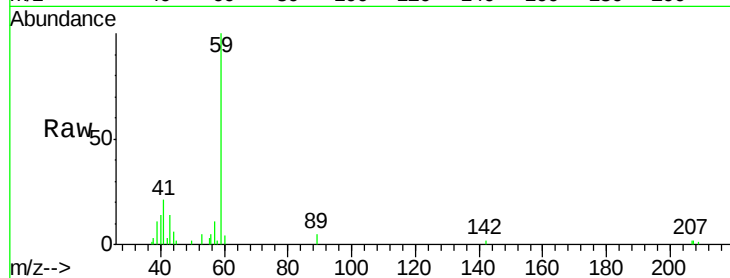
Tert butyl alcohol
 Concen: 215.412 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.4

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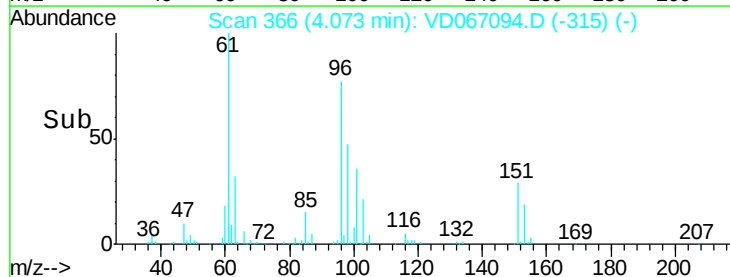
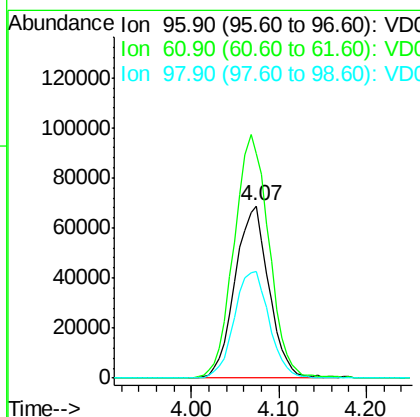
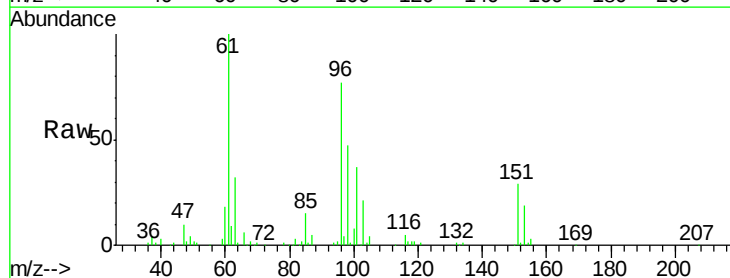
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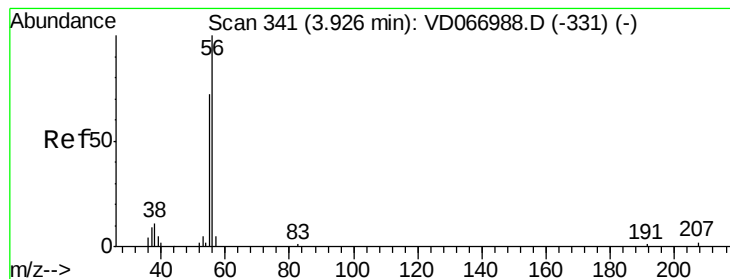


#12

1,1-Dichloroethene
 Concen: 50.906 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.7	116.4	174.6
98	61.8	49.9	74.9





#13

Acrolein

Concen: 241.340 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 59011

Ion Ratio Lower Upper

56 100

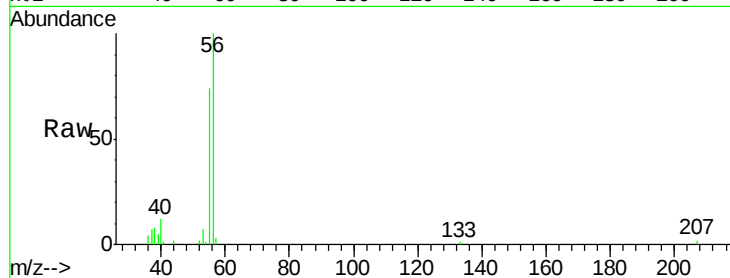
55 69.3 56.9 85.3

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

15000

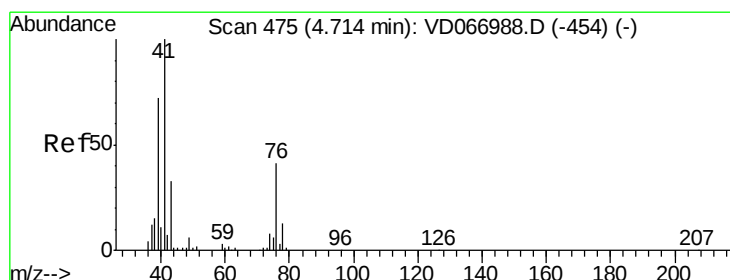
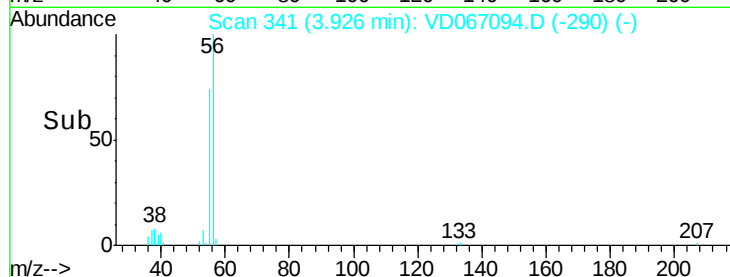
10000

5000

0

3.80 3.90 4.00 4.10

Time-->



#14

Allyl chloride

Concen: 52.457 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

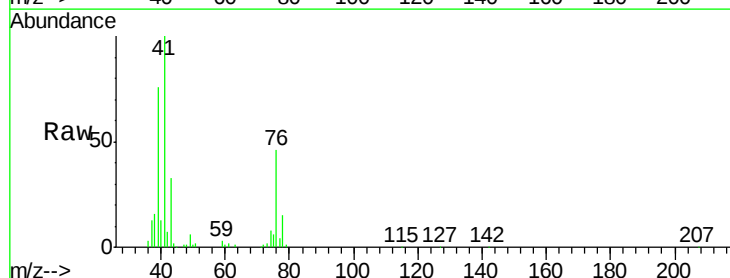
Tgt Ion: 41 Resp: 243547

Ion Ratio Lower Upper

41 100

39 71.2 56.2 84.2

76 43.9 34.2 51.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

100000

80000

60000

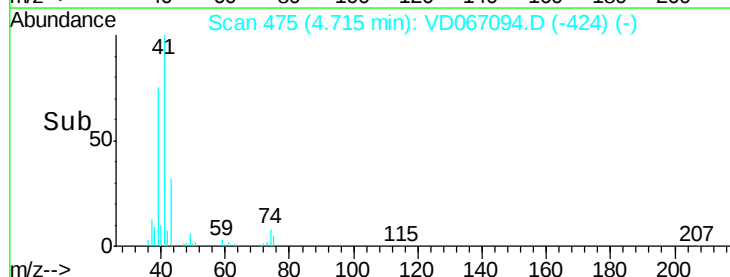
40000

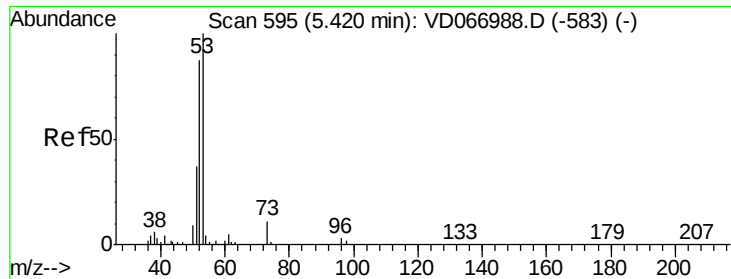
20000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 275.504 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

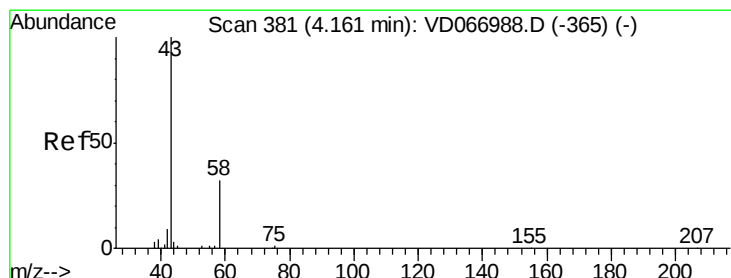
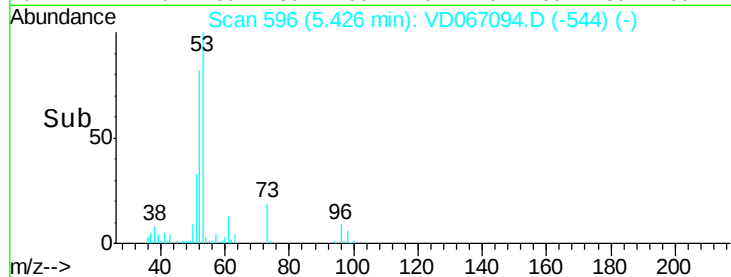
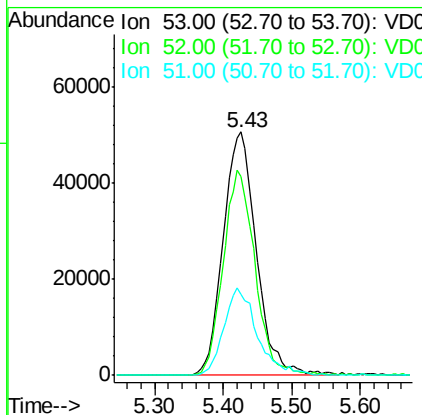
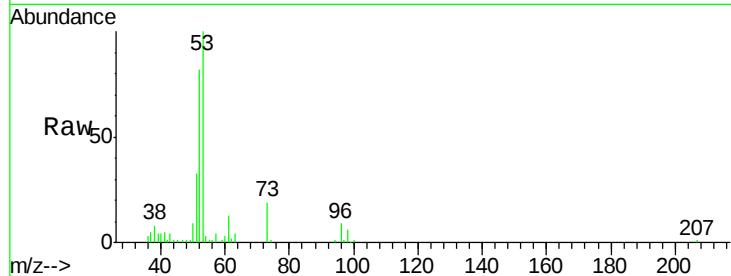
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	169124
Ion	Ratio	Lower	Upper
53	100		
52	80.8	67.3	100.9
51	36.1	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 253.026 ug/l

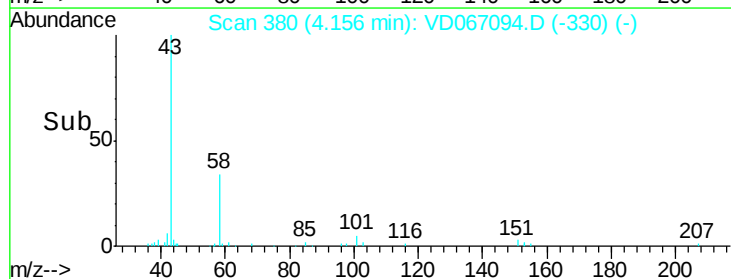
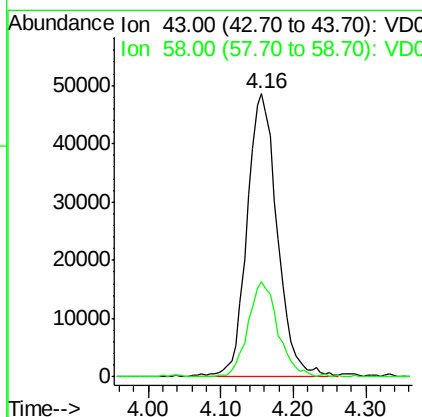
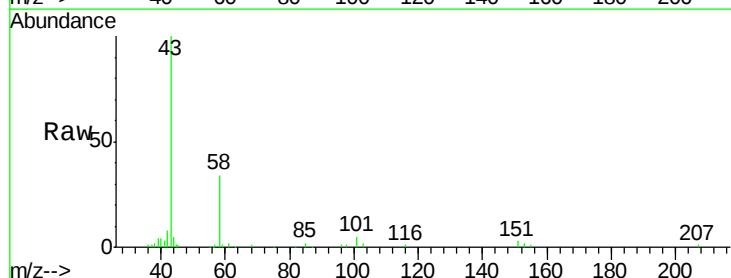
RT: 4.16 min Scan# 380

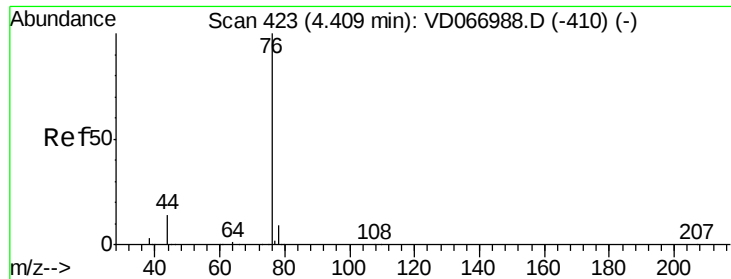
Delta R.T. -0.01 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Tgt Ion:	43	Resp:	141044
Ion	Ratio	Lower	Upper
43	100		
58	33.7	25.9	38.9





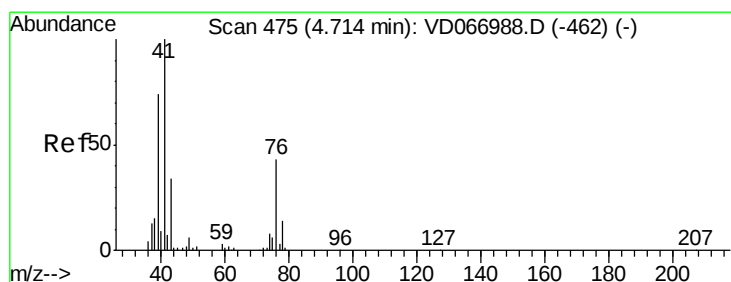
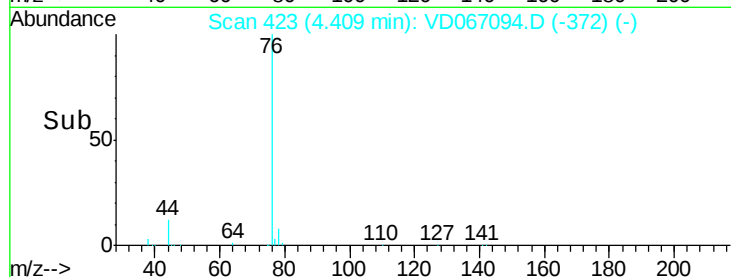
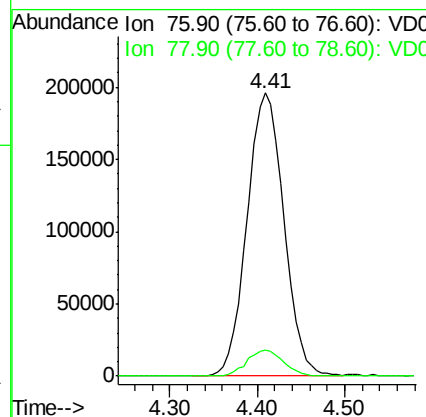
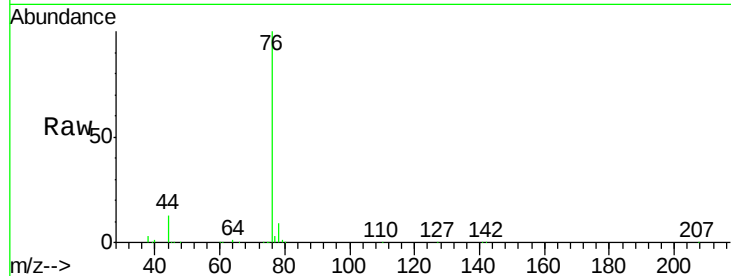
#17
Carbon Disulfide
Concen: 51.128 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

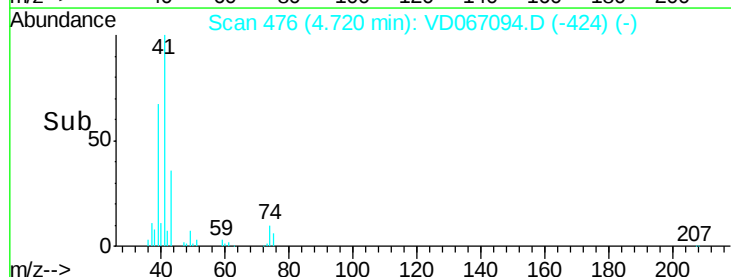
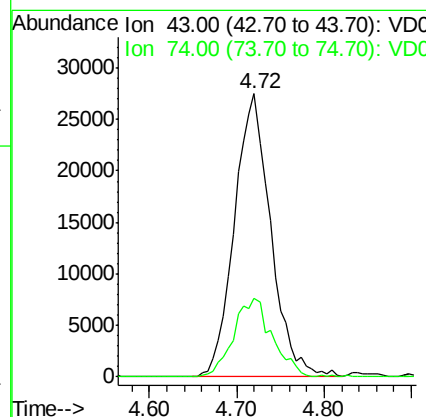
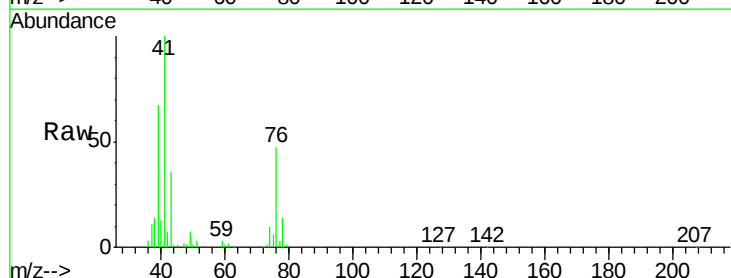
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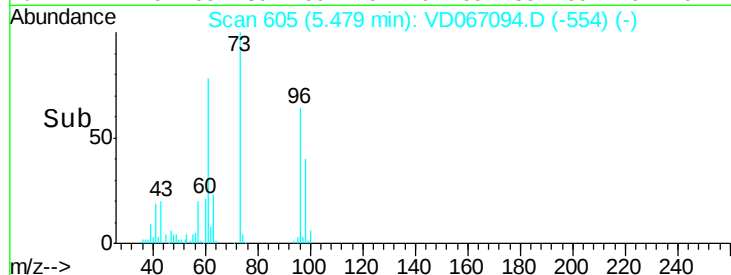
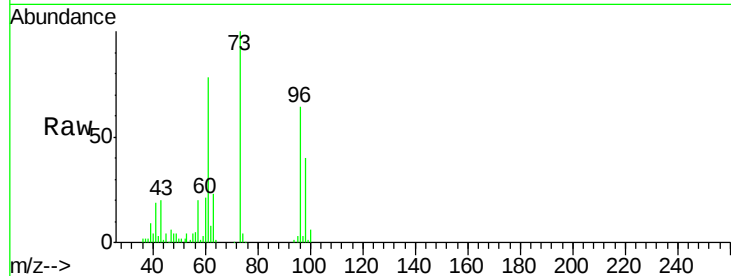
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#18
Methyl Acetate
Concen: 55.454 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.3	21.5	32.3





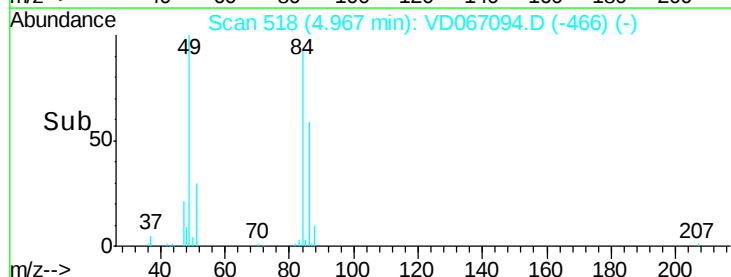
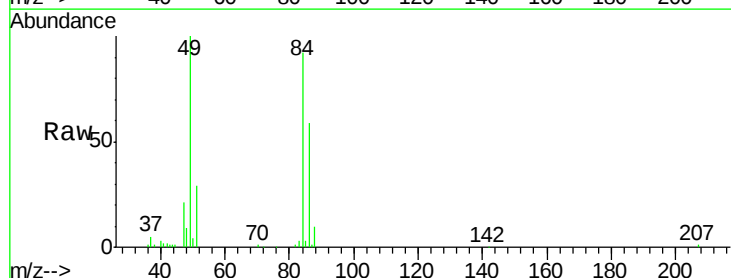
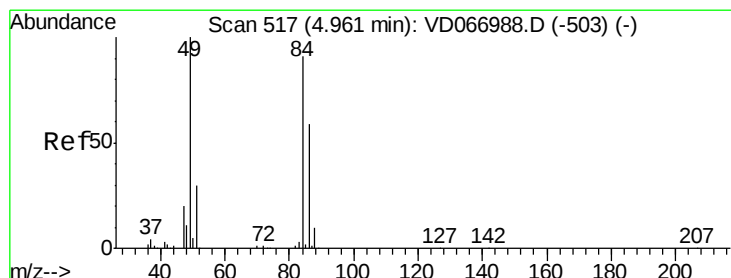
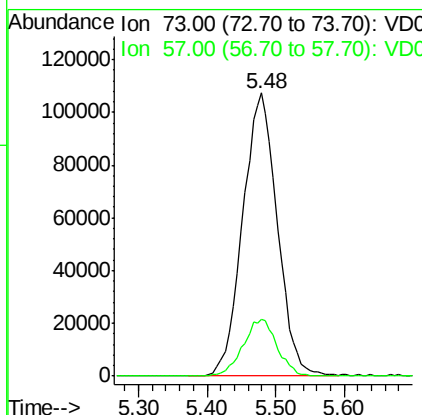
#19
Methvl tert-butvl Ether
Concen: 57.644 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tot Ion: 73 Resp: 376079
Ion Ratio Lower Upper
73 100
57 20.3 17.4 26.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

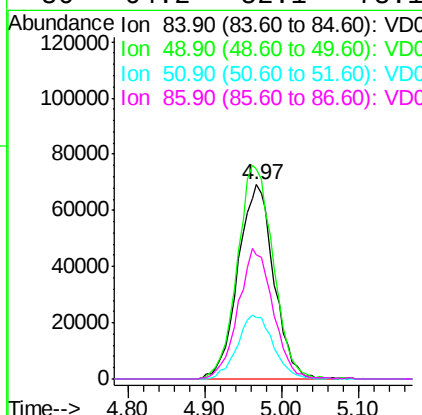
Manual Integrations
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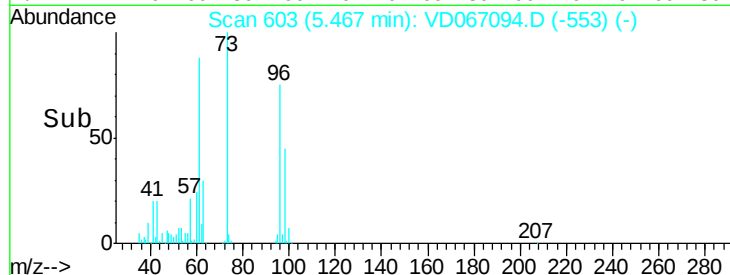
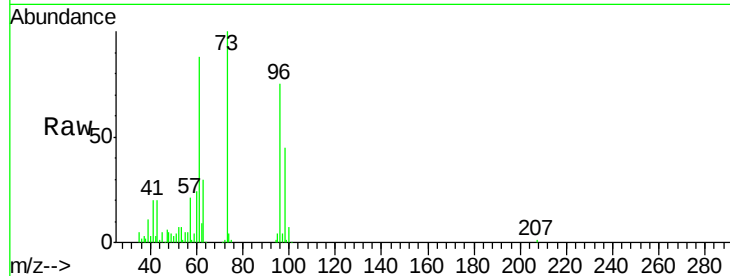
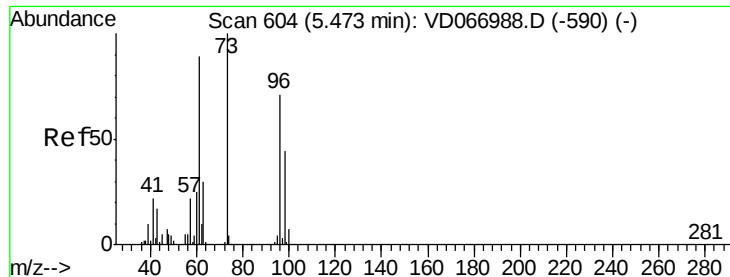
MMDadoda
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#20
Methylene Chloride
Concen: 58.117 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion: 84 Resp: 225220
Ion Ratio Lower Upper
84 100
49 108.3 88.2 132.2
51 31.9 26.6 39.8
86 64.2 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 54.099 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067094.D

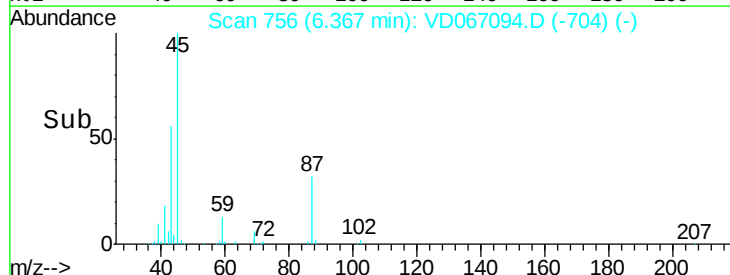
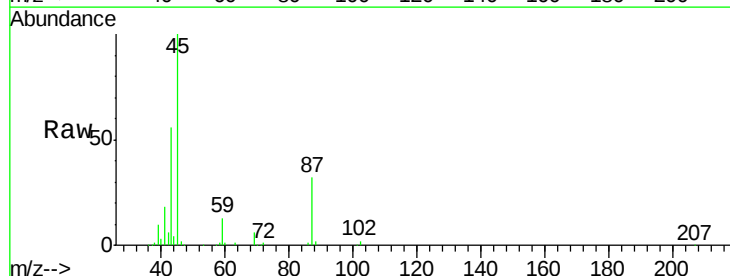
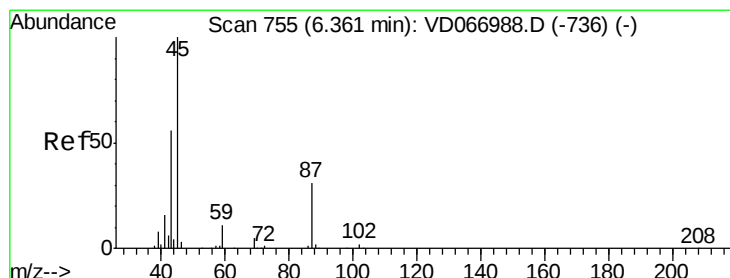
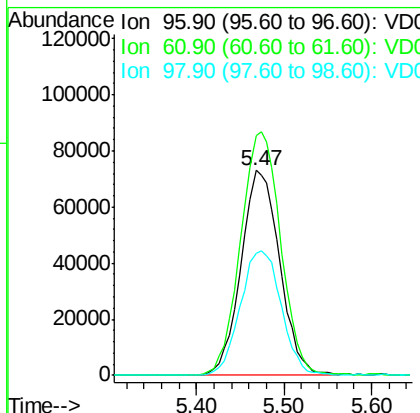
Acq: 05 Oct 2020 20:04

Tot Ion:	96	Resp:	220031
Ion Ratio	Lower	Upper	
96	100		
61	116.7	99.6	149.4
98	59.4	49.4	74.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.420 ug/l

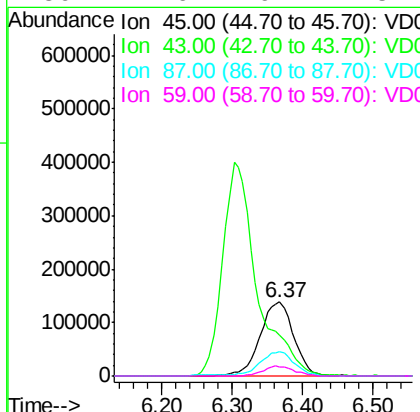
RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Tgt Ion:	45	Resp:	461263
Ion Ratio	Lower	Upper	
45	100		
43	55.7	45.2	67.8
87	32.0	25.6	38.4
59	12.6	9.1	13.7





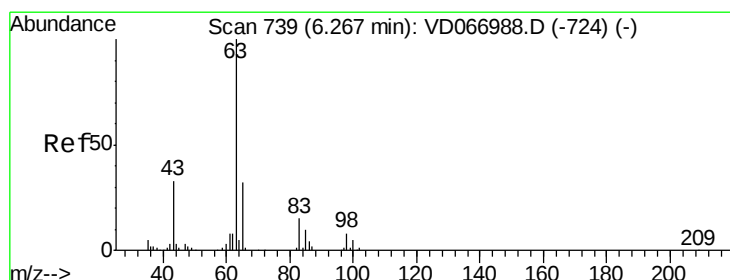
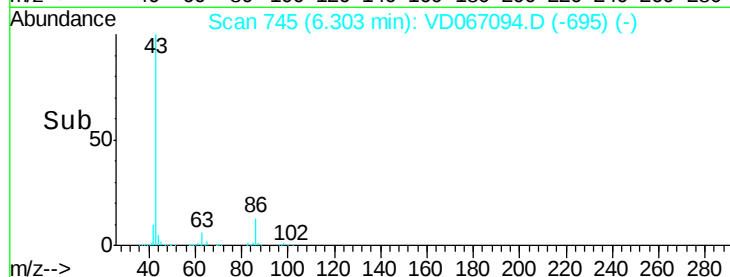
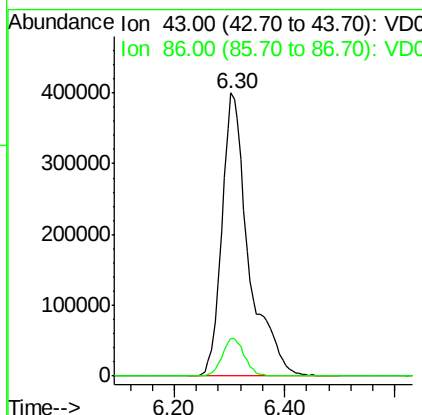
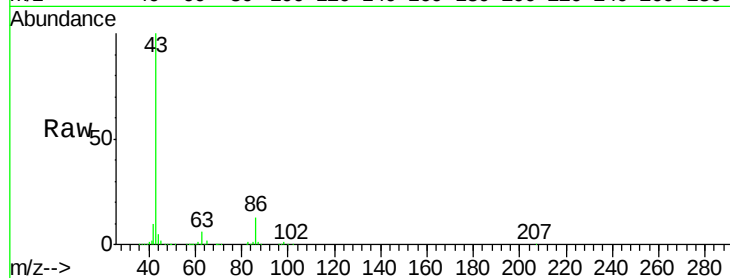
#23
 Vinyl Acetate
 Concen: 282.392 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1356339
 Ion Ratio Lower Upper
 43 100
 86 13.3 10.2 15.2

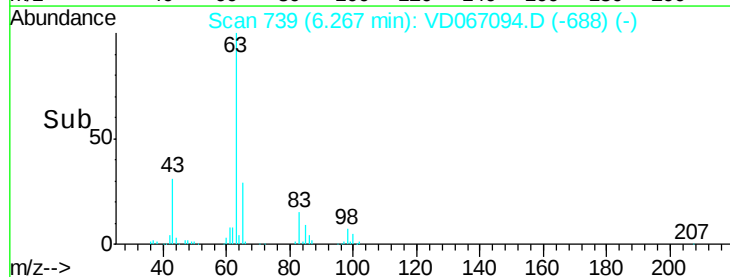
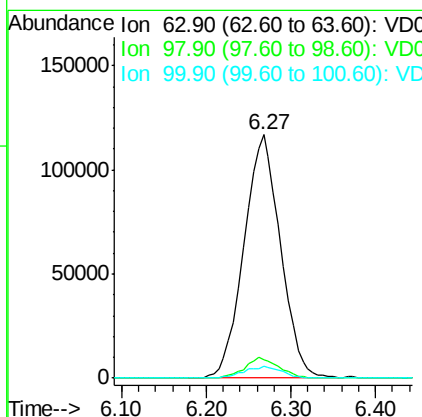
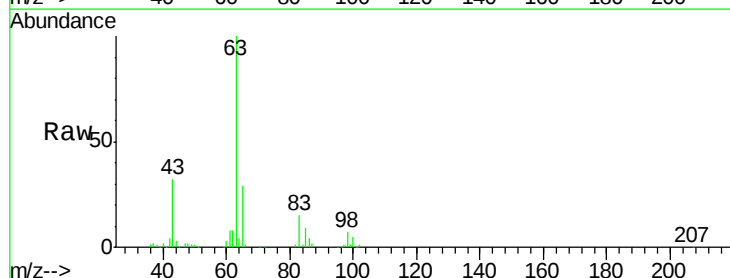
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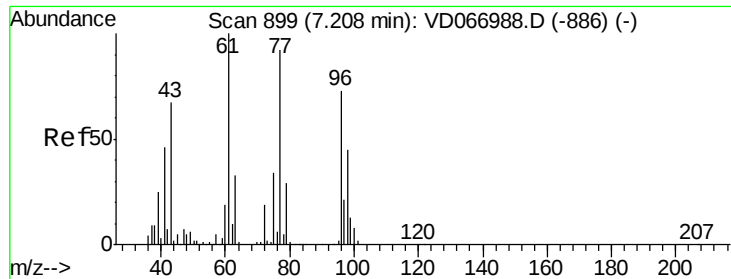
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 53.671 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Tgt Ion: 63 Resp: 351083
 Ion Ratio Lower Upper
 63 100
 98 7.4 4.2 12.6
 100 5.1 2.6 7.8





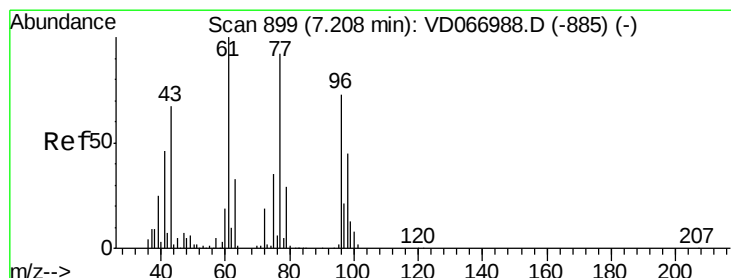
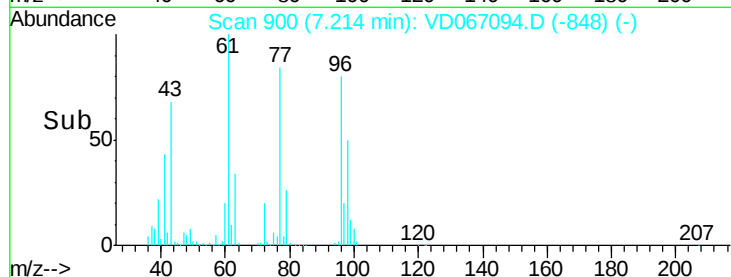
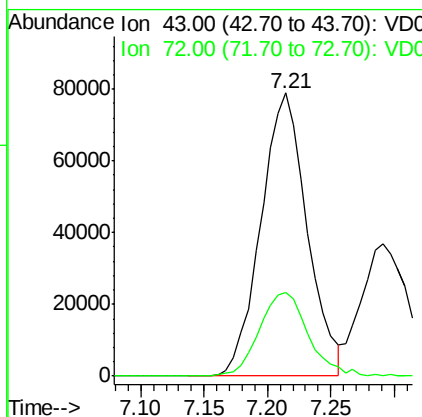
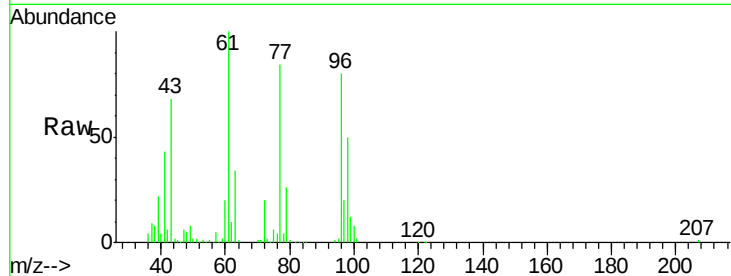
#25
2-Butanone
Concen: 253.554 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 200385
Ion Ratio Lower Upper
43 100
72 29.6 22.8 34.2

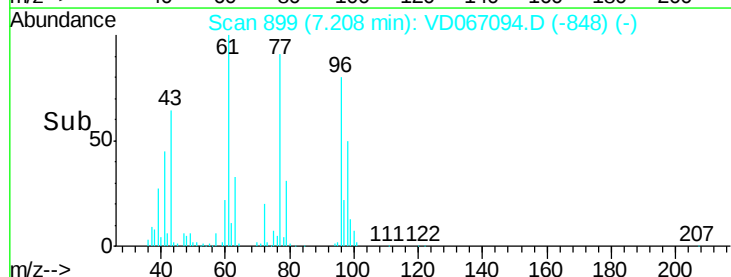
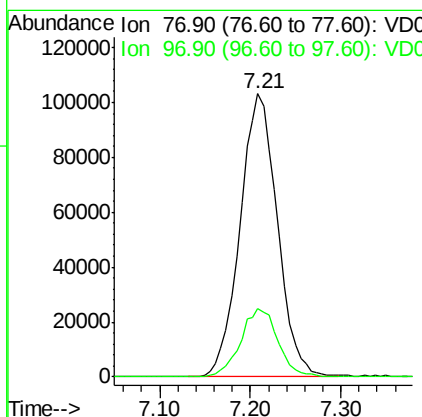
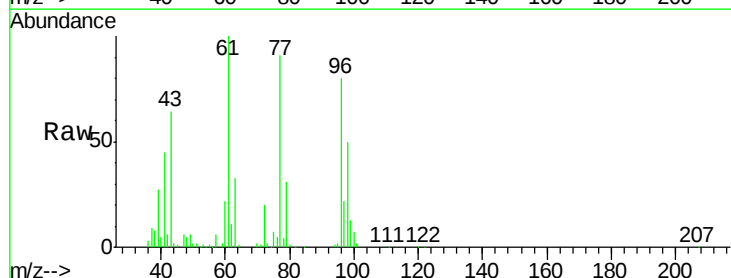
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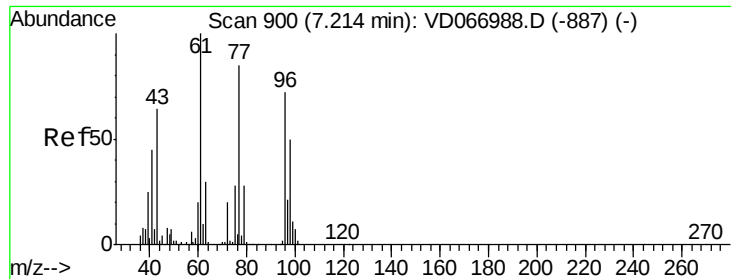
MMDadoda
10/6/2020 12:55:14 PM



#26
2,2-Dichloropropane
Concen: 52.979 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion: 77 Resp: 294965
Ion Ratio Lower Upper
77 100
97 23.9 11.4 34.2





#27

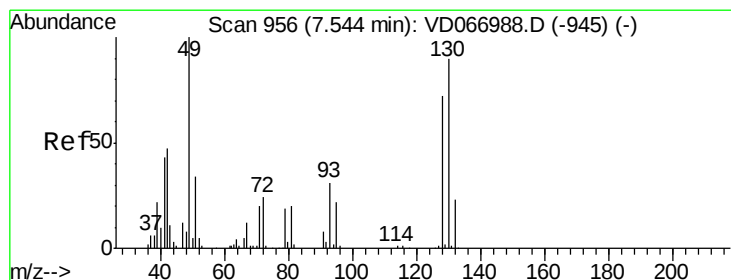
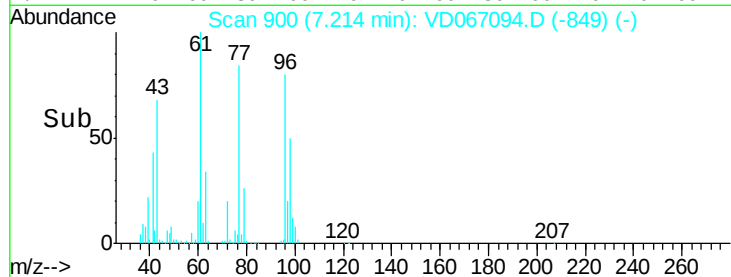
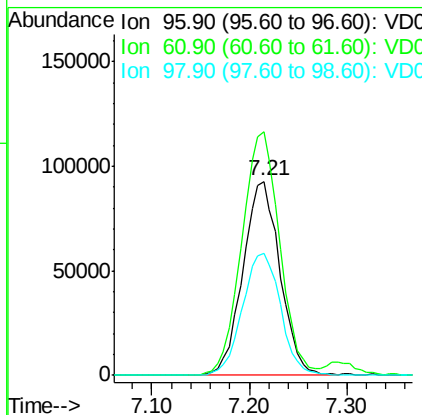
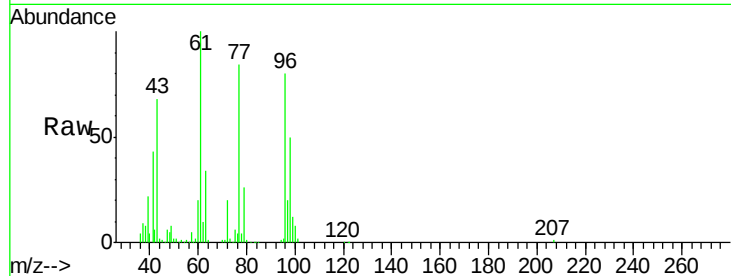
cis-1,2-Dichloroethene
Concen: 56.646 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	246057		
61	128.6	0.0	269.2	
98	64.7	0.0	129.4	

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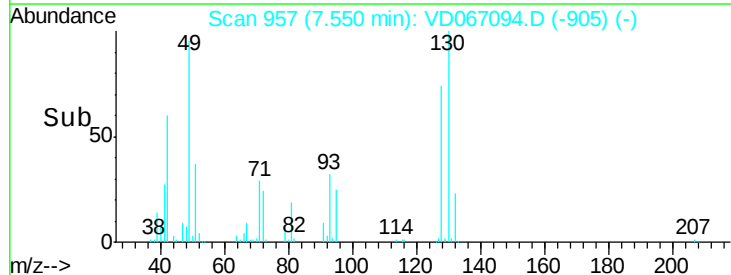
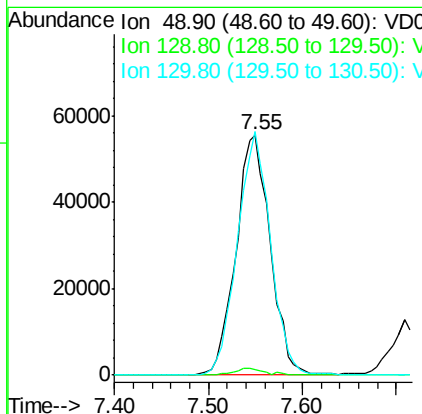
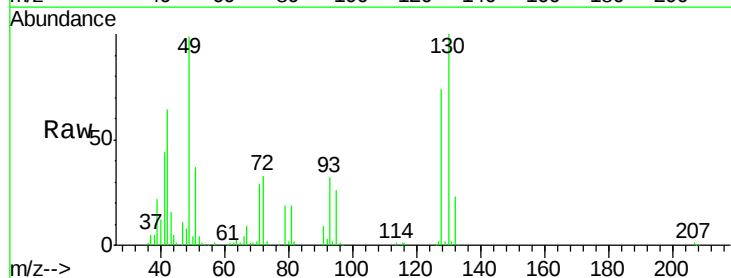
MMDadoda
10/6/2020 12:55:14 PM

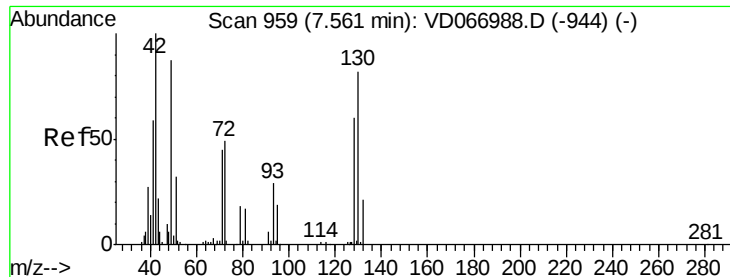


#28

Bromochloromethane
Concen: 55.389 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	139923		
129	2.2	0.0	4.6	
130	98.6	74.1	111.1	





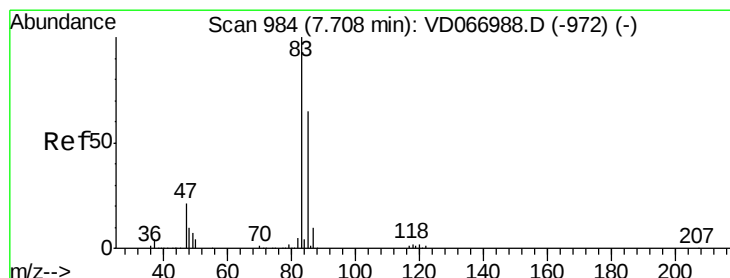
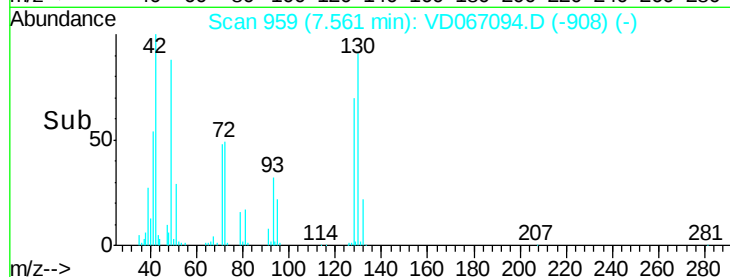
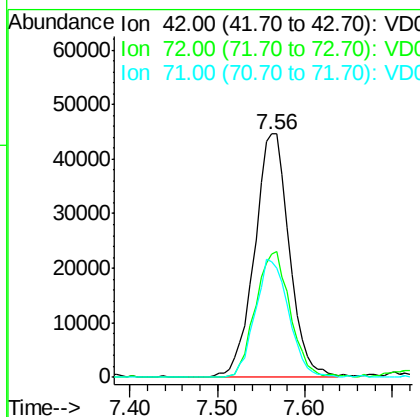
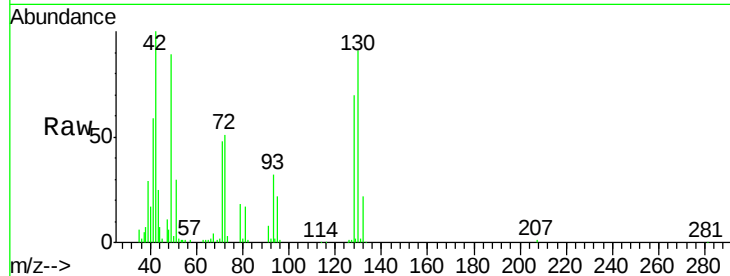
#29
Tetrahydrofuran
Concen: 268.566 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.7	39.1	58.7
71	46.9	34.2	51.4

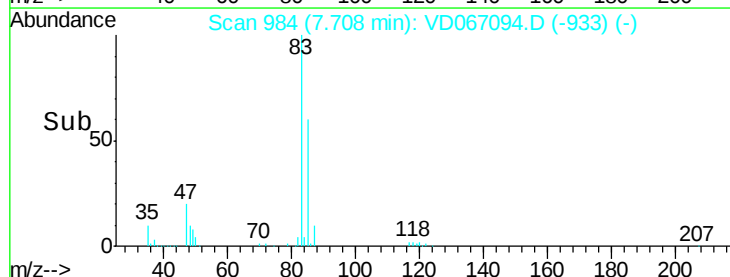
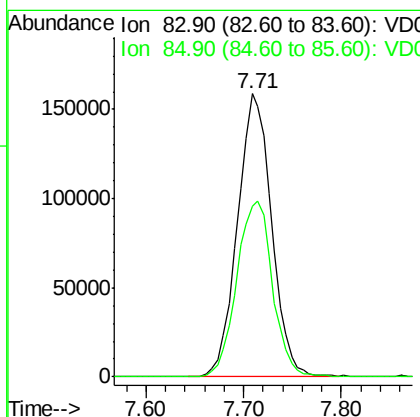
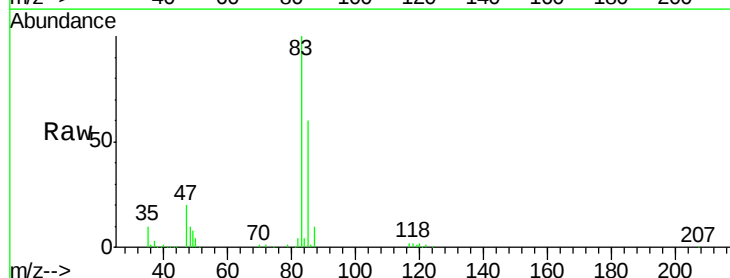
Manual Integrations
APPROVED

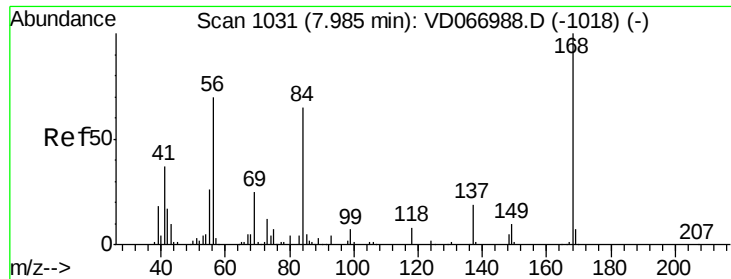
MMDadoda
10/6/2020 12:55:14 PM



#30
Chloroform
Concen: 54.790 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.1	52.3	78.5





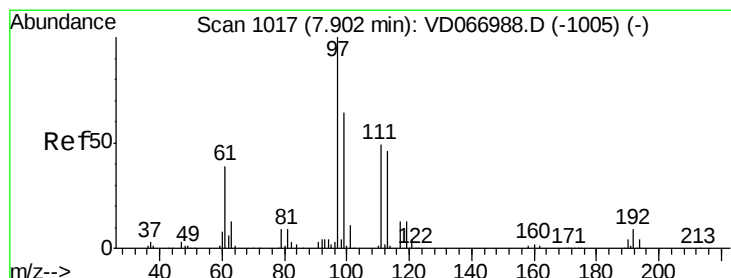
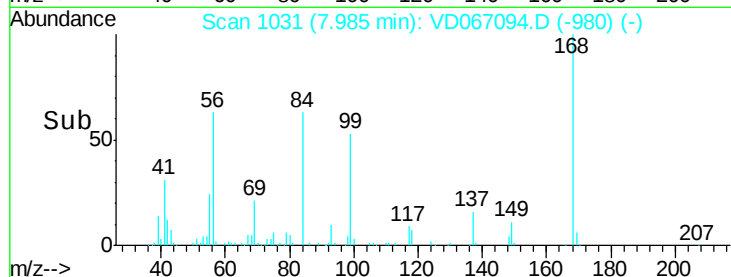
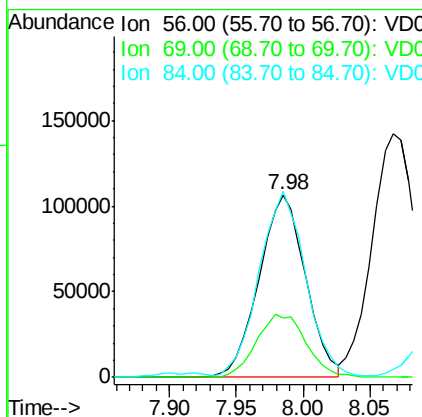
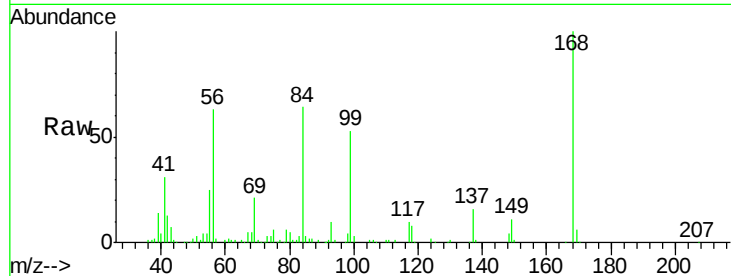
#31
Cyclohexane
Concen: 47.026 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	29.0	43.6
84	99.4	74.2	111.2

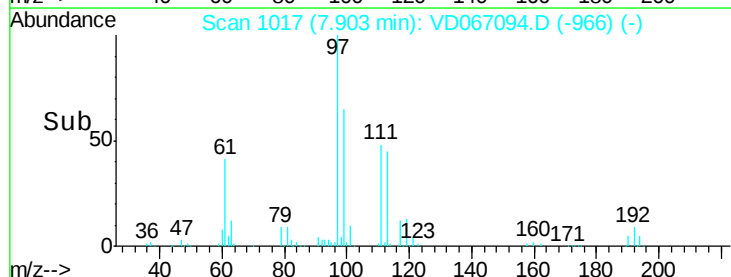
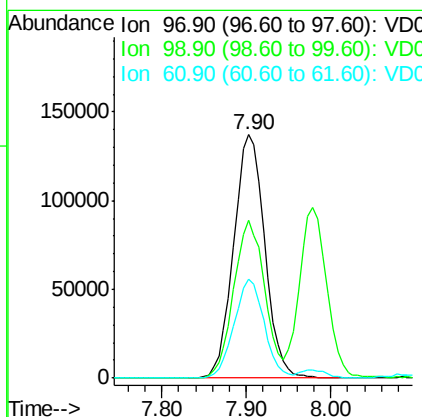
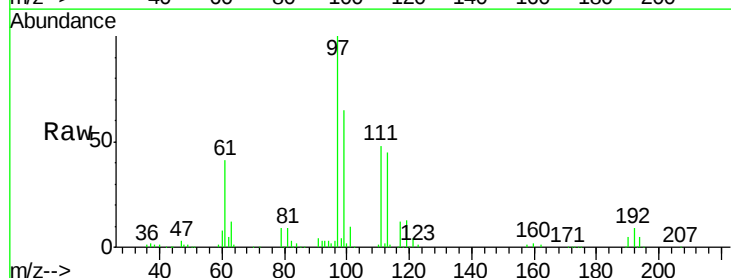
Manual Integrations
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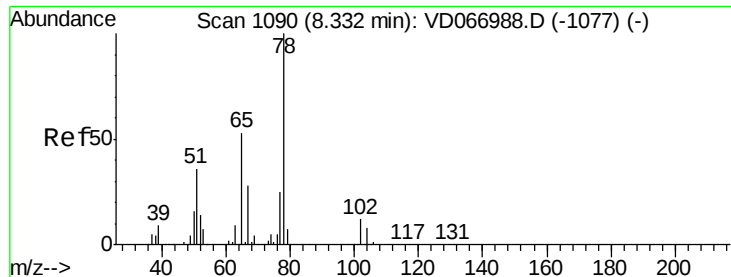
MMDadoda
10/6/2020 12:55:14 PM



#32
1,1,1-Trichloroethane
Concen: 53.213 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.6	78.8
61	39.4	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 53.219 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 194338

Ion Ratio Lower Upper

65 100

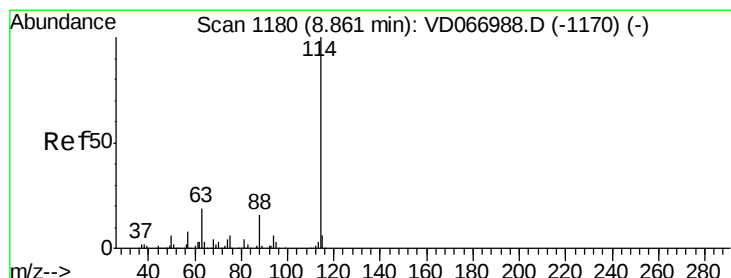
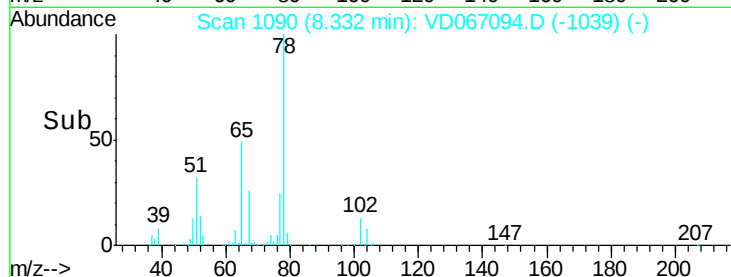
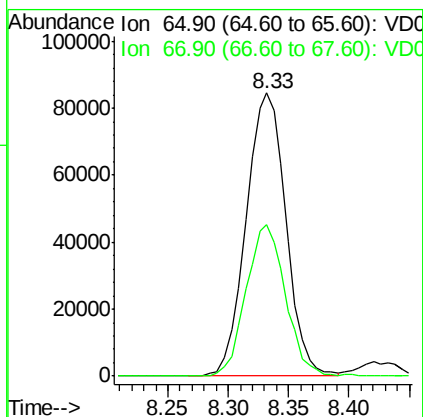
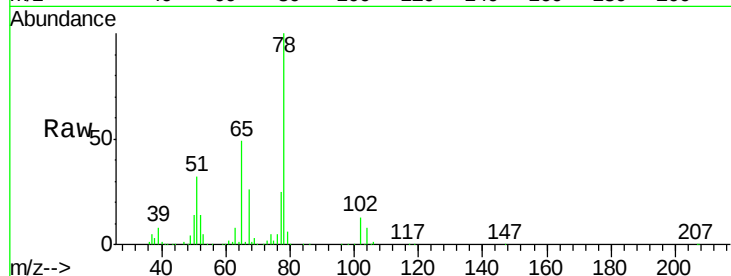
67 52.8 0.0 106.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

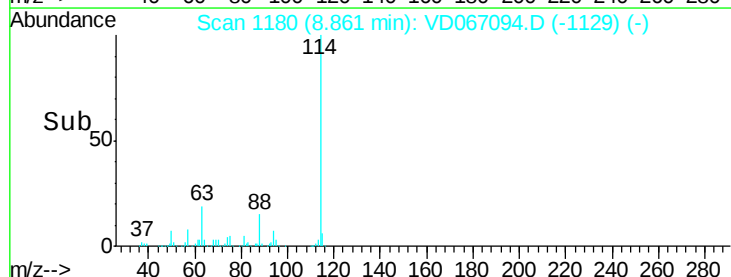
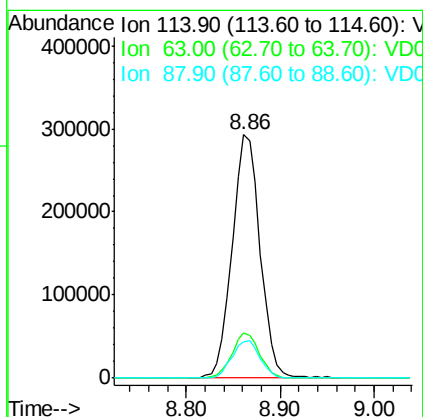
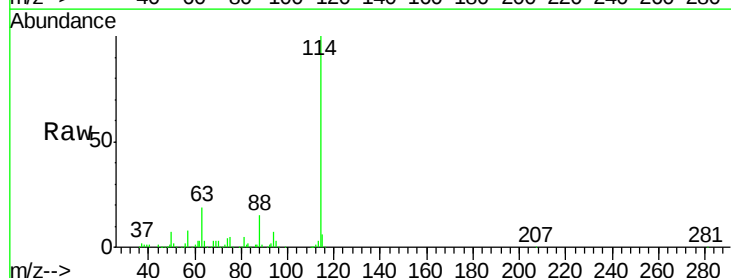
Tgt Ion: 114 Resp: 603016

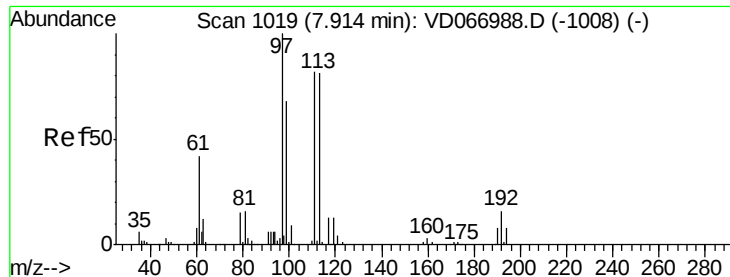
Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 14.9 0.0 31.2





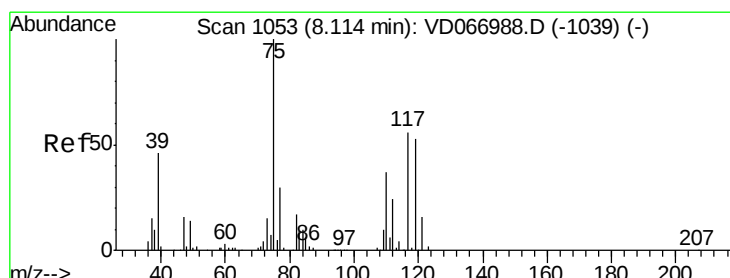
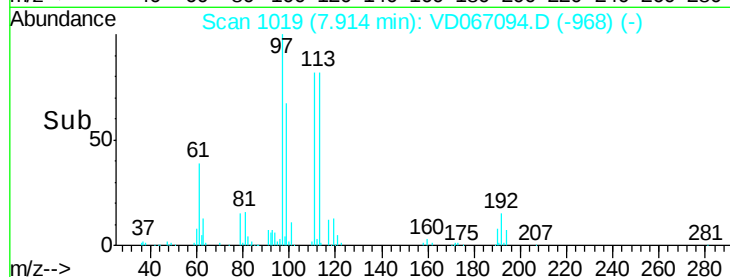
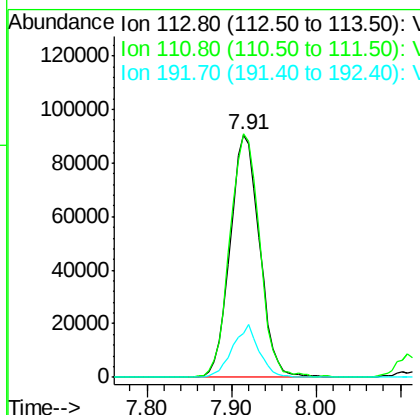
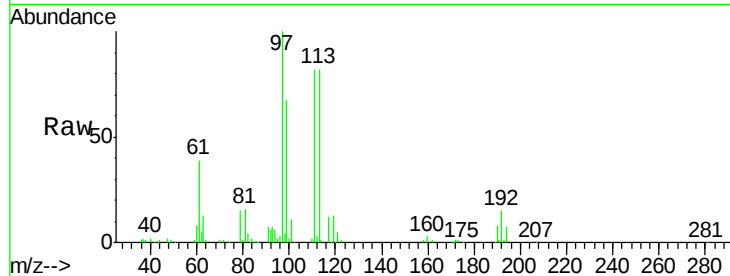
#35
 Dibromofluoromethane
 Concen: 55.050 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.0	124.4
192	19.6	15.5	23.3

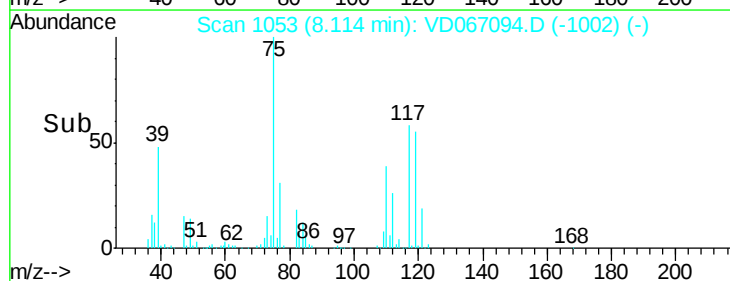
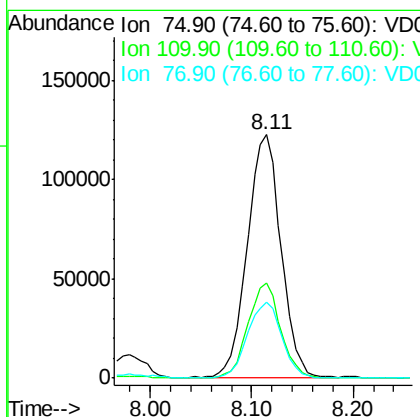
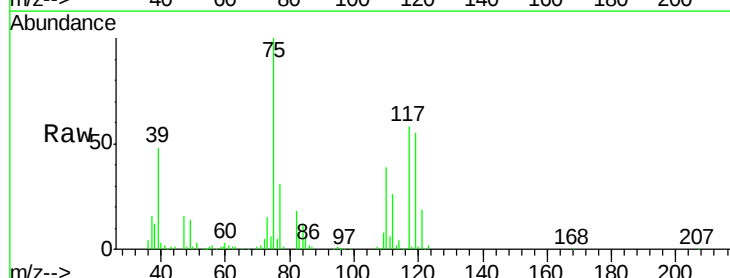
Manual Integrations
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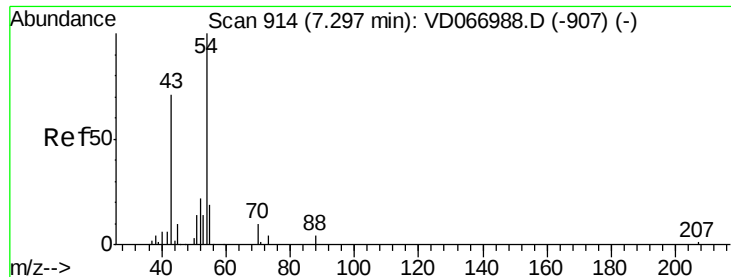
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#36
 1,1-Dichloropropene
 Concen: 50.338 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

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





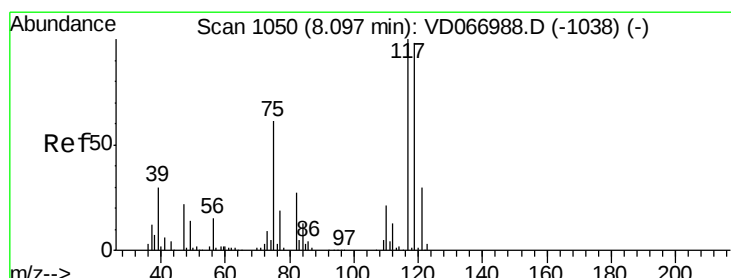
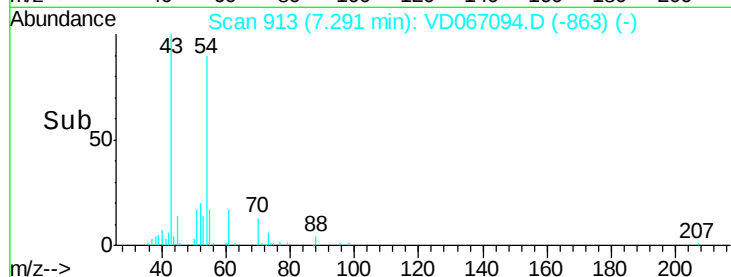
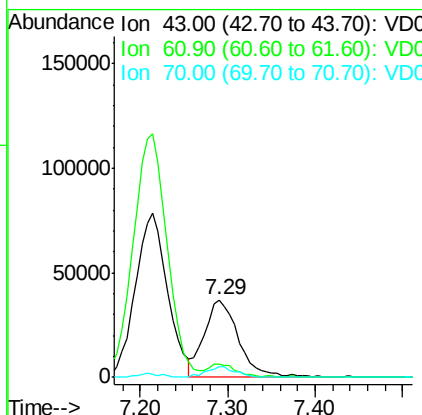
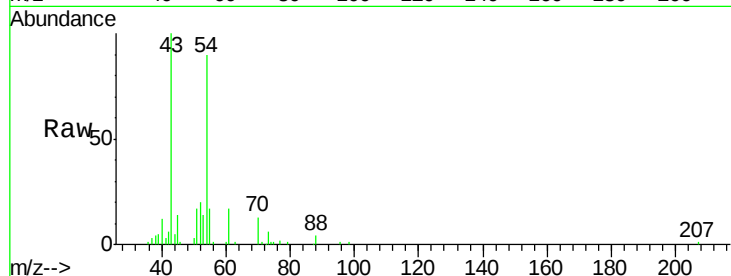
#37
Ethyl Acetate
Concen: 52.184 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	12.5	18.7
70	12.4	9.4	14.0

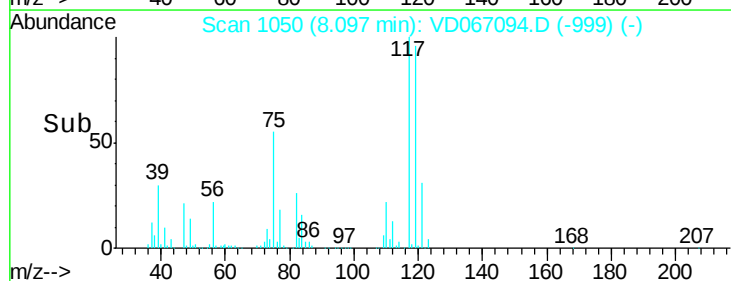
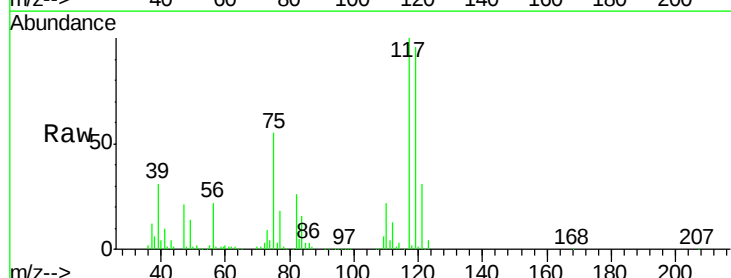
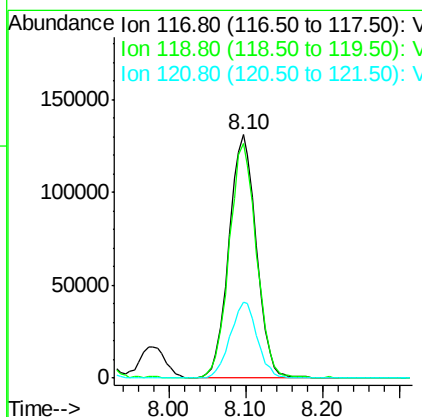
Manual Integrations
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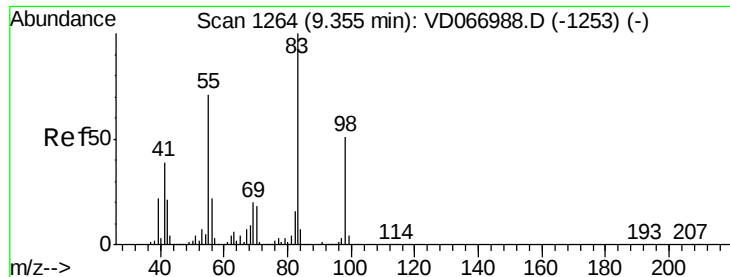
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.399 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.7	118.1
121	31.3	24.2	36.2





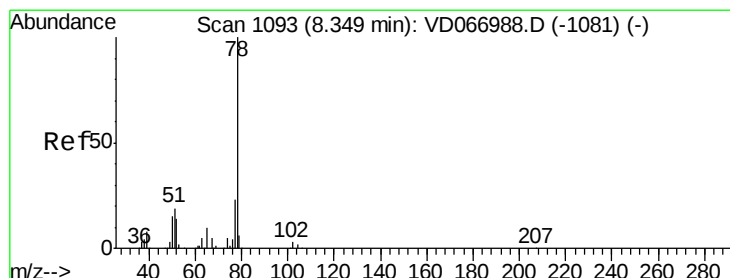
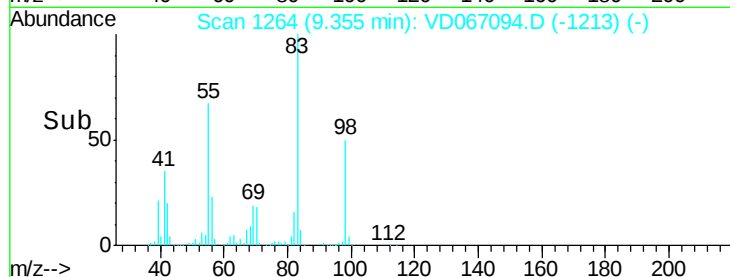
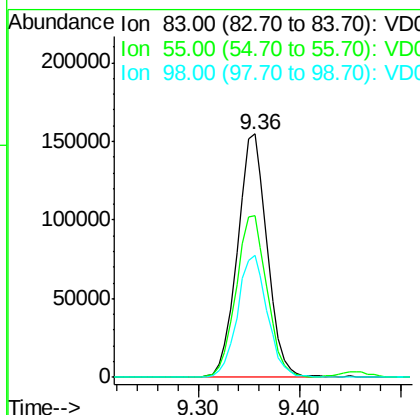
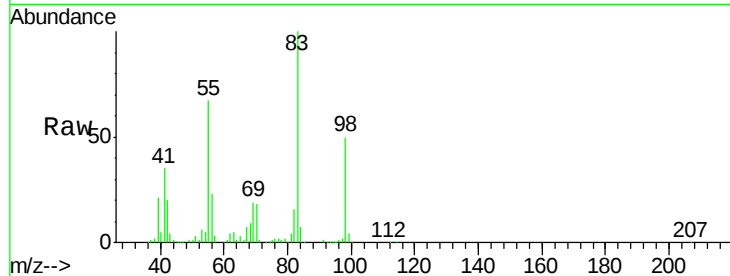
#39
Methvlcvclohexane
Concen: 52.709 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.6	57.1	85.7
98	50.3	40.9	61.3

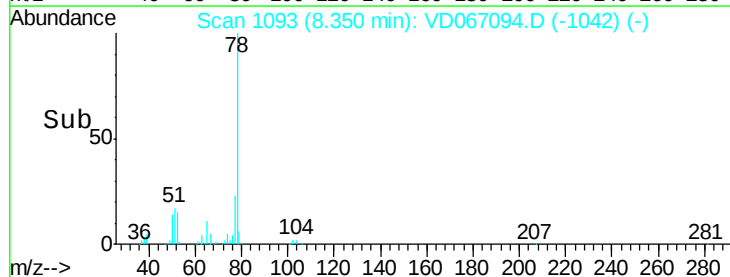
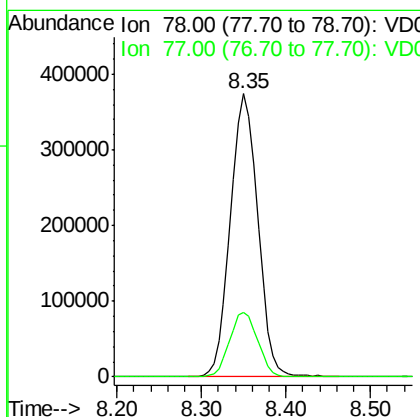
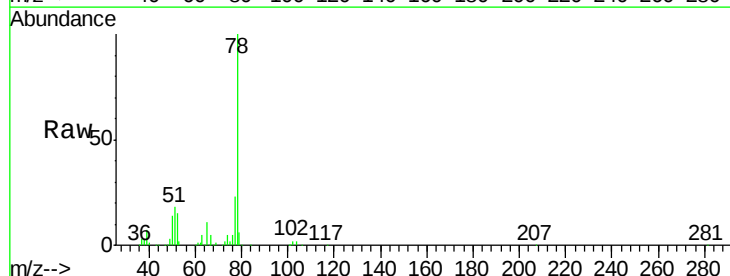
Manual Integrations
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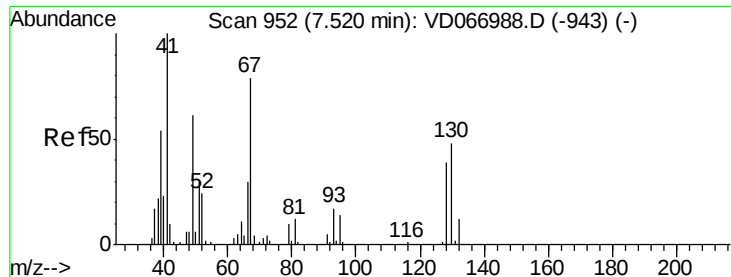
MMDadoda
10/6/2020 12:55:14 PM



#40
Benzene
Concen: 53.738 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6





#41

Methacrylonitrile

Concen: 45.265 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.01 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 47617

Ion Ratio Lower Upper

41 100

39 76.4 0.0 0.0#

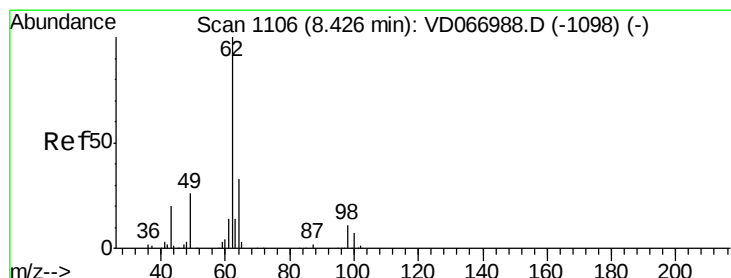
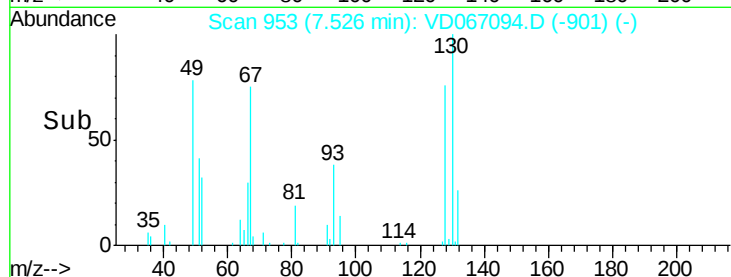
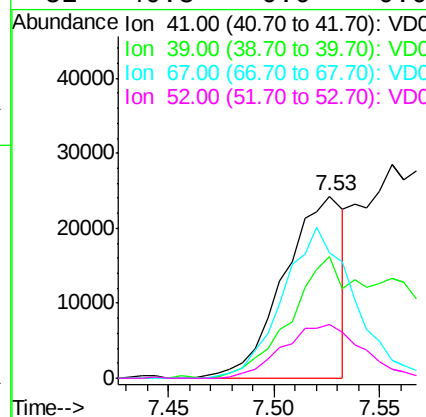
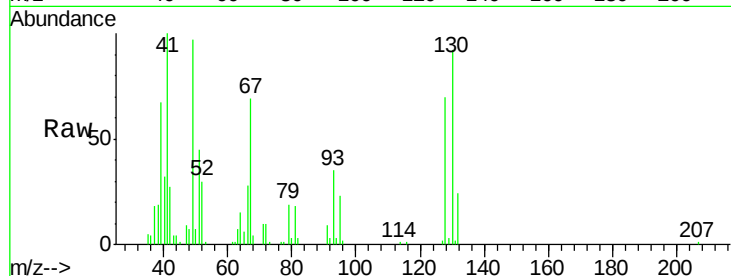
67 100.5 0.0 0.0#

52 40.3 0.0 0.0#

Manual Integrations
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10/6/2020 12:55:14 PM



#42

1,2-Dichloroethane

Concen: 53.050 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067094.D

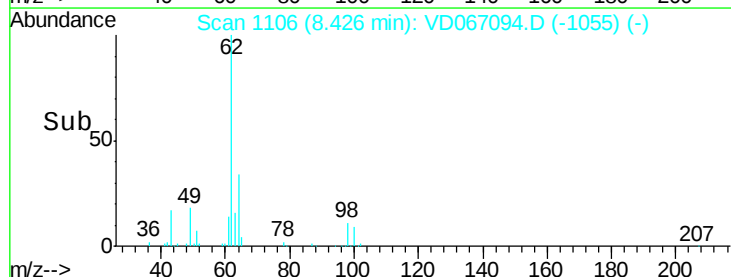
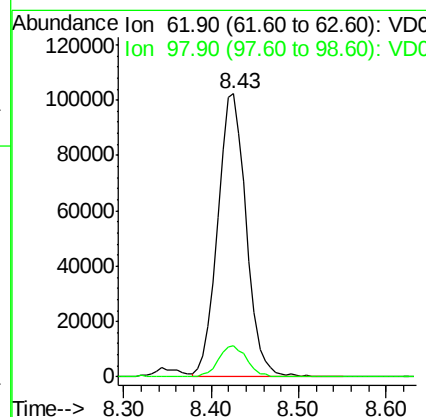
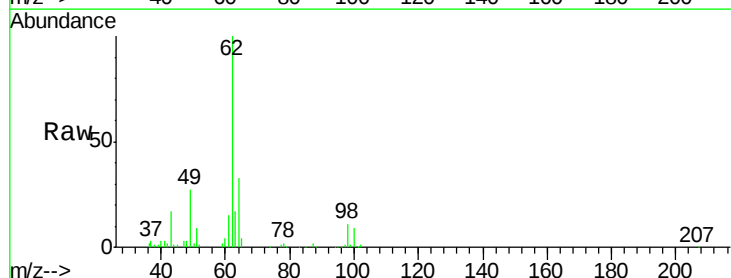
Acq: 05 Oct 2020 20:04

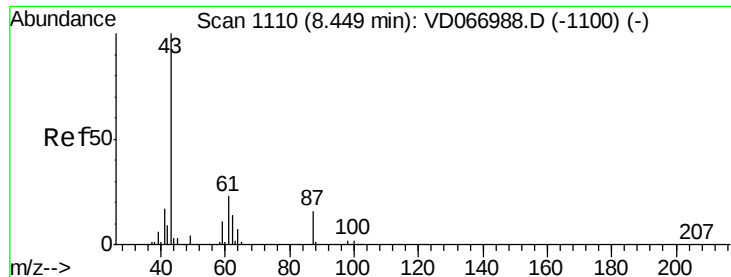
Tgt Ion: 62 Resp: 231429

Ion Ratio Lower Upper

62 100

98 11.0 0.0 22.6





#43

Isopropyl Acetate

Concen: 52.875 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

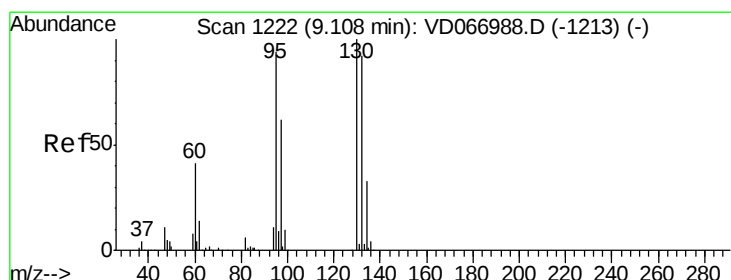
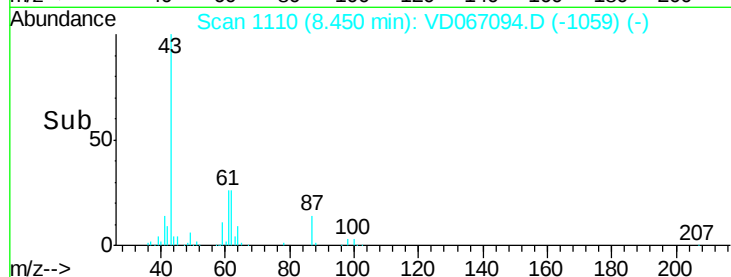
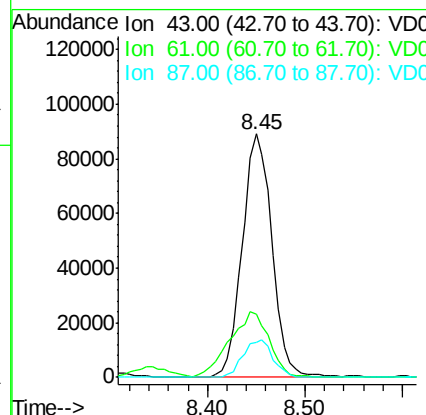
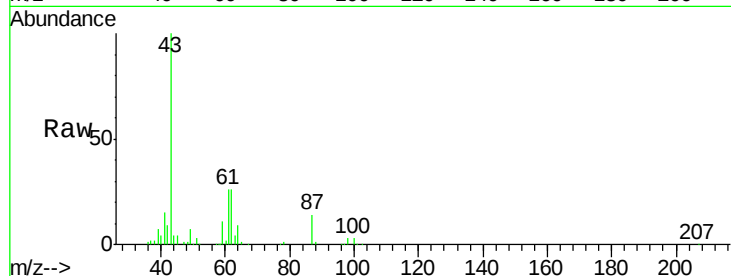
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	189670
Ion	Ratio	Lower	Upper
43	100		
61	35.7	27.1	40.7
87	15.6	12.3	18.5

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#44

Trichloroethene

Concen: 53.974 ug/l

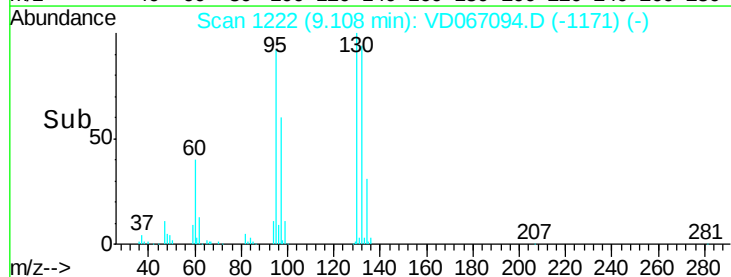
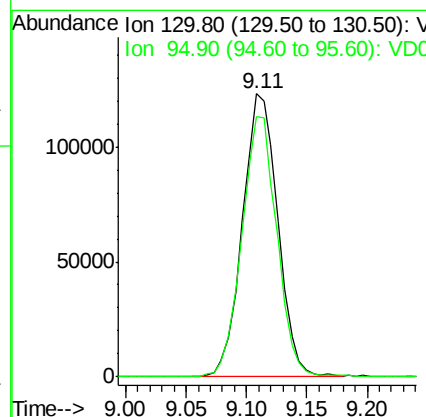
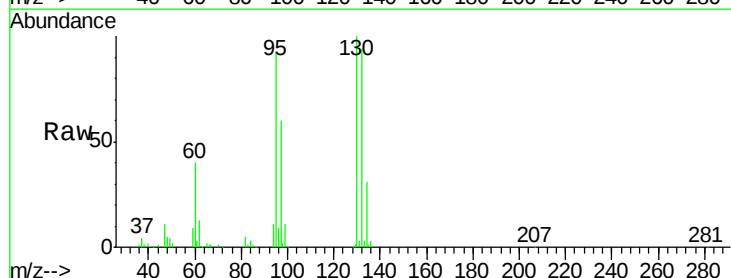
RT: 9.11 min Scan# 1222

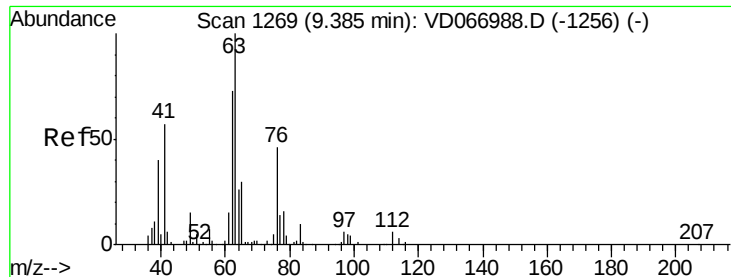
Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Tgt Ion:	130	Resp:	251619
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	187.8





#45

1,2-Dichloropropane

Concen: 54.876 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 201297

Ion Ratio Lower Upper

63 100

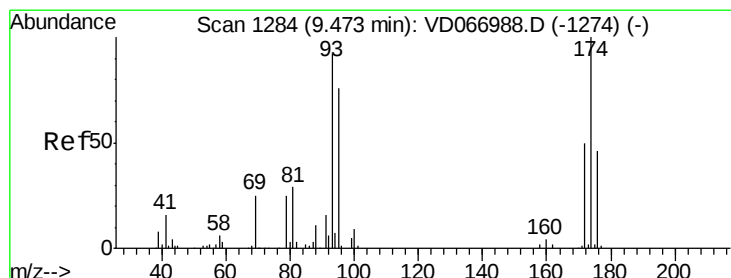
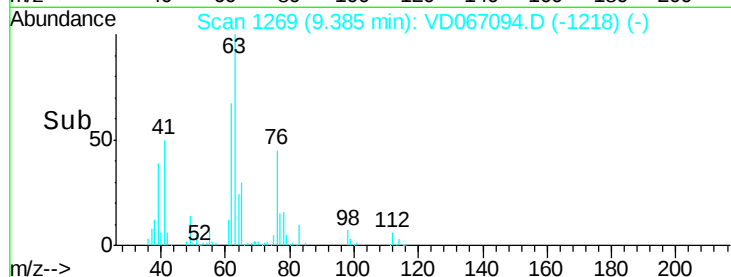
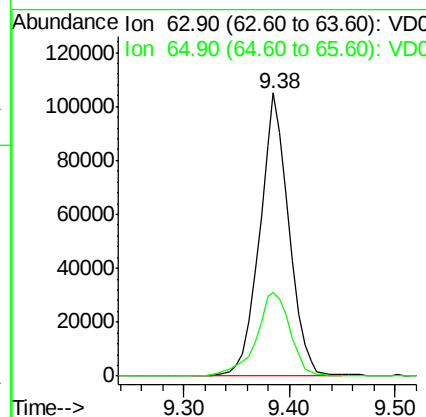
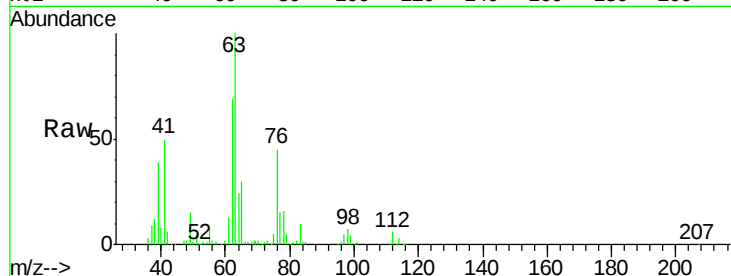
65 29.8 23.7 35.5

Manual Integrations

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#46

Dibromomethane

Concen: 55.659 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

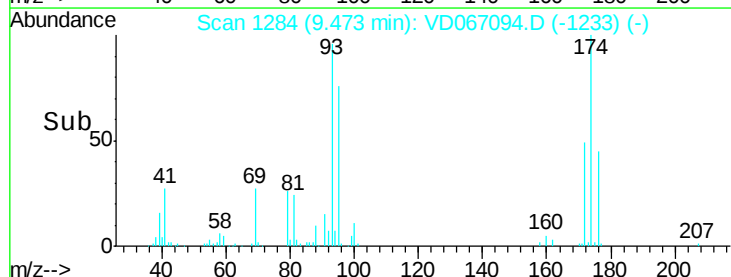
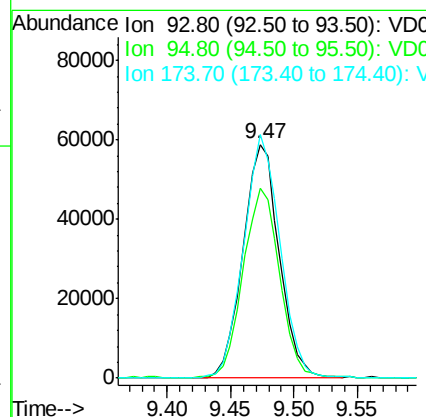
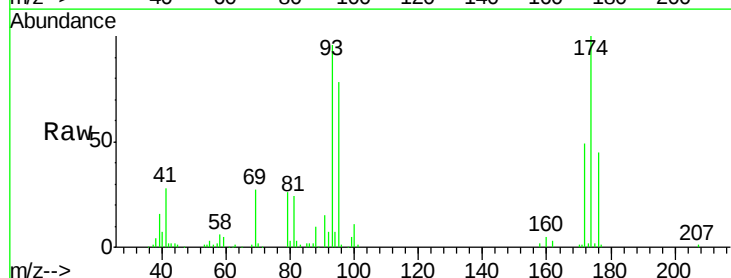
Tgt Ion: 93 Resp: 117347

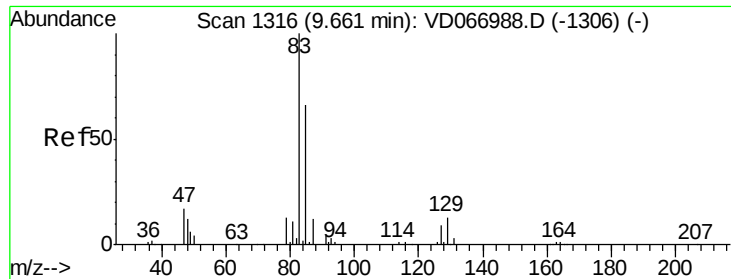
Ion Ratio Lower Upper

93 100

95 81.6 64.7 97.1

174 104.7 81.4 122.2





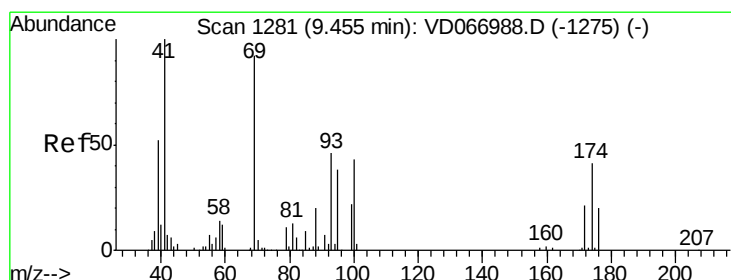
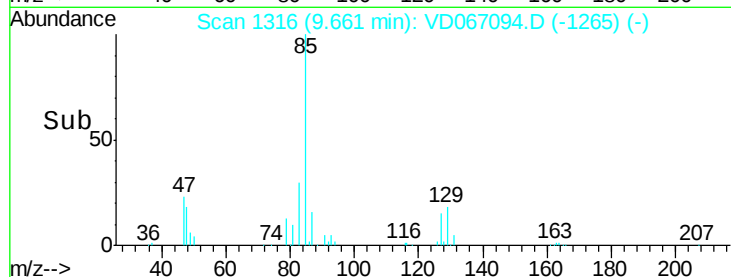
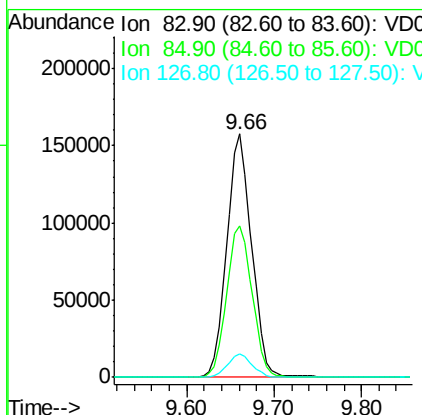
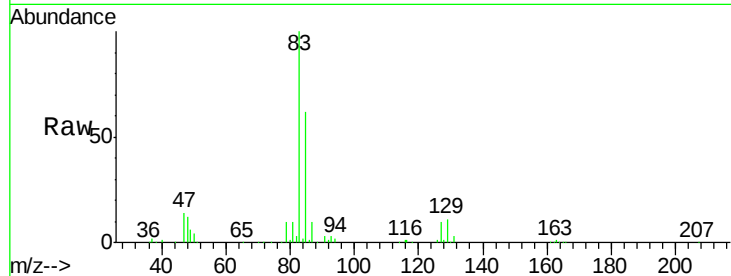
#47
Bromodichloromethane
Concen: 55.705 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	305288		
85	62.2		52.9	79.3
127	9.6		7.3	10.9

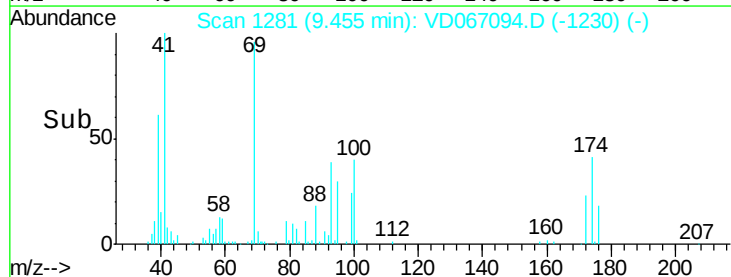
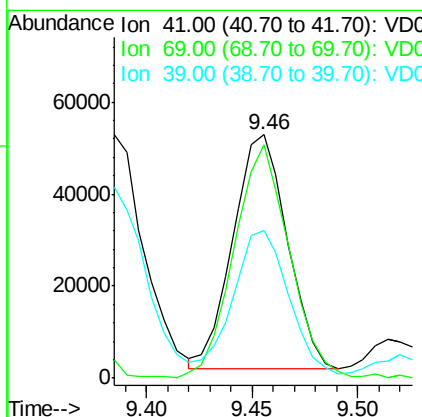
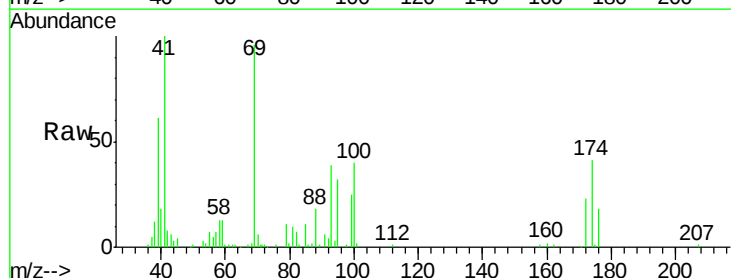
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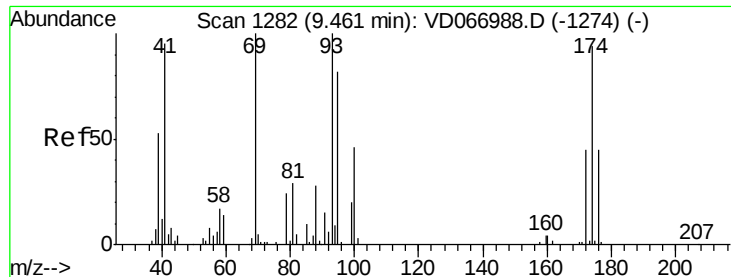
MMDadoda
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#48
Methyl methacrylate
Concen: 49.151 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	90327		
69	100.5		68.5	102.7
39	66.8		40.2	60.2#





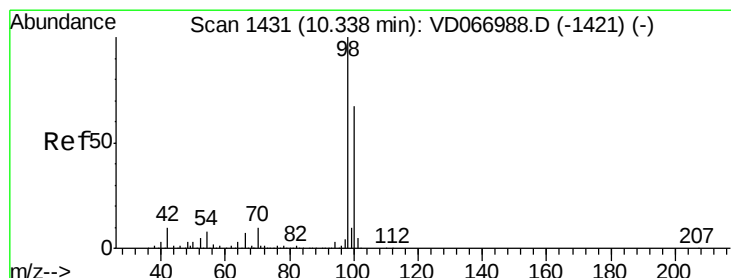
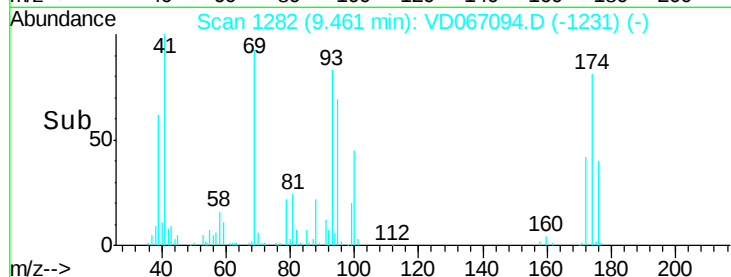
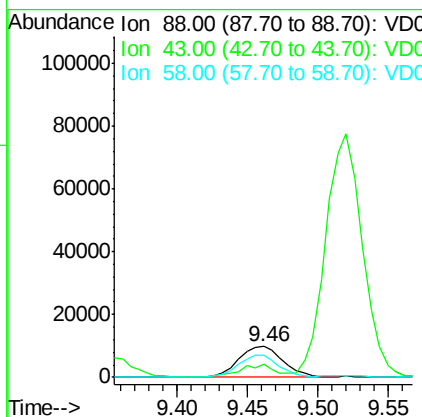
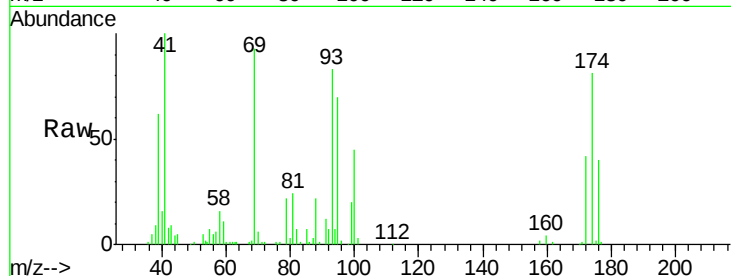
#49
1,4-Dioxane
Concen: 984.861 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	21671
Ion	Ratio	Lower	Upper
88	100		
43	34.7	25.6	38.4
58	67.6	53.5	80.3

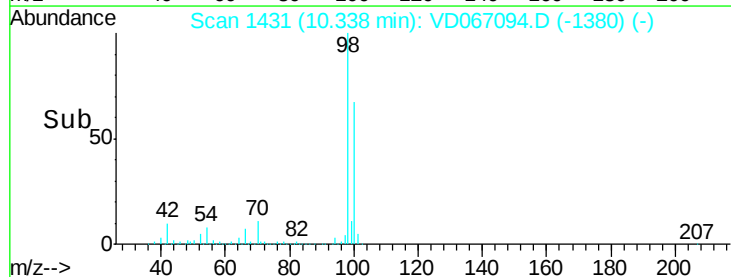
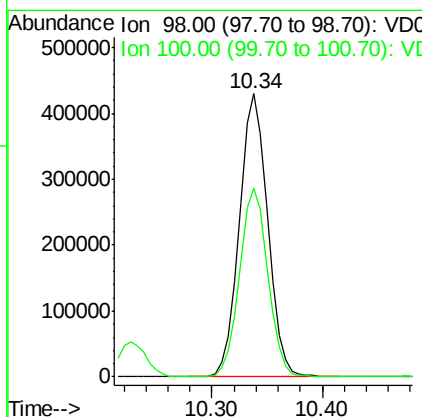
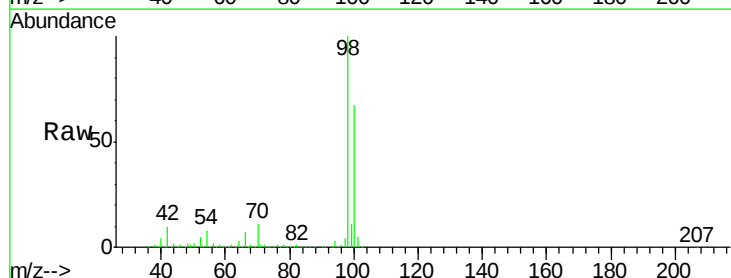
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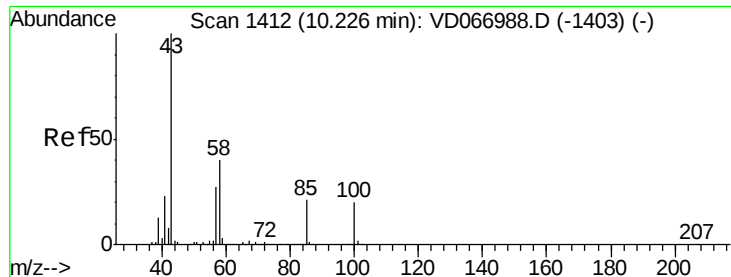
MMDadoda
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#50
Toluene-d8
Concen: 54.010 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	98	Resp	776961
Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 268.494 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 479732

Ion Ratio Lower Upper

43 100

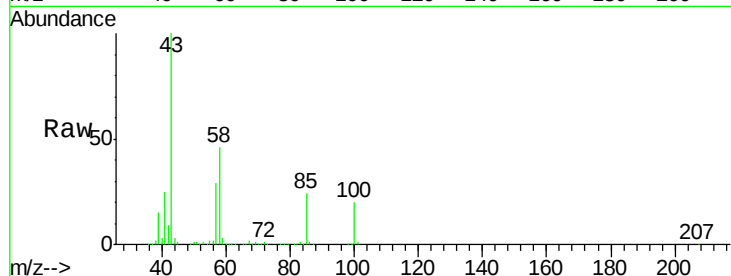
58 43.8 33.8 50.8

Manual Integrations

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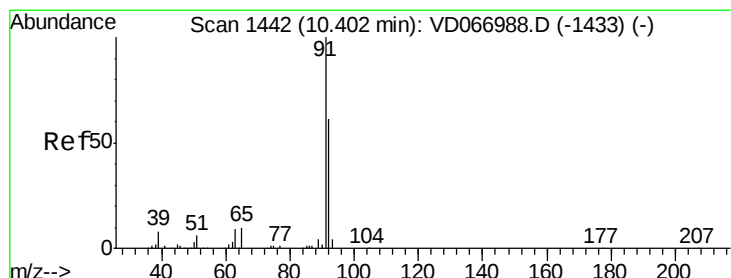
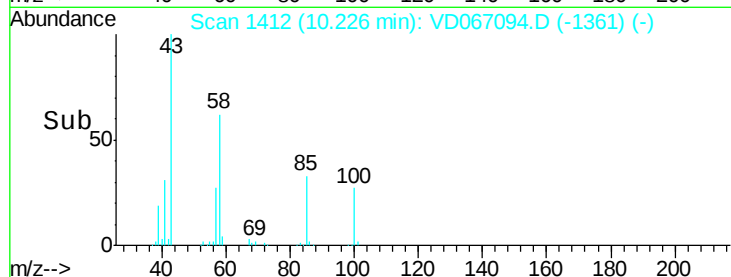
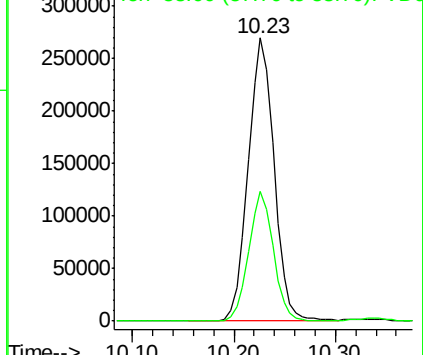
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 54.721 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067094.D

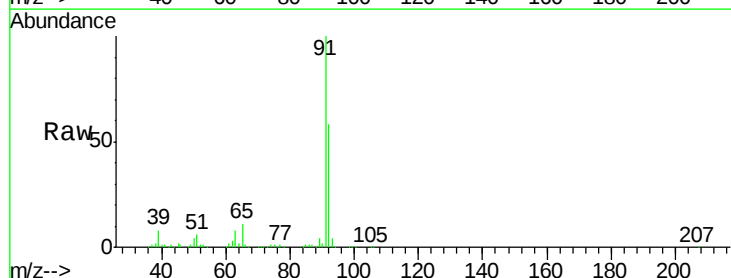
Acq: 05 Oct 2020 20:04

Tgt Ion: 92 Resp: 550317

Ion Ratio Lower Upper

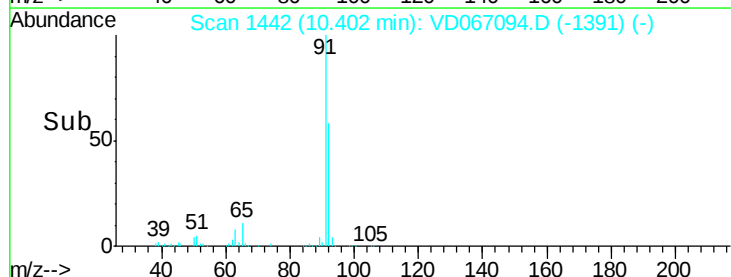
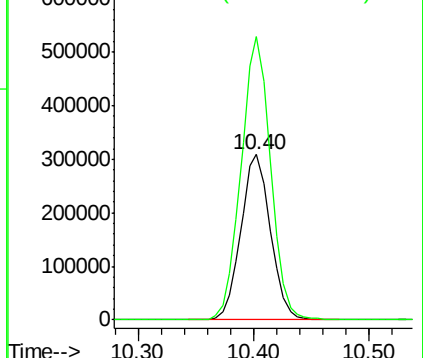
92 100

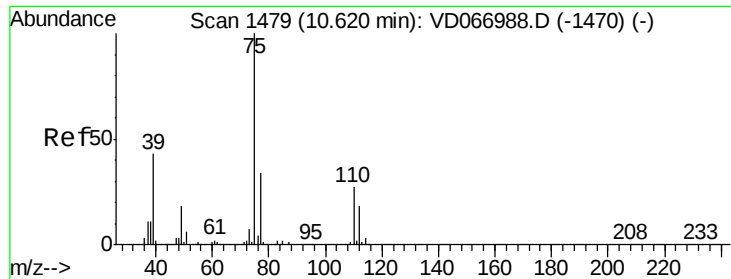
91 171.1 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





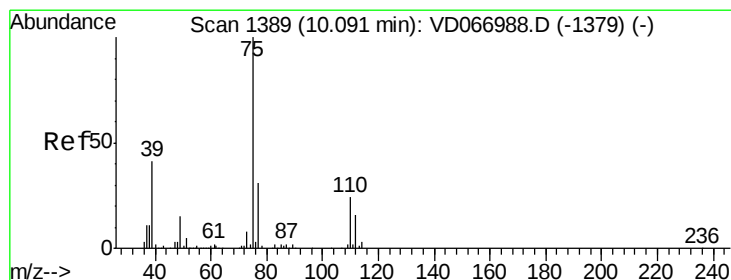
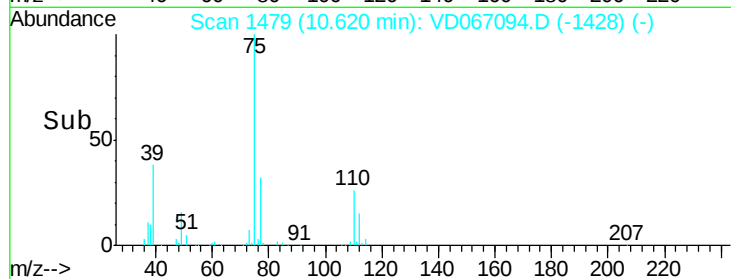
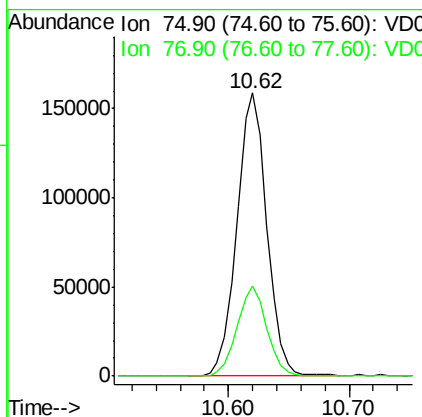
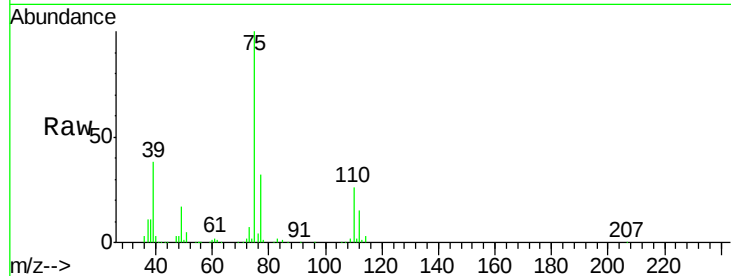
#53
 t-1,3-Dichloropropene
 Concen: 56.064 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 274605
 Ion Ratio Lower Upper
 75 100
 77 31.7 27.1 40.7

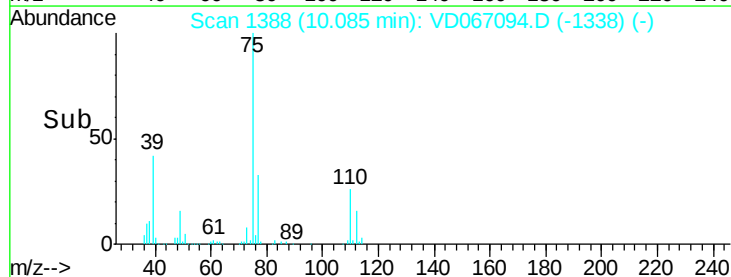
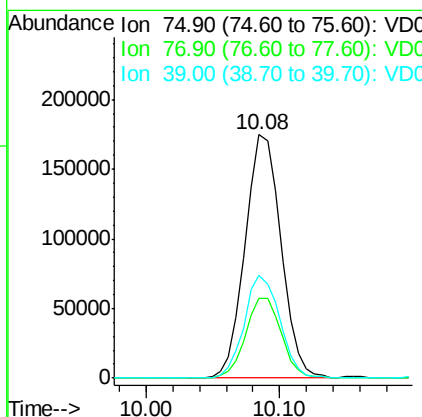
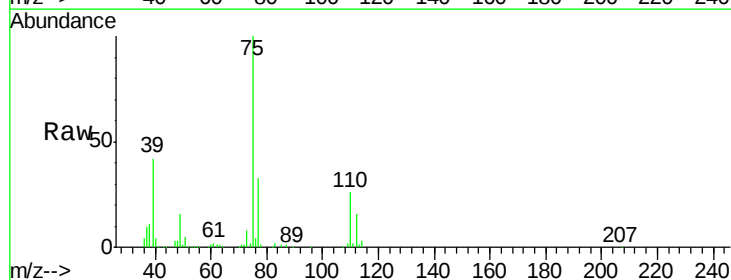
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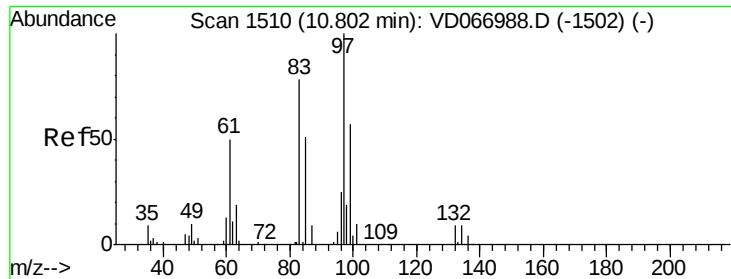
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#54
 cis-1,3-Dichloropropene
 Concen: 54.421 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Tgt Ion: 75 Resp: 325498
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.6 37.0
 39 41.9 33.0 49.4





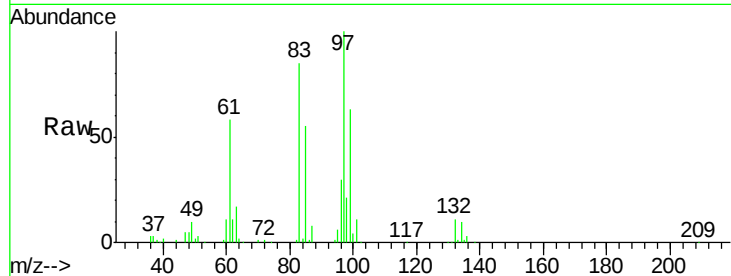
#55
 1,1,2-Trichloroethane
 Concen: 54.905 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

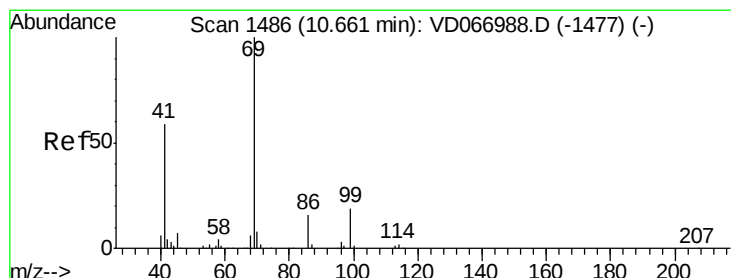
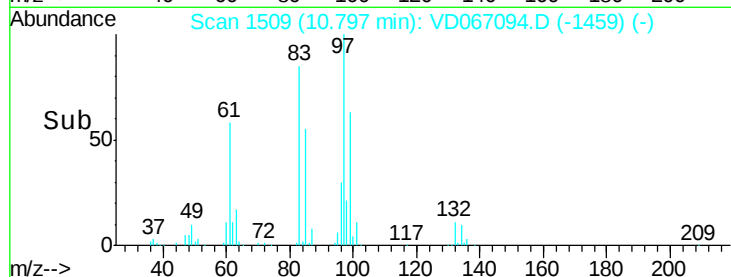
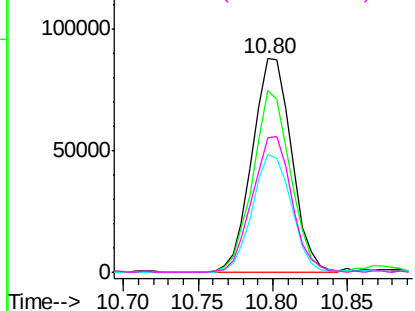
Tot Ion	Ratio	Resp	Lower	Upper
97	100	160937		
83	85.2	62.4	93.6	
85	54.9	41.0	61.4	
99	62.8	45.9	68.9	

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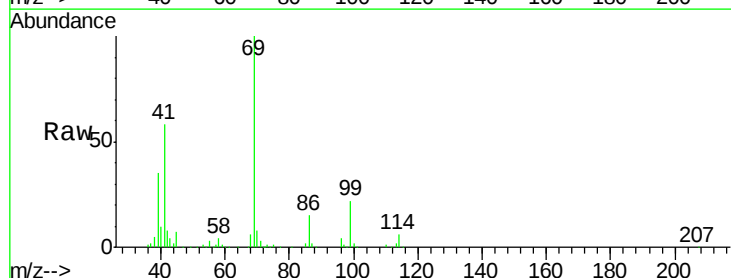


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

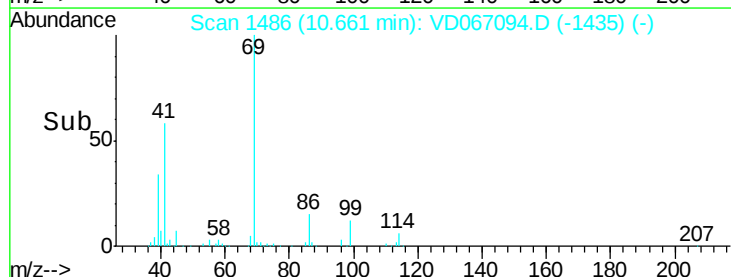
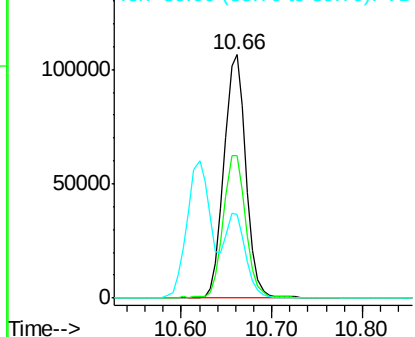


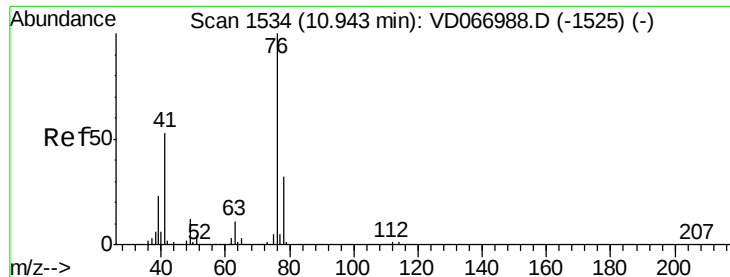
#56
 Ethyl methacrylate
 Concen: 58.926 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	178328		
41	60.4	46.4	69.6	
39	30.8	23.8	35.6	



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





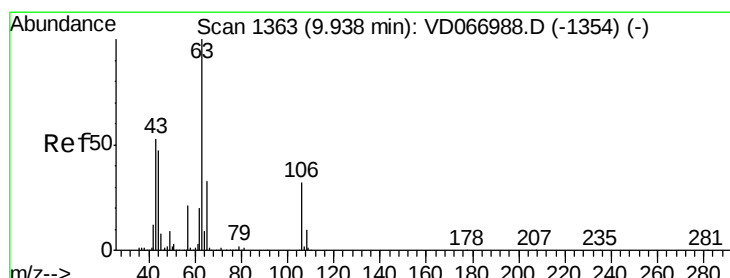
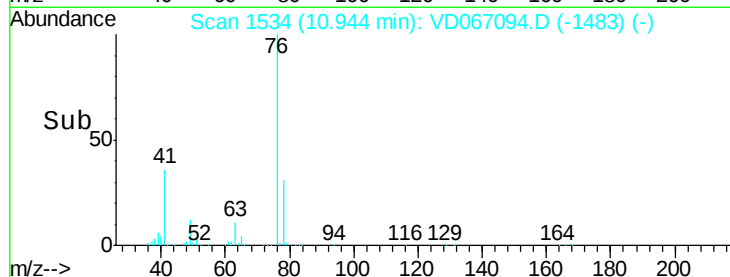
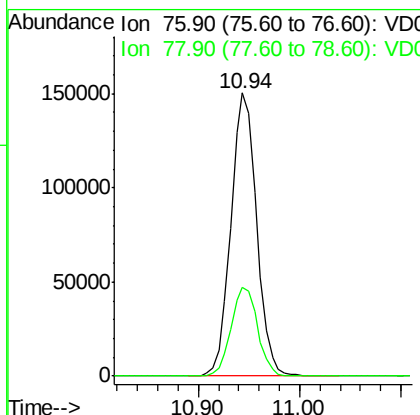
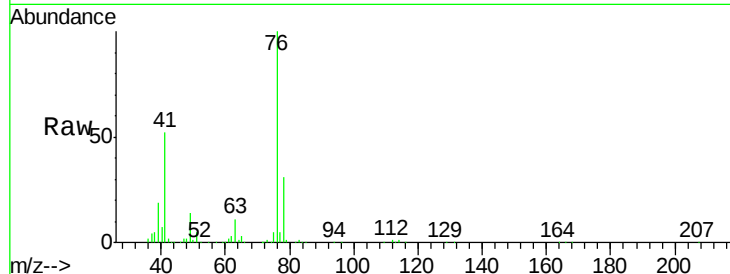
#57
 1,3-Dichloropropane
 Concen: 55.809 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 265275
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8

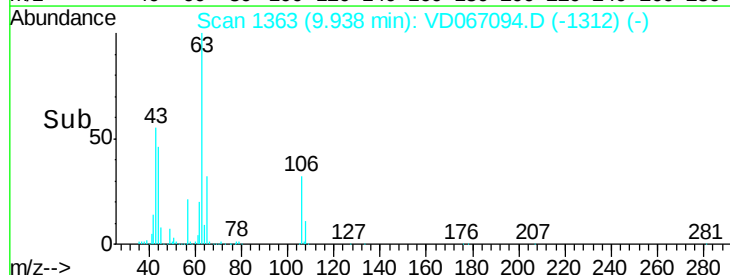
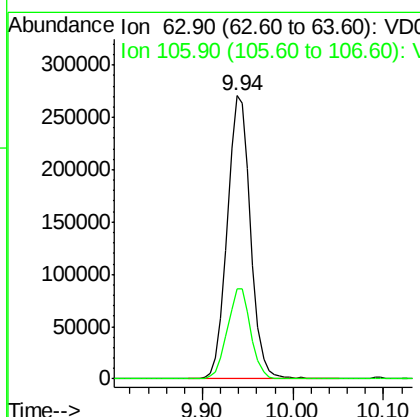
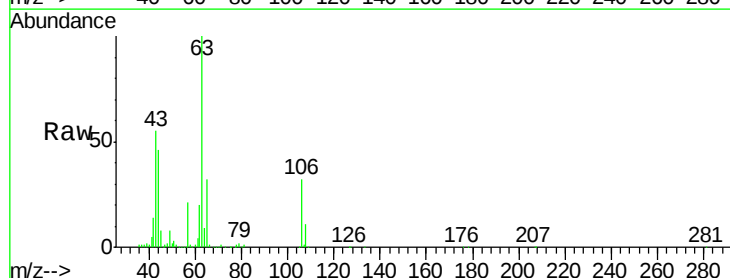
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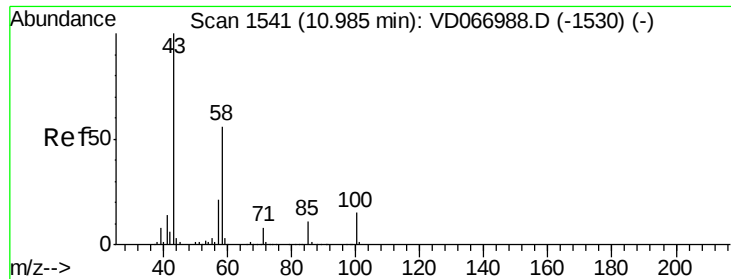
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#58
 2-Chloroethyl Vinyl ether
 Concen: 285.536 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Tgt Ion: 63 Resp: 480951
 Ion Ratio Lower Upper
 63 100
 106 32.2 25.3 37.9





#59

2-Hexanone

Concen: 270.593 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 322696

Ion Ratio Lower Upper

43 100

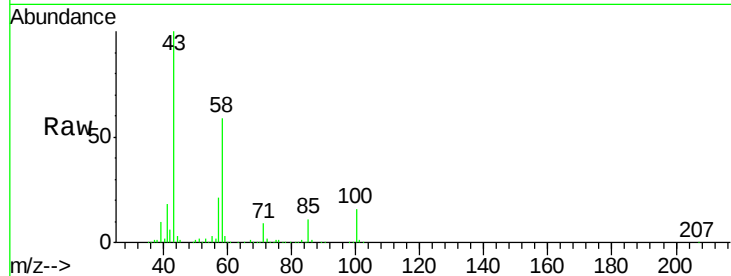
58 59.5 28.3 84.9

Manual Integrations

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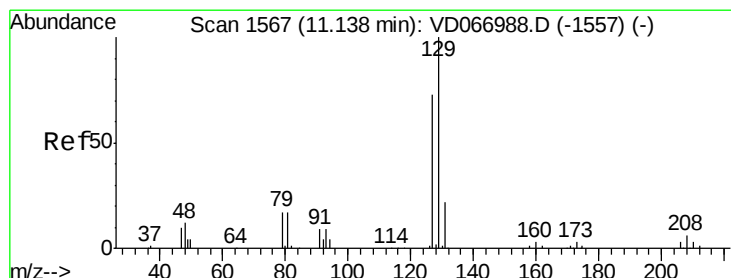
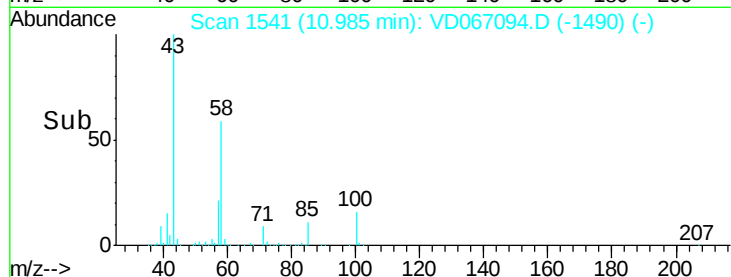
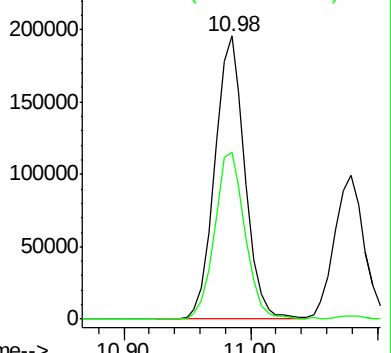
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 55.982 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VD067094.D

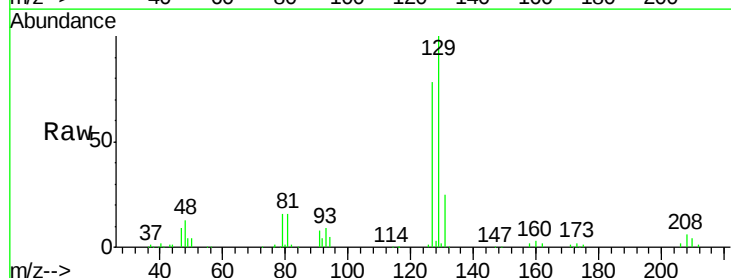
Acq: 05 Oct 2020 20:04

Tgt Ion: 129 Resp: 218709

Ion Ratio Lower Upper

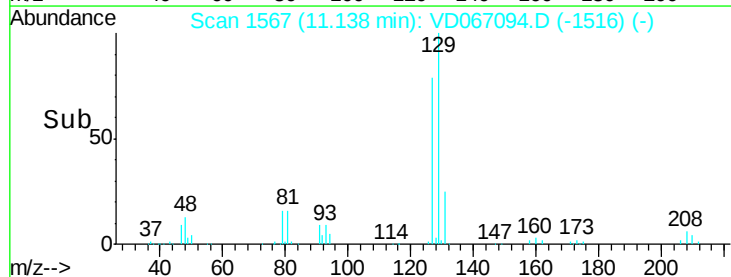
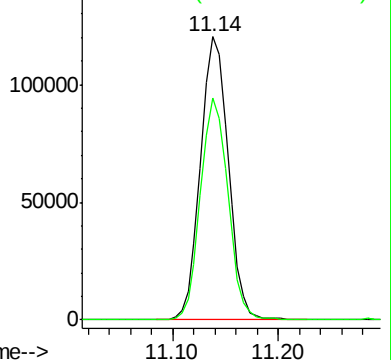
129 100

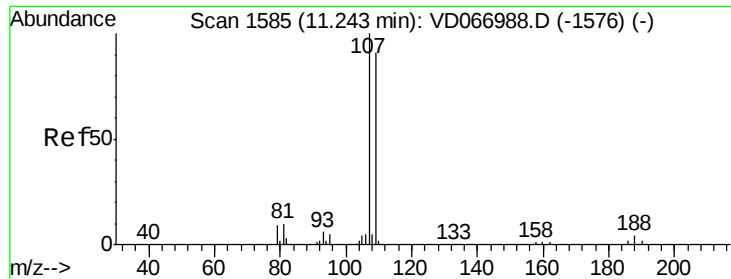
127 77.7 37.4 112.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





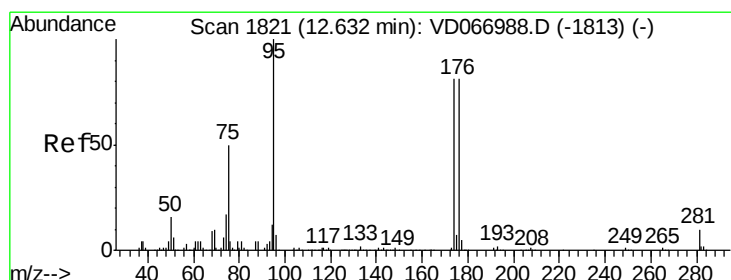
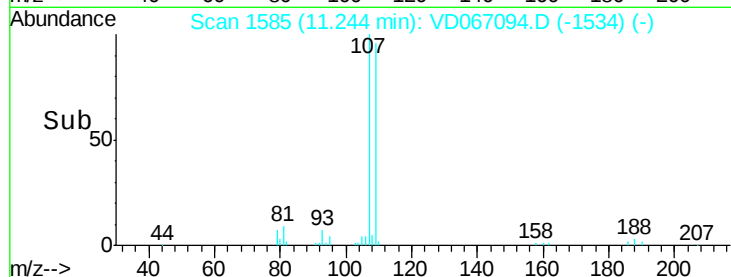
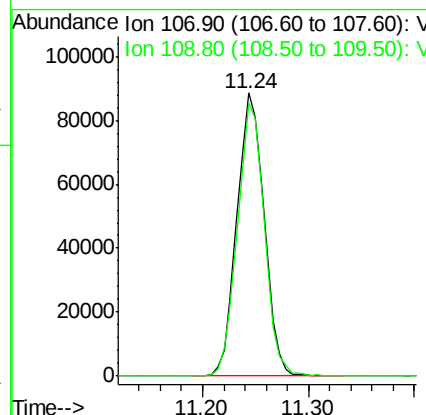
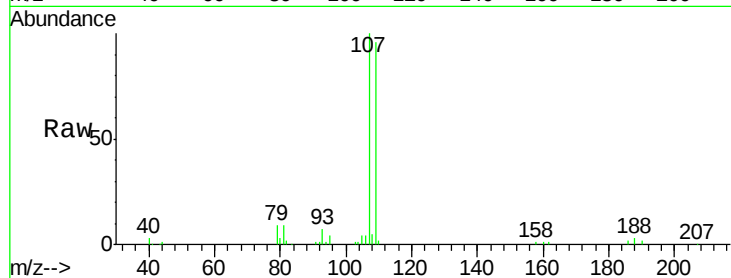
#61
 1,2-Dibromoethane
 Concen: 56.006 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	74.0	111.0

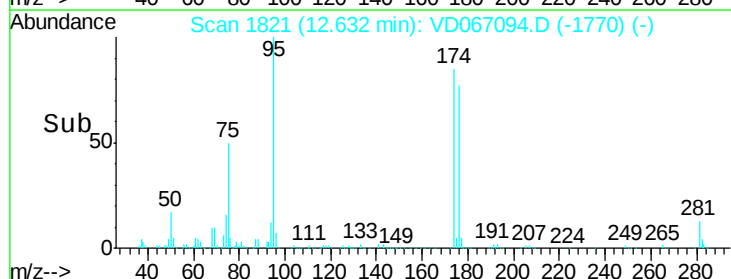
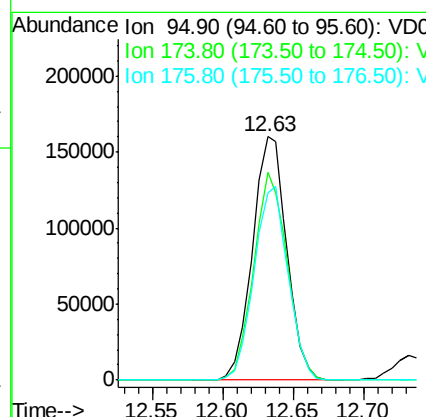
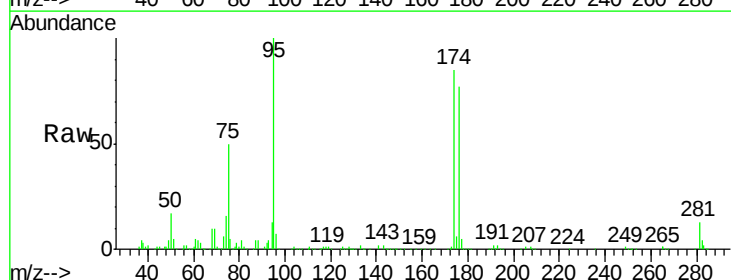
Manual Integrations
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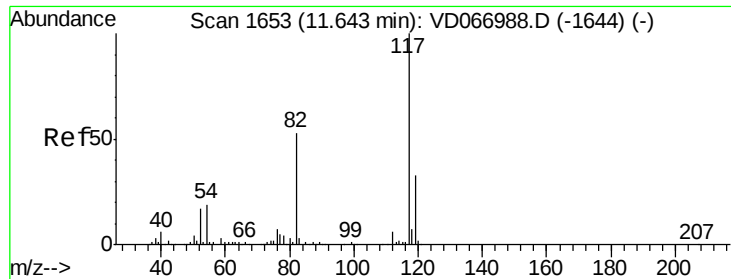
MMDadoda
 10/6/2020 12:55:14 PM



#62
 4-Bromofluorobenzene
 Concen: 55.776 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	167.6
176	79.6	0.0	162.4





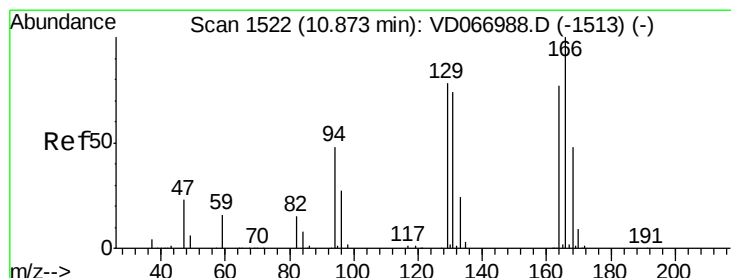
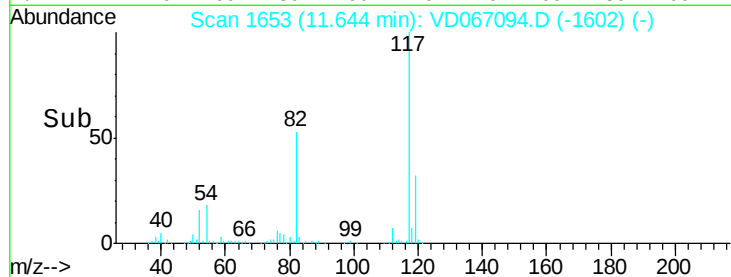
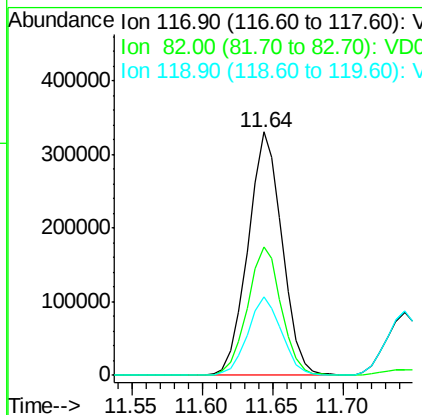
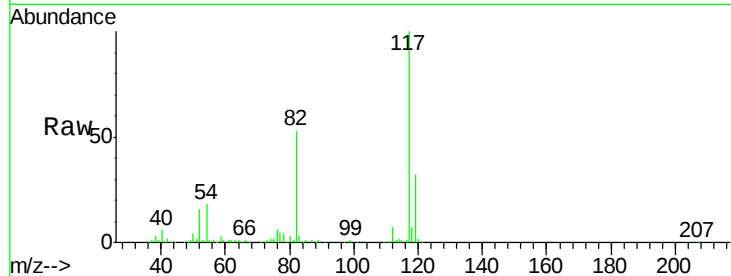
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	560480		
82	52.6		42.6	63.8
119	32.3		26.3	39.5

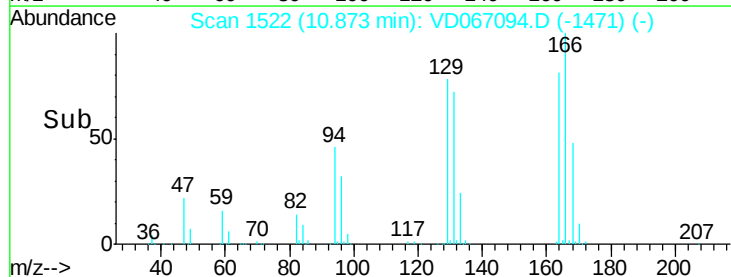
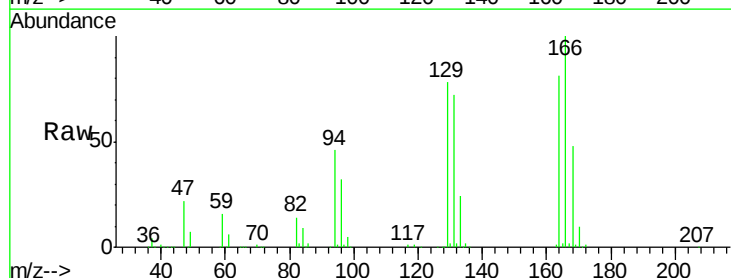
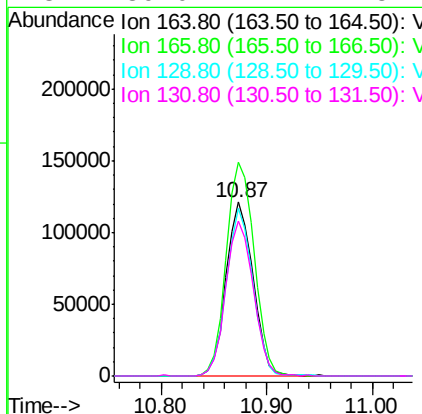
Manual Integrations
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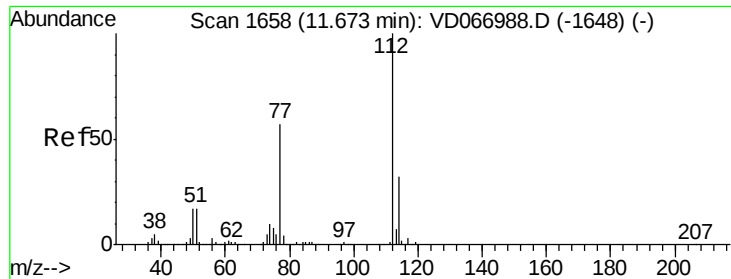
MMDadoda
10/6/2020 12:55:14 PM



#64
Tetrachloroethene
Concen: 52.592 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	214295		
166	122.8		104.4	156.6
129	96.3		81.3	121.9
131	89.0		77.1	115.7





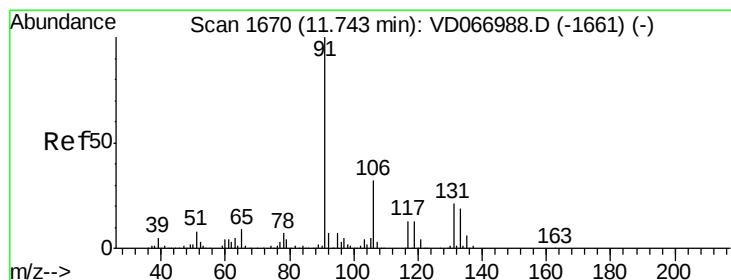
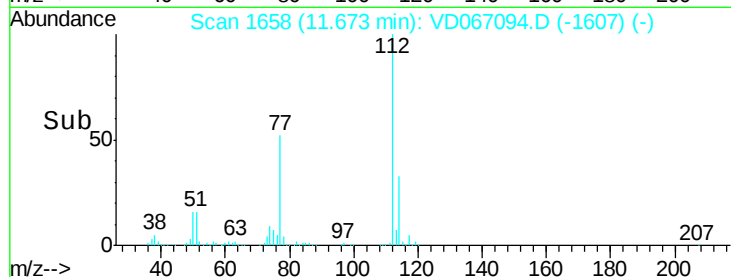
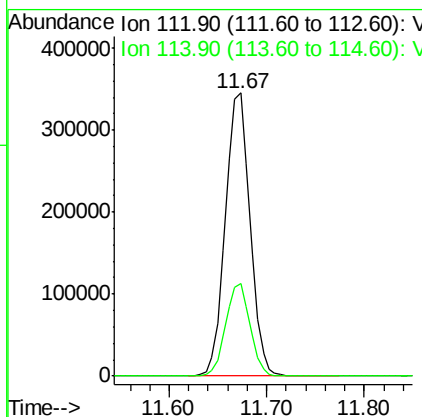
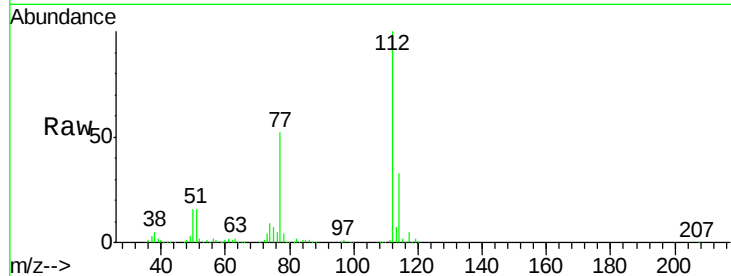
#65
Chlorobenzene
Concen: 54.443 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.4	38.0

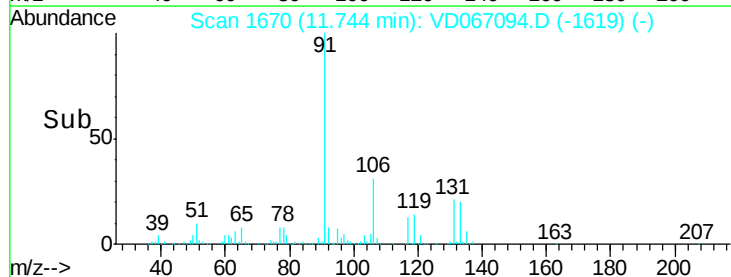
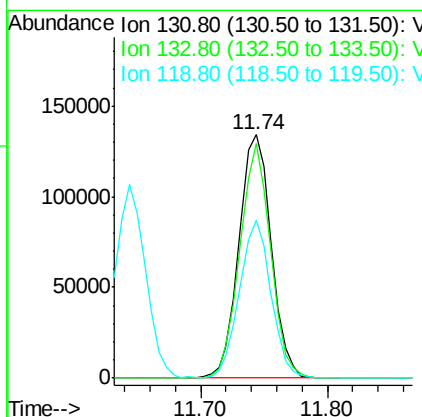
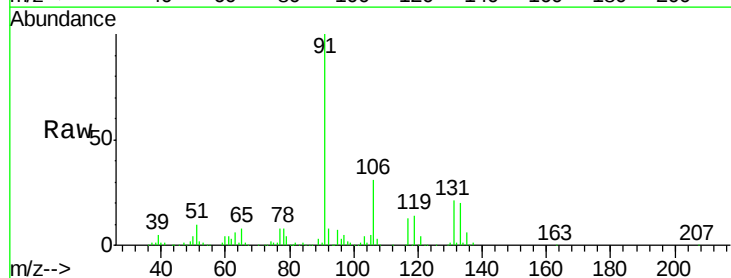
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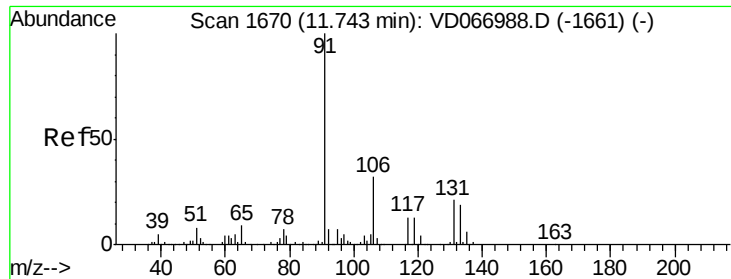
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.000 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.7	47.8	143.3
119	63.5	32.3	96.8





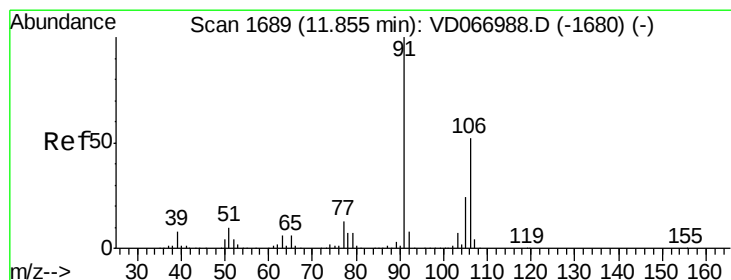
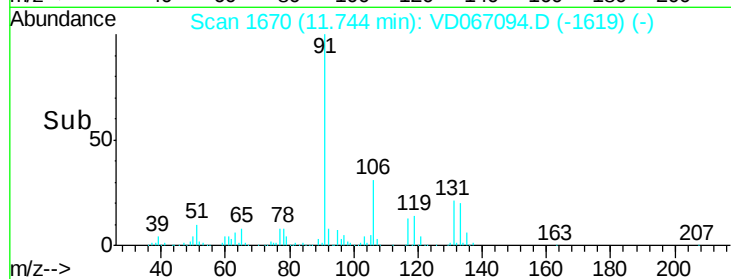
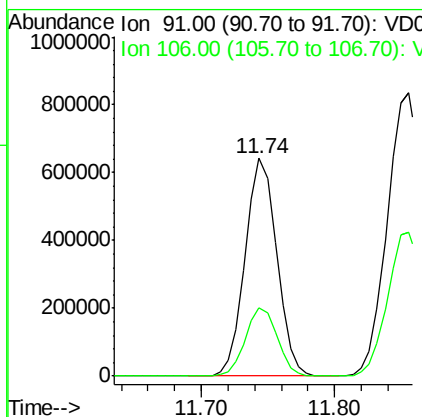
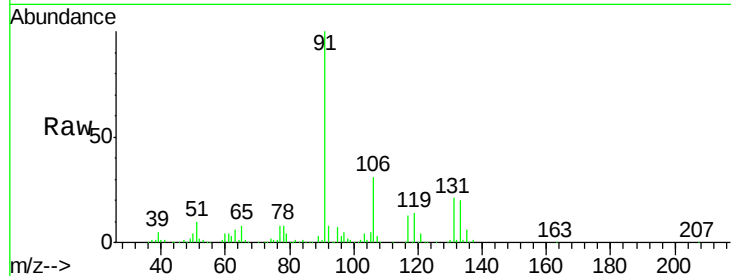
#67
Ethyl Benzene
Concen: 55.078 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1051979
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.2

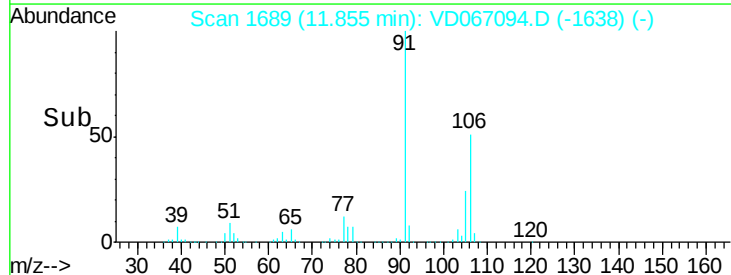
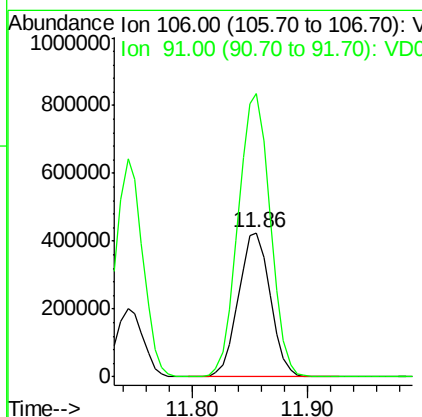
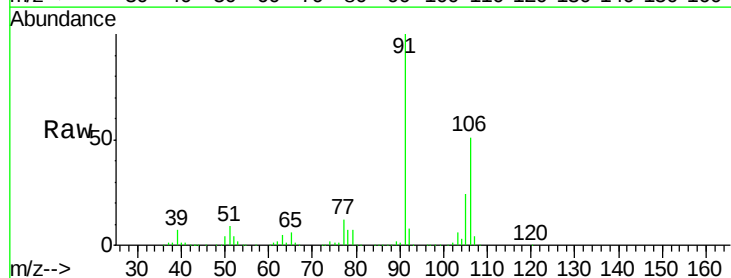
Manual Integrations
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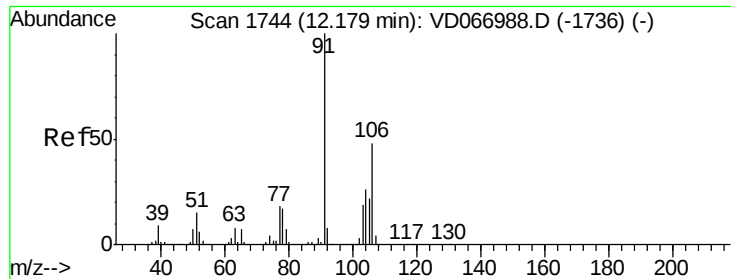
MMDadoda
10/6/2020 12:55:14 PM



#68
m/p-Xylenes
Concen: 109.515 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion: 106 Resp: 815165
Ion Ratio Lower Upper
106 100
91 197.8 158.4 237.6





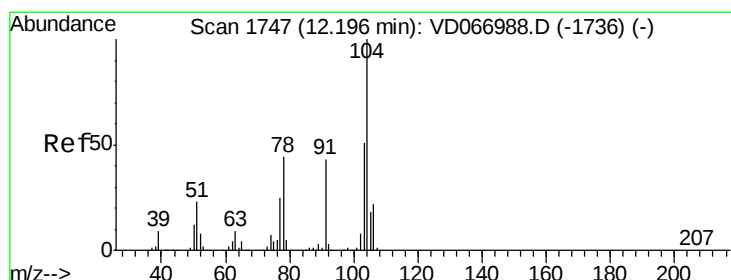
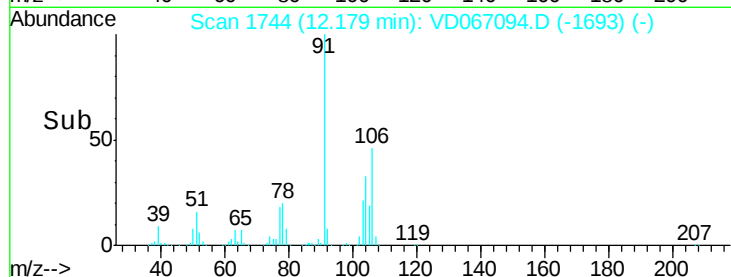
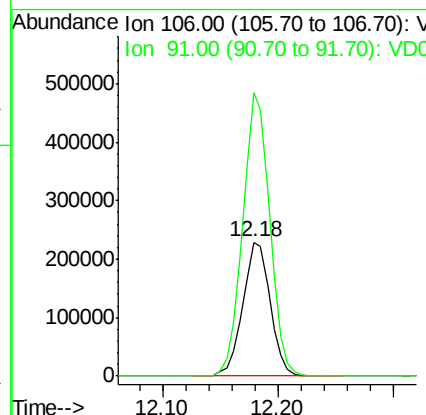
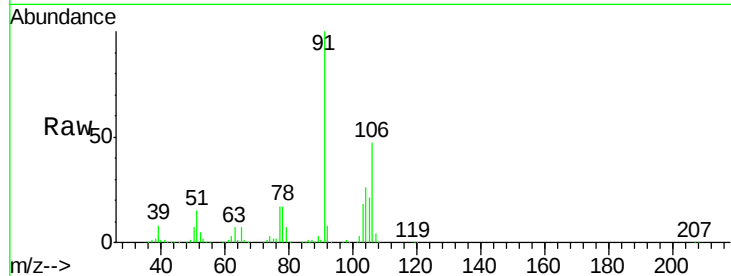
#69
o-Xylene
Concen: 56.465 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		375849		
91	208.7	102.4	307.2		

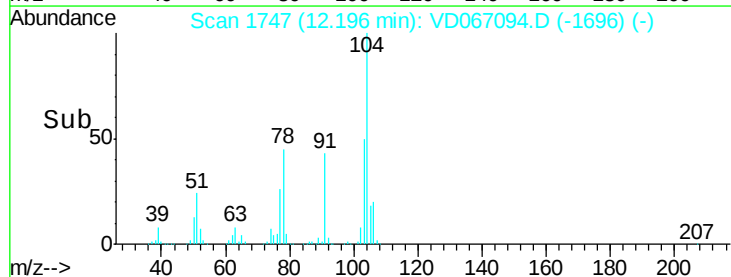
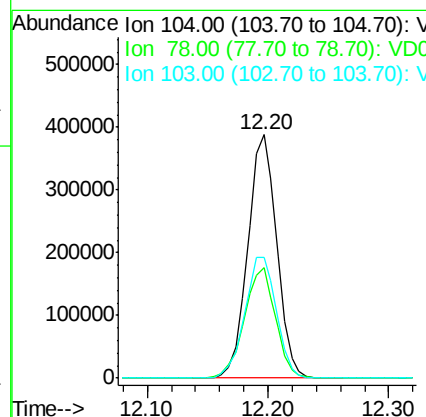
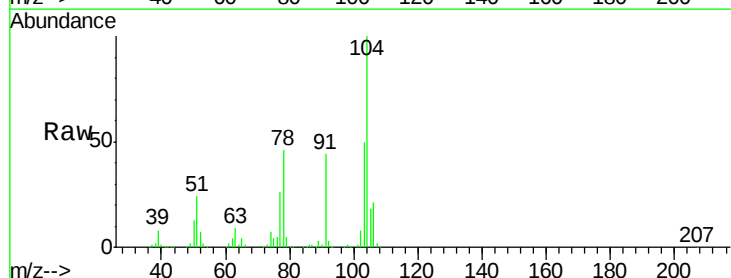
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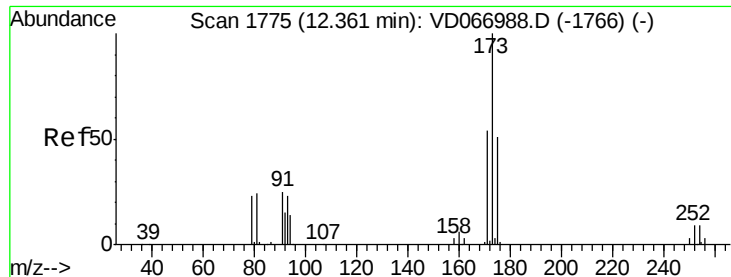
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10/6/2020 12:55:14 PM



#70
Styrene
Concen: 57.031 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		651853		
78	48.6	38.6	58.0		
103	54.3	43.4	65.0		





#71

Bromoform

Concen: 55.456 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

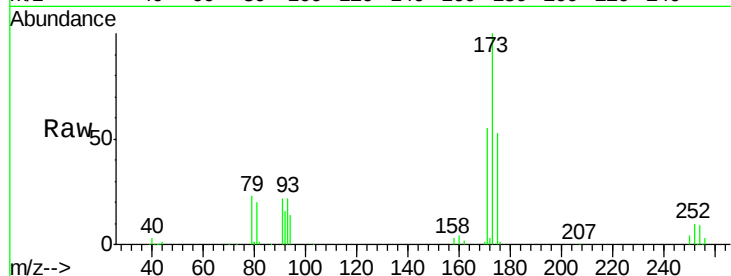
ClientSampleId :

VSTDCCC050EC

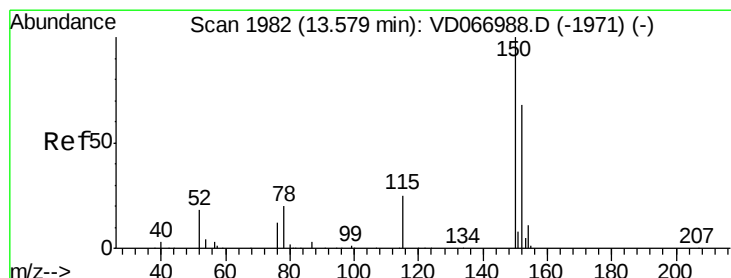
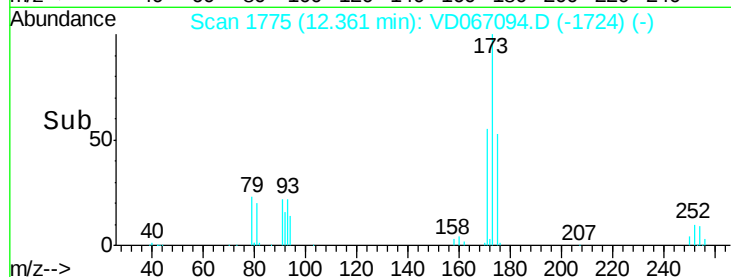
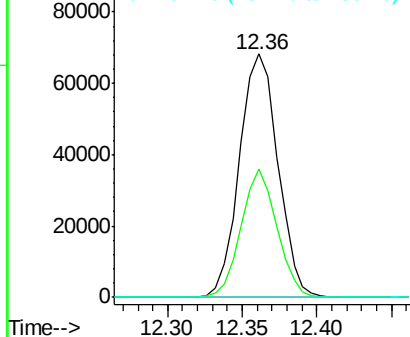
Tot Ion:	173	Resp:	122061
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.9	74.7
254	0.1	0.2	0.4#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

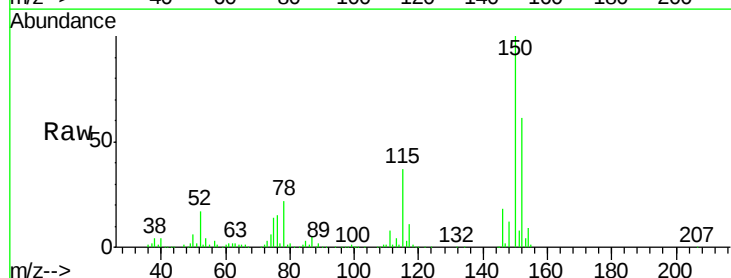
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

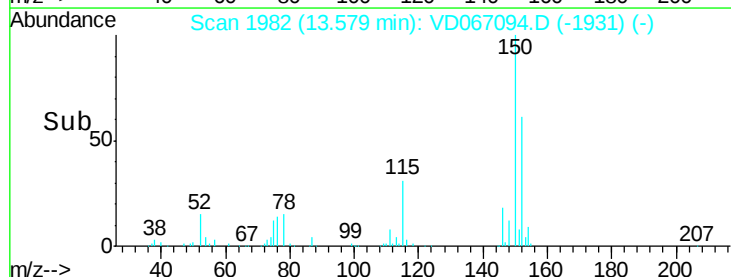
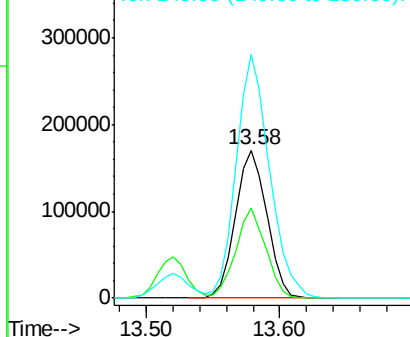
Lab File: VD067094.D

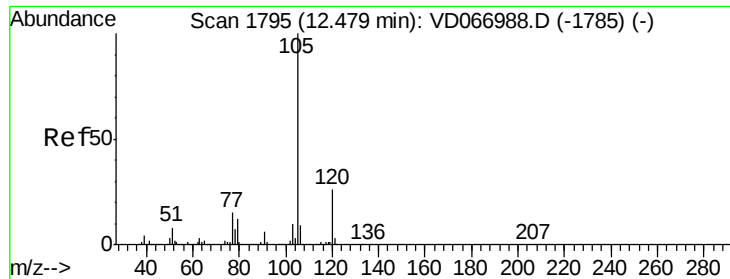
Acq: 05 Oct 2020 20:04

Tgt Ion:	152	Resp:	277070
Ion Ratio	Lower	Upper	
152	100		
115	58.0	29.6	88.8
150	175.3	0.0	344.8



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





#73

Isopropylbenzene

Concen: 54.996 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1034664

Ion Ratio Lower Upper

105 100

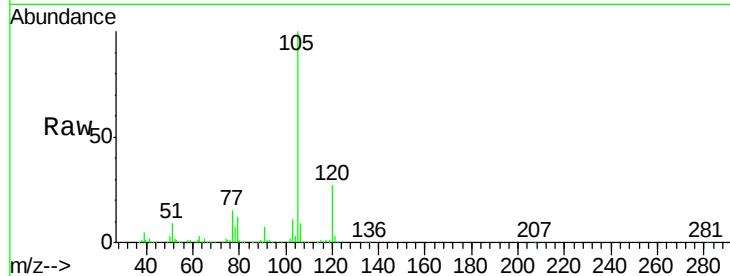
120 26.4 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

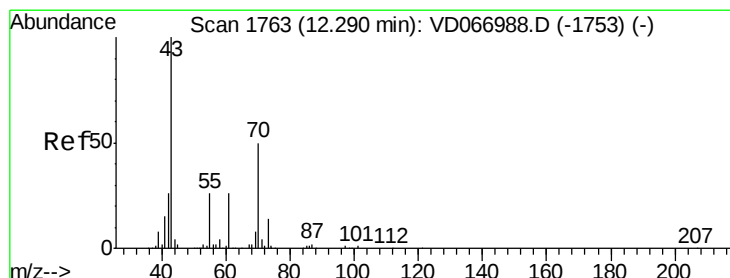
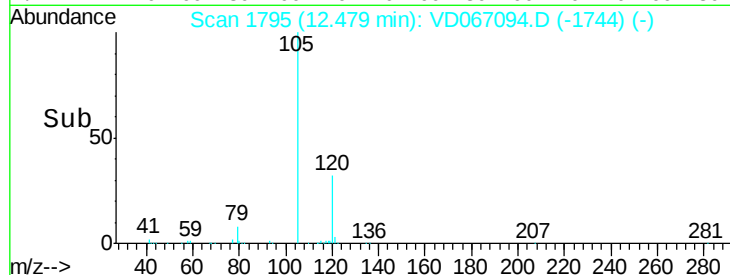
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 52.247 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Tgt Ion: 43 Resp: 176700

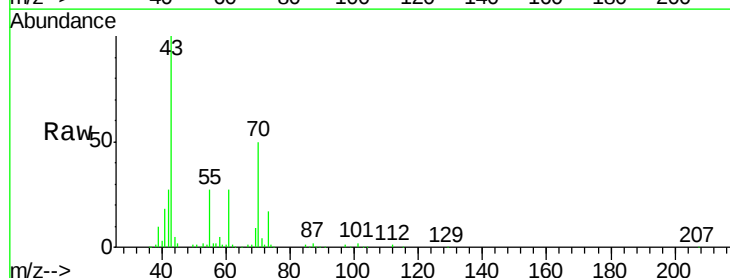
Ion Ratio Lower Upper

43 100

70 50.0 38.2 57.2

55 28.4 22.4 33.6

61 26.9 20.6 31.0



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

12.29

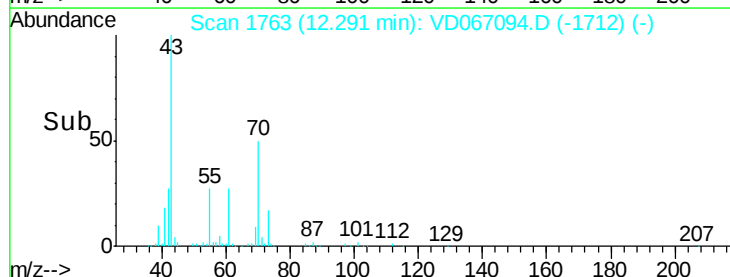
150000

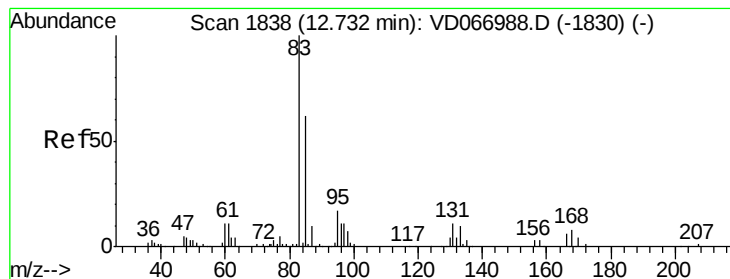
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.107 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

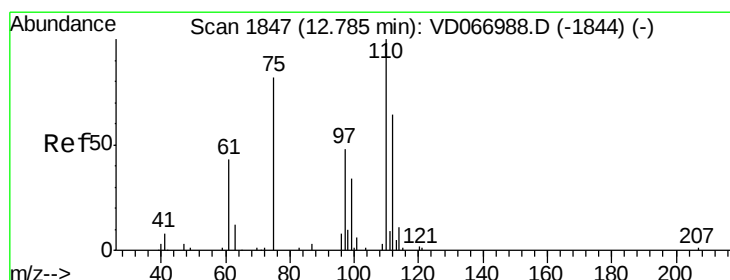
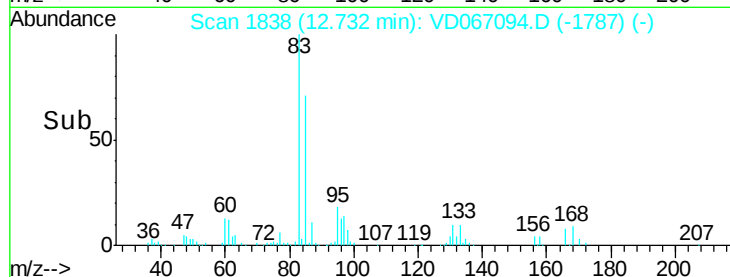
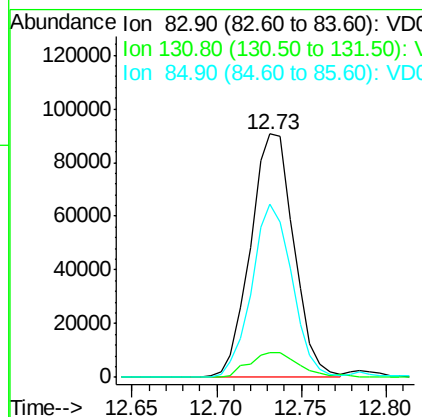
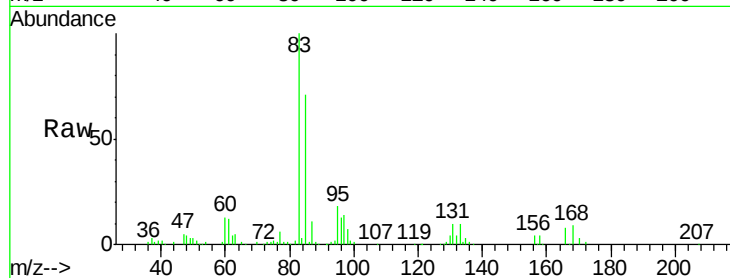
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	161998
Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.7	17.0
85	66.4	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 44.359 ug/l m

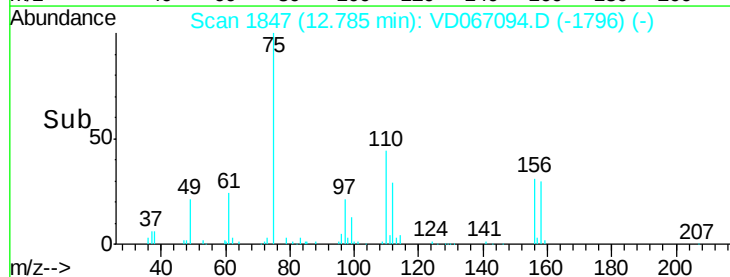
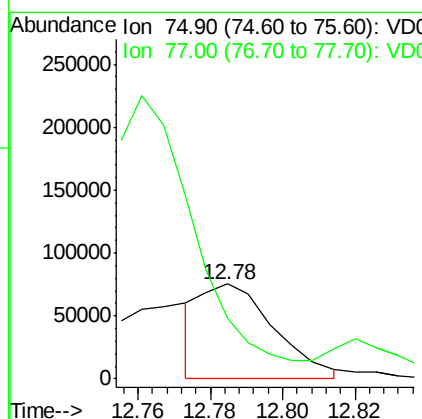
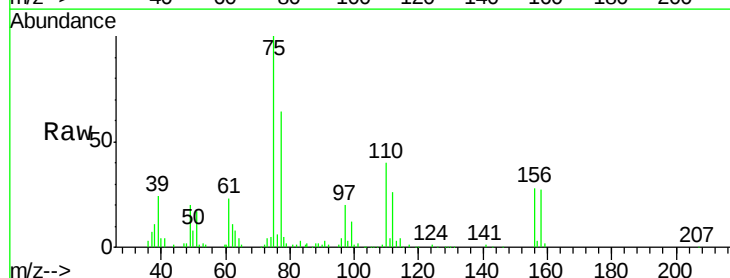
RT: 12.78 min Scan# 1847

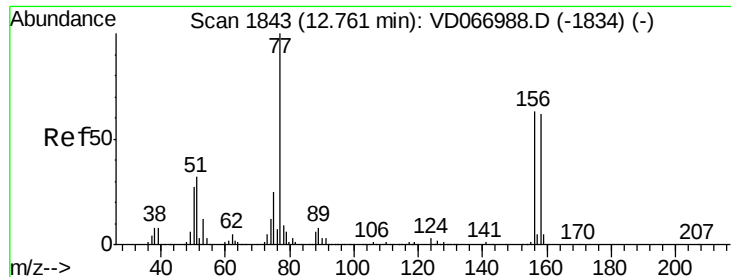
Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Tgt Ion:	75	Resp:	107054
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.404 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

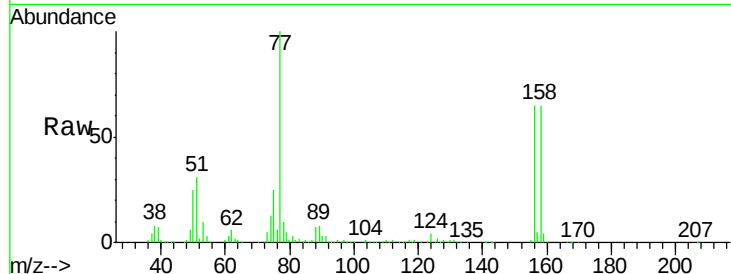
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
247143	156	100		
	77	167.1	86.3	258.8
	158	99.0	49.5	148.3

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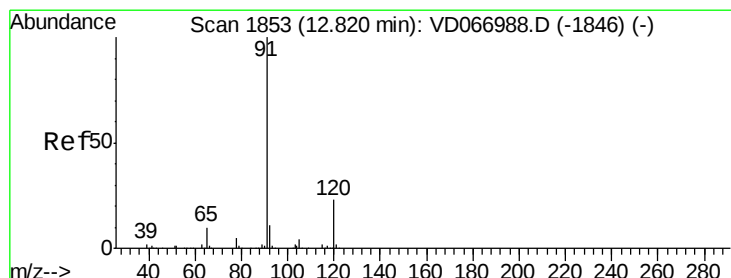
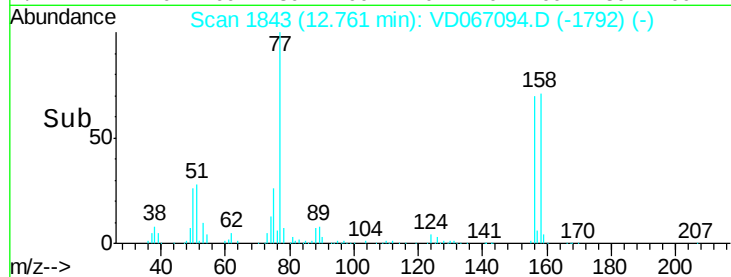
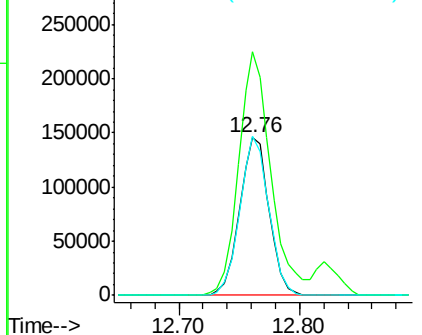


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.240 ug/l

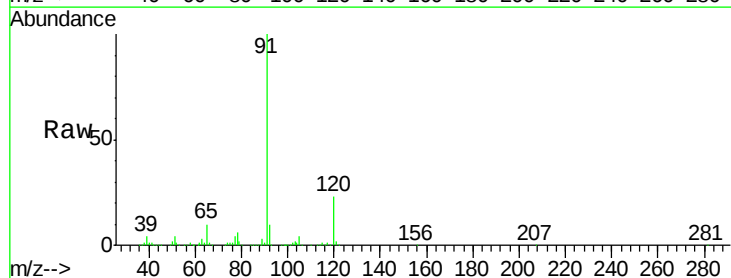
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

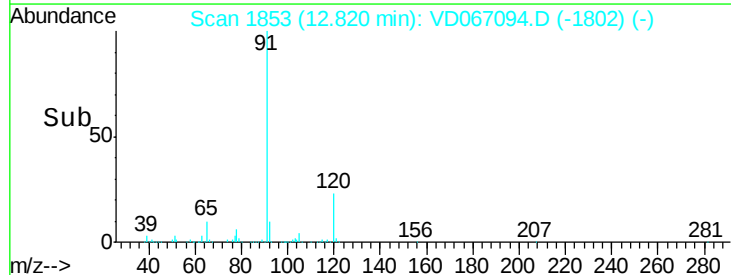
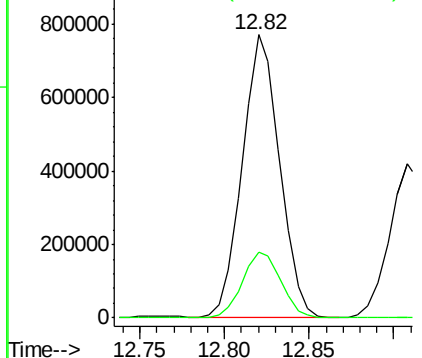
Tgt Ion	Ion	Ratio	Lower	Upper
1183758	91	100		
	120	24.0	11.6	34.8

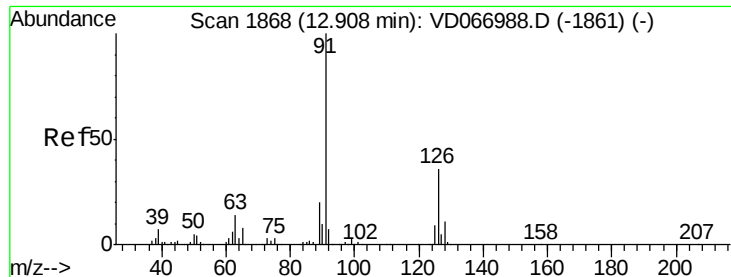


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.624 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 682158

Ion Ratio Lower Upper

91 100

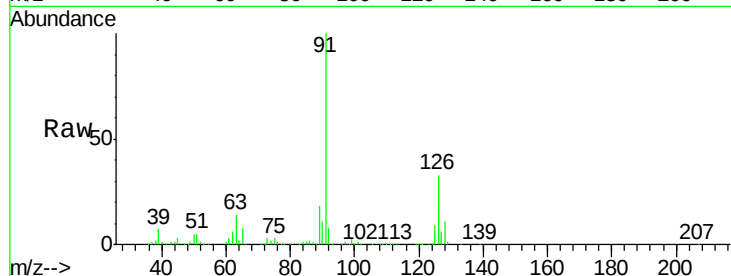
126 34.9 17.5 52.6

Manual Integrations

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

Ion 125.90 (125.60 to 126.60): VD066988.D (-1861) (-)

12.91

400000

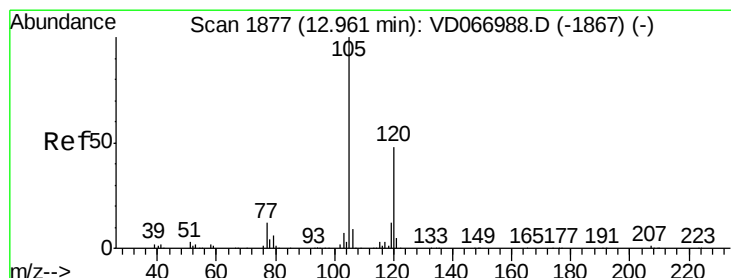
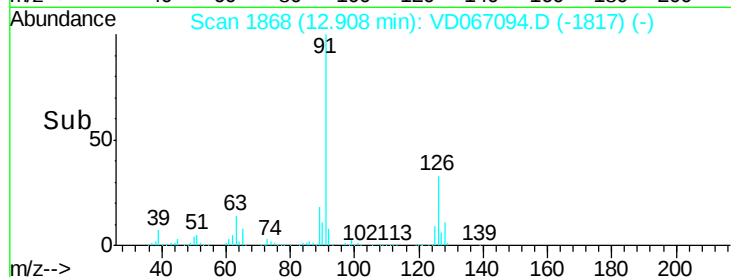
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.722 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067094.D

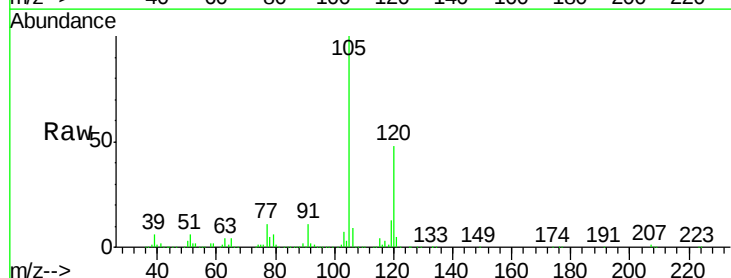
Acq: 05 Oct 2020 20:04

Tgt Ion: 105 Resp: 885706

Ion Ratio Lower Upper

105 100

120 48.5 24.6 74.0



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

Ion 120.00 (119.70 to 120.70): VD066988.D (-1867) (-)

12.96

600000

500000

400000

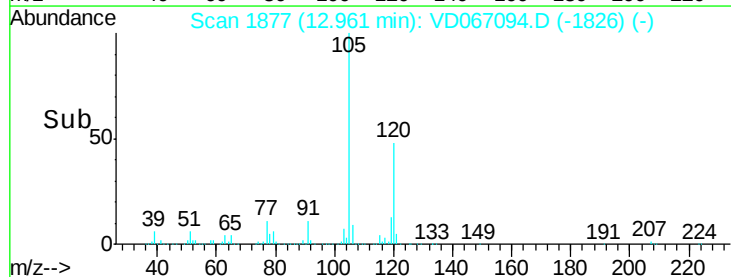
300000

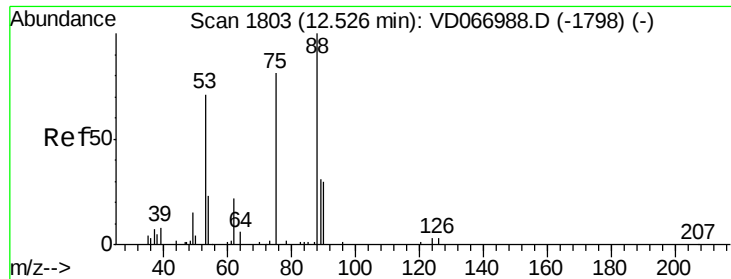
200000

100000

0

Time-->





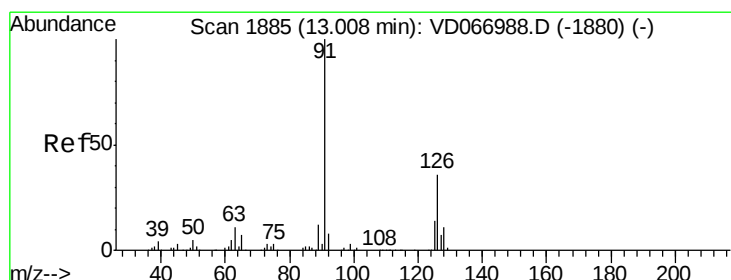
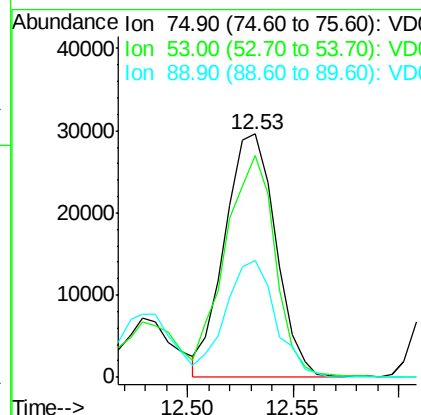
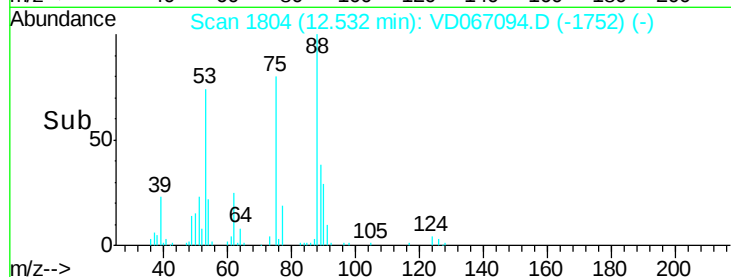
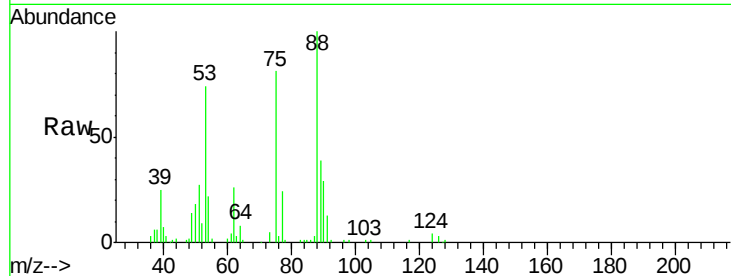
#81
trans-1,4-Dichloro-2-butene
Concen: 51.310 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.6	73.8	110.6
89	47.2	38.9	58.3

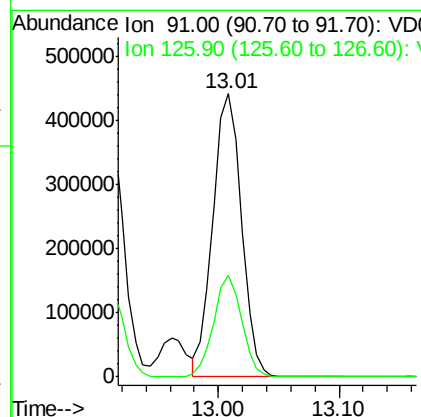
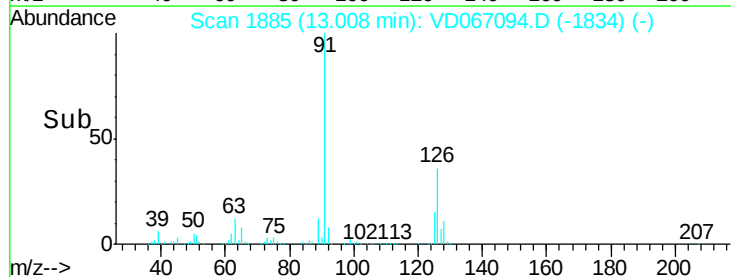
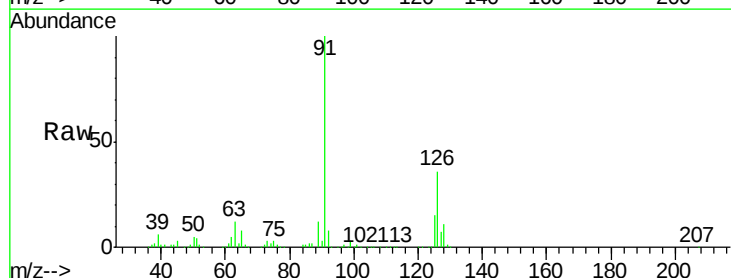
Manual Integrations
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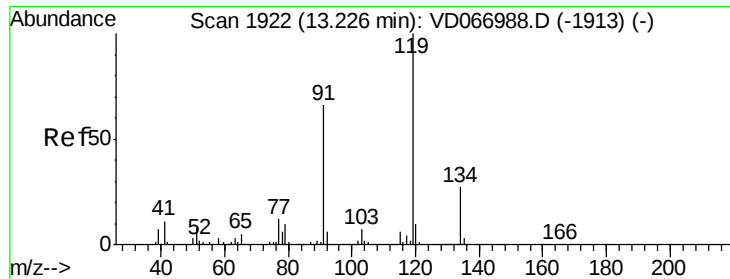
MMDadoda
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#82
4-Chlorotoluene
Concen: 53.416 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.5	52.5





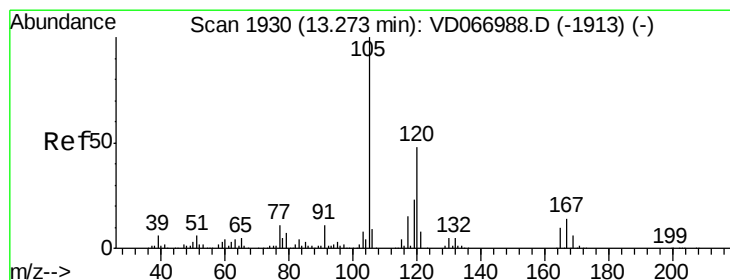
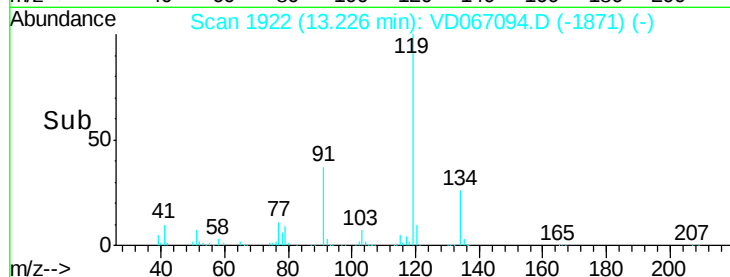
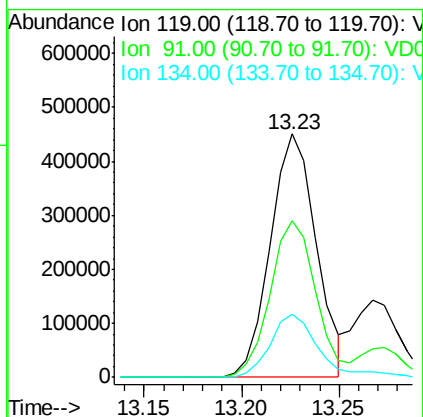
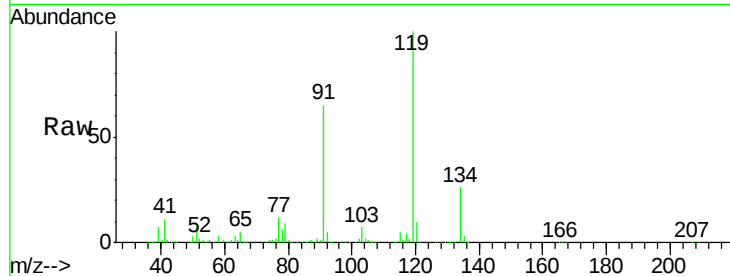
#83
tert-Butylbenzene
Concen: 54.839 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.8	98.3
134	27.5	13.9	41.7

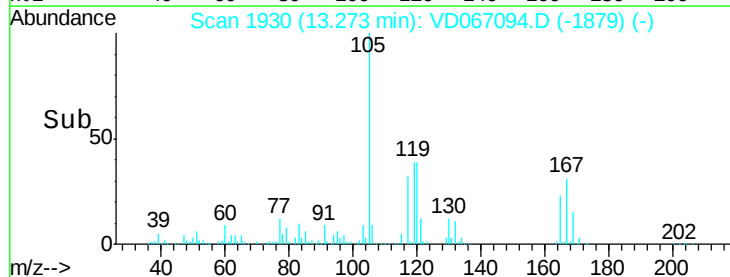
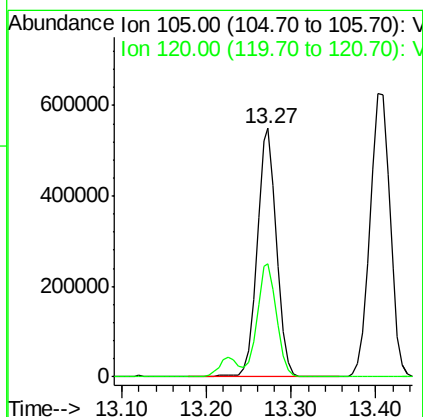
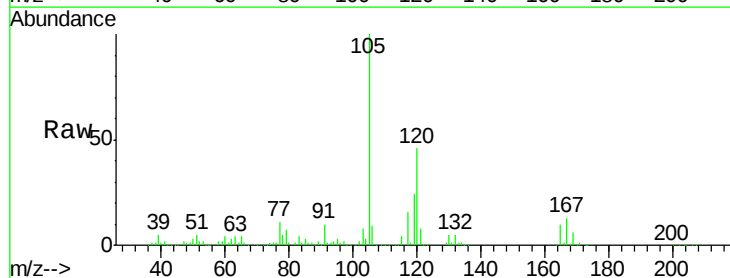
Manual Integrations
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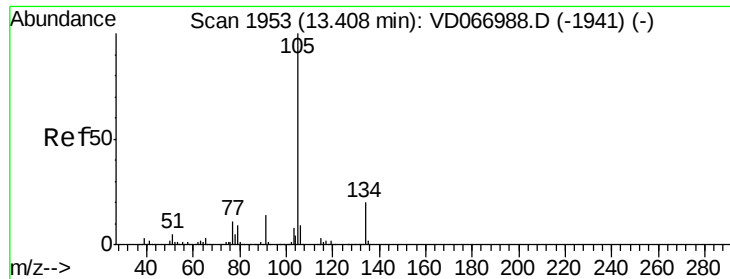
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 55.677 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.3	69.8





#85

sec-Butylbenzene

Concen: 54.404 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1025501

Ion Ratio Lower Upper

105 100

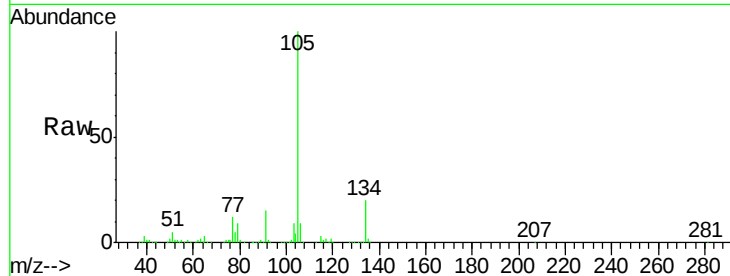
134 20.4 10.3 30.8

Manual Integrations

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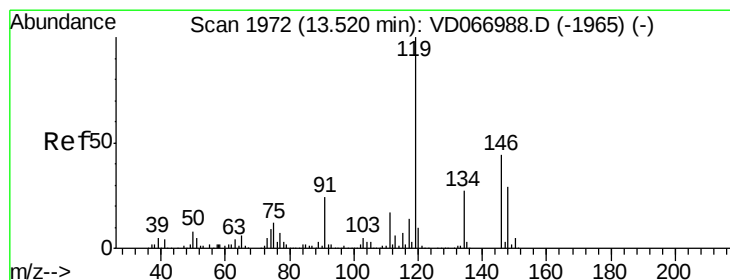
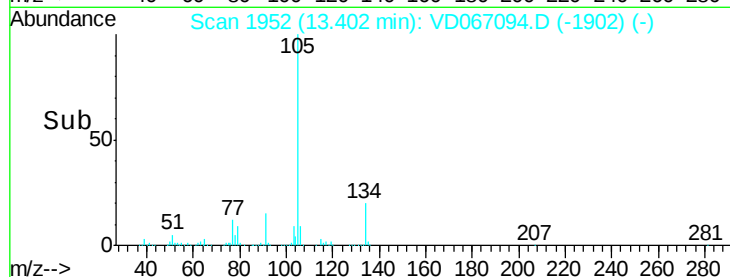
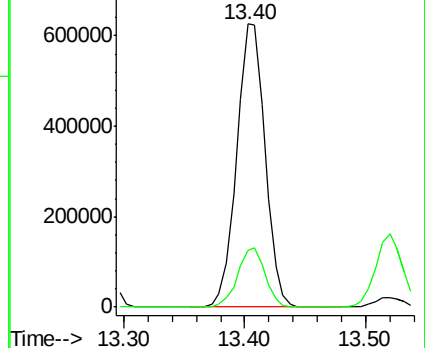
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.443 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067094.D

Acq: 05 Oct 2020 20:04

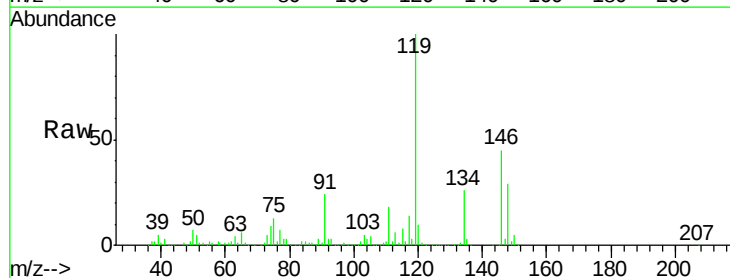
Tgt Ion:119 Resp: 951446

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

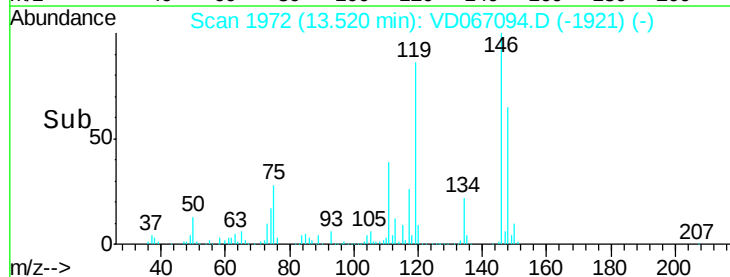
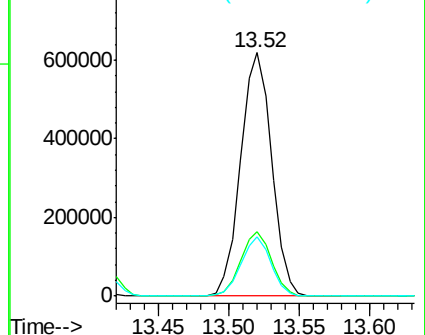
91 23.5 11.7 35.1

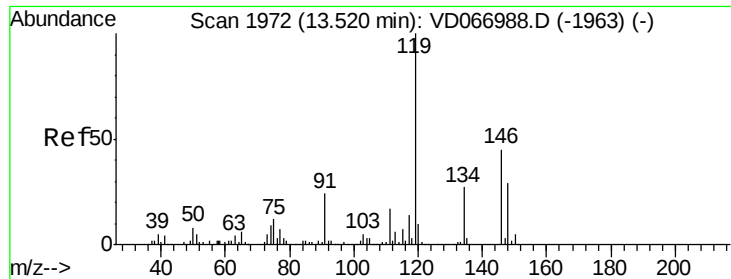


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





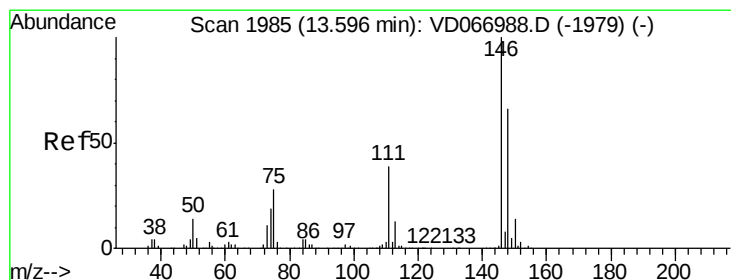
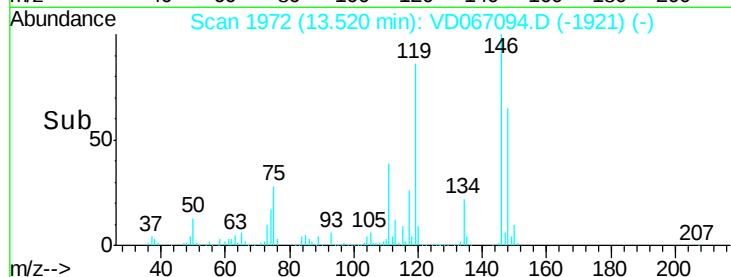
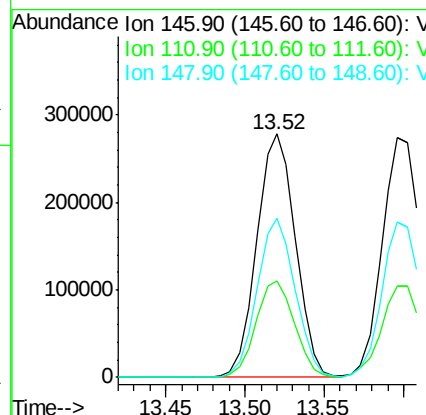
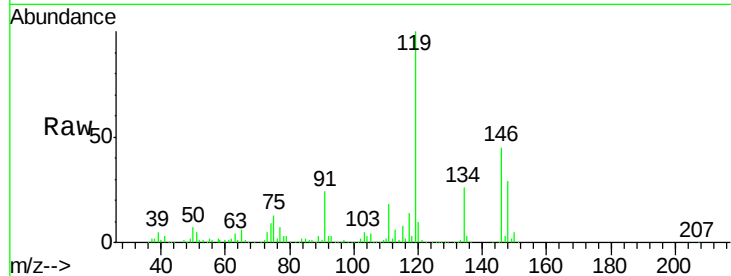
#87
 1,3-Dichlorobenzene
 Concen: 53.289 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	64.3	31.9	95.9

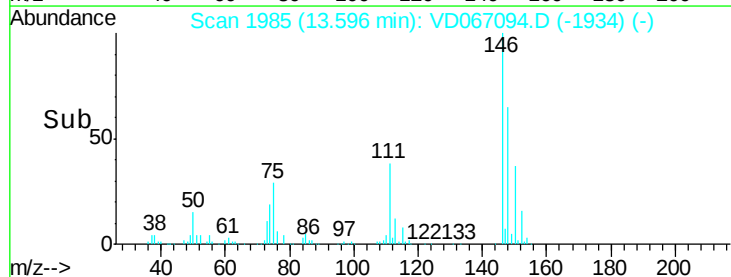
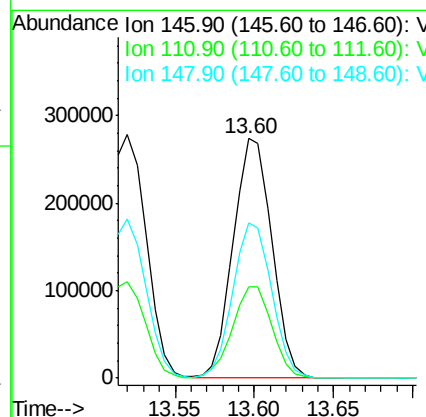
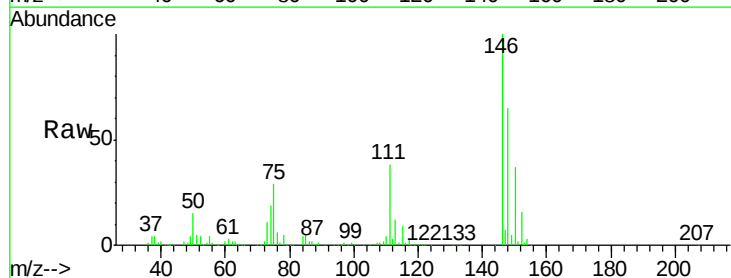
Manual Integrations
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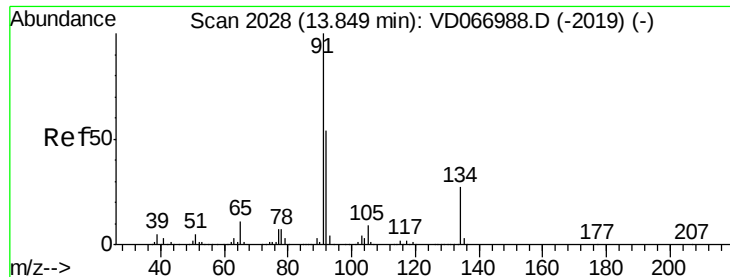
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#88
 1,4-Dichlorobenzene
 Concen: 52.549 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	65.0	32.6	97.7





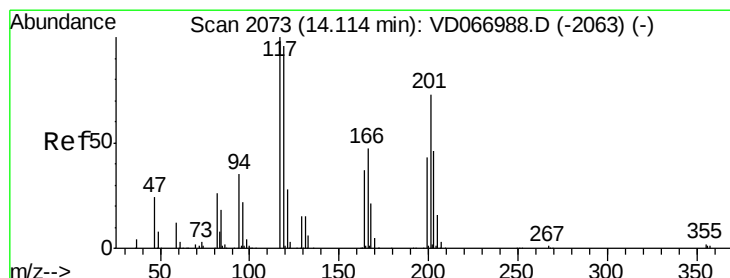
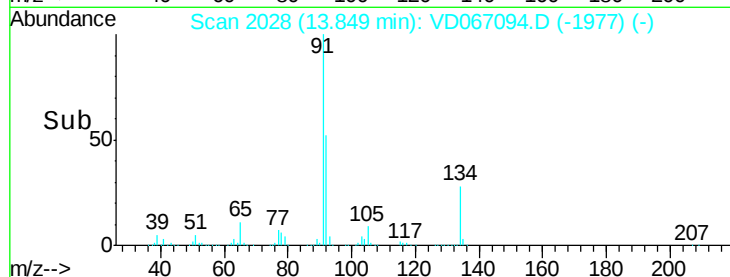
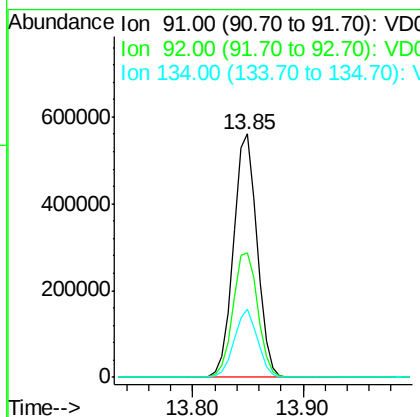
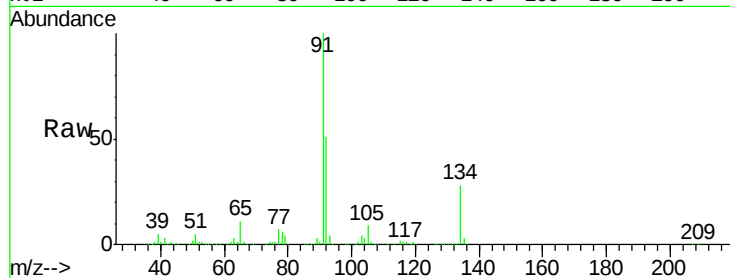
#89
n-Butylbenzene
Concen: 52.826 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.1	81.2
134	27.6	13.6	40.8

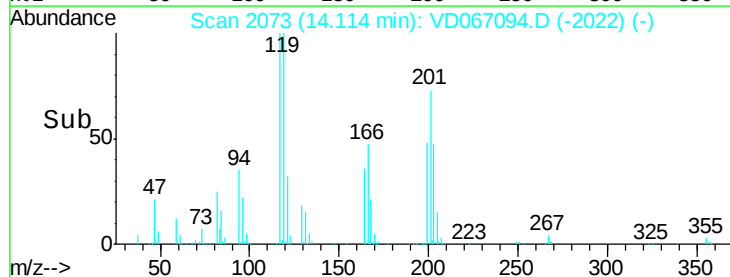
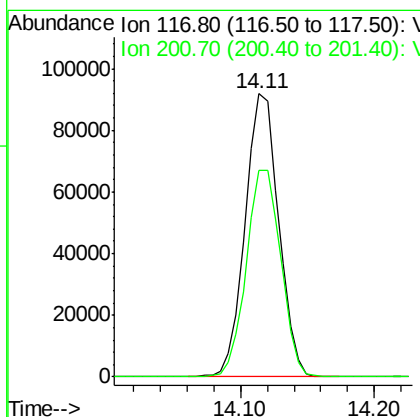
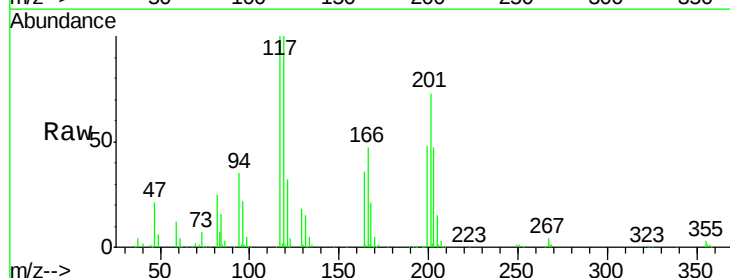
Manual Integrations
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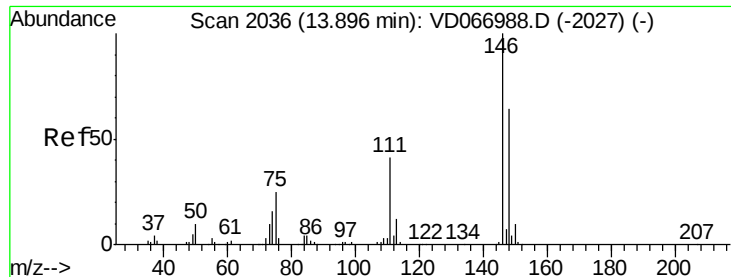
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#90
Hexachloroethane
Concen: 51.959 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.3	37.0	110.9





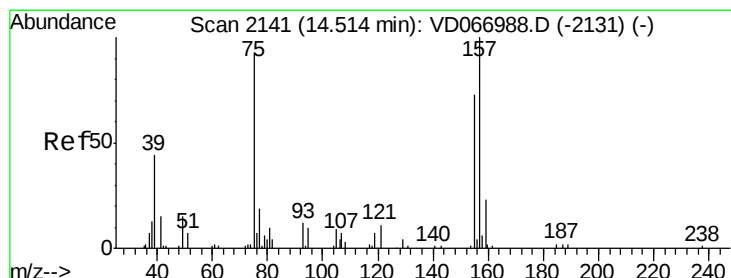
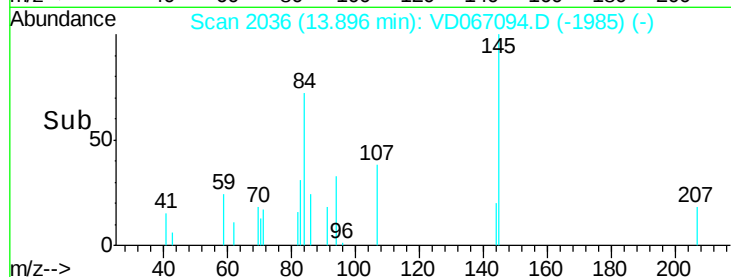
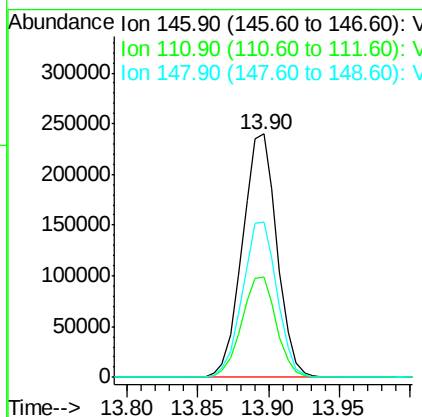
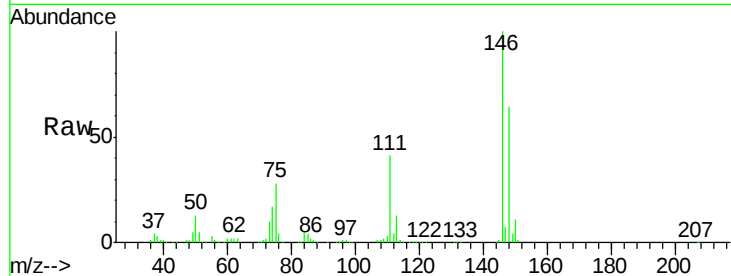
#91
 1,2-Dichlorobenzene
 Concen: 53.140 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.9	62.7
148	64.0	32.3	96.9

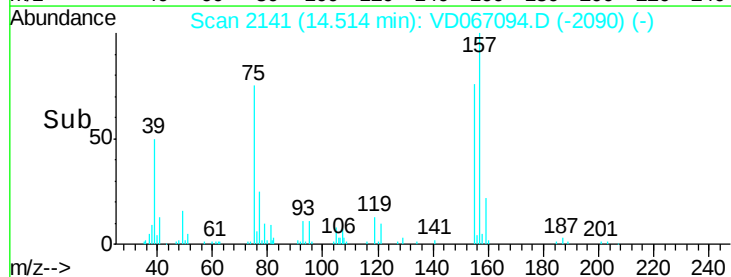
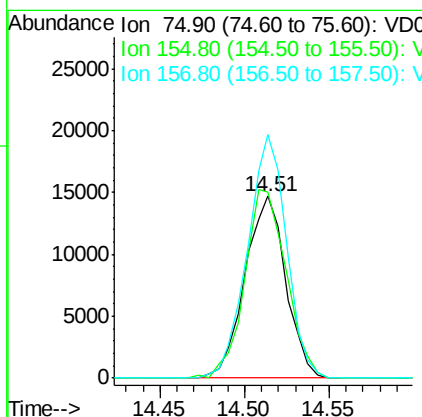
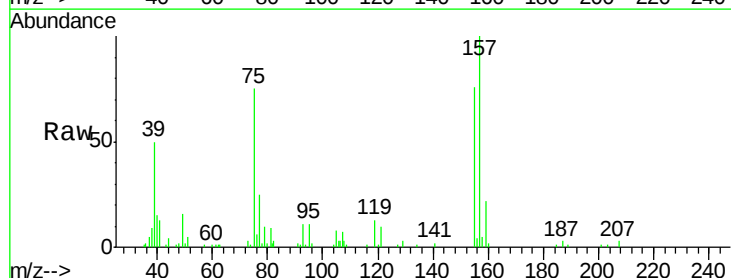
Manual Integrations
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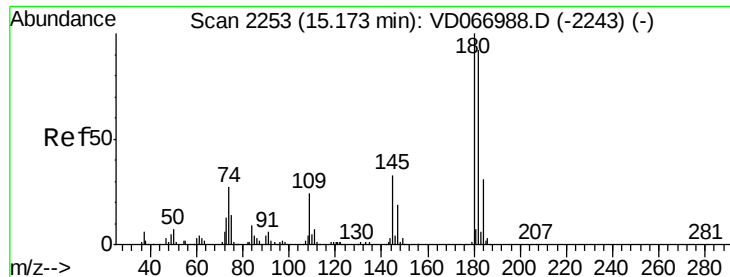
MMDadoda
 10/6/2020 12:55:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.299 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.5	45.2	135.6
157	127.8	56.3	168.8





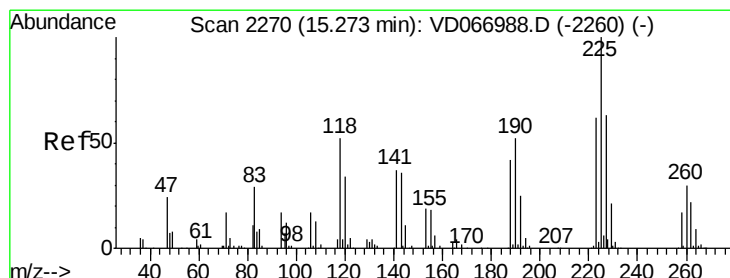
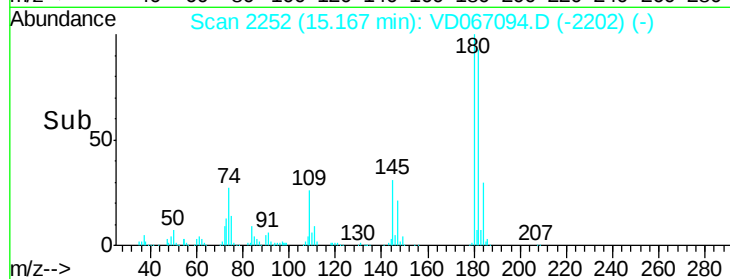
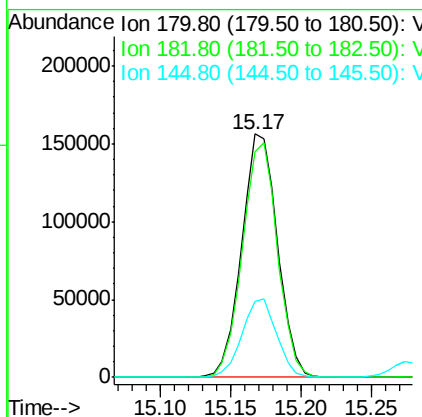
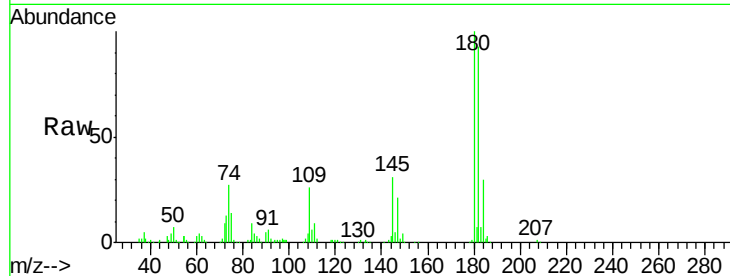
#93
 1,2,4-Trichlorobenzene
 Concen: 55.612 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	277977		
182	94.8	47.3	142.0	
145	31.3	16.4	49.1	

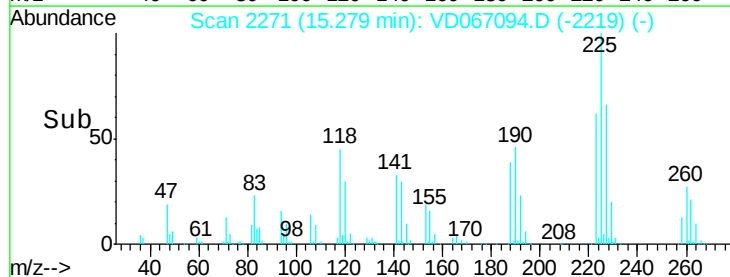
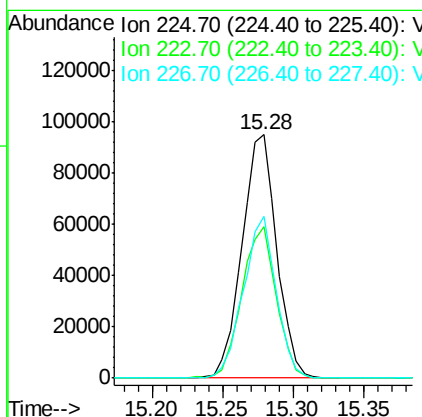
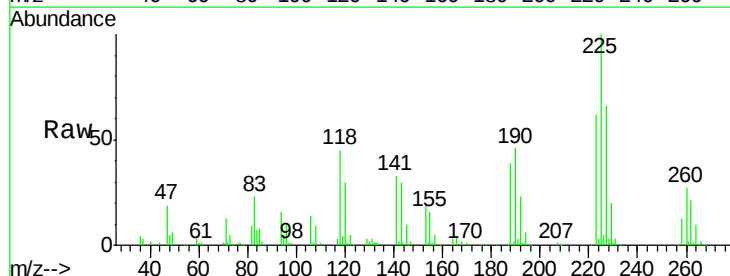
Manual Integrations
 APPROVED

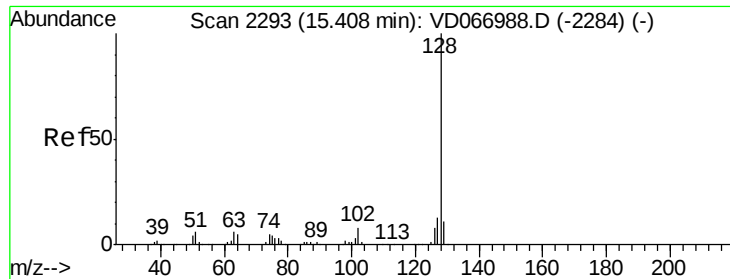
MMDadoda
 10/6/2020 12:55:14 PM



#94
 Hexachlorobutadiene
 Concen: 53.310 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067094.D
 Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163649		
223	61.9	32.4	97.0	
227	63.1	31.6	95.0	





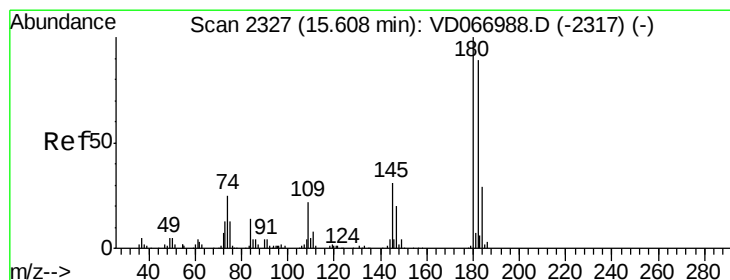
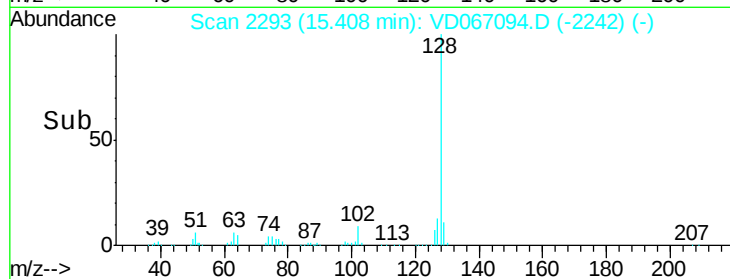
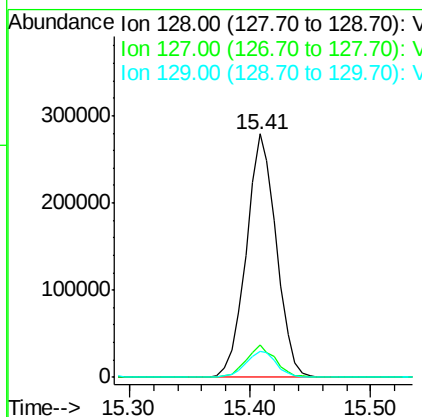
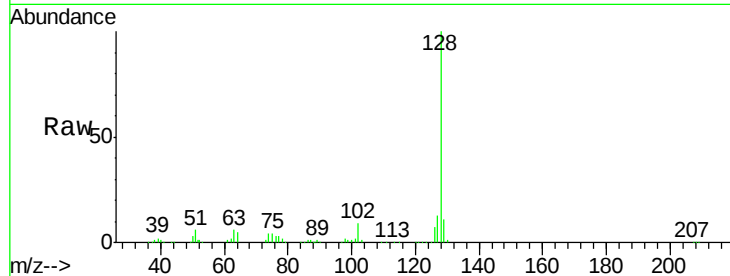
#95
Naphthalene
Concen: 57.987 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:55:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 56.041 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067094.D
Acq: 05 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.4	139.1
145	33.4	16.6	49.7

