

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067504.D
 Acq On : 03 Nov 2020 11:37
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:43:22 AM

Quant Time: Nov 04 00:41:27 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	340580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	491462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	446968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	223360	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	132231	44.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.80%	
35) Dibromofluoromethane	7.92	113	140884	47.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.16%	
50) Toluene-d8	10.34	98	489533	47.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.08%	
62) 4-Bromofluorobenzene	12.64	95	169844	47.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	140147	45.001	ug/l	100
3) Chloromethane	2.21	50	93559	44.114	ug/l	100
4) Vinyl Chloride	2.35	62	111939	47.340	ug/l	100
5) Bromomethane	2.77	94	89503	46.701	ug/l	100
6) Chloroethane	2.93	64	71601	49.116	ug/l	100
7) Trichlorofluoromethane	3.28	101	289984	47.364	ug/l	100
8) Diethyl Ether	3.71	74	58444	47.374	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	148123	47.929	ug/l	100
10) Methyl Iodide	4.30	142	176971	53.429	ug/l	100
11) Tert butyl alcohol	5.23	59	31736	210.468	ug/l	100
12) 1,1-Dichloroethene	4.07	96	134970	47.480	ug/l	100
13) Acrolein	3.93	56	32930	304.343	ug/l	100
14) Allyl chloride	4.71	41	150496	49.467	ug/l	100
15) Acrylonitrile	5.43	53	112506	246.707	ug/l	100
16) Acetone	4.16	43	122862	275.697	ug/l	100
17) Carbon Disulfide	4.41	76	418589	48.055	ug/l	100
18) Methyl Acetate	4.72	43	40891	44.403	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	281400	50.186	ug/l	100
20) Methylene Chloride	4.97	84	144389	45.868	ug/l	100
21) trans-1,2-Dichloroethene	5.48	96	159675	48.227	ug/l	100
22) Diisopropyl ether	6.36	45	295194	49.791	ug/l	100
23) Vinyl Acetate	6.31	43	811752	261.072	ug/l	100
24) 1,1-Dichloroethane	6.27	63	231139	47.655	ug/l	100
25) 2-Butanone	7.21	43	117281	246.296	ug/l	100
26) 2,2-Dichloropropane	7.21	77	248724	48.589	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	170587	49.638	ug/l	100
28) Bromochloromethane	7.55	49	86502	50.139	ug/l	100
29) Tetrahydrofuran	7.57	42	72214	253.175	ug/l	100
30) Chloroform	7.71	83	281189	48.596	ug/l	100
31) Cyclohexane	8.00	56	202907	46.978	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	284183	47.600	ug/l	100
36) 1,1-Dichloropropene	8.12	75	208555	49.575	ug/l	100
37) Ethyl Acetate	7.30	43	57399	52.556	ug/l	100
38) Carbon Tetrachloride	8.10	117	270307	49.454	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	262628	53.042	ug/l	100
40) Benzene	8.36	78	570583	50.072	ug/l	100
41) Methacrylonitrile	7.53	41	29853	54.341	ug/l	100
42) 1,2-Dichloroethane	8.43	62	173983	49.416	ug/l	100
43) Isopropyl Acetate	8.46	43	107925	49.966	ug/l	100
44) Trichloroethene	9.12	130	182263	48.644	ug/l	100
45) 1,2-Dichloropropane	9.39	63	121043	49.130	ug/l	100
46) Dibromomethane	9.48	93	78653	50.209	ug/l	100
47) Bromodichloromethane	9.67	83	214277	50.326	ug/l	100
48) Methyl methacrylate	9.46	41	58568	52.516	ug/l	100
49) 1,4-Dioxane	9.47	88	16158	1016.045	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	266443	257.927	ug/l	100
52) Toluene	10.41	92	386804	50.678	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	184531	50.603	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	216215	49.904	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	104566	50.449	ug/l	100
56) Ethyl methacrylate	10.67	69	110864	51.796	ug/l	100
57) 1,3-Dichloropropane	10.95	76	168705	50.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	265177	265.673	ug/l	100
59) 2-Hexanone	10.99	43	194702	269.564	ug/l	100
60) Dibromochloromethane	11.15	129	155211	50.622	ug/l	100
61) 1,2-Dibromoethane	11.25	107	102715	49.377	ug/l	100
64) Tetrachloroethene	10.88	164	162810	49.184	ug/l	100
65) Chlorobenzene	11.68	112	425647	49.437	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	166992	49.211	ug/l	100
67) Ethyl Benzene	11.75	91	751532	51.010	ug/l	100
68) m/p-Xylenes	11.86	106	583068	101.725	ug/l	100
69) o-Xylene	12.18	106	261549	51.109	ug/l	100
70) Styrene	12.20	104	454791	51.001	ug/l	100
71) Bromoform	12.37	173	85862	49.612	ug/l #	100
73) Isopropylbenzene	12.48	105	758614	52.552	ug/l	100
74) N-amyl acetate	12.30	43	98103	51.648	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	96980	49.268	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	62876m	44.639	ug/l	
77) Bromobenzene	12.77	156	178629	50.387	ug/l	100
78) n-propylbenzene	12.83	91	862990	52.266	ug/l	100
79) 2-Chlorotoluene	12.91	91	483571	51.557	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	651168	52.806	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31613	47.633	ug/l	100
82) 4-Chlorotoluene	13.01	91	513581	51.055	ug/l	100
83) tert-Butylbenzene	13.23	119	551611	52.781	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	647452	52.746	ug/l	100
85) sec-Butylbenzene	13.41	105	751233	53.248	ug/l	100
86) p-Isopropyltoluene	13.52	119	712531	52.300	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	339175	50.139	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	337401	49.258	ug/l	100
89) n-Butylbenzene	13.85	91	633770	53.856	ug/l	100
90) Hexachloroethane	14.11	117	130503	50.866	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	293528	50.137	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17008	48.801	ug/l	100

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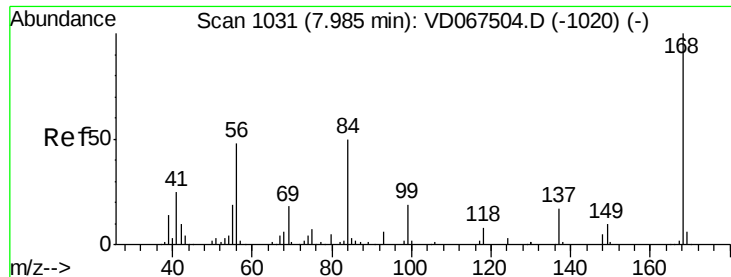
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	205274	51.659	ug/l	100
94) Hexachlorobutadiene	15.27	225	132731	49.910	ug/l	100
95) Naphthalene	15.41	128	333010	54.305	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	177830	52.261	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 340580

Ion Ratio Lower Upper

168 100

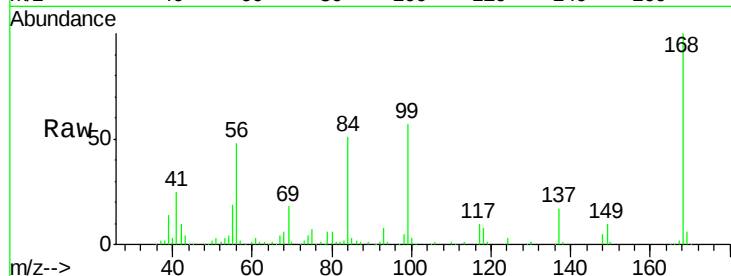
99 56.3 45.0 67.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

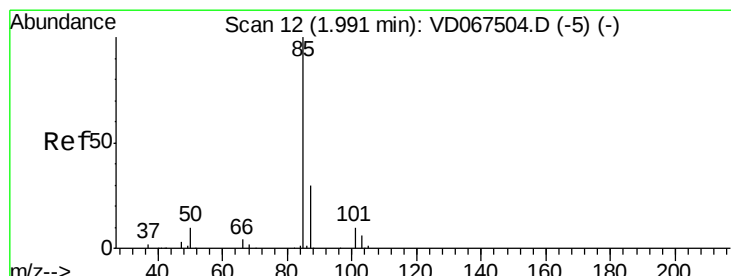
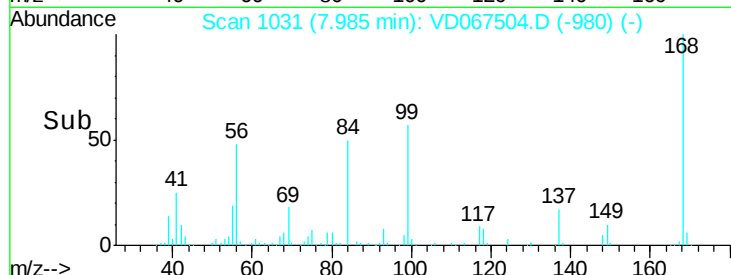
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.001 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067504.D

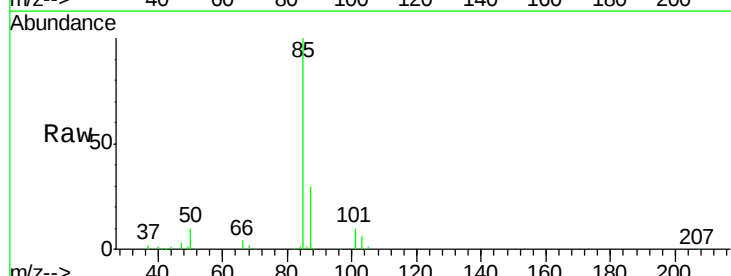
Acq: 03 Nov 2020 11:37

Tgt Ion: 85 Resp: 140147

Ion Ratio Lower Upper

85 100

87 30.5 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

120000

100000

80000

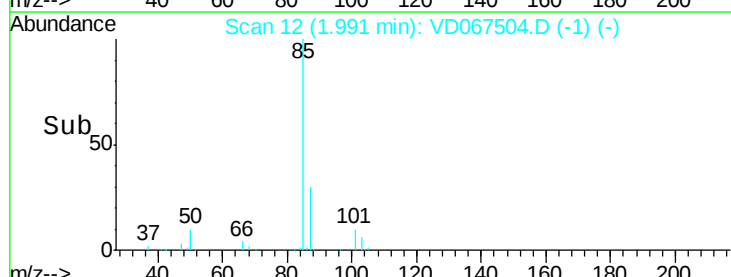
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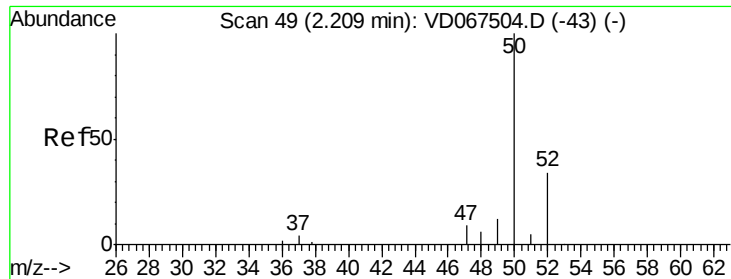
40000

20000

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Time-->





#3

Chloromethane

Concen: 44.114 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 93559

Ion Ratio Lower Upper

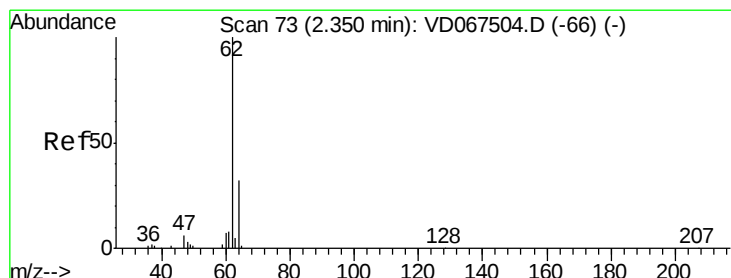
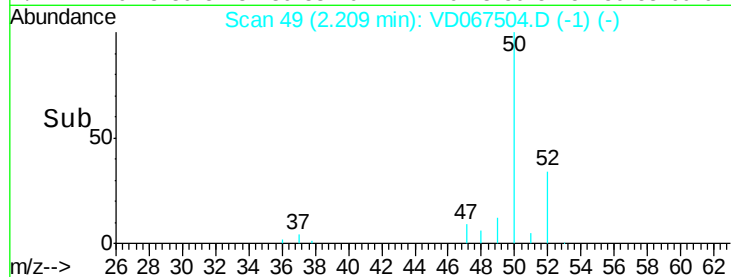
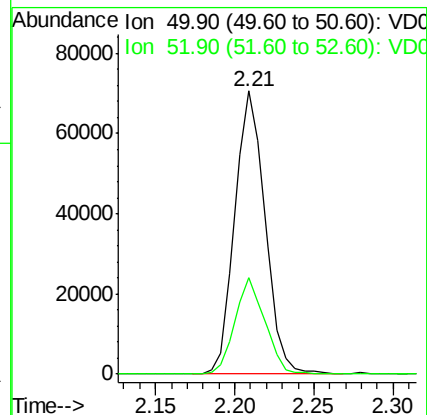
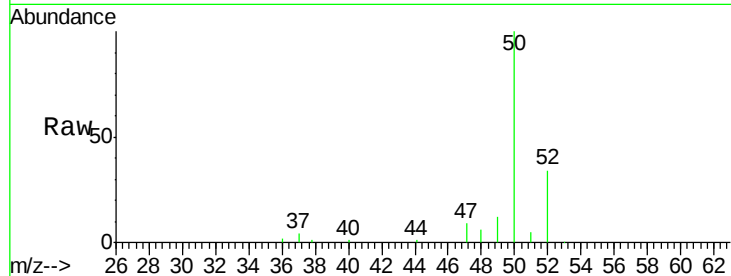
50 100

52 34.1 27.3 40.9

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11/4/2020 10:43:22 AM



#4

Vinyl Chloride

Concen: 47.340 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067504.D

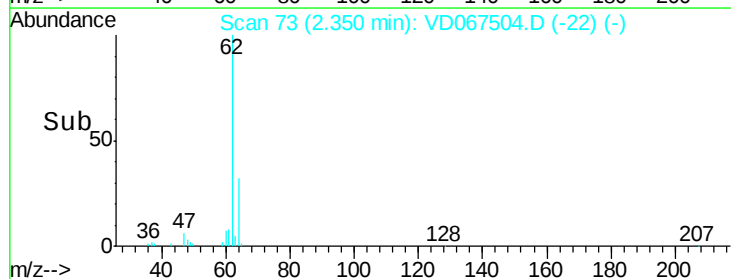
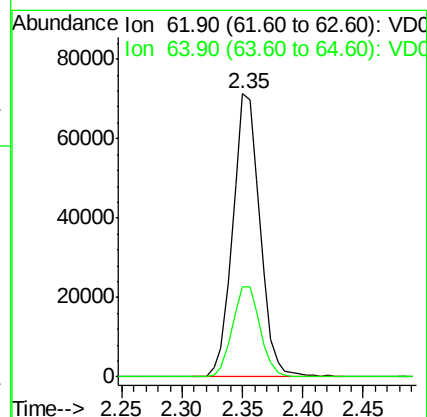
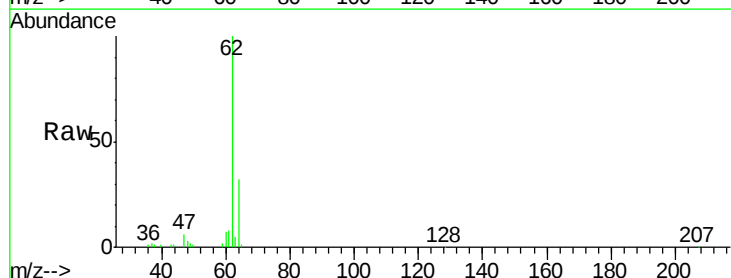
Acq: 03 Nov 2020 11:37

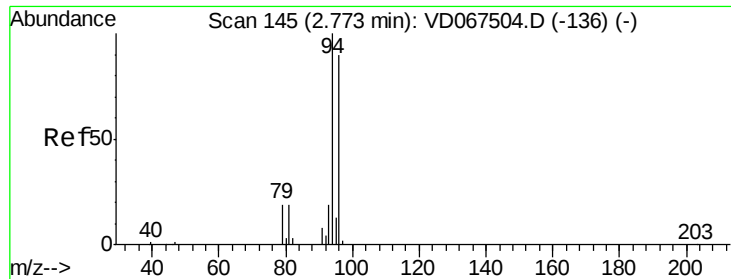
Tgt Ion: 62 Resp: 111939

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 46.701 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

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Tot Ion: 94 Resp: 89503

Ion Ratio Lower Upper

94 100

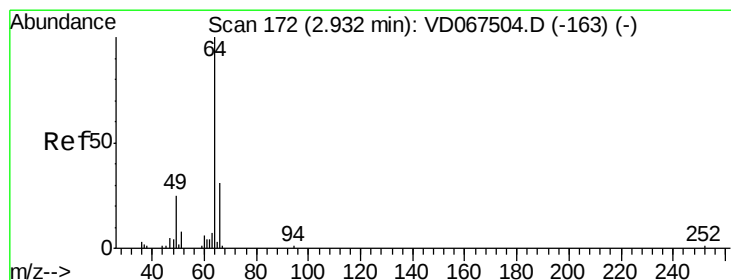
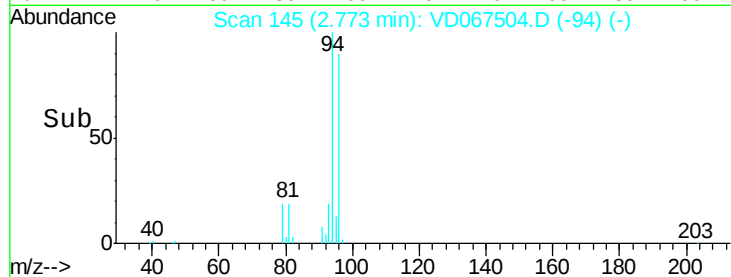
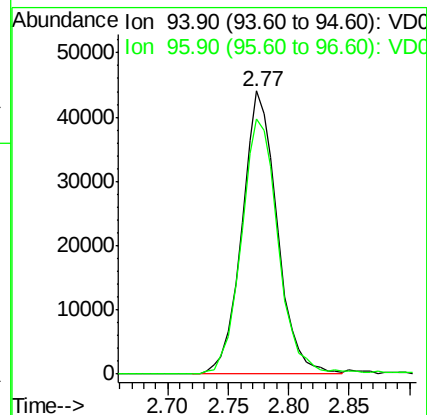
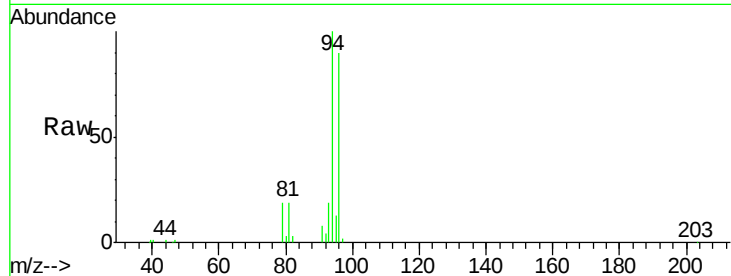
96 90.2 72.2 108.2

Manual Integrations

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#6

Chloroethane

Concen: 49.116 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.00 min

Lab File: VD067504.D

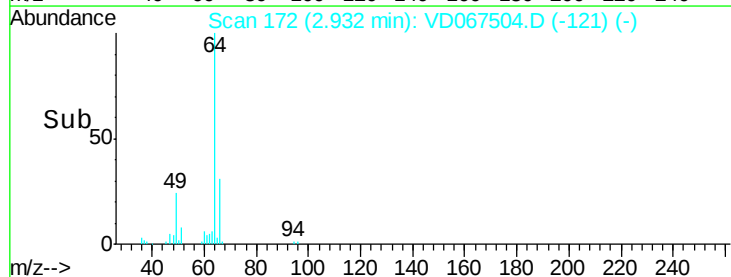
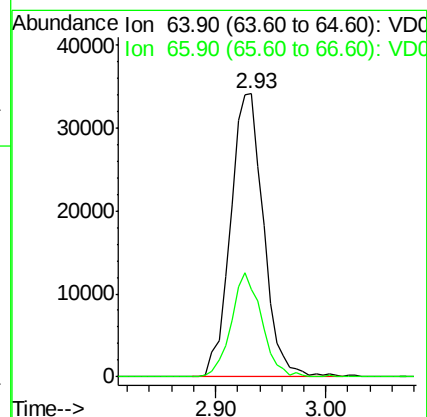
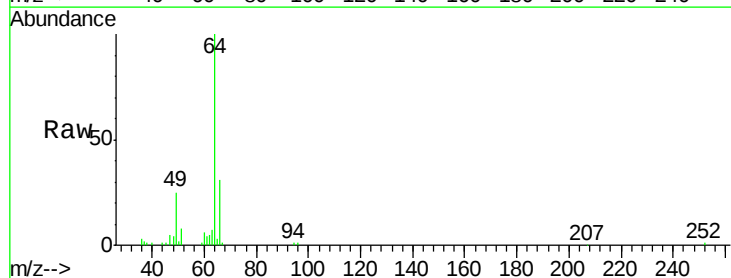
Acq: 03 Nov 2020 11:37

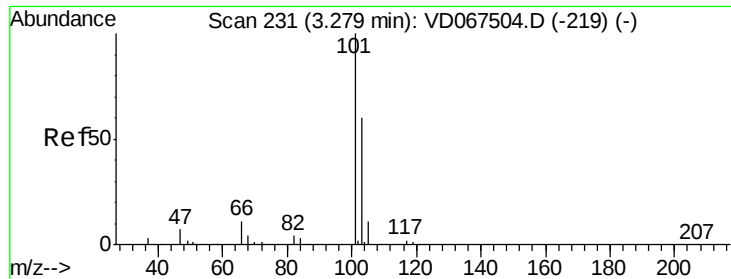
Tgt Ion: 64 Resp: 71601

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8





#7

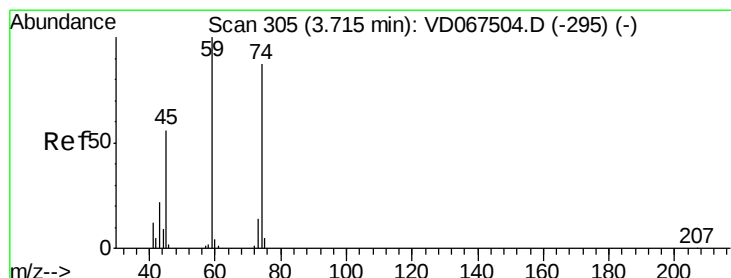
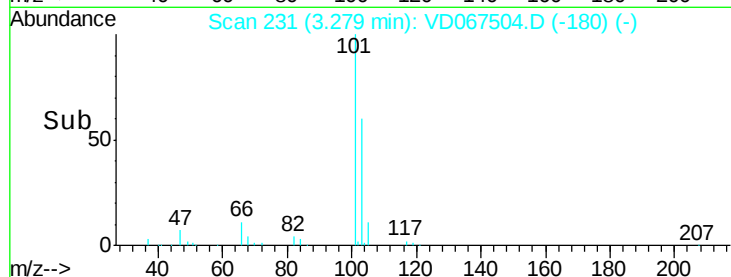
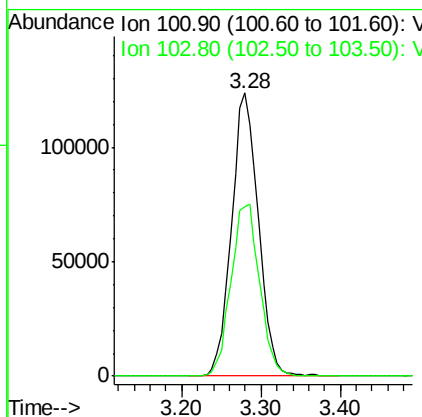
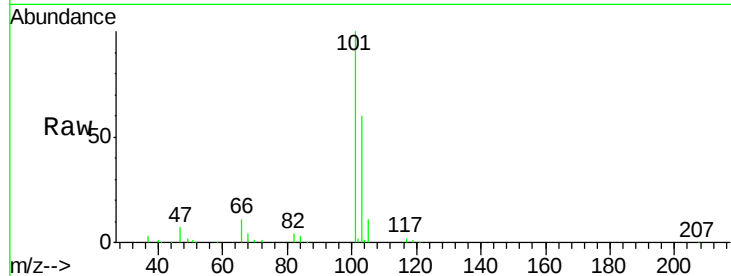
Trichlorofluoromethane
Concen: 47.364 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.00 min
Lab File: VD067504.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.1	48.1	72.1

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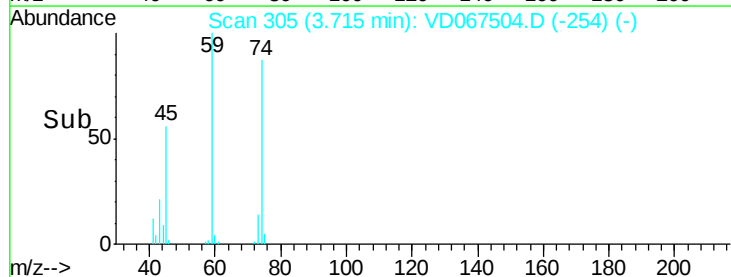
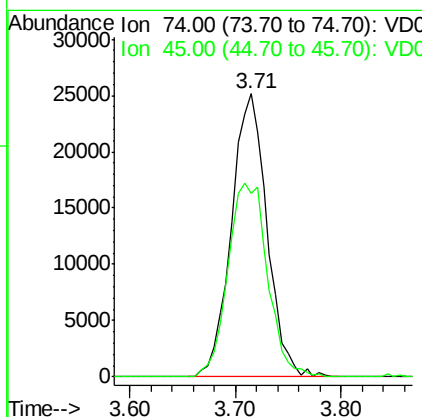
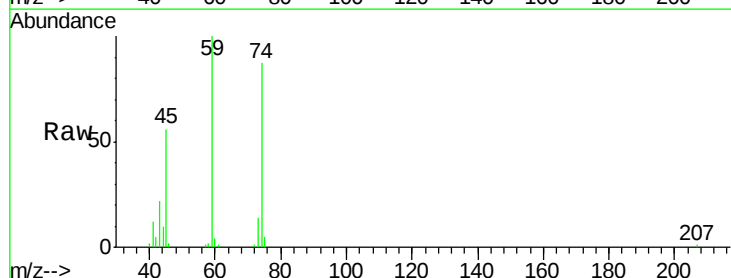
MMDadoda
11/4/2020 10:43:22 AM

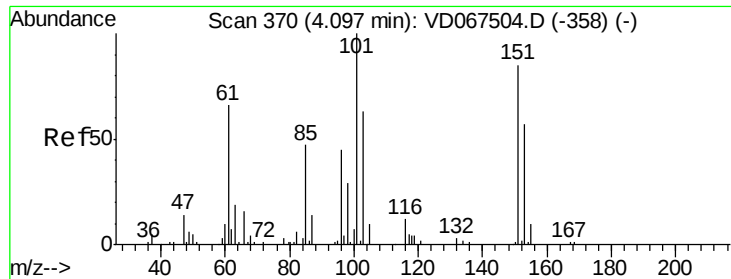


#8

Diethyl Ether
Concen: 47.374 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	76.4	38.2	114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.929 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

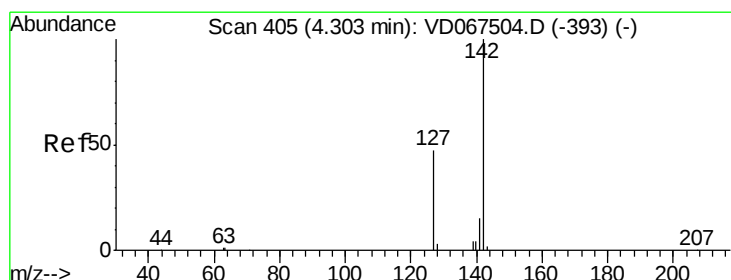
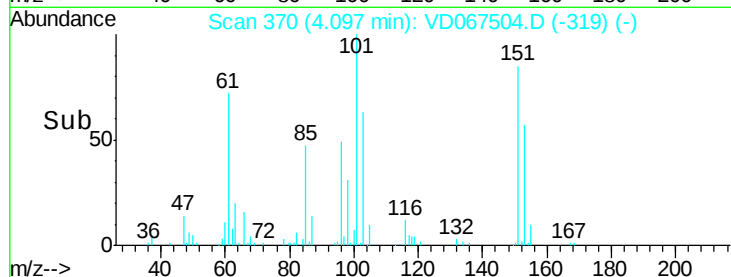
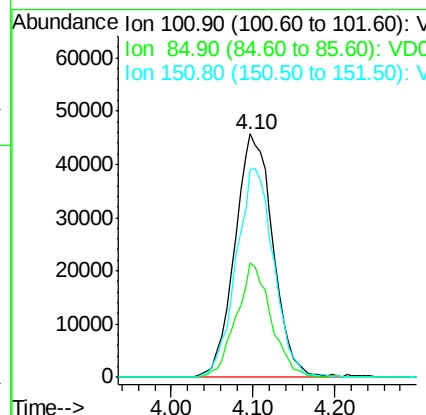
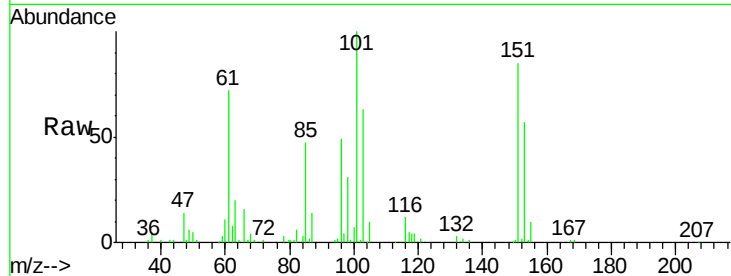
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	148123
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.4	51.6
151	85.1	68.1	102.1

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11/4/2020 10:43:22 AM



#10

Methyl Iodide

Concen: 53.429 ug/l

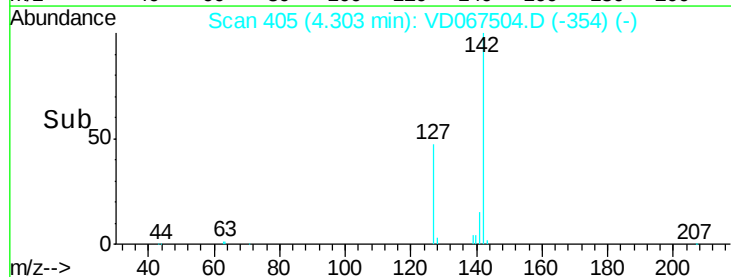
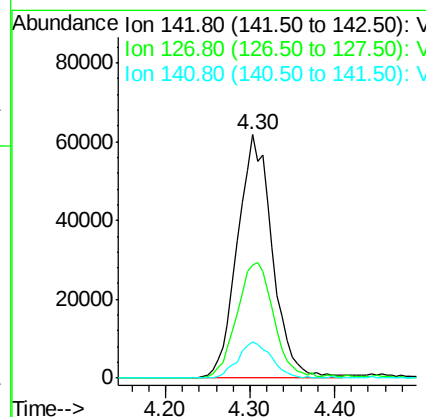
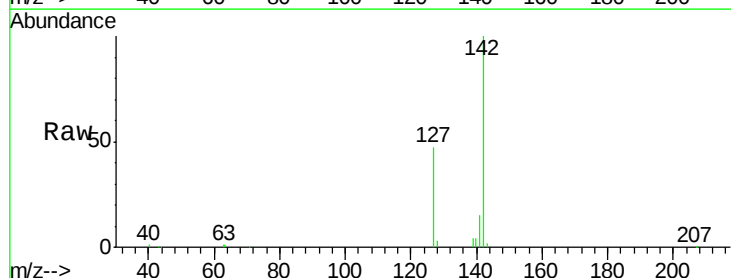
RT: 4.30 min Scan# 405

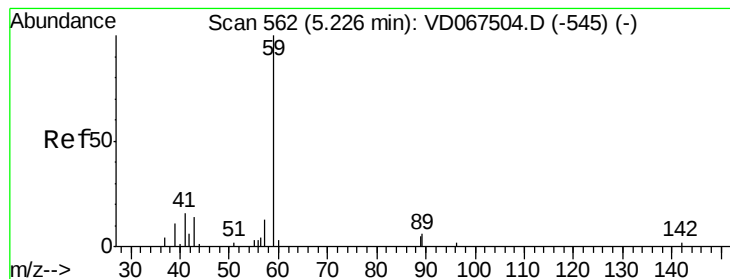
Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Tgt Ion:	142	Resp:	176971
Ion Ratio	Lower	Upper	
142	100		
127	50.0	40.0	60.0
141	14.6	11.7	17.5





#11

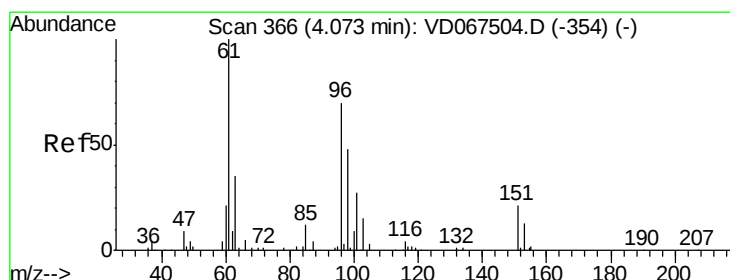
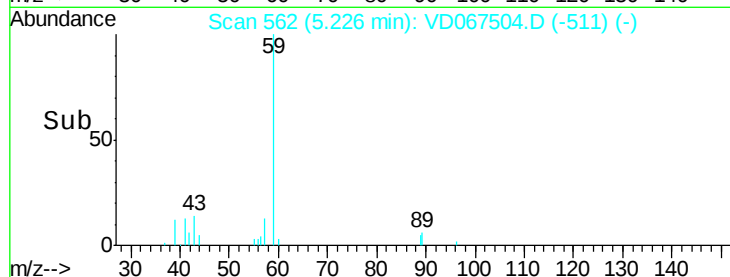
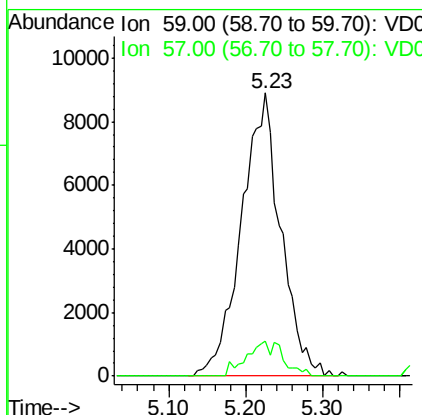
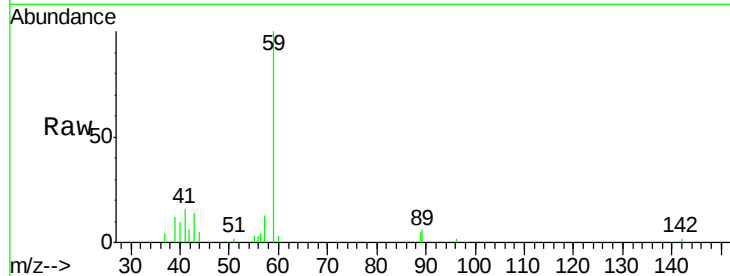
Tert butyl alcohol
Concen: 210.468 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.4	5.9	8.9

Manual Integrations
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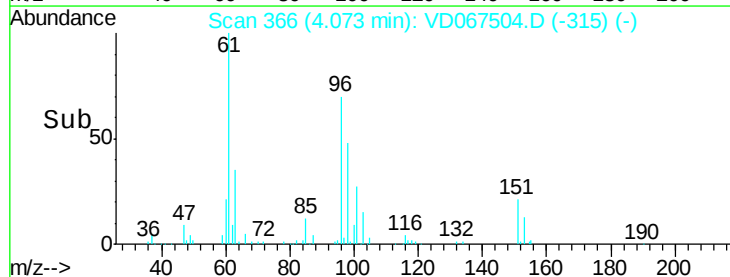
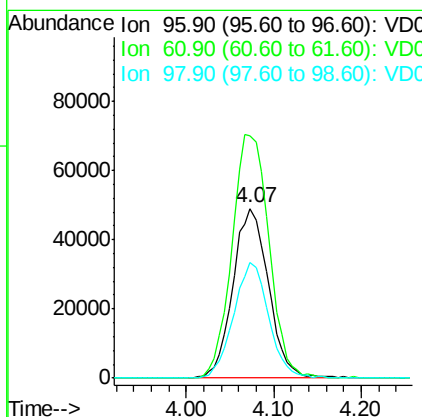
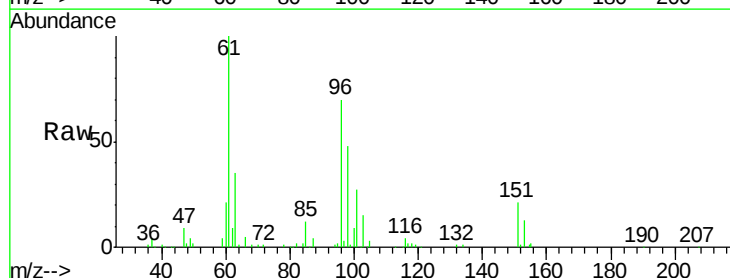
MMDadoda
11/4/2020 10:43:22 AM

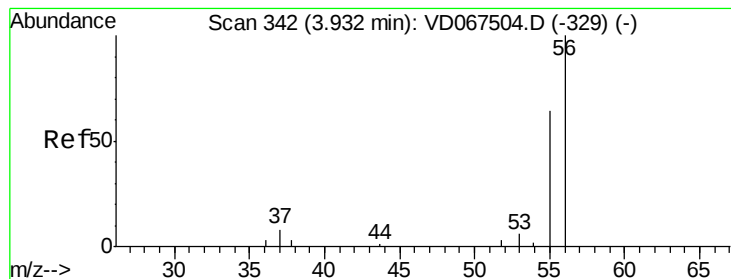


#12

1,1-Dichloroethene
Concen: 47.480 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.1	114.5	171.7
98	68.1	54.5	81.7





#13

Acrolein

Concen: 304.343 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 32930

Ion Ratio Lower Upper

56 100

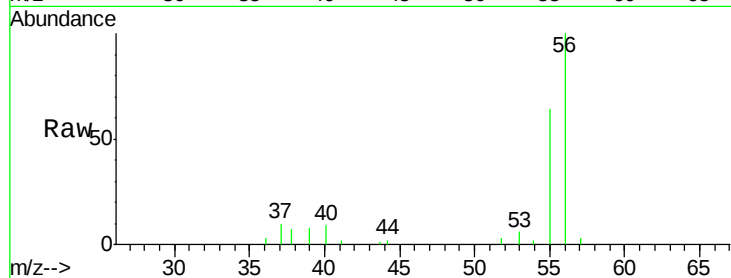
55 69.8 55.8 83.8

Manual Integrations

APPROVED

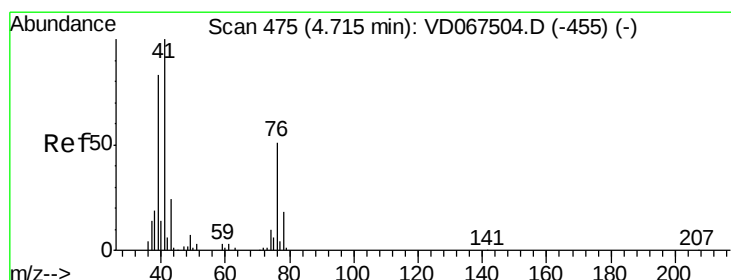
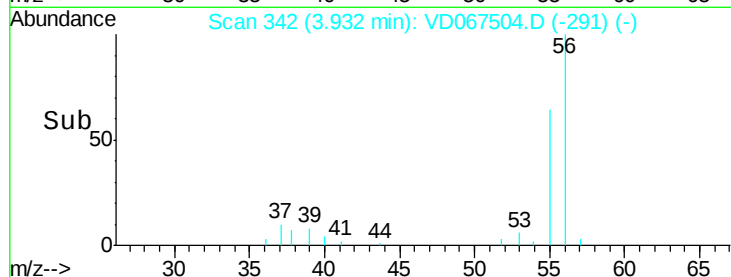
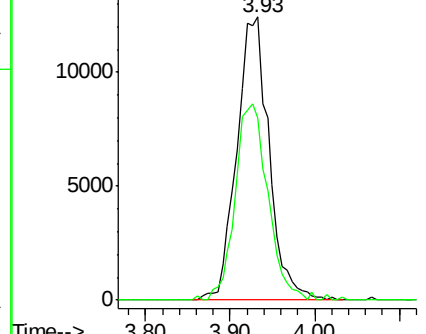
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.467 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

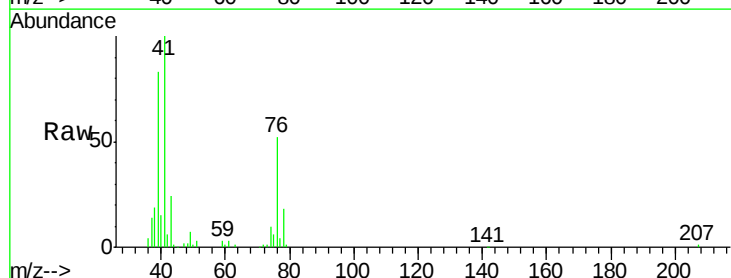
Tgt Ion: 41 Resp: 150496

Ion Ratio Lower Upper

41 100

39 84.2 67.4 101.0

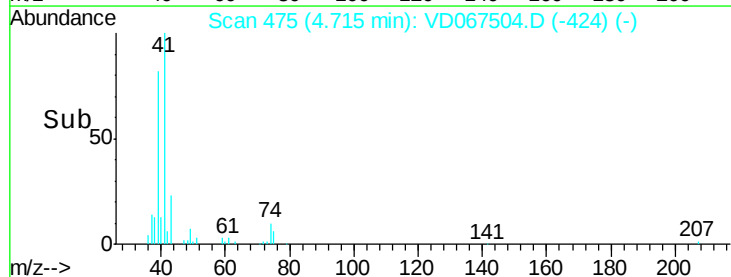
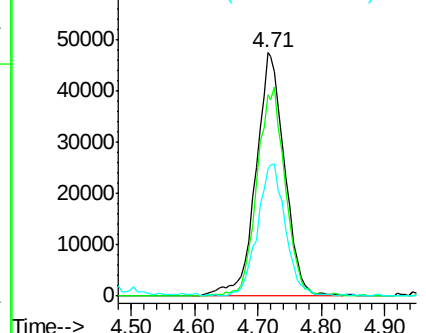
76 52.7 42.2 63.2

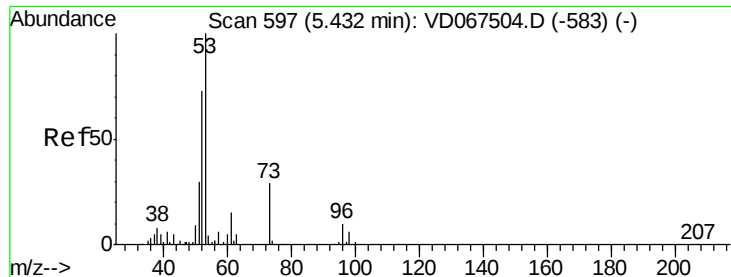


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 246.707 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

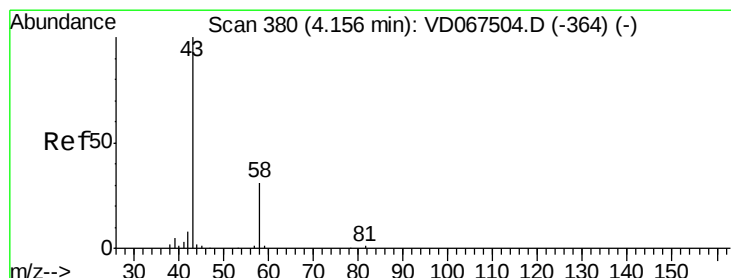
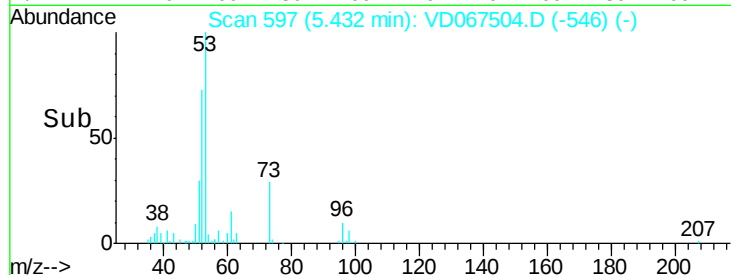
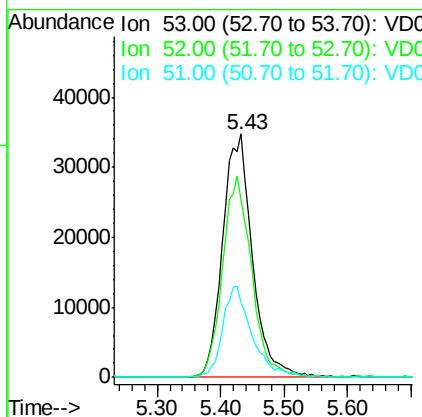
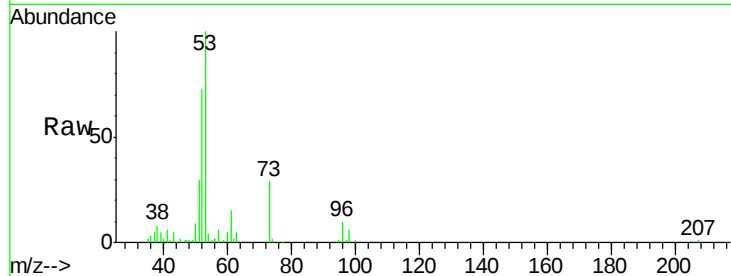
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	112506
Ion Ratio	Lower	Upper	
53	100		
52	81.0	64.8	97.2
51	36.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 275.697 ug/l

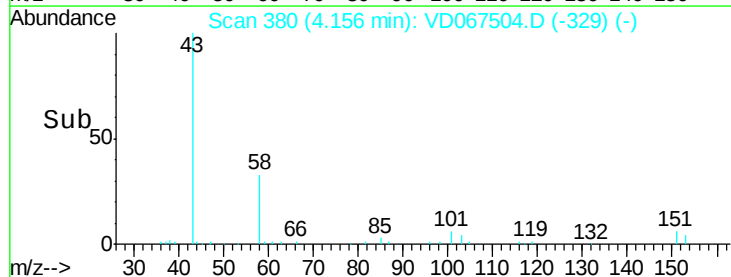
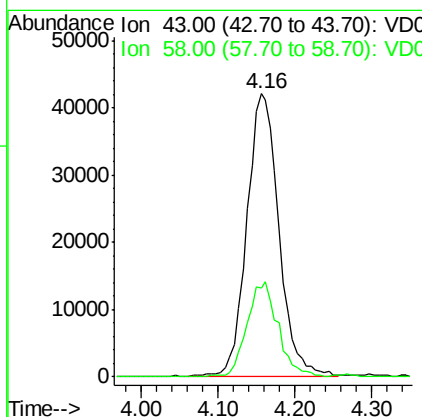
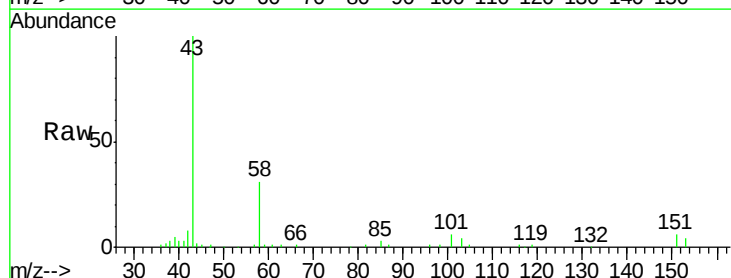
RT: 4.16 min Scan# 380

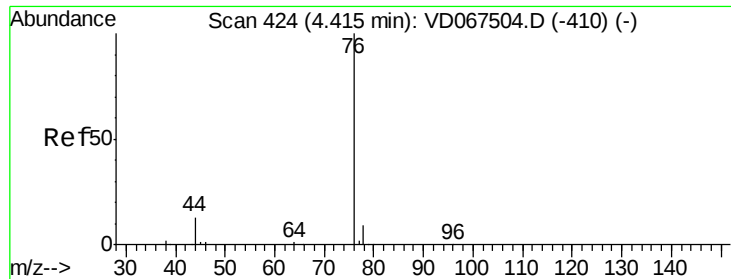
Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Tgt Ion:	43	Resp:	122862
Ion Ratio	Lower	Upper	
43	100		
58	31.5	25.2	37.8





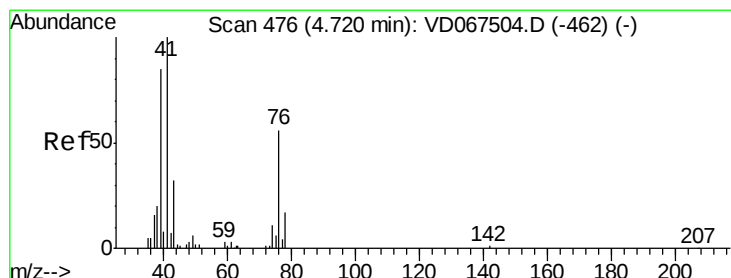
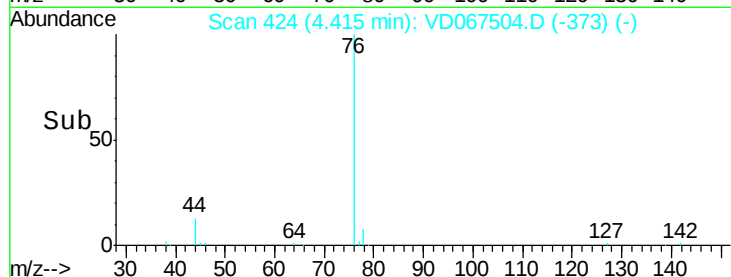
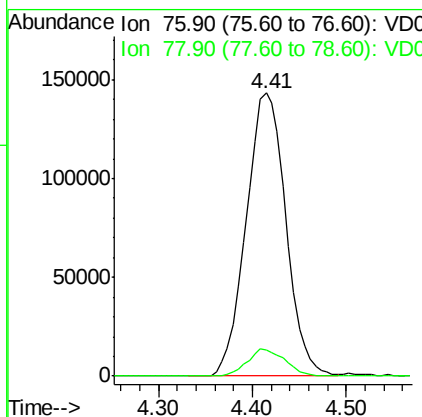
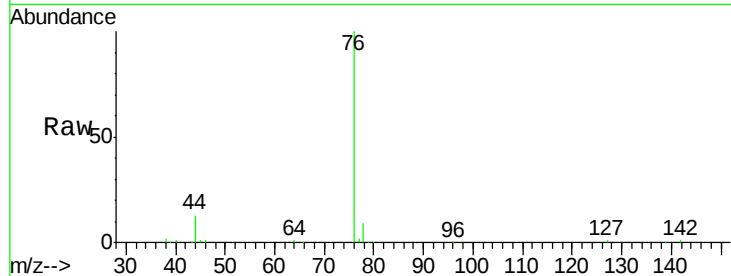
#17
Carbon Disulfide
Concen: 48.055 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

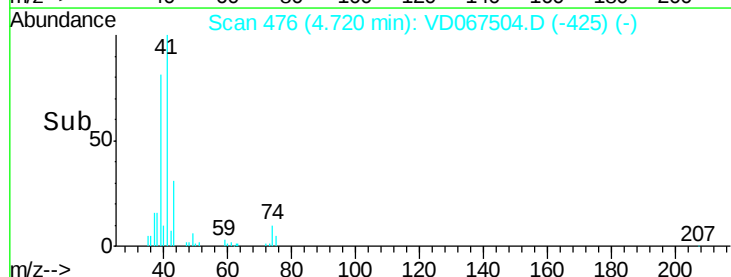
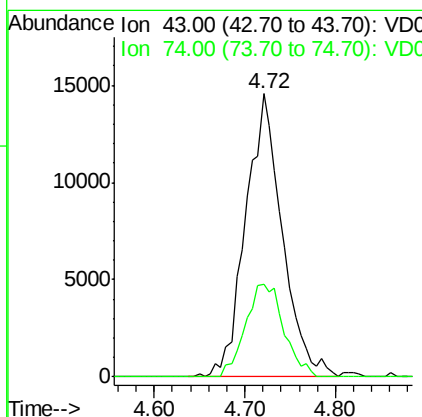
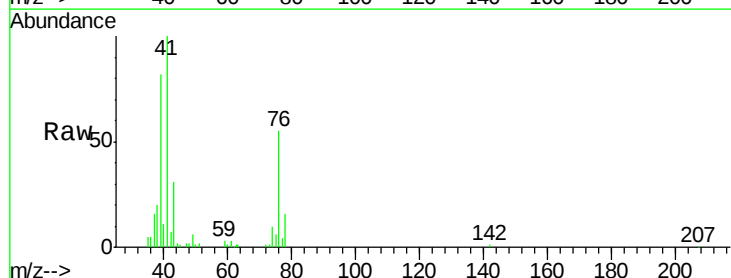
Manual Integrations
APPROVED

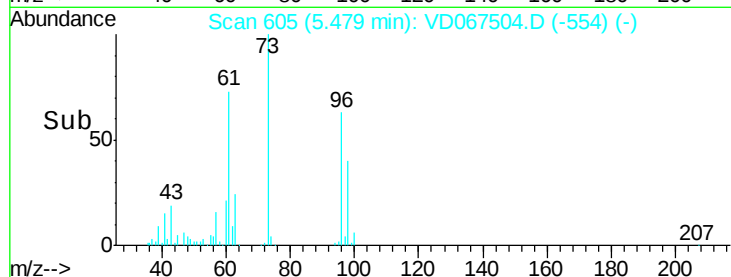
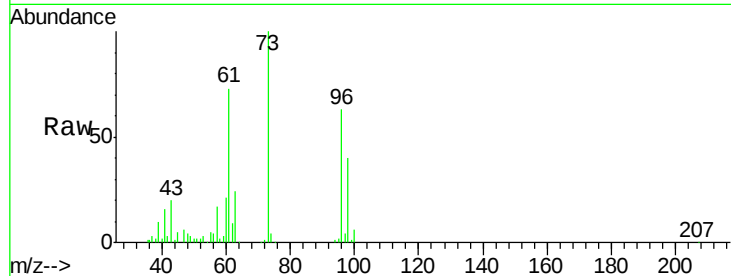
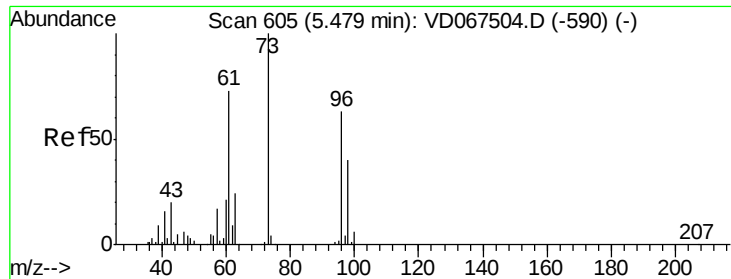
MMDadoda
11/4/2020 10:43:22 AM



#18
Methyl Acetate
Concen: 44.403 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	34.0	27.2	40.8





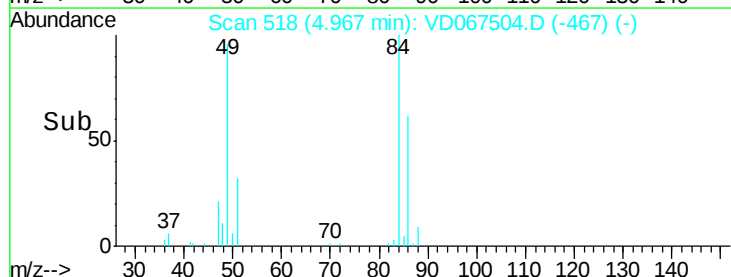
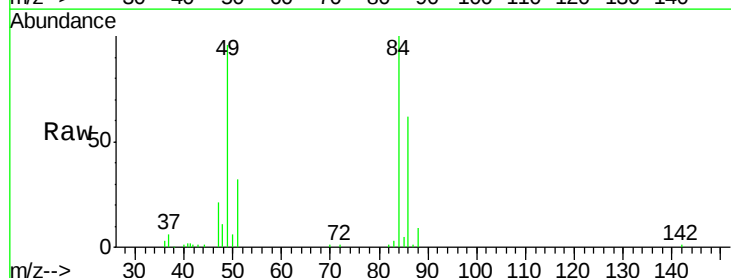
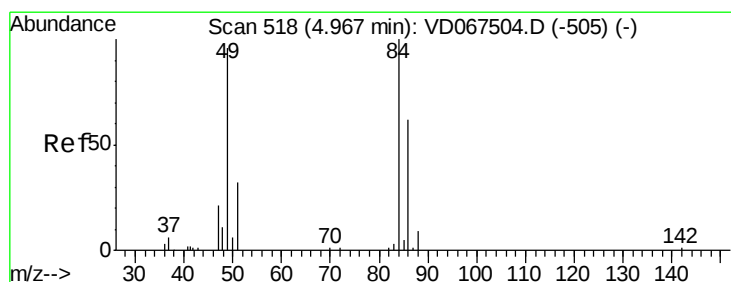
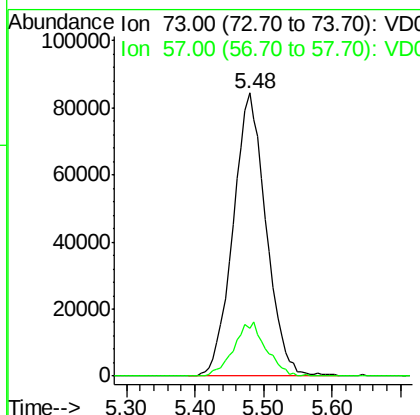
#19
Methyl tert-butyl Ether
Concen: 50.186 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tot Ion: 73 Resp: 281400
Ion Ratio Lower Upper
73 100
57 16.7 13.4 20.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

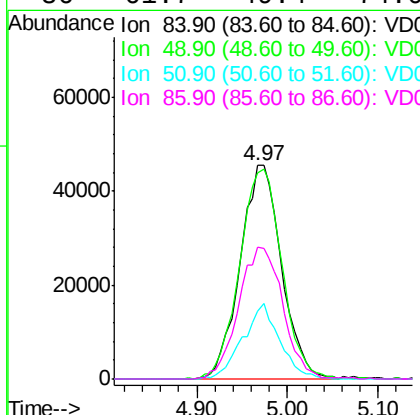
Manual Integrations
APPROVED

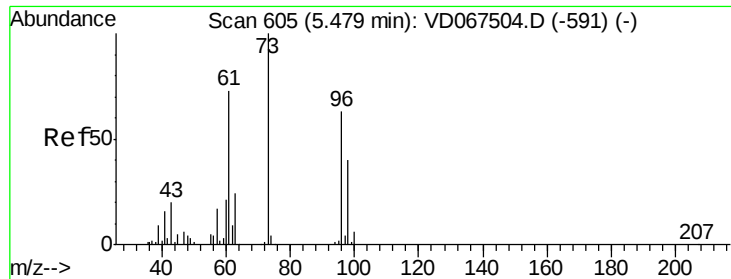
MMDadoda
11/4/2020 10:43:22 AM



#20
Methylene Chloride
Concen: 45.868 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion: 84 Resp: 144389
Ion Ratio Lower Upper
84 100
49 96.2 77.0 115.4
51 31.8 25.4 38.2
86 61.7 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 48.227 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

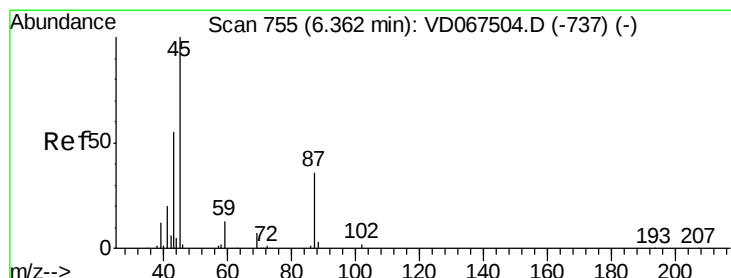
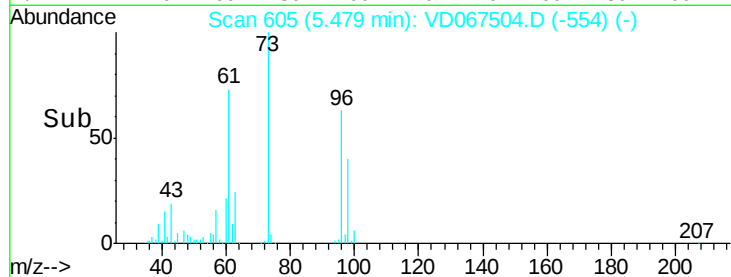
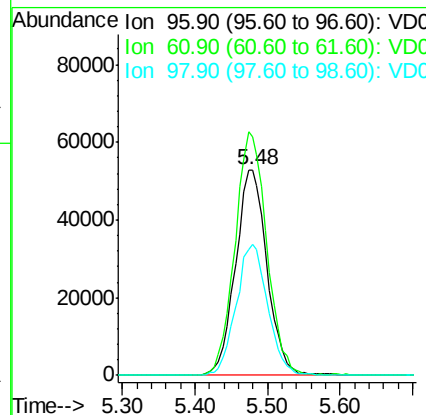
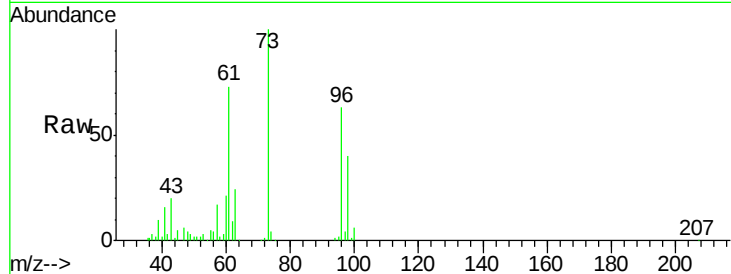
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	159675
Ion	Ratio	Lower	Upper
96	100		
61	116.3	93.0	139.6
98	63.6	50.9	76.3

Manual Integrations
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11/4/2020 10:43:22 AM



#22

Diisopropyl ether

Concen: 49.791 ug/l

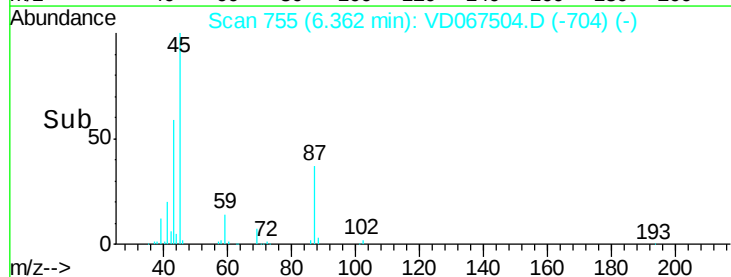
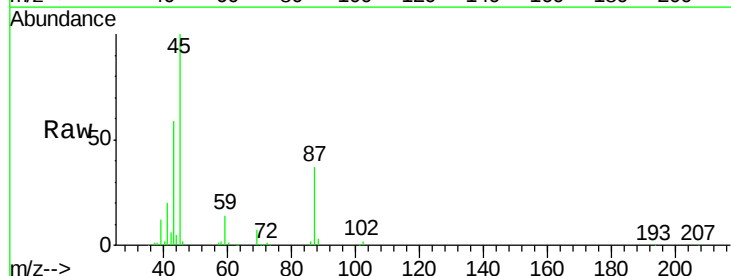
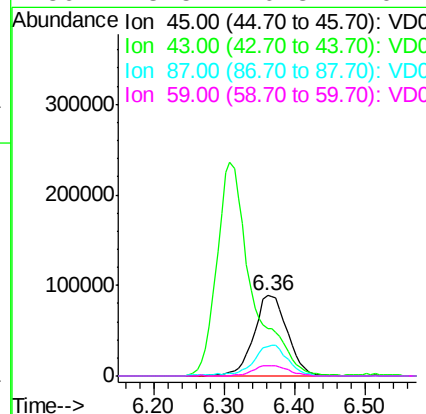
RT: 6.36 min Scan# 755

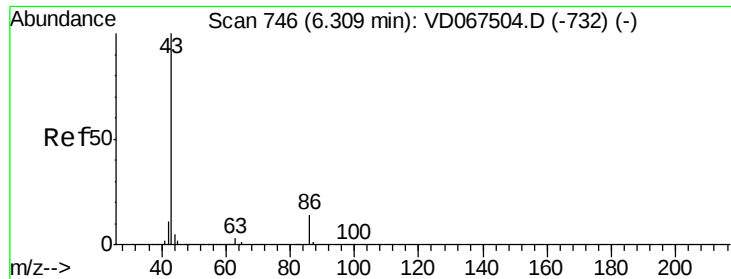
Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Tgt Ion:	45	Resp:	295194
Ion	Ratio	Lower	Upper
45	100		
43	57.8	46.2	69.4
87	36.8	29.4	44.2
59	13.5	10.8	16.2





#23

Vinyl Acetate

Concen: 261.072 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 811752

Ion Ratio Lower Upper

43 100

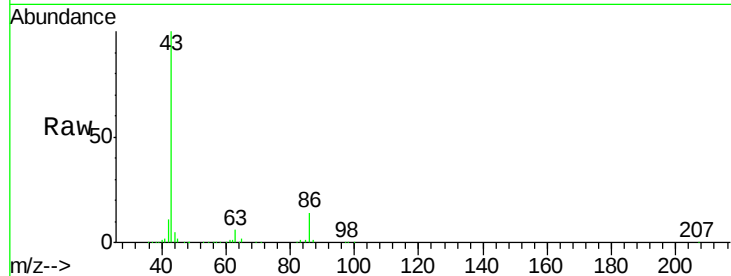
86 14.5 11.6 17.4

Manual Integrations

APPROVED

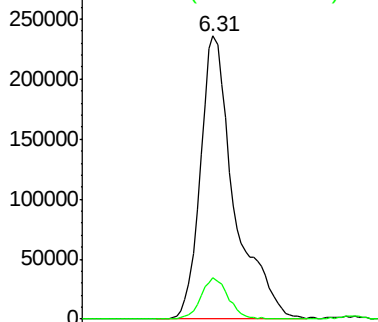
MMDadoda

11/4/2020 10:43:22 AM

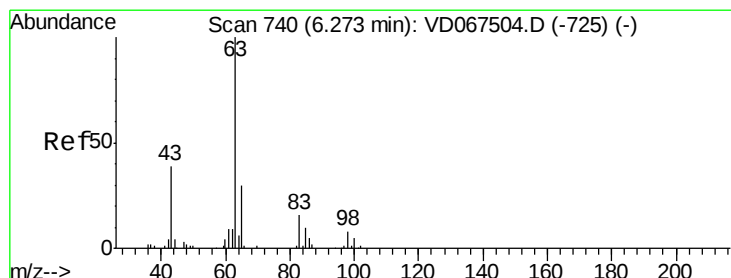
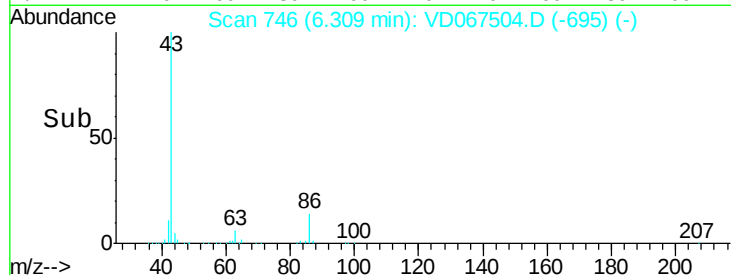


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 47.655 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

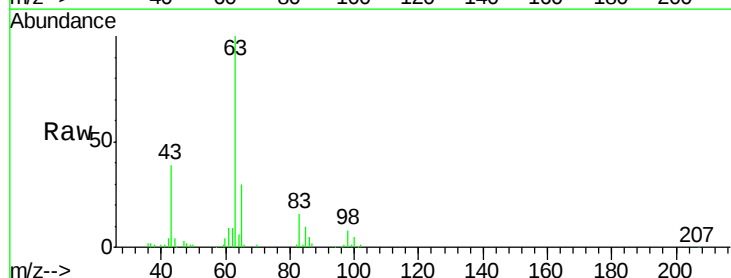
Tgt Ion: 63 Resp: 231139

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

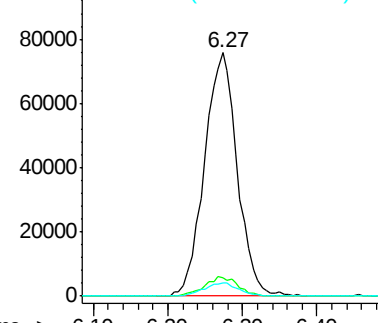
100 5.2 2.6 7.8



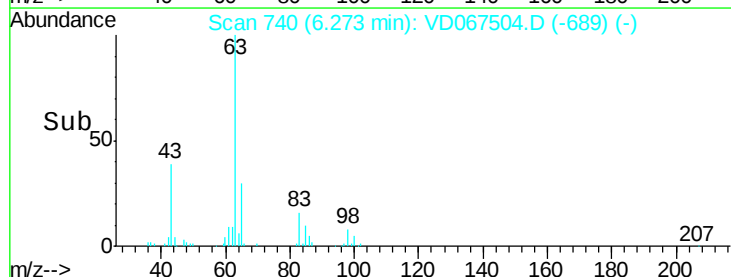
Abundance Ion 62.90 (62.60 to 63.60): VDC

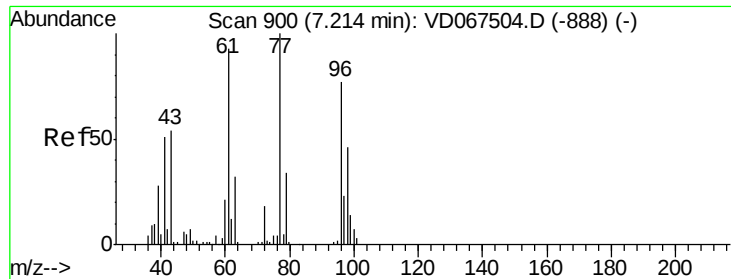
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 246.296 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 117281

Ion Ratio Lower Upper

43 100

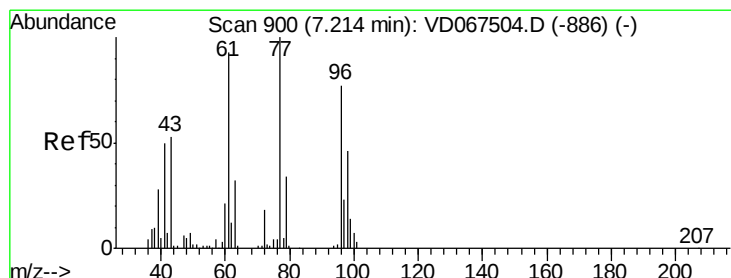
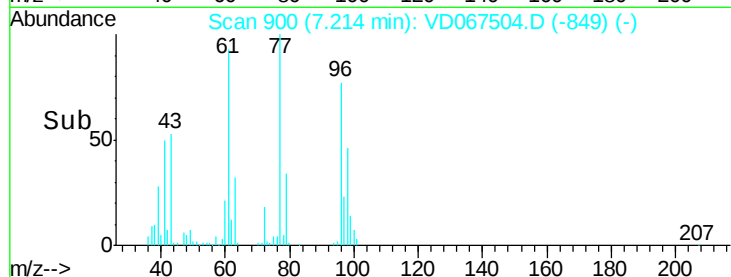
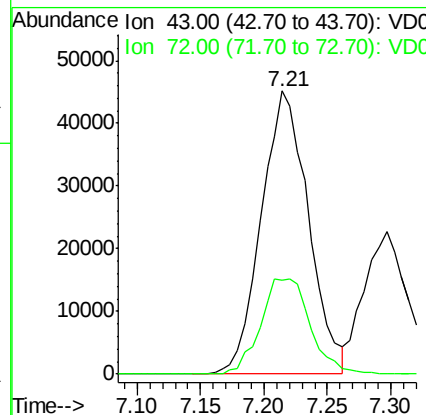
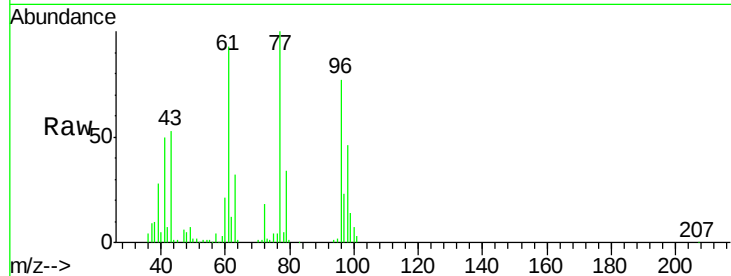
72 33.0 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

11/4/2020 10:43:22 AM



#26

2,2-Dichloropropane

Concen: 48.589 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067504.D

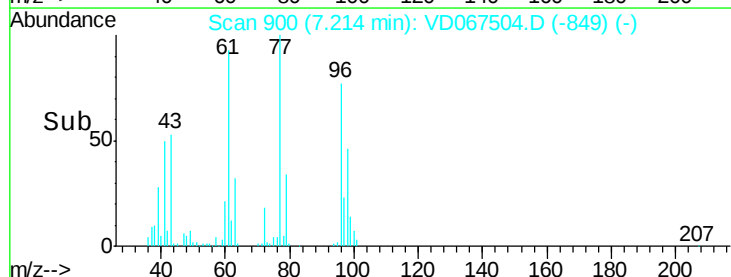
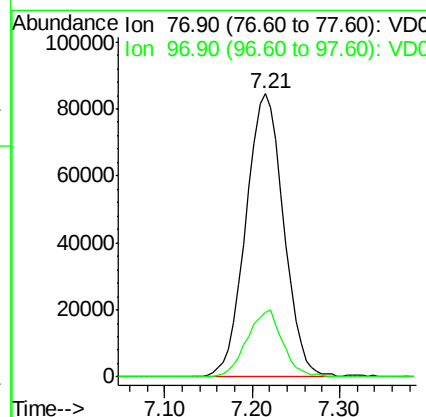
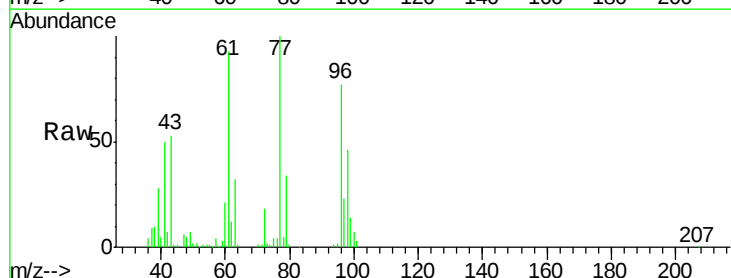
Acq: 03 Nov 2020 11:37

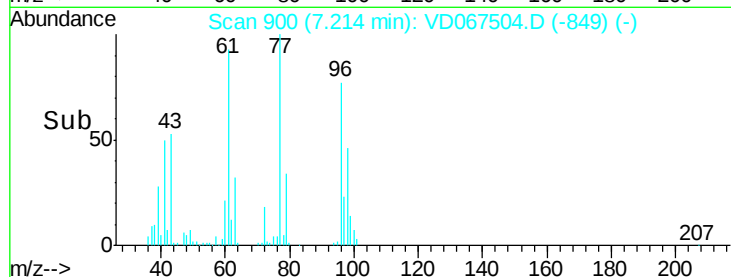
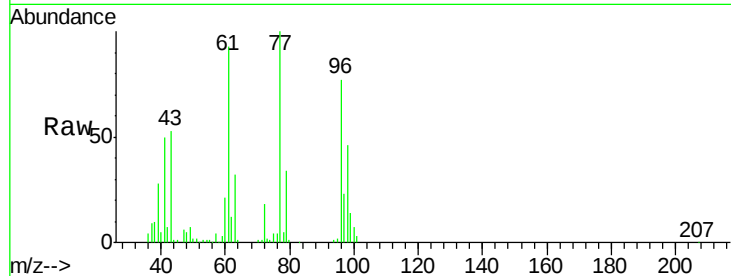
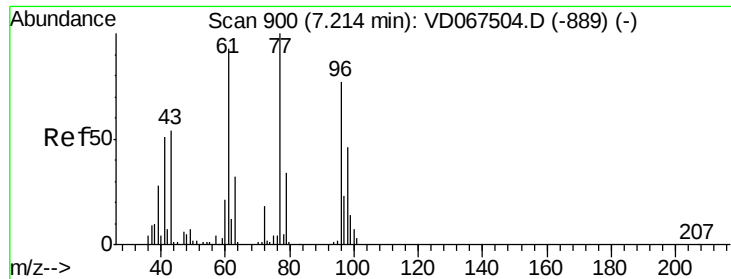
Tgt Ion: 77 Resp: 248724

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3





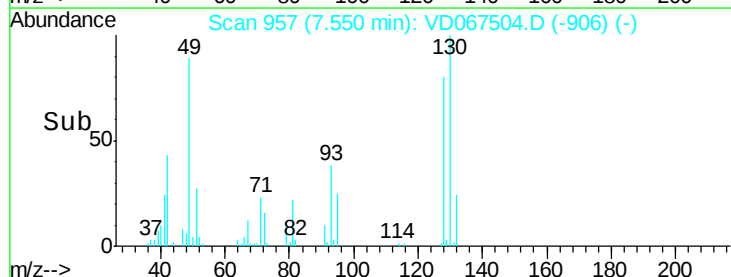
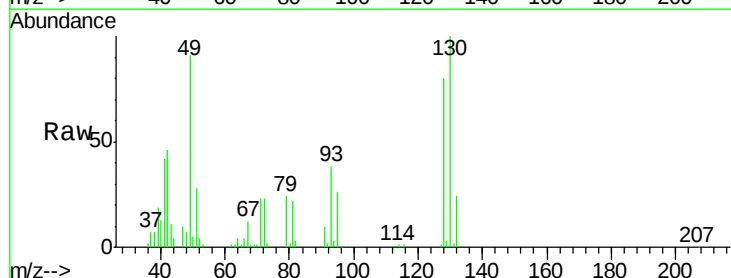
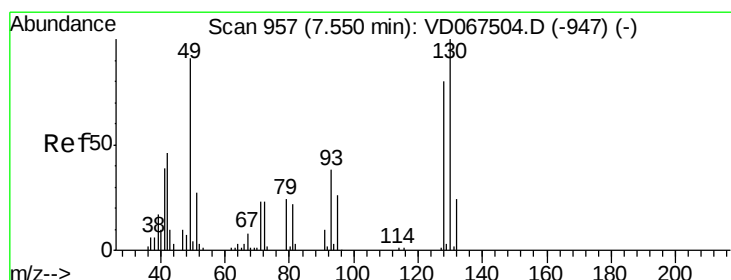
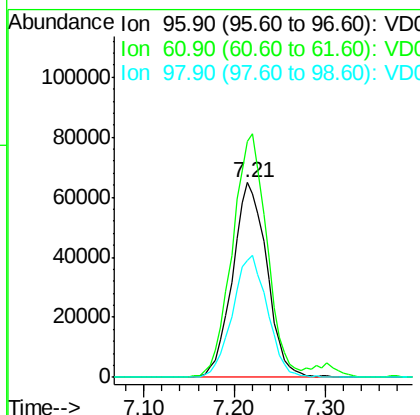
#27
 cis-1,2-Dichloroethene
 Concen: 49.638 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tot Ion	Ratio	Resp	Lower	Upper
96	100	170587		
61	125.8		0.0	251.6
98	64.0		0.0	128.0

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

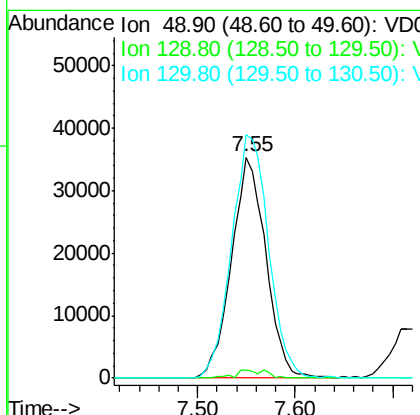
Manual Integrations
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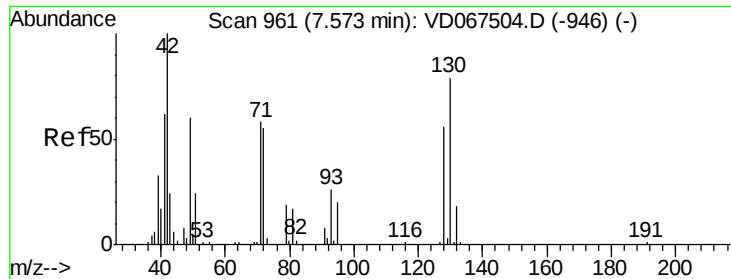
MMDadoda
 11/4/2020 10:43:22 AM



#28
 Bromochloromethane
 Concen: 50.139 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	86502		
129	3.2		0.0	6.4
130	118.3		94.6	142.0





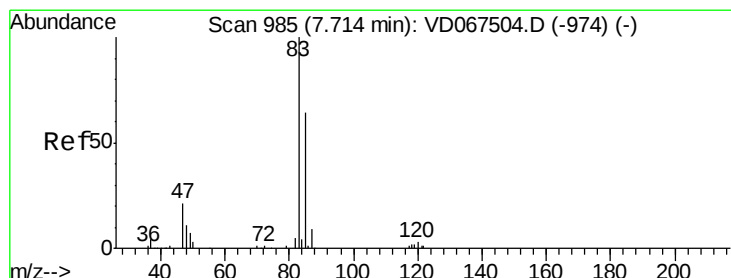
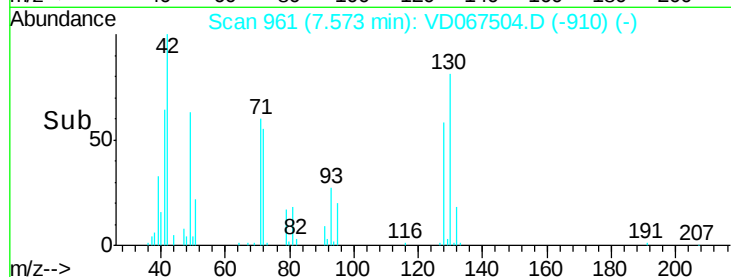
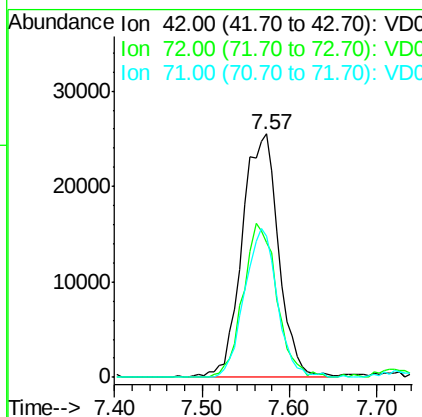
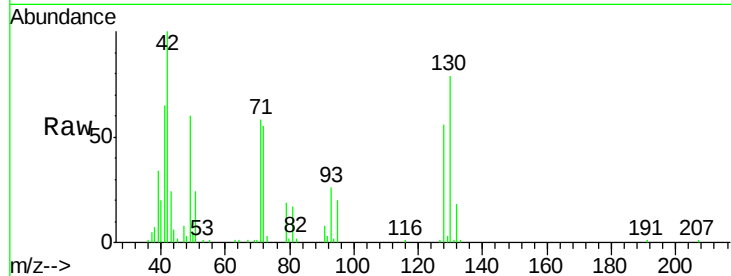
#29
Tetrahydrofuran
Concen: 253.175 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.9	46.3	69.5
71	55.0	44.0	66.0

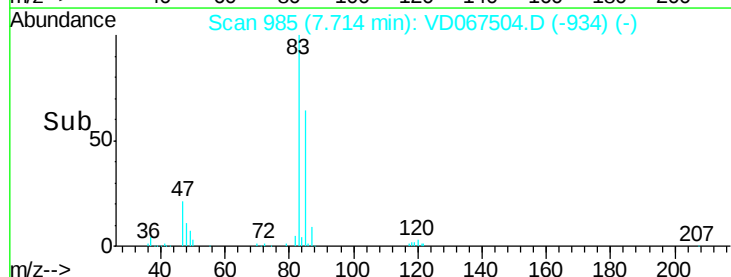
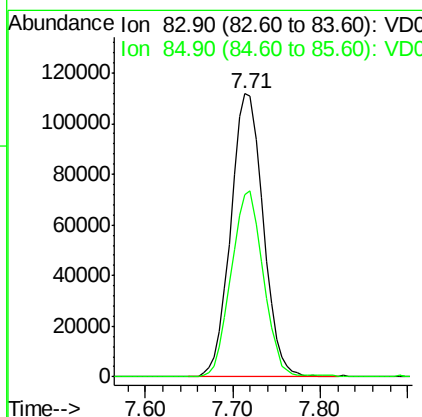
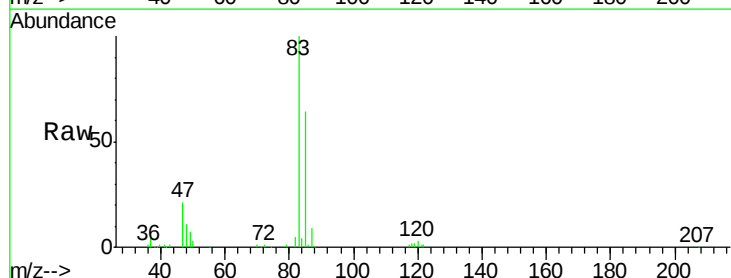
Manual Integrations
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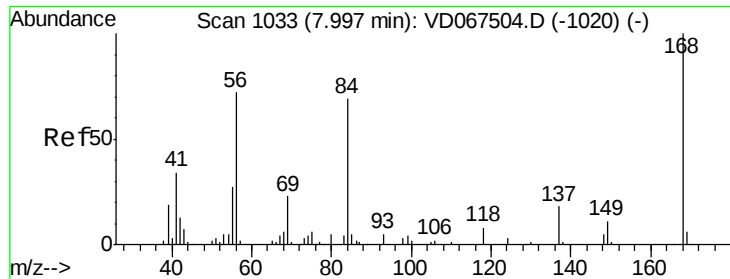
MMDadoda
11/4/2020 10:43:22 AM



#30
Chloroform
Concen: 48.596 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





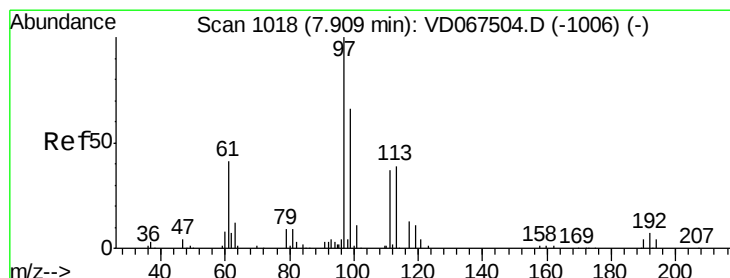
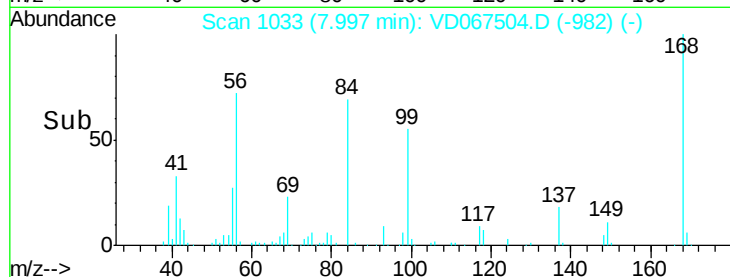
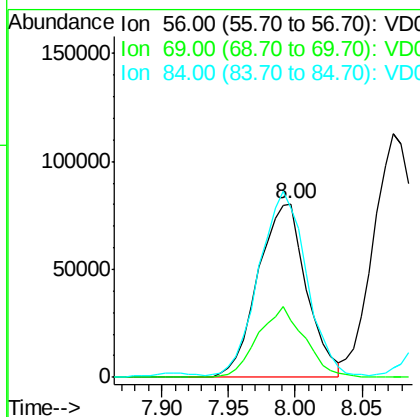
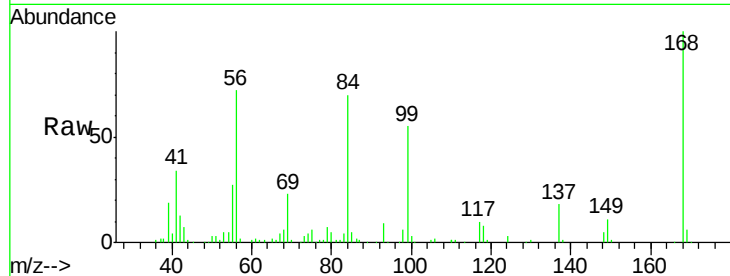
#31
Cyclohexane
Concen: 46.978 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.9	38.9
84	95.3	76.2	114.4

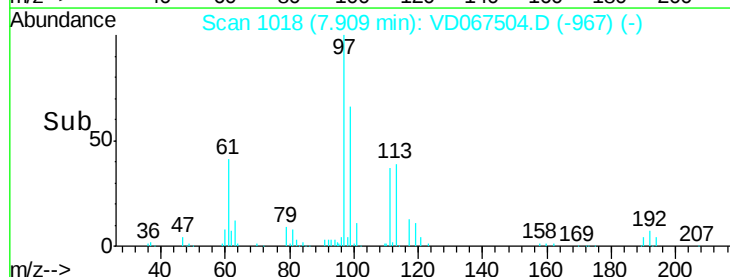
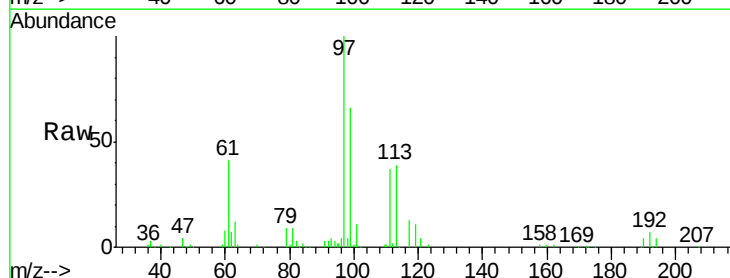
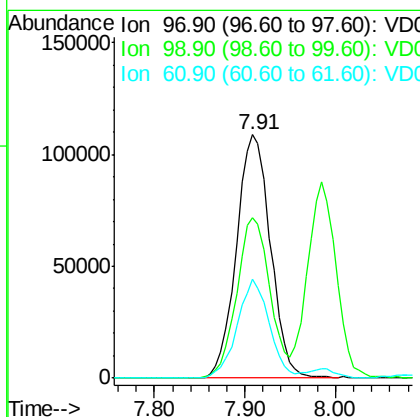
Manual Integrations
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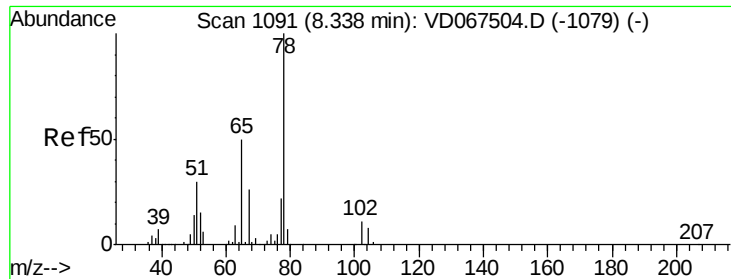
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.600 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	38.1	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 44.403 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 132231

Ion Ratio Lower Upper

65 100

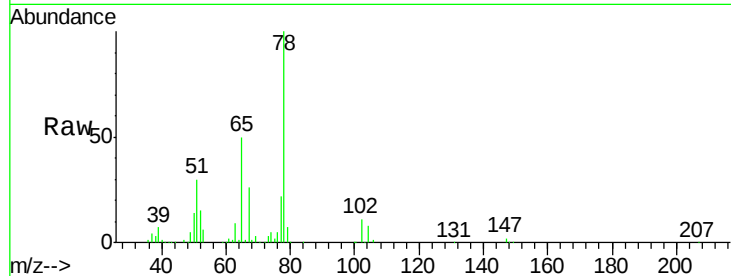
67 49.7 0.0 99.4

Manual Integrations

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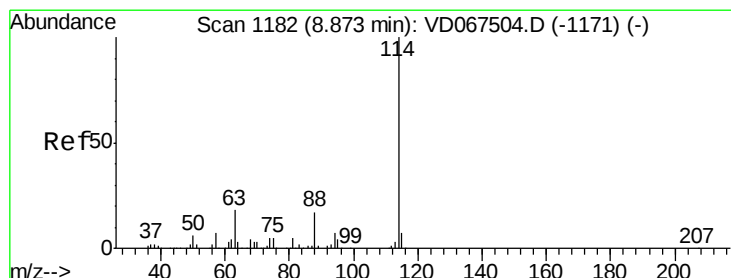
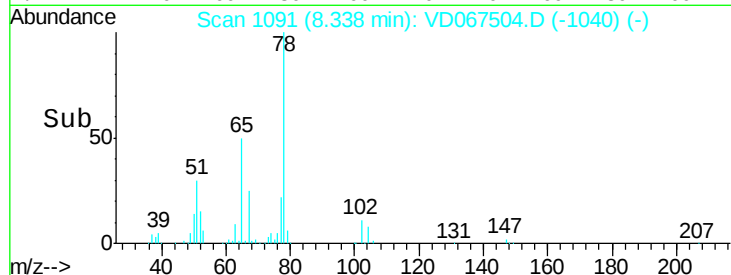
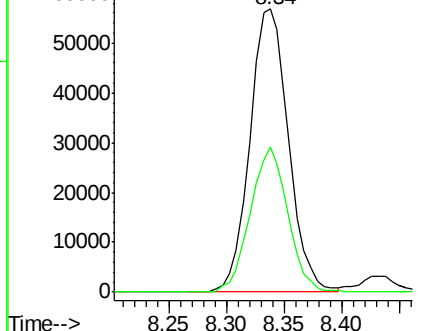
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

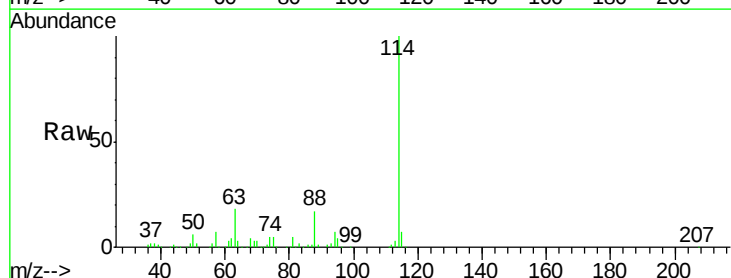
Tgt Ion: 114 Resp: 491462

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

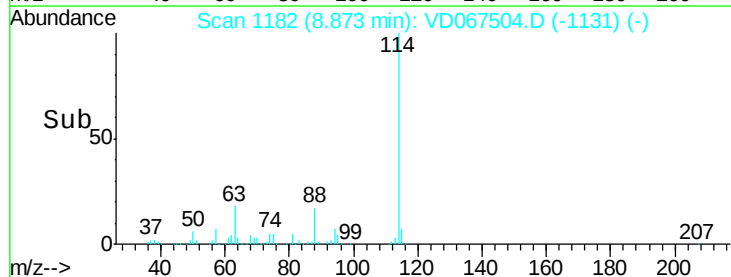
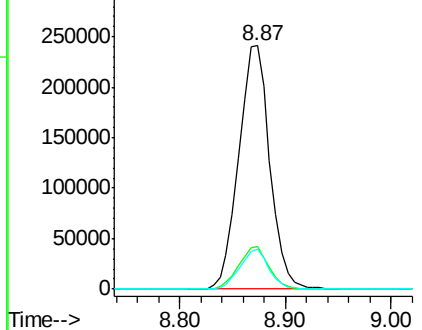
88 16.5 0.0 33.0

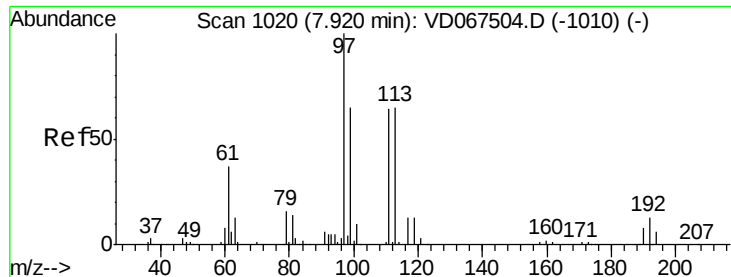


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





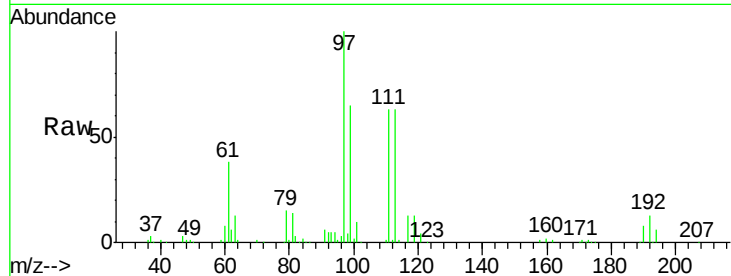
#35
Dibromofluoromethane
Concen: 47.579 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

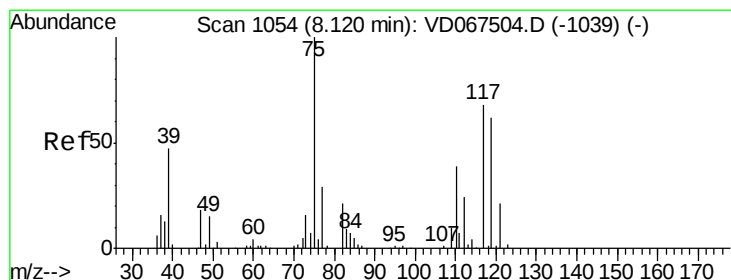
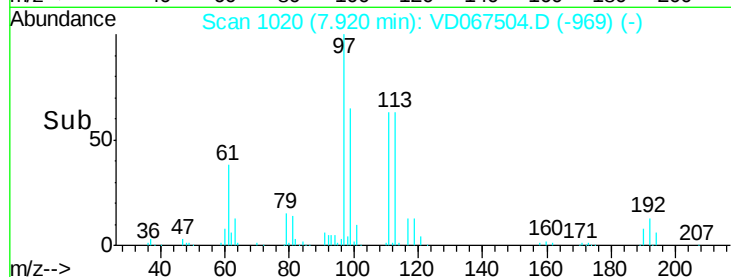
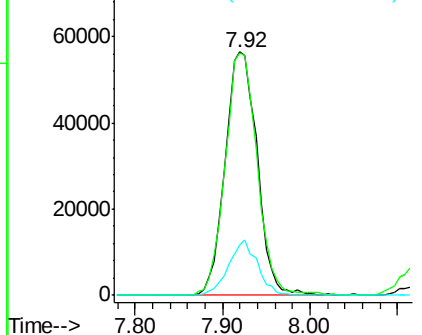
Tot Ion	Ratio	Resp	Lower	Upper
113	100	140884		
111	100.0	80.0	120.0	
192	20.4	16.3	24.5	

Manual Integrations
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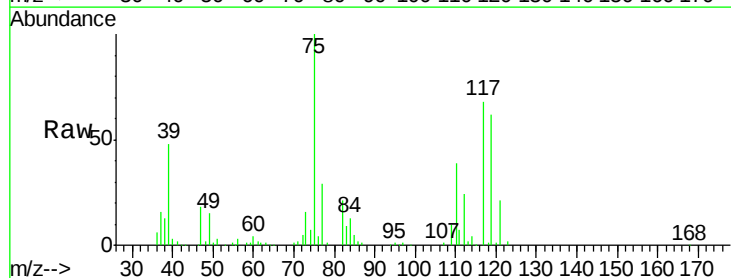


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

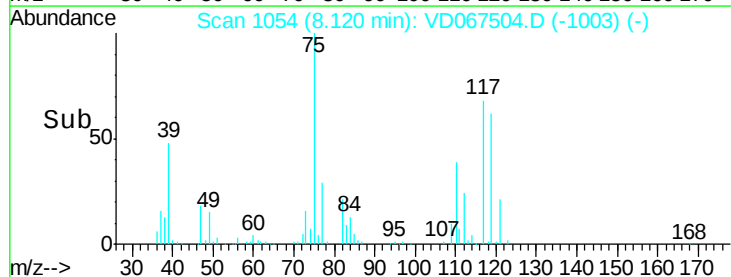
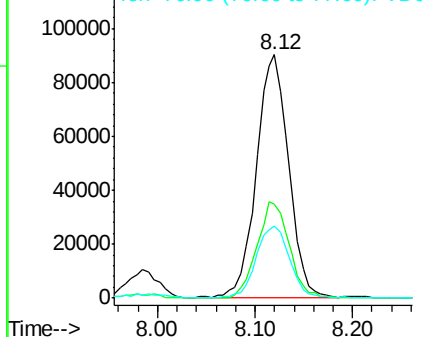


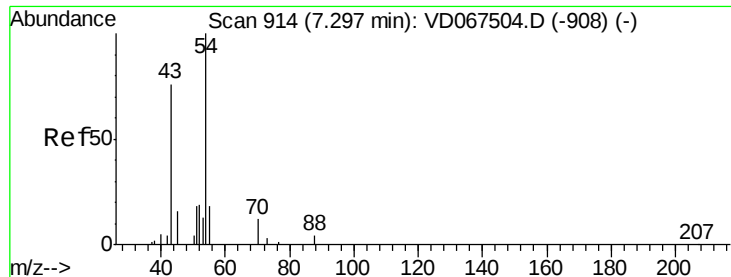
#36
1,1-Dichloropropene
Concen: 49.575 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	208555		
110	39.8	19.9	59.7	
77	31.0	24.8	37.2	



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC





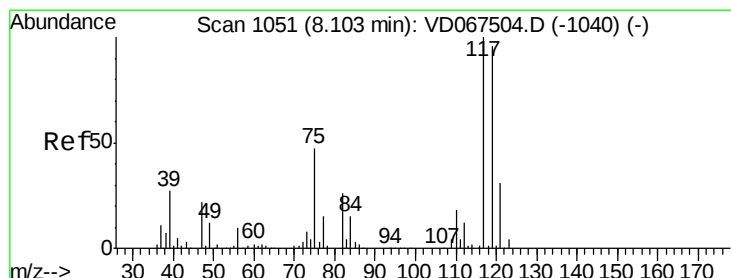
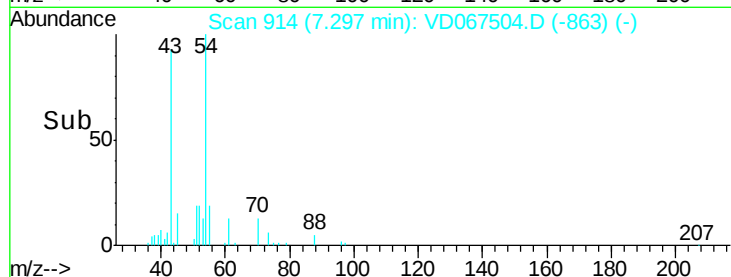
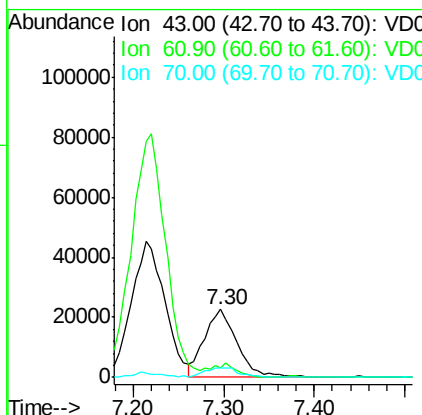
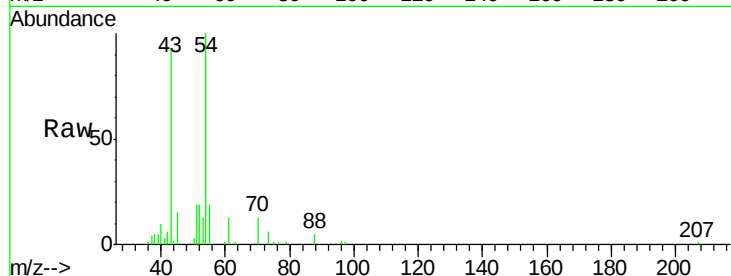
#37
Ethyl Acetate
Concen: 52.556 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.8	19.2
70	14.6	11.7	17.5

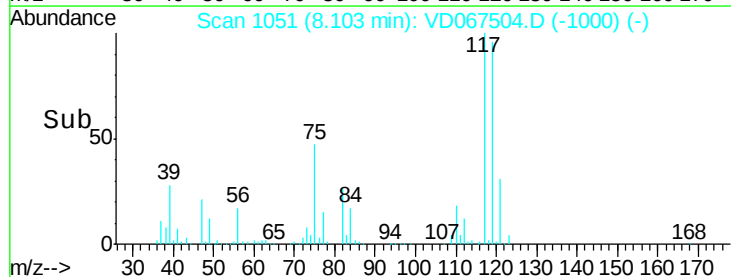
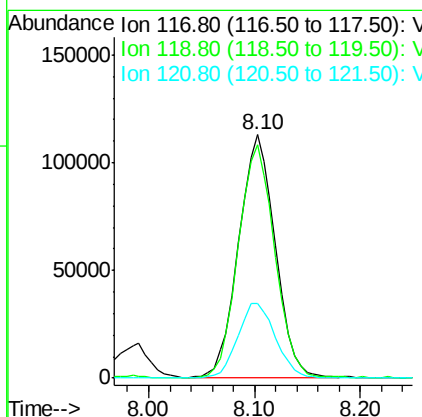
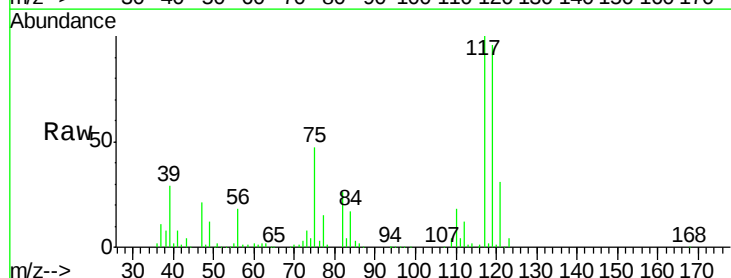
Manual Integrations
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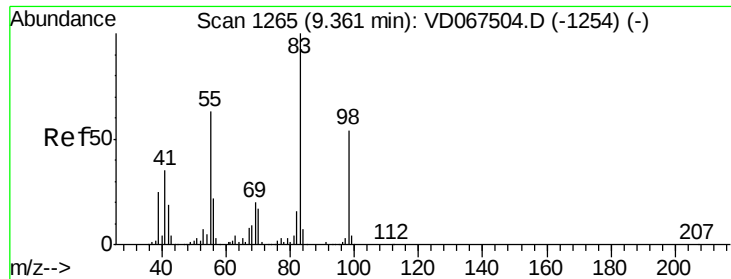
MMDadoda
11/4/2020 10:43:22 AM



#38
Carbon Tetrachloride
Concen: 49.454 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	30.6	24.5	36.7





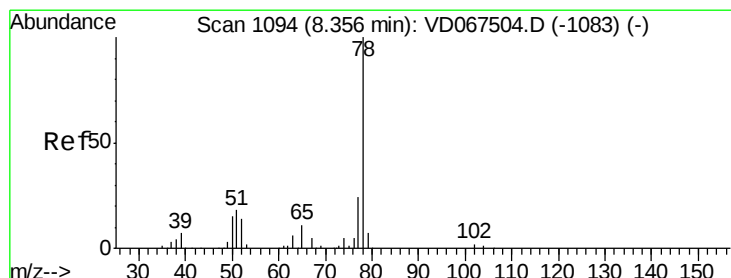
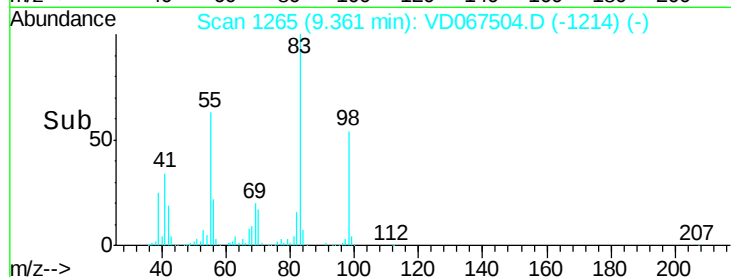
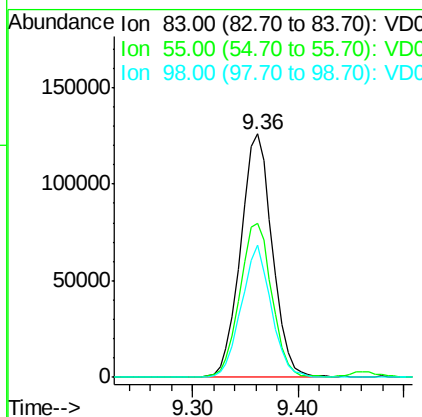
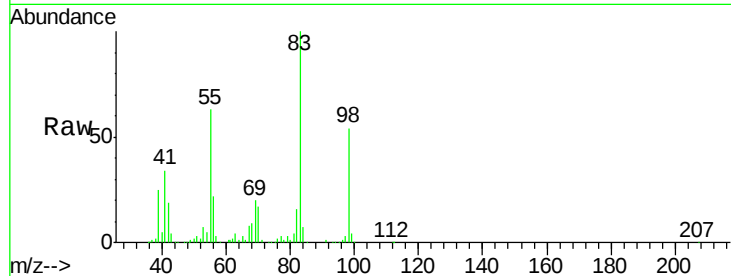
#39
Methvlcvclohexane
Concen: 53.042 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.1	50.5	75.7
98	54.2	43.4	65.0

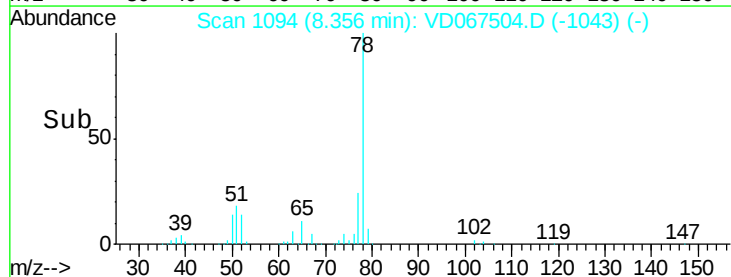
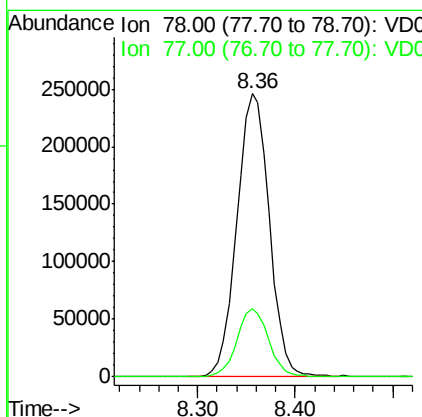
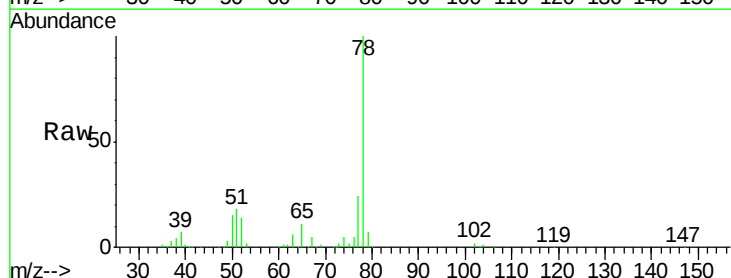
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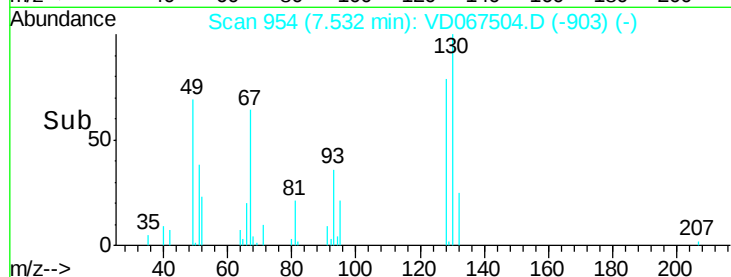
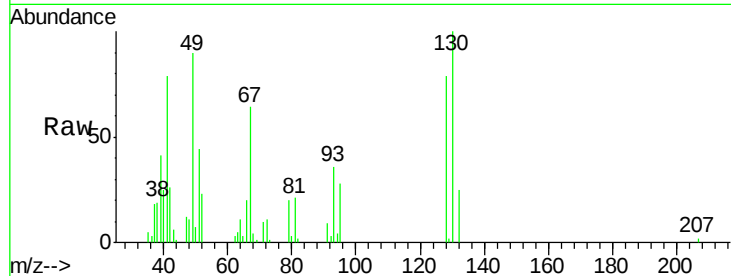
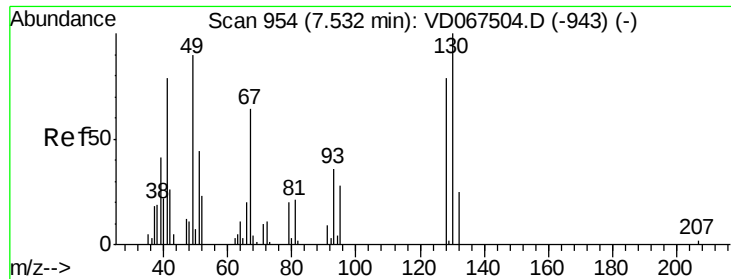
MMDadoda
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#40
Benzene
Concen: 50.072 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





#41

Methacrylonitrile

Concen: 54.341 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Tot Ion: 41 Resp: 29853

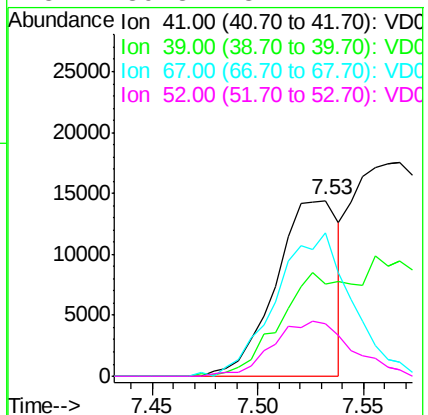
Ion Ratio Lower Upper

41 100

39 64.1 51.3 76.9

67 98.6 78.9 118.3

52 39.3 31.4 47.2



Instrument :

MSVOA_D

ClientSampleId :

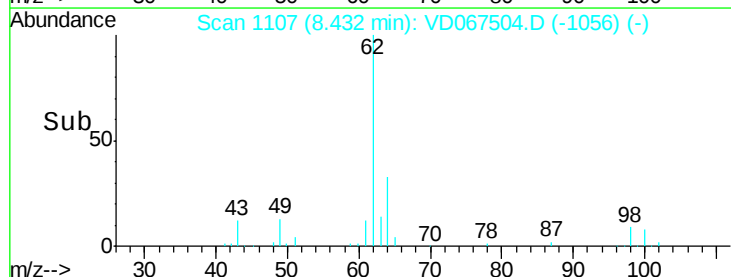
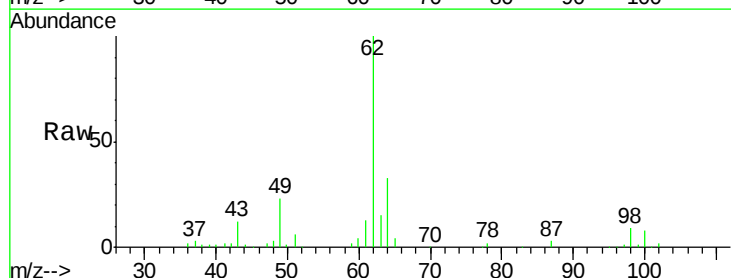
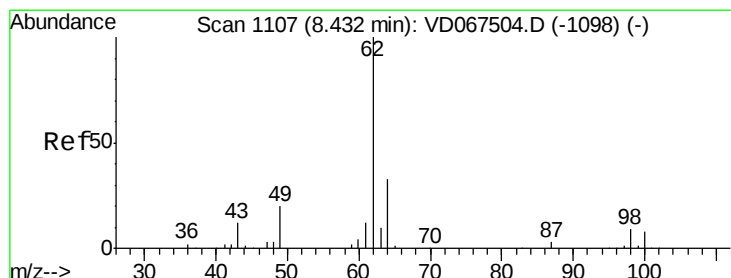
VSTDICCC050

Manual Integrations

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11/4/2020 10:43:22 AM



#42

1,2-Dichloroethane

Concen: 49.416 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD067504.D

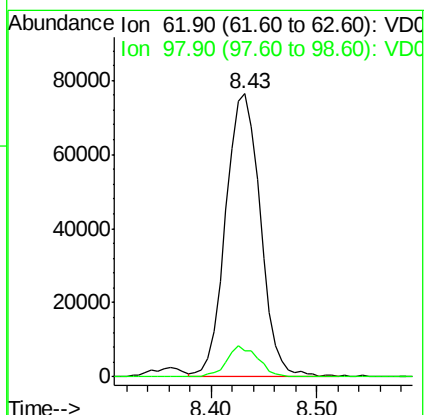
Acq: 03 Nov 2020 11:37

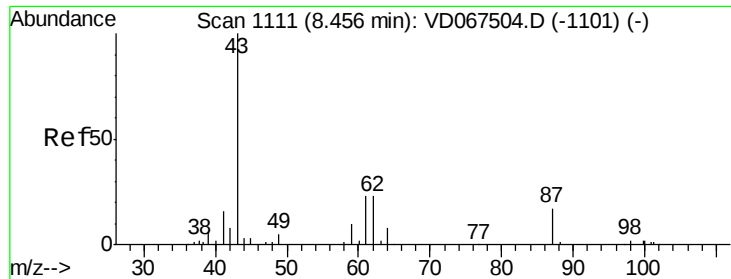
Tgt Ion: 62 Resp: 173983

Ion Ratio Lower Upper

62 100

98 9.9 0.0 19.8





#43

Isopropyl Acetate

Concen: 49.966 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

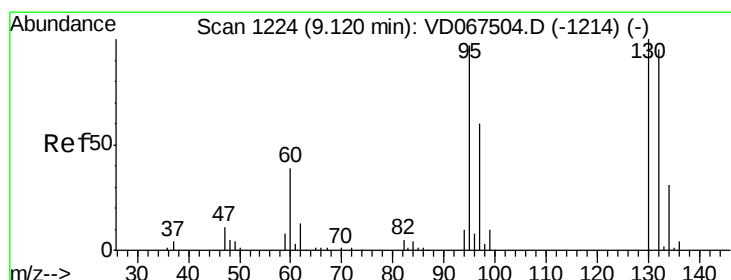
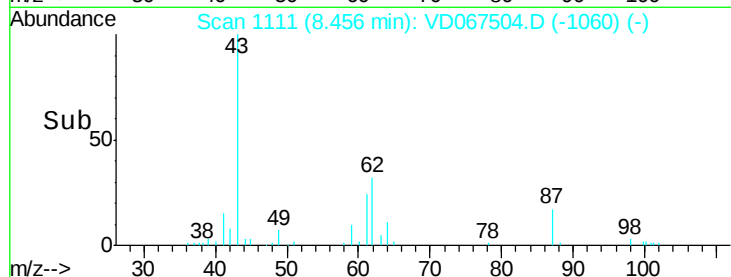
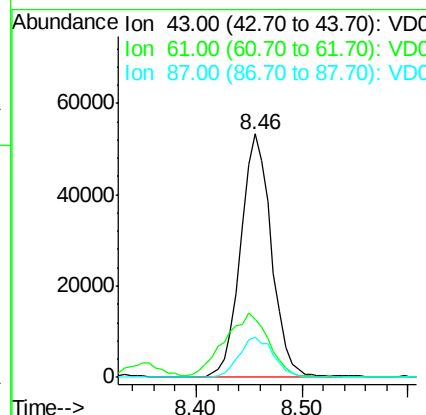
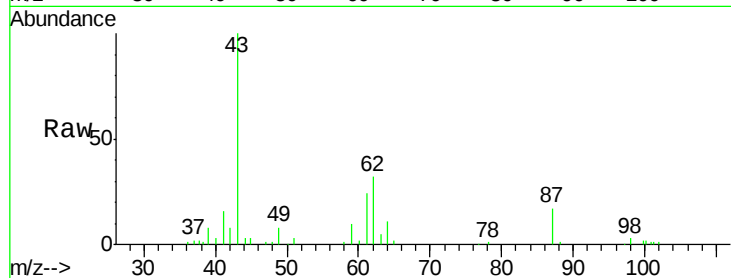
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	107925
Ion	Ratio	Lower	Upper
43	100		
61	38.1	30.5	45.7
87	18.4	14.7	22.1

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#44

Trichloroethene

Concen: 48.644 ug/l

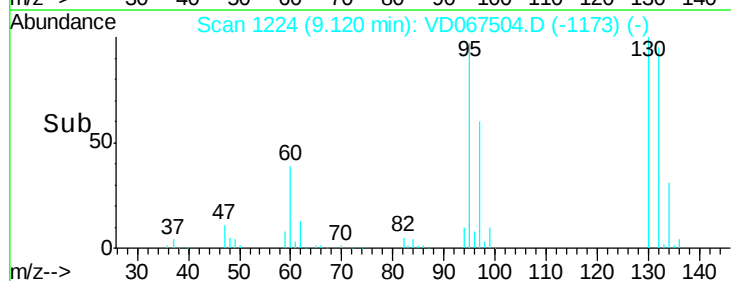
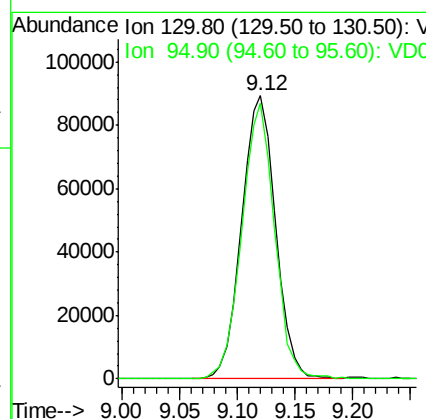
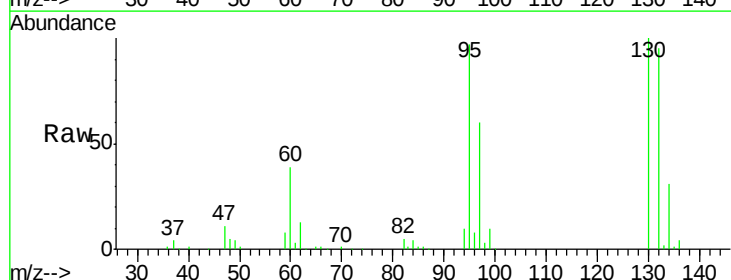
RT: 9.12 min Scan# 1224

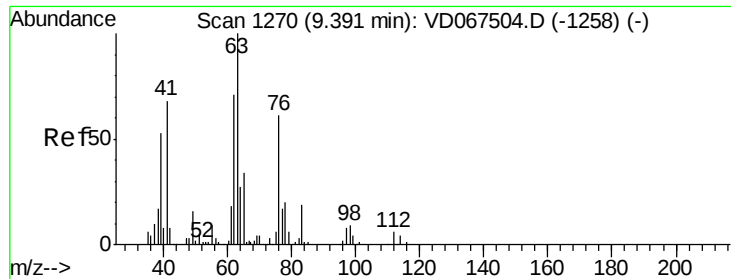
Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Tgt Ion:	130	Resp:	182263
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	194.4





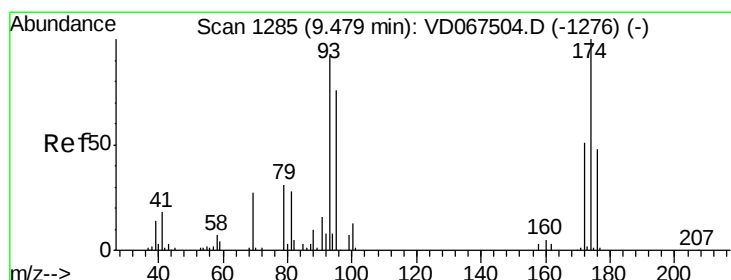
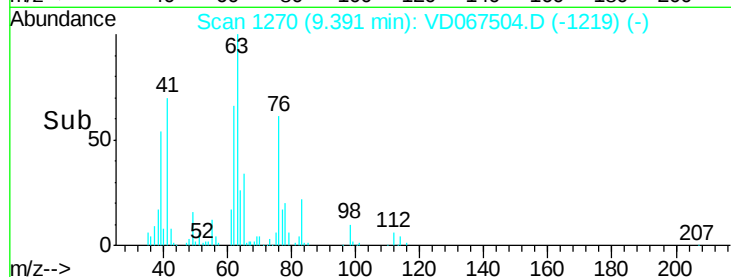
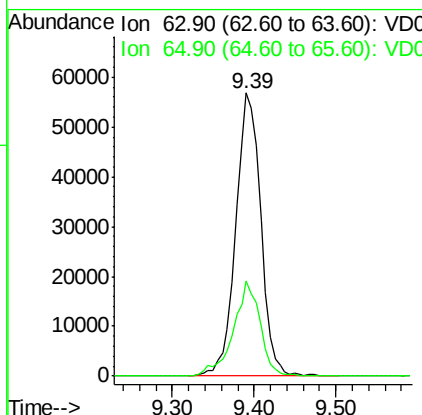
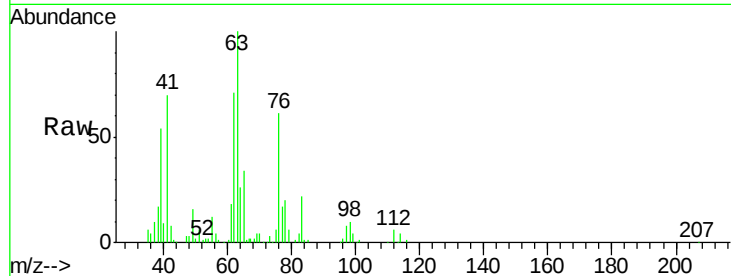
#45
 1,2-Dichloropropane
 Concen: 49.130 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 121043
 Ion Ratio Lower Upper
 63 100
 65 33.6 26.9 40.3

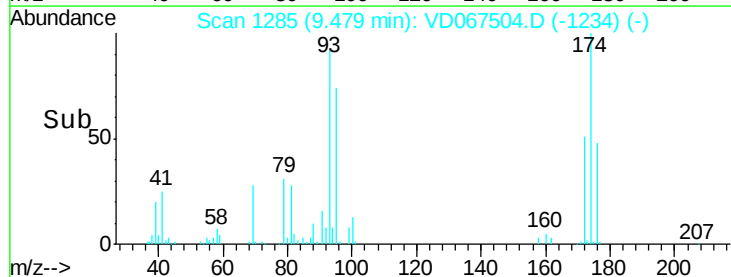
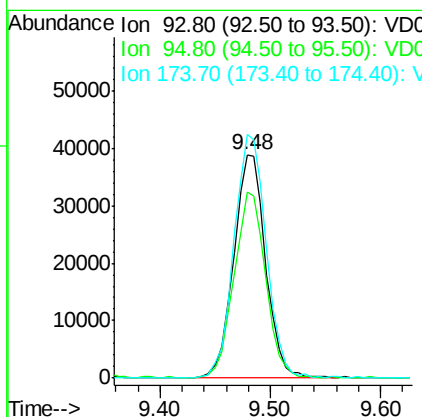
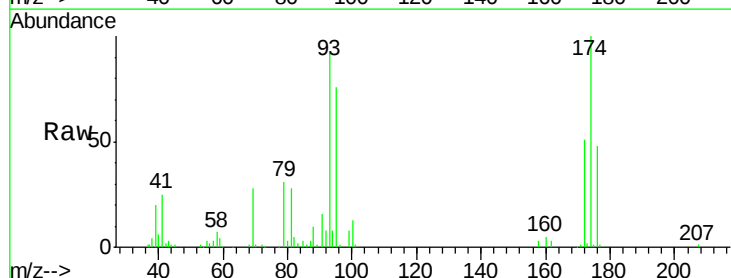
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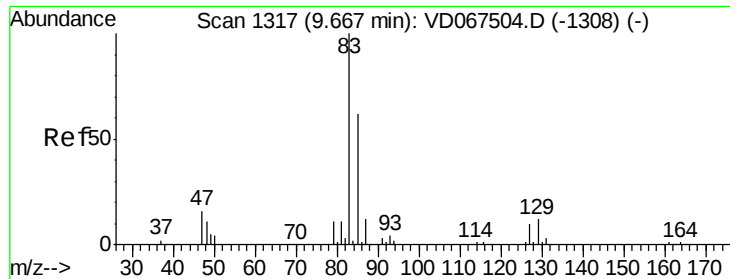
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#46
 Dibromomethane
 Concen: 50.209 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion: 93 Resp: 78653
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.4 99.6
 174 110.3 88.2 132.4





#47

Bromodichloromethane

Concen: 50.326 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

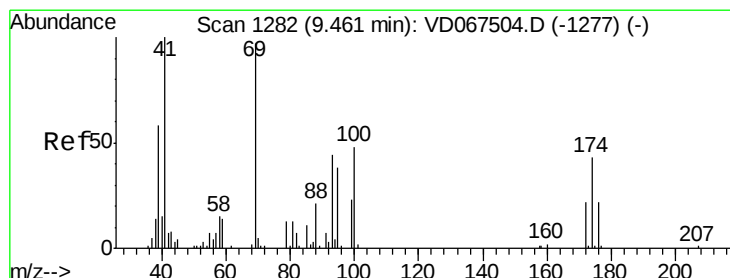
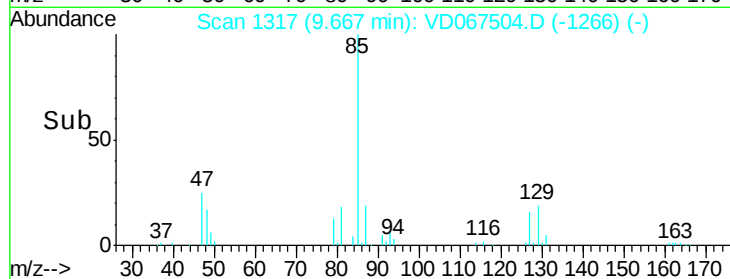
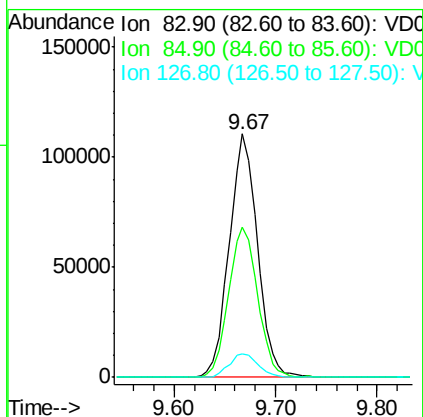
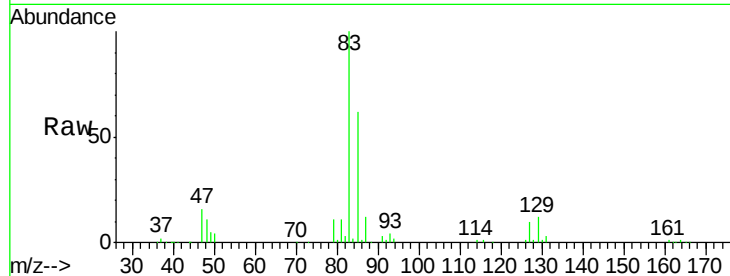
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	214277
Ion	Ratio	Lower	Upper
83	100		
85	61.8	49.4	74.2
127	9.6	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.516 ug/l

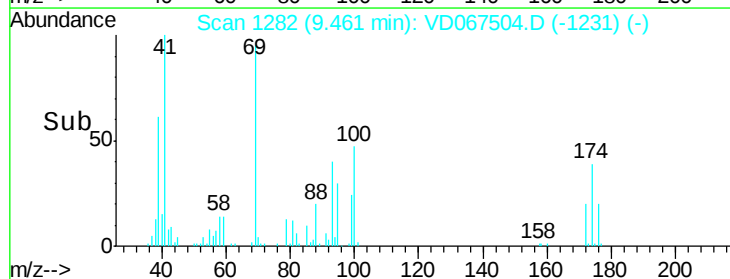
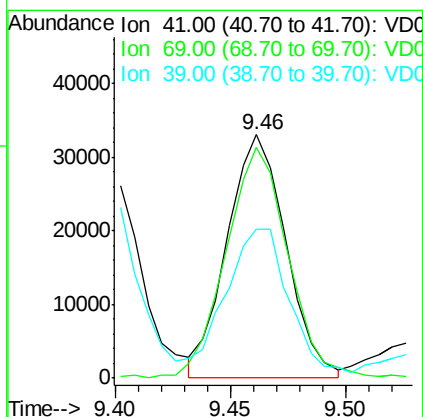
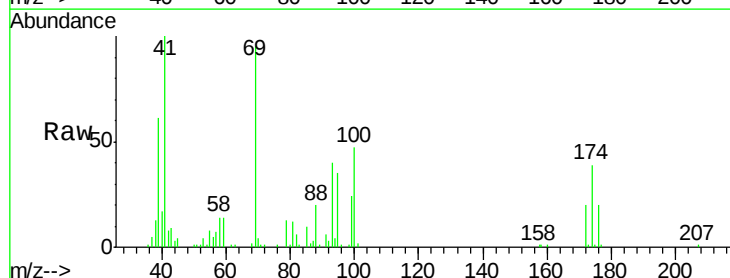
RT: 9.46 min Scan# 1282

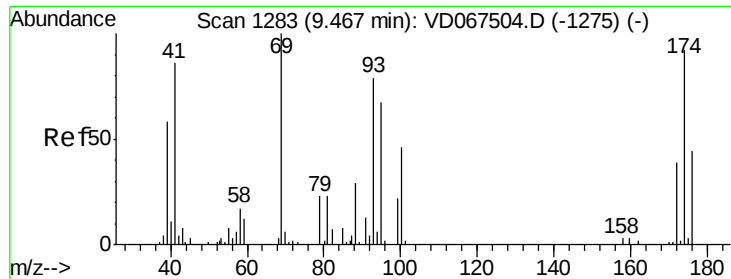
Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Tgt Ion:	41	Resp:	58568
Ion	Ratio	Lower	Upper
41	100		
69	100.8	80.6	121.0
39	62.8	50.2	75.4





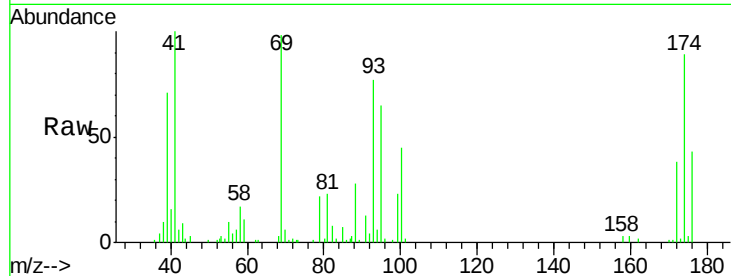
#49
 1,4-Dioxane
 Concen: 1016.045 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

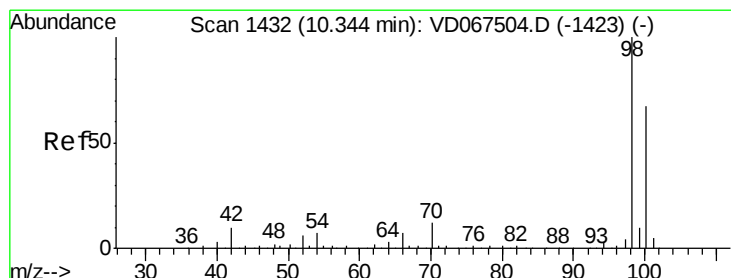
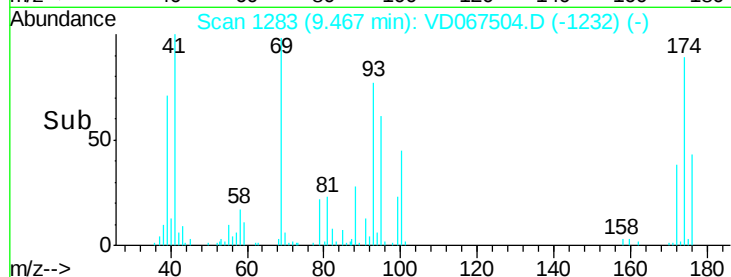
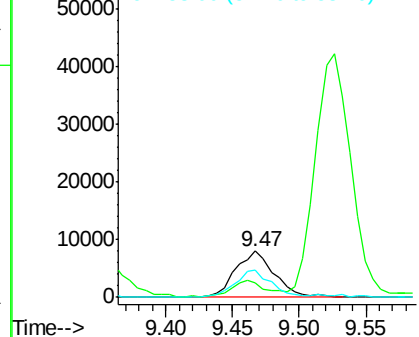
Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	23.6	35.4
58	55.9	44.7	67.1

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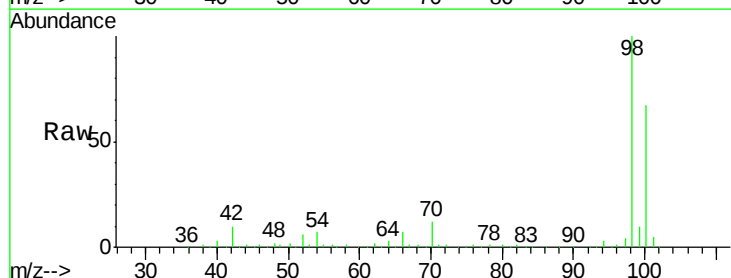


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

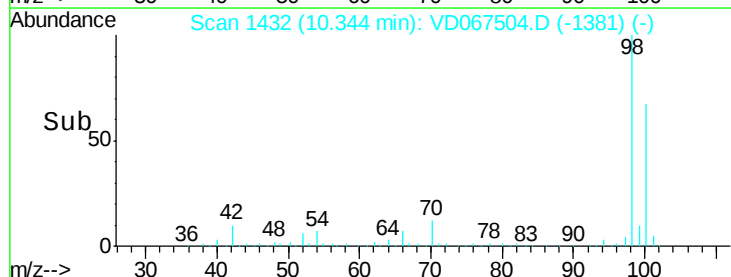
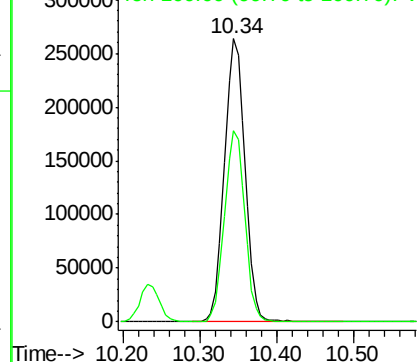


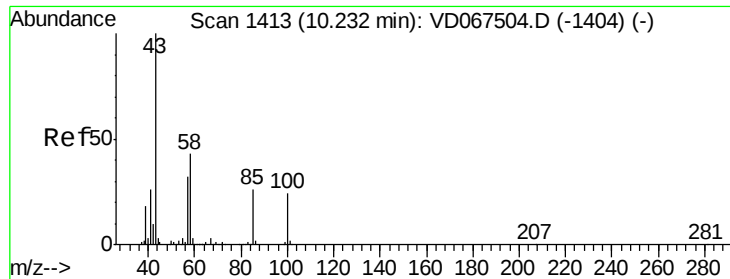
#50
 Toluene-d8
 Concen: 47.044 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.6



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





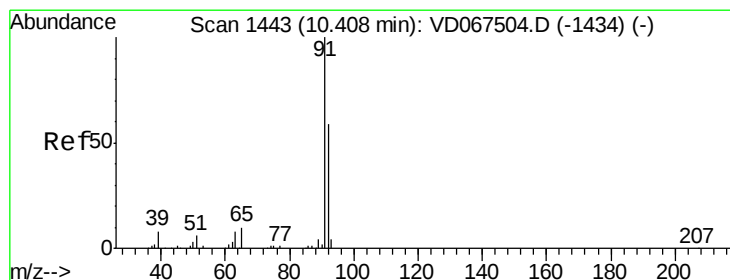
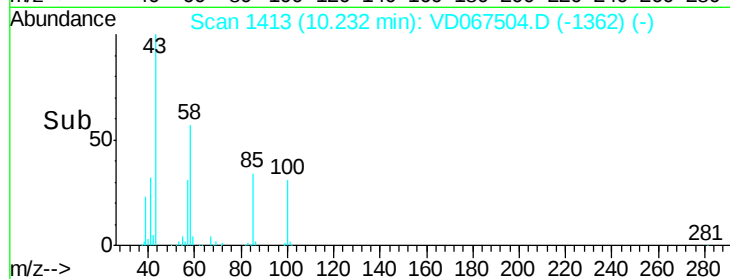
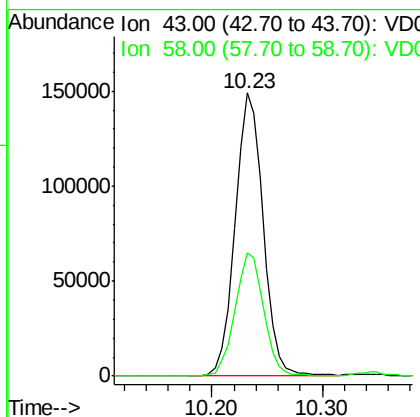
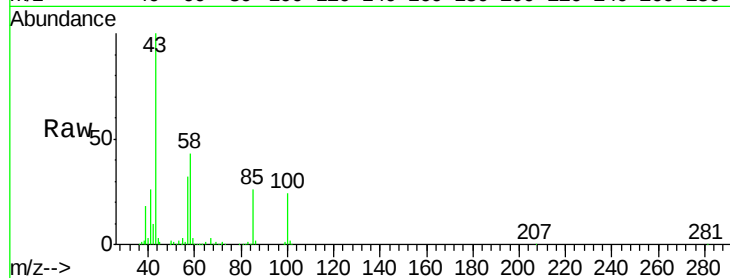
#51
4-Methyl-2-Pentanone
Concen: 257.927 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 266443
Ion Ratio Lower Upper
43 100
58 44.5 35.6 53.4

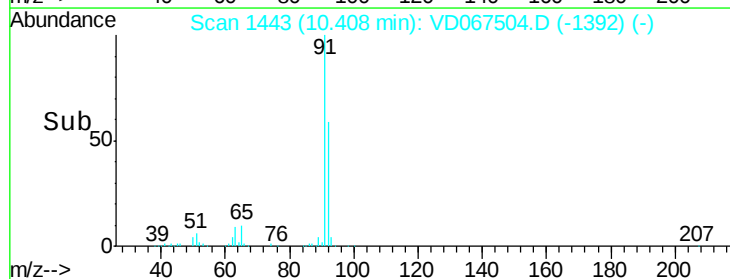
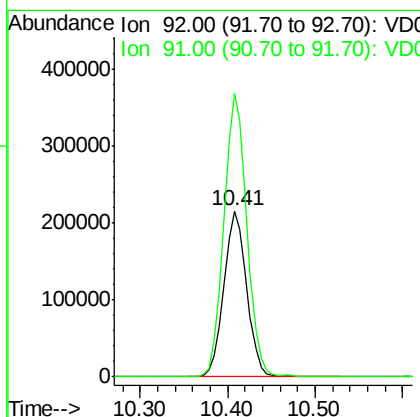
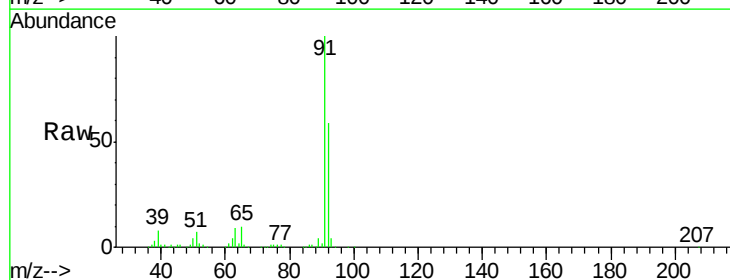
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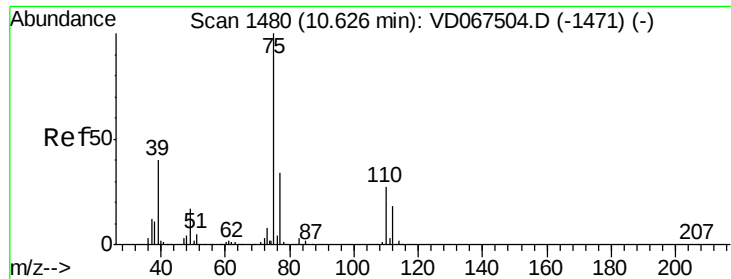
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#52
Toluene
Concen: 50.678 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion: 92 Resp: 386804
Ion Ratio Lower Upper
92 100
91 171.3 137.0 205.6





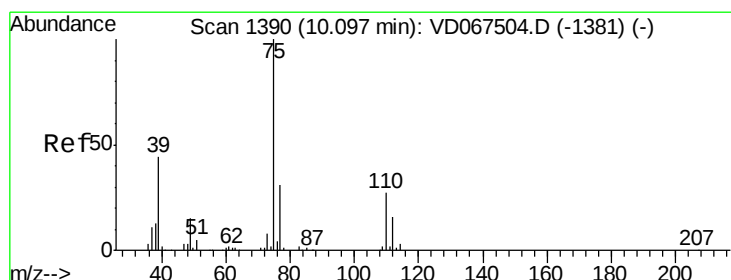
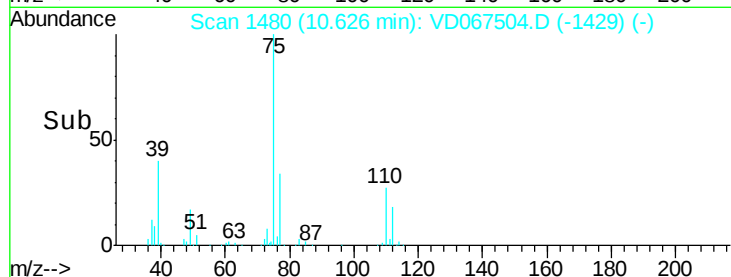
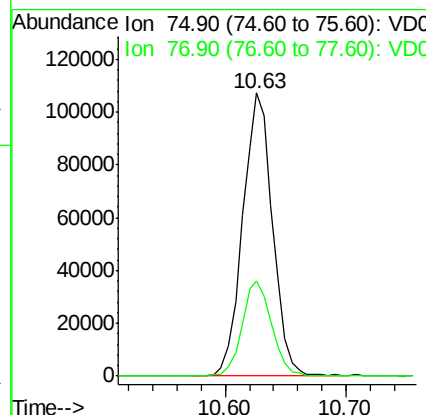
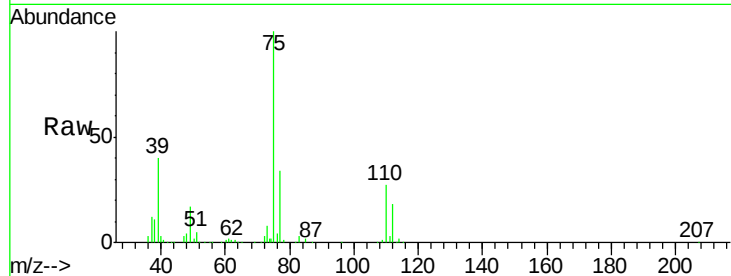
#53
 t-1,3-Dichloropropene
 Concen: 50.603 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.8	27.0	40.6

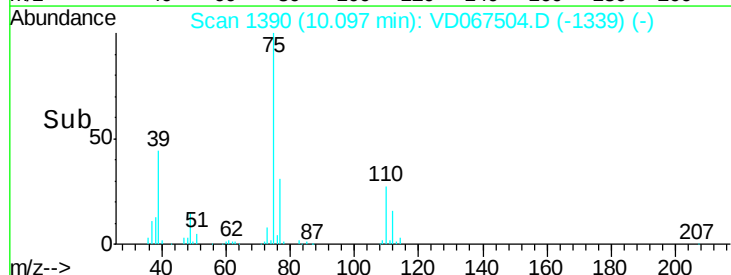
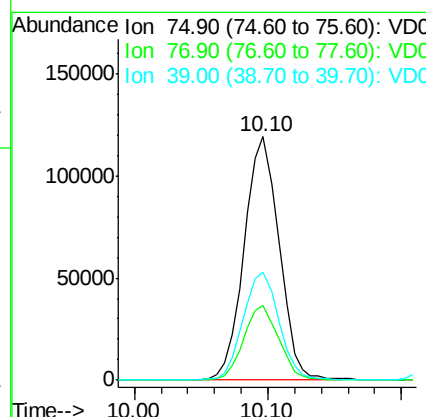
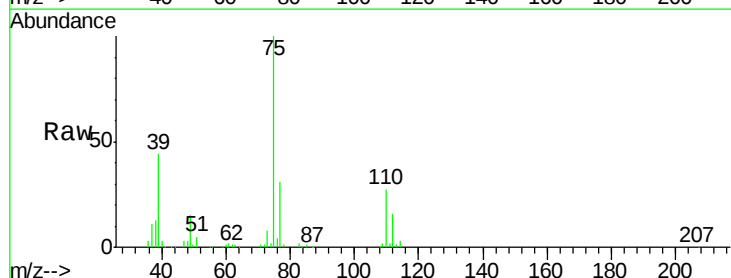
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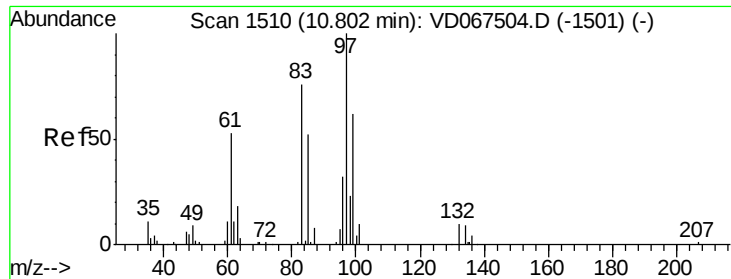
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 11/4/2020 10:43:22 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.904 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.4	36.6
39	44.5	35.6	53.4





#55

1,1,2-Trichloroethane

Concen: 50.449 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 104566

Ion Ratio Lower Upper

97 100

83 76.3 61.0 91.6

85 51.9 41.5 62.3

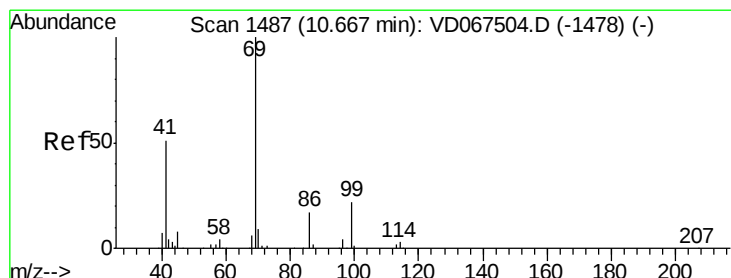
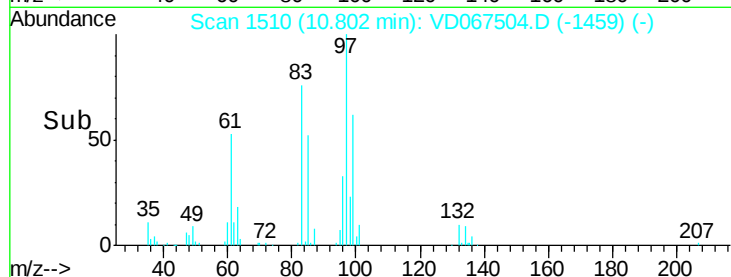
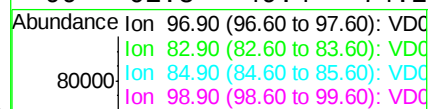
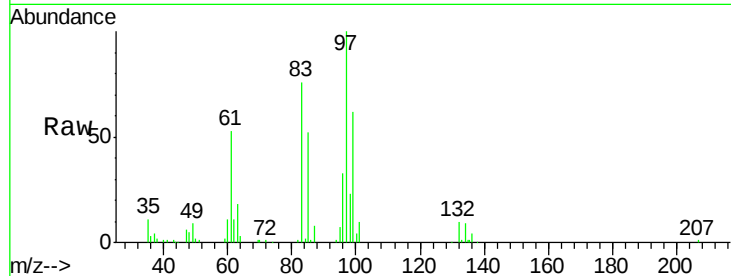
99 61.8 49.4 74.2

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#56

Ethyl methacrylate

Concen: 51.796 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

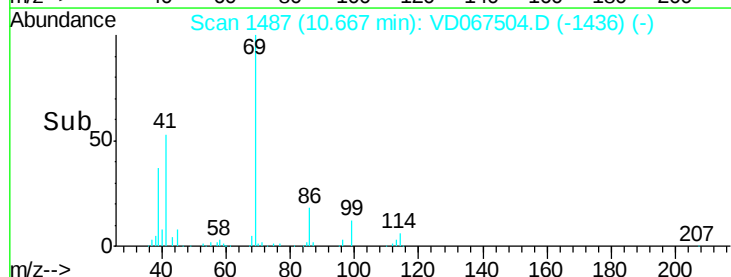
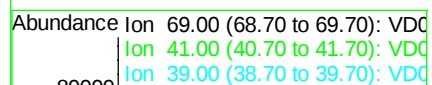
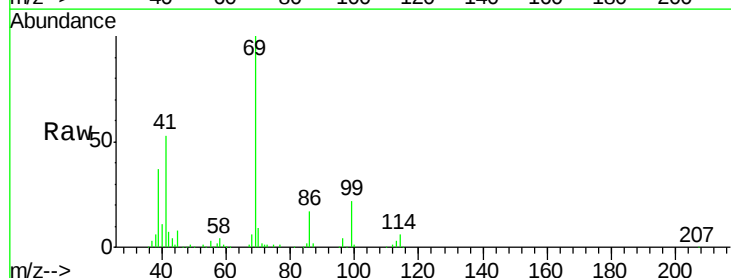
Tgt Ion: 69 Resp: 110864

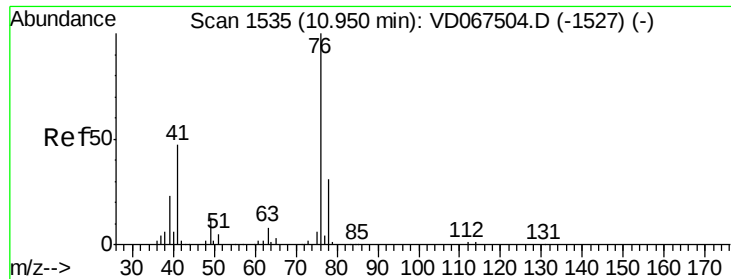
Ion Ratio Lower Upper

69 100

41 56.7 45.4 68.0

39 34.2 27.4 41.0





#57

1,3-Dichloropropane

Concen: 50.581 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 168705

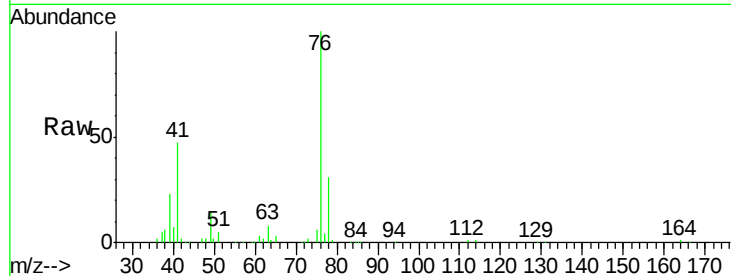
Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1

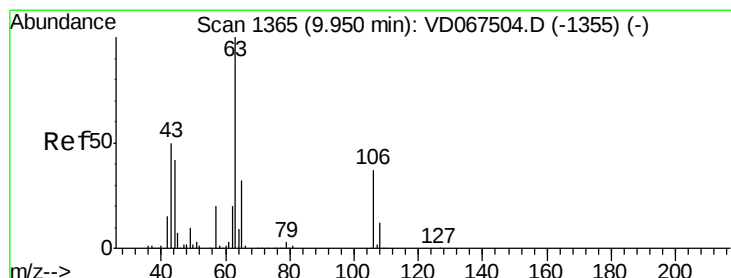
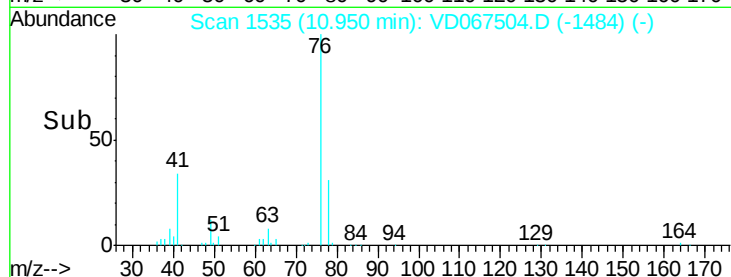
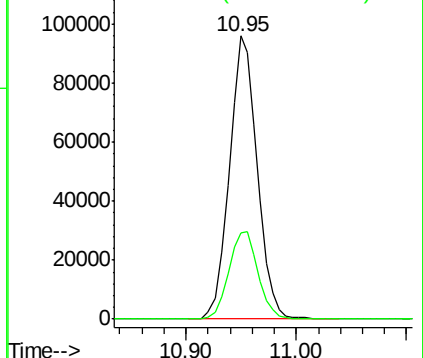
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 265.673 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD067504.D

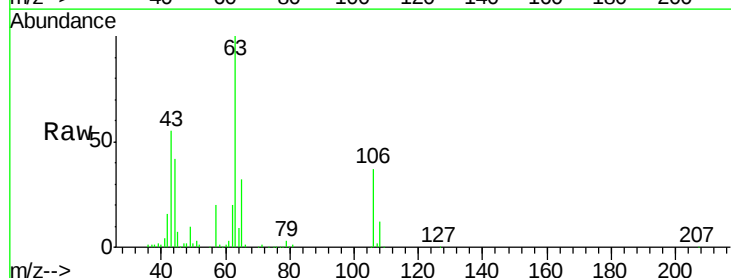
Acq: 03 Nov 2020 11:37

Tgt Ion: 63 Resp: 265177

Ion Ratio Lower Upper

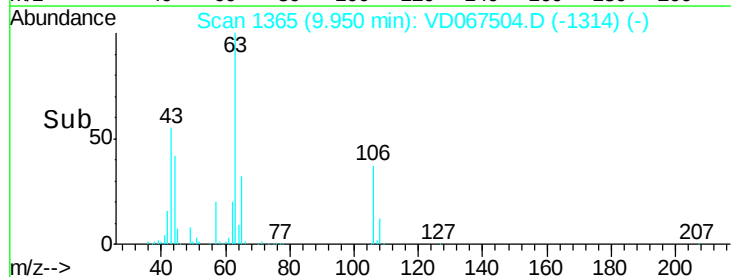
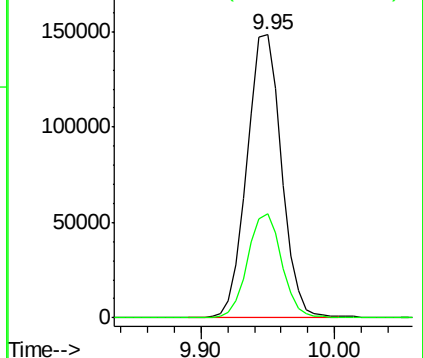
63 100

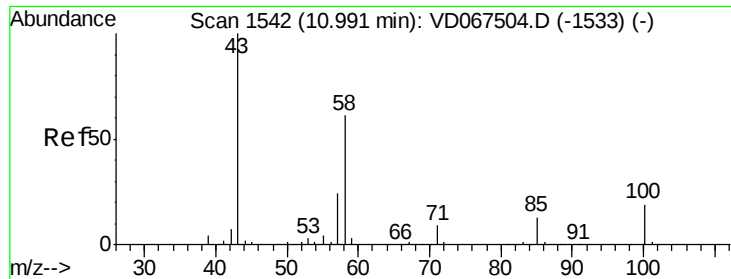
106 36.5 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





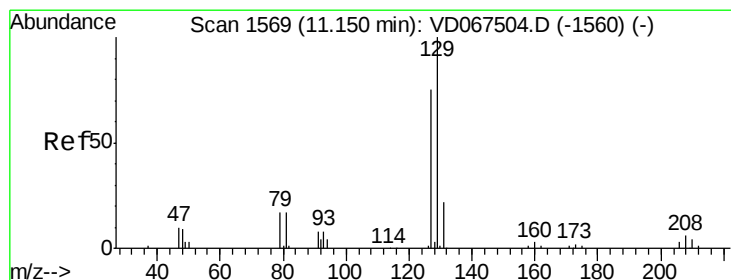
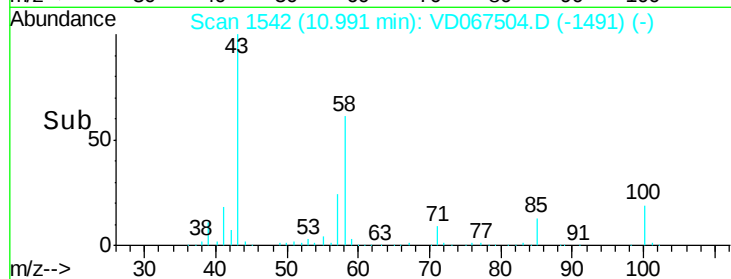
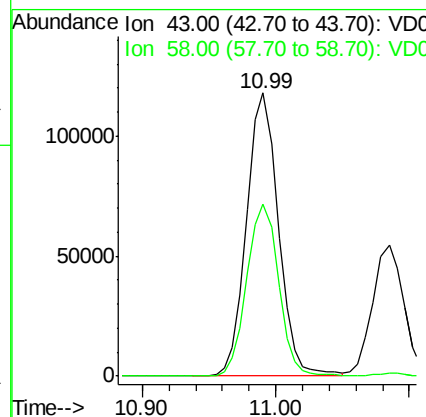
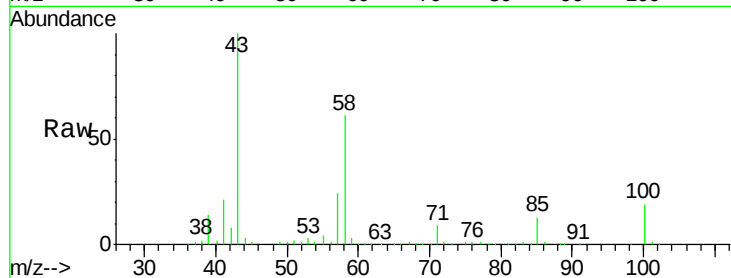
#59
2-Hexanone
Concen: 269.564 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.6	30.3	90.9

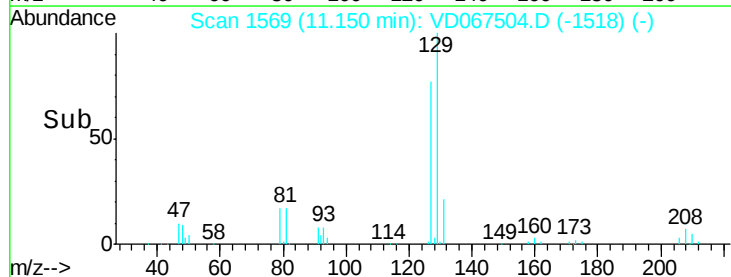
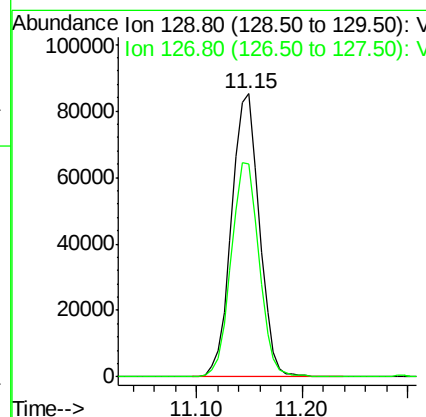
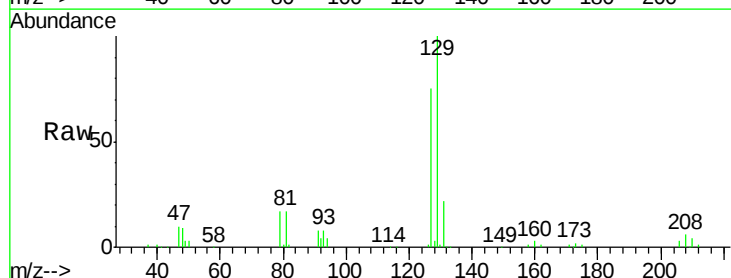
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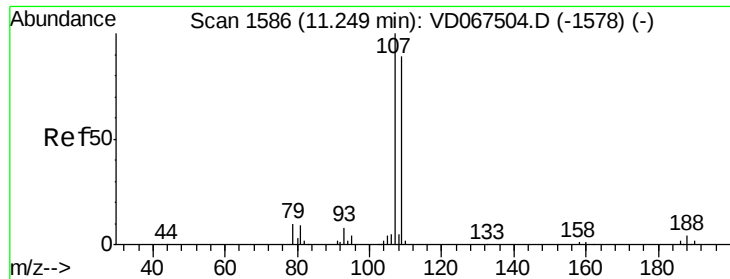
MMDadoda
11/4/2020 10:43:22 AM



#60
Dibromochloromethane
Concen: 50.622 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.0	114.1





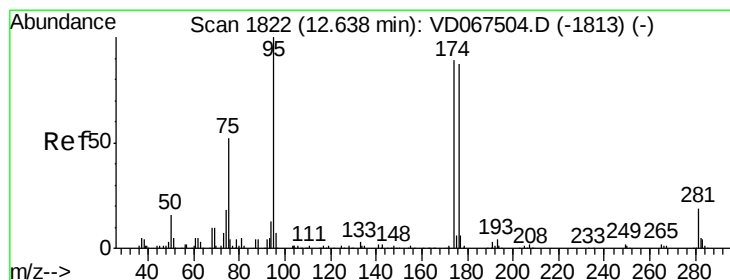
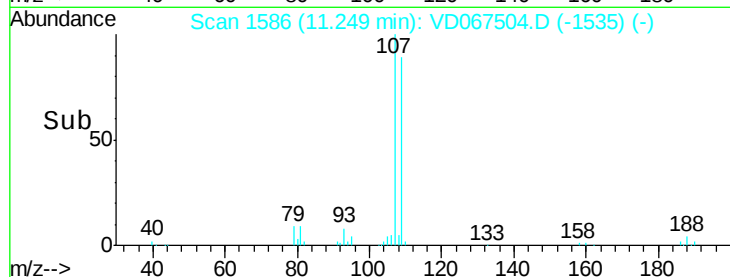
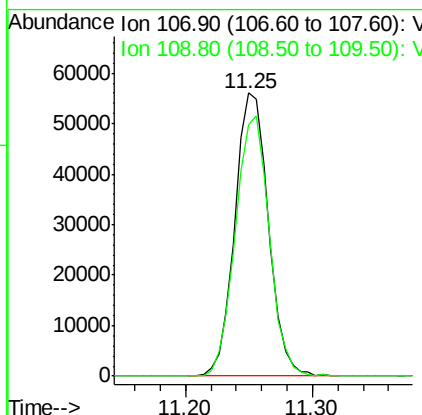
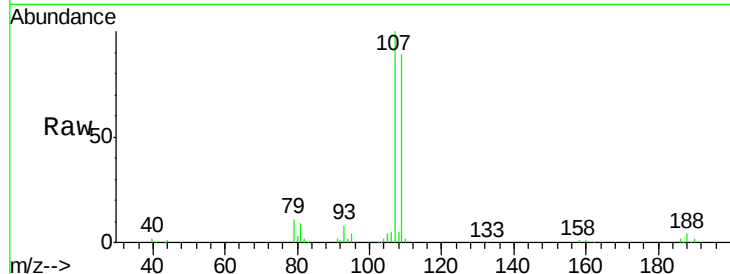
#61
 1,2-Dibromoethane
 Concen: 49.377 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.6	111.8

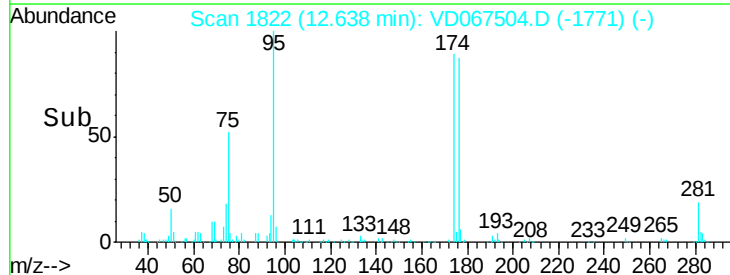
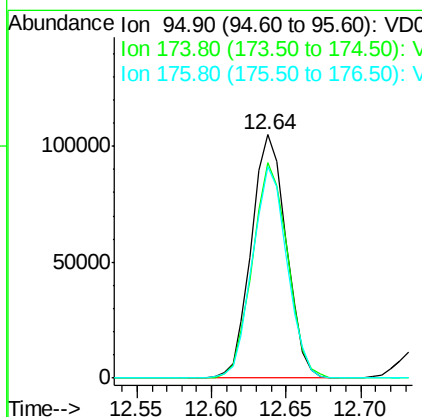
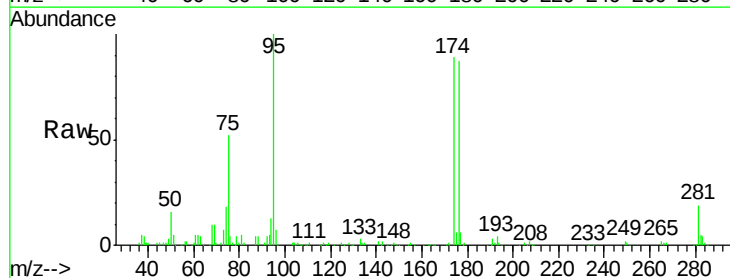
Manual Integrations
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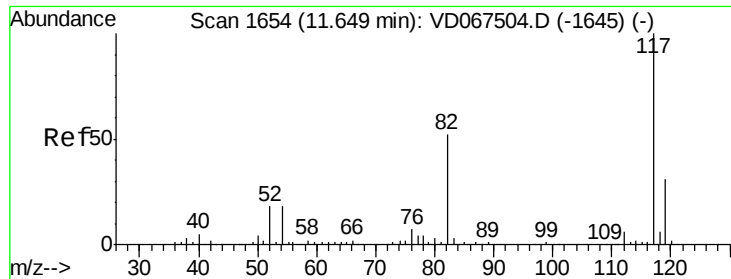
MMDadoda
 11/4/2020 10:43:22 AM



#62
 4-Bromofluorobenzene
 Concen: 47.277 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	177.8
176	86.0	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: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

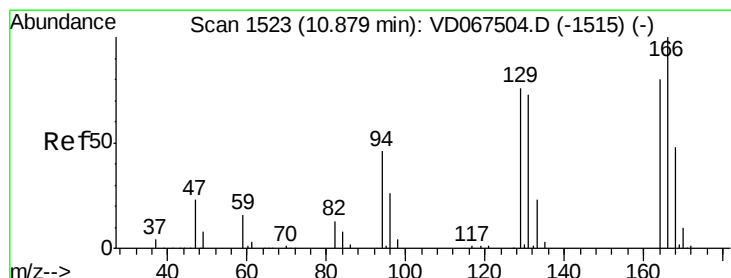
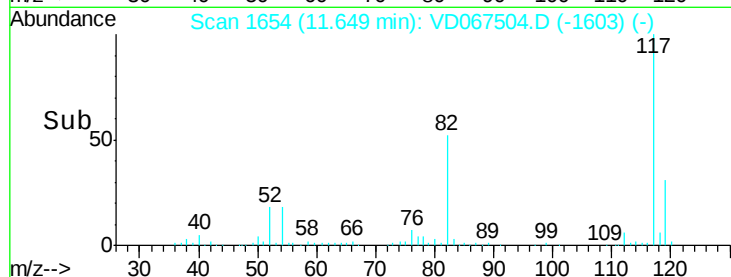
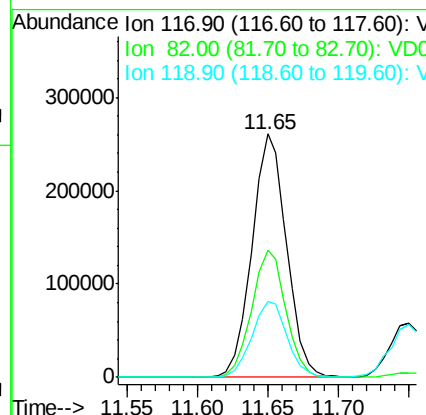
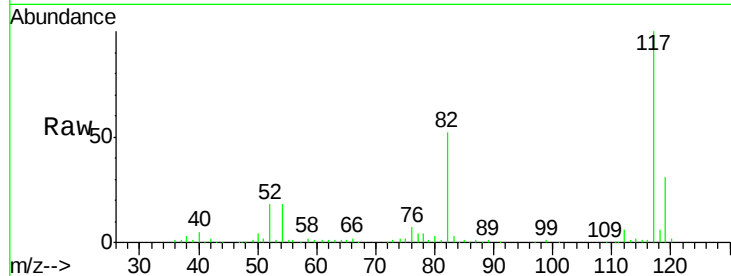
ClientSampleId :

VSTDICCC050

Tot Ion:	117	Resp:	446968
Ion Ratio	Lower	Upper	
117	100		
82	52.0	41.6	62.4
119	31.4	25.1	37.7

Manual Integrations
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#64

Tetrachloroethene

Concen: 49.184 ug/l

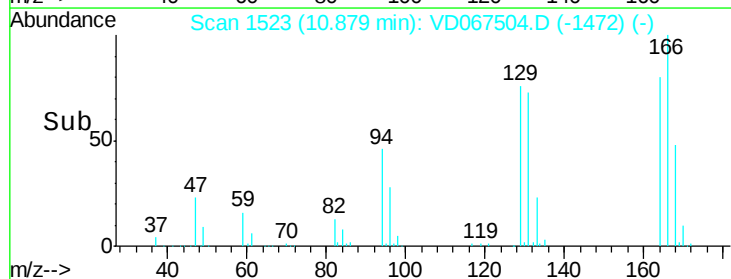
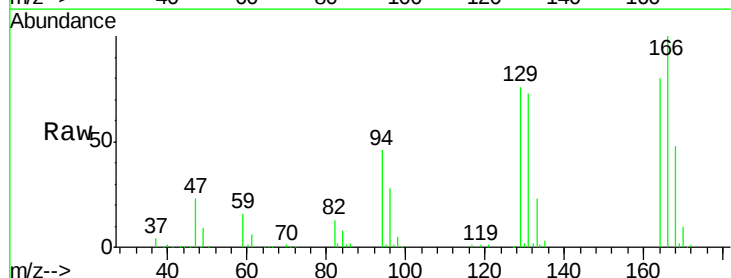
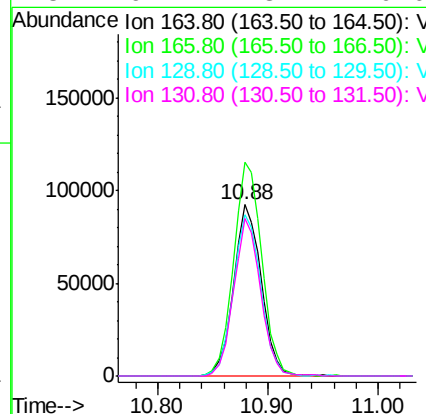
RT: 10.88 min Scan# 1523

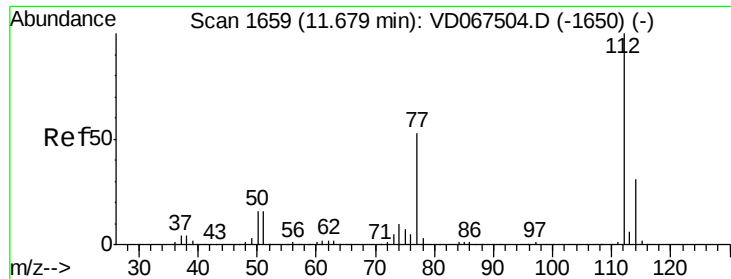
Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Tgt Ion:	164	Resp:	162810
Ion Ratio	Lower	Upper	
164	100		
166	124.9	99.9	149.9
129	94.4	75.5	113.3
131	91.7	73.4	110.0





#65

Chlorobenzene

Concen: 49.437 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 425647

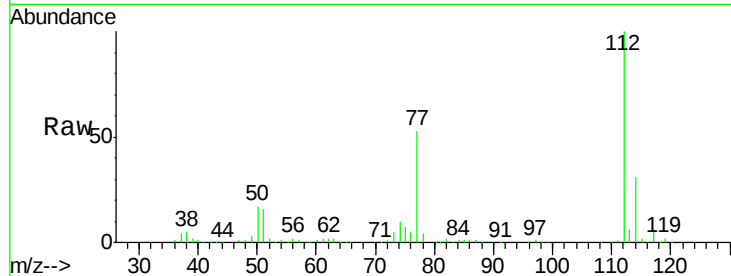
Ion Ratio Lower Upper

112 100

114 31.1 24.9 37.3

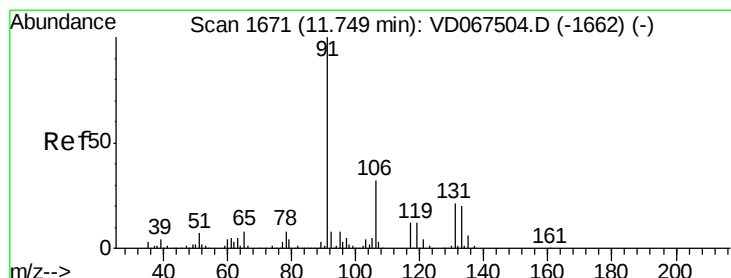
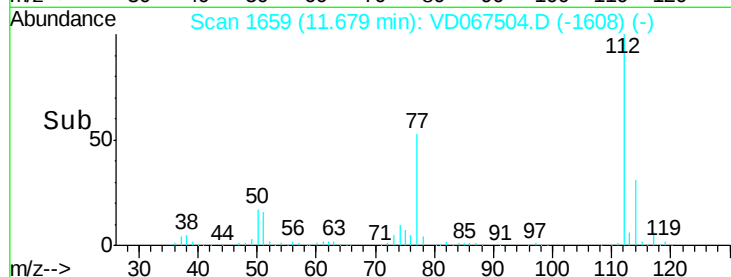
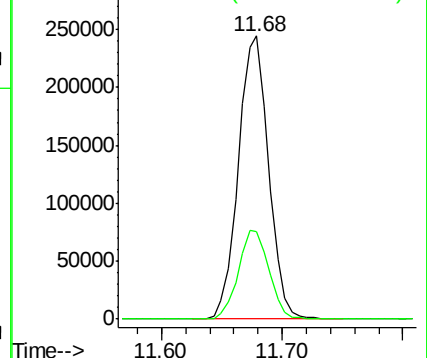
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.211 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

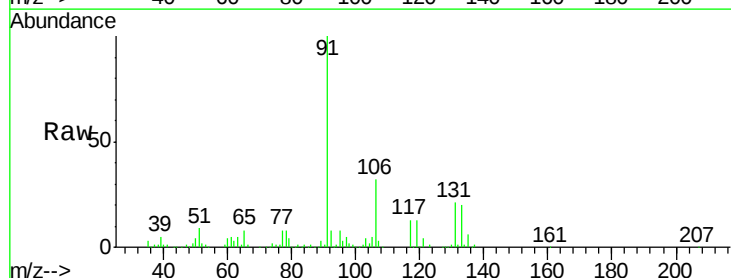
Tgt Ion:131 Resp: 166992

Ion Ratio Lower Upper

131 100

133 96.0 48.0 144.0

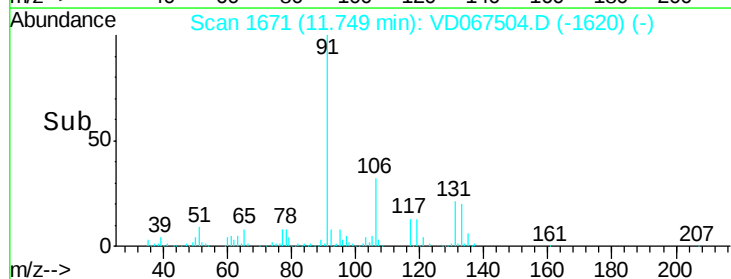
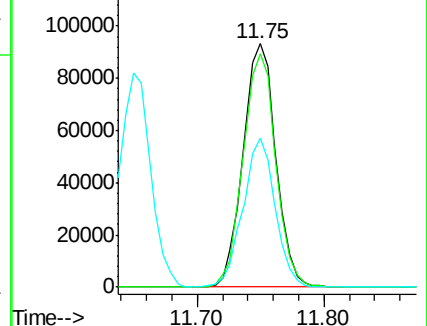
119 60.3 30.1 90.5

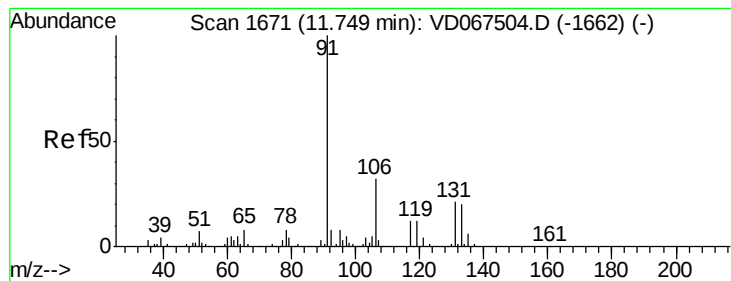


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.010 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 751532

Ion Ratio Lower Upper

91 100

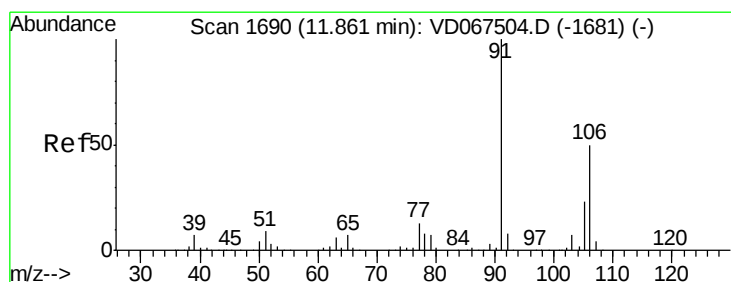
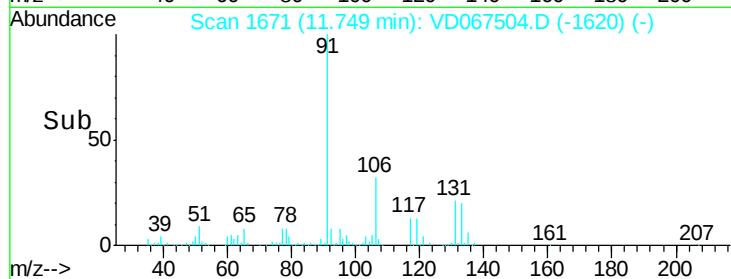
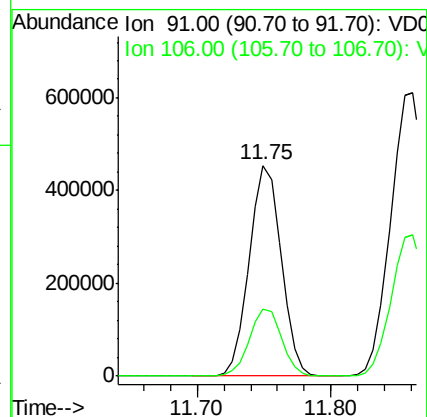
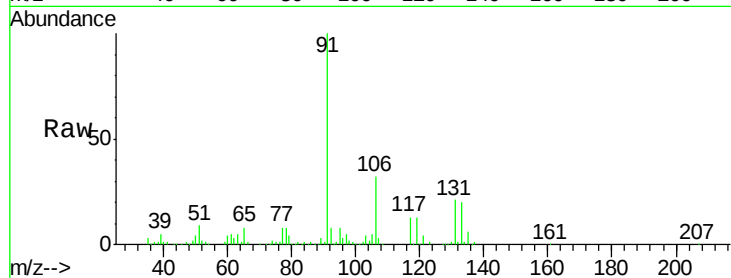
106 32.1 25.7 38.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 101.725 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD067504.D

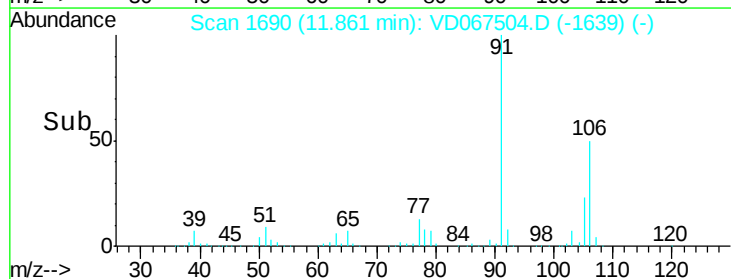
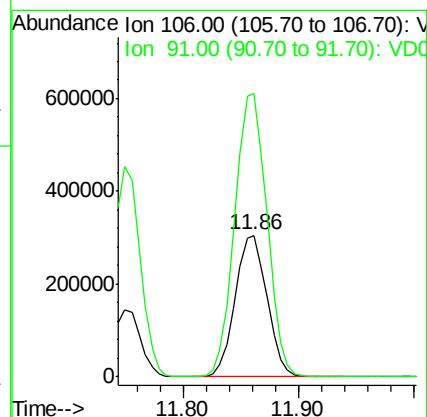
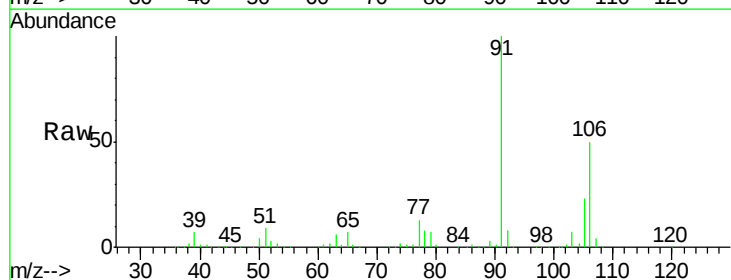
Acq: 03 Nov 2020 11:37

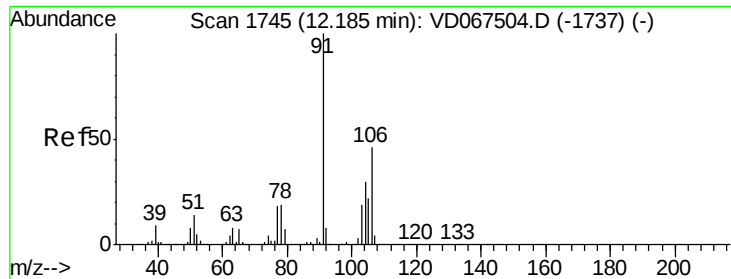
Tgt Ion: 106 Resp: 583068

Ion Ratio Lower Upper

106 100

91 203.3 162.6 244.0





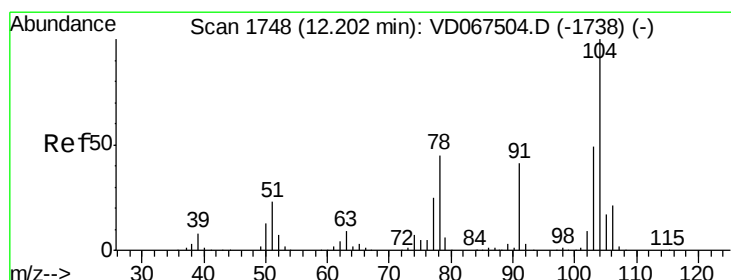
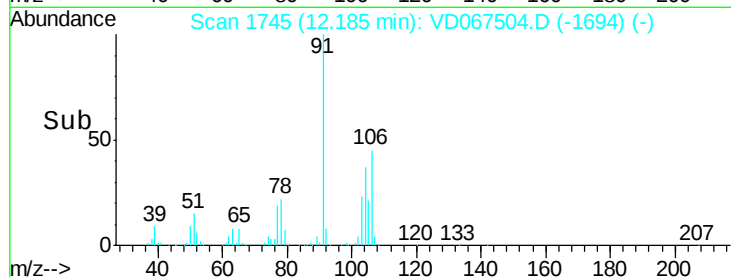
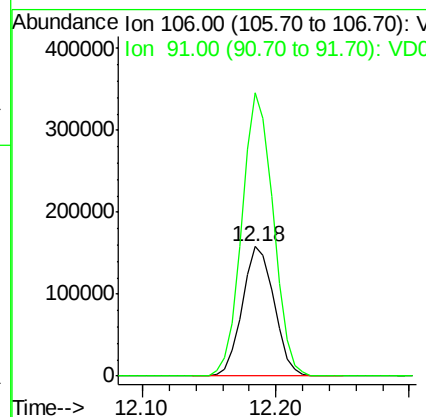
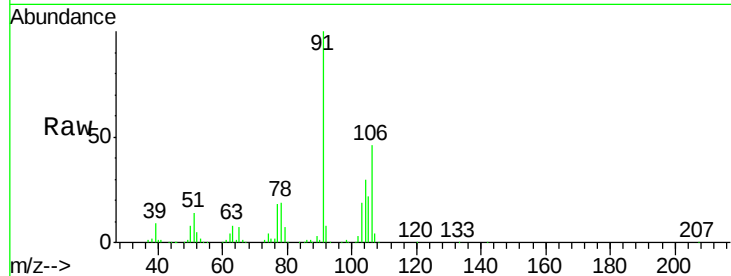
#69
o-Xylene
Concen: 51.109 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 261549
Ion Ratio Lower Upper
106 100
91 214.1 107.1 321.1

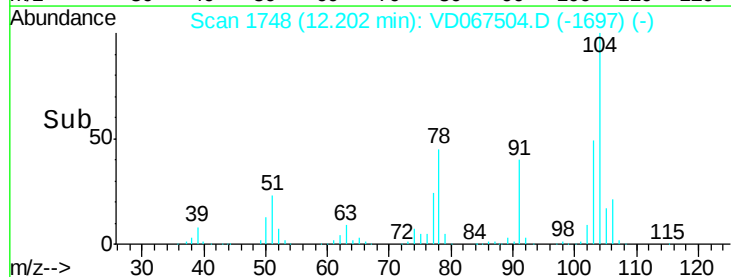
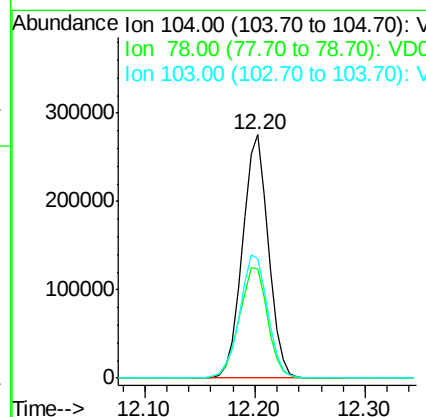
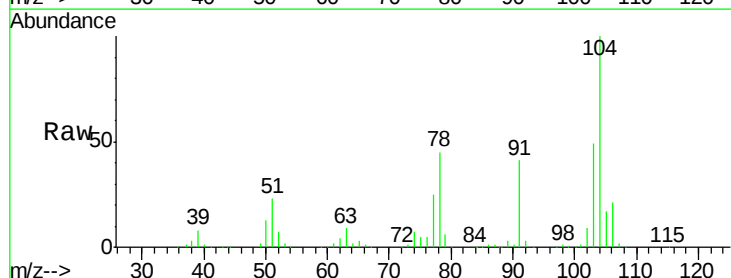
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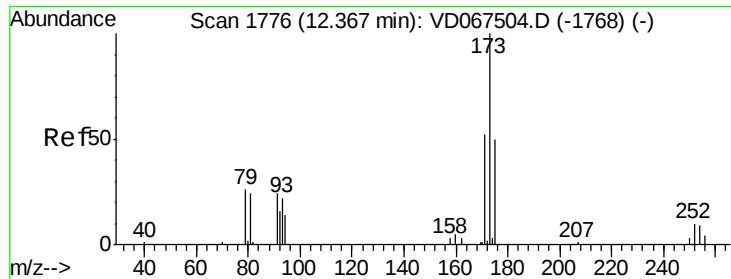
MMDadoda
11/4/2020 10:43:22 AM



#70
Styrene
Concen: 51.001 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion:104 Resp: 454791
Ion Ratio Lower Upper
104 100
78 49.8 39.8 59.8
103 54.9 43.9 65.9





#71

Bromoform

Concen: 49.612 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 85862

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.2

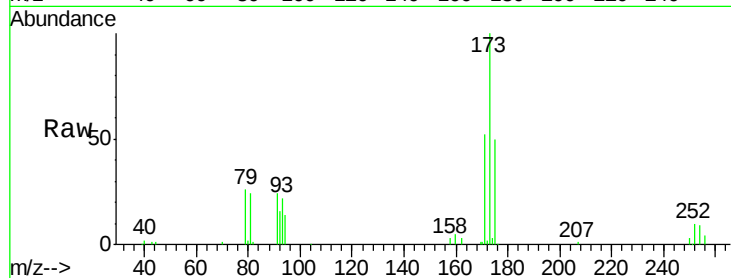
254 0.0 0.0 0.0

Manual Integrations

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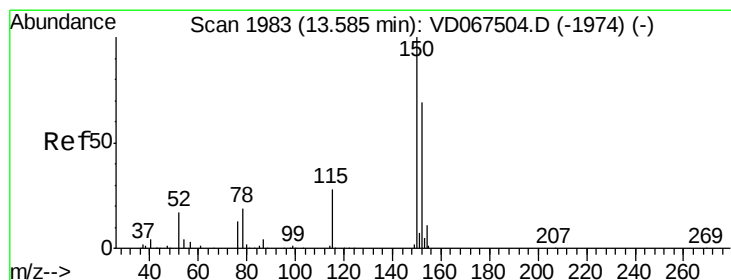
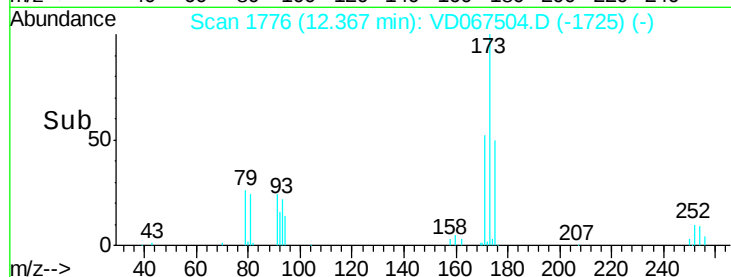
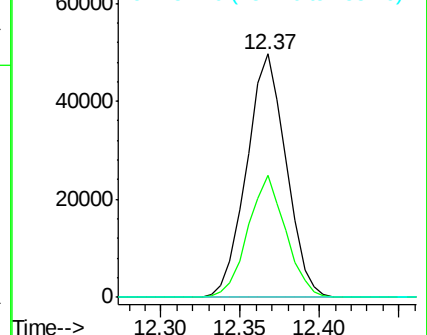
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

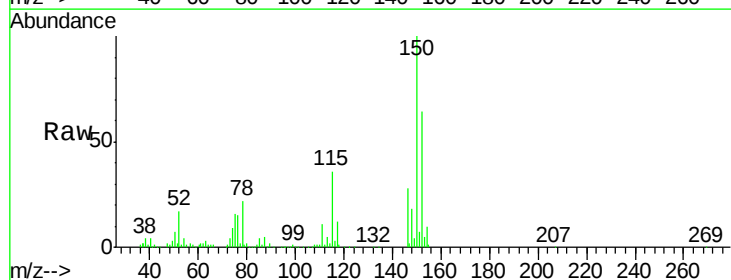
Tgt Ion:152 Resp: 223360

Ion Ratio Lower Upper

152 100

115 58.7 29.3 88.0

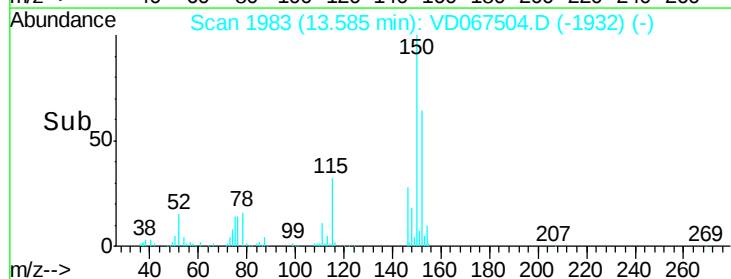
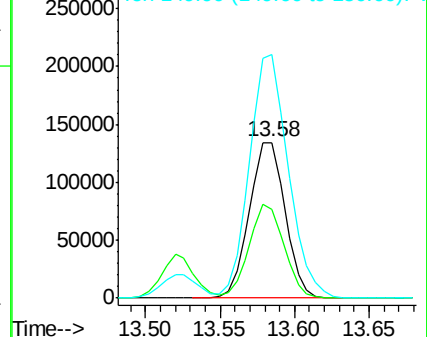
150 169.1 0.0 338.2

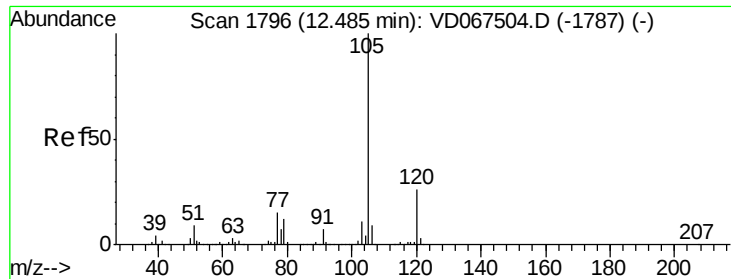


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.552 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 758614

Ion Ratio Lower Upper

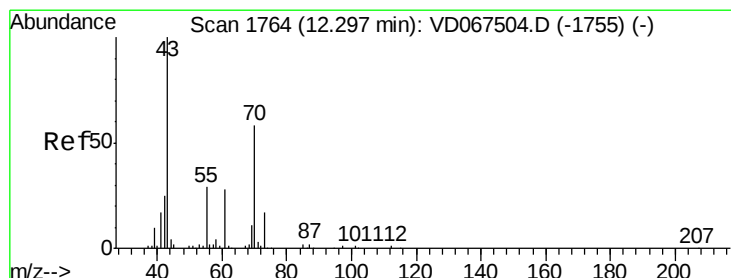
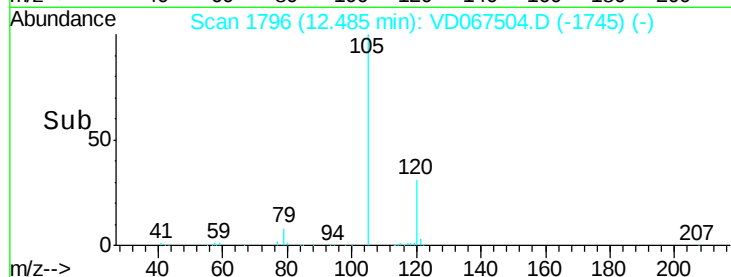
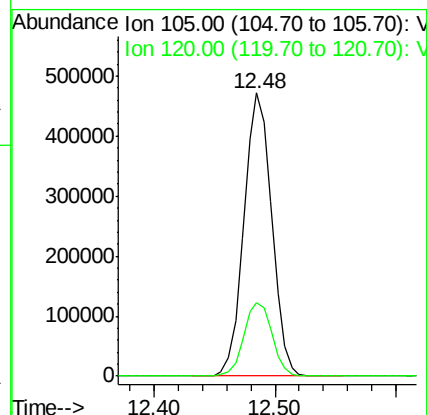
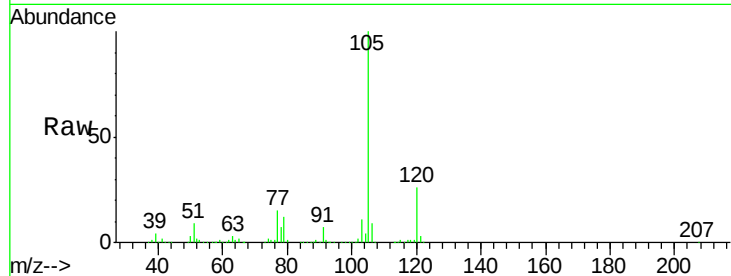
105 100

120 26.4 13.2 39.6

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#74

N-ethyl acetate

Concen: 51.648 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Tgt Ion: 43 Resp: 98103

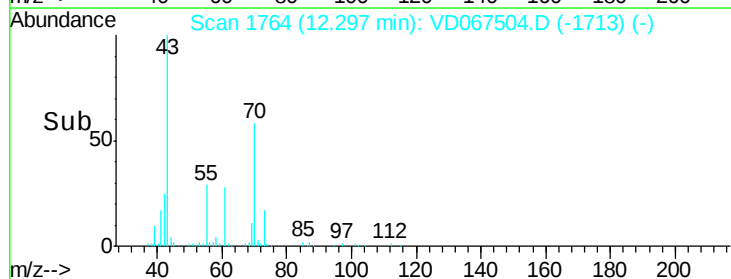
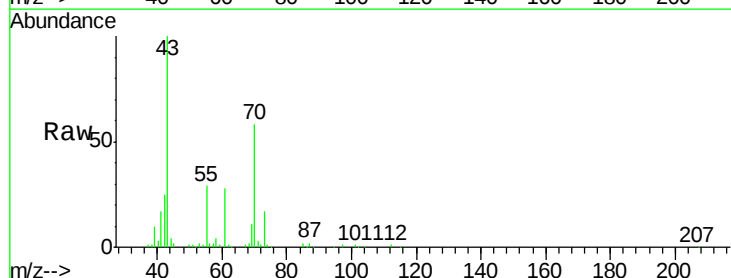
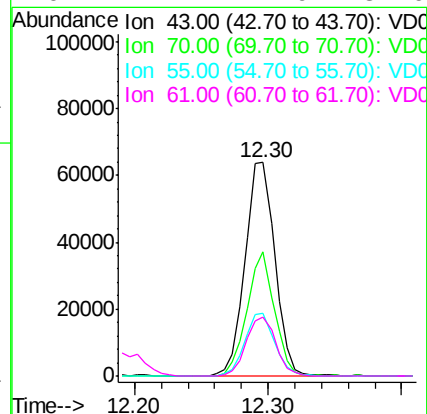
Ion Ratio Lower Upper

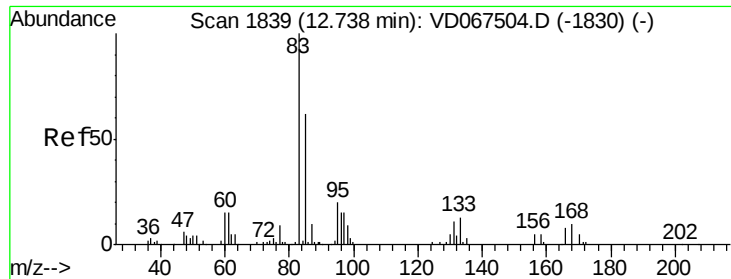
43 100

70 53.3 42.6 64.0

55 29.6 23.7 35.5

61 27.4 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.268 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

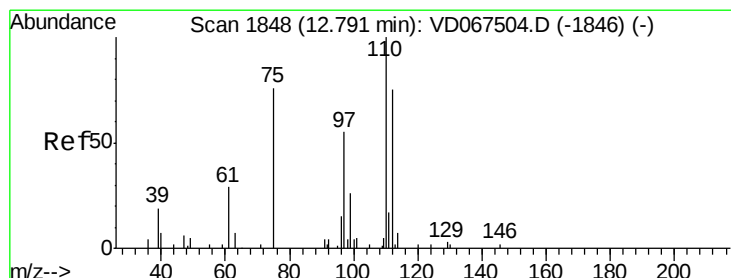
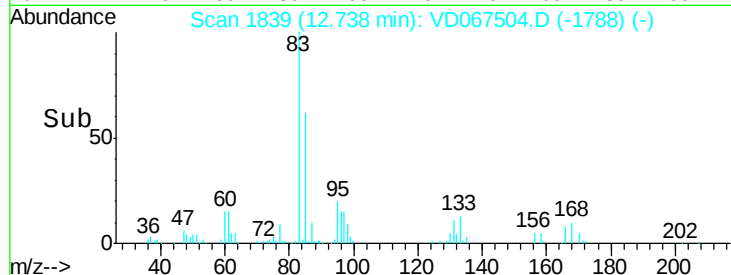
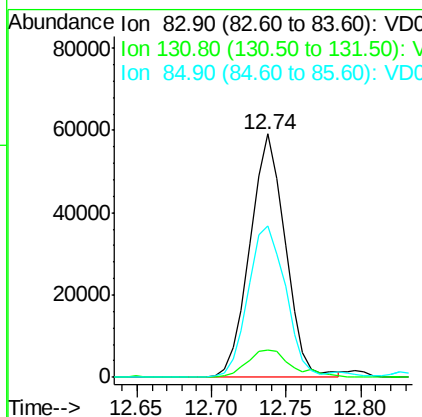
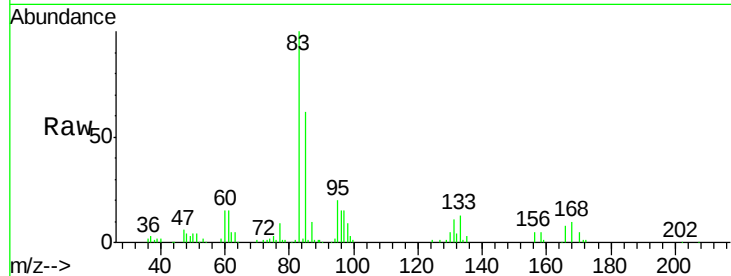
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	96980
Ion Ratio	Lower	Upper	
83	100		
131	14.2	7.1	21.3
85	65.8	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.639 ug/l m

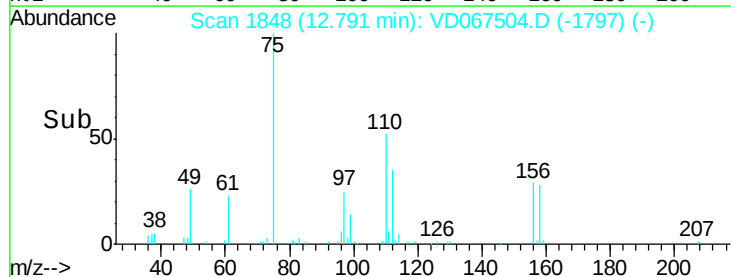
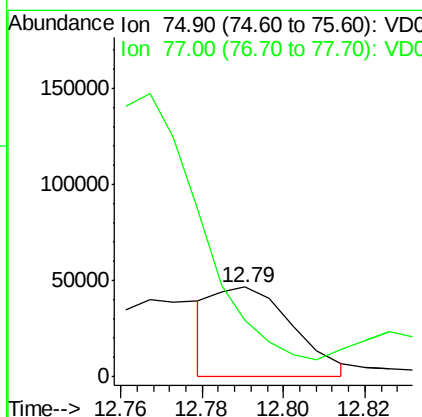
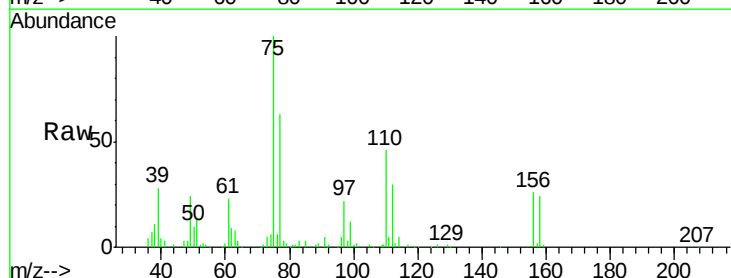
RT: 12.79 min Scan# 1848

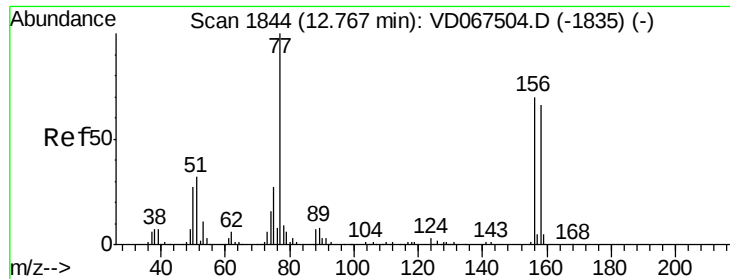
Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Tgt Ion:	75	Resp:	62876
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.387 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

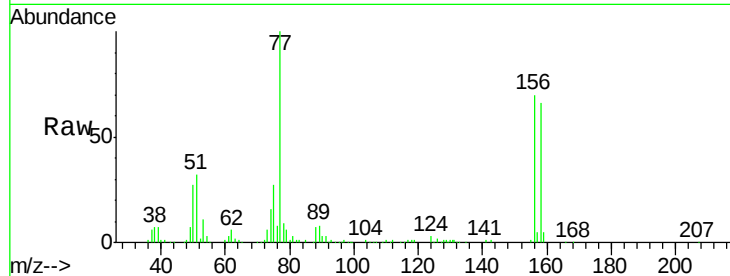
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.7	77.8	233.5
158	95.8	47.9	143.7

Manual Integrations
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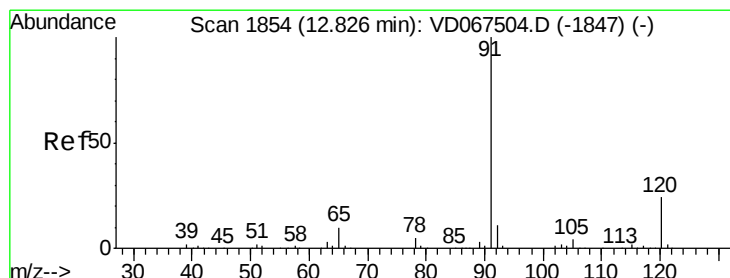
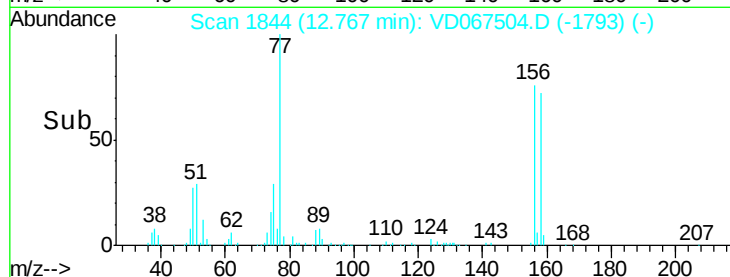
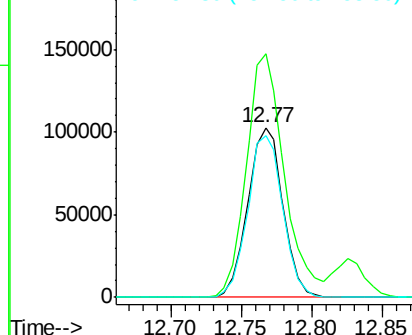
MMDadoda
11/4/2020 10:43:22 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.266 ug/l

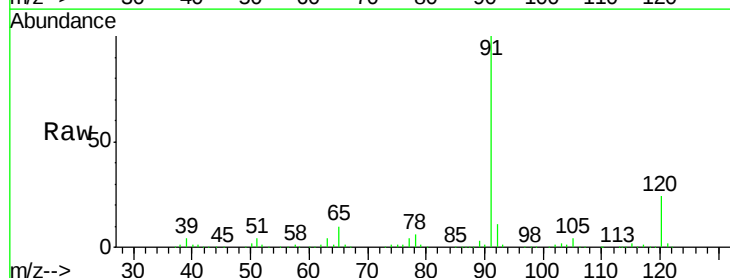
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067504.D

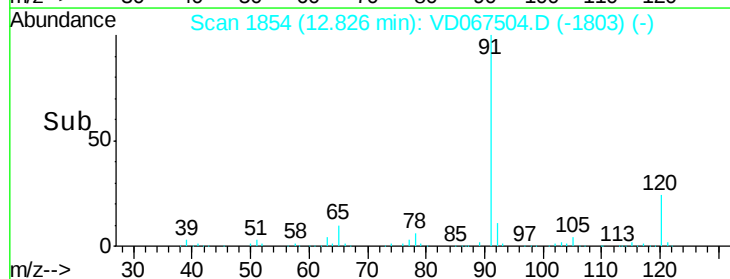
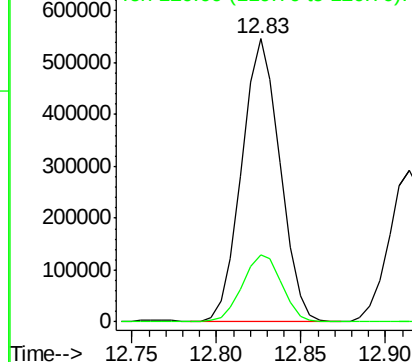
Acq: 03 Nov 2020 11:37

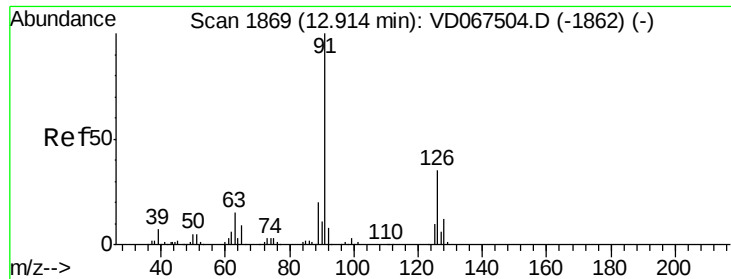
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.2	36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





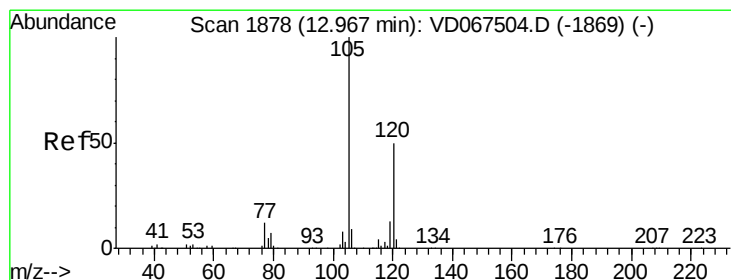
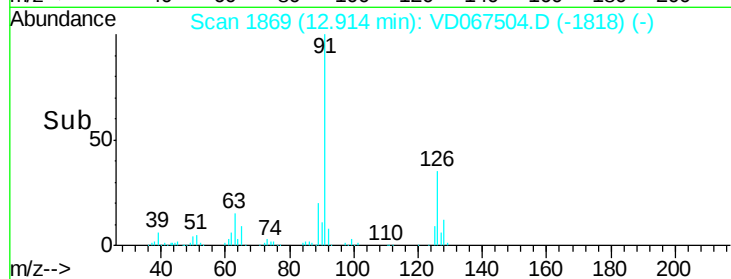
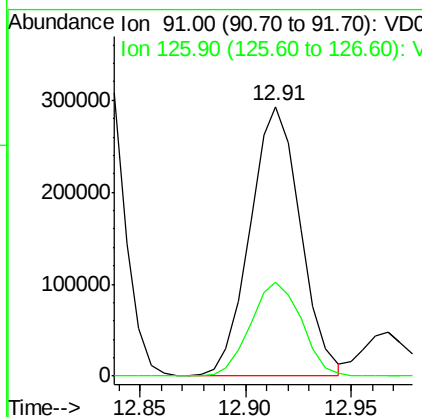
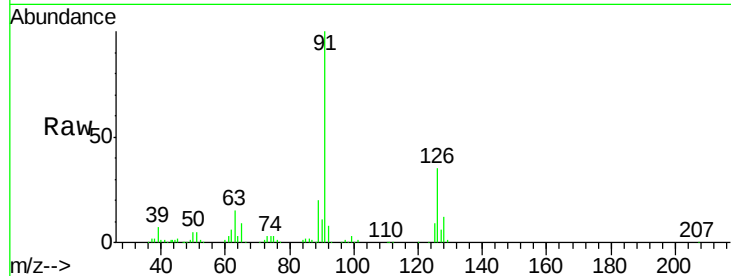
#79
 2-Chlorotoluene
 Concen: 51.557 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.4

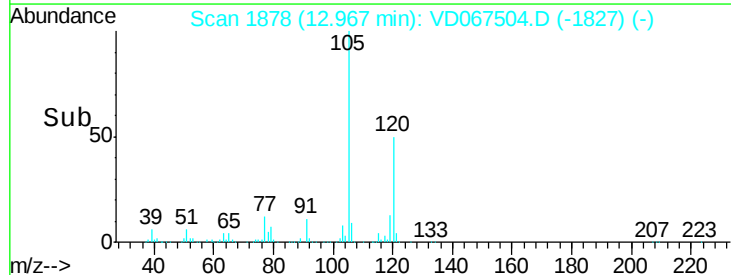
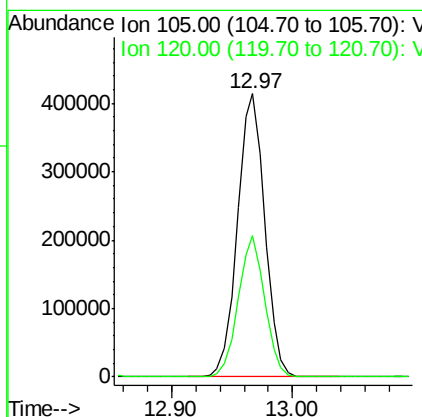
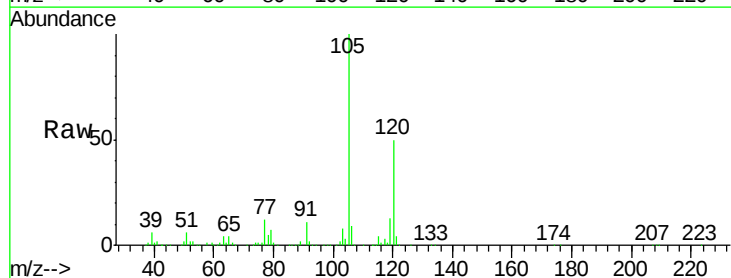
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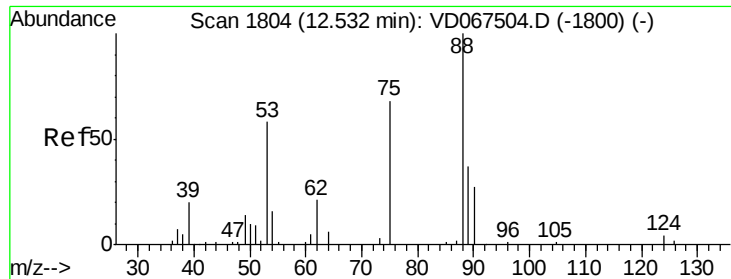
MMDadoda
 11/4/2020 10:43:22 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.806 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.3	72.8





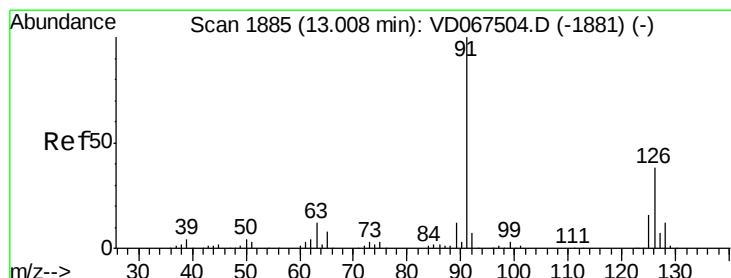
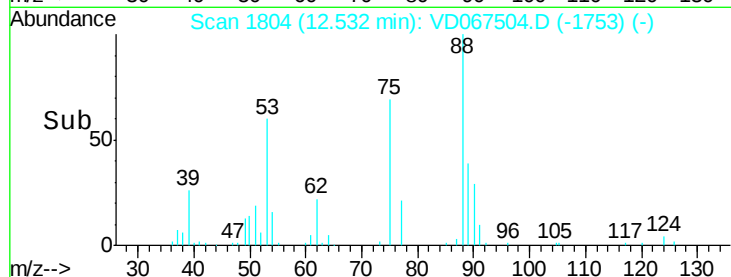
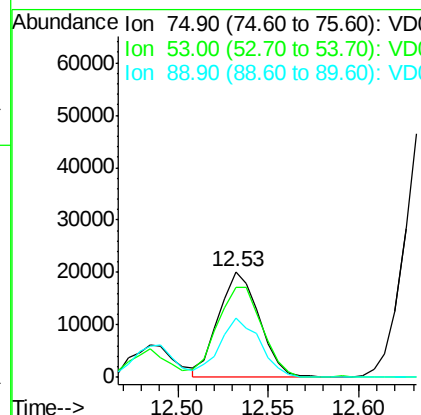
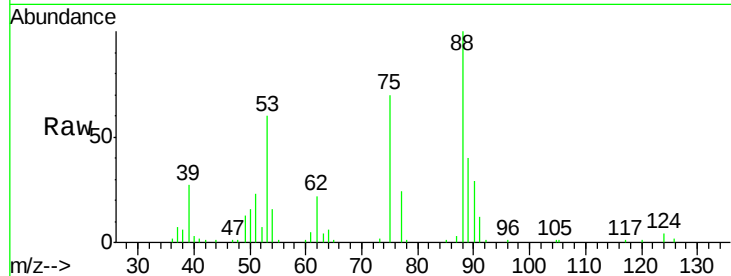
#81
trans-1,4-Dichloro-2-butene
Concen: 47.633 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.9	75.9	113.9
89	55.8	44.6	67.0

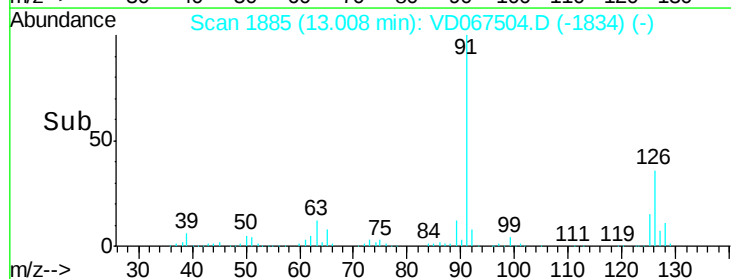
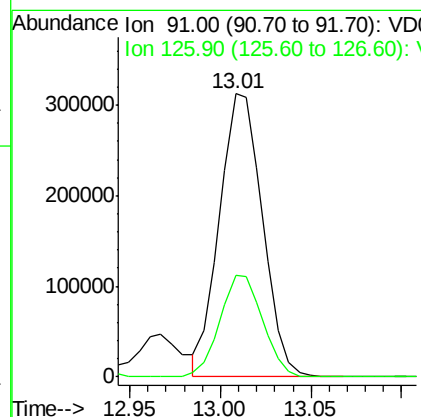
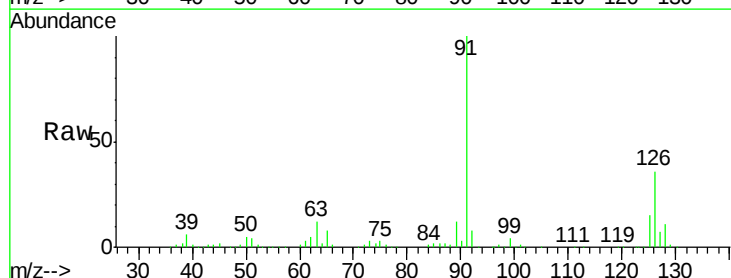
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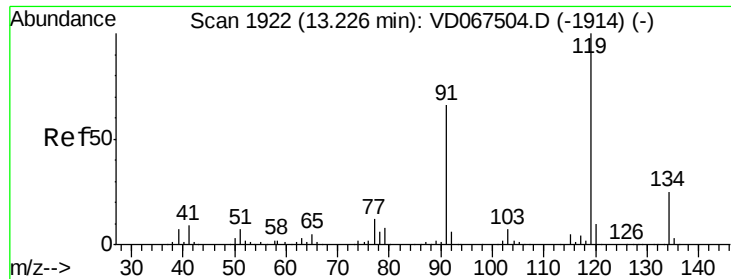
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.055 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.7





#83

tert-Butylbenzene

Concen: 52.781 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

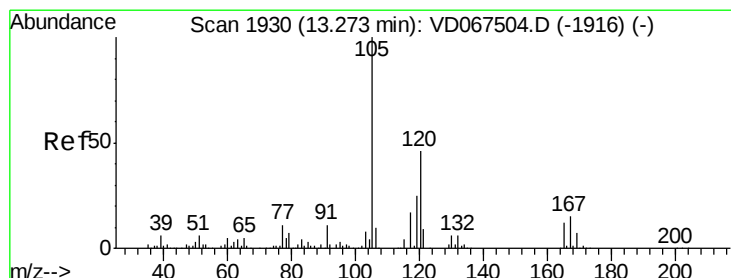
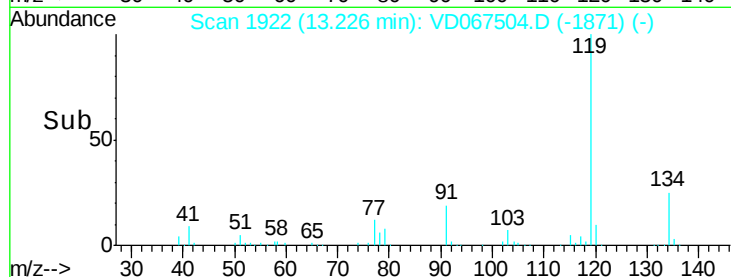
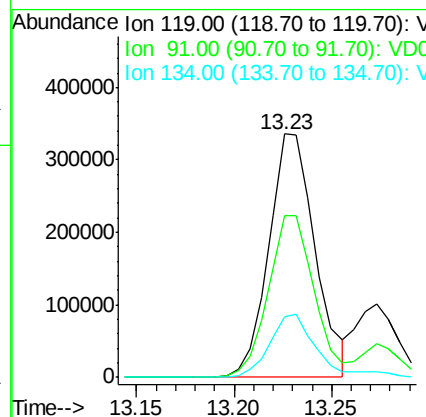
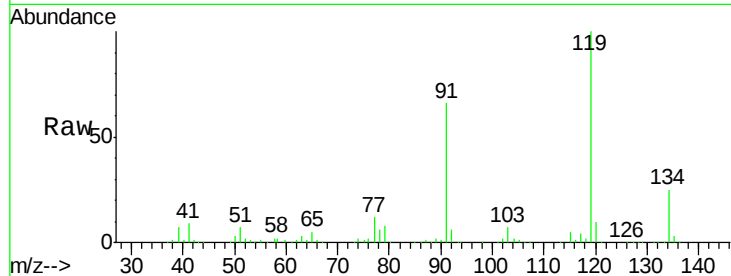
ClientSampleId :

VSTDICCC050

Tot Ion:	119	Resp:	551611
Ion Ratio	Lower	Upper	
119	100		
91	65.4	32.7	98.1
134	26.8	13.4	40.2

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 52.746 ug/l

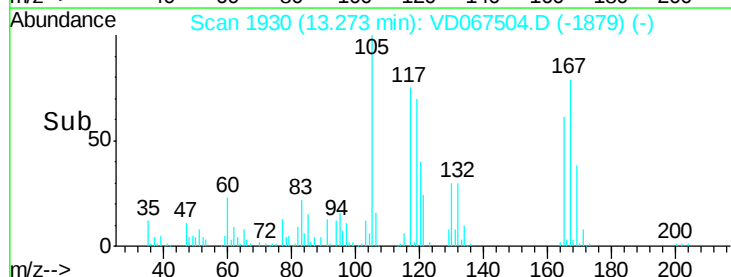
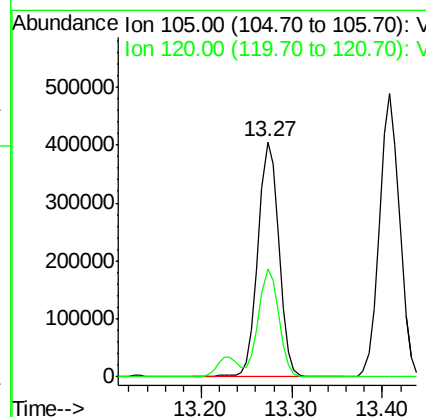
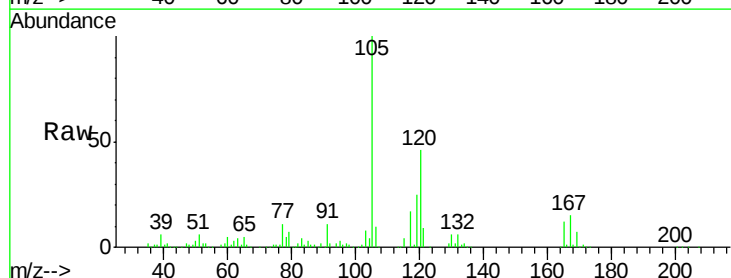
RT: 13.27 min Scan# 1930

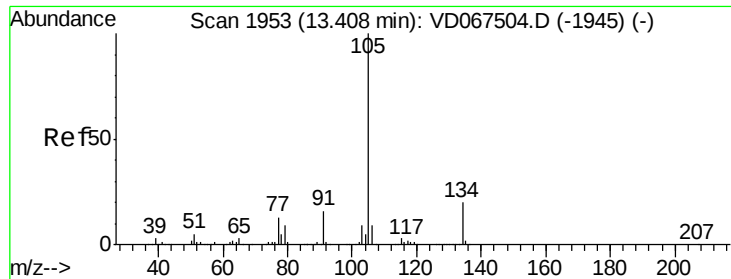
Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Tgt Ion:	105	Resp:	647452
Ion Ratio	Lower	Upper	
105	100		
120	44.1	22.1	66.1





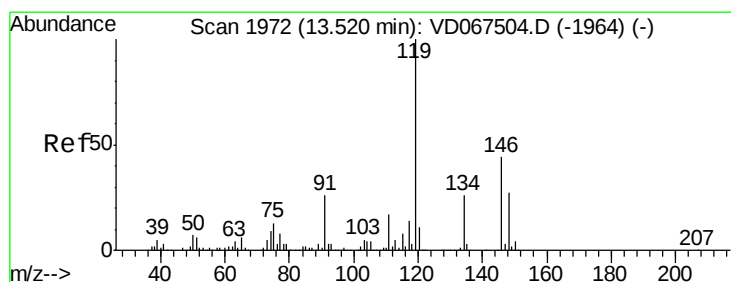
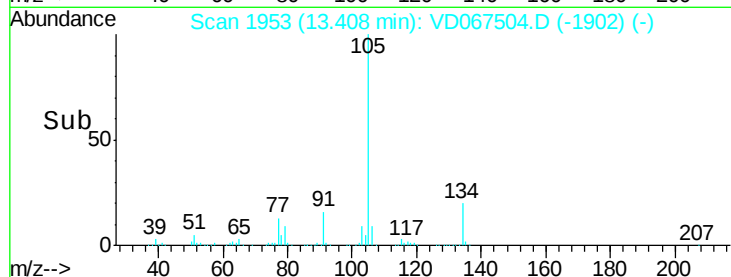
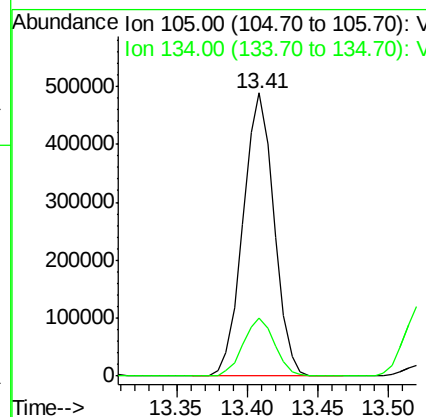
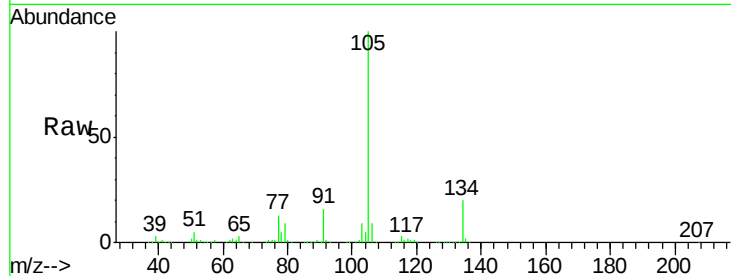
#85
 sec-Butylbenzene
 Concen: 53.248 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.4

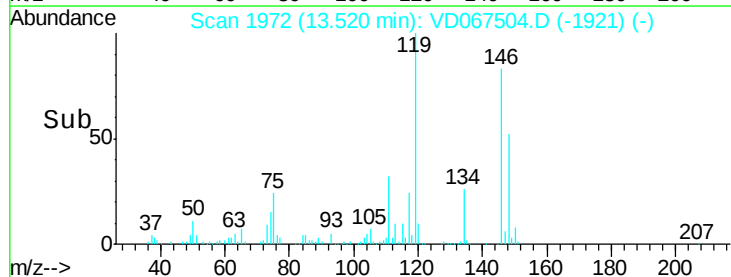
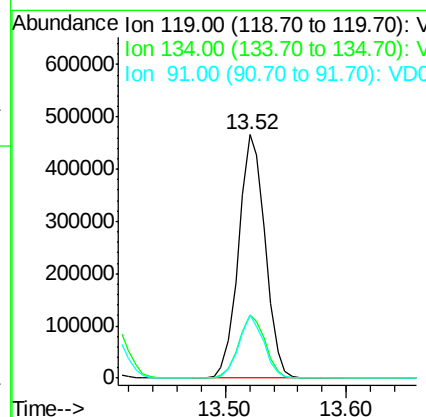
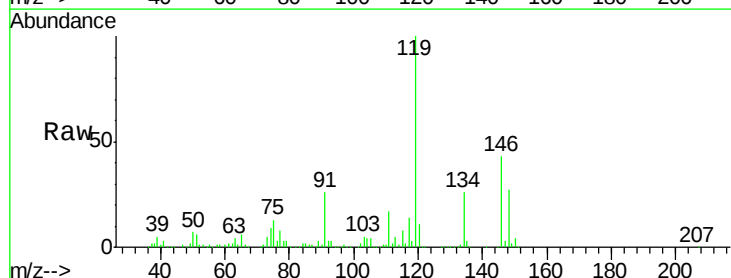
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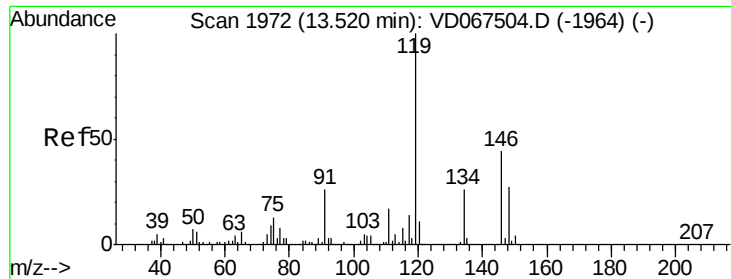
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 11/4/2020 10:43:22 AM



#86
 p-Isopropyltoluene
 Concen: 52.300 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.3
91	24.3	12.2	36.4





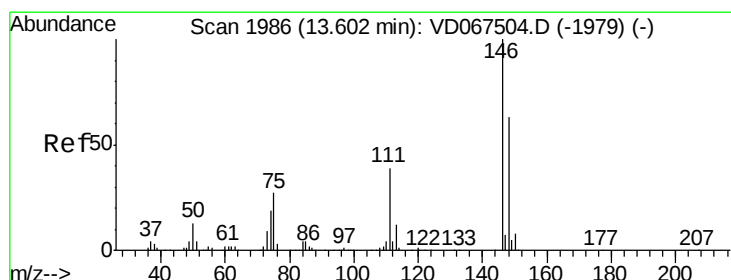
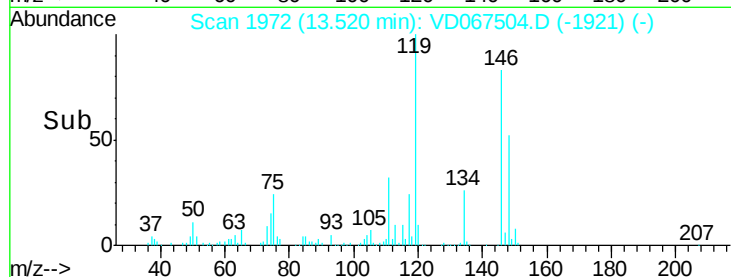
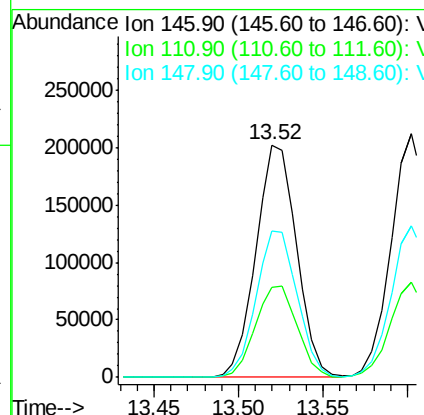
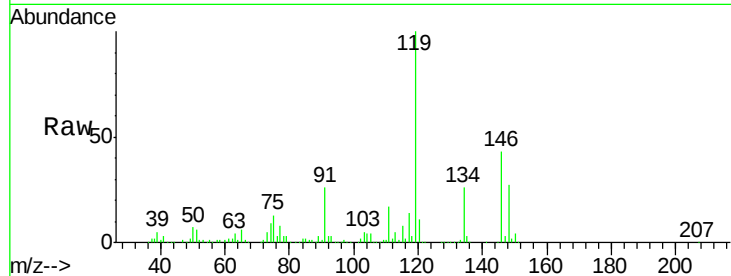
#87
 1,3-Dichlorobenzene
 Concen: 50.139 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	63.9	31.9	95.9

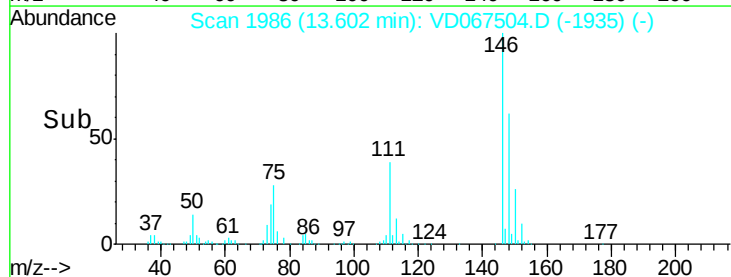
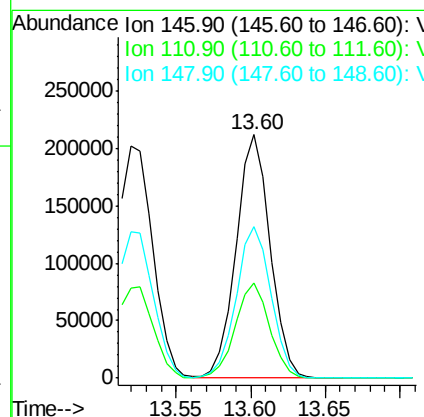
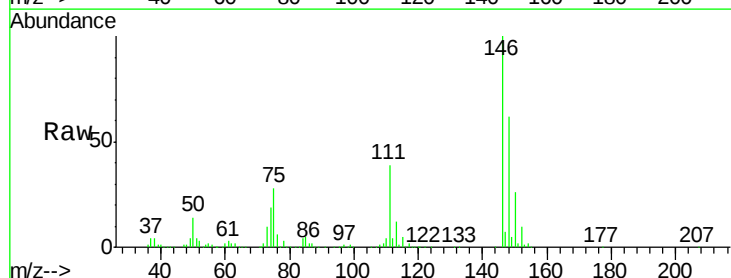
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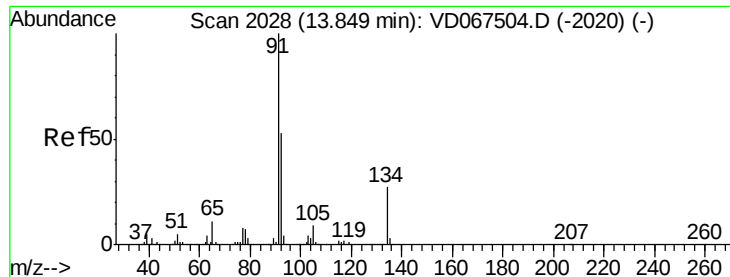
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 11/4/2020 10:43:22 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.258 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	63.6	31.8	95.4





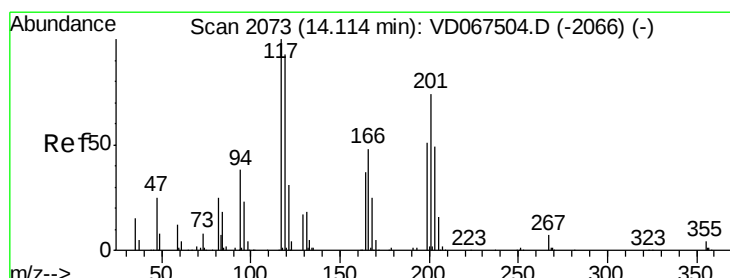
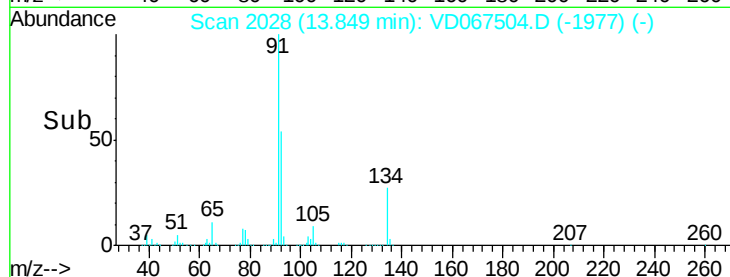
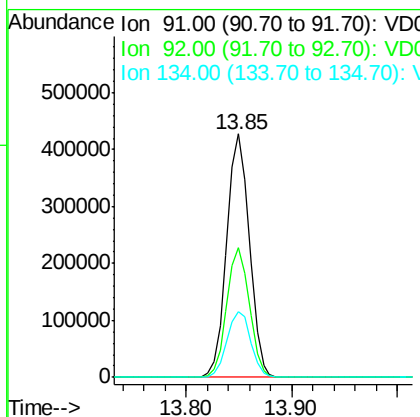
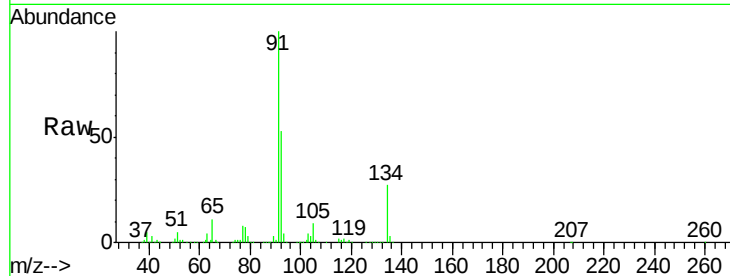
#89
n-Butylbenzene
Concen: 53.856 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.8
134	28.1	14.1	42.2

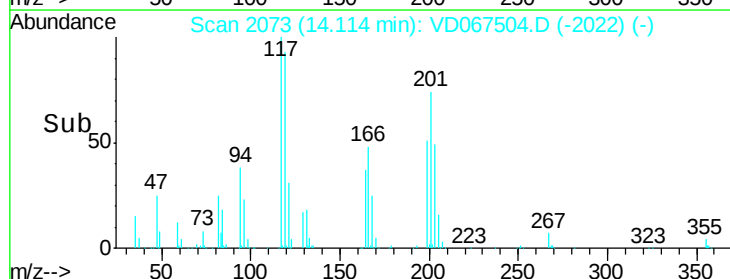
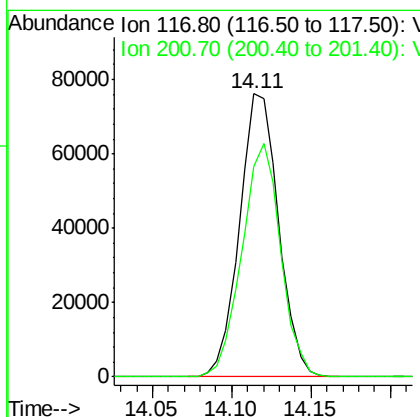
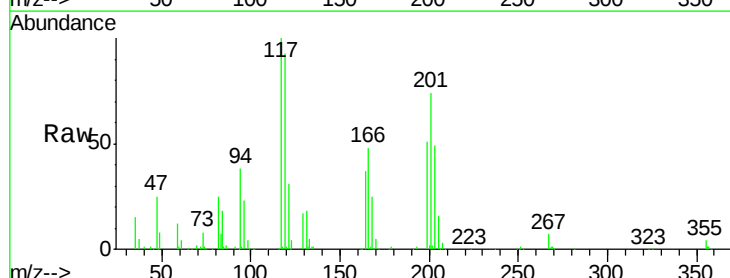
Manual Integrations
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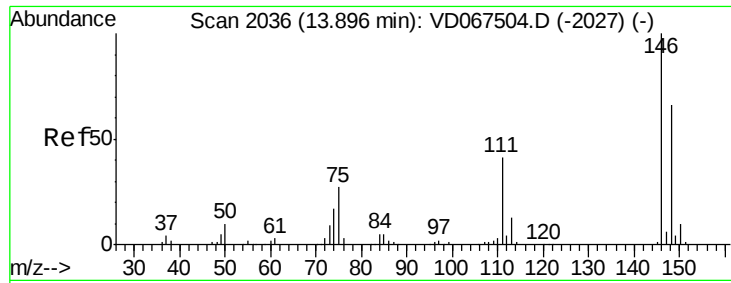
MMDadoda
11/4/2020 10:43:22 AM



#90
Hexachloroethane
Concen: 50.866 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	40.7	122.1





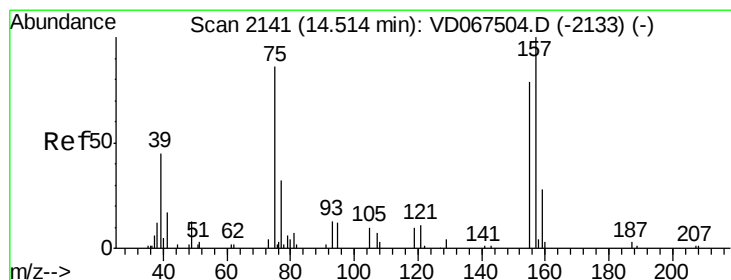
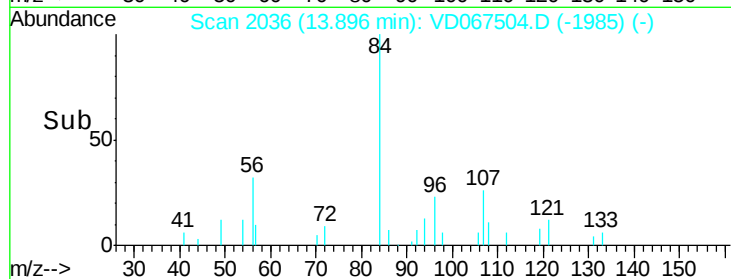
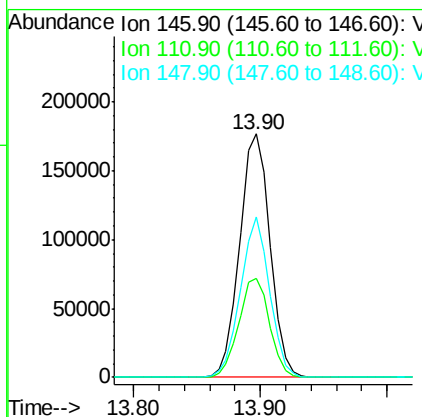
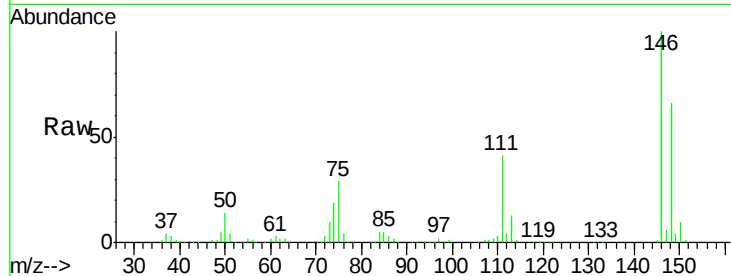
#91
 1,2-Dichlorobenzene
 Concen: 50.137 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.0	31.5	94.5

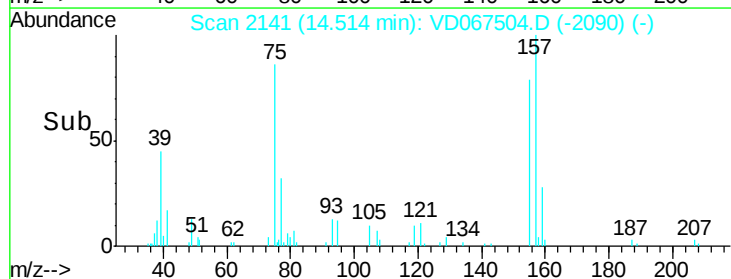
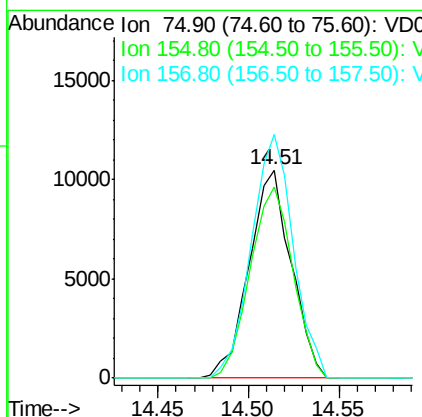
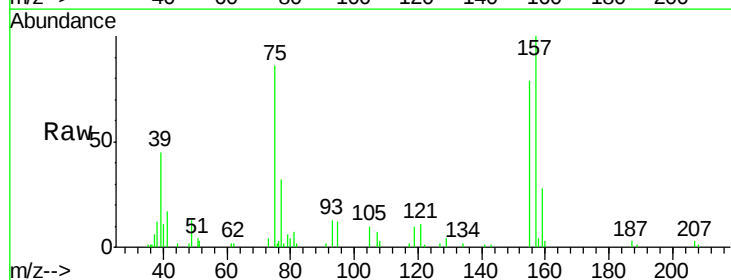
Manual Integrations
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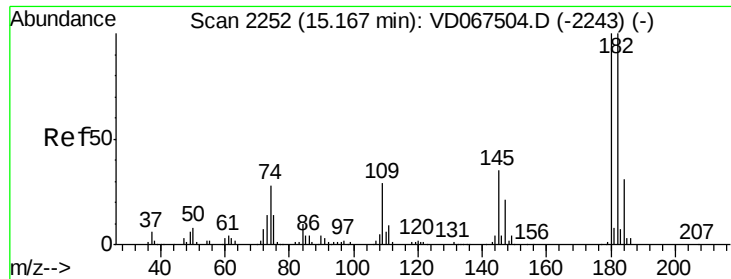
MMDadoda
 11/4/2020 10:43:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.801 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	46.6	139.8
157	116.1	58.1	174.2





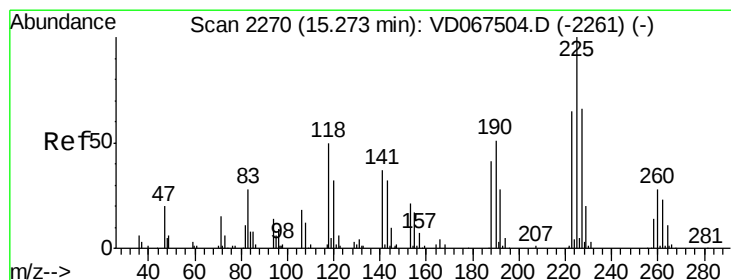
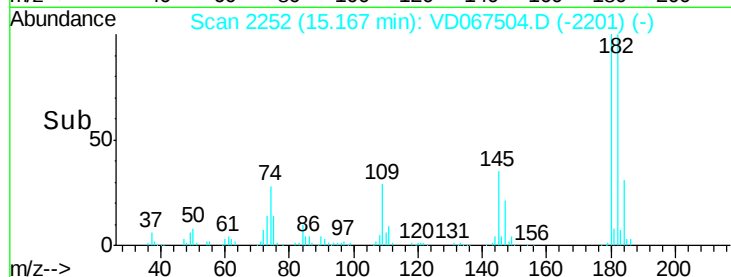
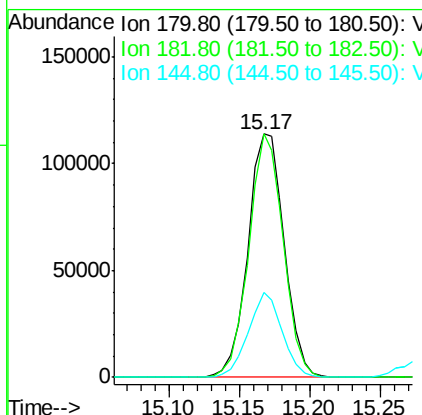
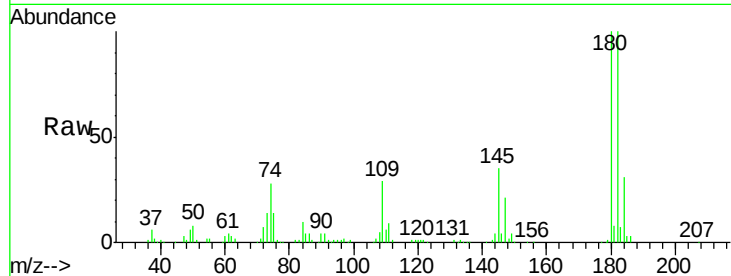
#93
1,2,4-Trichlorobenzene
Concen: 51.659 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	205274		
182	94.9	47.4	142.3	
145	32.4	16.2	48.6	

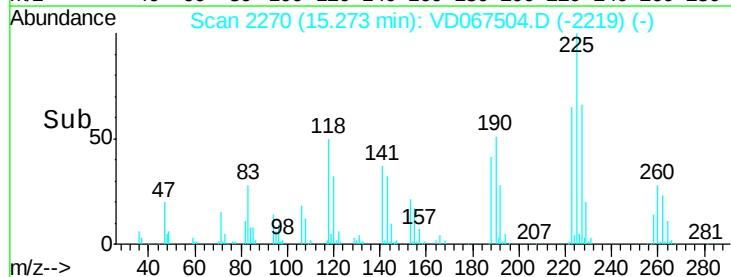
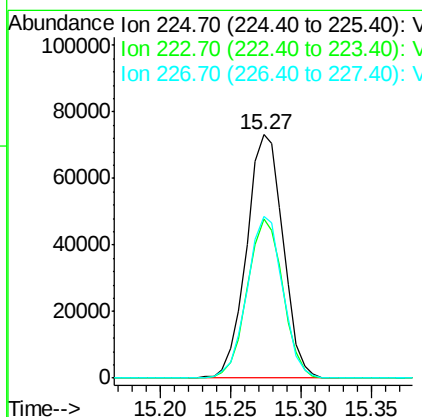
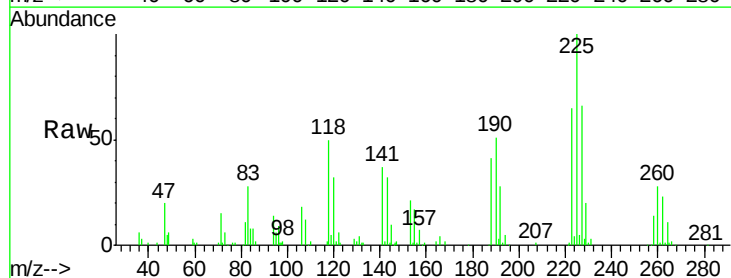
Manual Integrations
APPROVED

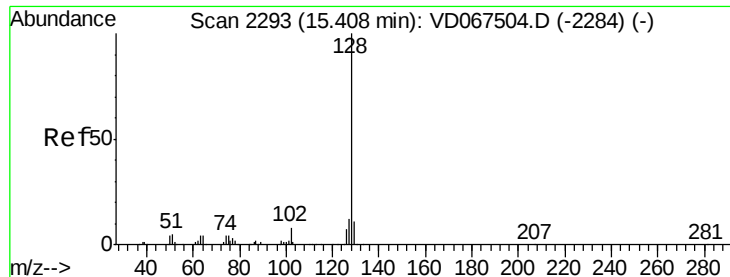
MMDadoda
11/4/2020 10:43:22 AM



#94
Hexachlorobutadiene
Concen: 49.910 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	132731		
223	63.7	31.9	95.5	
227	64.9	32.5	97.4	





#95

Naphthalene

Concen: 54.305 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

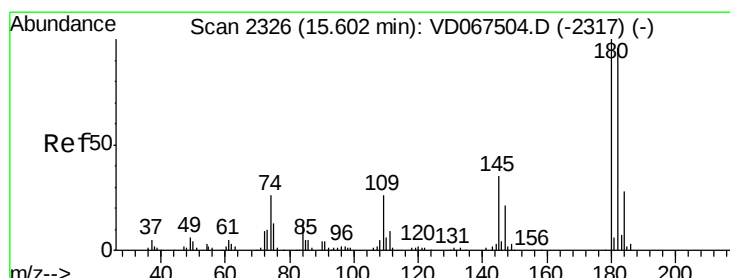
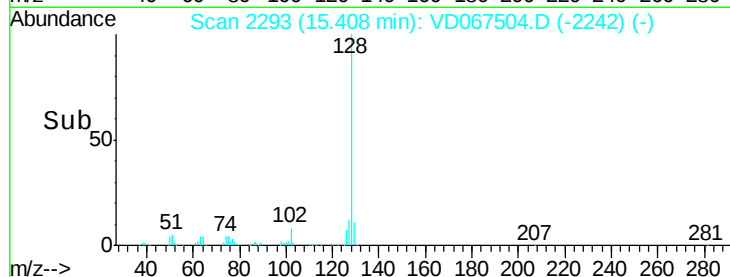
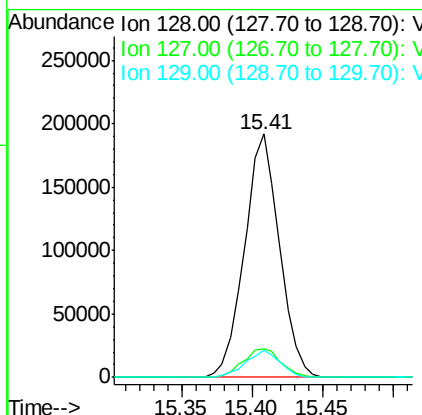
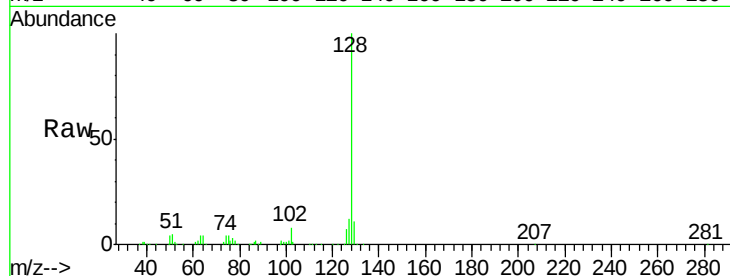
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	333010
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/4/2020 10:43:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.261 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Tgt Ion:	180	Resp:	177830
Ion Ratio	Lower	Upper	
180	100		
182	93.9	46.9	140.8
145	34.1	17.1	51.2

