

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067502.D
 Acq On : 03 Nov 2020 10:43
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:43:16 AM

Quant Time: Nov 04 00:35:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	323215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	482682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	432840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	223150	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	31582	11.17	ug/l	0.00
Spiked Amount			Recovery	=	22.34%	
35) Dibromofluoromethane	7.93	113	31584	10.86	ug/l	0.00
Spiked Amount			Recovery	=	21.72%	
50) Toluene-d8	10.35	98	115335	11.29	ug/l	0.00
Spiked Amount			Recovery	=	22.58%	
62) 4-Bromofluorobenzene	12.64	95	39096	11.08	ug/l	0.00
Spiked Amount			Recovery	=	22.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	35172	11.900	ug/l	93
3) Chloromethane	2.21	50	22984	11.419	ug/l	93
4) Vinyl Chloride	2.36	62	23645	10.537	ug/l #	85
5) Bromomethane	2.78	94	20176	11.093	ug/l	85
6) Chloroethane	2.93	64	15360	11.103	ug/l	98
7) Trichlorofluoromethane	3.28	101	64254	11.059	ug/l	97
8) Diethyl Ether	3.71	74	11723	10.013	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	31725	10.817	ug/l	99
10) Methyl Iodide	4.30	142	29265	9.310	ug/l	95
11) Tert butyl alcohol	5.22	59	8137m	56.863	ug/l	
12) 1,1-Dichloroethene	4.08	96	29023	10.758	ug/l	95
13) Acrolein	3.93	56	3529	34.368	ug/l	99
14) Allyl chloride	4.72	41	30062	10.412	ug/l	95
15) Acrylonitrile	5.43	53	22691	52.431	ug/l	97
16) Acetone	4.16	43	21508	50.856	ug/l #	88
17) Carbon Disulfide	4.42	76	88397	10.693	ug/l	96
18) Methyl Acetate	4.72	43	9131	10.448	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	53082	9.975	ug/l	94
20) Methylene Chloride	4.97	84	33428	11.189	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	33209	10.569	ug/l	97
22) Diisopropyl ether	6.37	45	58095	10.325	ug/l	97
23) Vinyl Acetate	6.31	43	145331	49.252	ug/l	96
24) 1,1-Dichloroethane	6.27	63	50433	10.957	ug/l	98
25) 2-Butanone	7.21	43	23272	51.498	ug/l	93
26) 2,2-Dichloropropane	7.21	77	51254	10.551	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	34101	10.456	ug/l	96
28) Bromochloromethane	7.56	49	16995	10.380	ug/l	100
29) Tetrahydrofuran	7.57	42	13898	51.343	ug/l	96
30) Chloroform	7.72	83	59758	10.882	ug/l	99
31) Cyclohexane	8.00	56	46465	11.336	ug/l #	96
32) 1,1,1-Trichloroethane	7.91	97	62375	11.009	ug/l	96
36) 1,1-Dichloropropene	8.12	75	43859	10.615	ug/l	99
37) Ethyl Acetate	7.29	43	11558	10.775	ug/l	96
38) Carbon Tetrachloride	8.10	117	58329	10.866	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	50608	10.407	ug/l	95
40) Benzene	8.36	78	118983	10.631	ug/l	99
41) Methacrylonitrile	7.52	41	7104m	13.167	ug/l	
42) 1,2-Dichloroethane	8.43	62	36366	10.517	ug/l	100
43) Isopropyl Acetate	8.46	43	21727	10.242	ug/l	96
44) Trichloroethene	9.12	130	38371	10.427	ug/l	92
45) 1,2-Dichloropropane	9.39	63	25527	10.550	ug/l	94
46) Dibromomethane	9.48	93	16185	10.520	ug/l	98
47) Bromodichloromethane	9.67	83	43040	10.292	ug/l	100
48) Methyl methacrylate	9.47	41	10748	9.813	ug/l	89
49) 1,4-Dioxane	9.47	88	3741	239.520	ug/l #	94
51) 4-Methyl-2-Pentanone	10.24	43	51422	50.684	ug/l	97
52) Toluene	10.41	92	77150	10.292	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	36462	10.181	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	44342	10.421	ug/l	92
55) 1,1,2-Trichloroethane	10.81	97	21574	10.598	ug/l #	89
56) Ethyl methacrylate	10.67	69	21923	10.429	ug/l	93
57) 1,3-Dichloropropane	10.95	76	34438	10.513	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	46931	47.874	ug/l	98
59) 2-Hexanone	10.99	43	35708	50.337	ug/l	94
60) Dibromochloromethane	11.14	129	32478	10.785	ug/l	98
61) 1,2-Dibromoethane	11.25	107	21628	10.586	ug/l	100
64) Tetrachloroethene	10.88	164	34631	10.803	ug/l	94
65) Chlorobenzene	11.68	112	89358	10.717	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	35352	10.758	ug/l	97
67) Ethyl Benzene	11.75	91	145674	10.210	ug/l	98
68) m/p-Xylenes	11.86	106	114526	20.633	ug/l	100
69) o-Xylene	12.18	106	49922	10.074	ug/l	96
70) Styrene	12.20	104	90899	10.526	ug/l	97
71) Bromoform	12.37	173	17613	10.509	ug/l #	86
73) Isopropylbenzene	12.48	105	143813	9.972	ug/l	100
74) N-amyl acetate	12.30	43	18784	9.898	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	20307	10.326	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	14706m	10.450	ug/l	
77) Bromobenzene	12.77	156	36669	10.353	ug/l	98
78) n-propylbenzene	12.83	91	168257	10.200	ug/l	99
79) 2-Chlorotoluene	12.91	91	94547	10.090	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	125143	10.158	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	7607	11.473	ug/l #	87
82) 4-Chlorotoluene	13.01	91	105408	10.488	ug/l	98
83) tert-Butylbenzene	13.23	119	102374	9.805	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	124643	10.164	ug/l	97
85) sec-Butylbenzene	13.41	105	141685	10.052	ug/l	99
86) p-Isopropyltoluene	13.53	119	140571	10.328	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	72024	10.657	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	74191	10.842	ug/l	98
89) n-Butylbenzene	13.85	91	116171	9.881	ug/l	99
90) Hexachloroethane	14.12	117	25544	9.966	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	60539	10.350	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3864	11.097	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	39460	9.940	ug/l	98
94) Hexachlorobutadiene	15.27	225	27073	10.190	ug/l	97
95) Naphthalene	15.41	128	55630	9.080	ug/l	96
96) 1,2,3-Trichlorobenzene	15.60	180	32814	9.653	ug/l	95

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

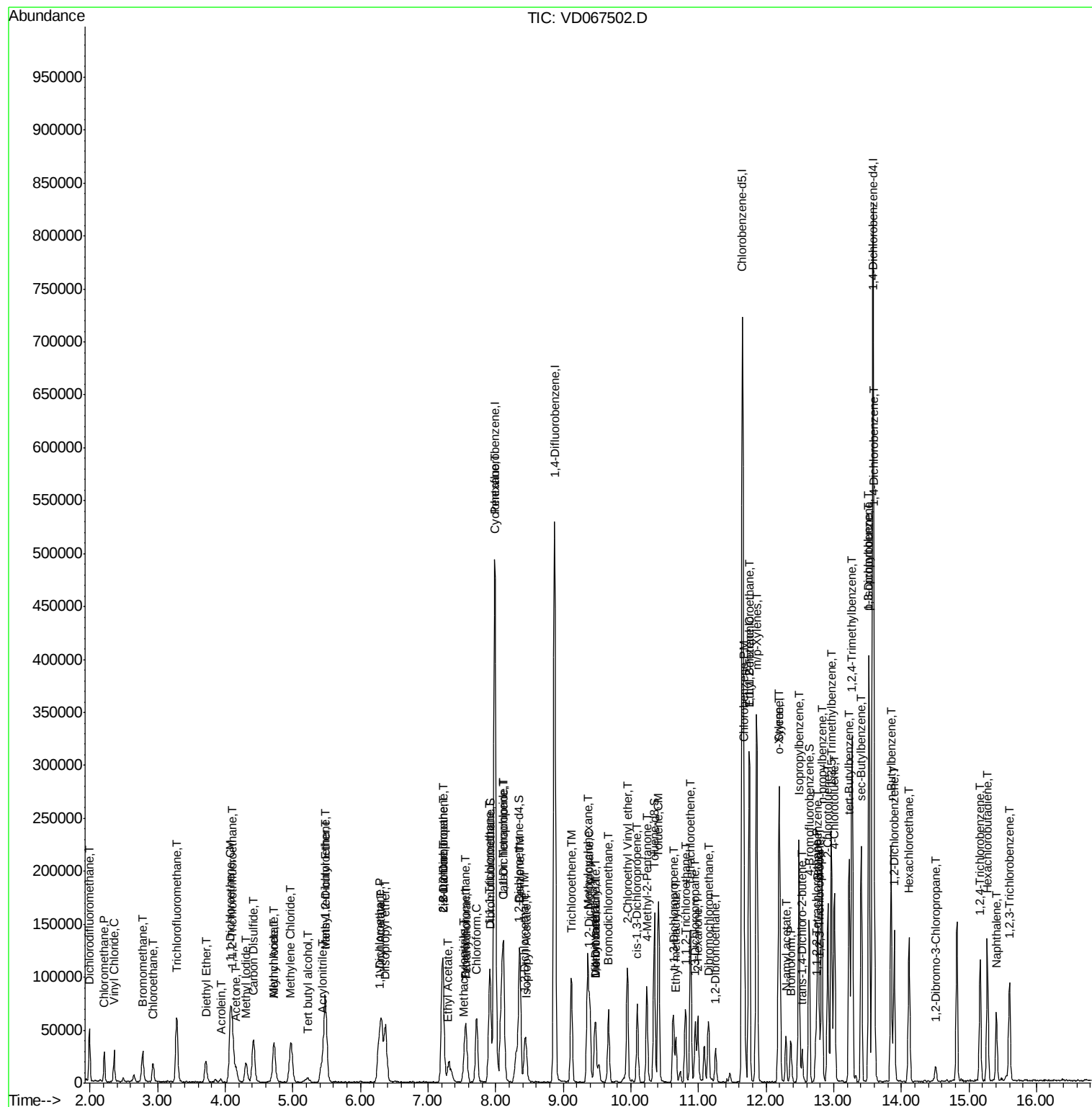
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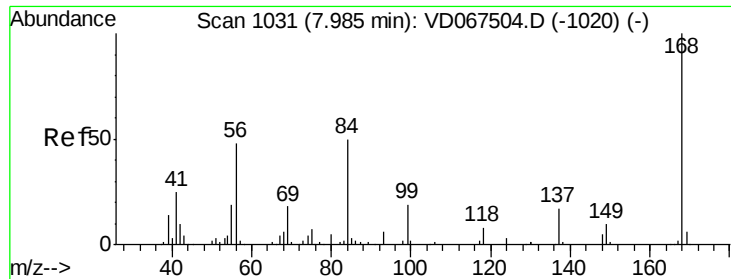
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 323215

Ion Ratio Lower Upper

168 100

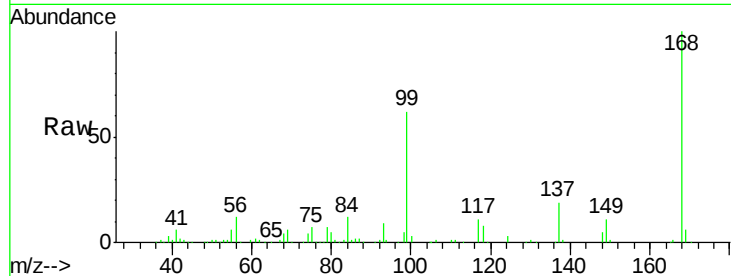
99 61.4 45.0 67.6

Manual Integrations

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11/4/2020 10:43:16 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

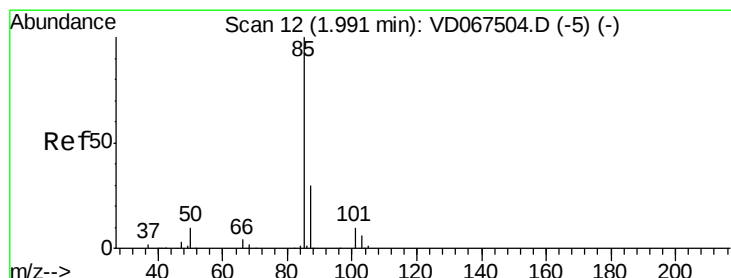
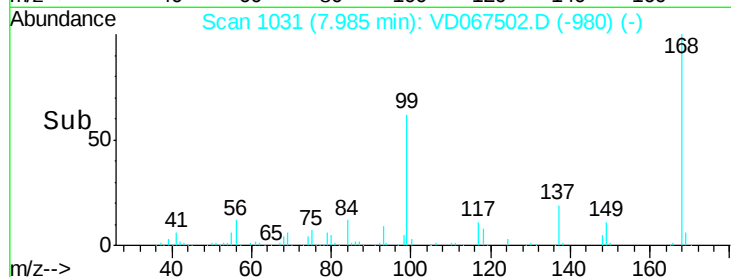
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 11.900 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067502.D

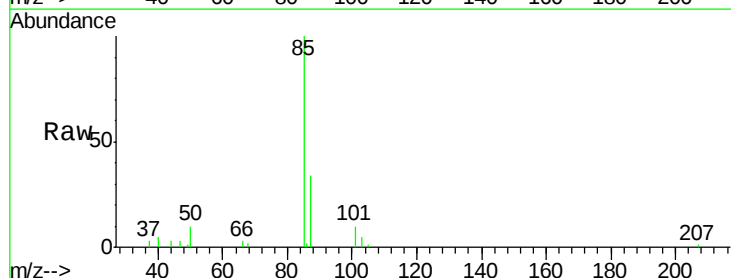
Acq: 03 Nov 2020 10:43

Tgt Ion: 85 Resp: 35172

Ion Ratio Lower Upper

85 100

87 34.5 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

25000

20000

15000

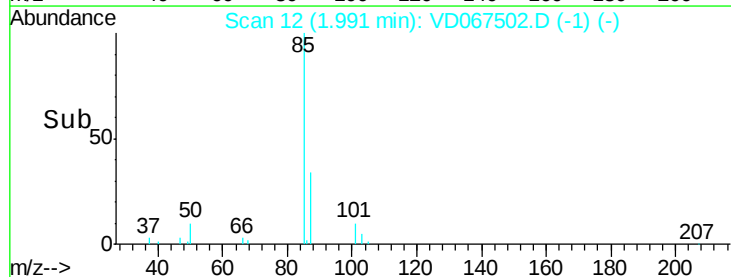
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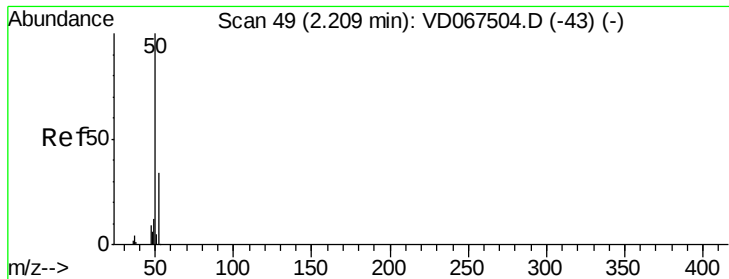
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 11.419 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 22984

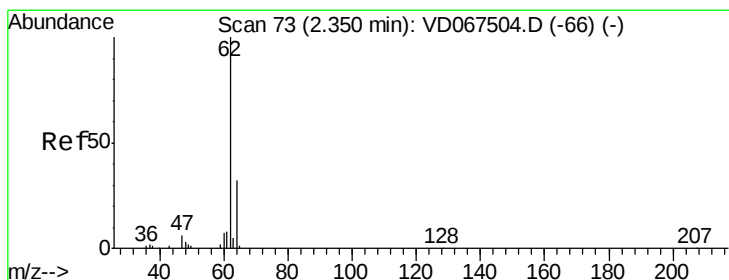
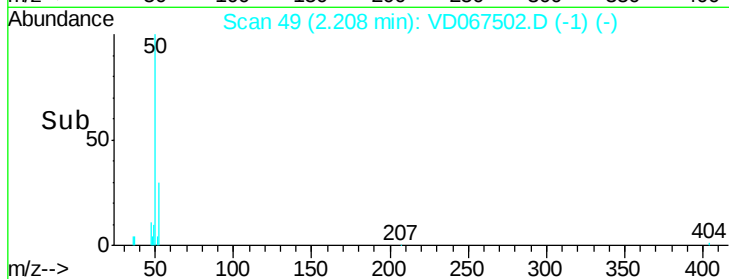
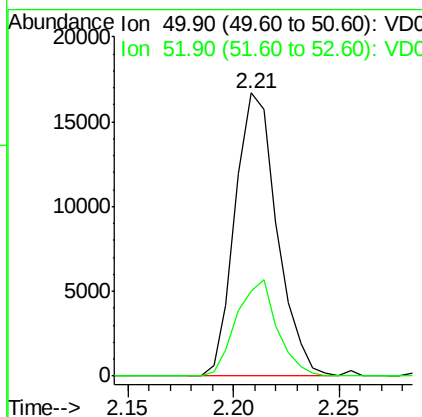
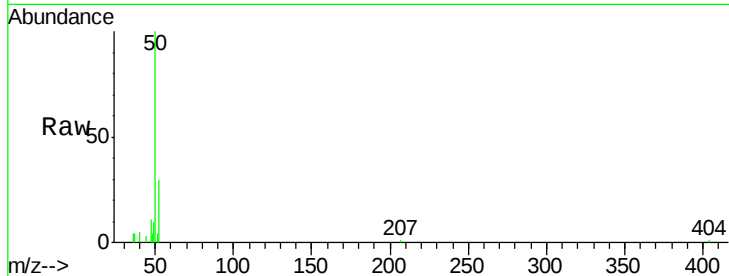
Ion Ratio Lower Upper

50 100

52 30.1 27.3 40.9

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#4

Vinyl Chloride

Concen: 10.537 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067502.D

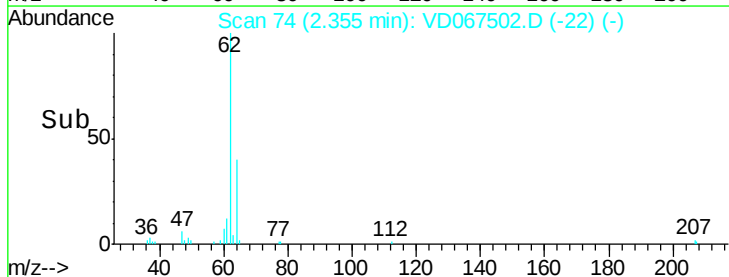
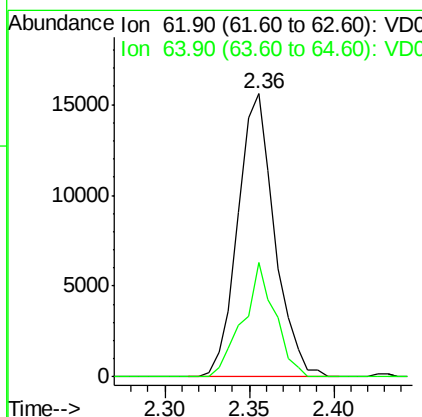
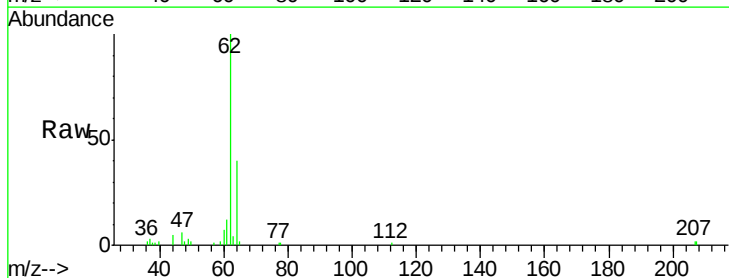
Acq: 03 Nov 2020 10:43

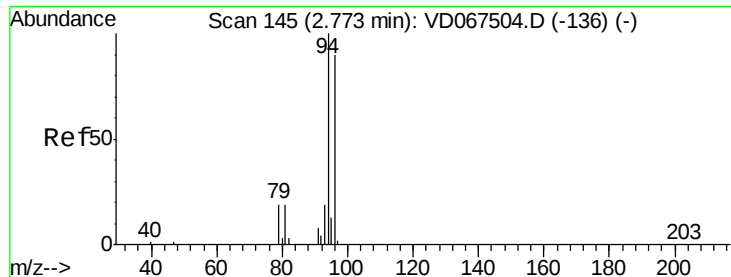
Tgt Ion: 62 Resp: 23645

Ion Ratio Lower Upper

62 100

64 40.2 25.6 38.4#





#5

Bromomethane

Concen: 11.093 ug/l

RT: 2.78 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

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ClientSampleId :

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Tot Ion: 94 Resp: 20176

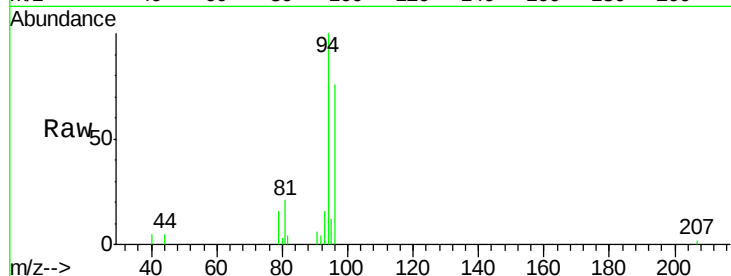
Ion Ratio Lower Upper

94 100

96 75.8 72.2 108.2

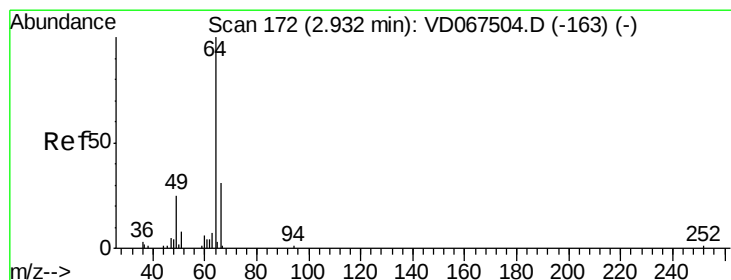
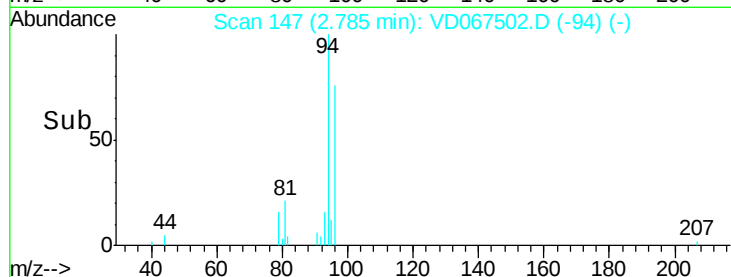
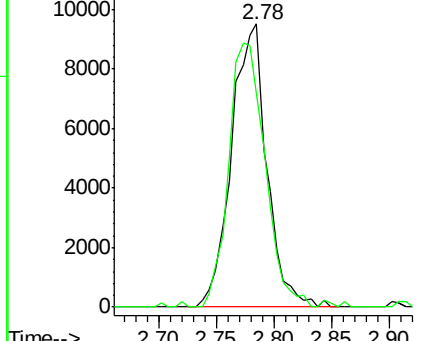
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.103 ug/l

RT: 2.93 min Scan# 172

Delta R.T. -0.00 min

Lab File: VD067502.D

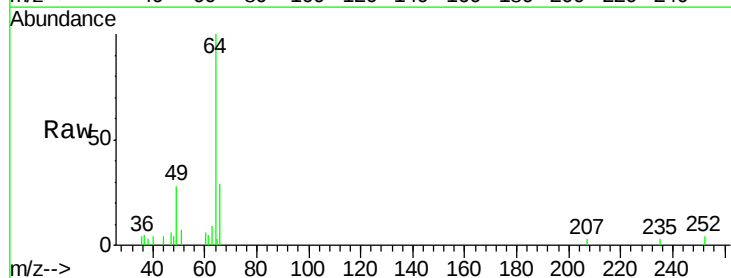
Acq: 03 Nov 2020 10:43

Tgt Ion: 64 Resp: 15360

Ion Ratio Lower Upper

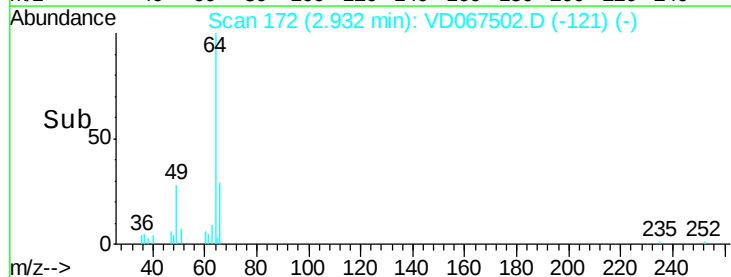
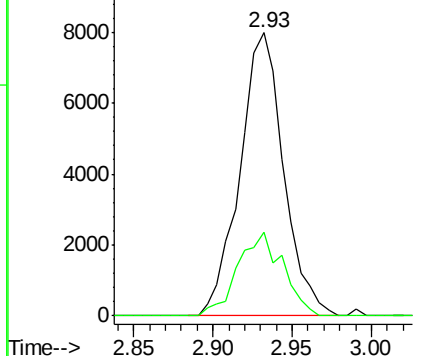
64 100

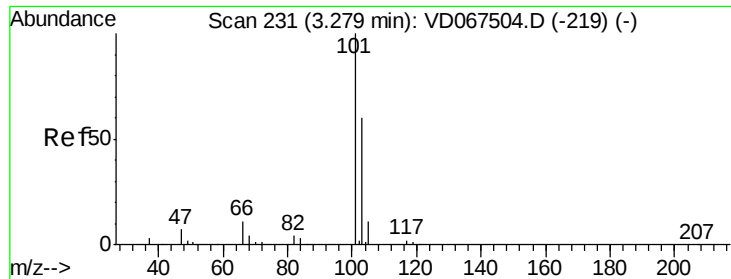
66 29.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

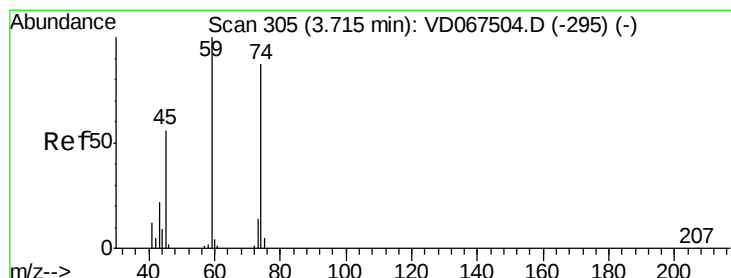
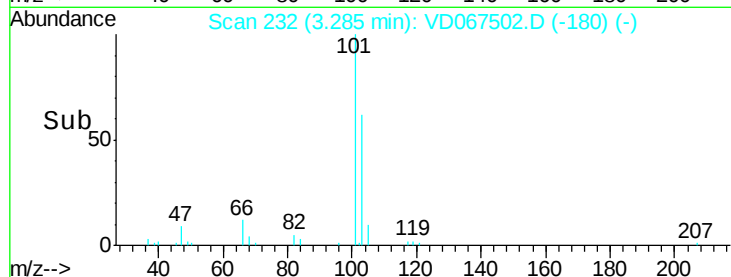
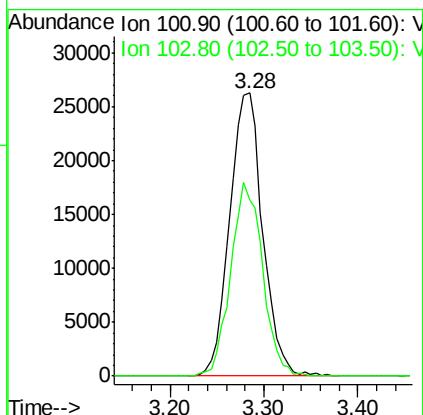
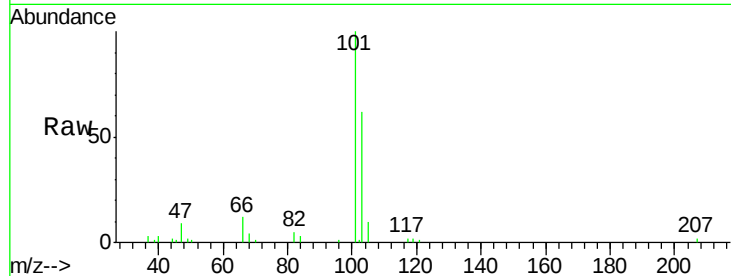
Trichlorofluoromethane
Concen: 11.059 ug/l
RT: 3.28 min Scan# 232
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	48.1	72.1

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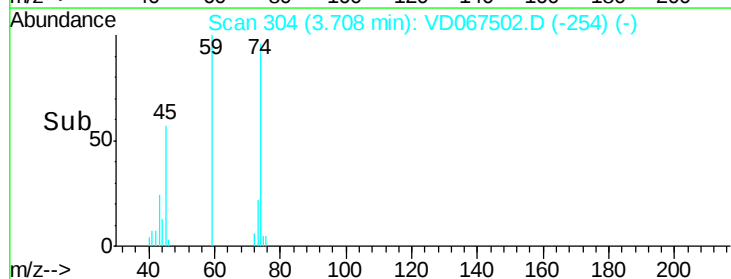
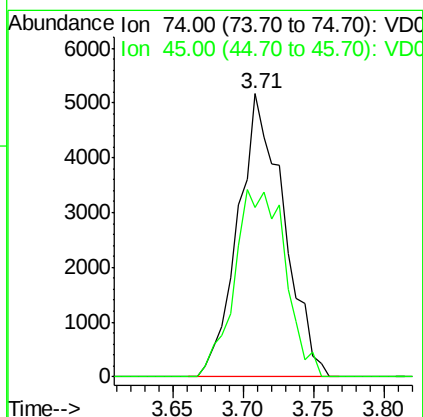
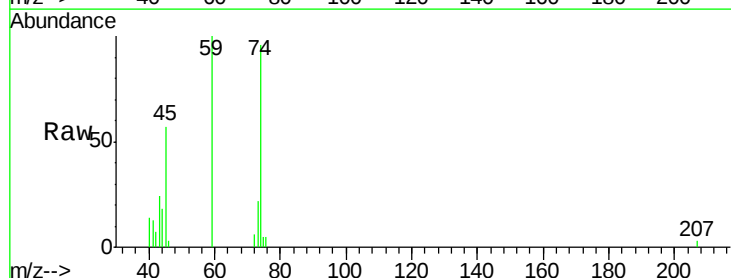
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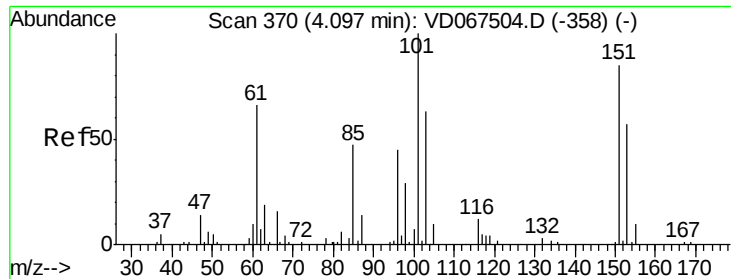


#8

Diethyl Ether
Concen: 10.013 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067502.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	73.3	38.2	114.6





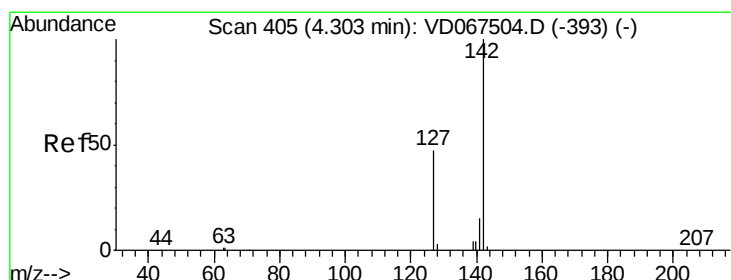
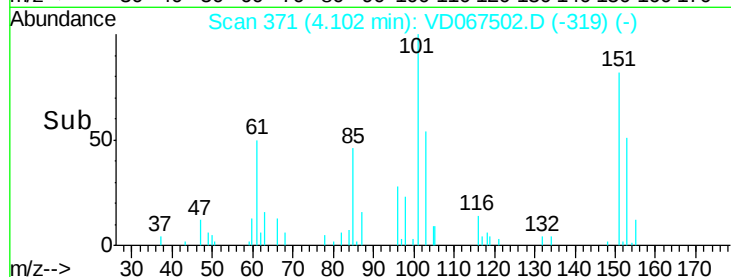
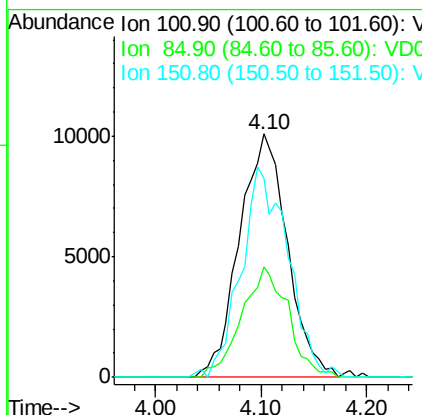
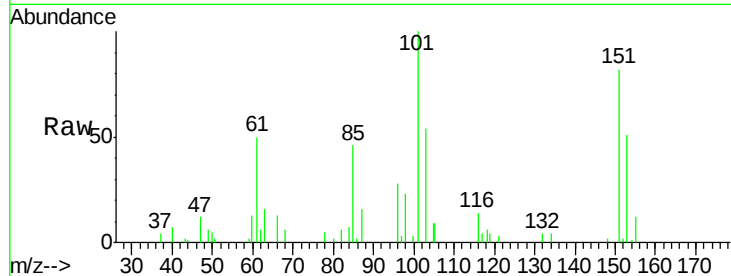
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.817 ug/l
 RT: 4.10 min Scan# 371
 Delta R.T. 0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
101	100	31725		
85	43.9		34.4	51.6
151	84.8		68.1	102.1

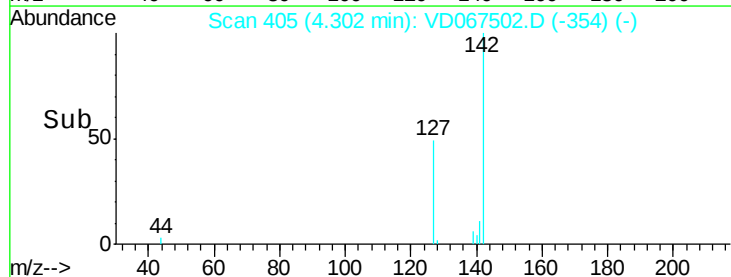
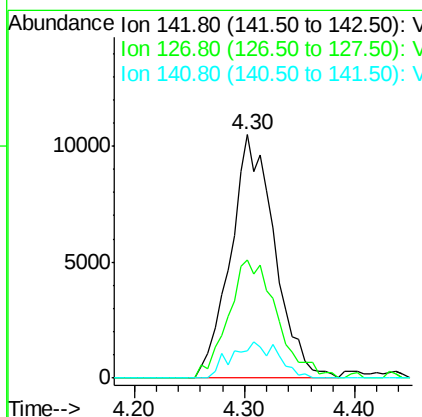
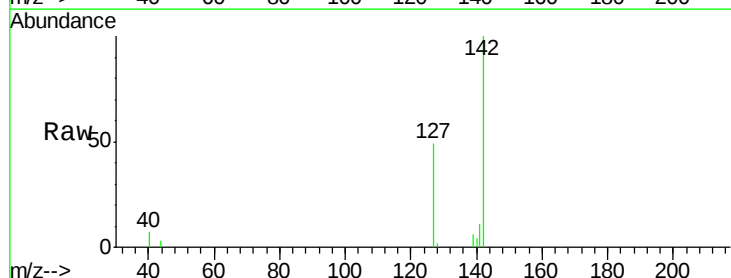
Manual Integrations
 APPROVED

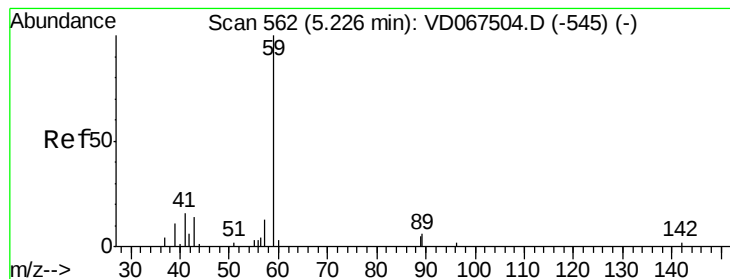
MMDadoda
 11/4/2020 10:43:16 AM



#10
 Methyl Iodide
 Concen: 9.310 ug/l
 RT: 4.30 min Scan# 405
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	29265		
127	53.7		40.0	60.0
141	15.5		11.7	17.5





#11

Tert butyl alcohol

Concen: 56.863 ug/l m

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 59 Resp: 8137

Ion Ratio Lower Upper

59 100

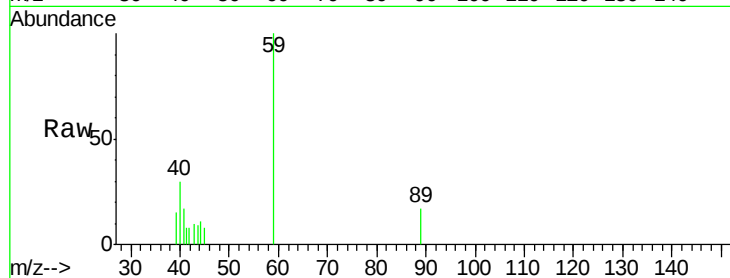
57 4.4 5.9 8.9#

Manual Integrations

APPROVED

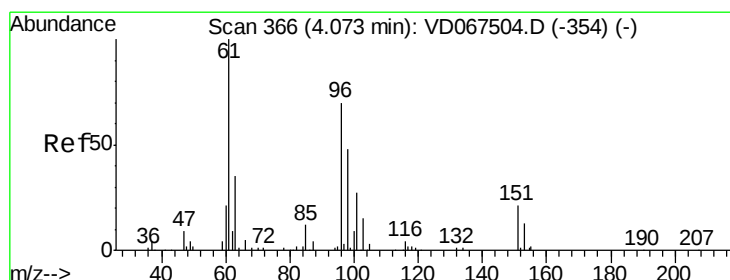
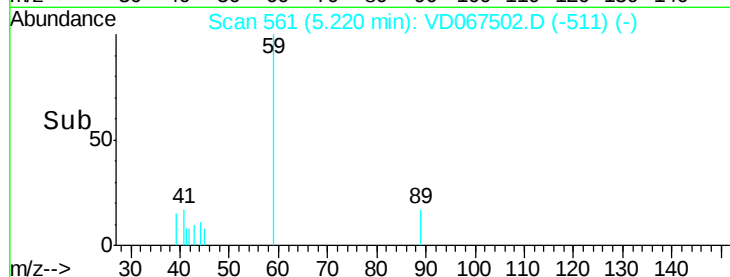
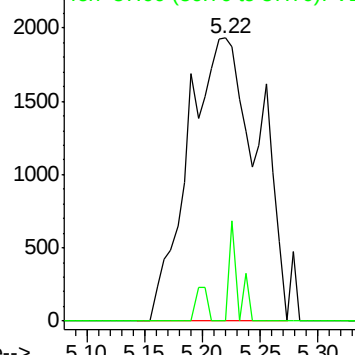
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 10.758 ug/l

RT: 4.08 min Scan# 367

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

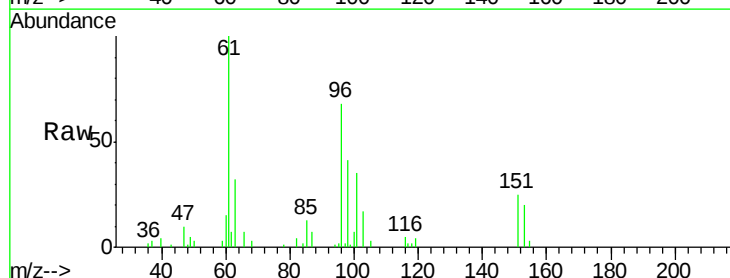
Tgt Ion: 96 Resp: 29023

Ion Ratio Lower Upper

96 100

61 146.0 114.5 171.7

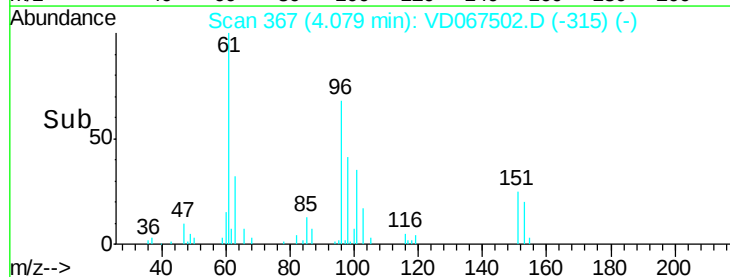
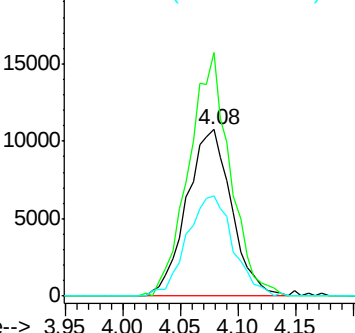
98 60.2 54.5 81.7

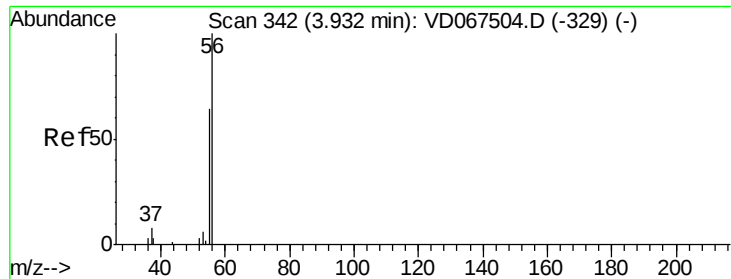


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 34.368 ug/l

RT: 3.93 min Scan# 342

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 3529

Ion Ratio Lower Upper

56 100

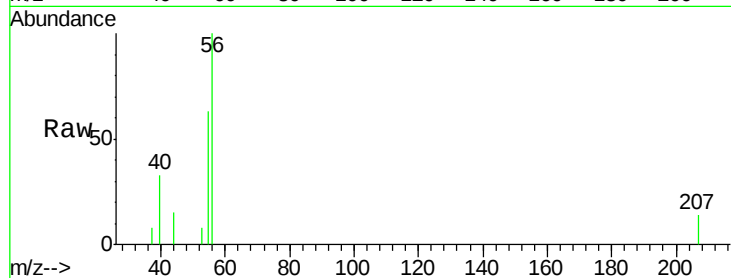
55 69.2 55.8 83.8

Manual Integrations

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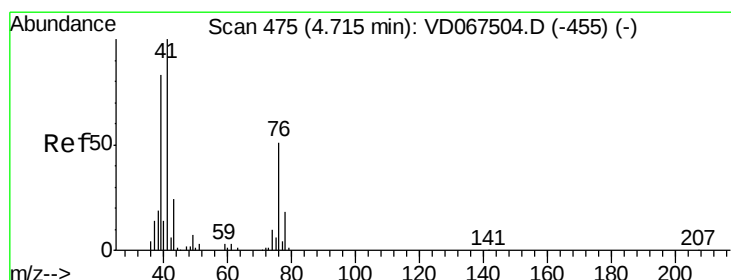
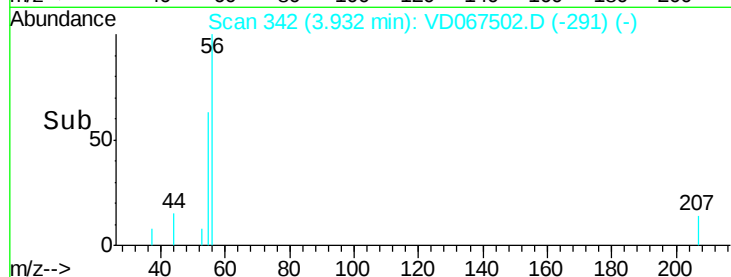
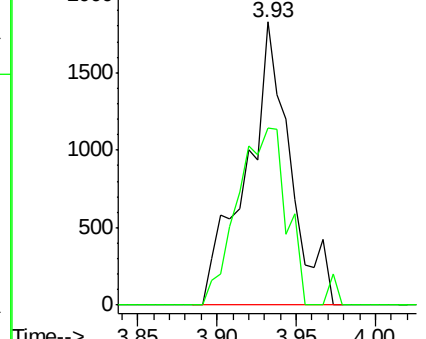
MMDadoda

11/4/2020 10:43:16 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 10.412 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

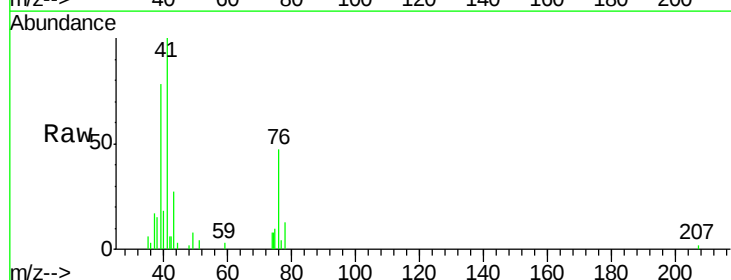
Tgt Ion: 41 Resp: 30062

Ion Ratio Lower Upper

41 100

39 79.0 67.4 101.0

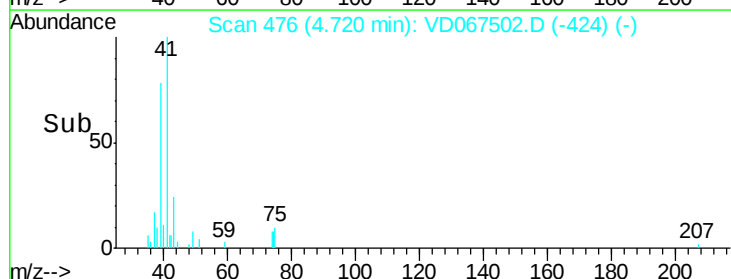
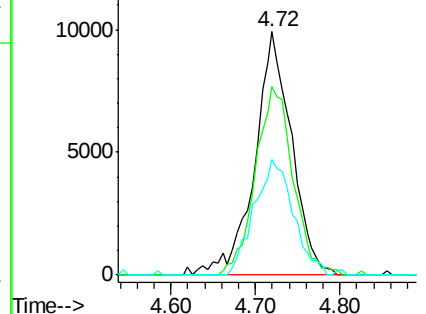
76 50.1 42.2 63.2

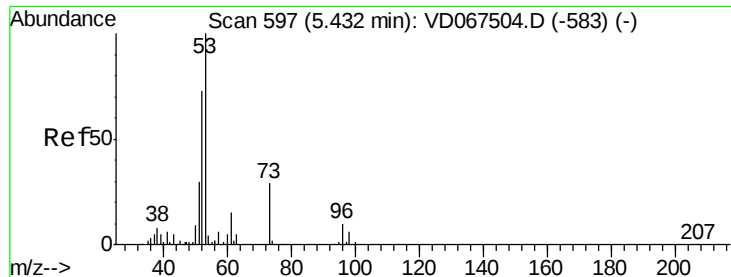


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 52.431 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

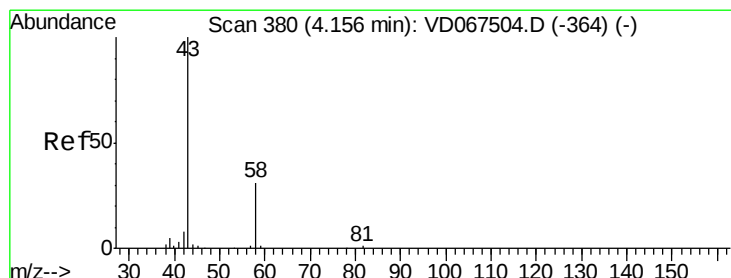
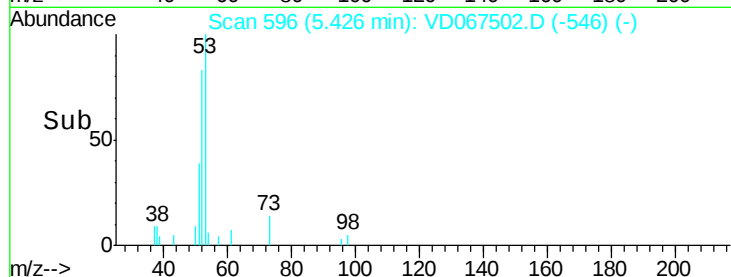
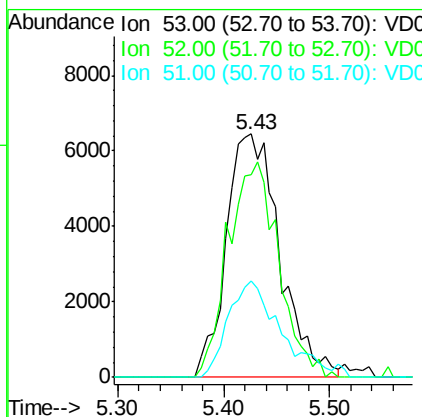
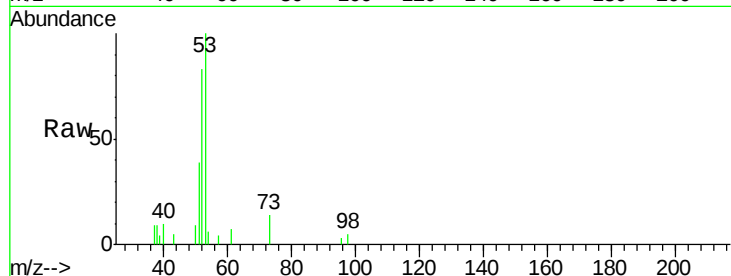
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	22691
Ion Ratio	Lower	Upper	
53	100		
52	83.7	64.8	97.2
51	38.2	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 50.856 ug/l

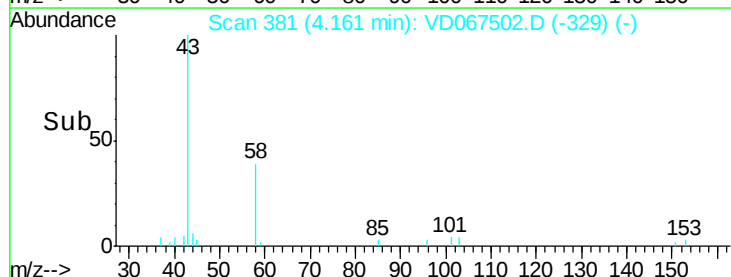
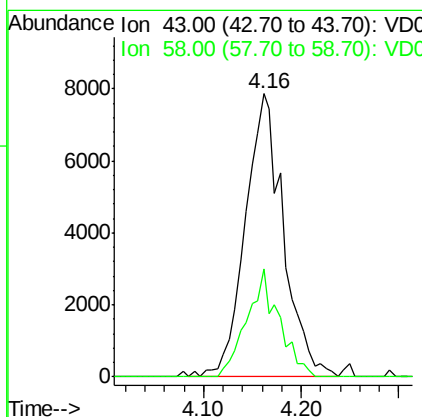
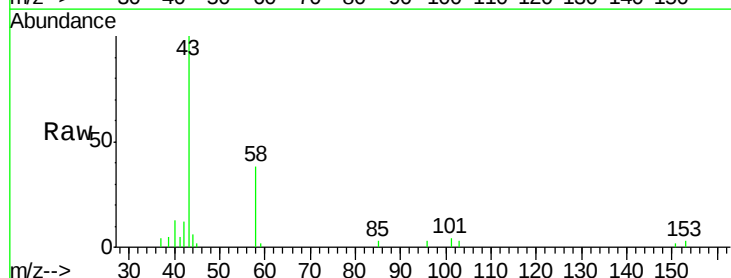
RT: 4.16 min Scan# 381

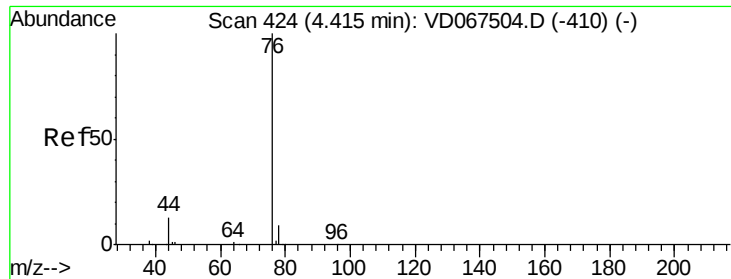
Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Tgt Ion:	43	Resp:	21508
Ion Ratio	Lower	Upper	
43	100		
58	38.2	25.2	37.8#





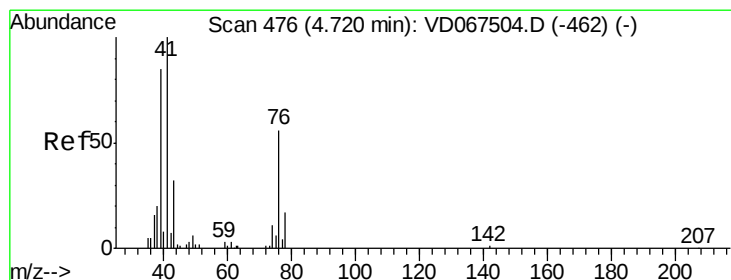
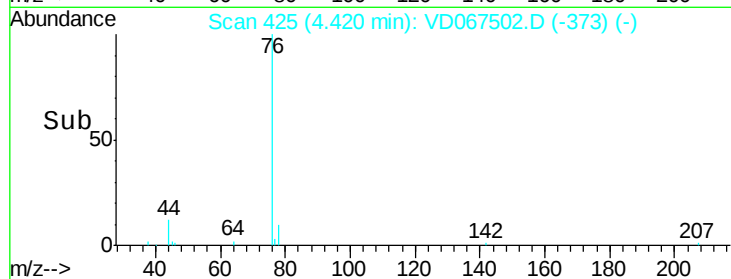
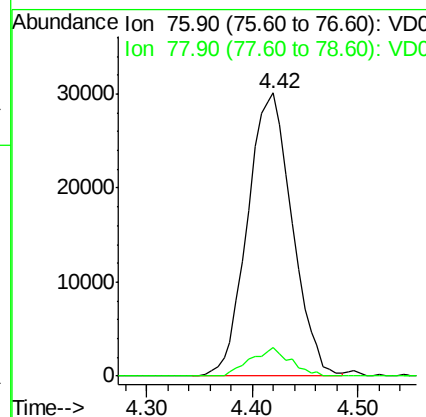
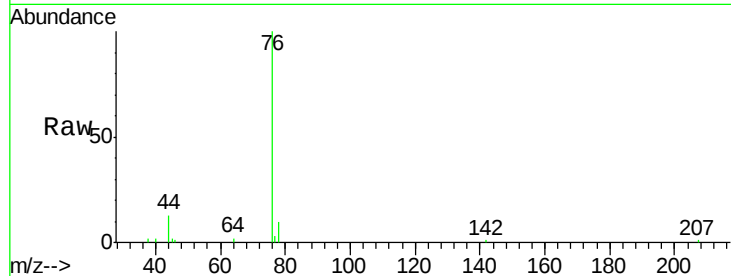
#17
Carbon Disulfide
Concen: 10.693 ug/l
RT: 4.42 min Scan# 425
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.2	10.8

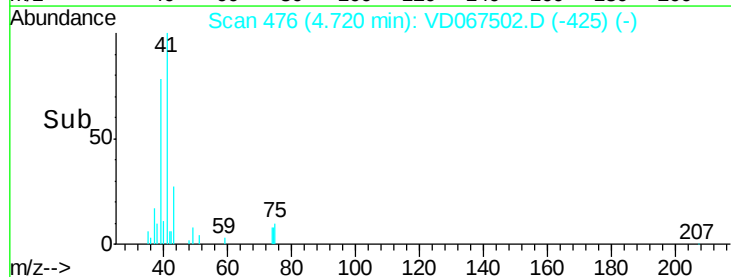
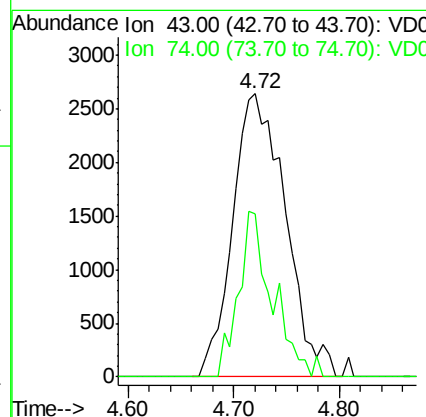
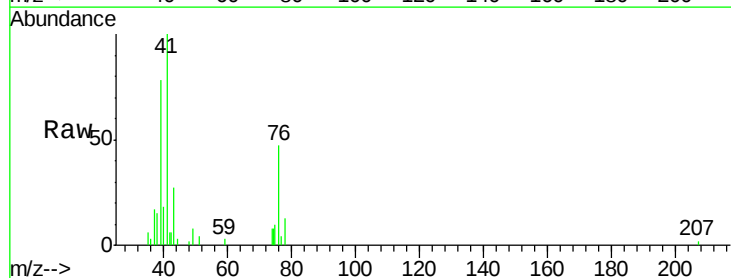
Manual Integrations
APPROVED

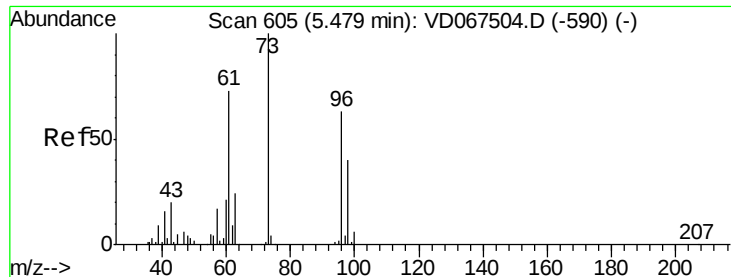
MMDadoda
11/4/2020 10:43:16 AM



#18
Methyl Acetate
Concen: 10.448 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	36.8	27.2	40.8





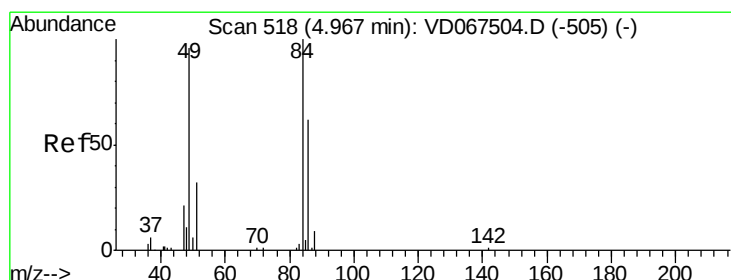
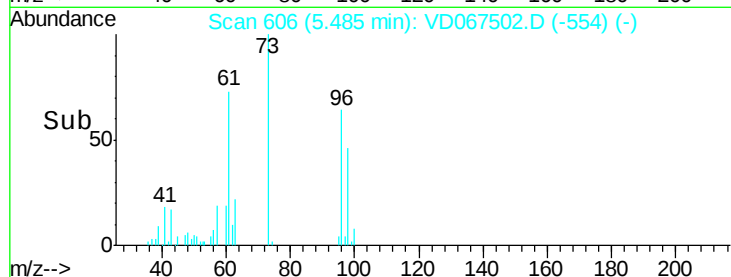
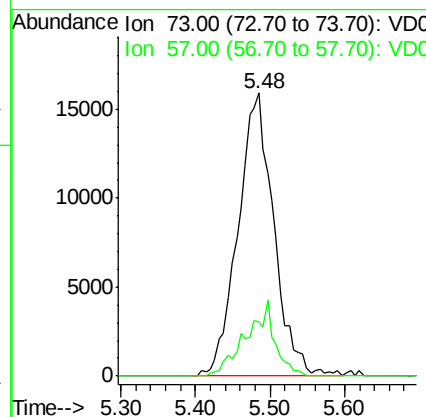
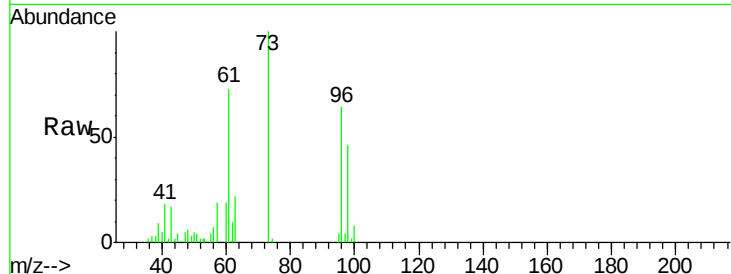
#19
Methvl tert-butvl Ether
Concen: 9.975 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 53082
Ion Ratio Lower Upper
73 100
57 19.3 13.4 20.0

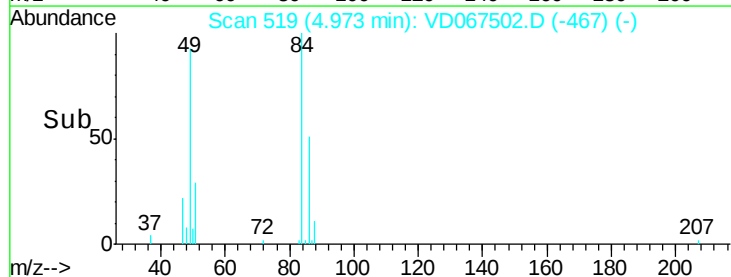
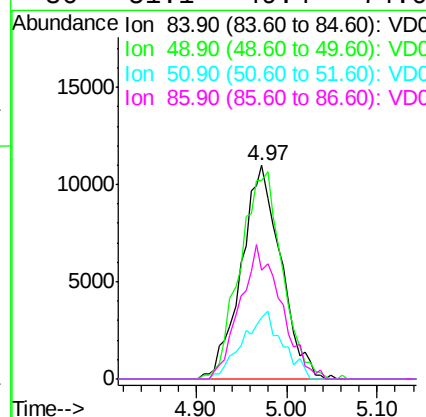
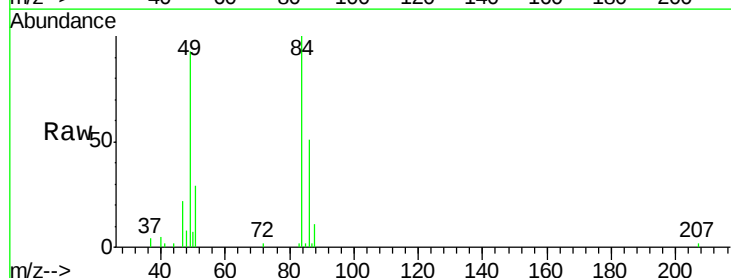
Manual Integrations
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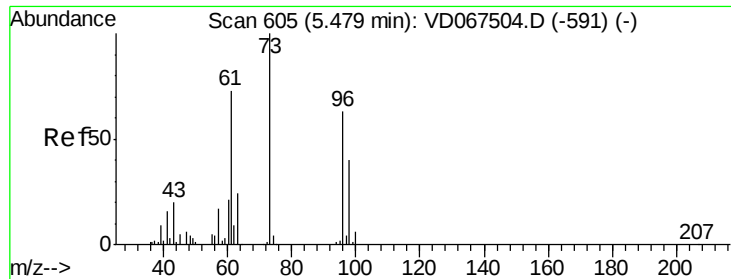
MMDadoda
11/4/2020 10:43:16 AM



#20
Methylene Chloride
Concen: 11.189 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion: 84 Resp: 33428
Ion Ratio Lower Upper
84 100
49 93.1 77.0 115.4
51 29.0 25.4 38.2
86 51.1 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 10.569 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

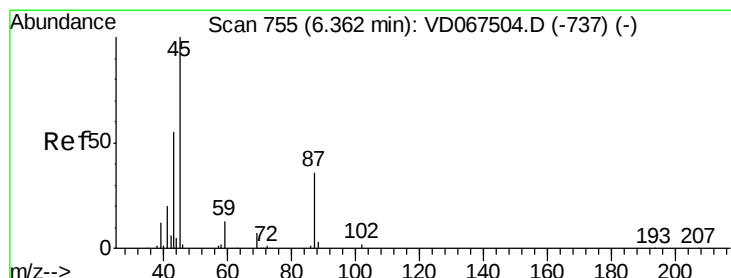
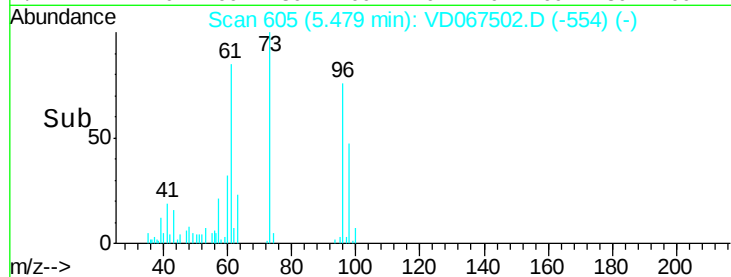
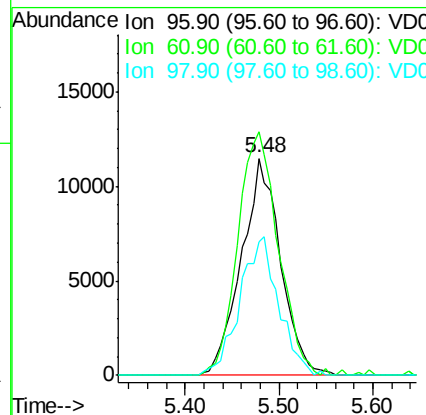
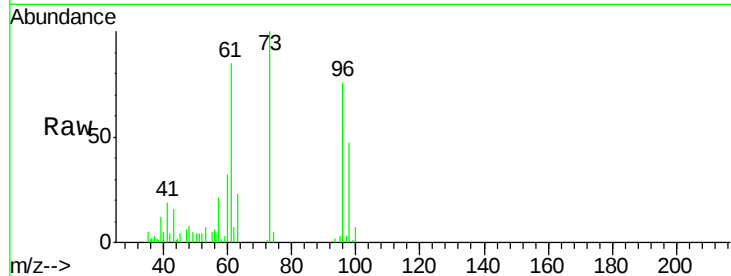
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	33209
Ion	Ratio	Lower	Upper
96	100		
61	112.3	93.0	139.6
98	61.6	50.9	76.3

Manual Integrations
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11/4/2020 10:43:16 AM



#22

Diisopropyl ether

Concen: 10.325 ug/l

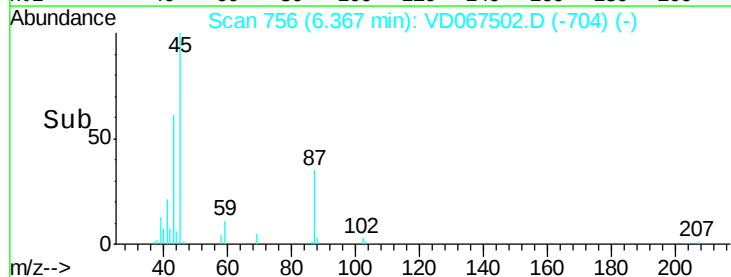
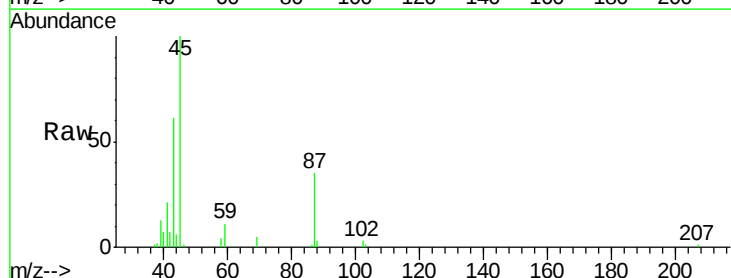
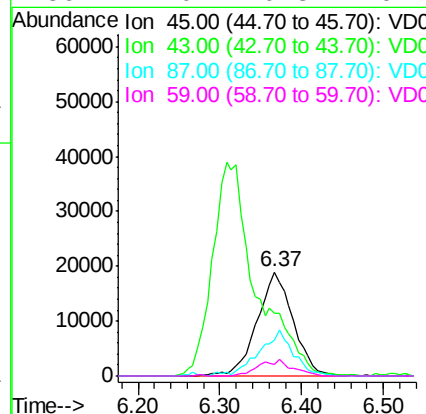
RT: 6.37 min Scan# 756

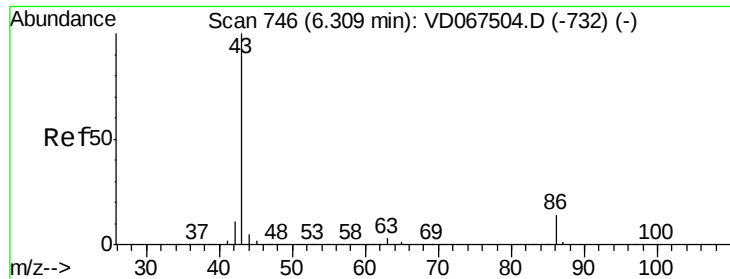
Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Tgt Ion:	45	Resp:	58095
Ion	Ratio	Lower	Upper
45	100		
43	59.4	46.2	69.4
87	34.9	29.4	44.2
59	11.0	10.8	16.2





#23

Vinyl Acetate

Concen: 49.252 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 145331

Ion Ratio Lower Upper

43 100

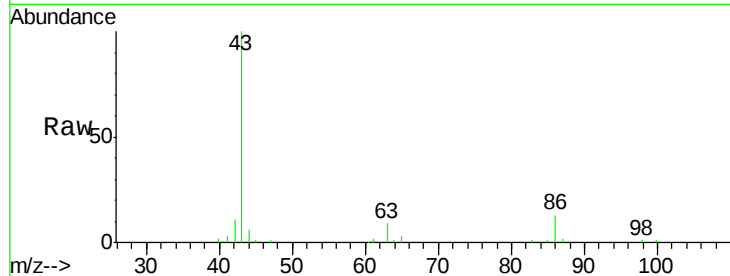
86 12.9 11.6 17.4

Manual Integrations

APPROVED

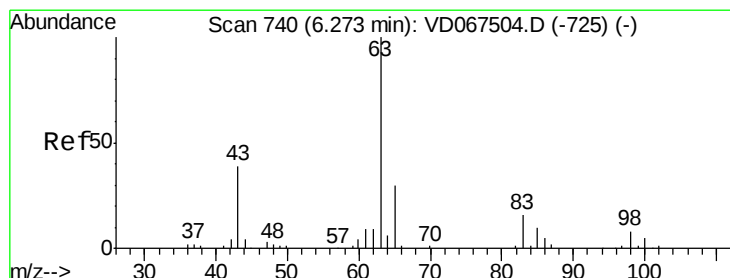
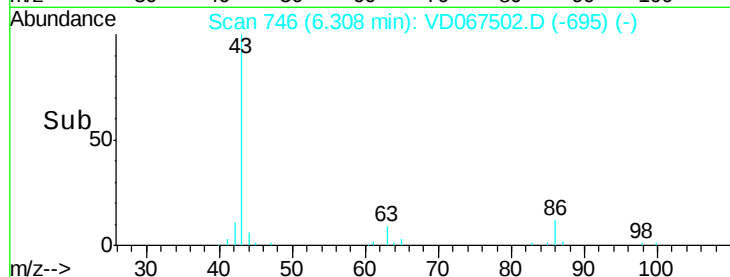
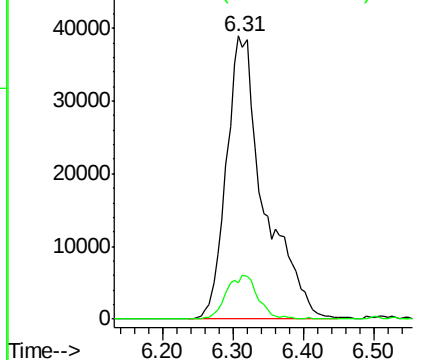
MMDadoda

11/4/2020 10:43:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 10.957 ug/l

RT: 6.27 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

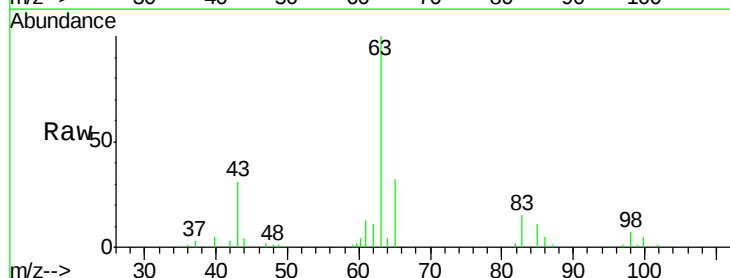
Tgt Ion: 63 Resp: 50433

Ion Ratio Lower Upper

63 100

98 6.6 3.9 11.5

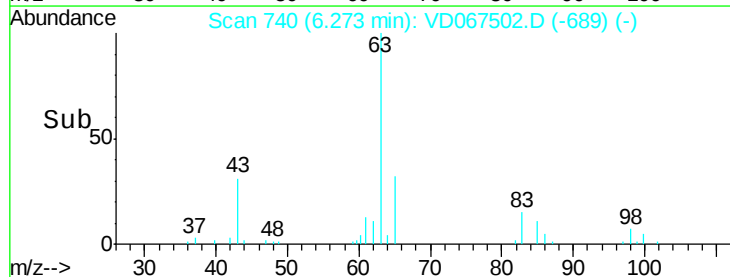
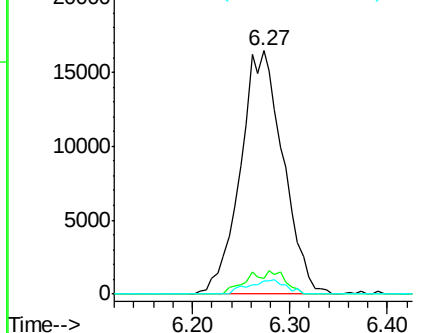
100 5.3 2.6 7.8

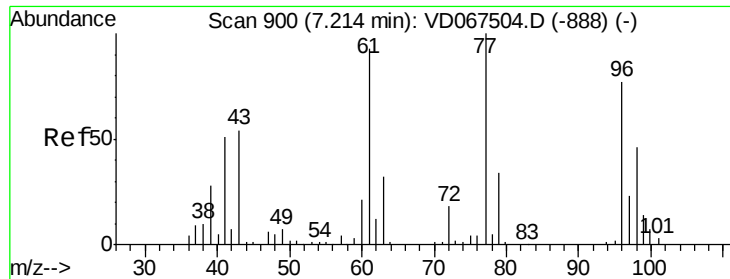


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 51.498 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 23272

Ion Ratio Lower Upper

43 100

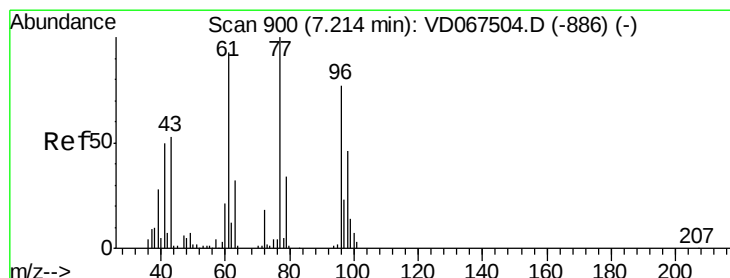
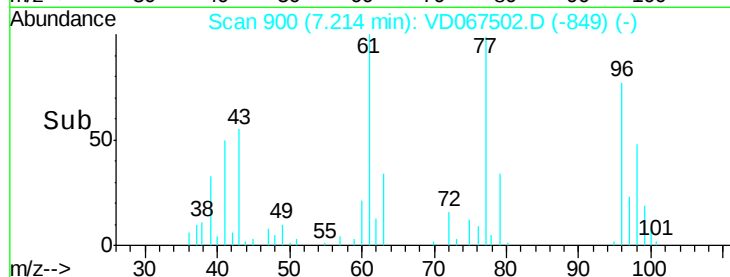
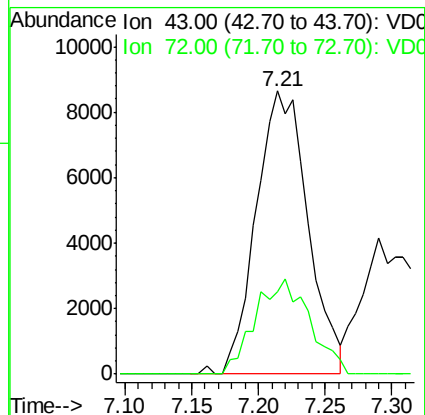
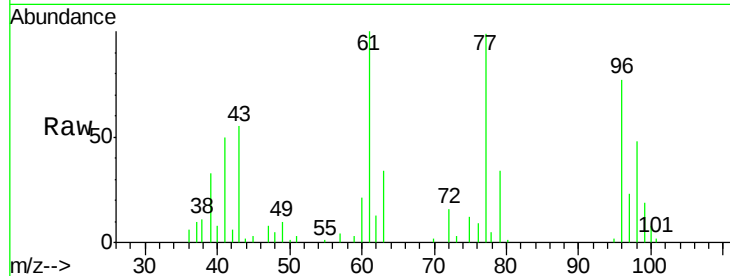
72 29.1 26.4 39.6

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#26

2,2-Dichloropropane

Concen: 10.551 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067502.D

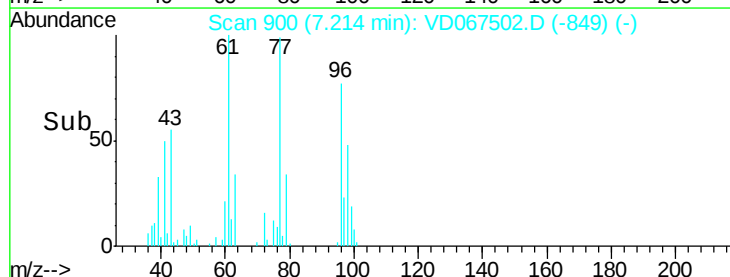
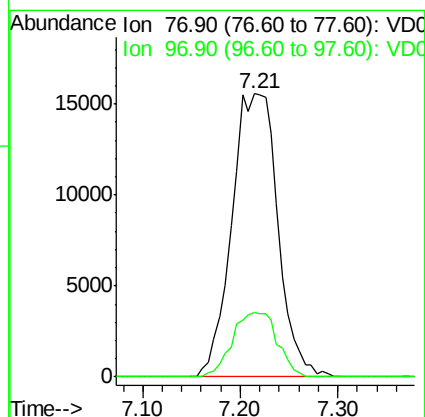
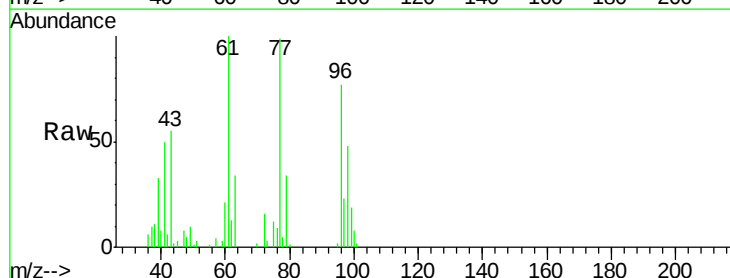
Acq: 03 Nov 2020 10:43

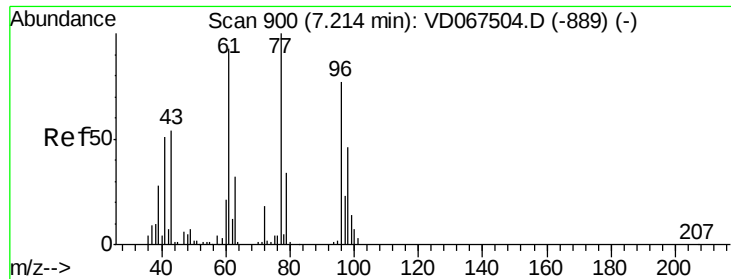
Tgt Ion: 77 Resp: 51254

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3





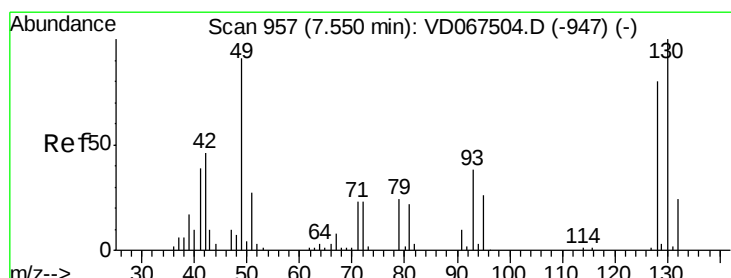
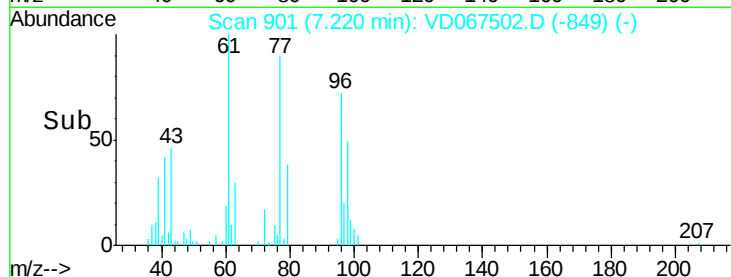
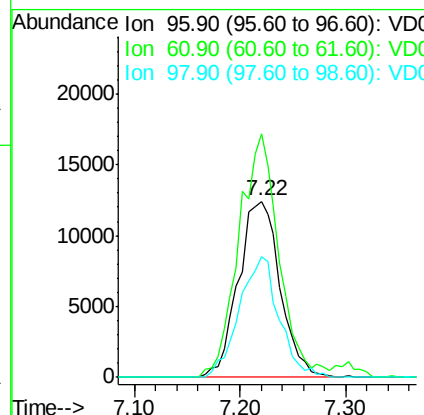
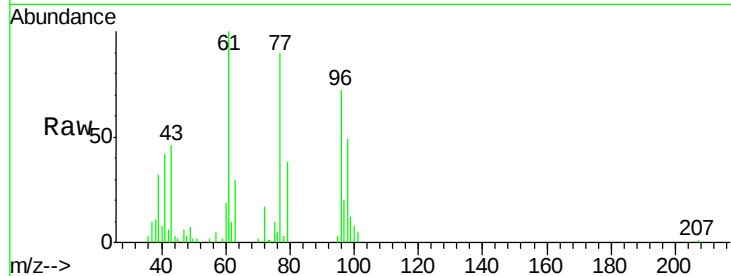
#27
 cis-1,2-Dichloroethene
 Concen: 10.456 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.7	0.0	251.6
98	64.9	0.0	128.0

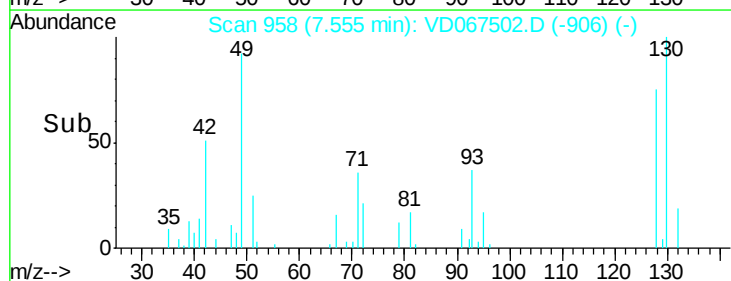
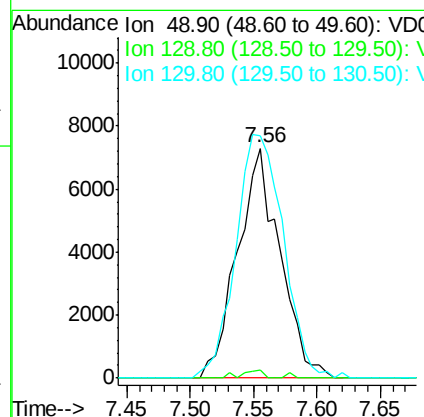
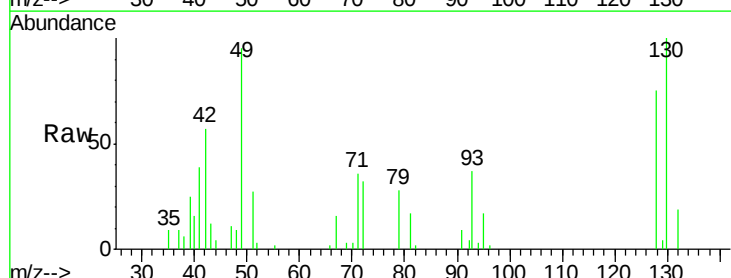
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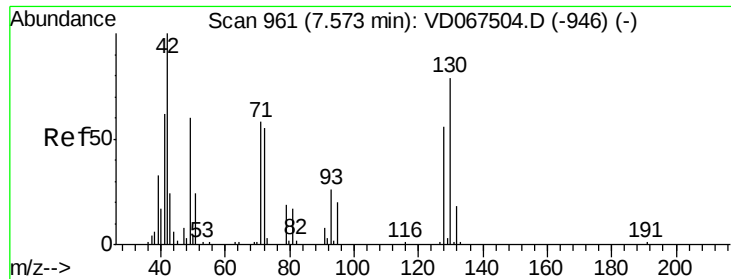
MMDadoda
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#28
 Bromochloromethane
 Concen: 10.380 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	6.4
130	118.6	94.6	142.0





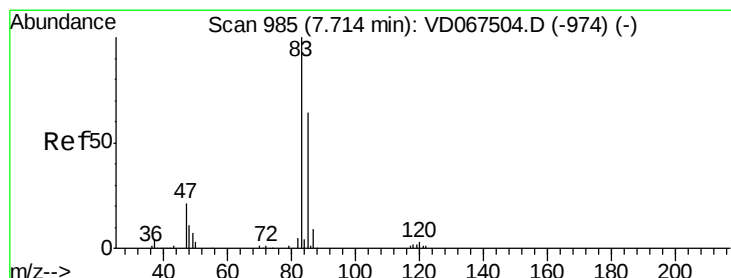
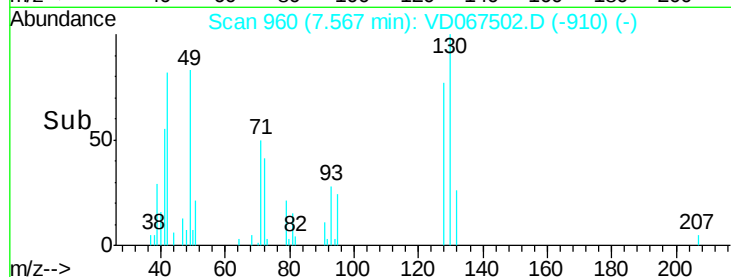
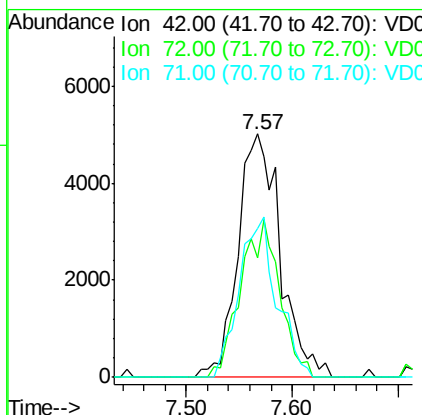
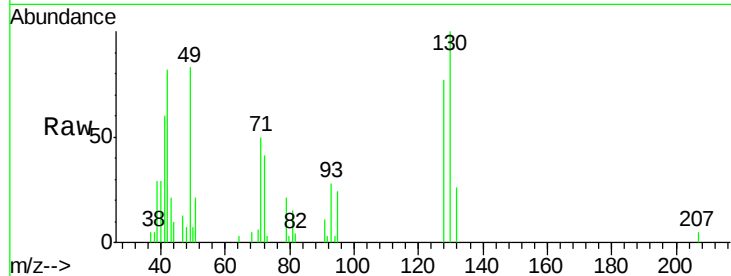
#29
Tetrahydrofuran
Concen: 51.343 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	60.1	46.3	69.5
71	58.9	44.0	66.0

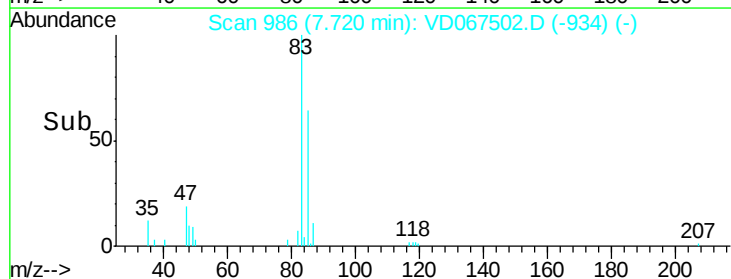
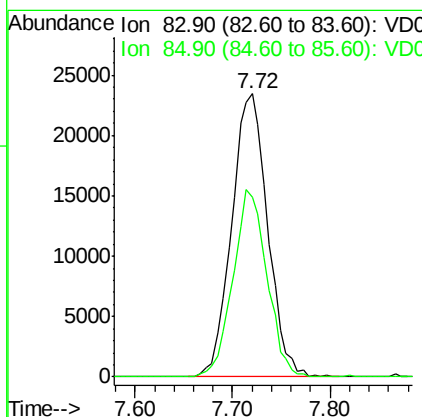
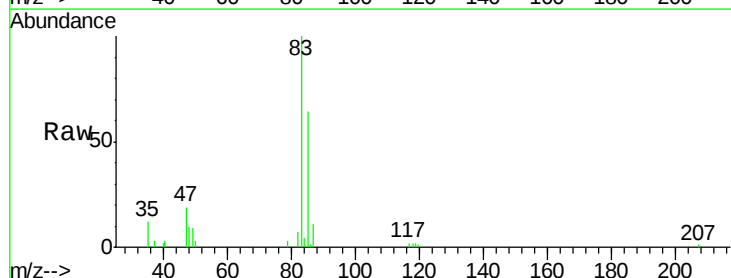
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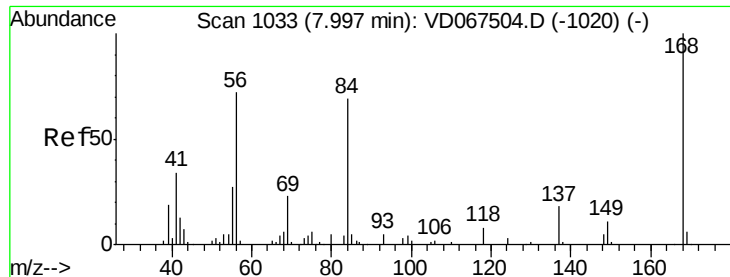
MMDadoda
11/4/2020 10:43:16 AM



#30
Chloroform
Concen: 10.882 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.5	77.3





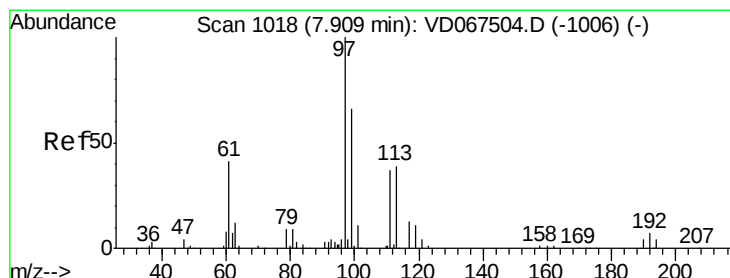
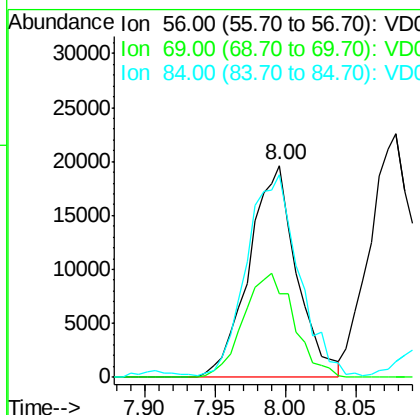
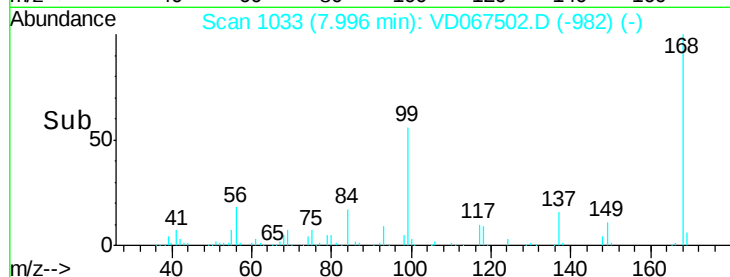
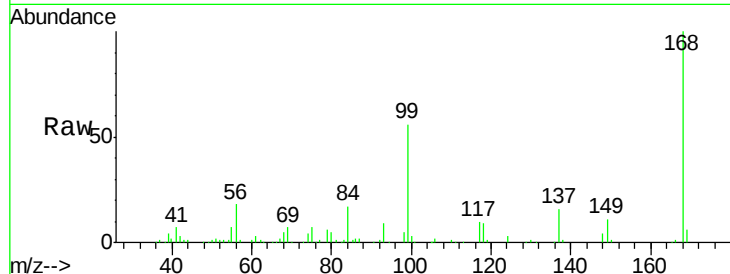
#31
Cyclohexane
Concen: 11.336 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.4	25.9	38.9#
84	94.0	76.2	114.4

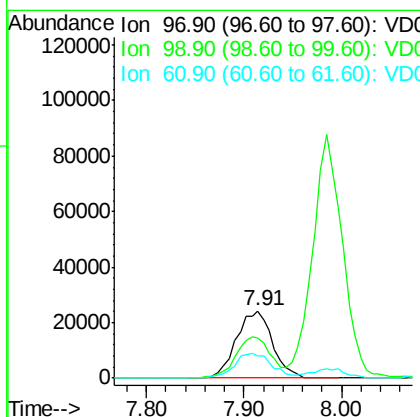
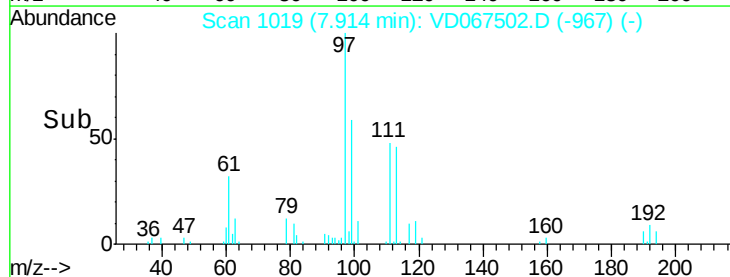
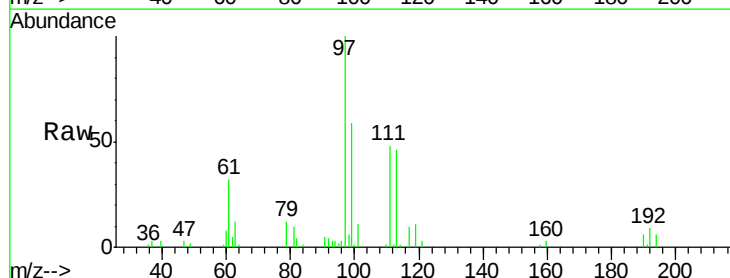
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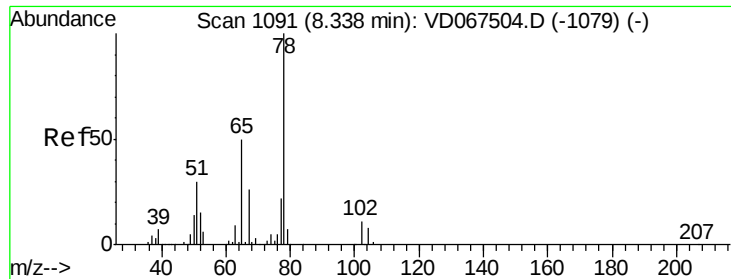
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 11.009 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.4	51.8	77.6
61	38.4	30.5	45.7





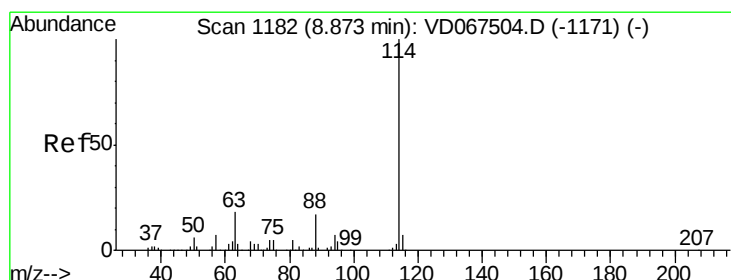
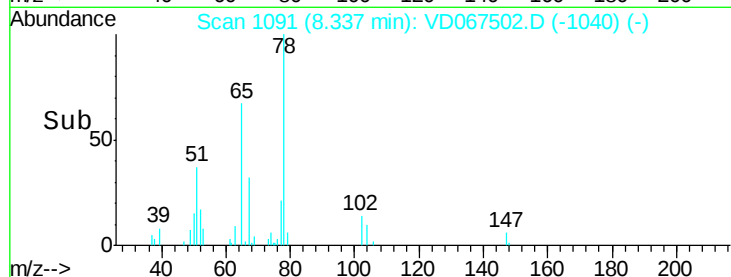
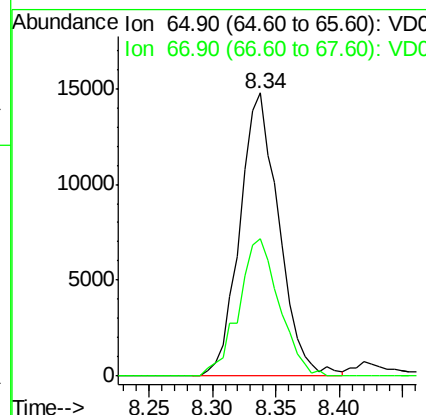
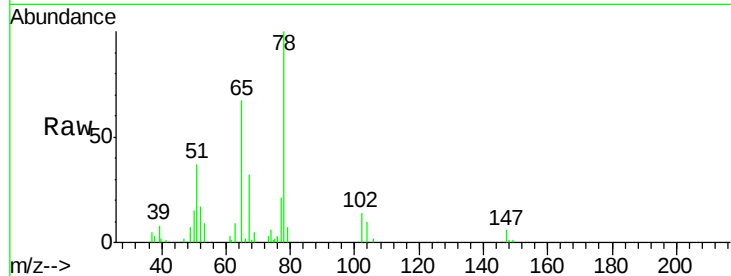
#33
 1,2-Dichloroethane-d4
 Concen: 11.175 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.4	0.0	99.4	

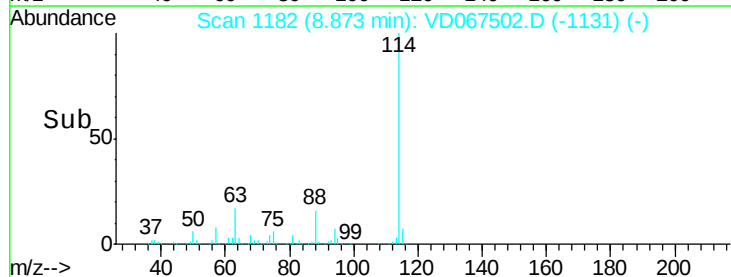
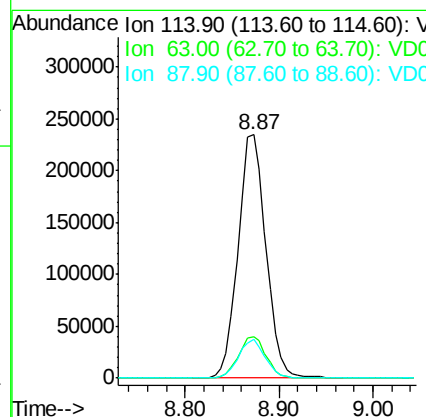
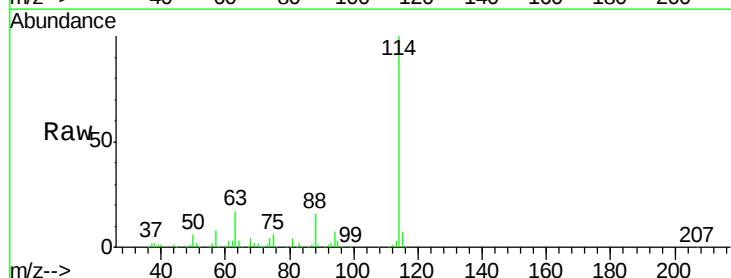
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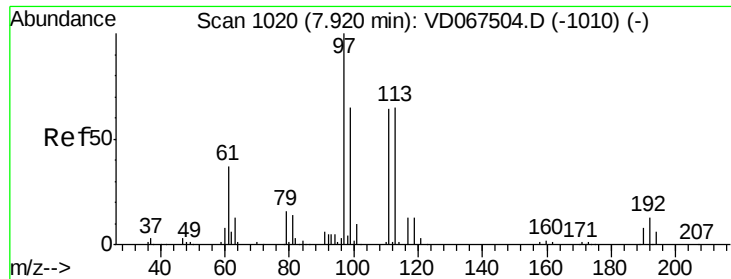
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.2	0.0	35.0	
88	16.1	0.0	33.0	





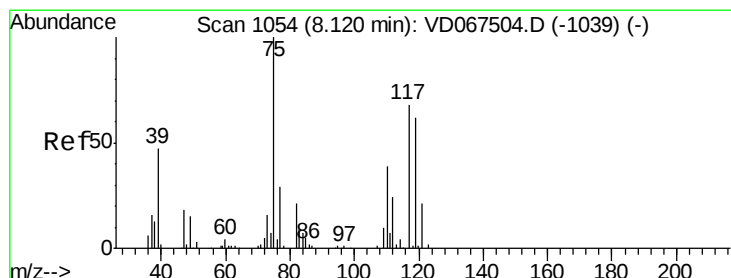
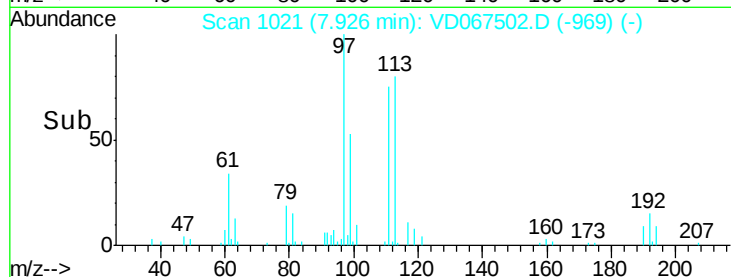
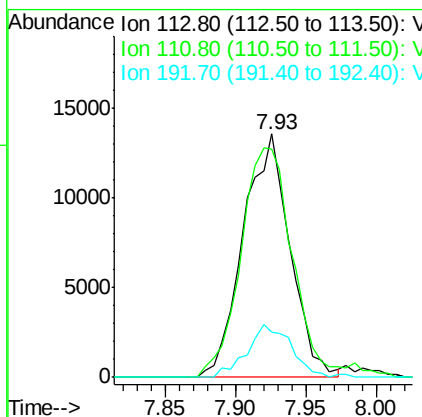
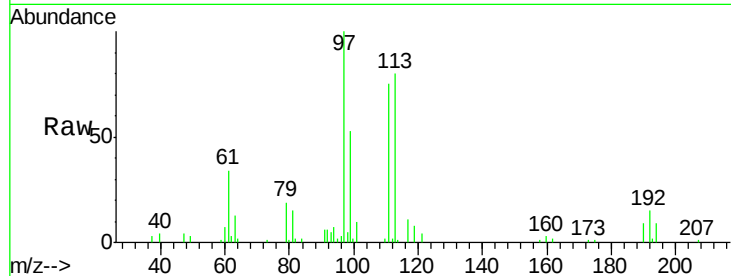
#35
 Dibromofluoromethane
 Concen: 10.861 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	80.0	120.0
192	20.2	16.3	24.5

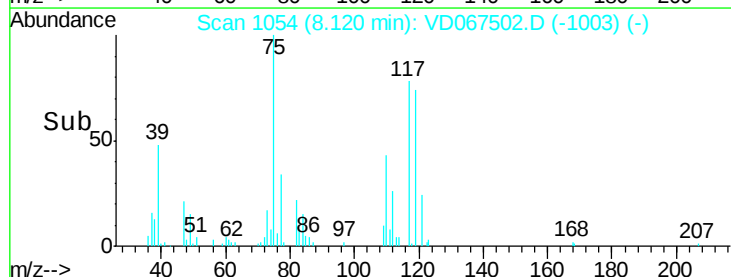
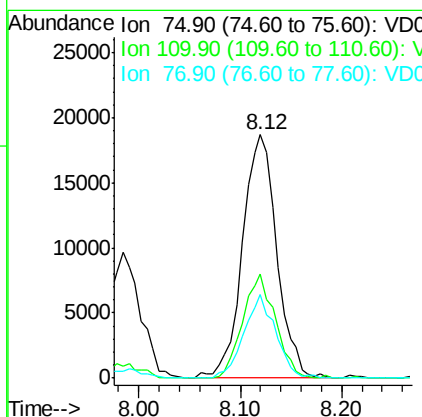
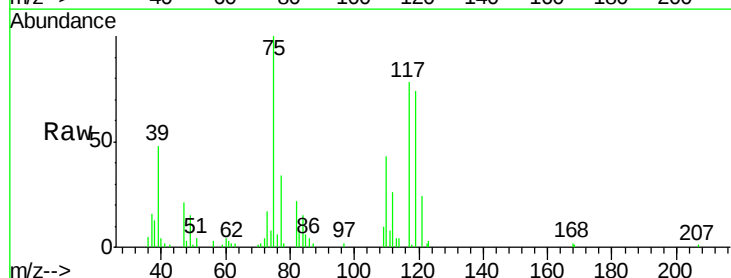
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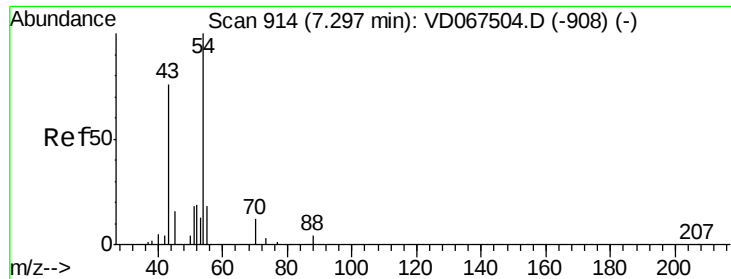
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#36
 1,1-Dichloropropene
 Concen: 10.615 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.6	19.9	59.7
77	31.8	24.8	37.2





#37

Ethyl Acetate

Concen: 10.775 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

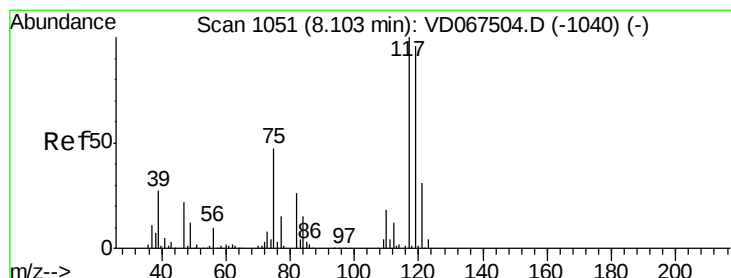
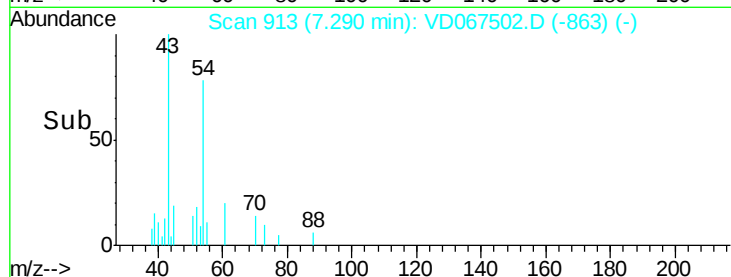
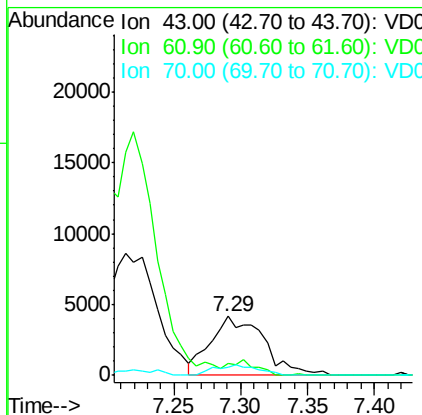
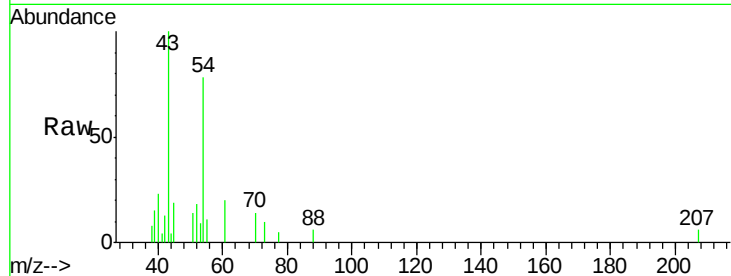
ClientSampleID :

VSTDIC010

Tot Ion:	43	Resp:	11558
Ion	Ratio	Lower	Upper
43	100		
61	12.9	12.8	19.2
70	14.3	11.7	17.5

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#38

Carbon Tetrachloride

Concen: 10.866 ug/l

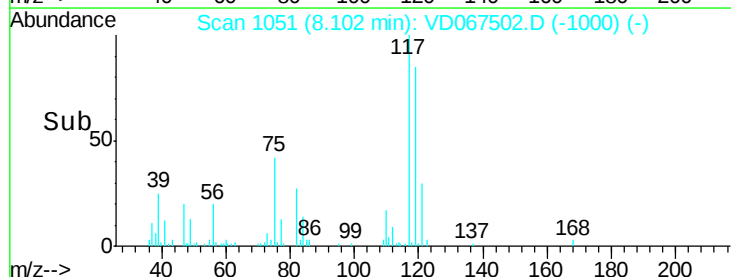
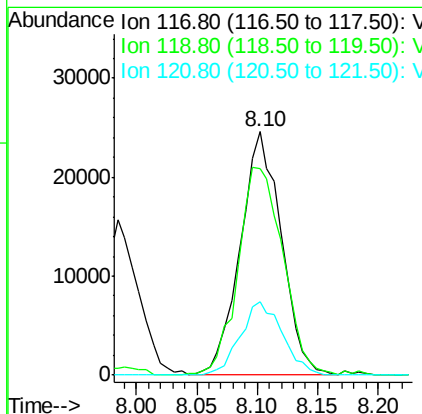
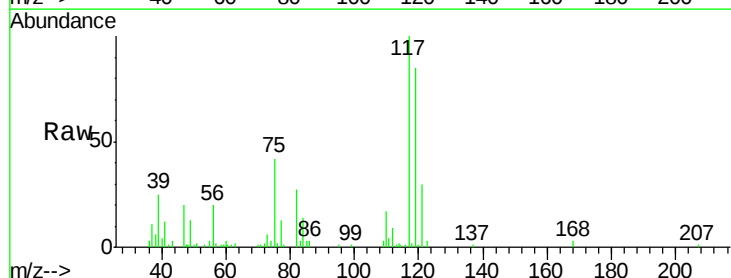
RT: 8.10 min Scan# 1051

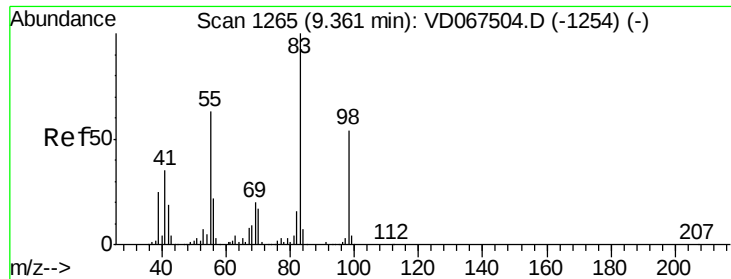
Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Tgt Ion:	117	Resp:	58329
Ion	Ratio	Lower	Upper
117	100		
119	84.6	76.9	115.3
121	30.2	24.5	36.7





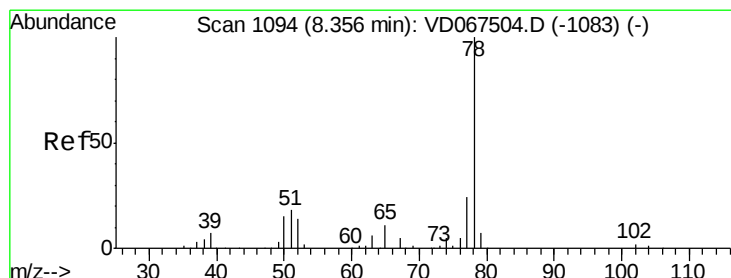
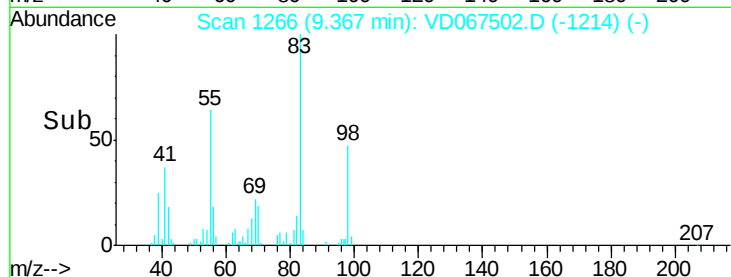
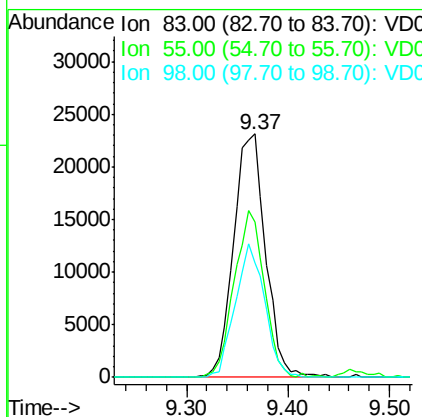
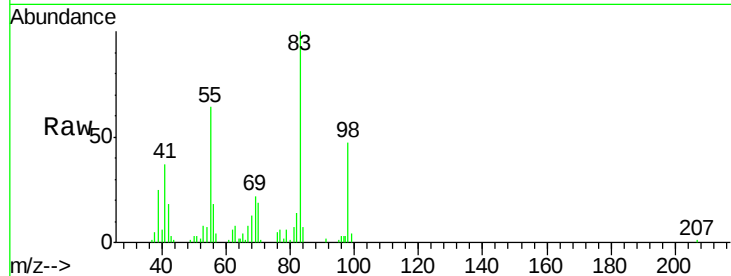
#39
Methvlcvclohexane
Concen: 10.407 ug/l
RT: 9.37 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.6	50.5	75.7
98	46.9	43.4	65.0

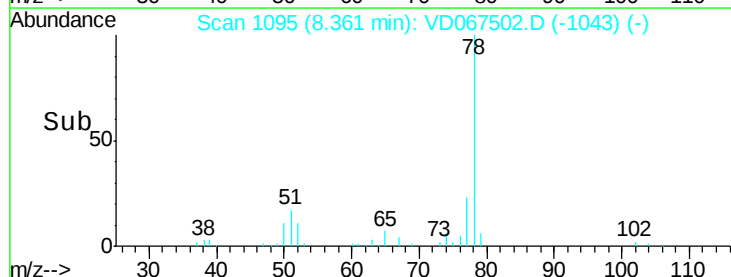
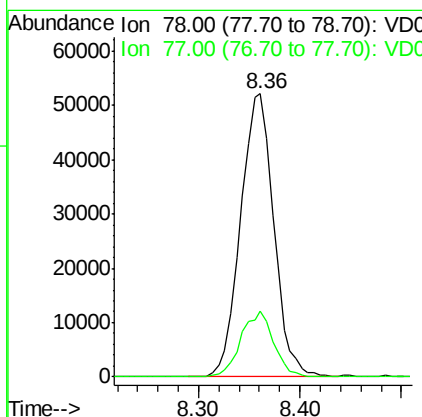
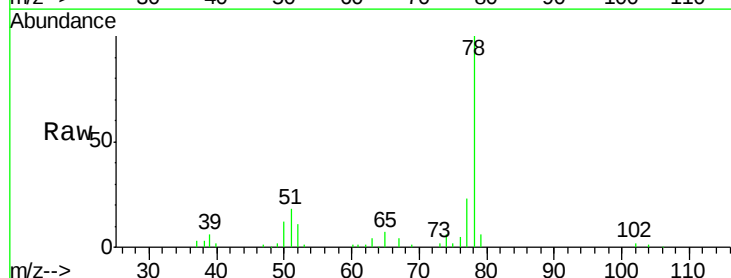
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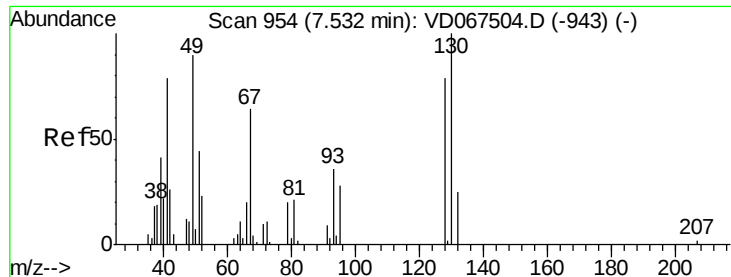
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#40
Benzene
Concen: 10.631 ug/l
RT: 8.36 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7





#41

Methacrylonitrile

Concen: 13.167 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 7104

Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 0.0 78.9 118.3#

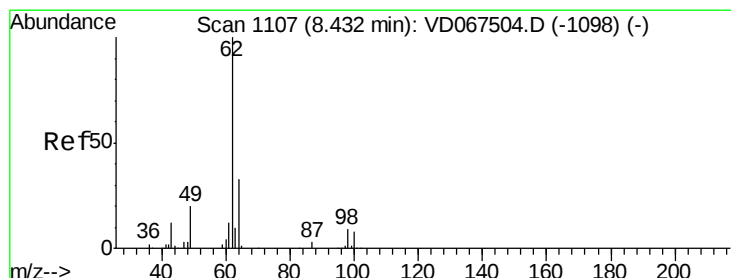
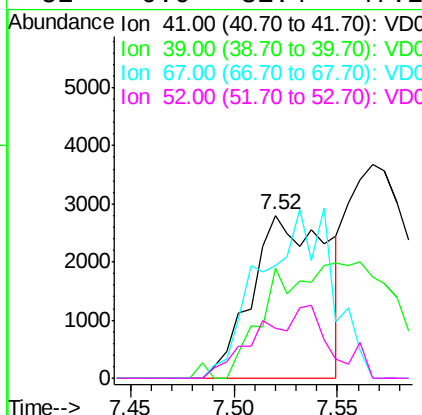
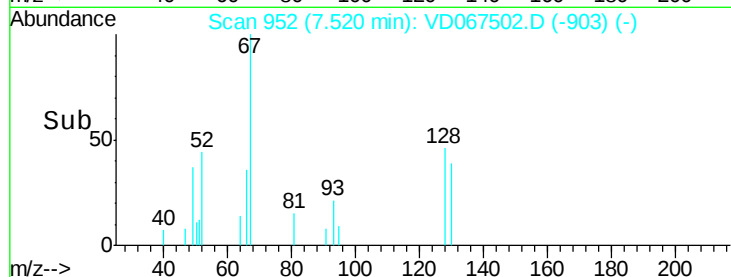
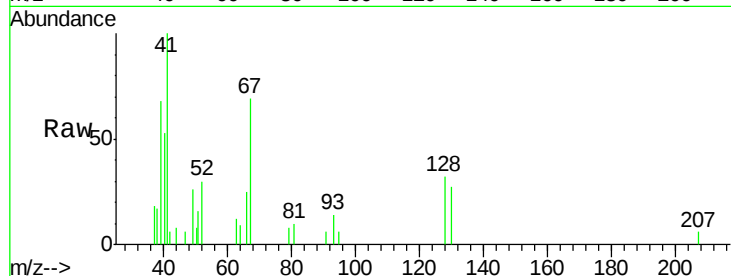
52 0.0 31.4 47.2#

Manual Integrations

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MMDadoda

11/4/2020 10:43:16 AM



#42

1,2-Dichloroethane

Concen: 10.517 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD067502.D

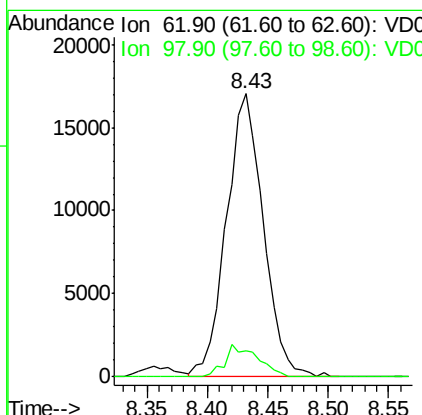
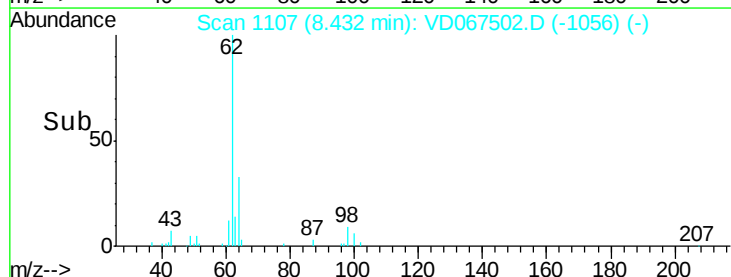
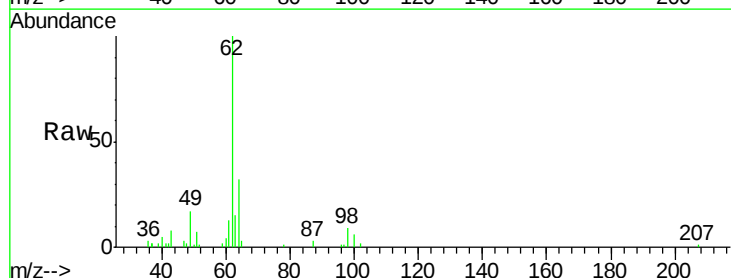
Acq: 03 Nov 2020 10:43

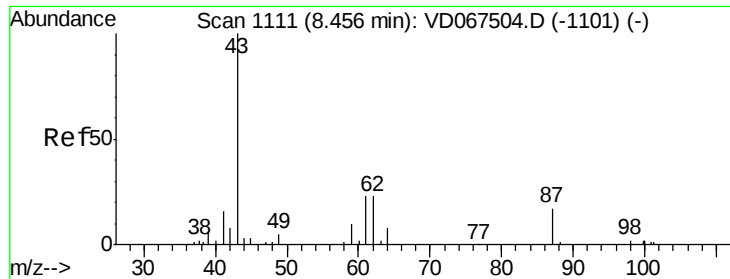
Tgt Ion: 62 Resp: 36366

Ion Ratio Lower Upper

62 100

98 10.0 0.0 19.8





#43

Isopropyl Acetate

Concen: 10.242 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

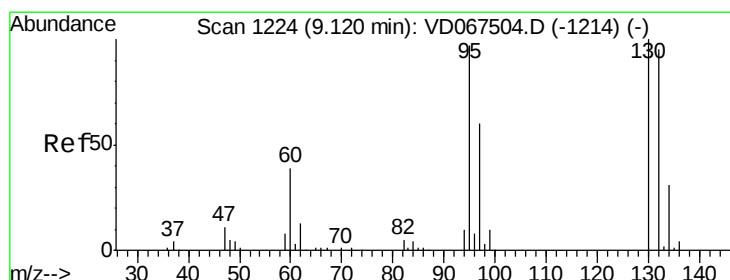
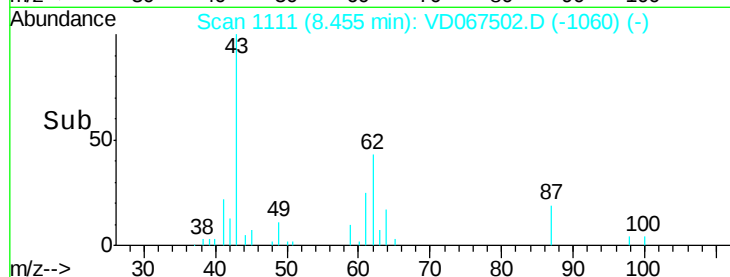
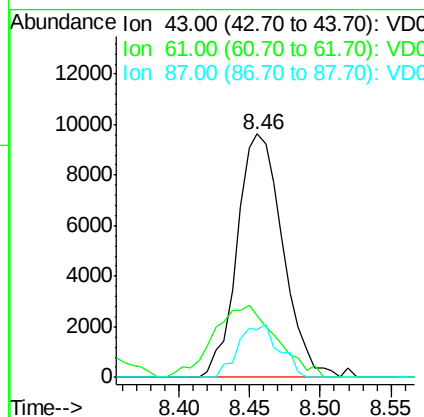
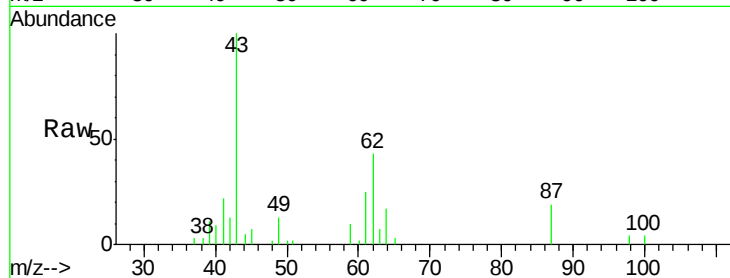
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	21727
Ion	Ratio	Lower	Upper
43	100		
61	40.9	30.5	45.7
87	19.4	14.7	22.1

Manual Integrations
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MMDadoda
11/4/2020 10:43:16 AM



#44

Trichloroethene

Concen: 10.427 ug/l

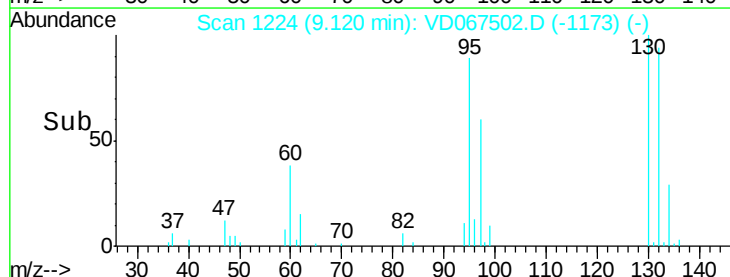
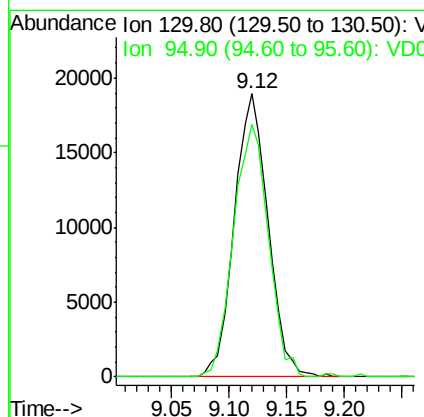
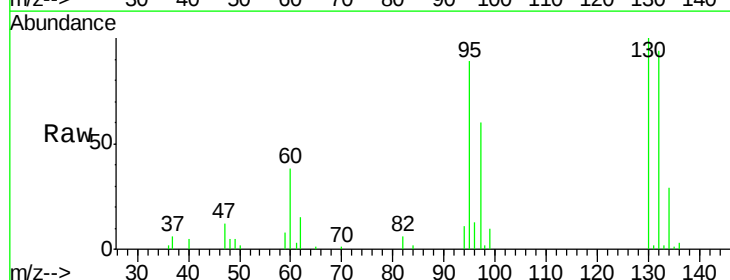
RT: 9.12 min Scan# 1224

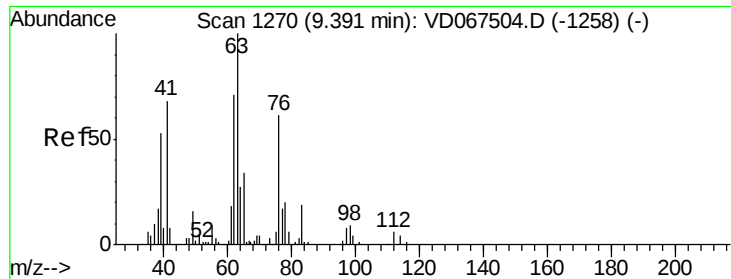
Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Tgt Ion:	130	Resp:	38371
Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	194.4





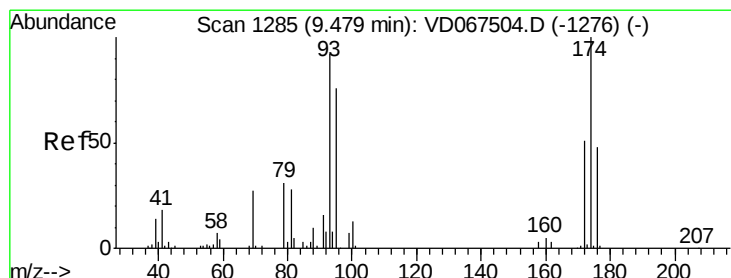
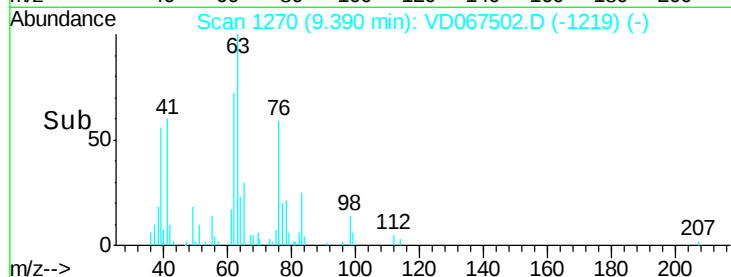
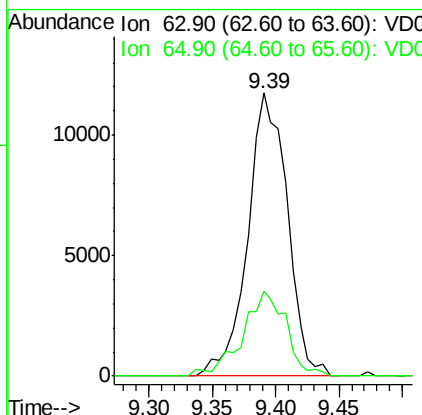
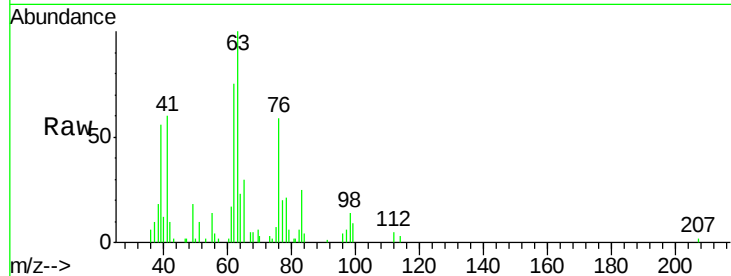
#45
 1,2-Dichloropropane
 Concen: 10.550 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	26.9	40.3

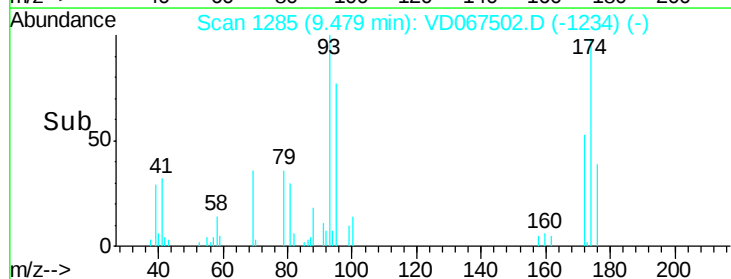
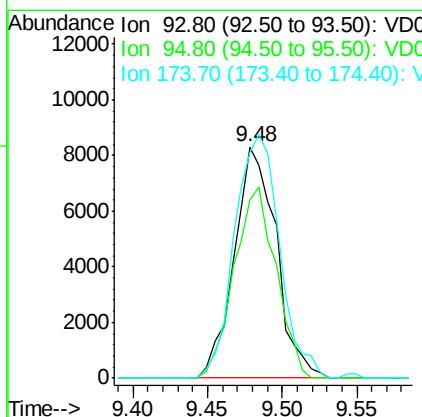
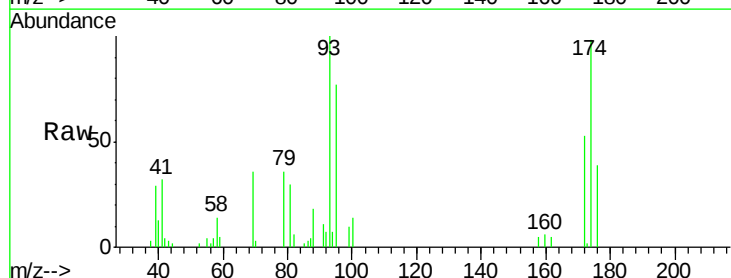
Manual Integrations
 APPROVED

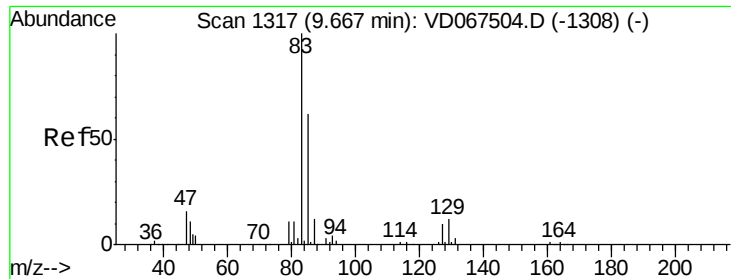
MMDadoda
 11/4/2020 10:43:16 AM



#46
 Dibromomethane
 Concen: 10.520 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.4	99.6
174	113.1	88.2	132.4





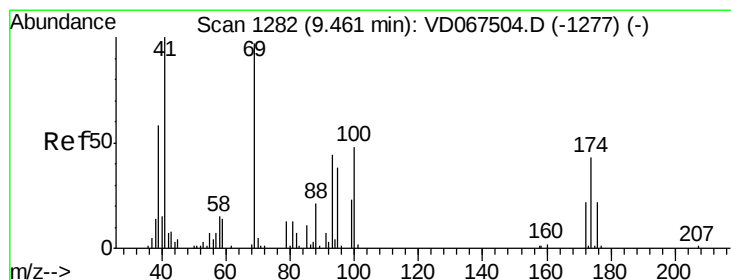
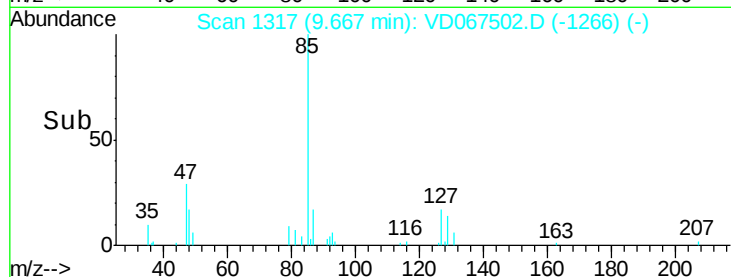
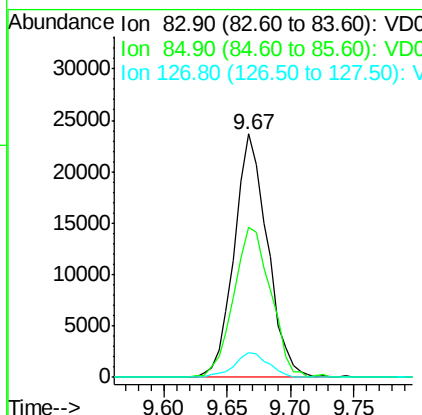
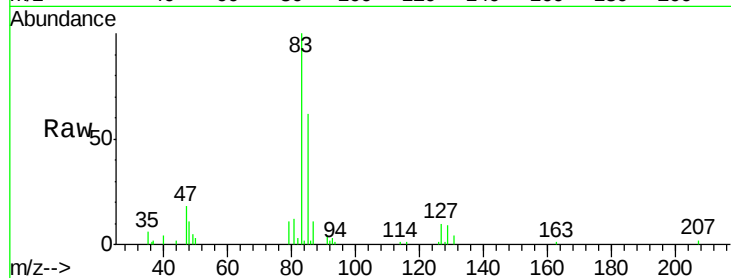
#47
Bromodichloromethane
Concen: 10.292 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	43040
Ion Ratio	100	Lower	Upper
83	100		
85	61.8	49.4	74.2
127	10.3	7.7	11.5

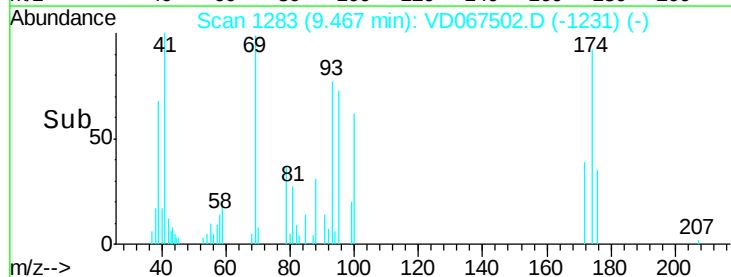
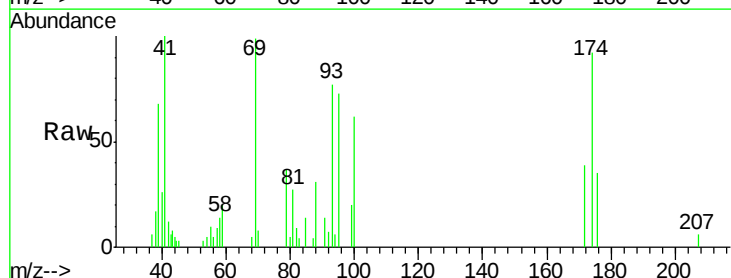
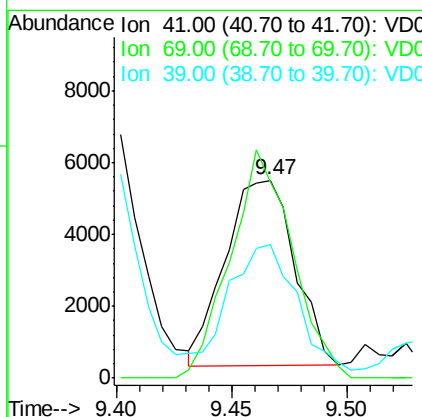
Manual Integrations
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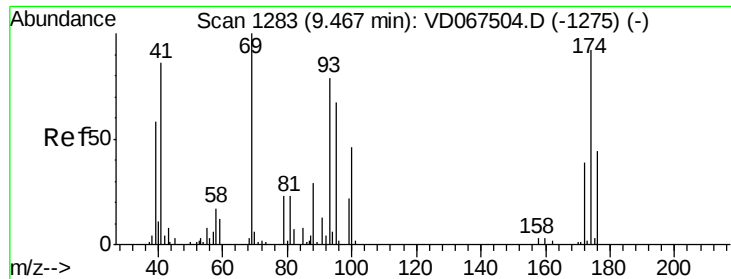
MMDadoda
11/4/2020 10:43:16 AM



#48
Methyl methacrylate
Concen: 9.813 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion	41	Resp	10748
Ion Ratio	100	Lower	Upper
41	100		
69	110.5	80.6	121.0
39	73.8	50.2	75.4





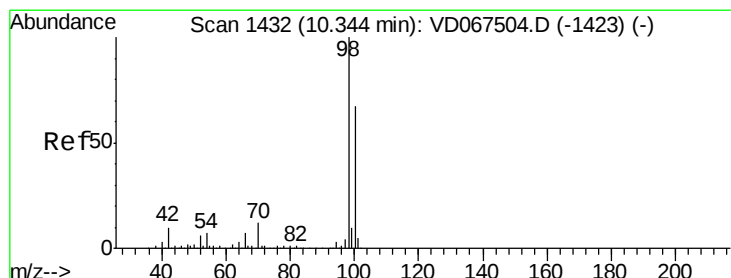
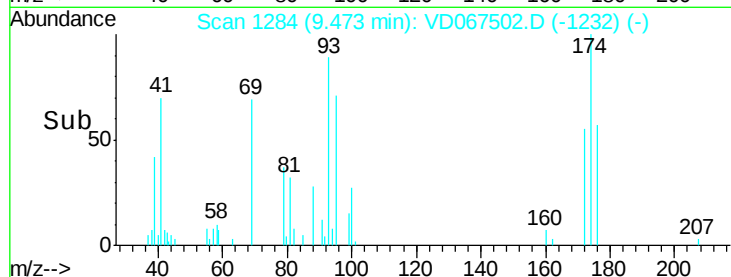
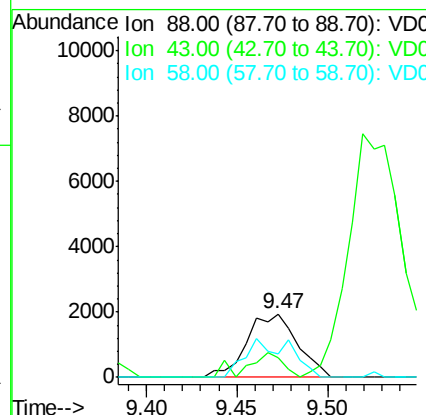
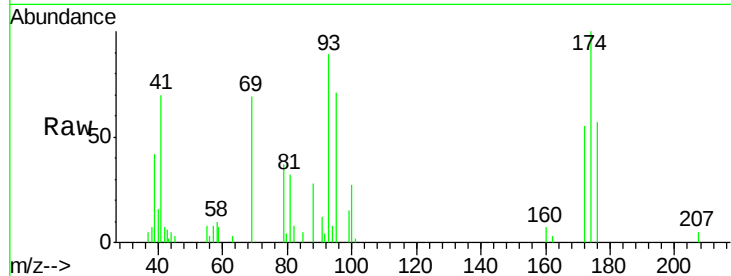
#49
1,4-Dioxane
Concen: 239.520 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	23.1	23.6	35.4#
58	54.0	44.7	67.1

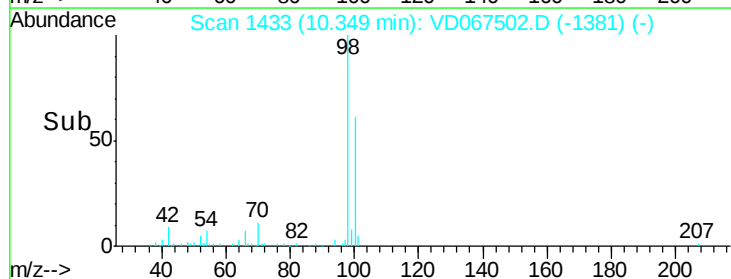
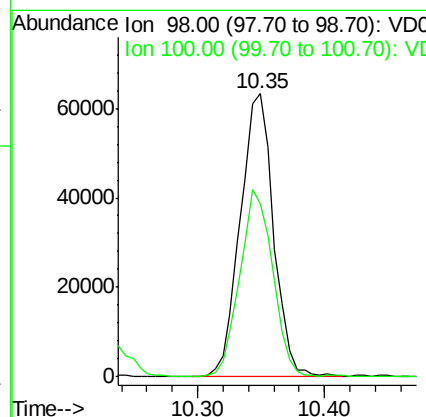
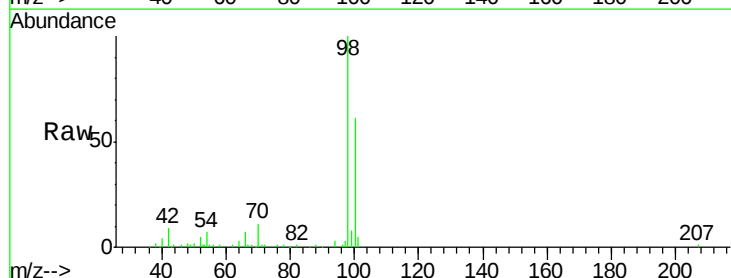
Manual Integrations
APPROVED

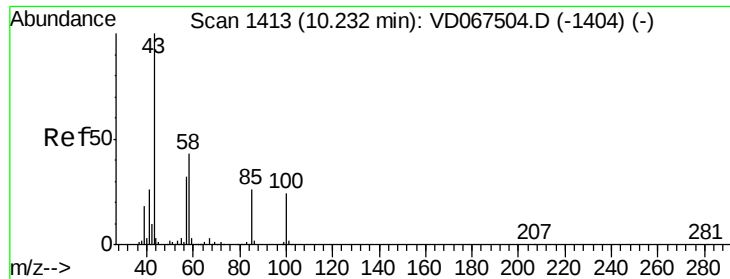
MMDadoda
11/4/2020 10:43:16 AM



#50
Toluene-d8
Concen: 11.285 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.6





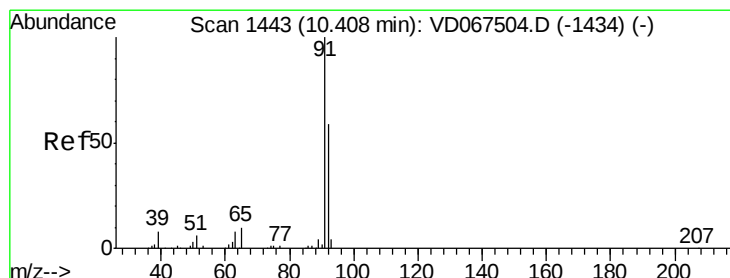
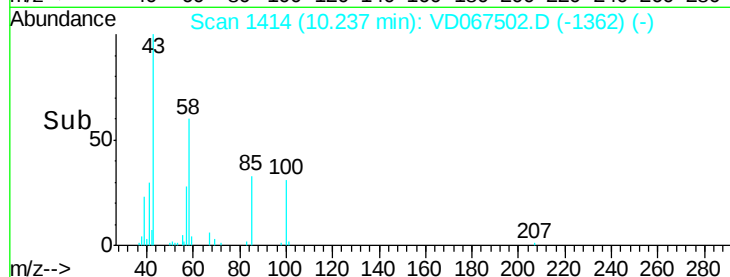
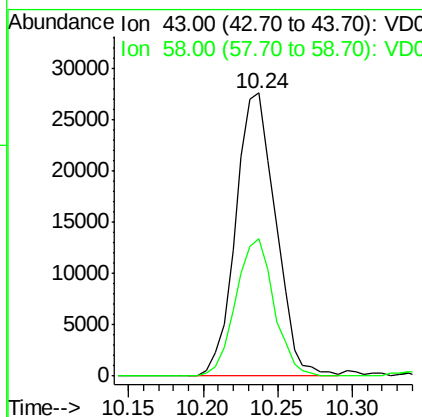
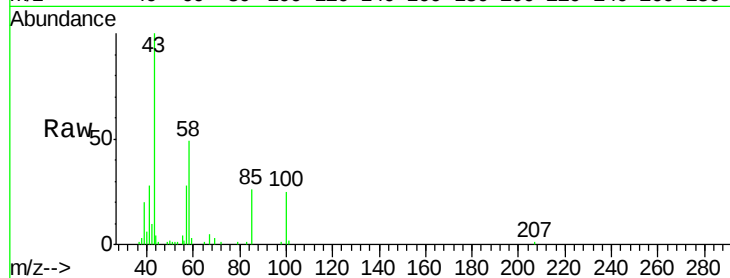
#51
4-Methyl-2-Pentanone
Concen: 50.684 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	43	Resp	51422
Ion Ratio	43	100	
Lower	58	46.3	35.6
Upper			53.4

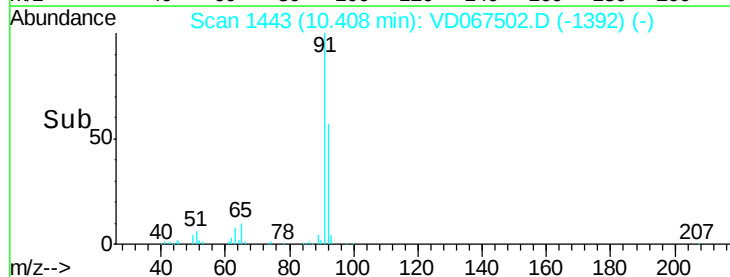
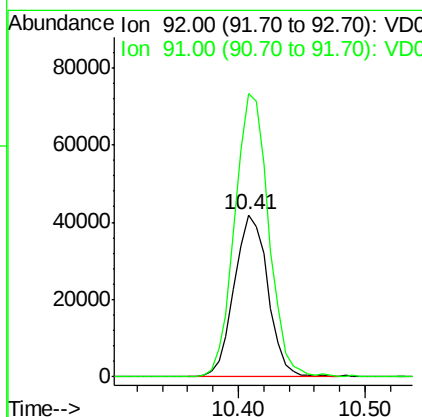
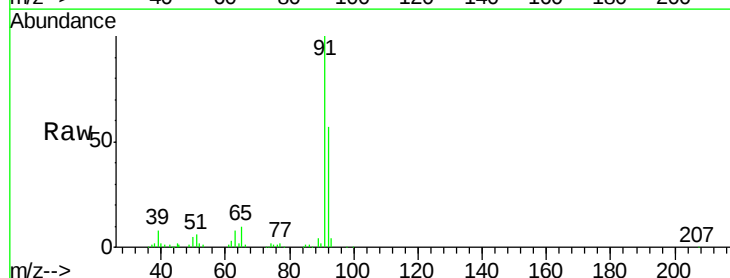
Manual Integrations
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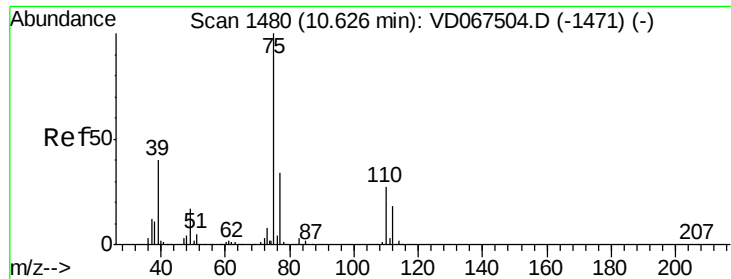
MMDadoda
11/4/2020 10:43:16 AM



#52
Toluene
Concen: 10.292 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion	92	Resp	77150
Ion Ratio	92	100	
Lower	91	176.2	137.0
Upper			205.6





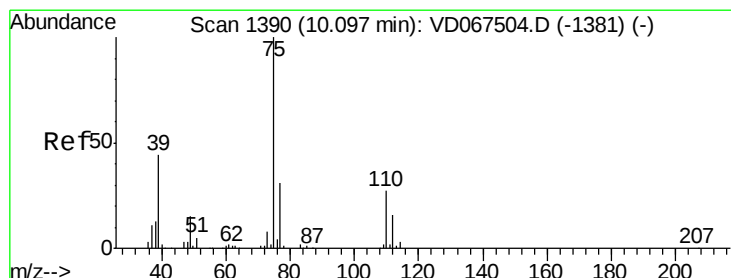
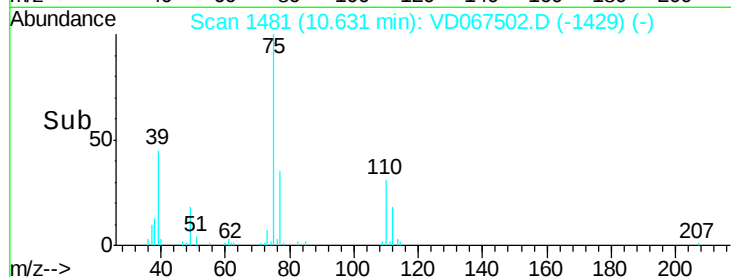
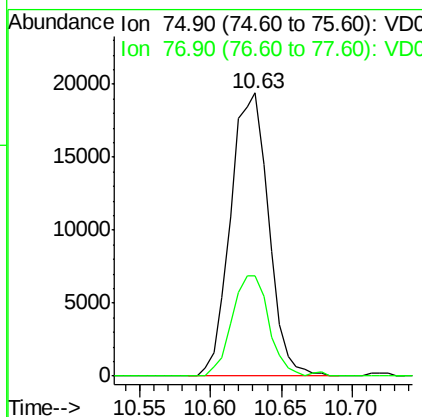
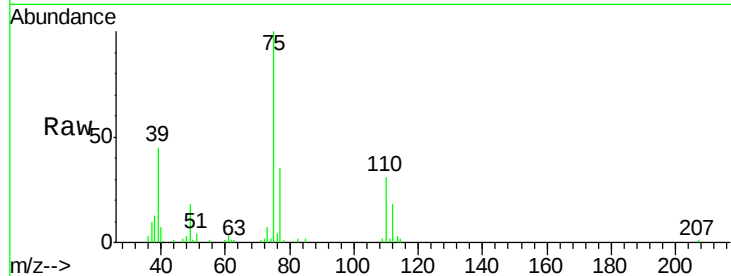
#53
t-1,3-Dichloropropene
Concen: 10.181 ug/l
RT: 10.63 min Scan# 1481
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 36462
Ion Ratio Lower Upper
75 100
77 35.4 27.0 40.6

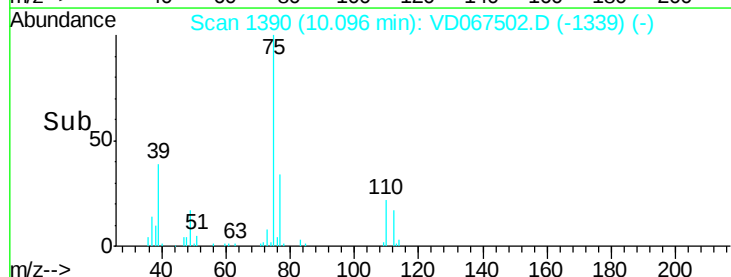
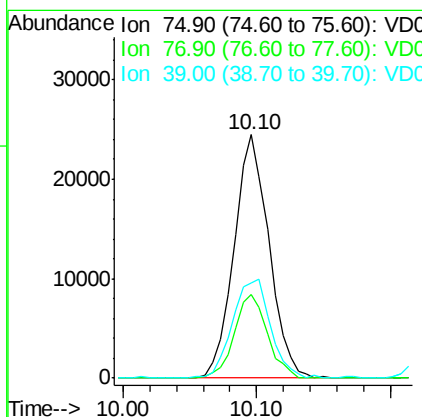
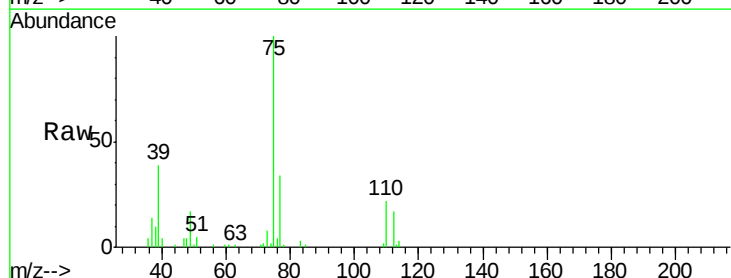
Manual Integrations
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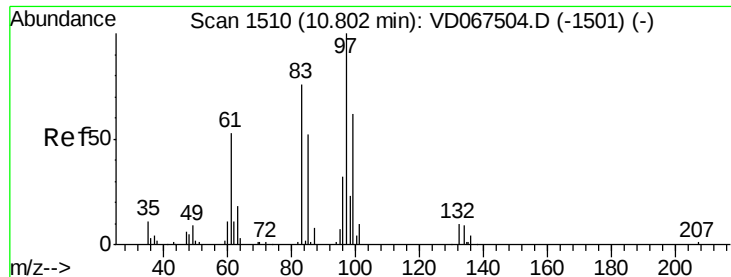
MMDadoda
11/4/2020 10:43:16 AM



#54
cis-1,3-Dichloropropene
Concen: 10.421 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion: 75 Resp: 44342
Ion Ratio Lower Upper
75 100
77 34.3 24.4 36.6
39 39.2 35.6 53.4





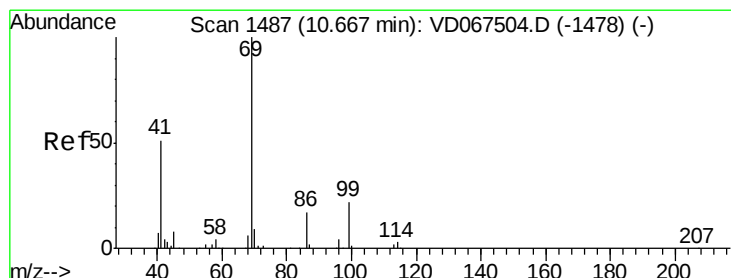
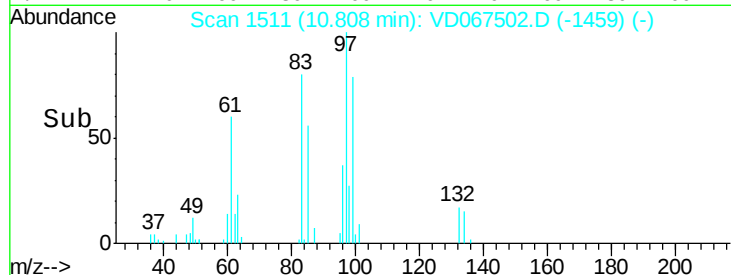
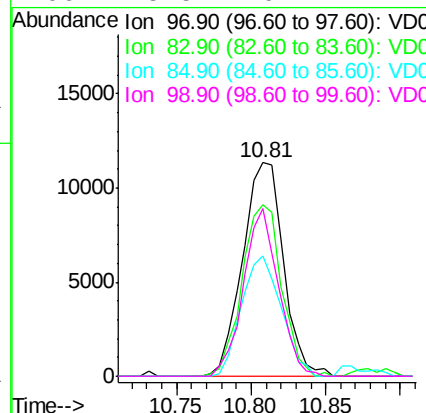
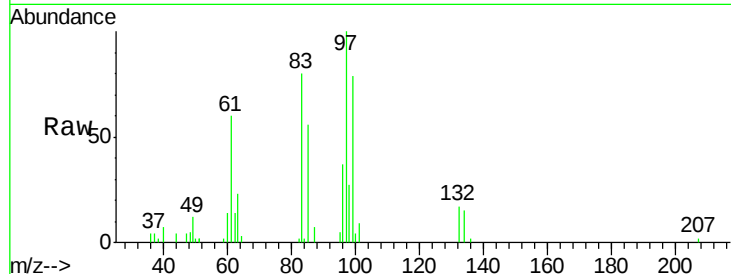
#55
 1,1,2-Trichloroethane
 Concen: 10.598 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	80.2	61.0	91.6
85	56.1	41.5	62.3
99	78.5	49.4	74.2

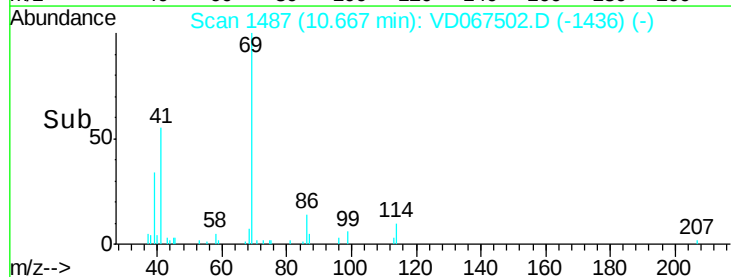
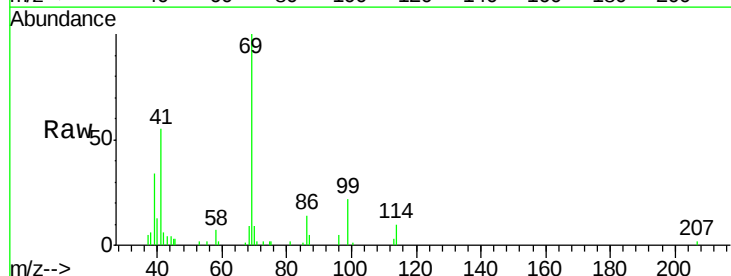
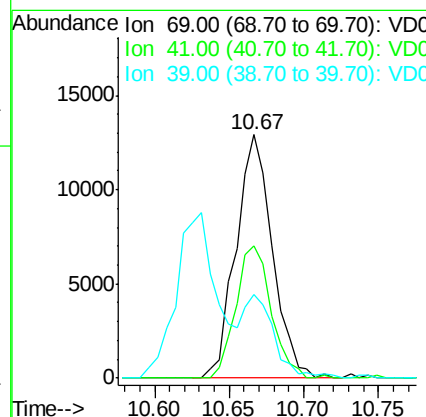
Manual Integrations
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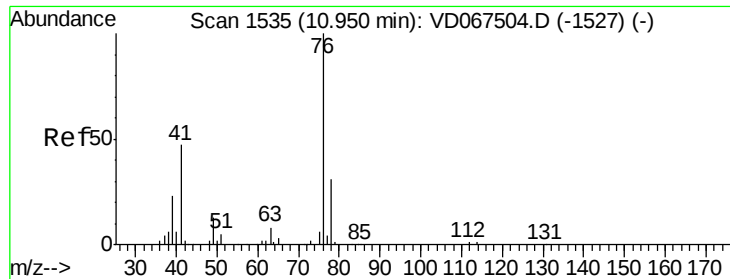
MMDadoda
 11/4/2020 10:43:16 AM



#56
 Ethyl methacrylate
 Concen: 10.429 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	52.6	45.4	68.0
39	28.6	27.4	41.0





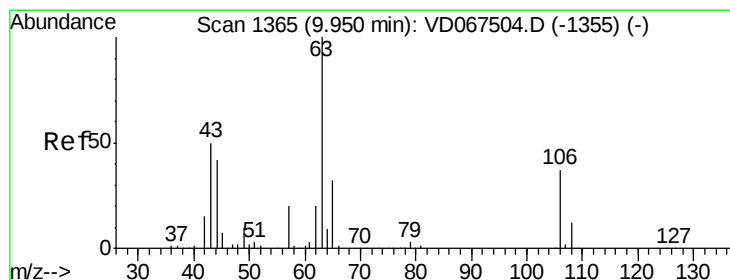
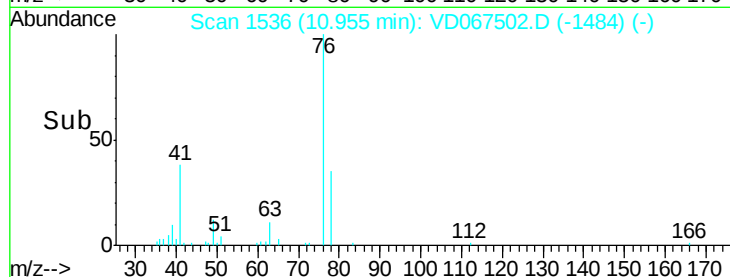
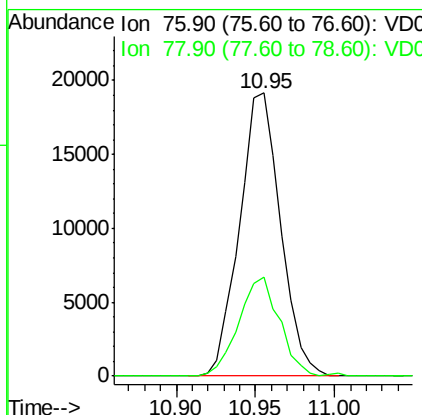
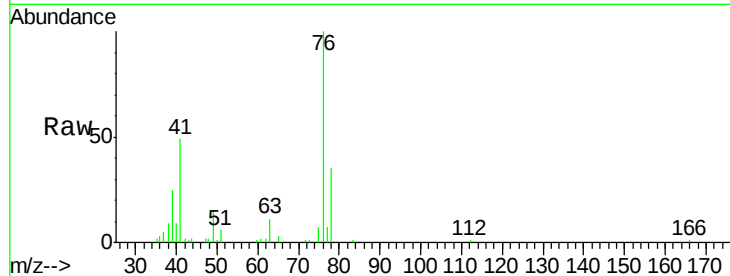
#57
 1,3-Dichloropropane
 Concen: 10.513 ug/l
 RT: 10.95 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 34438
 Ion Ratio Lower Upper
 76 100
 78 34.8 26.1 39.1

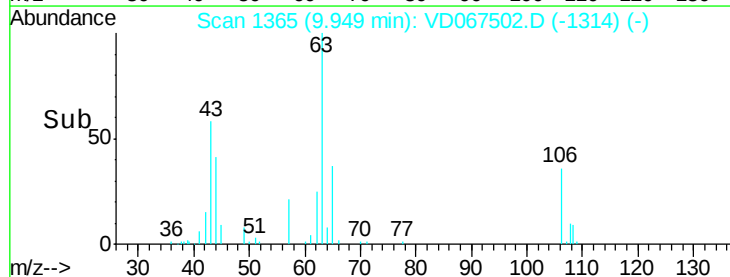
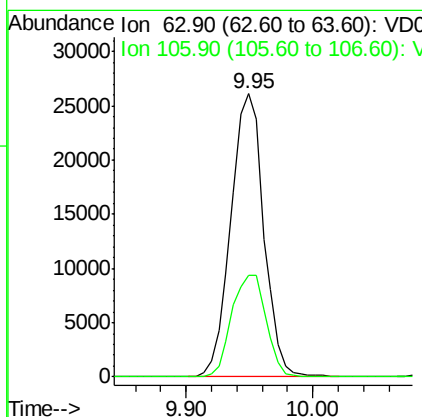
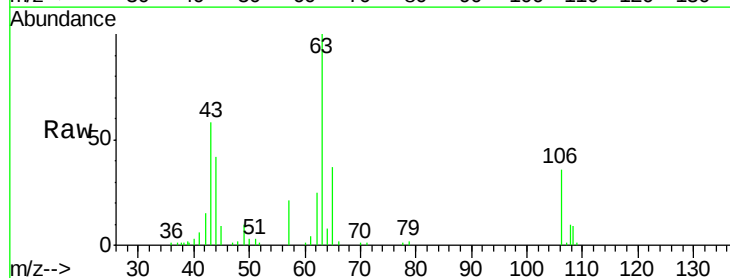
Manual Integrations
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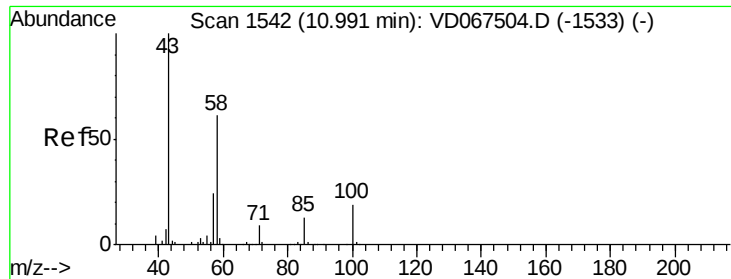
MMDadoda
 11/4/2020 10:43:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 47.874 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion: 63 Resp: 46931
 Ion Ratio Lower Upper
 63 100
 106 37.6 29.2 43.8





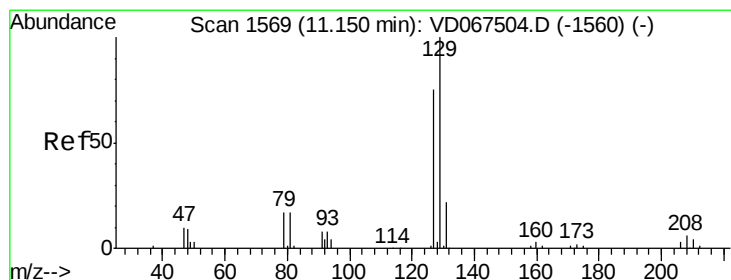
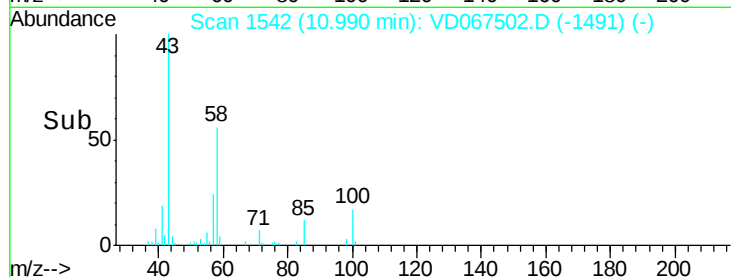
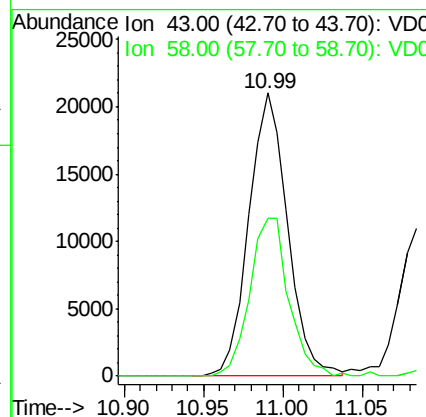
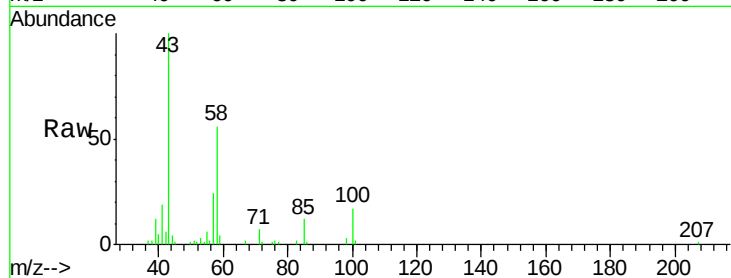
#59
2-Hexanone
Concen: 50.337 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 35708
Ion Ratio Lower Upper
43 100
58 56.3 30.3 90.9

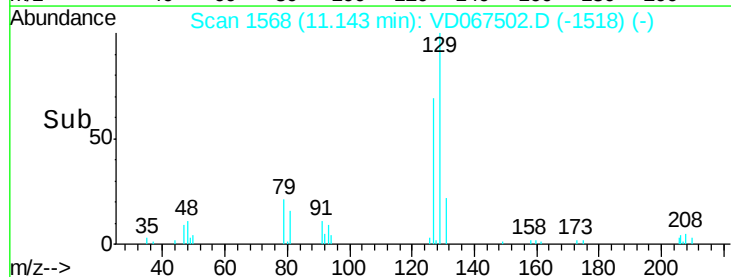
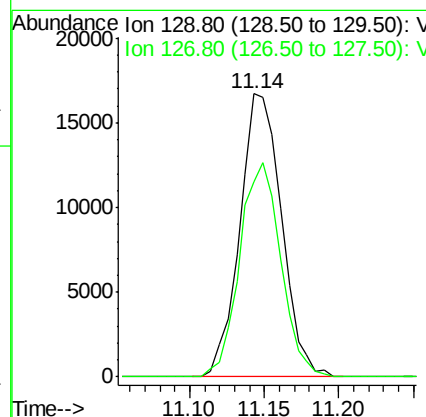
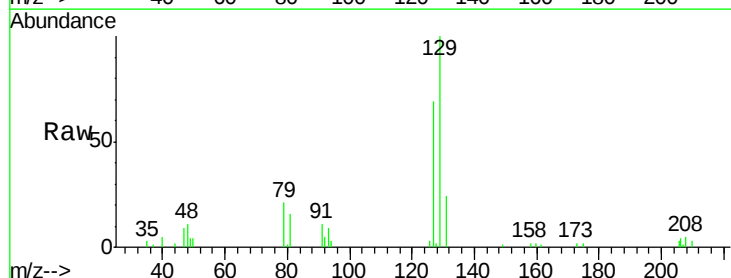
Manual Integrations
APPROVED

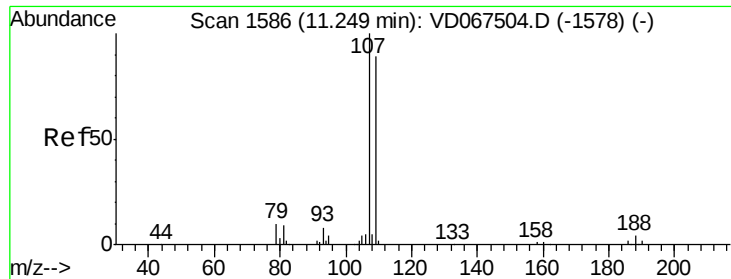
MMDadoda
11/4/2020 10:43:16 AM



#60
Dibromochloromethane
Concen: 10.785 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion: 129 Resp: 32478
Ion Ratio Lower Upper
129 100
127 74.3 38.0 114.1





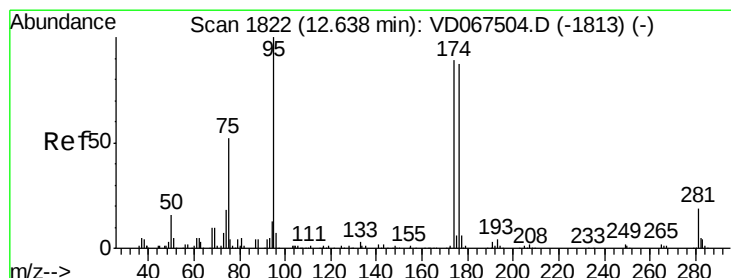
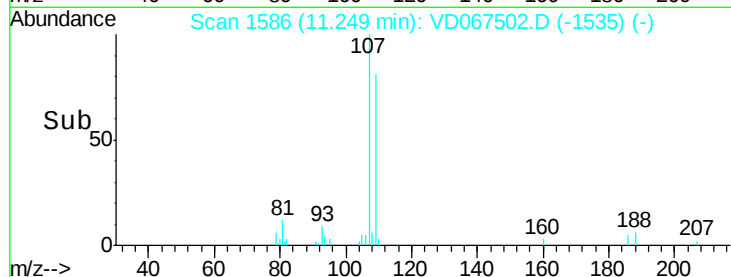
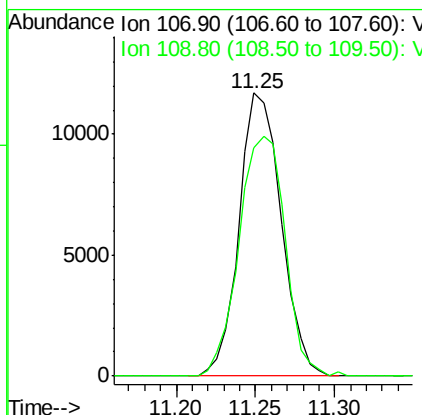
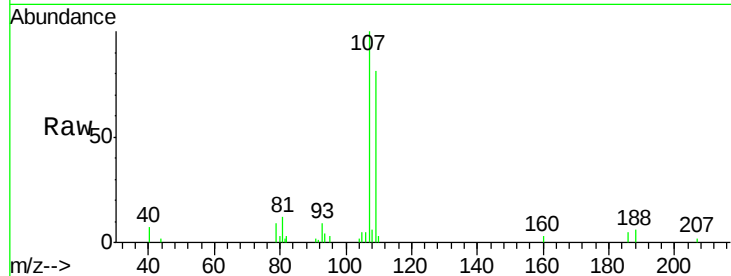
#61
 1,2-Dibromoethane
 Concen: 10.586 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 21628
 Ion Ratio Lower Upper
 107 100
 109 93.0 74.6 111.8

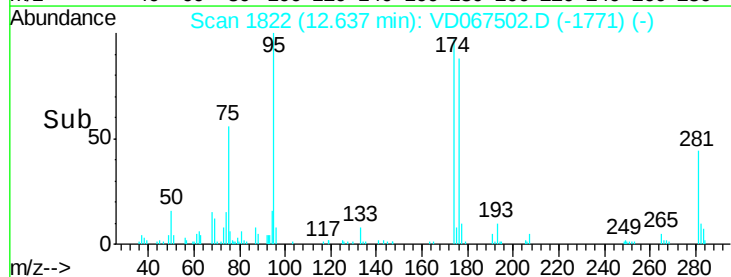
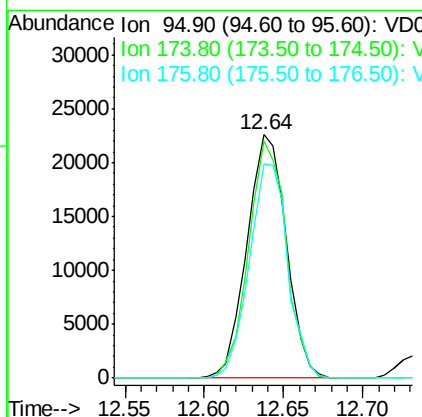
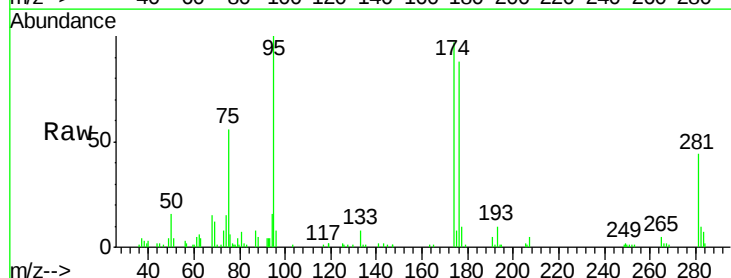
Manual Integrations
 APPROVED

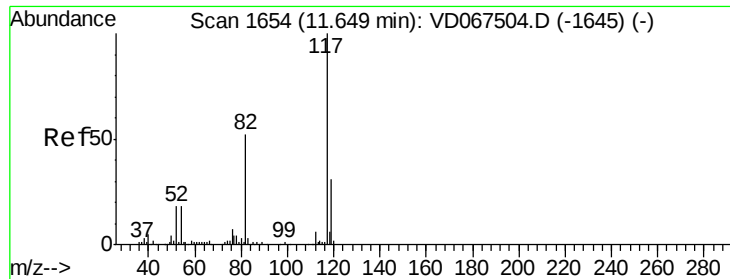
MMDadoda
 11/4/2020 10:43:16 AM



#62
 4-Bromofluorobenzene
 Concen: 11.080 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion: 95 Resp: 39096
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 177.8
 176 85.9 0.0 172.0





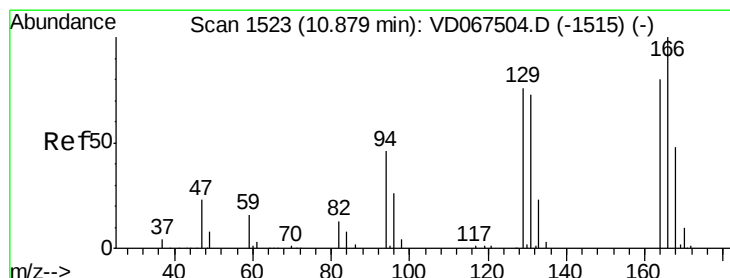
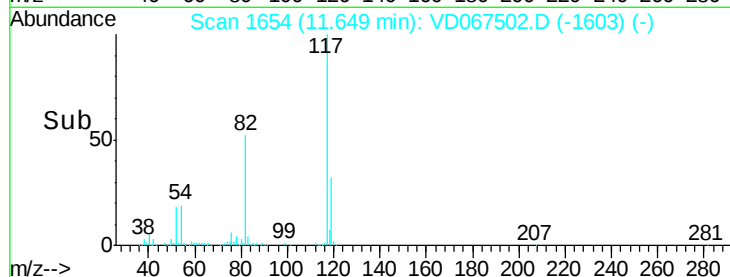
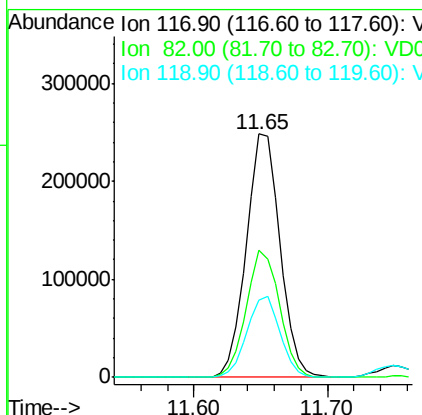
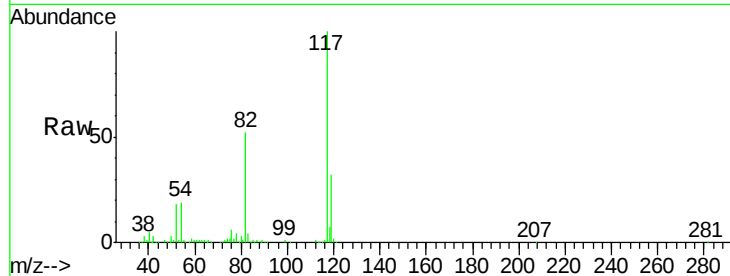
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.6	62.4
119	31.8	25.1	37.7

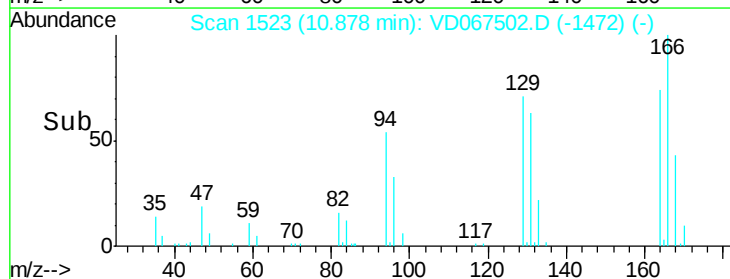
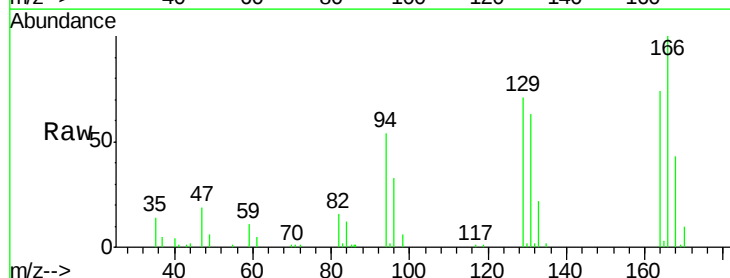
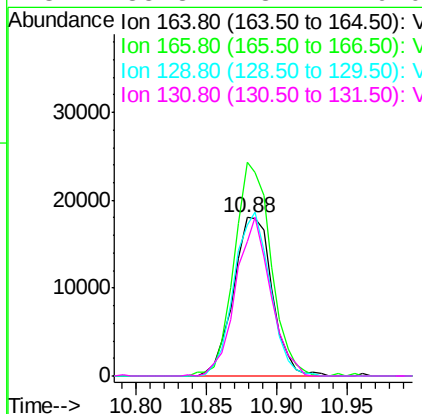
Manual Integrations
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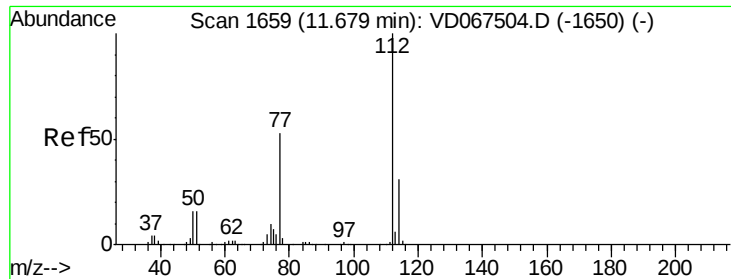
MMDadoda
11/4/2020 10:43:16 AM



#64
Tetrachloroethene
Concen: 10.803 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.9	99.9	149.9
129	95.7	75.5	113.3
131	85.3	73.4	110.0





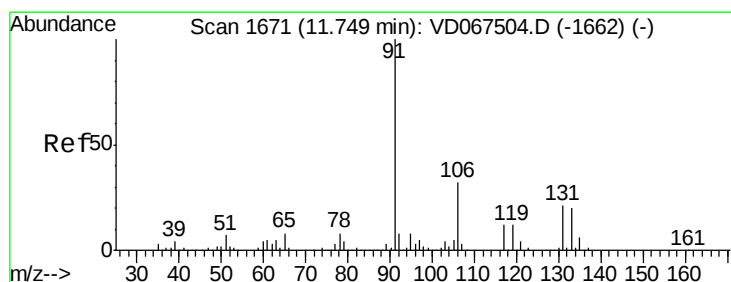
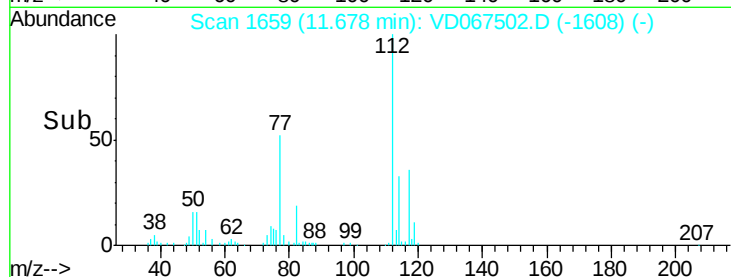
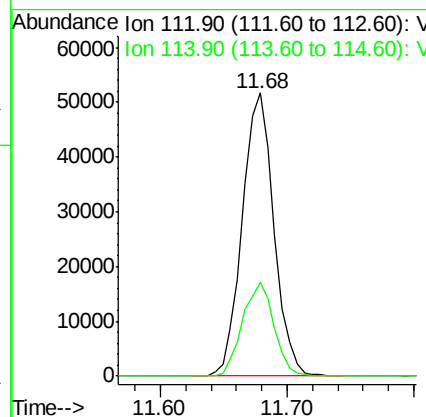
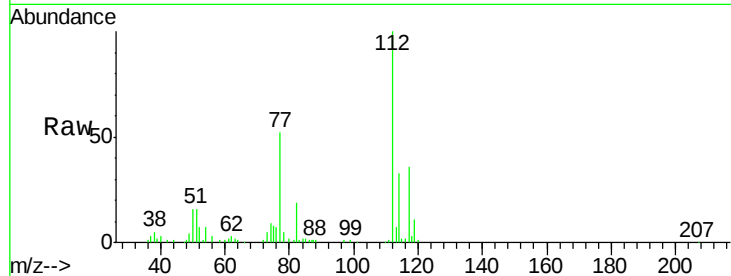
#65
Chlorobenzene
Concen: 10.717 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	24.9	37.3

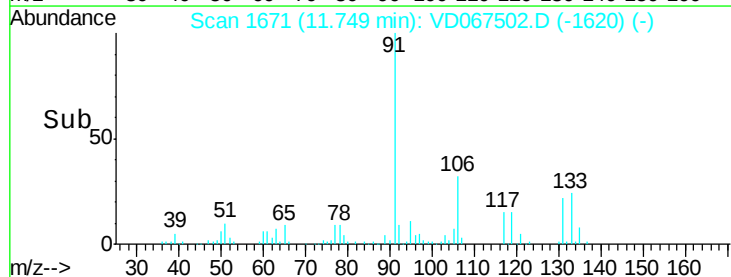
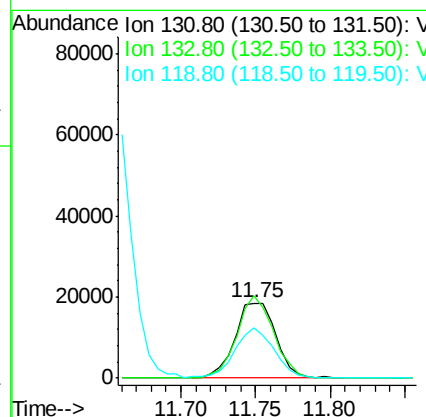
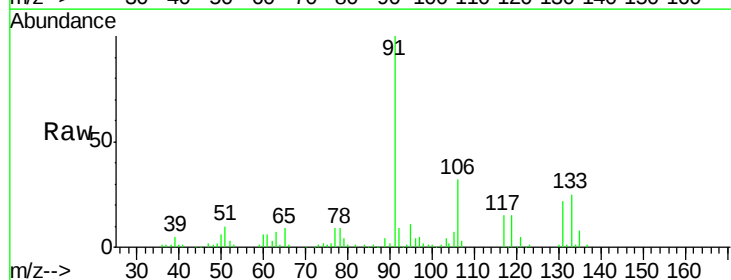
Manual Integrations
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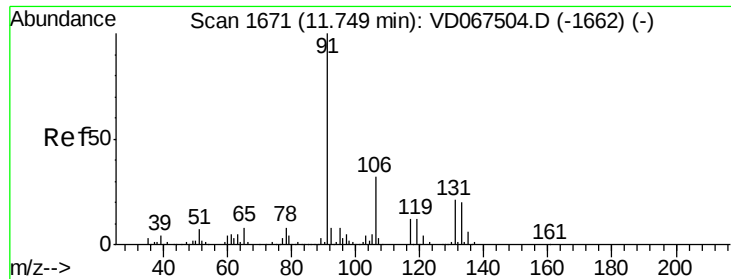
MMDadoda
11/4/2020 10:43:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 10.758 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.1	48.0	144.0
119	63.3	30.1	90.5





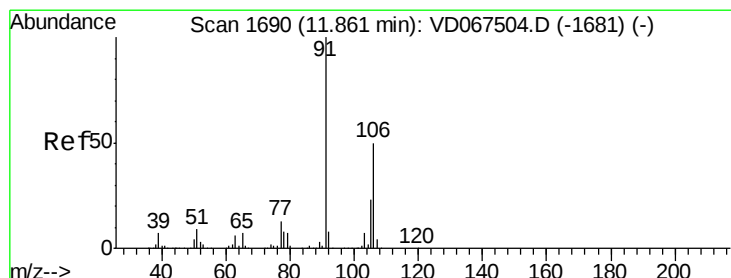
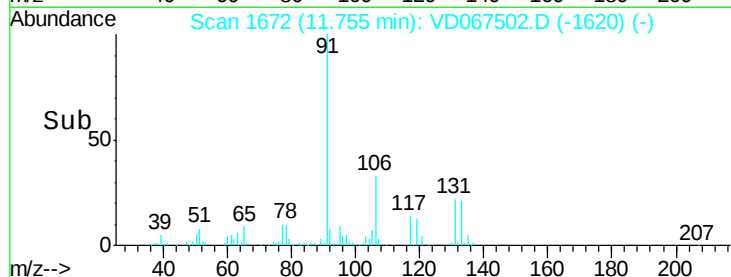
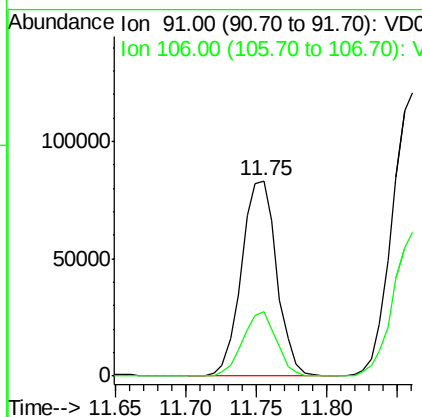
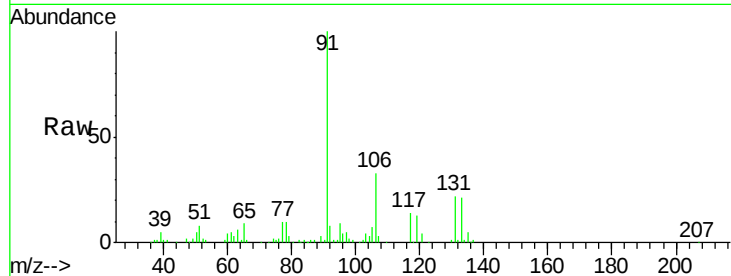
#67
Ethyl Benzene
Concen: 10.210 ug/l
RT: 11.75 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 145674
Ion Ratio Lower Upper
91 100
106 33.2 25.7 38.5

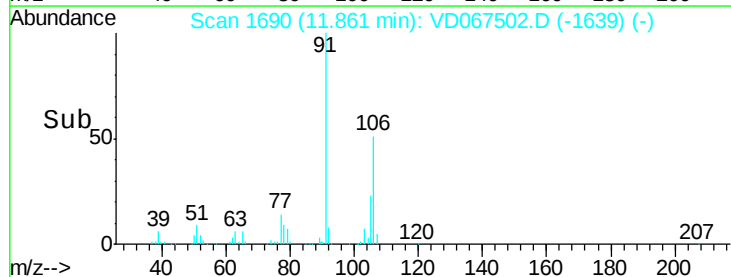
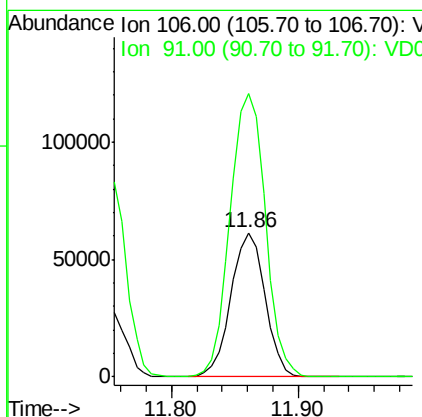
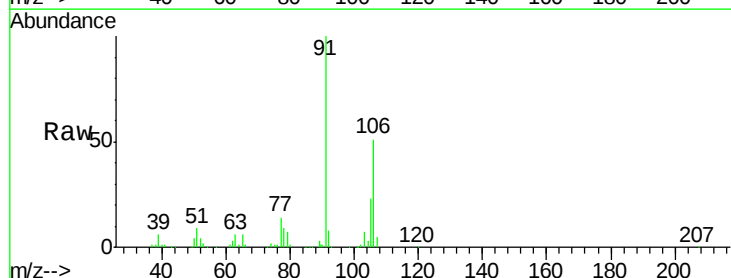
Manual Integrations
APPROVED

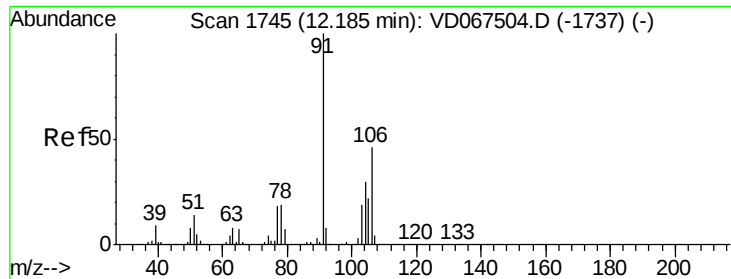
MMDadoda
11/4/2020 10:43:16 AM



#68
m/p-Xylenes
Concen: 20.633 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion: 106 Resp: 114526
Ion Ratio Lower Upper
106 100
91 203.7 162.6 244.0





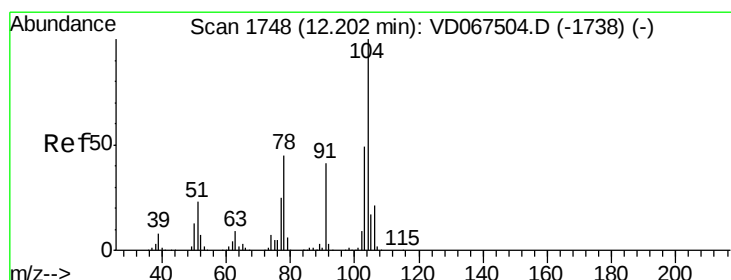
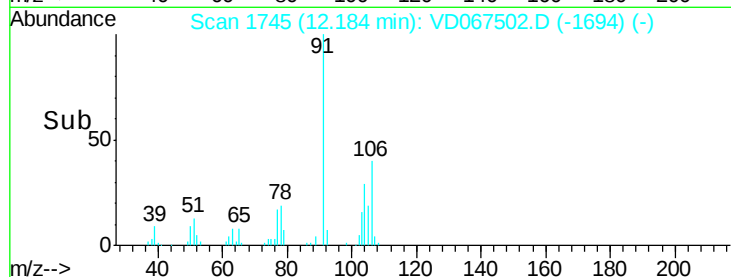
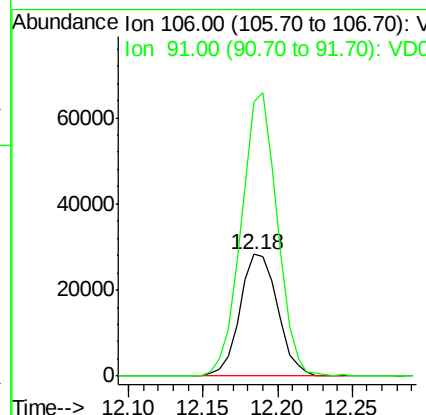
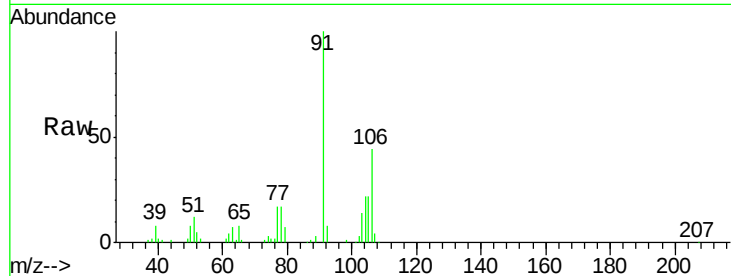
#69
o-Xylene
Concen: 10.074 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 49922
Ion Ratio Lower Upper
106 100
91 220.4 107.1 321.1

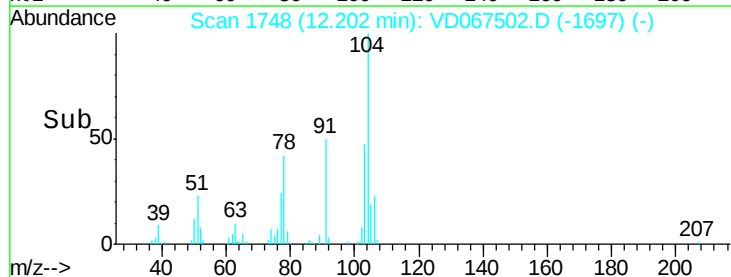
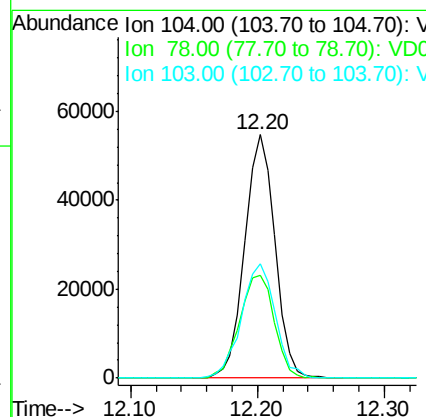
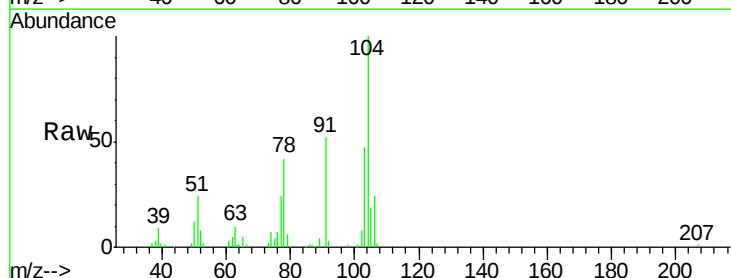
Manual Integrations
APPROVED

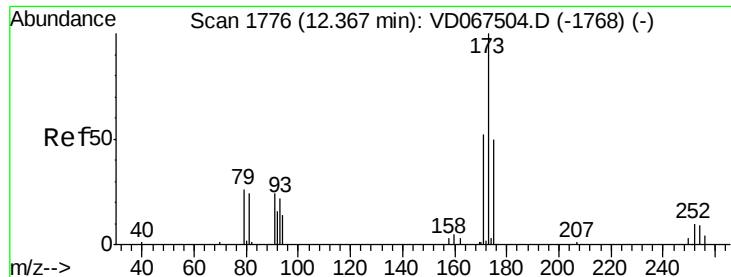
MMDadoda
11/4/2020 10:43:16 AM



#70
Styrene
Concen: 10.526 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion:104 Resp: 90899
Ion Ratio Lower Upper
104 100
78 48.3 39.8 59.8
103 52.5 43.9 65.9





#71

Bromoform

Concen: 10.509 ug/l

RT: 12.37 min Scan# 1777

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 17613

Ion Ratio Lower Upper

173 100

175 57.4 24.1 72.2

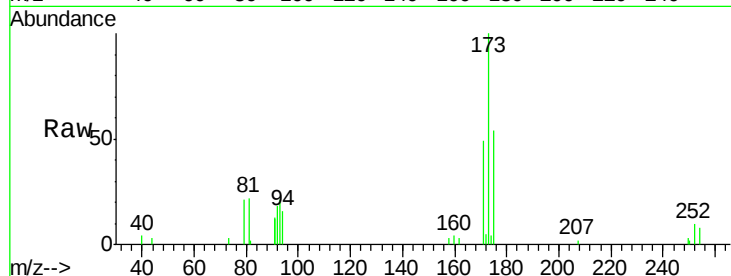
254 0.0 0.0 0.0

Manual Integrations

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MMDadoda

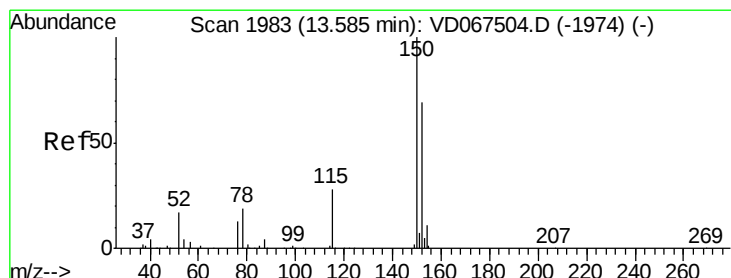
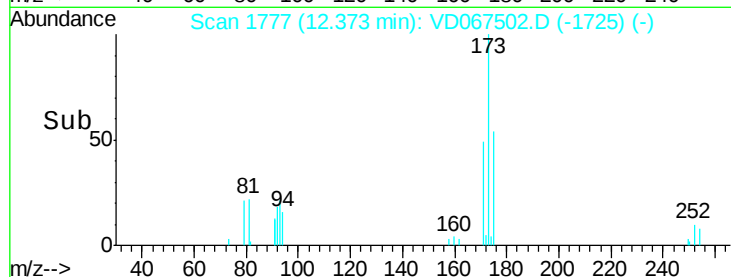
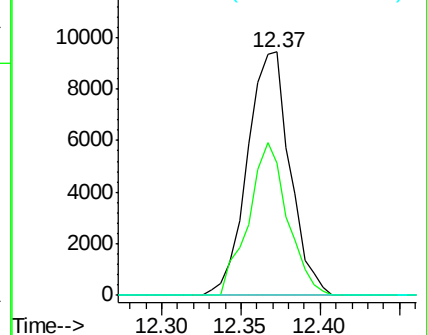
11/4/2020 10:43:16 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

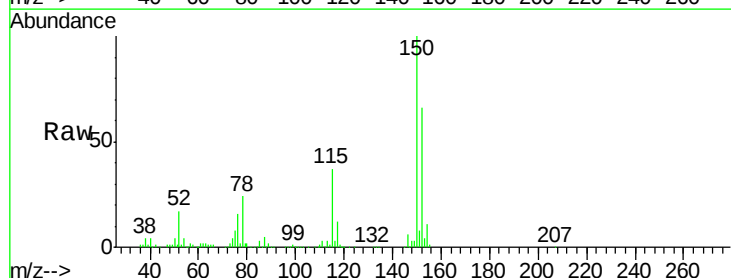
Tgt Ion:152 Resp: 223150

Ion Ratio Lower Upper

152 100

115 58.8 29.3 88.0

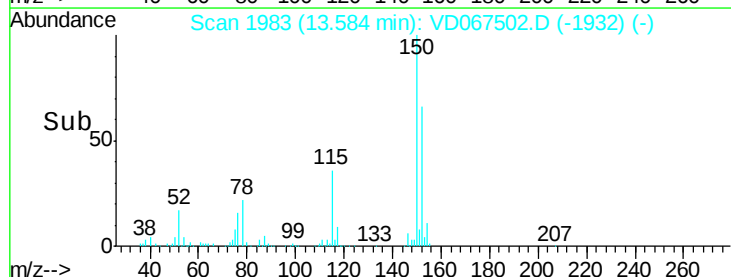
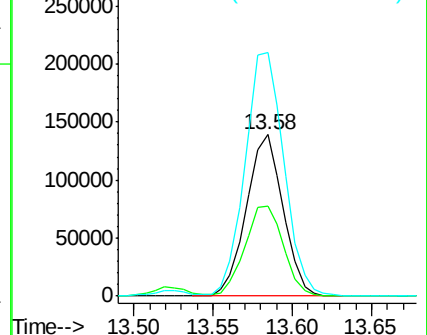
150 160.7 0.0 338.2

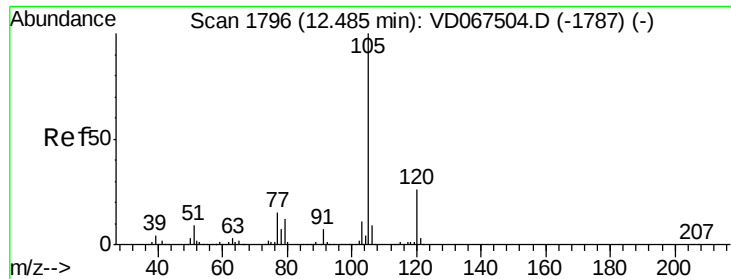


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





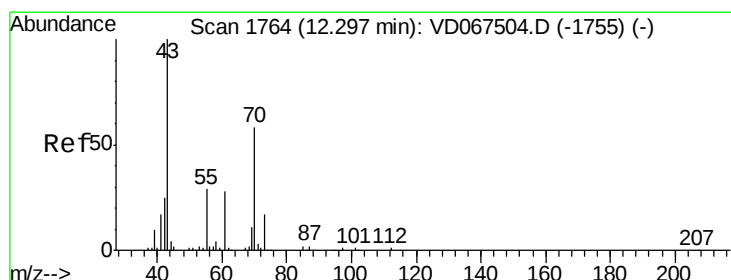
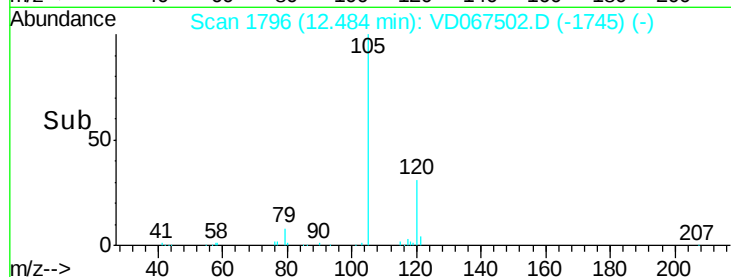
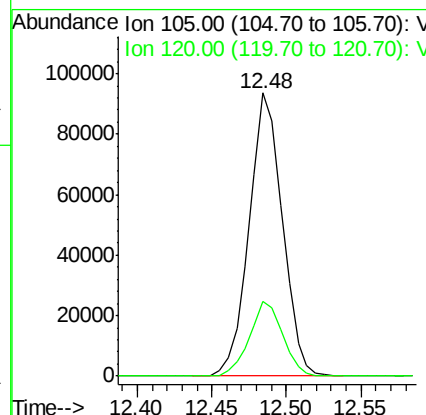
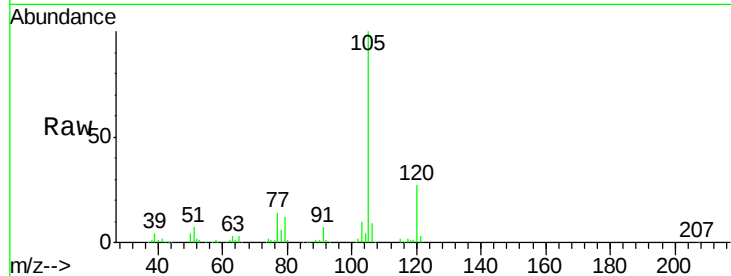
#73
Isopropylbenzene
Concen: 9.972 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

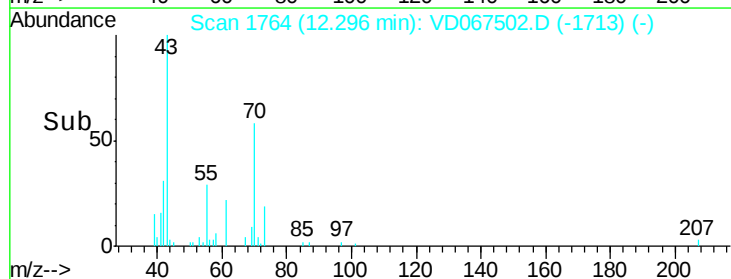
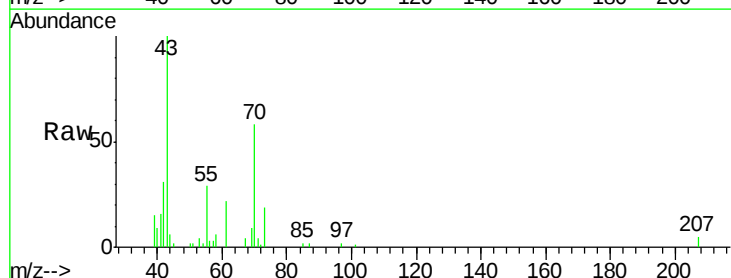
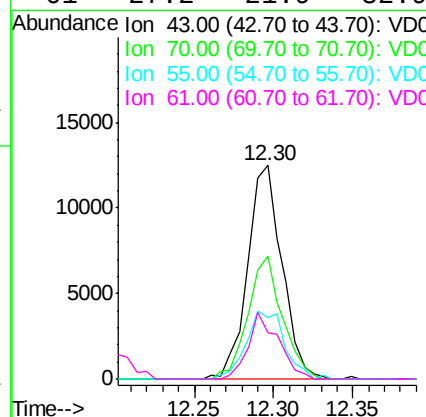
Manual Integrations
APPROVED

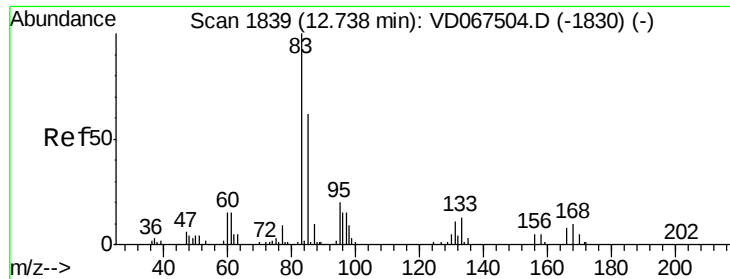
MMDadoda
11/4/2020 10:43:16 AM



#74
N-ethyl acetate
Concen: 9.898 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
70	57.5	42.6	64.0
55	35.6	23.7	35.5#
61	27.2	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 10.326 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

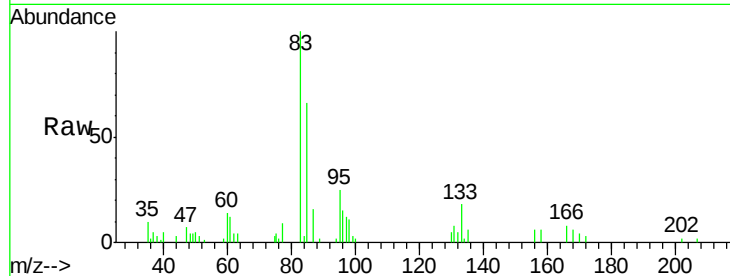
ClientSampleId :

VSTDIC010

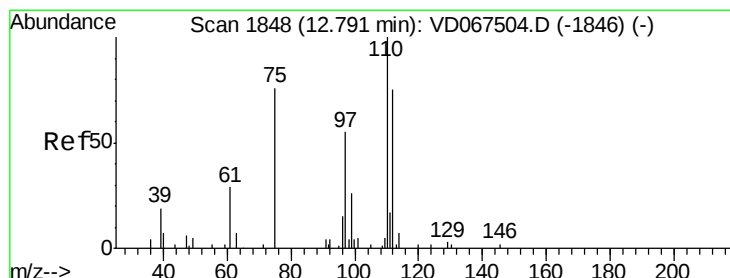
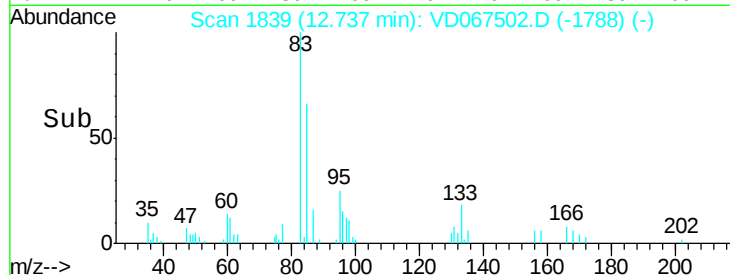
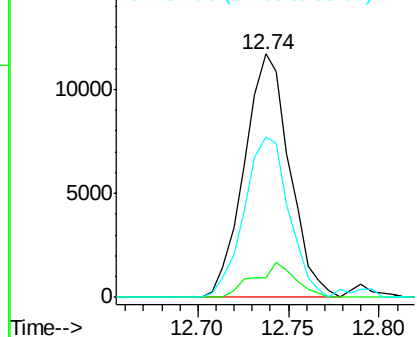
Tot Ion:	83	Resp:	20307
Ion Ratio	Lower	Upper	
83	100		
131	12.9	7.1	21.3
85	65.4	32.9	98.7

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



#76

1,2,3-Trichloropropane

Concen: 10.450 ug/l m

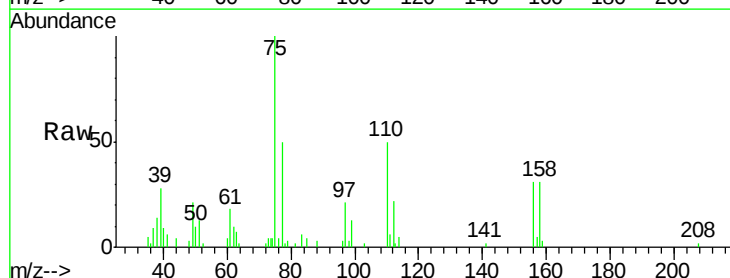
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

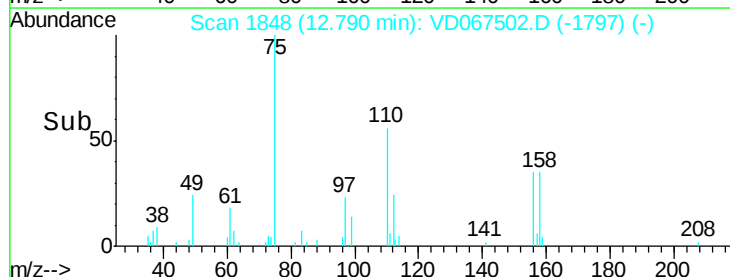
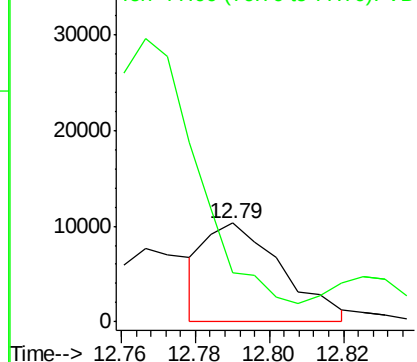
Lab File: VD067502.D

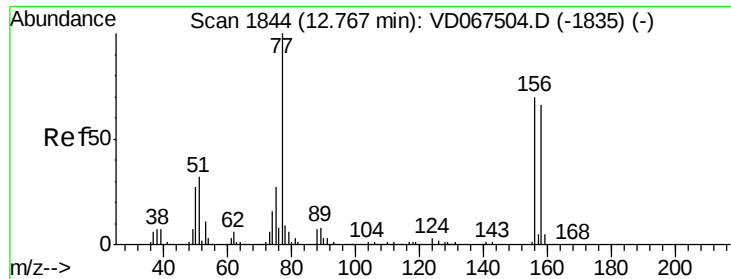
Acq: 03 Nov 2020 10:43

Tgt Ion:	75	Resp:	14706
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 10.353 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

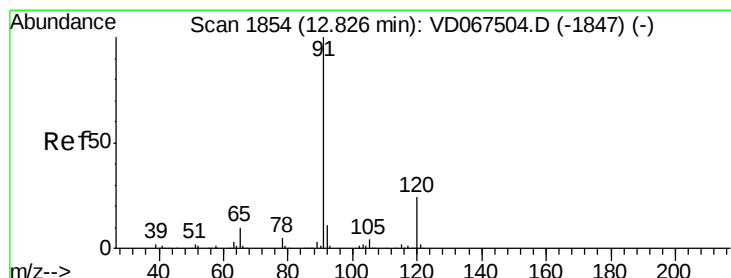
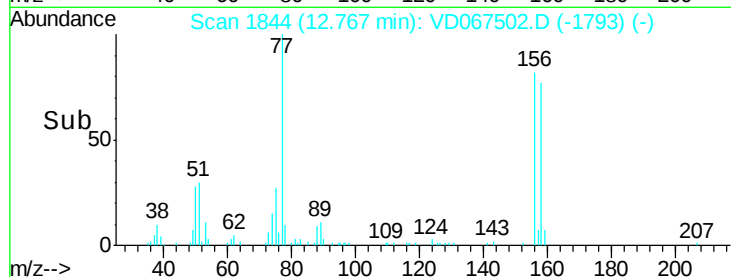
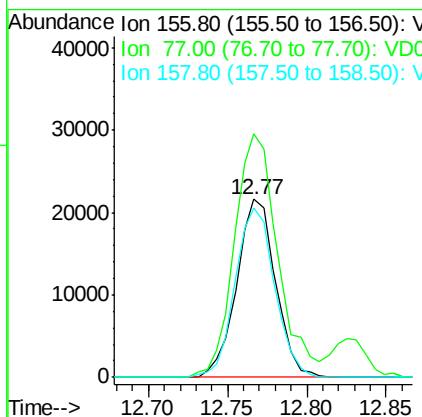
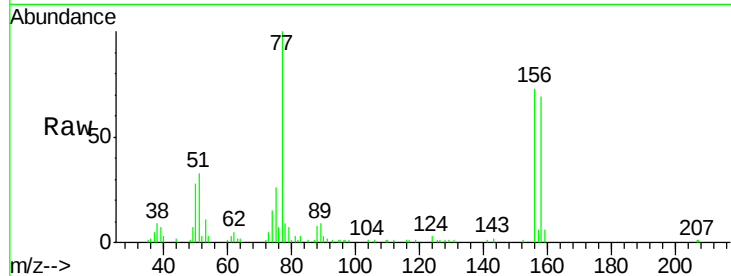
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		36669		
77	153.2		77.8	233.5	
158	96.9		47.9	143.7	

Manual Integrations
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#78

n-propylbenzene

Concen: 10.200 ug/l

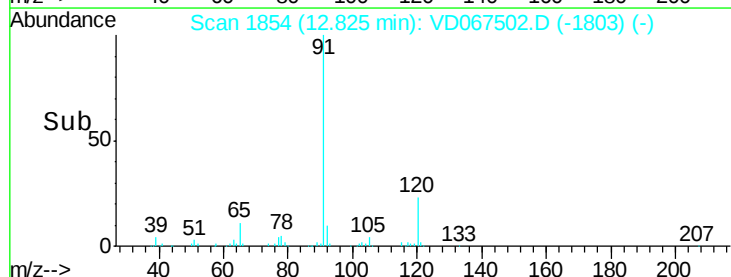
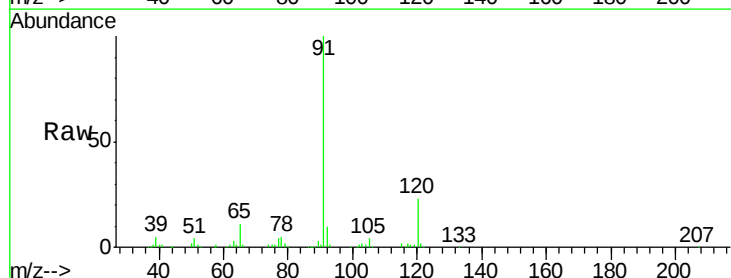
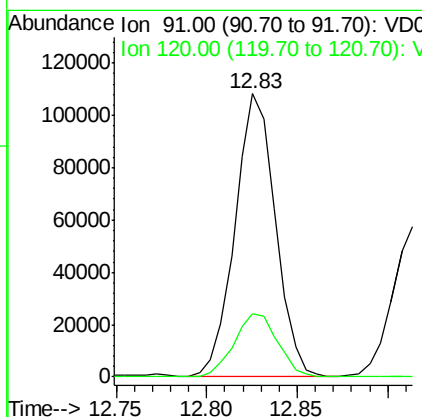
RT: 12.83 min Scan# 1854

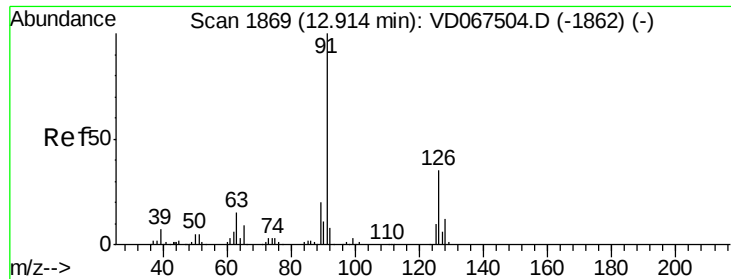
Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		168257		
120	23.7		12.2	36.4	





#79

2-Chlorotoluene

Concen: 10.090 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 94547

Ion Ratio Lower Upper

91 100

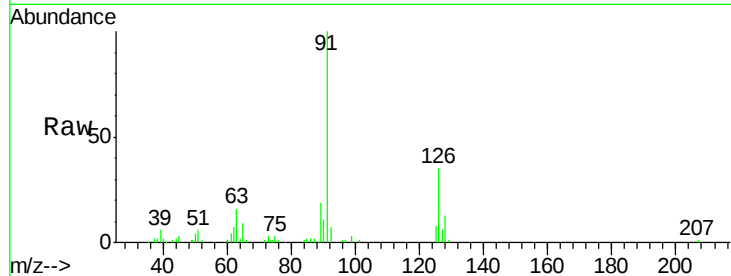
126 37.2 17.8 53.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD067502.D (-1818) (-)

Ion 125.90 (125.60 to 126.60): VD067502.D (-1818) (-)

60000

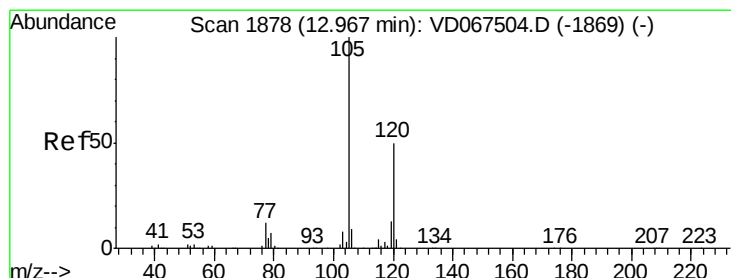
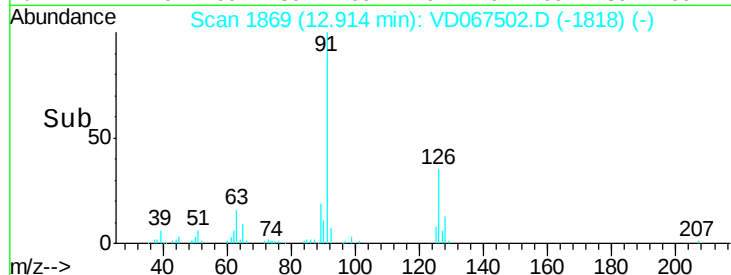
40000

20000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 10.158 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067502.D

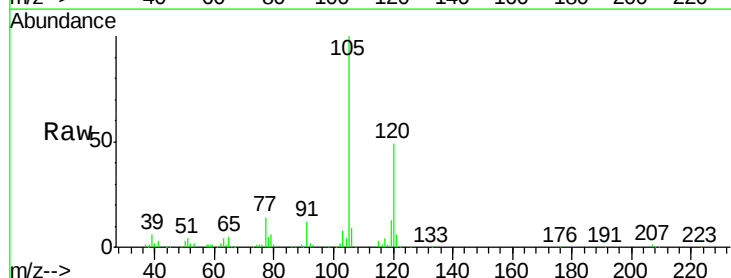
Acq: 03 Nov 2020 10:43

Tgt Ion: 105 Resp: 125143

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067502.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD067502.D (-1827) (-)

80000

60000

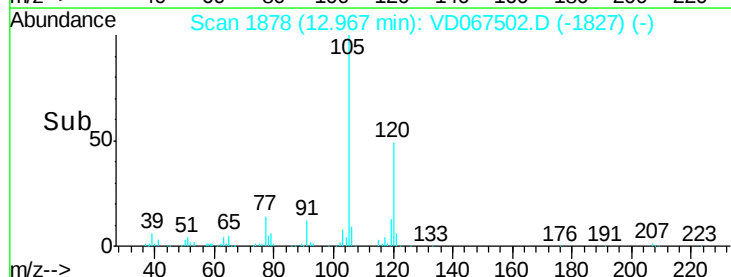
40000

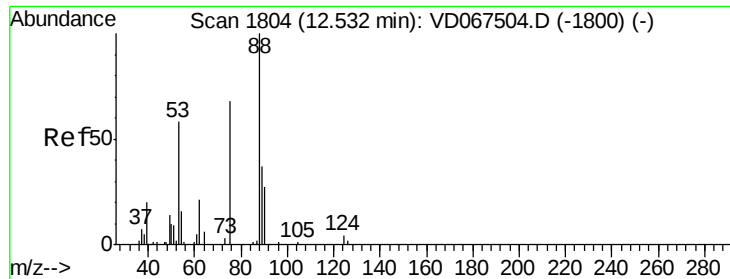
20000

0

12.90 12.95 13.00 13.05

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 11.473 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 7607

Ion Ratio Lower Upper

75 100

53 86.4 75.9 113.9

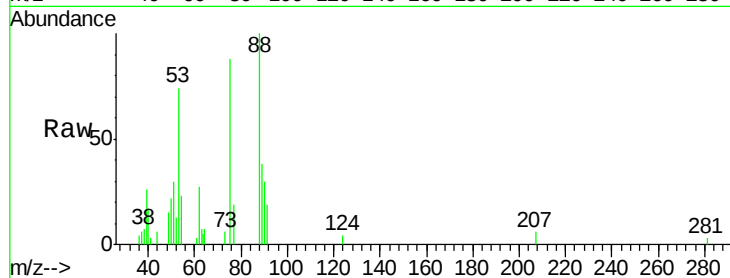
89 41.6 44.6 67.0#

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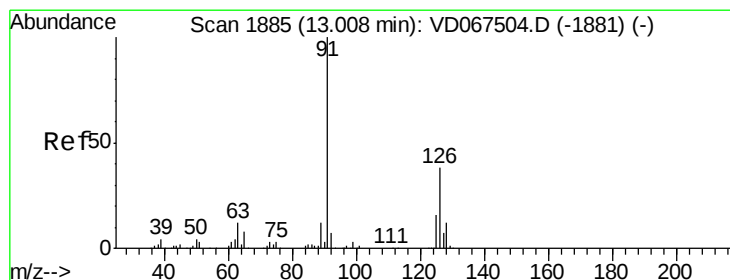
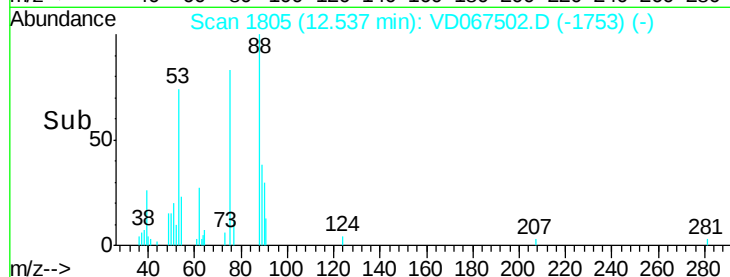
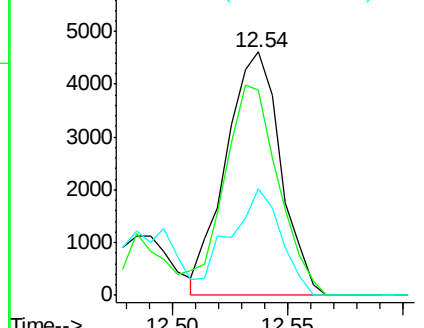
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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 10.488 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD067502.D

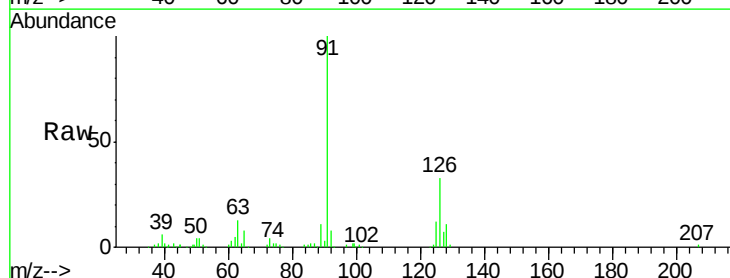
Acq: 03 Nov 2020 10:43

Tgt Ion: 91 Resp: 105408

Ion Ratio Lower Upper

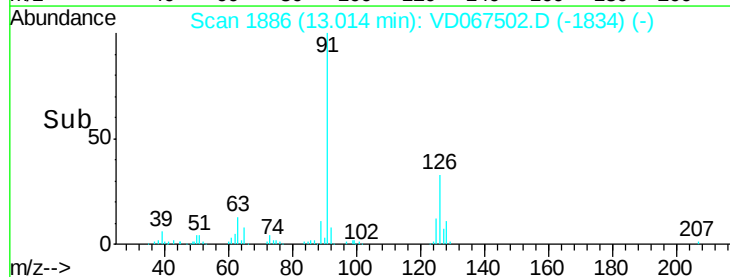
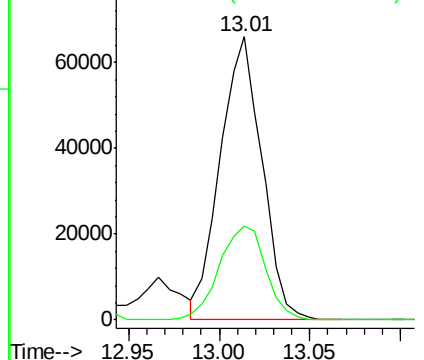
91 100

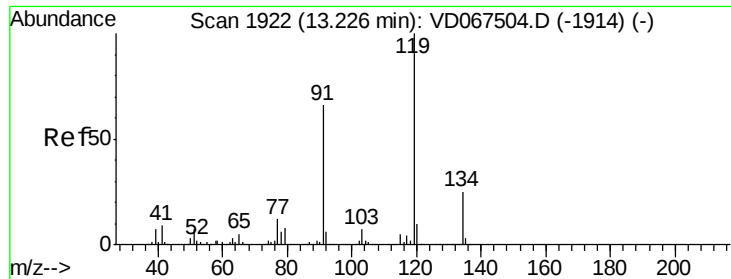
126 36.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





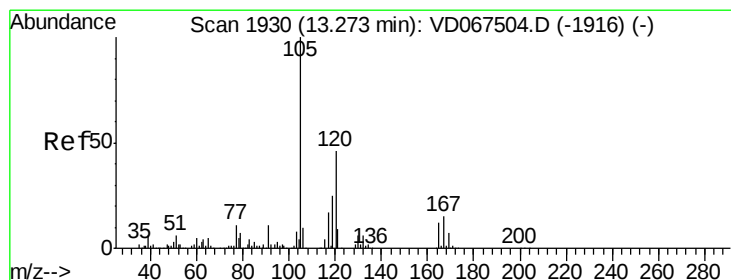
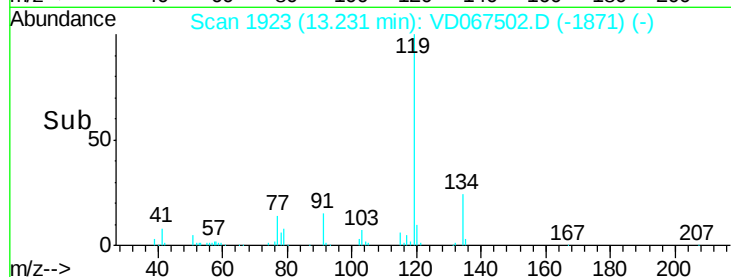
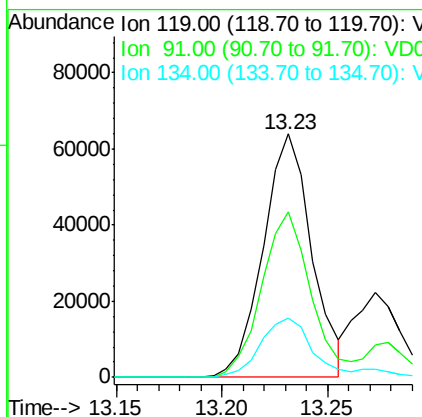
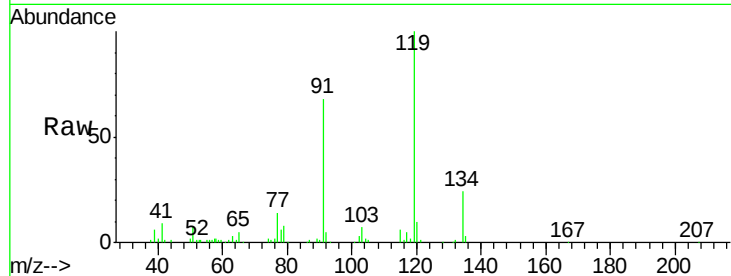
#83
tert-Butylbenzene
Concen: 9.805 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	32.7	98.1
134	25.5	13.4	40.2

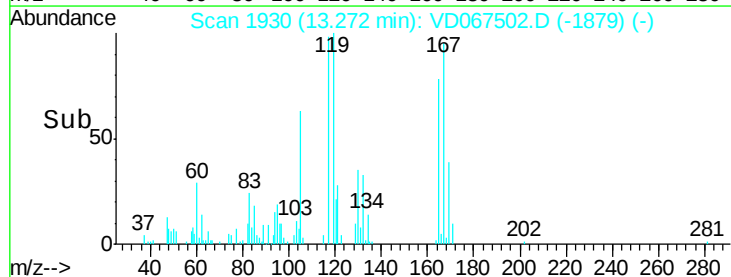
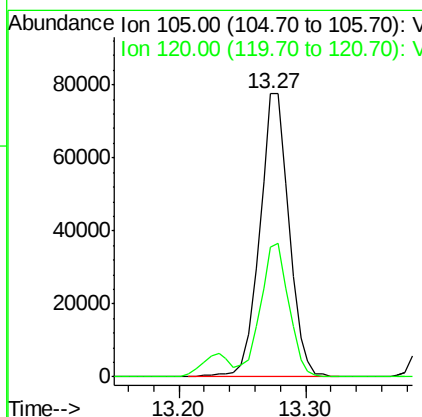
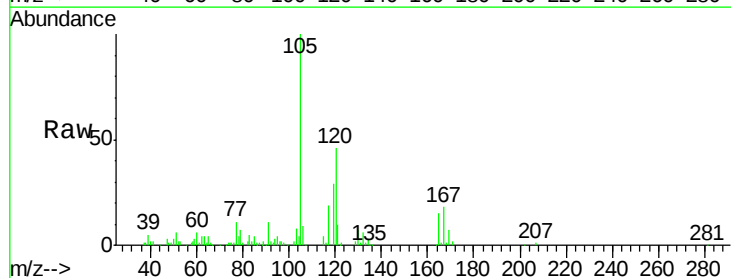
Manual Integrations
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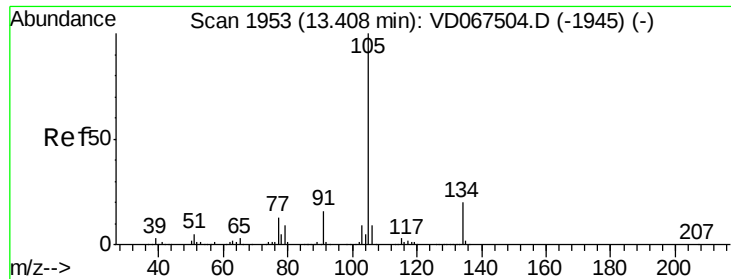
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 10.164 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.1	66.1





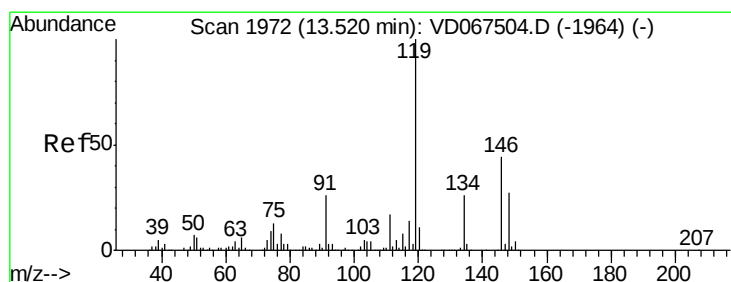
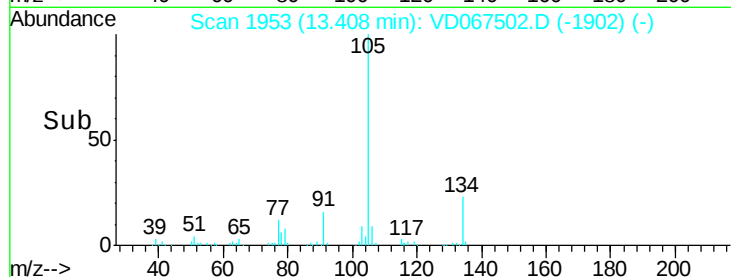
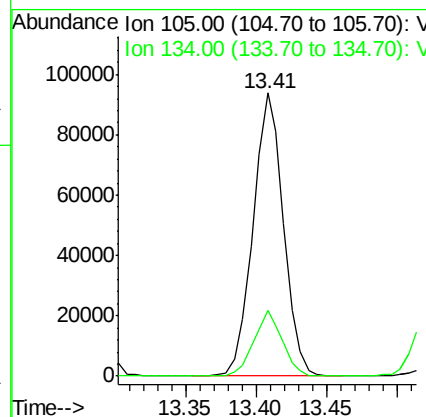
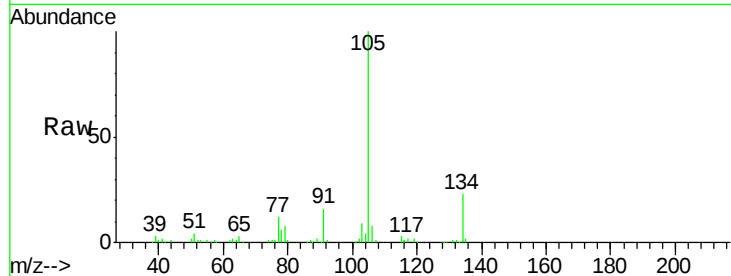
#85
 sec-Butylbenzene
 Concen: 10.052 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.4	31.4

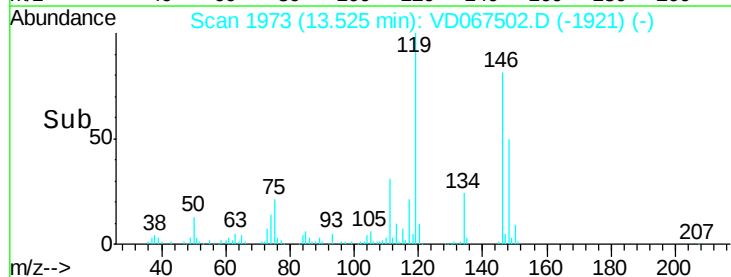
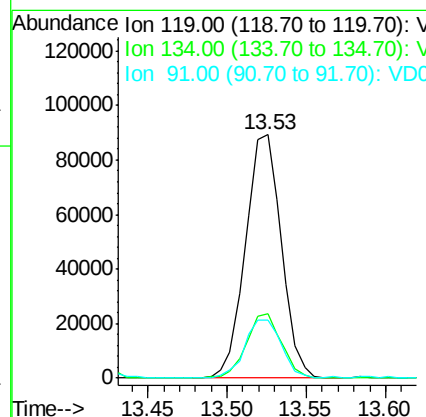
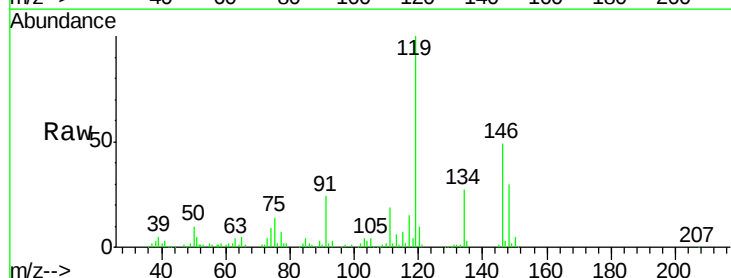
Manual Integrations
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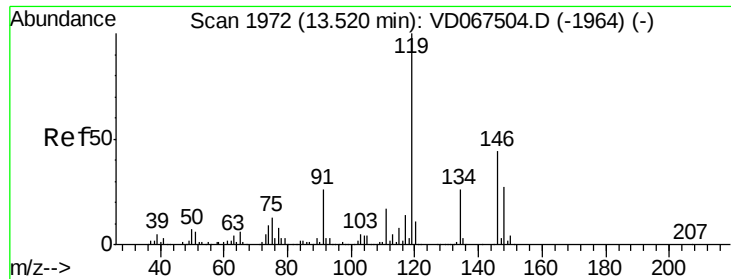
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#86
 p-Isopropyltoluene
 Concen: 10.328 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.3
91	24.8	12.2	36.4





#87

1,3-Dichlorobenzene

Concen: 10.657 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

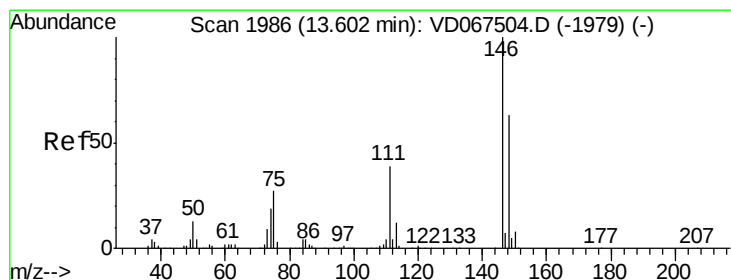
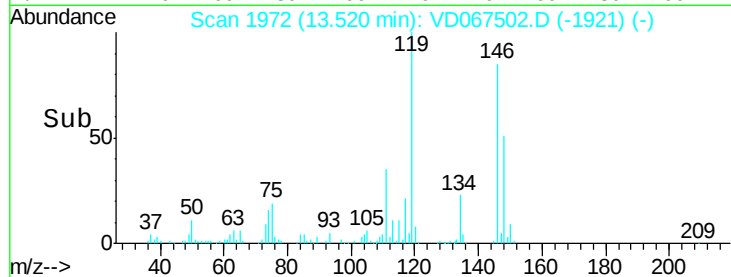
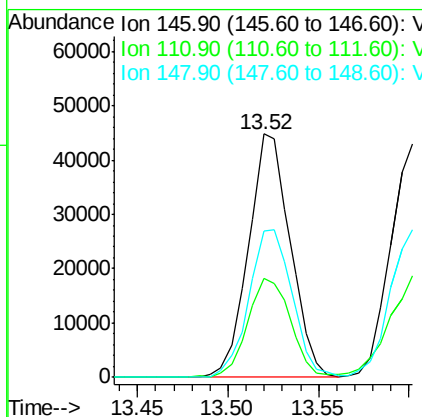
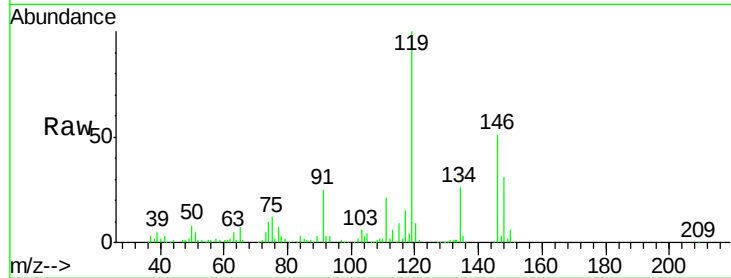
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	72024
Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	60.8
148	62.5	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 10.842 ug/l

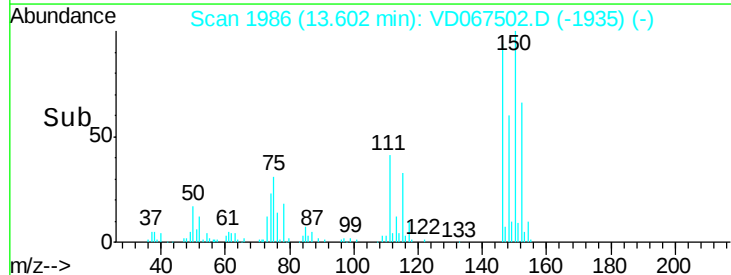
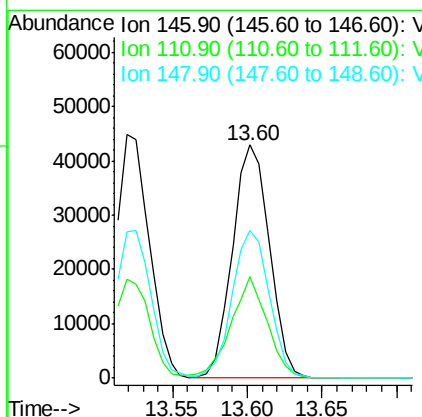
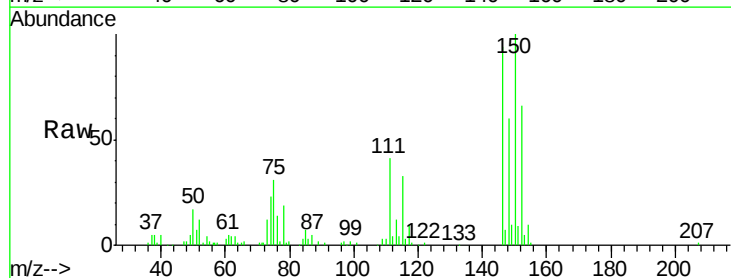
RT: 13.60 min Scan# 1986

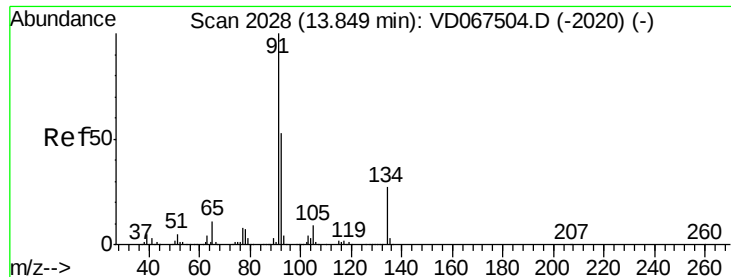
Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Tgt Ion:	146	Resp:	74191
Ion	Ratio	Lower	Upper
146	100		
111	42.7	19.6	58.7
148	63.6	31.8	95.4





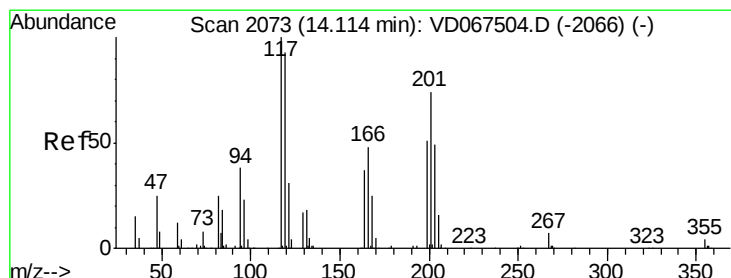
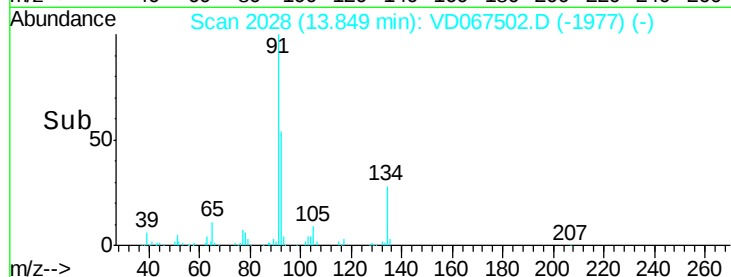
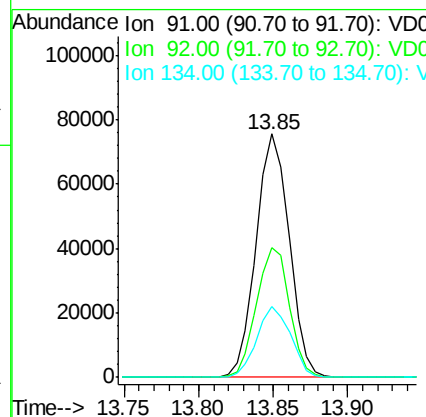
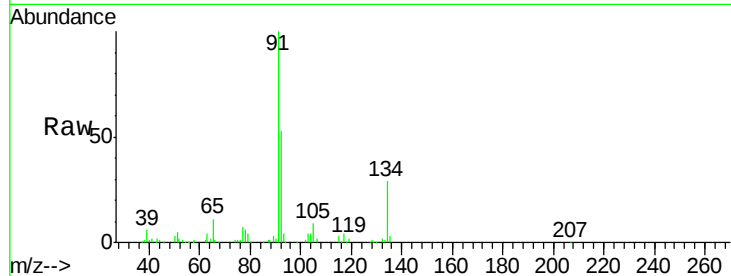
#89
n-Butylbenzene
Concen: 9.881 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.6	79.8
134	29.5	14.1	42.2

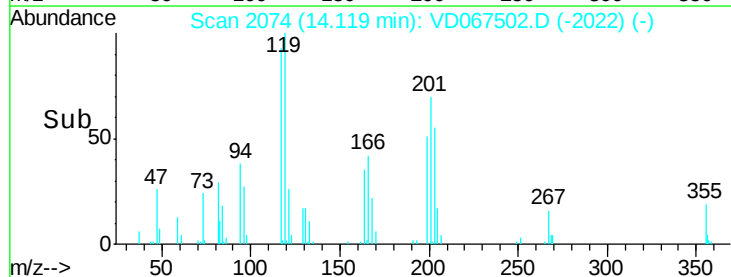
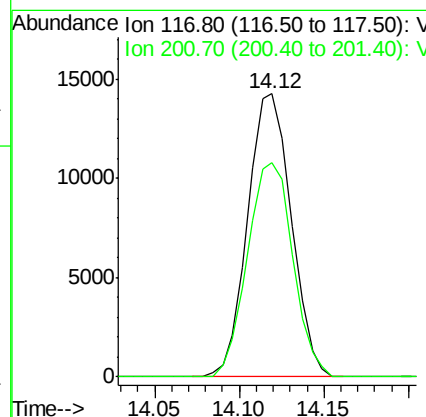
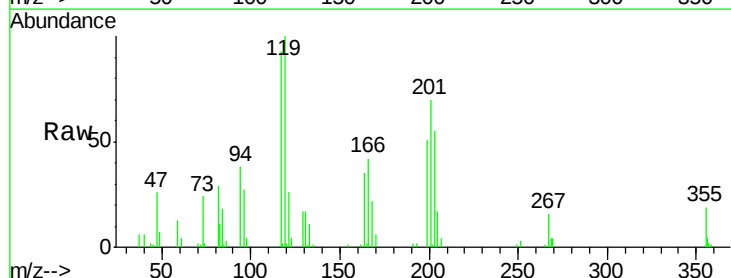
Manual Integrations
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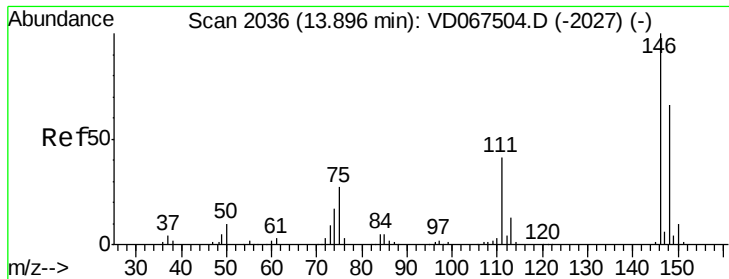
MMDadoda
11/4/2020 10:43:16 AM



#90
Hexachloroethane
Concen: 9.966 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067502.D
Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	40.7	122.1





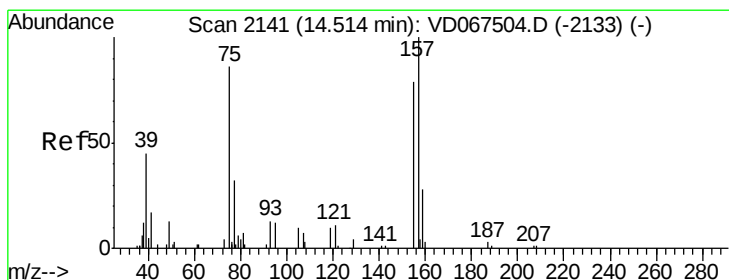
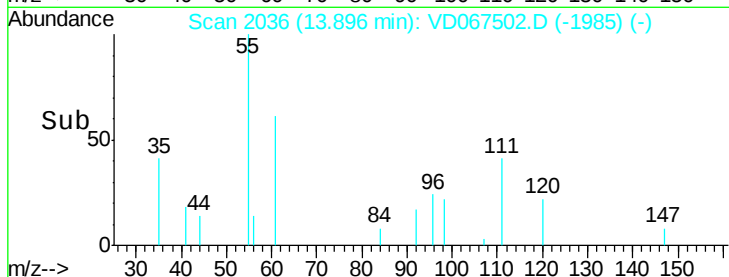
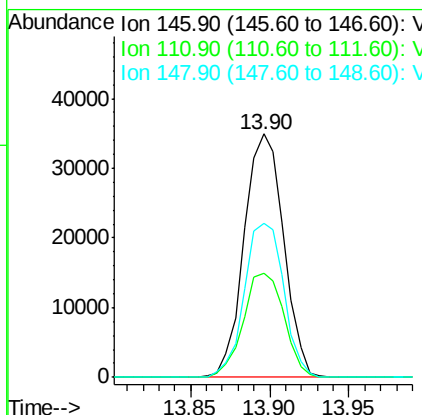
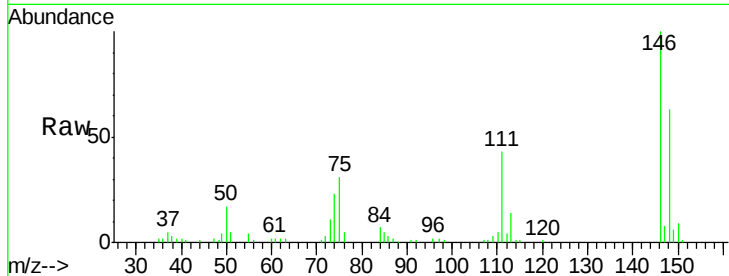
#91
 1,2-Dichlorobenzene
 Concen: 10.350 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	20.7	62.1
148	63.3	31.5	94.5

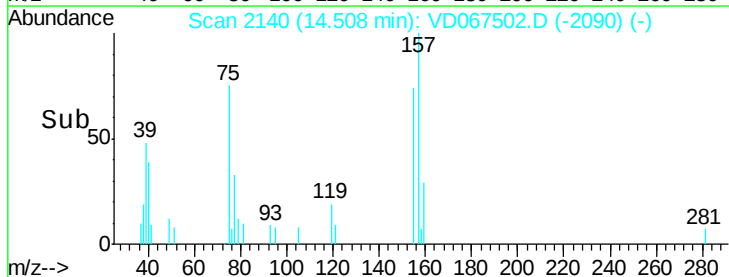
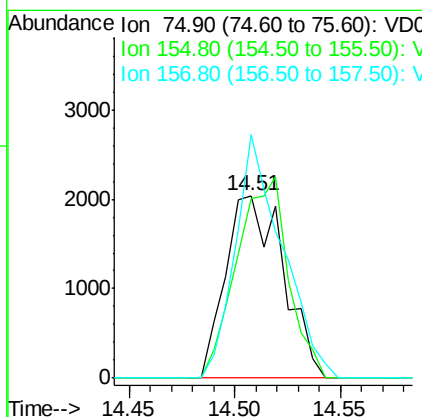
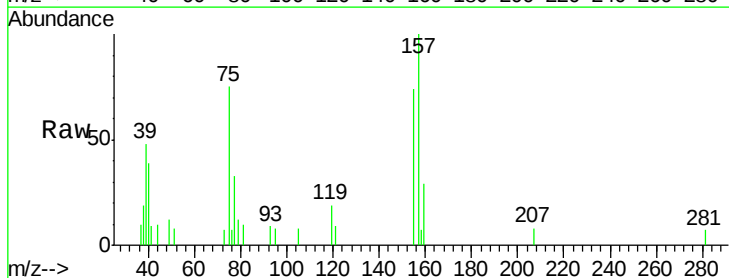
Manual Integrations
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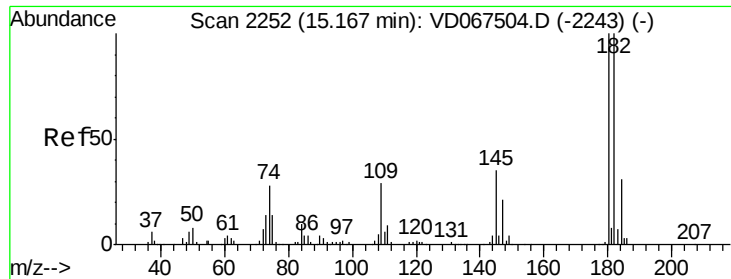
MMDadoda
 11/4/2020 10:43:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.097 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	46.6	139.8
157	108.6	58.1	174.2





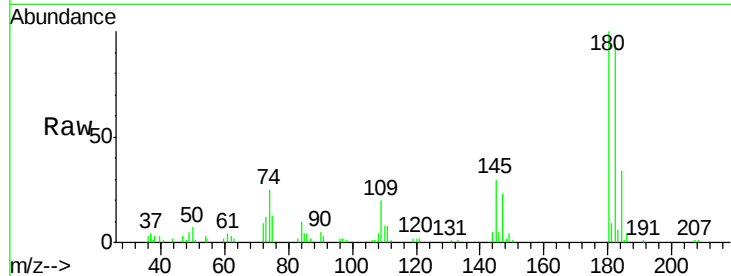
#93
 1,2,4-Trichlorobenzene
 Concen: 9.940 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

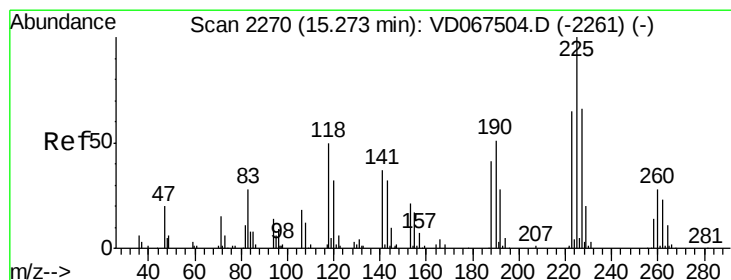
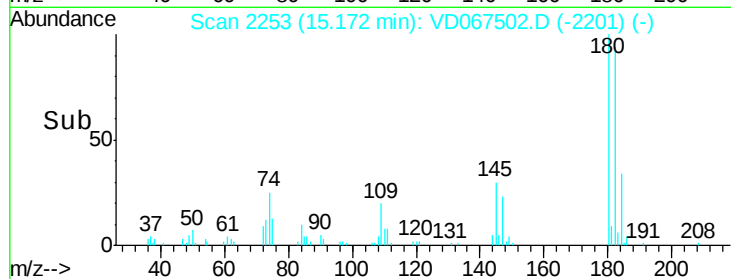
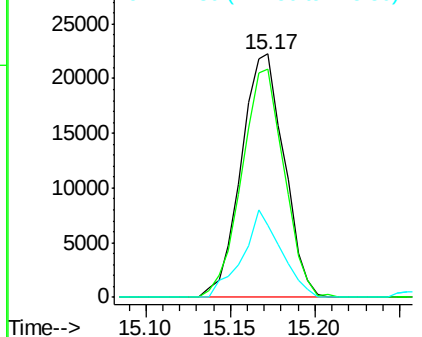
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.4	142.3
145	32.2	16.2	48.6

Manual Integrations
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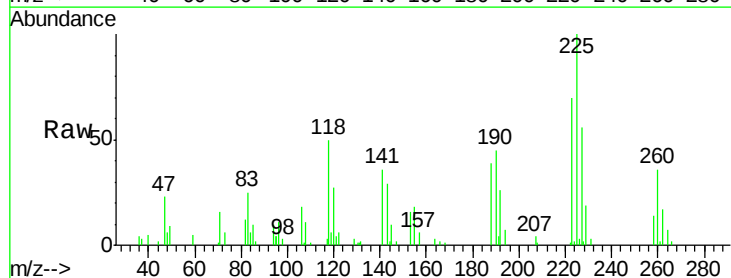


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

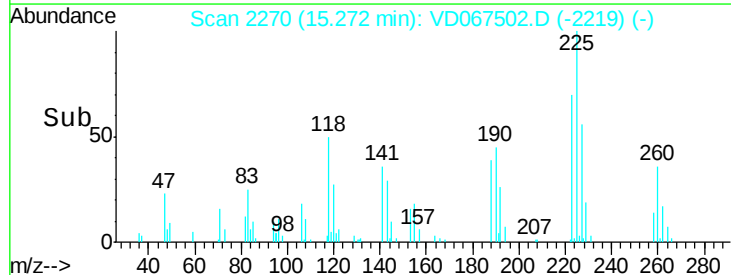
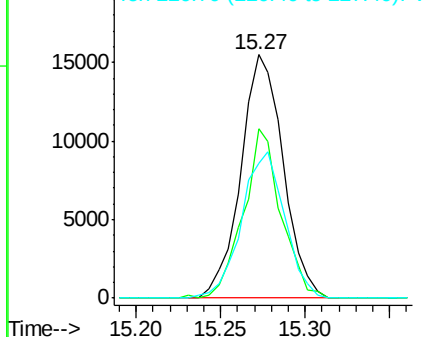


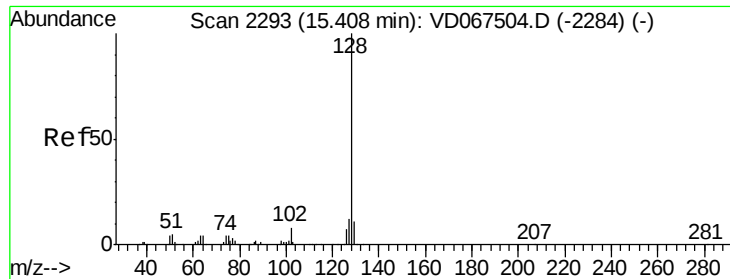
#94
 Hexachlorobutadiene
 Concen: 10.190 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067502.D
 Acq: 03 Nov 2020 10:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.9	95.5
227	61.3	32.5	97.4



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





#95

Naphthalene

Concen: 9.080 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Instrument :

MSVOA_D

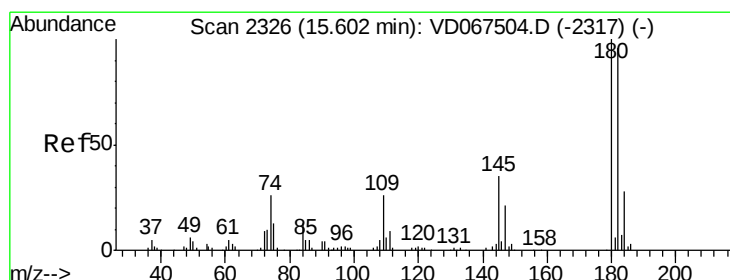
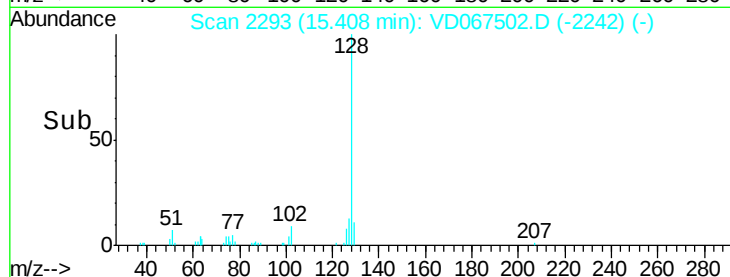
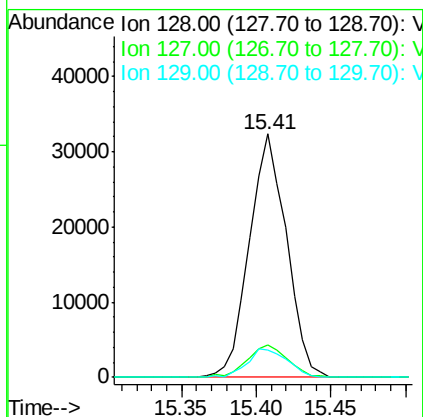
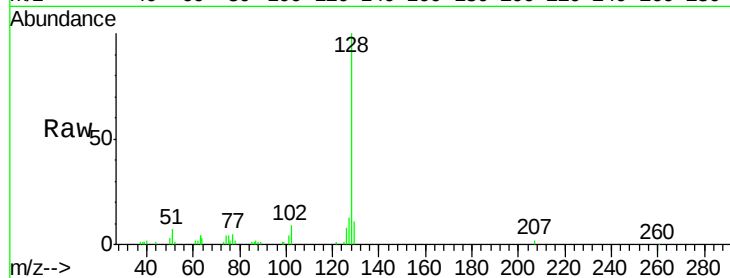
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	55630
Ion Ratio	Lower	Upper	
128	100		
127	14.4	10.2	15.4
129	12.5	8.9	13.3

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#96

1,2,3-Trichlorobenzene

Concen: 9.653 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD067502.D

Acq: 03 Nov 2020 10:43

Tgt Ion:	180	Resp:	32814
Ion Ratio	Lower	Upper	
180	100		
182	99.5	46.9	140.8
145	34.9	17.1	51.2

