

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067139.D
 Acq On : 07 Oct 2020 06:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:10:14 PM

Quant Time: Oct 07 07:13:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	317381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	516388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	487384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	237865	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	169196	55.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.70%	
35) Dibromofluoromethane	7.91	113	184267	54.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.02%	
50) Toluene-d8	10.34	98	652239	52.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.90%	
62) 4-Bromofluorobenzene	12.64	95	229676	54.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	134691	53.015	ug/l	99
3) Chloromethane	2.21	50	110241	43.616	ug/l	100
4) Vinyl Chloride	2.35	62	111272	43.905	ug/l	98
5) Bromomethane	2.77	94	96494	59.928	ug/l	96
6) Chloroethane	2.93	64	76695	49.691	ug/l	94
7) Trichlorofluoromethane	3.27	101	262838	46.679	ug/l	97
8) Diethyl Ether	3.71	74	70821	50.720	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	140315	44.088	ug/l	97
10) Methyl Iodide	4.30	142	162617	52.586	ug/l	98
11) Tert butyl alcohol	5.22	59	40416	219.697	ug/l	98
12) 1,1-Dichloroethene	4.07	96	140228	46.870	ug/l	96
13) Acrolein	3.92	56	43297	211.519	ug/l	98
14) Allyl chloride	4.71	41	174084	44.790	ug/l	93
15) Acrylonitrile	5.43	53	127043	247.212	ug/l	97
16) Acetone	4.16	43	103631	222.073	ug/l	98
17) Carbon Disulfide	4.41	76	420834	45.833	ug/l	96
18) Methyl Acetate	4.72	43	58658	50.013	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	296605	54.306	ug/l	93
20) Methylene Chloride	4.97	84	181169	55.511	ug/l	98
21) trans-1,2-Dichloroethene	5.48	96	170868	50.183	ug/l	99
22) Diisopropyl ether	6.36	45	345573	48.702	ug/l	95
23) Vinyl Acetate	6.31	43	972303	241.813	ug/l	98
24) 1,1-Dichloroethane	6.27	63	280201	51.168	ug/l	97
25) 2-Butanone	7.21	43	148419	224.331	ug/l	93
26) 2,2-Dichloropropane	7.21	77	219589	46.615	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	191810	52.747	ug/l	96
28) Bromochloromethane	7.56	49	107108	50.647	ug/l	87
29) Tetrahydrofuran	7.56	42	86864	228.338	ug/l	91
30) Chloroform	7.71	83	312390	52.587	ug/l	96
31) Cyclohexane	7.98	56	183727	40.019	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	284564	51.688	ug/l	98
36) 1,1-Dichloropropene	8.11	75	215214	44.712	ug/l	98
37) Ethyl Acetate	7.29	43	72768	43.640	ug/l	96
38) Carbon Tetrachloride	8.10	117	258879	49.709	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	229231	45.046	ug/l	94
40) Benzene	8.35	78	647482	48.431	ug/l	97
41) Methacrylonitrile	7.53	41	40163	44.584	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	193779	51.871	ug/l	98
43) Isopropyl Acetate	8.45	43	140758	45.822	ug/l	98
44) Trichloroethene	9.11	130	197421	49.452	ug/l	100
45) 1,2-Dichloropropane	9.39	63	152782	48.637	ug/l	98
46) Dibromomethane	9.48	93	93349	51.704	ug/l	97
47) Bromodichloromethane	9.66	83	247367	52.708	ug/l	99
48) Methyl methacrylate	9.46	41	68018	43.221	ug/l #	75
49) 1,4-Dioxane	9.46	88	16914	897.625	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	354197	231.491	ug/l	97
52) Toluene	10.40	92	442432	51.373	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	209111	49.855	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	248007	48.421	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	126371	50.345	ug/l	98
56) Ethyl methacrylate	10.66	69	138400	53.405	ug/l	95
57) 1,3-Dichloropropane	10.94	76	206419	50.712	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	372191	258.035	ug/l	97
59) 2-Hexanone	10.98	43	243257	238.200	ug/l	97
60) Dibromochloromethane	11.14	129	178918	53.479	ug/l	97
61) 1,2-Dibromoethane	11.25	107	126849	52.601	ug/l	99
64) Tetrachloroethene	10.88	164	172747	48.753	ug/l	96
65) Chlorobenzene	11.67	112	479486	49.465	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	191679	51.984	ug/l	98
67) Ethyl Benzene	11.74	91	837828	50.445	ug/l	100
68) m/p-Xylenes	11.86	106	645311	99.698	ug/l	98
69) o-Xylene	12.18	106	292765	50.580	ug/l	93
70) Styrene	12.20	104	519947	52.313	ug/l	99
71) Bromoform	12.36	173	102019	53.302	ug/l #	96
73) Isopropylbenzene	12.48	105	803187	49.729	ug/l	99
74) N-amyl acetate	12.29	43	125072	43.077	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.73	83	124284	45.671	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	90029m	43.453	ug/l	
77) Bromobenzene	12.77	156	200618	51.441	ug/l	93
78) n-propylbenzene	12.83	91	918217	48.104	ug/l	99
79) 2-Chlorotoluene	12.91	91	544059	49.817	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	696064	51.009	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	36950	44.462	ug/l	98
82) 4-Chlorotoluene	13.01	91	575399	49.520	ug/l	99
83) tert-Butylbenzene	13.23	119	590106	51.353	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	701761	51.531	ug/l	97
85) sec-Butylbenzene	13.41	105	779590	48.175	ug/l	99
86) p-Isopropyltoluene	13.52	119	741278	49.409	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	375300	49.405	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	369417	48.636	ug/l	99
89) n-Butylbenzene	13.85	91	627887	45.793	ug/l	98
90) Hexachloroethane	14.12	117	128368	48.846	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	328880	49.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21657	49.370	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	215485	50.215	ug/l	100
94) Hexachlorobutadiene	15.28	225	125383	47.576	ug/l	99
95) Naphthalene	15.41	128	378641	52.900	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	196567	52.767	ug/l	98

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

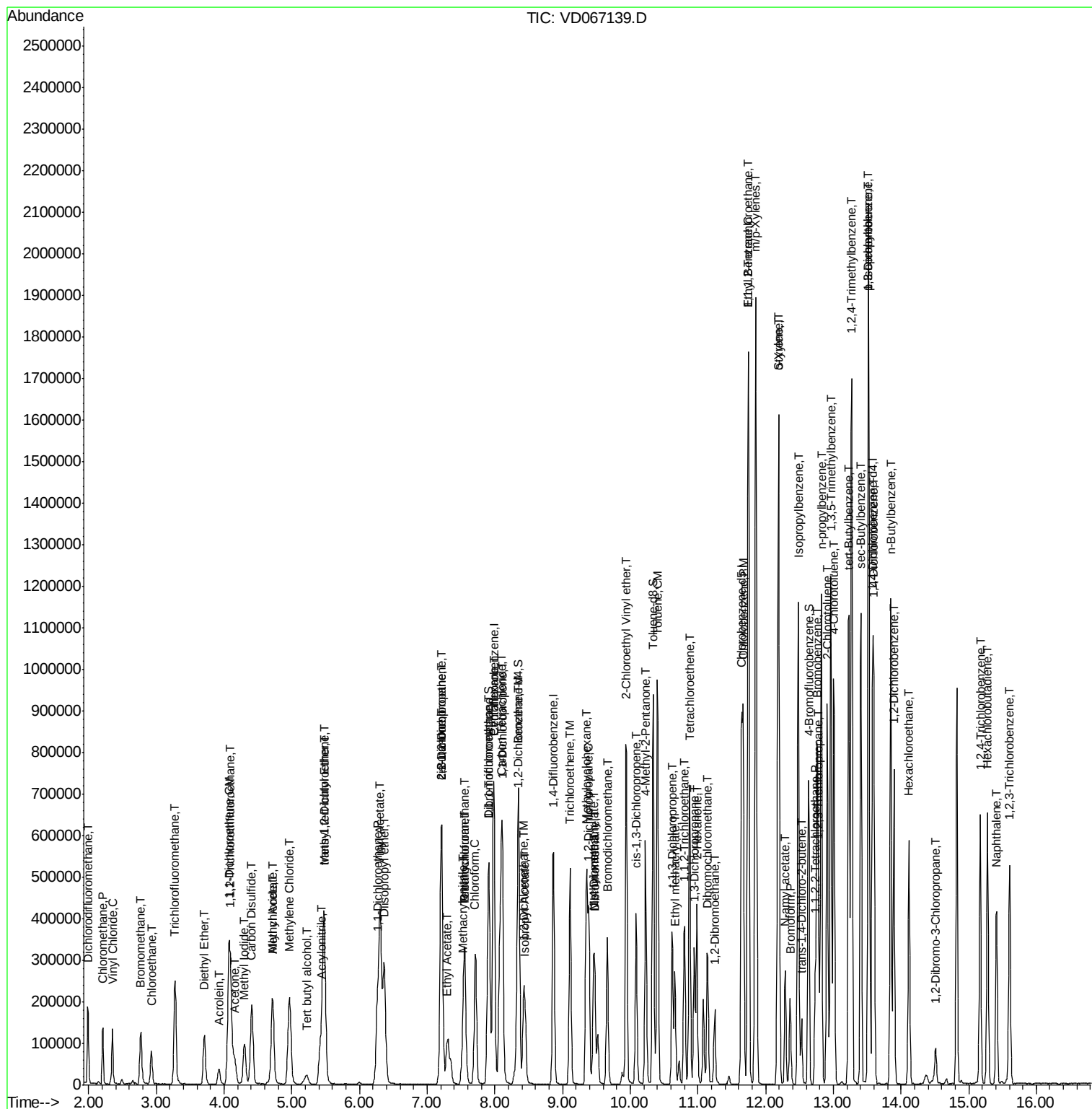
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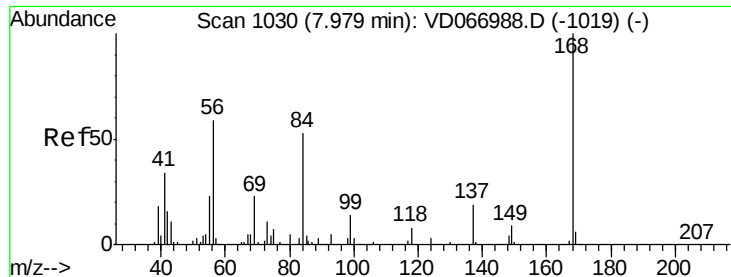
Instrument :
MSVOA_D
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Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 317381

Ion Ratio Lower Upper

168 100

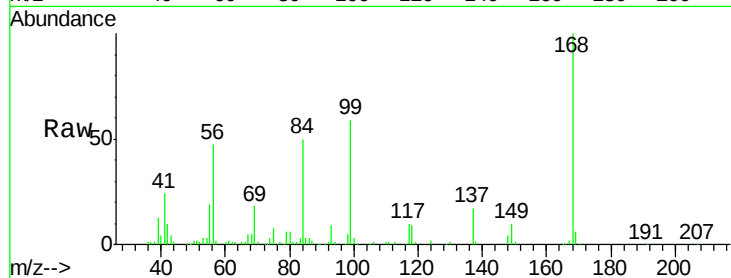
99 58.7 44.1 66.1

Manual Integrations

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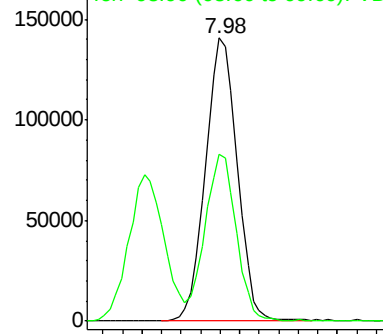
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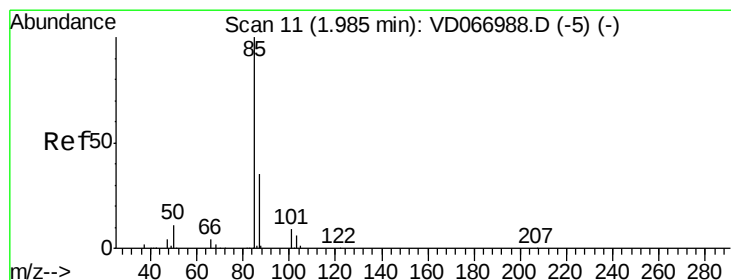
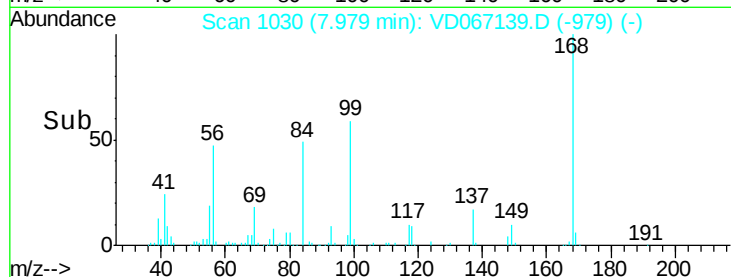


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



Time-->



#2

Dichlorodifluoromethane

Concen: 53.015 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067139.D

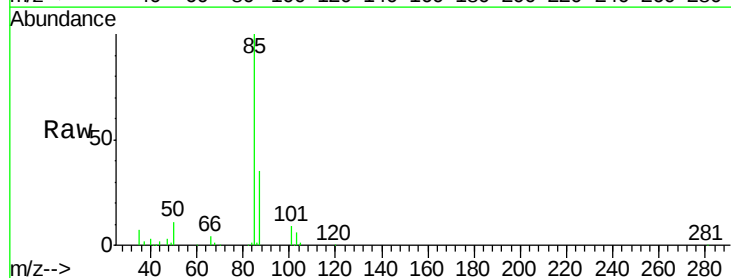
Acq: 07 Oct 2020 06:53

Tgt Ion: 85 Resp: 134691

Ion Ratio Lower Upper

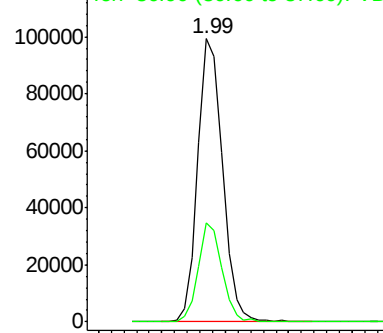
85 100

87 35.2 17.3 52.0

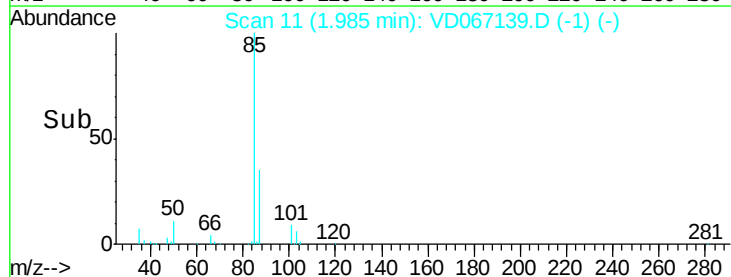


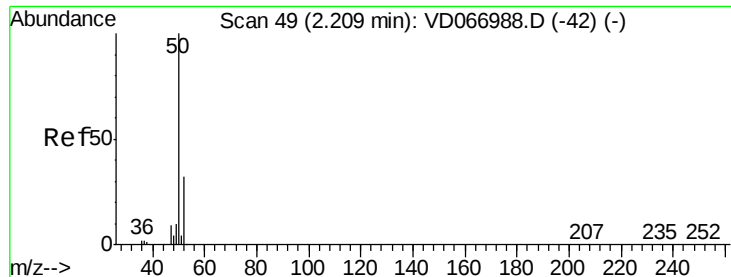
Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



Time-->





#3

Chloromethane

Concen: 43.616 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 110241

Ion Ratio Lower Upper

50 100

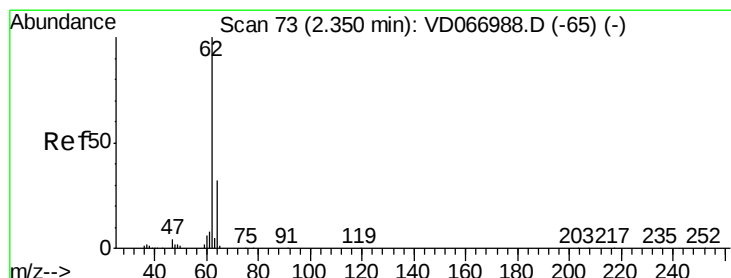
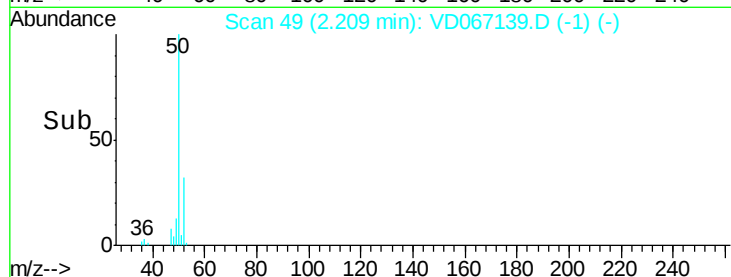
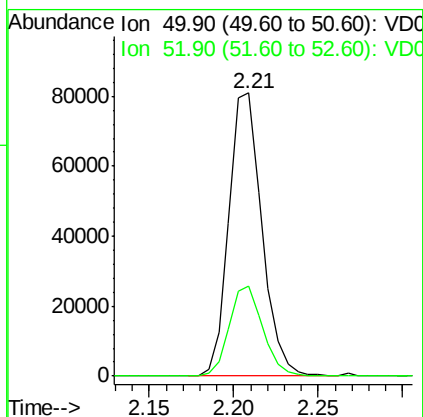
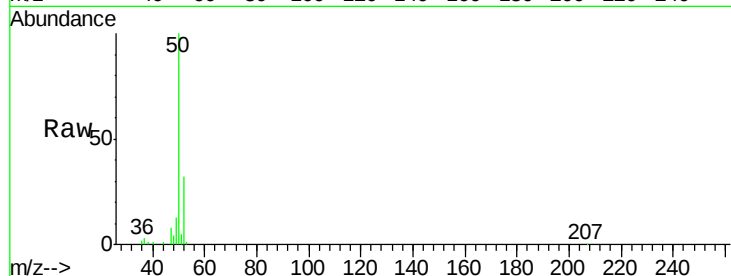
52 31.8 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.905 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067139.D

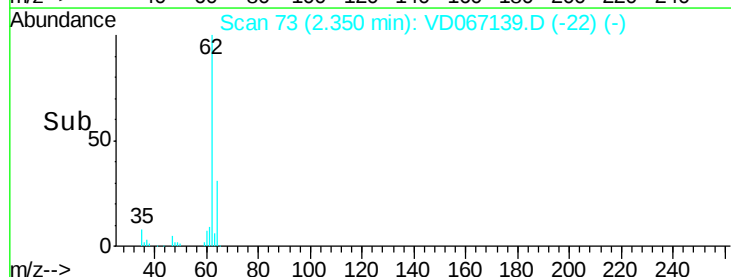
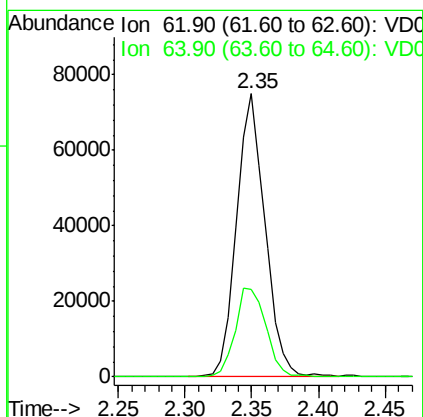
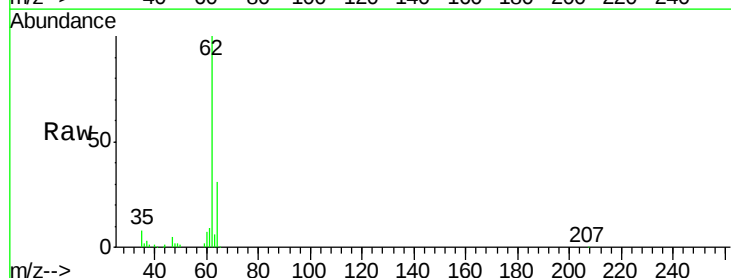
Acq: 07 Oct 2020 06:53

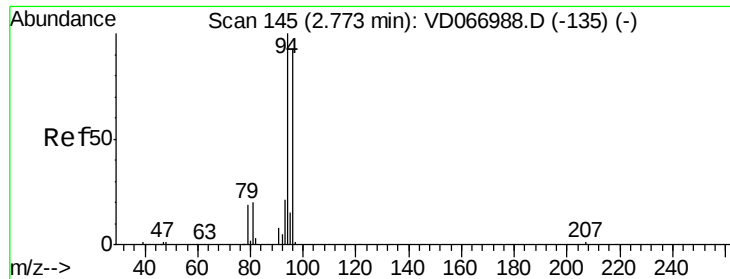
Tgt Ion: 62 Resp: 111272

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.8





#5

Bromomethane

Concen: 59.928 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 96494

Ion Ratio Lower Upper

94 100

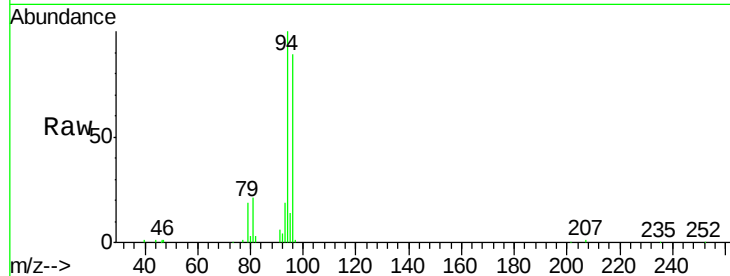
96 89.3 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

40000

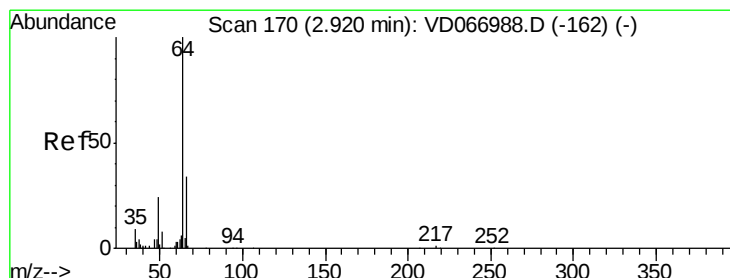
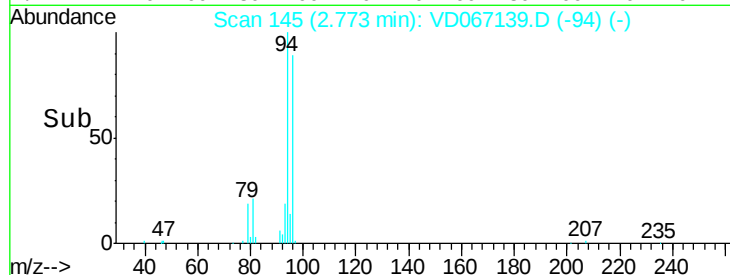
30000

20000

10000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 49.691 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067139.D

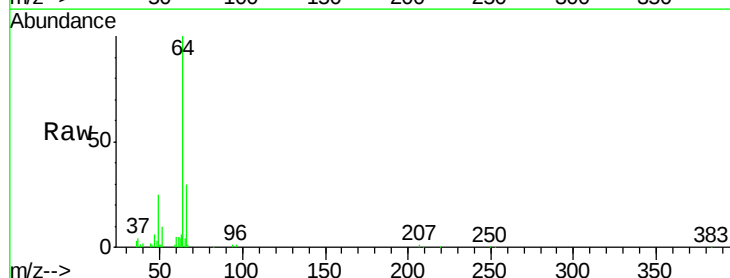
Acq: 07 Oct 2020 06:53

Tgt Ion: 64 Resp: 76695

Ion Ratio Lower Upper

64 100

66 30.3 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

40000

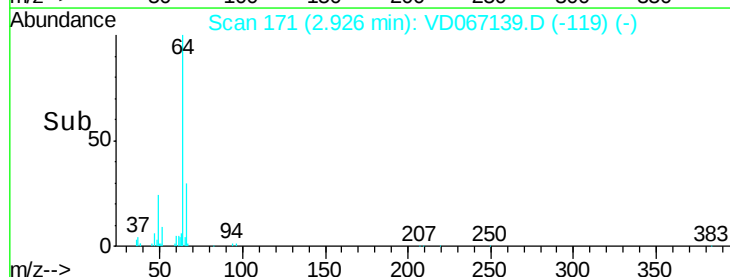
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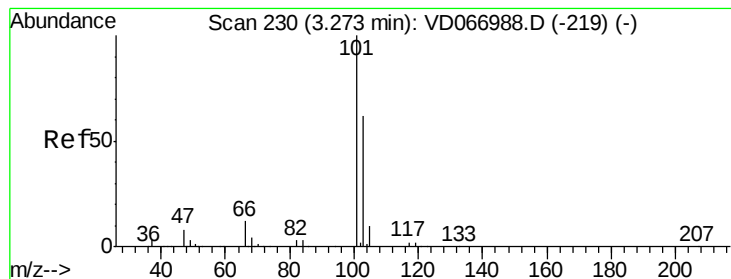
20000

10000

0

Time--> 2.90 2.95 3.00





#7

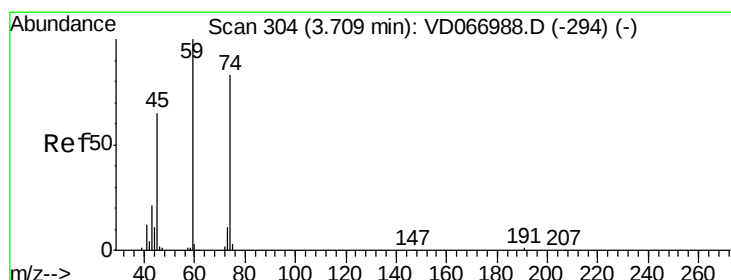
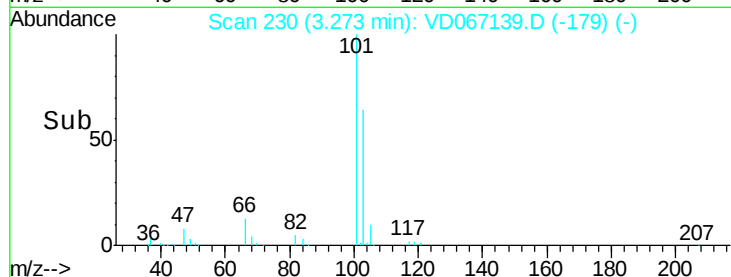
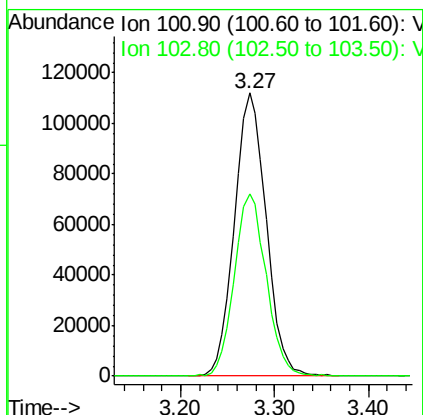
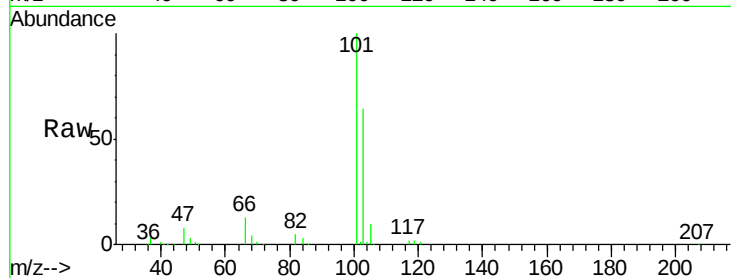
Trichlorofluoromethane
 Concen: 46.679 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	49.8	74.8

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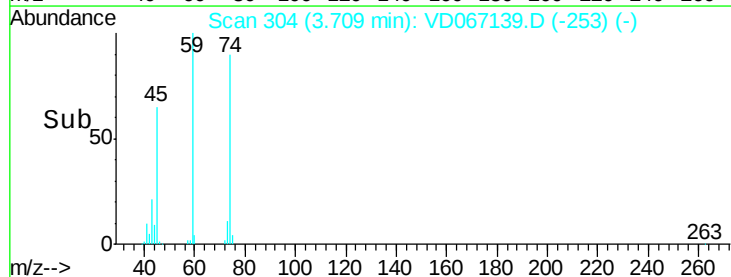
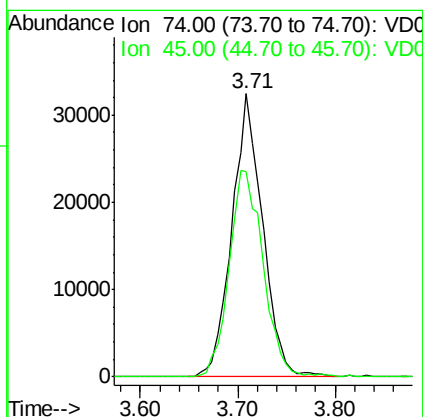
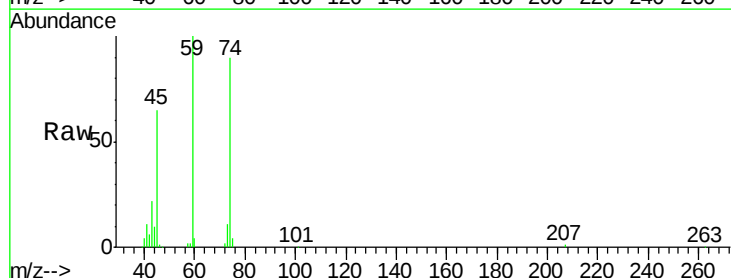
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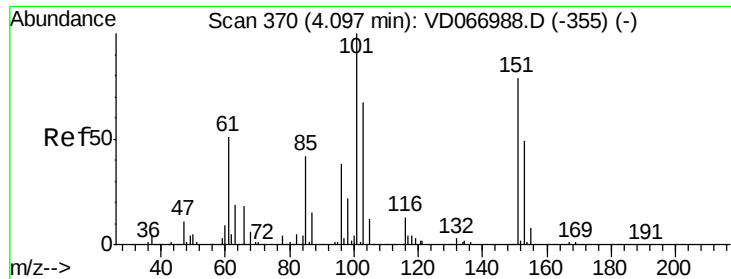


#8

Diethyl Ether
 Concen: 50.720 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067139.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.6	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.088 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

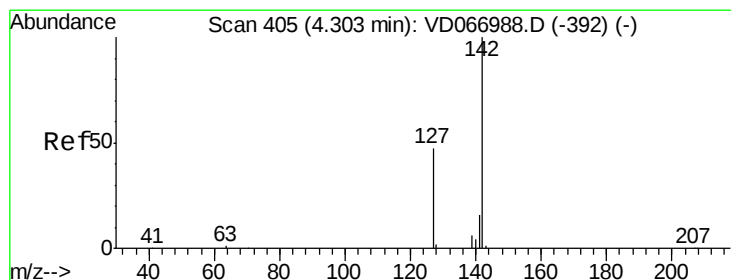
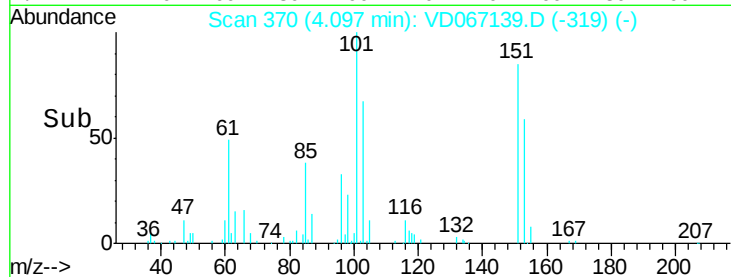
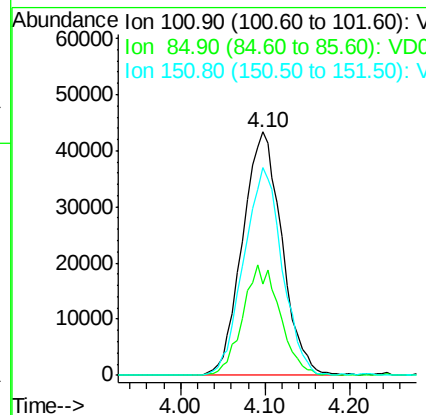
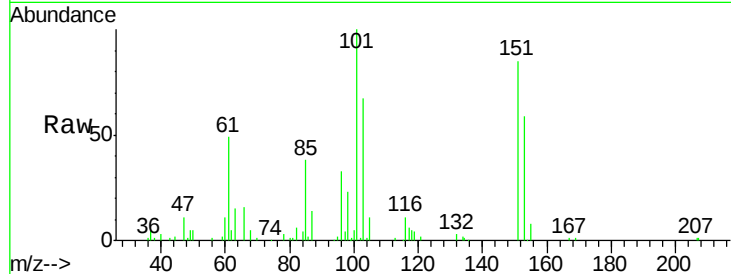
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	140315
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.8	50.8
151	83.2	63.8	95.8

Manual Integrations
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MMDadoda
10/7/2020 12:10:14 PM



#10

Methyl Iodide

Concen: 52.586 ug/l

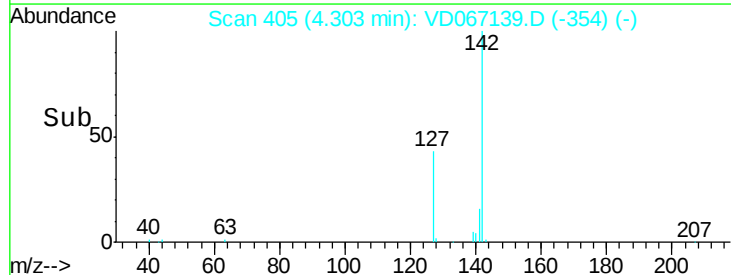
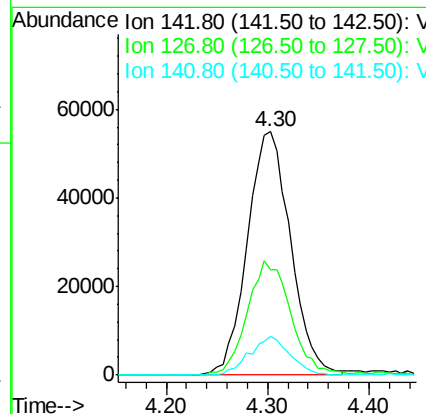
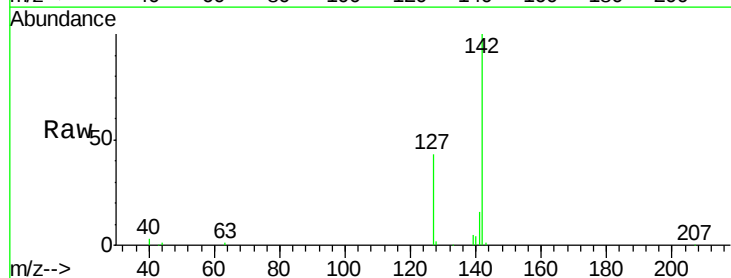
RT: 4.30 min Scan# 405

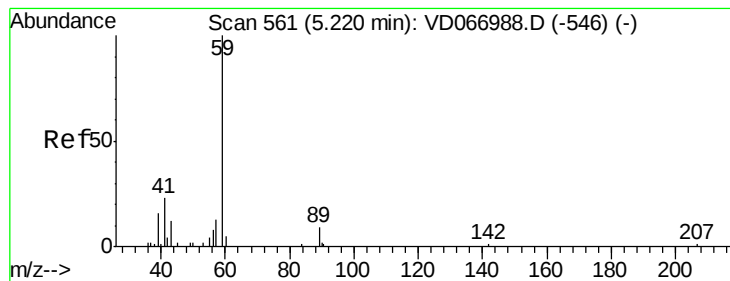
Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Tgt Ion:	142	Resp:	162617
Ion Ratio	Lower	Upper	
142	100		
127	47.1	36.3	54.5
141	15.1	12.0	18.0





#11

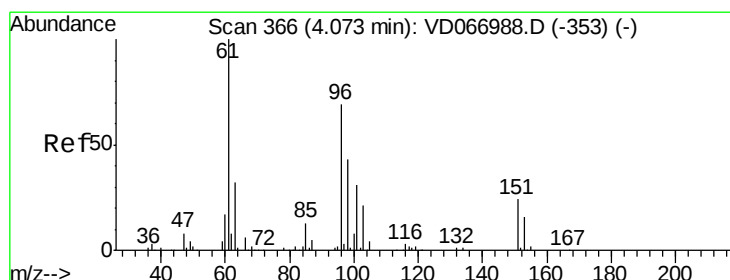
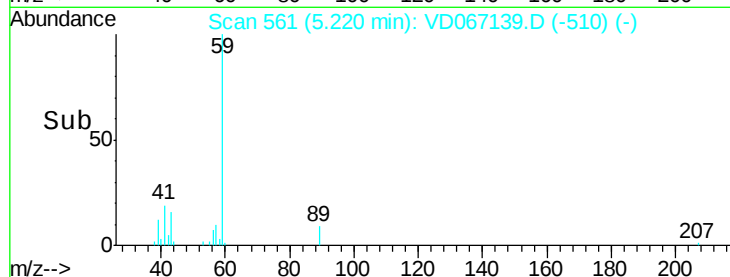
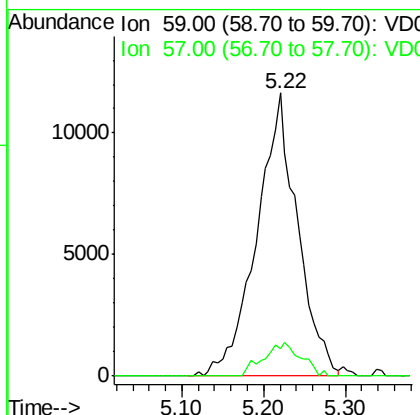
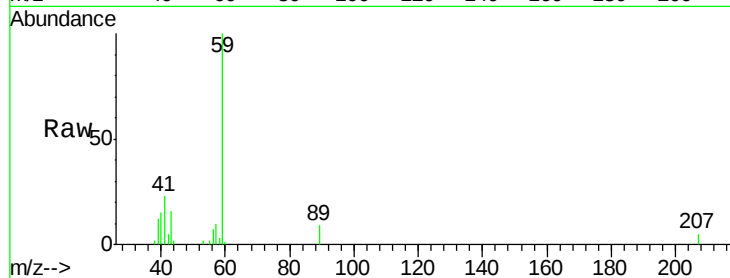
Tert butyl alcohol
Concen: 219.697 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
57	57	10.9		8.2	12.4

Manual Integrations
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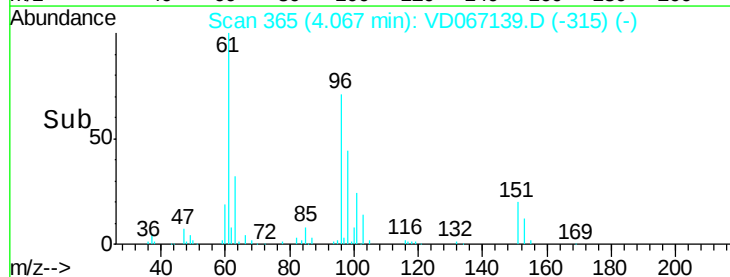
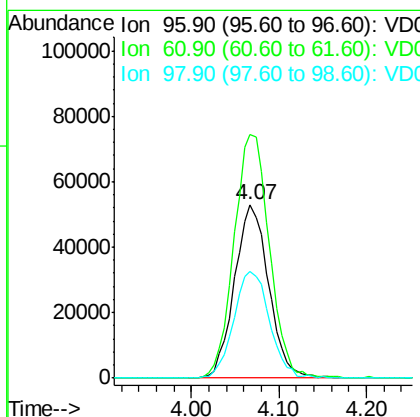
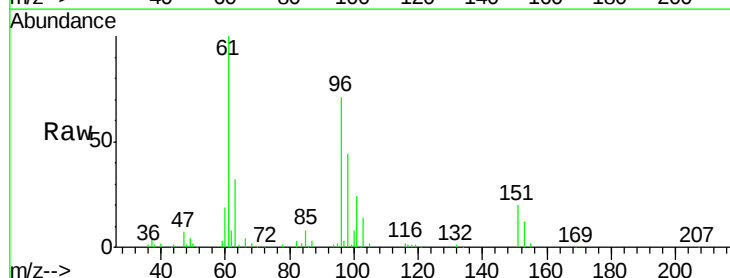
MMDadoda
10/7/2020 12:10:14 PM

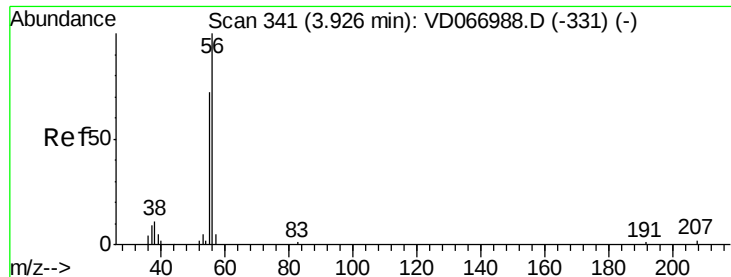


#12

1,1-Dichloroethene
Concen: 46.870 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	139.7		116.4	174.6
98	98	61.7		49.9	74.9





#13

Acrolein

Concen: 211.519 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 43297

Ion Ratio Lower Upper

56 100

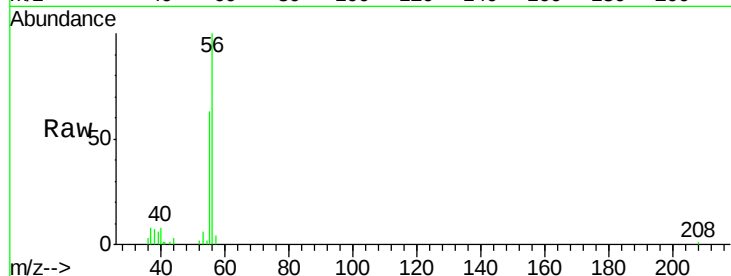
55 69.5 56.9 85.3

Manual Integrations

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MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

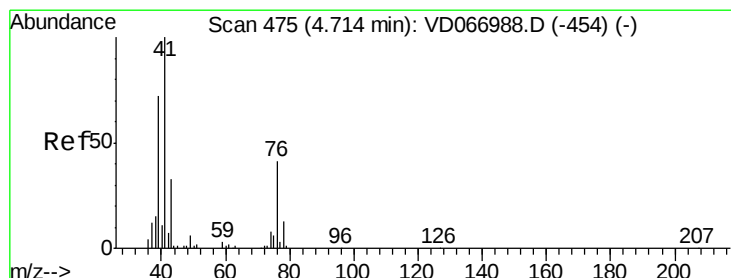
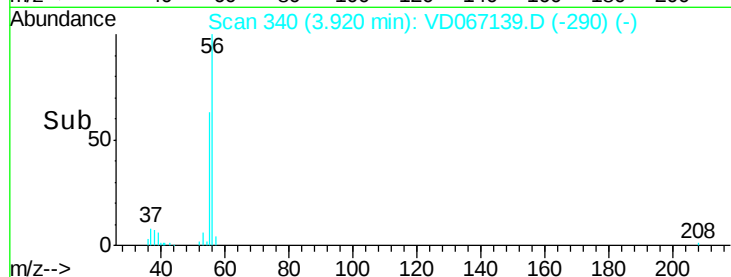
10000

5000

0

Time--> 3.80 3.85 3.90 3.95 4.00

3.92



#14

Allyl chloride

Concen: 44.790 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

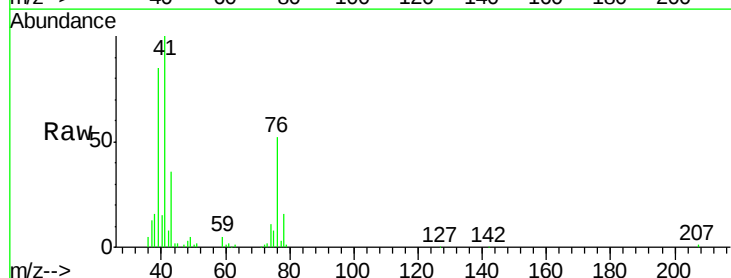
Tgt Ion: 41 Resp: 174084

Ion Ratio Lower Upper

41 100

39 76.4 56.2 84.2

76 47.4 34.2 51.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

60000

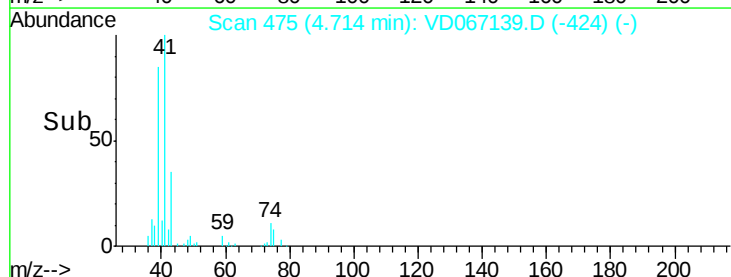
40000

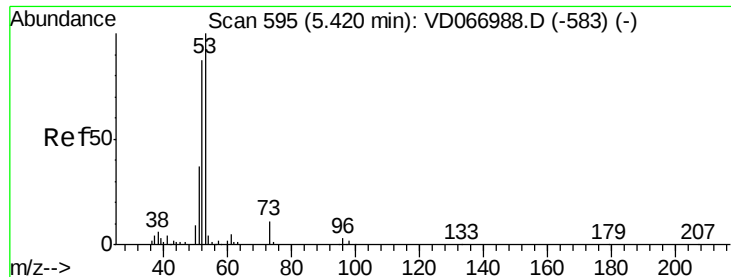
20000

0

Time--> 4.50 4.60 4.70 4.80

4.71





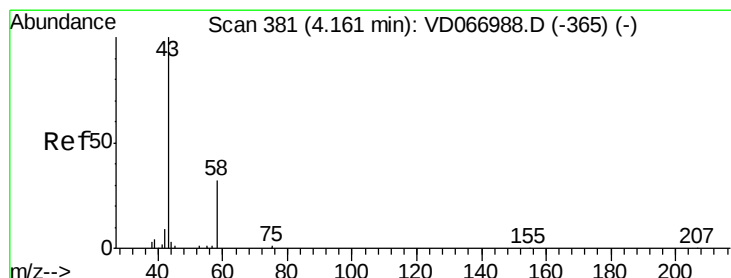
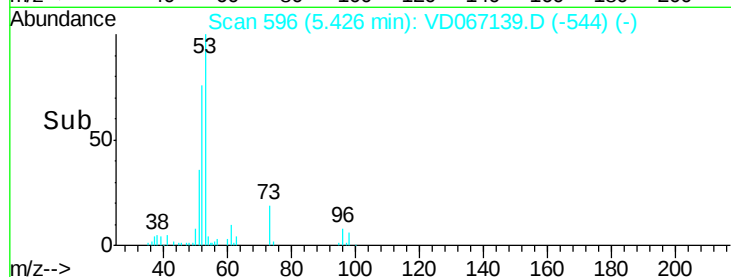
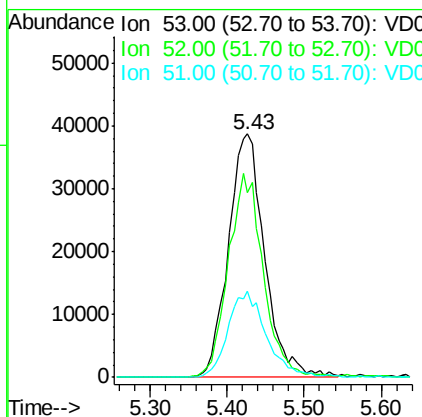
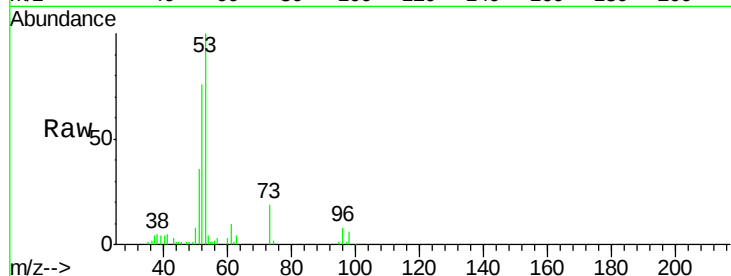
#15
 Acrylonitrile
 Concen: 247.212 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.3	67.3	100.9
51	37.2	30.2	45.2

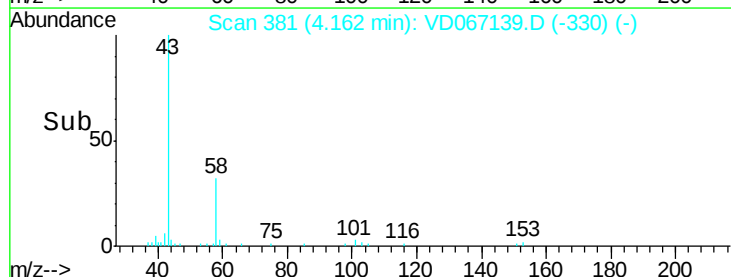
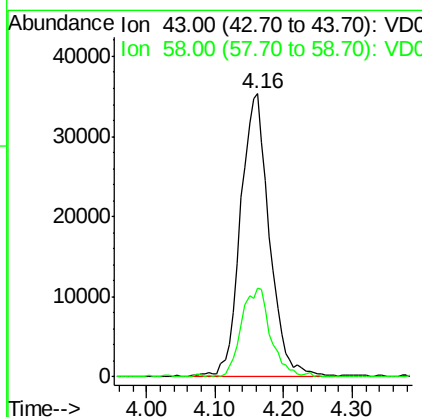
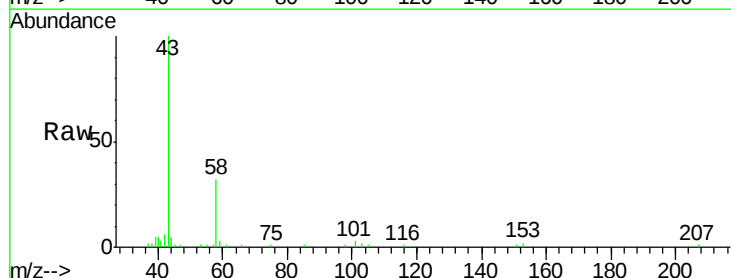
Manual Integrations
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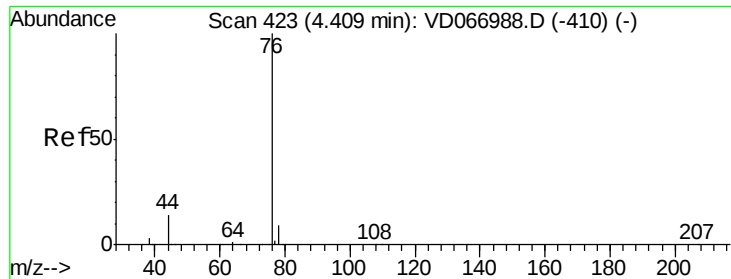
MMDadoda
 10/7/2020 12:10:14 PM



#16
 Acetone
 Concen: 222.073 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.9	38.9





#17

Carbon Disulfide

Concen: 45.833 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 420834

Ion Ratio Lower Upper

76 100

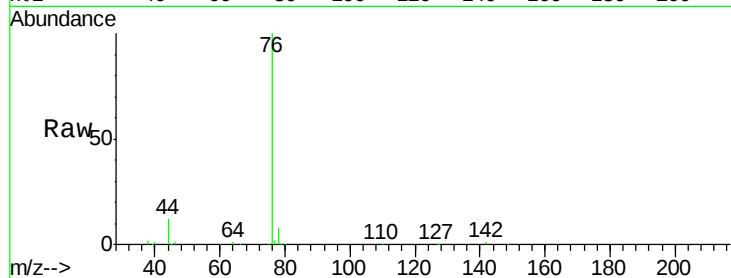
78 7.8 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:10:14 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

150000

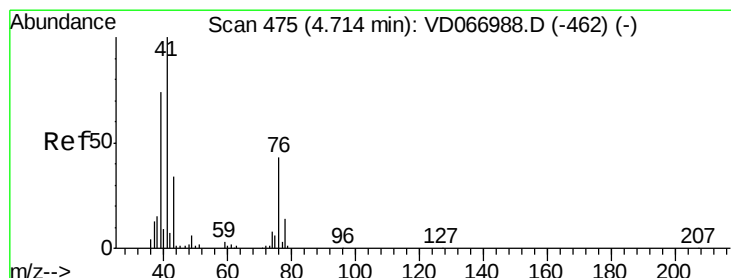
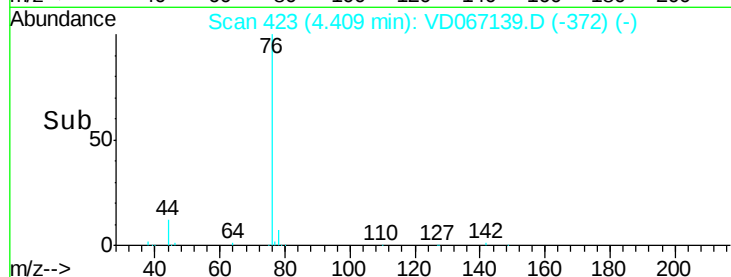
100000

50000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 50.013 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067139.D

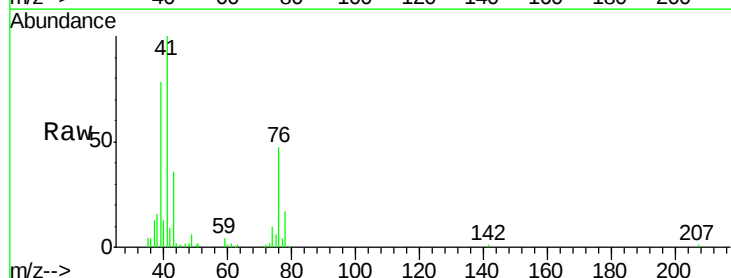
Acq: 07 Oct 2020 06:53

Tgt Ion: 43 Resp: 58658

Ion Ratio Lower Upper

43 100

74 29.8 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

20000

15000

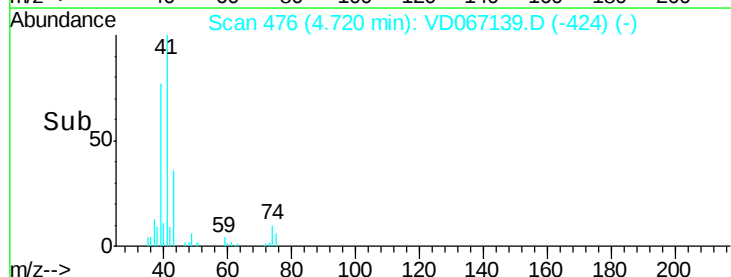
10000

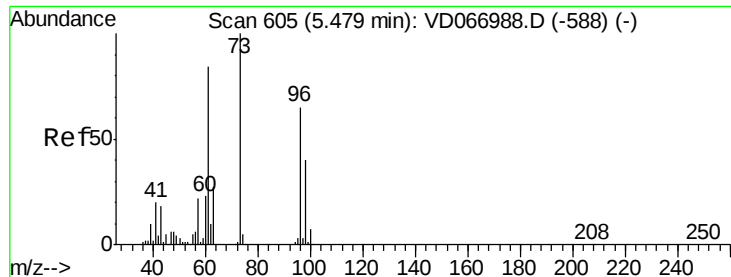
5000

0

4.60 4.70 4.80

Time-->





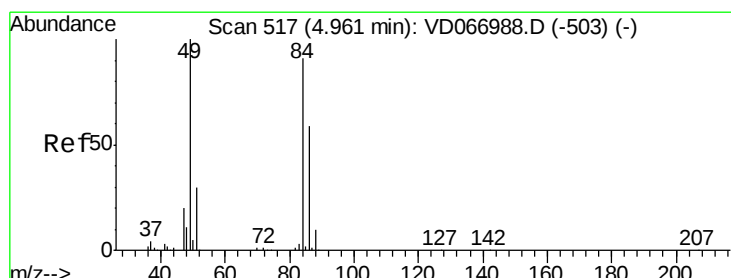
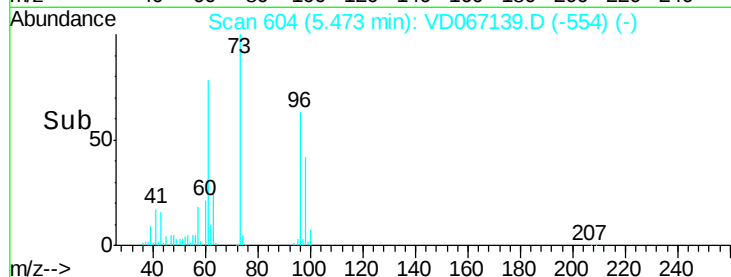
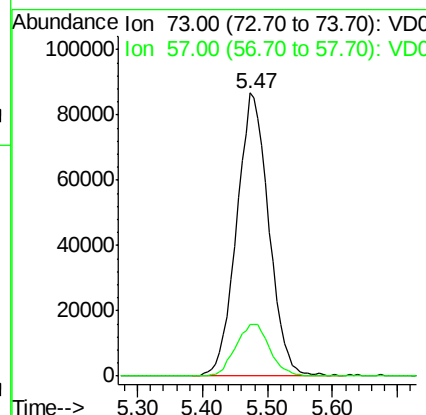
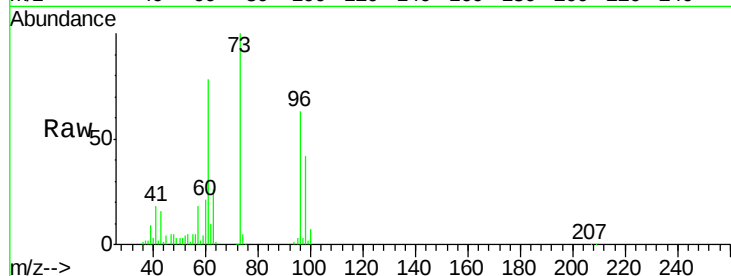
#19
Methvl tert-butvl Ether
Concen: 54.306 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 296605
Ion Ratio Lower Upper
73 100
57 18.4 17.4 26.0

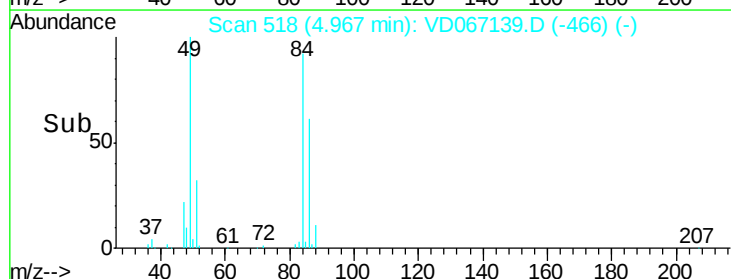
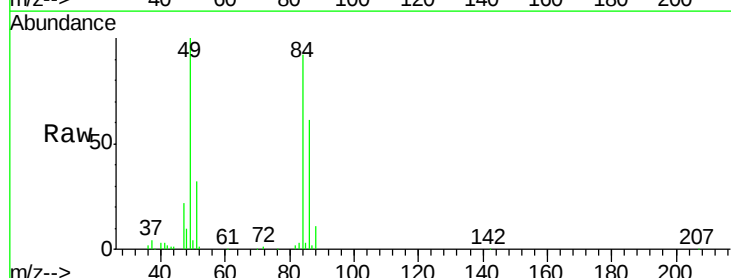
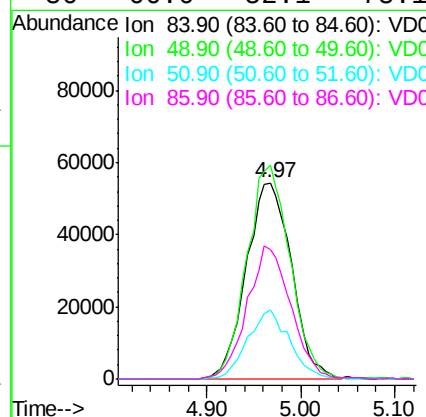
Manual Integrations
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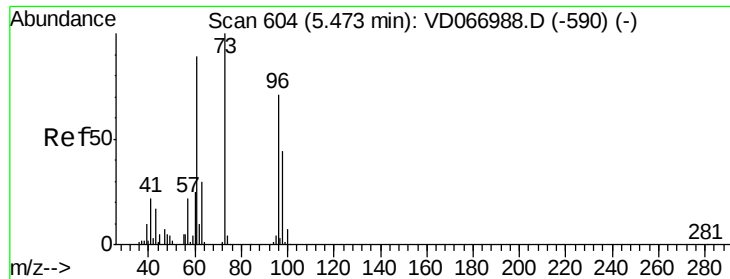
MMDadoda
10/7/2020 12:10:14 PM



#20
Methylene Chloride
Concen: 55.511 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion: 84 Resp: 181169
Ion Ratio Lower Upper
84 100
49 108.8 88.2 132.2
51 35.2 26.6 39.8
86 66.0 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 50.183 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

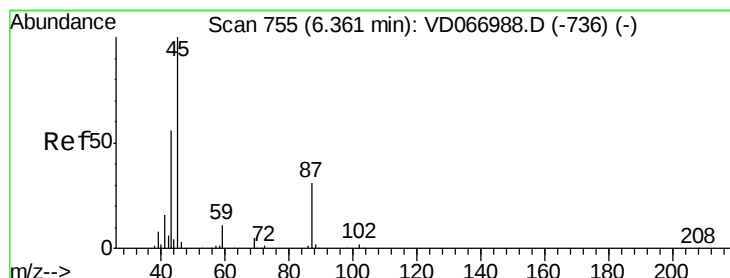
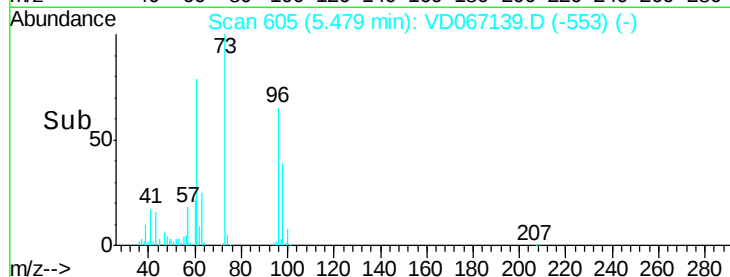
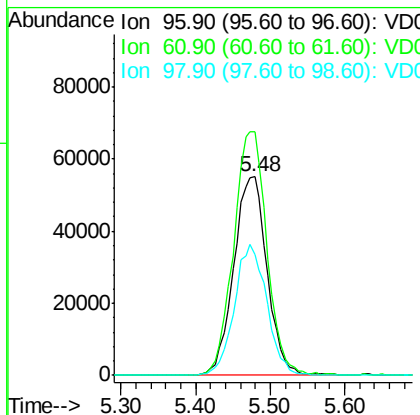
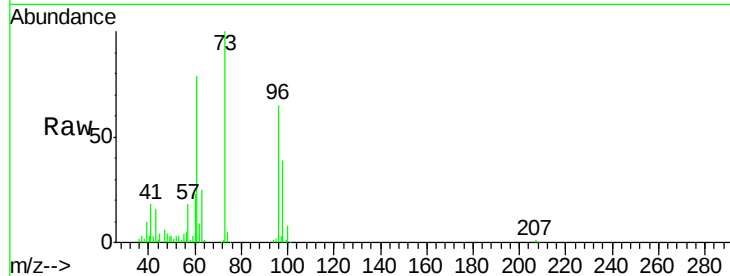
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	170868
Ion	Ratio	Lower	Upper
96	100		
61	122.7	99.6	149.4
98	60.9	49.4	74.2

Manual Integrations
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MMDadoda
10/7/2020 12:10:14 PM



#22

Diisopropyl ether

Concen: 48.702 ug/l

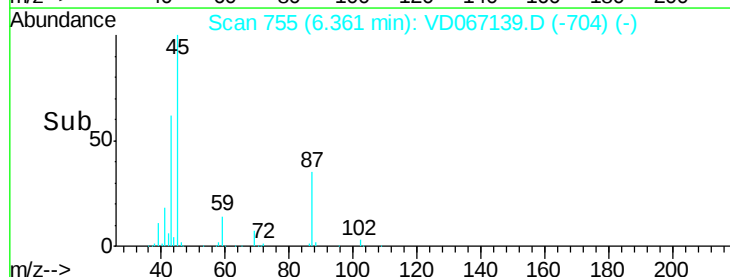
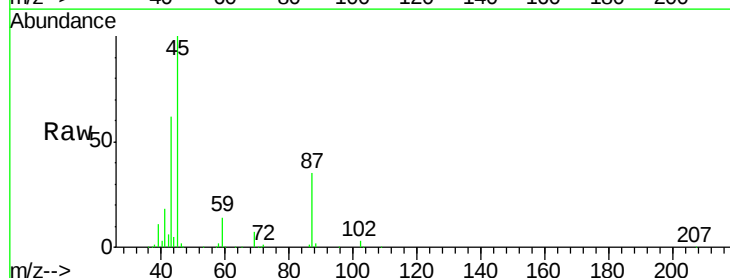
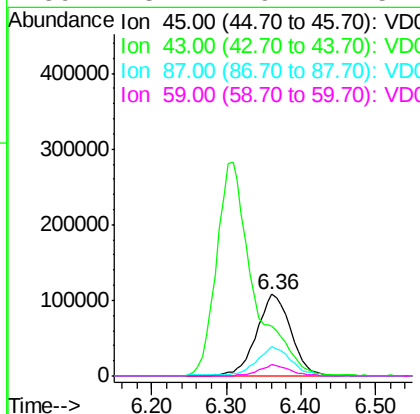
RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Tgt Ion:	45	Resp:	345573
Ion	Ratio	Lower	Upper
45	100		
43	60.5	45.2	67.8
87	34.9	25.6	38.4
59	13.7	9.1	13.7





#23

Vinyl Acetate

Concen: 241.813 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 972303

Ion Ratio Lower Upper

43 100

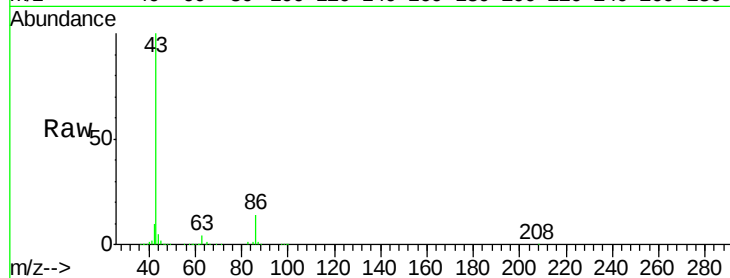
86 13.6 10.2 15.2

Manual Integrations

APPROVED

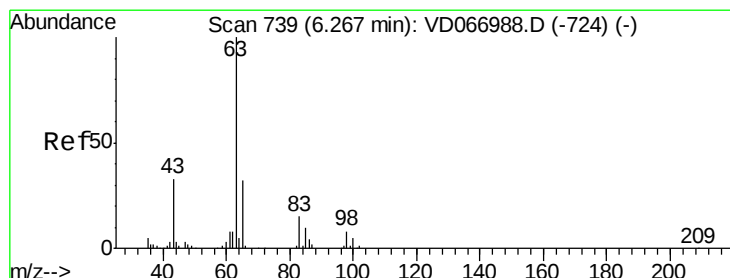
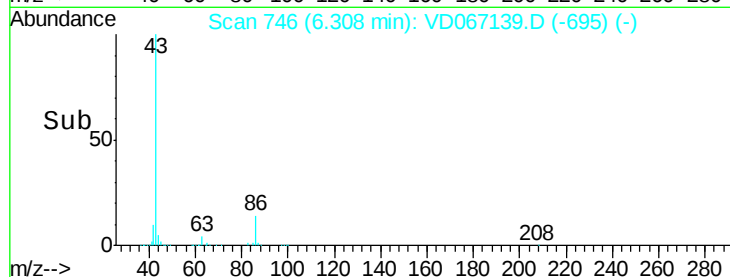
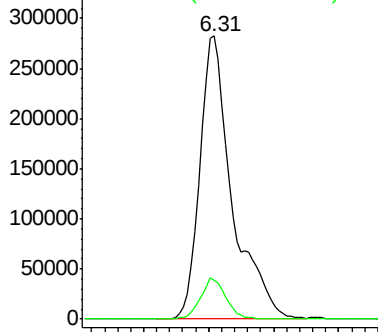
MMDadoda

10/7/2020 12:10:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.168 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

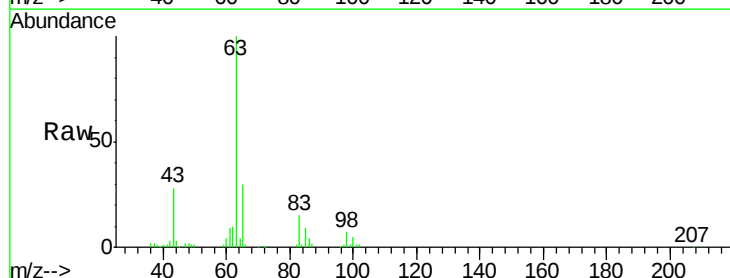
Tgt Ion: 63 Resp: 280201

Ion Ratio Lower Upper

63 100

98 7.1 4.2 12.6

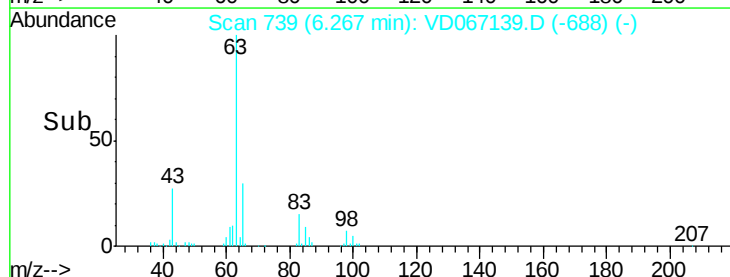
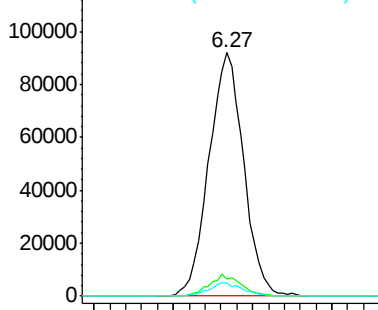
100 5.3 2.6 7.8

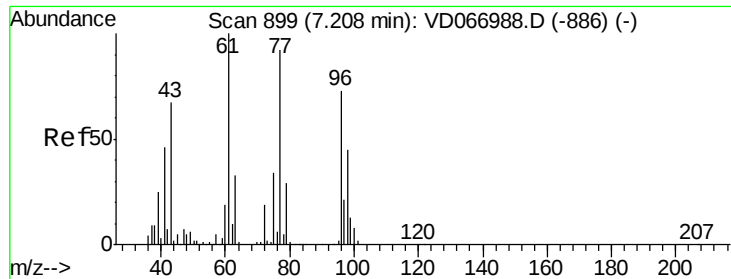


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





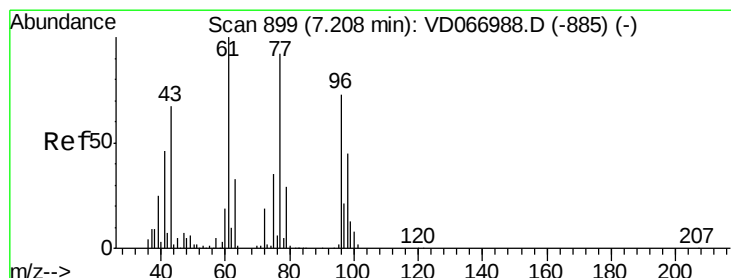
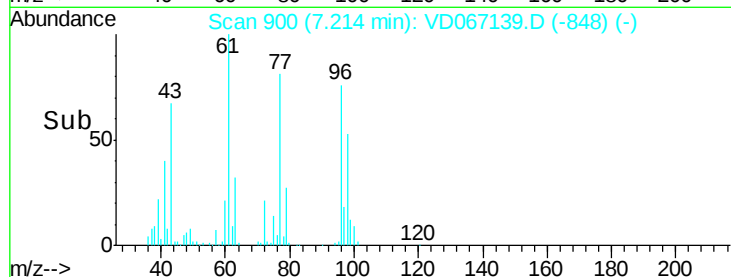
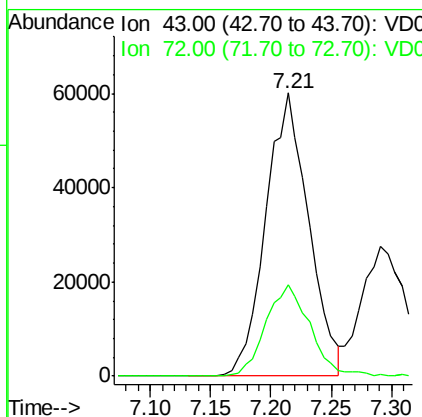
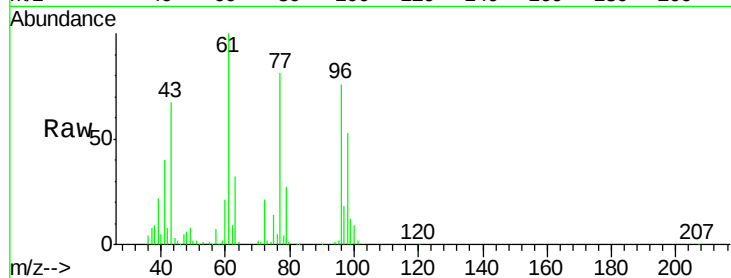
#25
2-Butanone
Concen: 224.331 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 148419
Ion Ratio Lower Upper
43 100
72 32.1 22.8 34.2

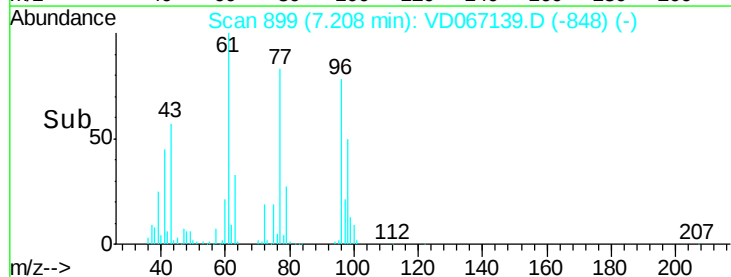
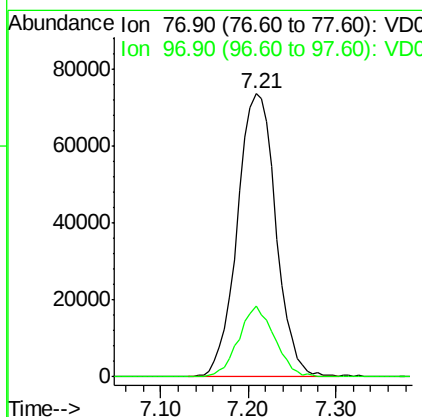
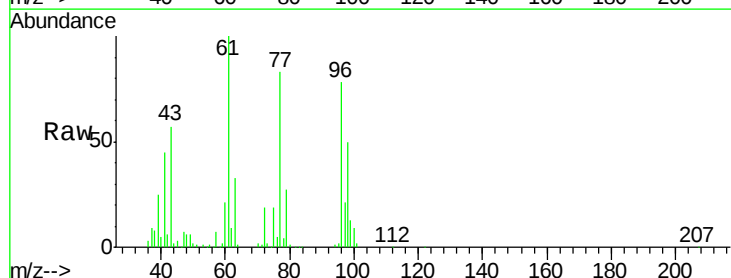
Manual Integrations
APPROVED

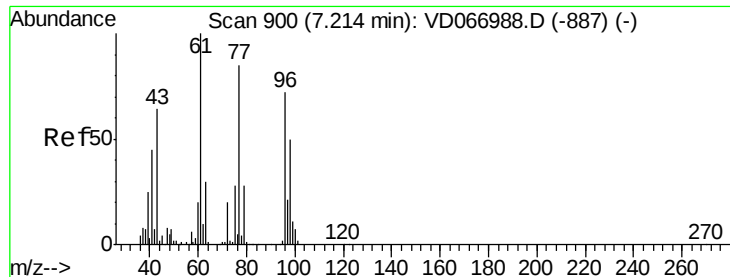
MMDadoda
10/7/2020 12:10:14 PM



#26
2,2-Dichloropropane
Concen: 46.615 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion: 77 Resp: 219589
Ion Ratio Lower Upper
77 100
97 23.2 11.4 34.2





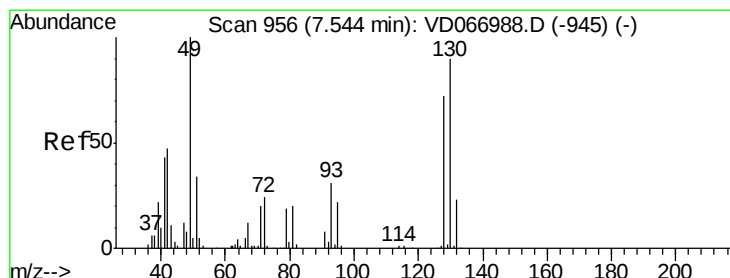
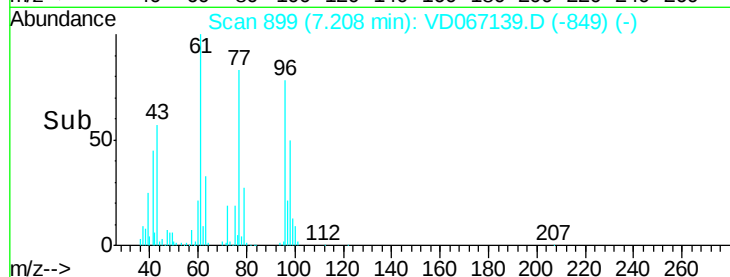
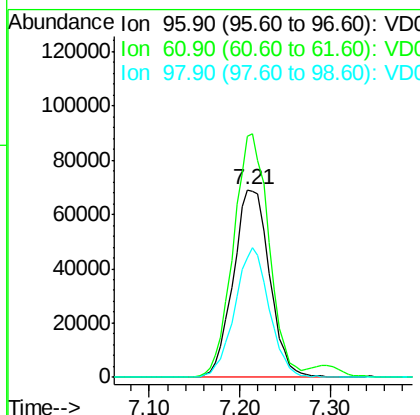
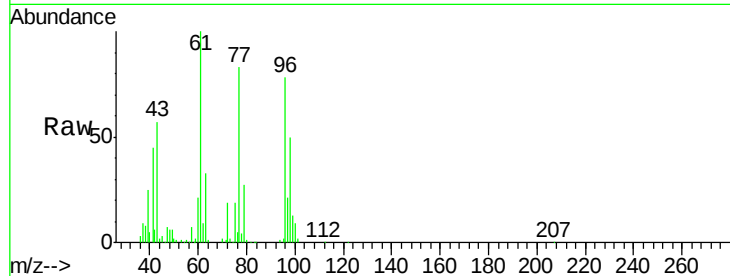
#27
 cis-1,2-Dichloroethene
 Concen: 52.747 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	127.4	0.0	269.2	
98	65.7	0.0	129.4	

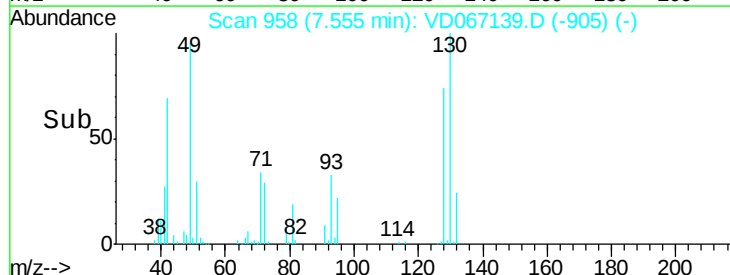
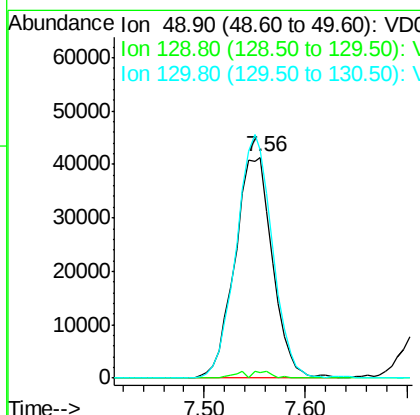
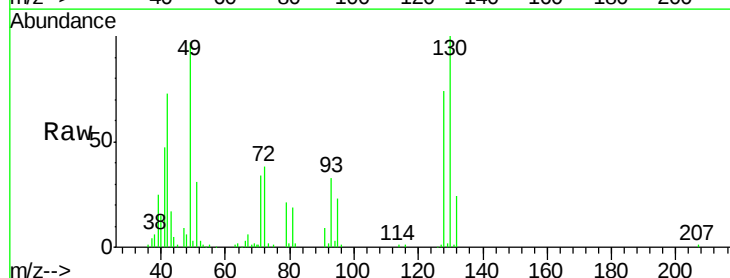
Manual Integrations
 APPROVED

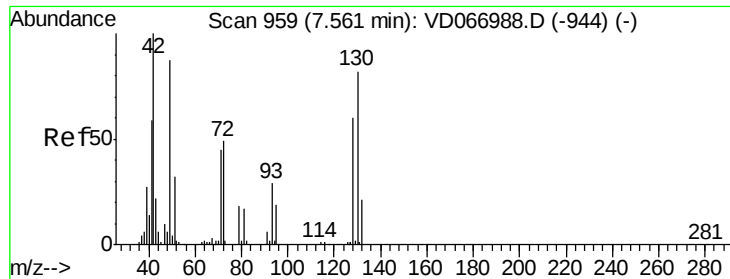
MMDadoda
 10/7/2020 12:10:14 PM



#28
 Bromochloromethane
 Concen: 50.647 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	4.6	
130	105.6	74.1	111.1	





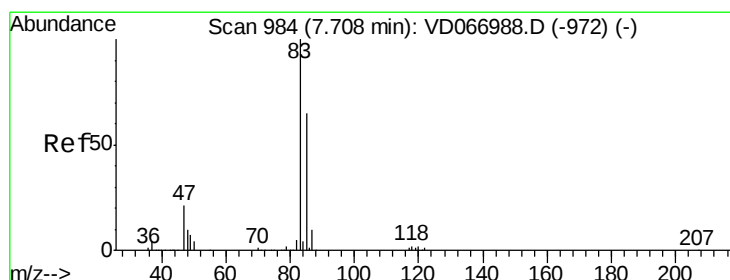
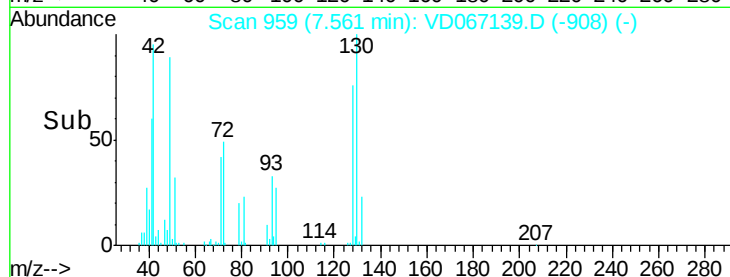
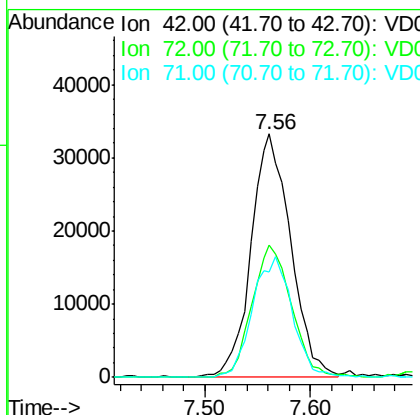
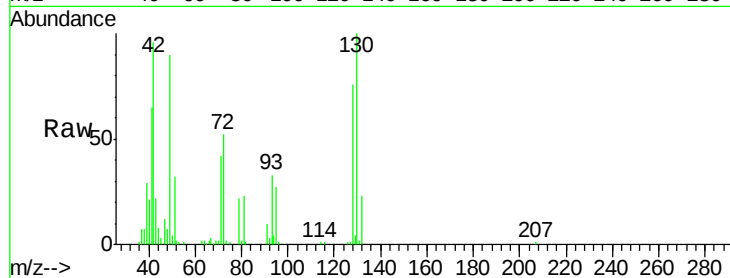
#29
Tetrahydrofuran
Concen: 228.338 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.1	39.1	58.7
71	49.4	34.2	51.4

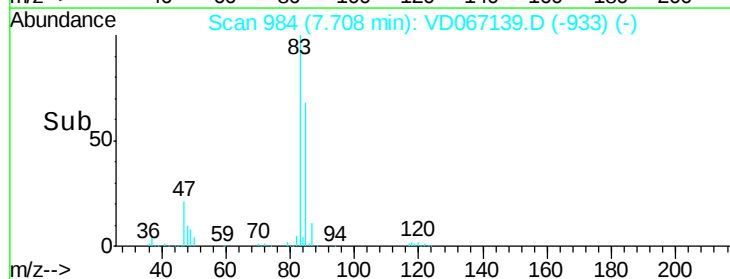
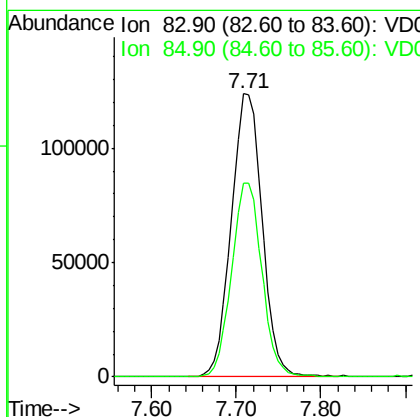
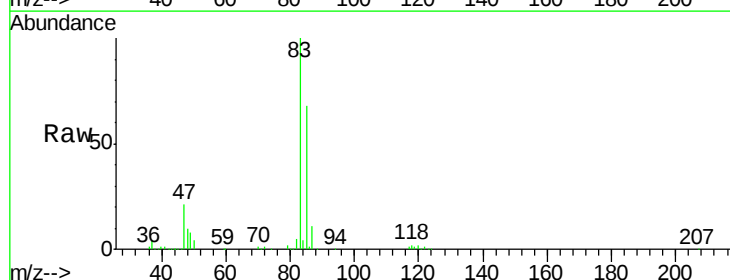
Manual Integrations
APPROVED

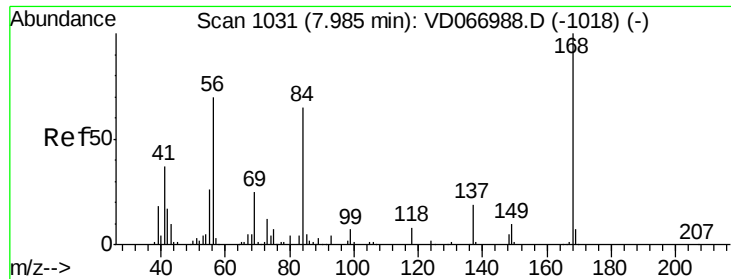
MMDadoda
10/7/2020 12:10:14 PM



#30
Chloroform
Concen: 52.587 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.4	52.3	78.5





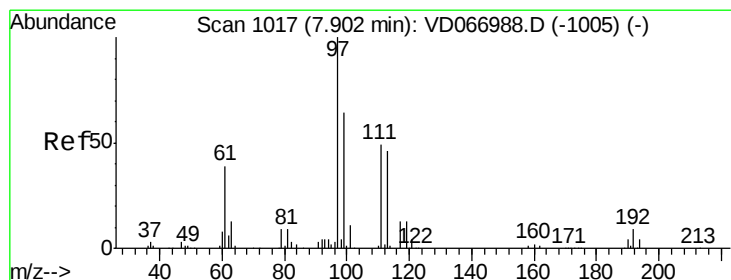
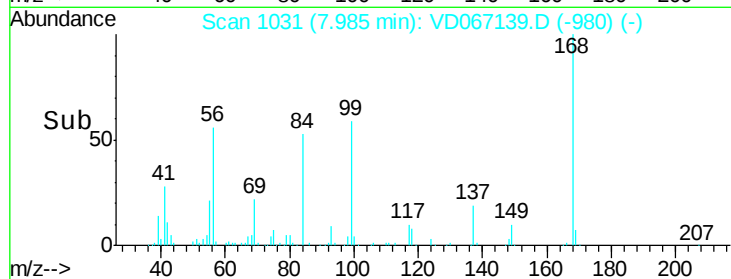
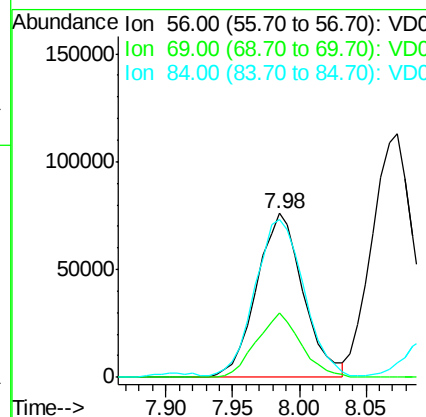
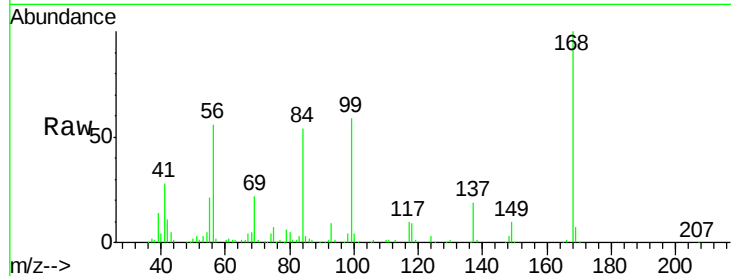
#31
Cyclohexane
Concen: 40.019 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.3	29.0	43.6
84	94.1	74.2	111.2

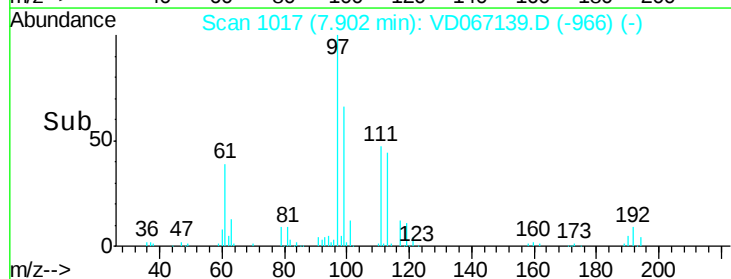
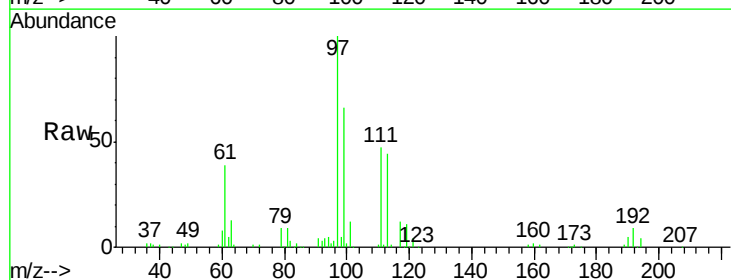
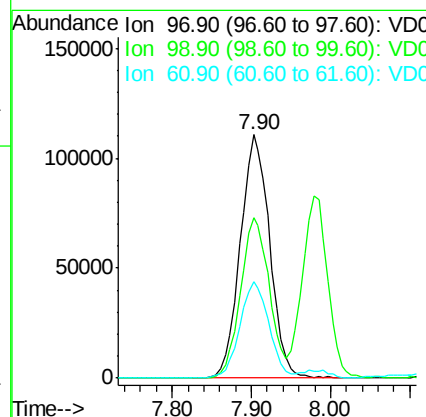
Manual Integrations
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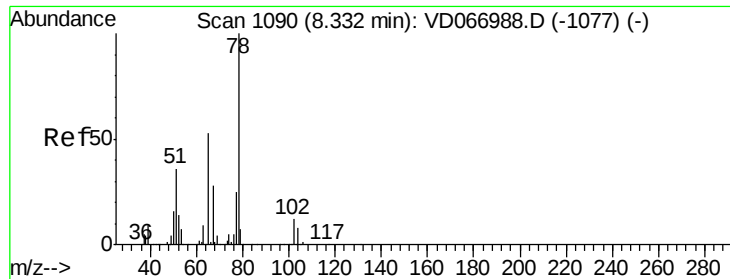
MMDadoda
10/7/2020 12:10:14 PM



#32
1,1,1-Trichloroethane
Concen: 51.688 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.6	78.8
61	39.1	32.8	49.2





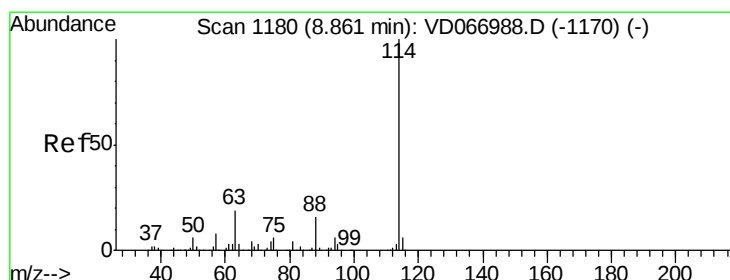
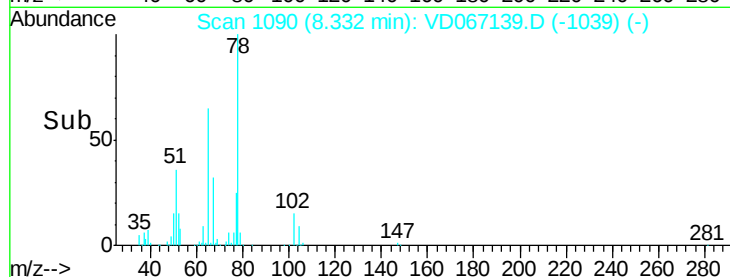
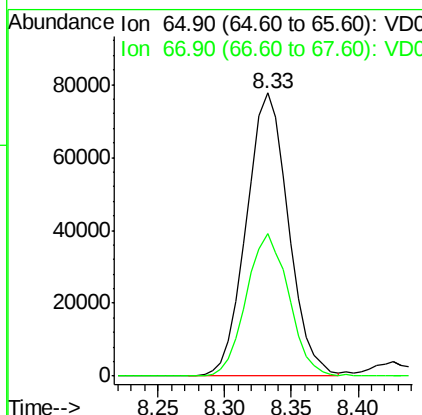
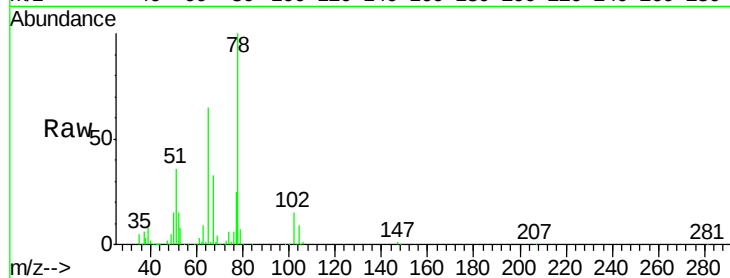
#33
 1,2-Dichloroethane-d4
 Concen: 55.347 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169196		
67	50.9	0.0	106.8	

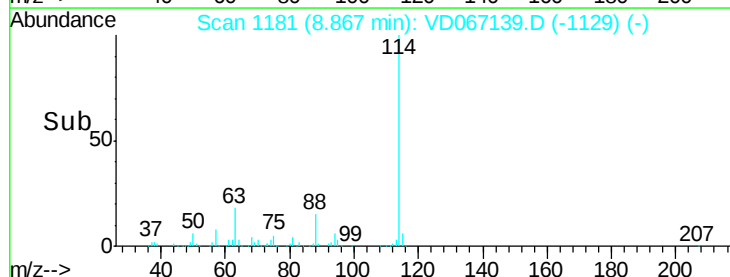
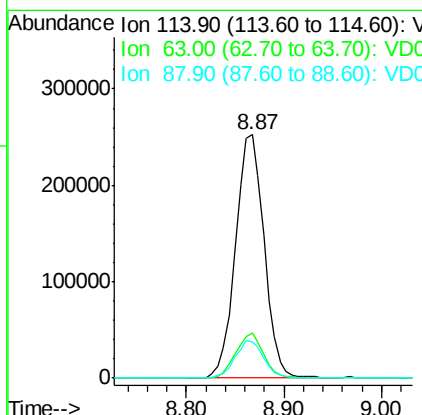
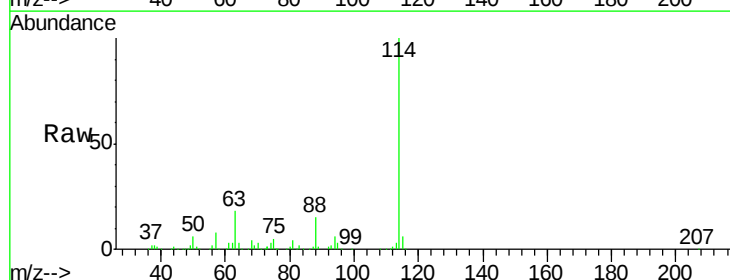
Manual Integrations
 APPROVED

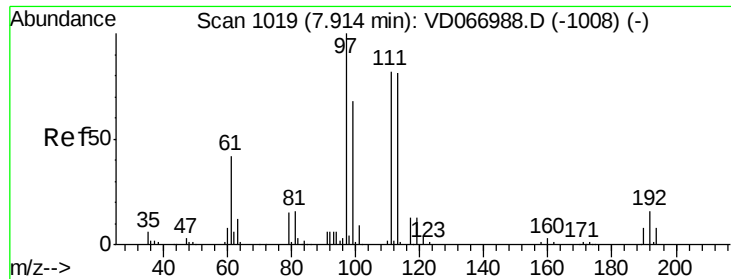
MMDadoda
 10/7/2020 12:10:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	516388		
63	18.5	0.0	38.4	
88	14.8	0.0	31.2	





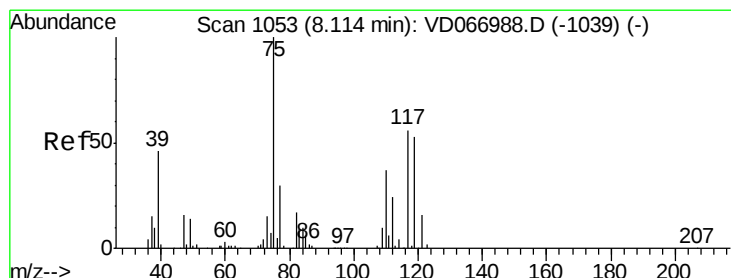
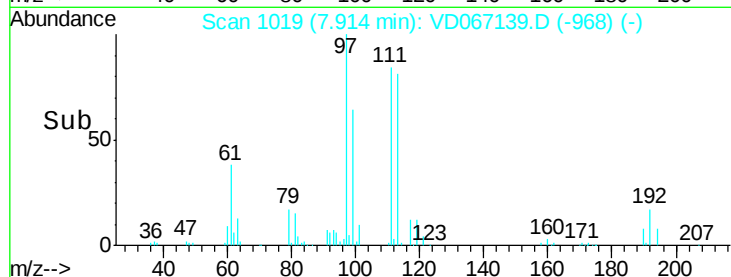
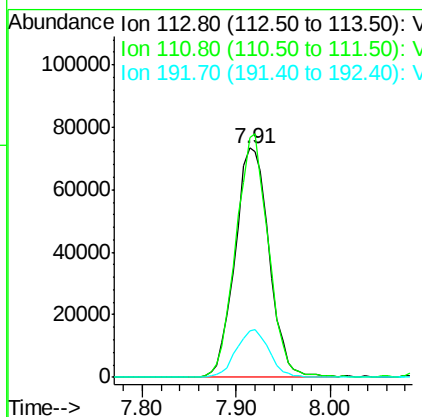
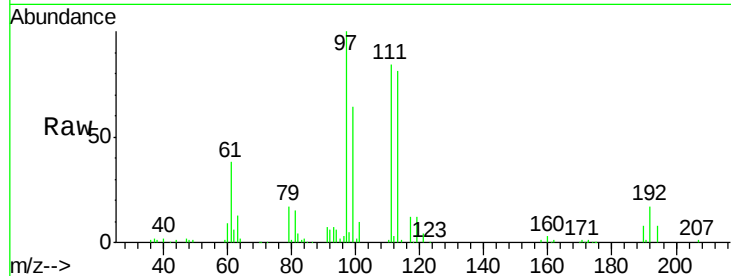
#35
Dibromofluoromethane
Concen: 54.506 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184267		
111	101.8	83.0	124.4	
192	20.2	15.5	23.3	

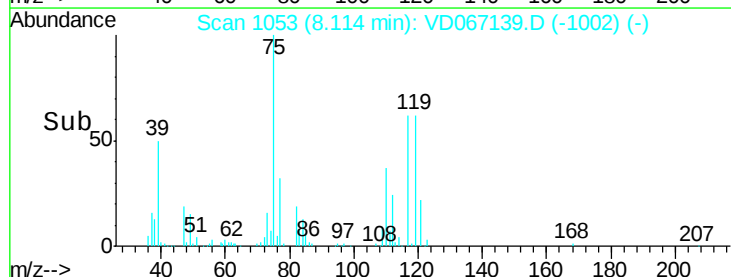
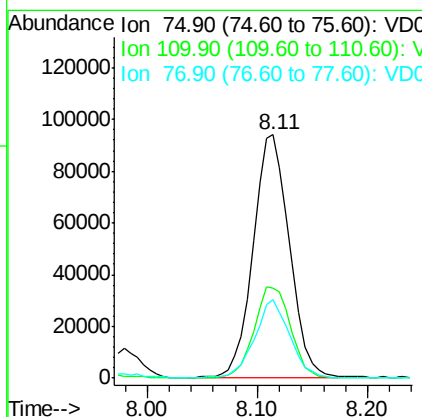
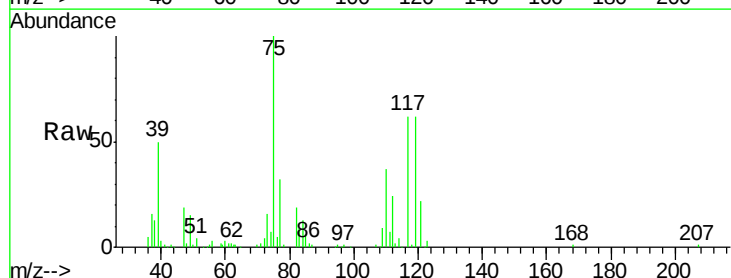
Manual Integrations
APPROVED

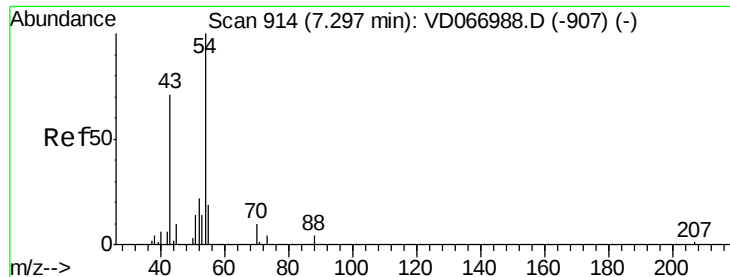
MMDadoda
10/7/2020 12:10:14 PM



#36
1,1-Dichloropropene
Concen: 44.712 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	215214		
110	38.4	18.4	55.0	
77	31.7	24.8	37.2	





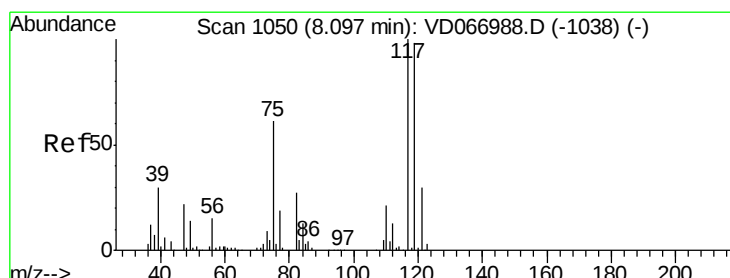
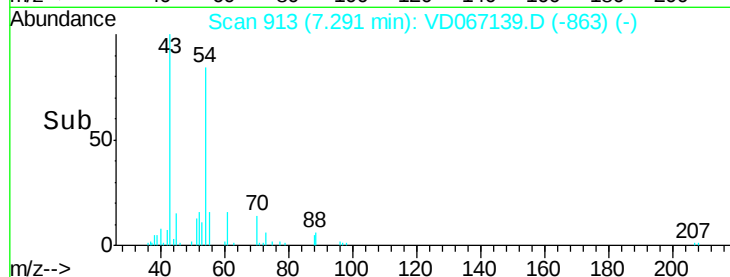
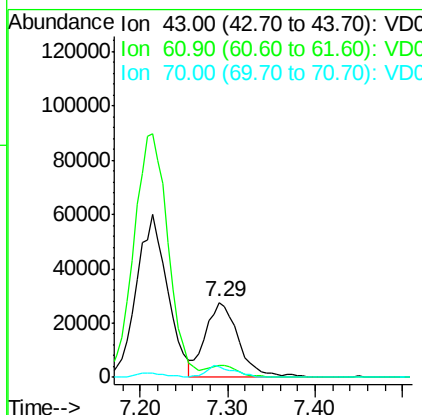
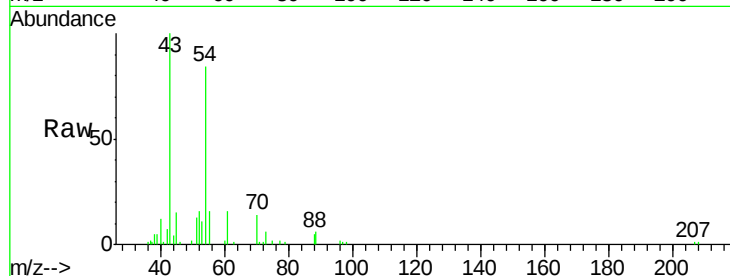
#37
Ethyl Acetate
Concen: 43.640 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.5	18.7
70	13.3	9.4	14.0

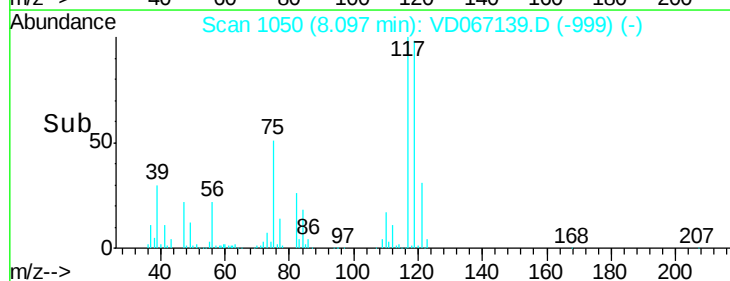
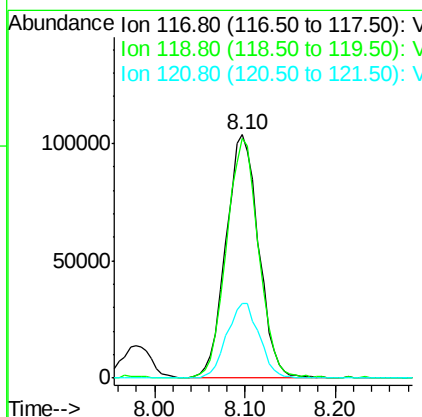
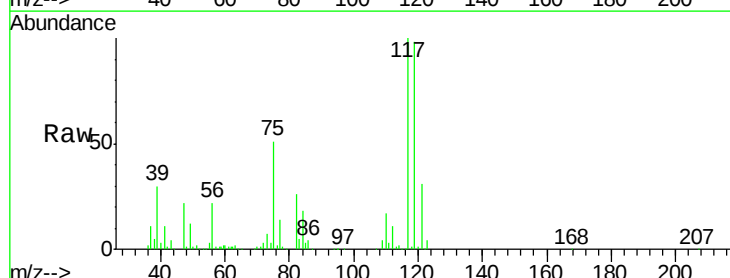
Manual Integrations
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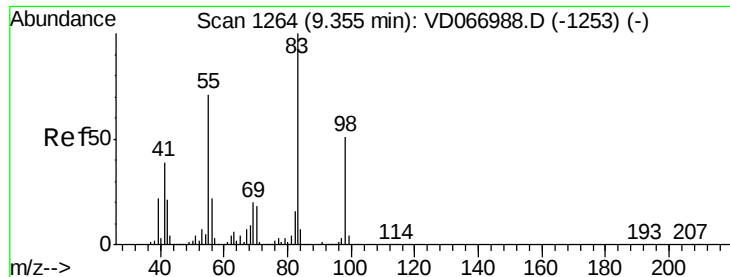
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.709 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	78.7	118.1
121	30.8	24.2	36.2





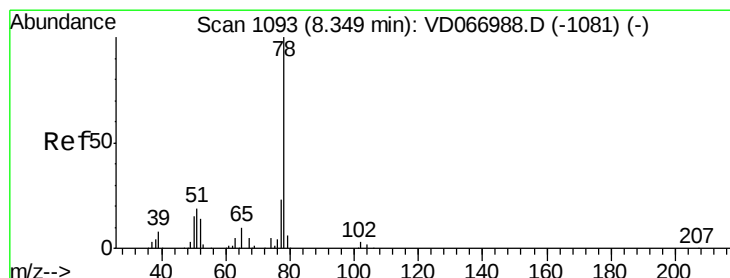
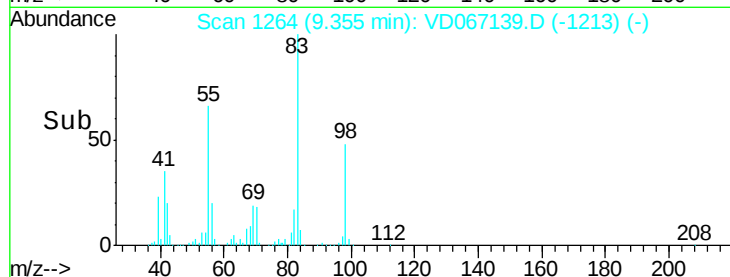
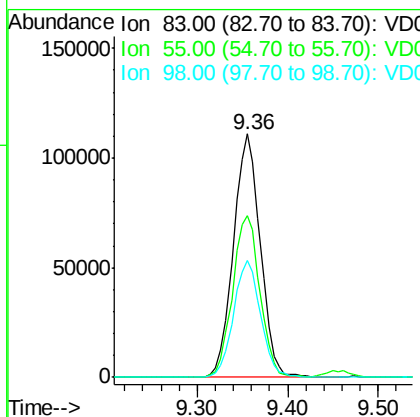
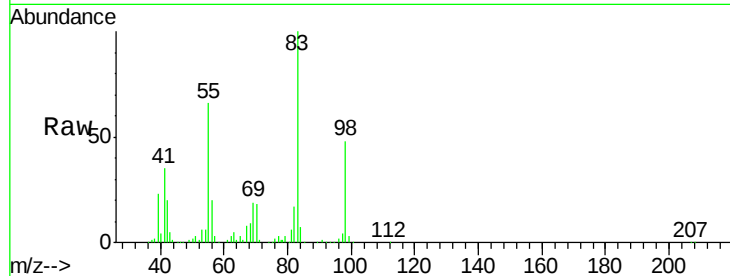
#39
Methvlcvclohexane
Concen: 45.046 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.2	57.1	85.7
98	48.0	40.9	61.3

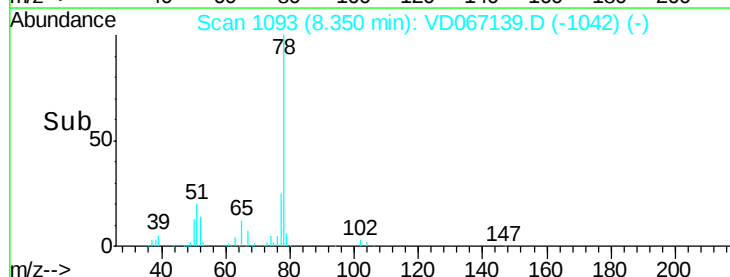
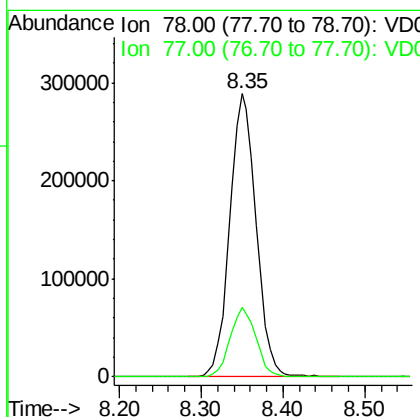
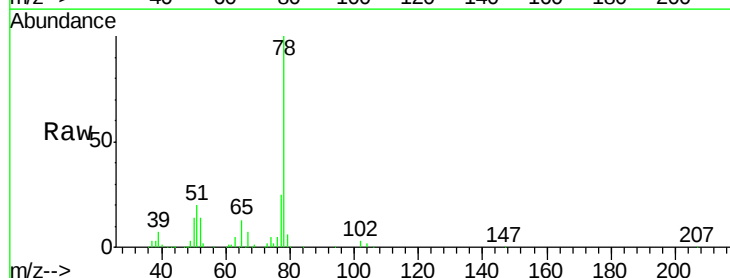
Manual Integrations
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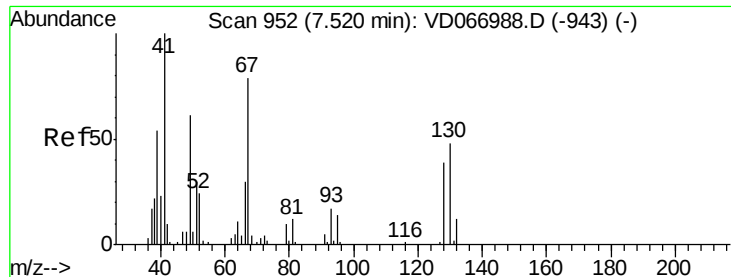
MMDadoda
10/7/2020 12:10:14 PM



#40
Benzene
Concen: 48.431 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.4	27.6





#41

Methacrylonitrile

Concen: 44.584 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.01 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 40163

Ion Ratio Lower Upper

41 100

39 49.3 0.0 0.0#

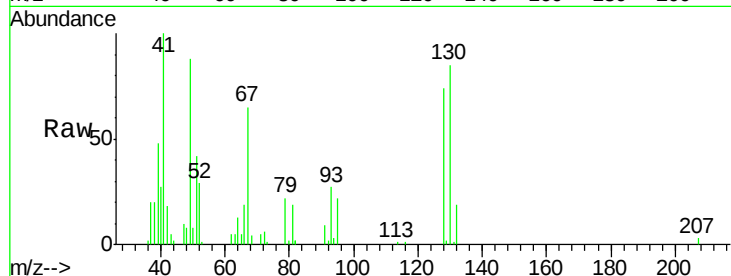
67 88.3 0.0 0.0#

52 36.9 0.0 0.0#

Manual Integrations
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MMDadoda

10/7/2020 12:10:14 PM

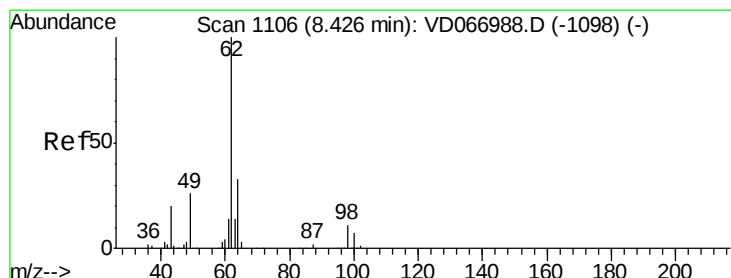
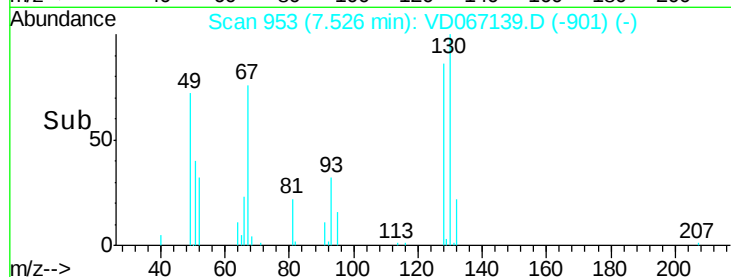
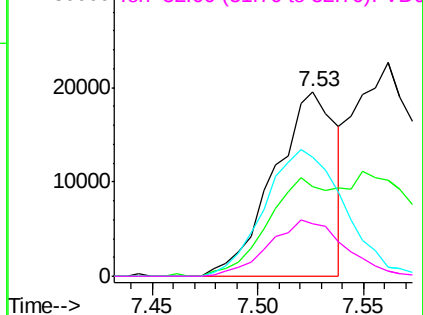


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.871 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067139.D

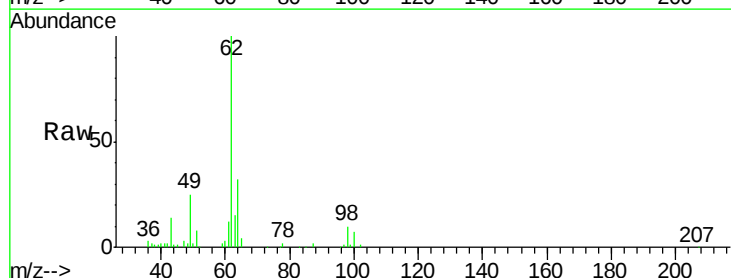
Acq: 07 Oct 2020 06:53

Tgt Ion: 62 Resp: 193779

Ion Ratio Lower Upper

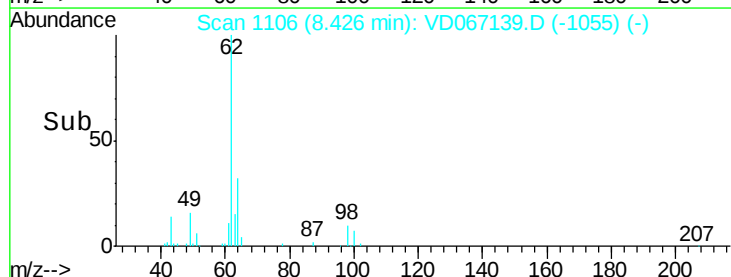
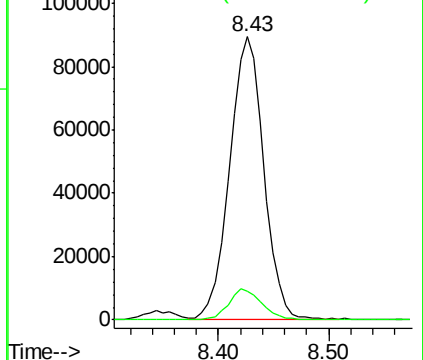
62 100

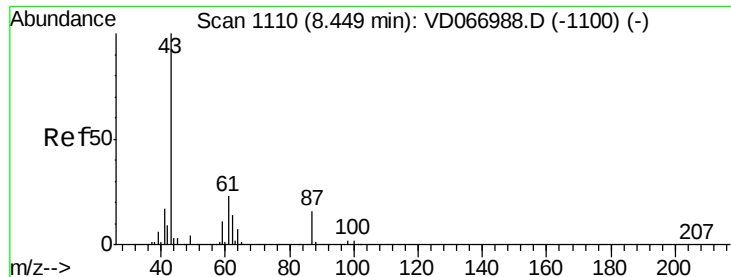
98 10.7 0.0 22.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 45.822 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

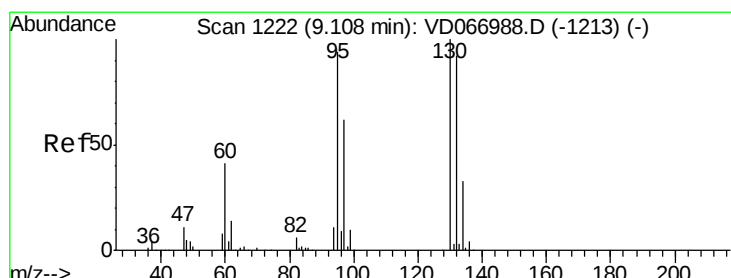
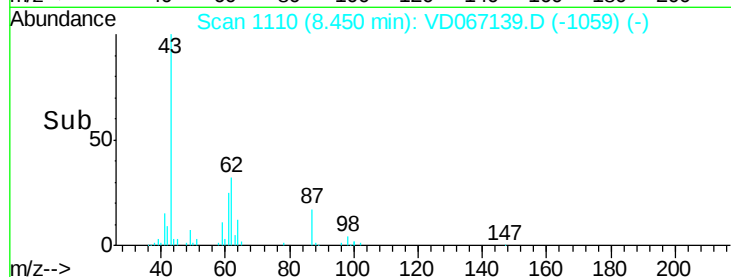
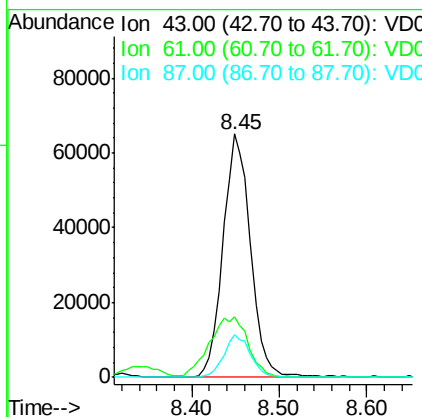
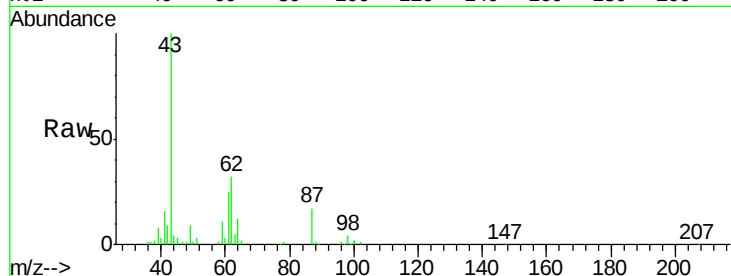
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	140758
Ion	Ratio	Lower	Upper
43	100		
61	34.8	27.1	40.7
87	16.8	12.3	18.5

Manual Integrations
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#44

Trichloroethene

Concen: 49.452 ug/l

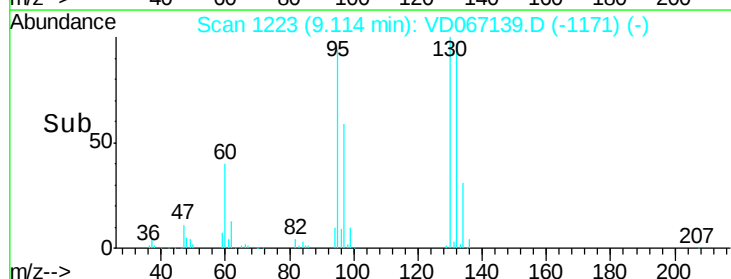
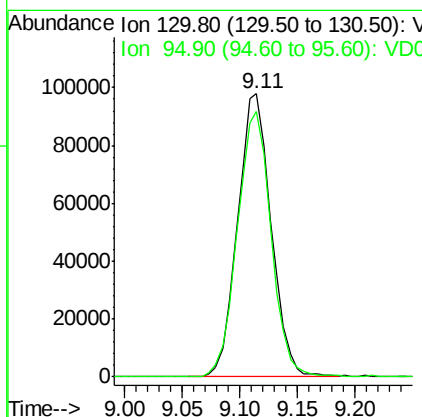
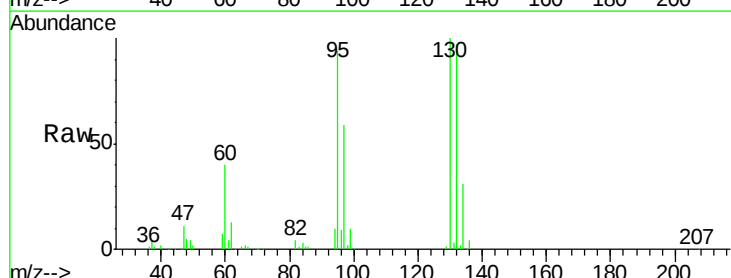
RT: 9.11 min Scan# 1223

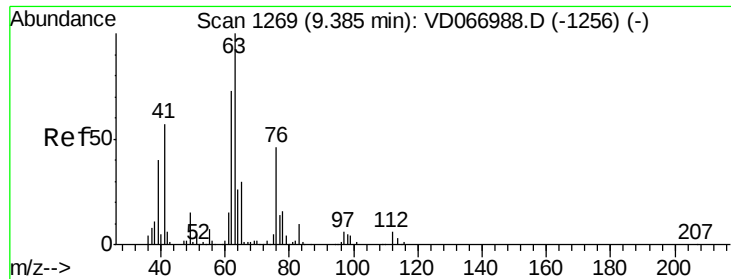
Delta R.T. 0.01 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Tgt Ion:	130	Resp:	197421
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	187.8





#45

1,2-Dichloropropane

Concen: 48.637 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 152782

Ion Ratio Lower Upper

63 100

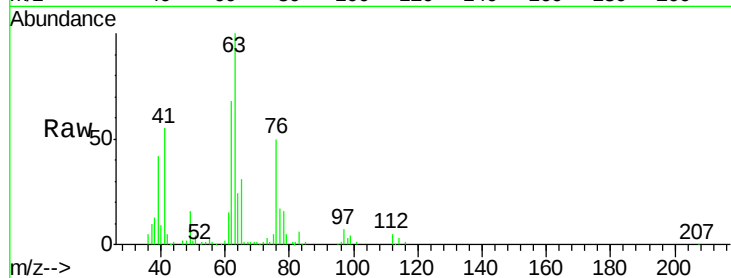
65 30.7 23.7 35.5

Manual Integrations

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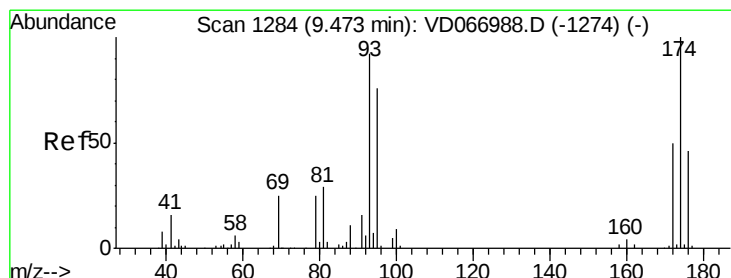
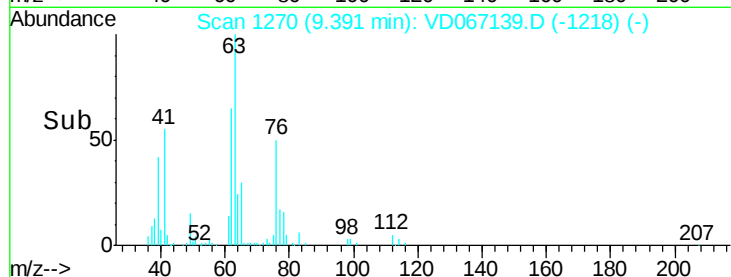
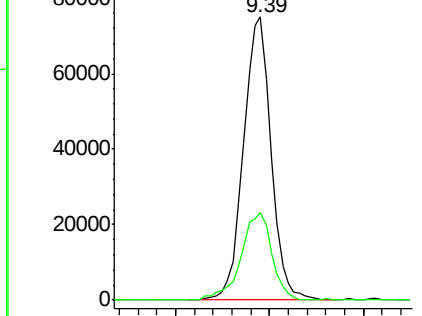
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 51.704 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

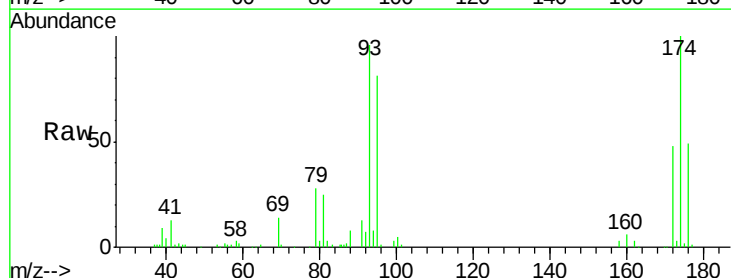
Tgt Ion: 93 Resp: 93349

Ion Ratio Lower Upper

93 100

95 81.4 64.7 97.1

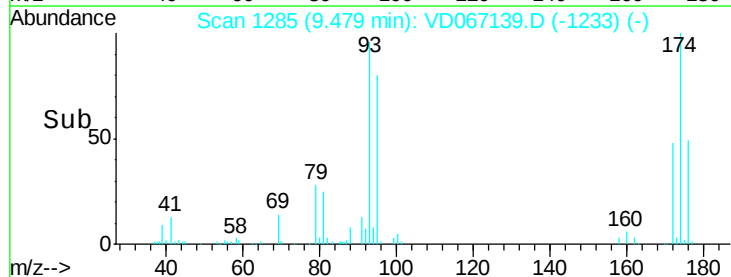
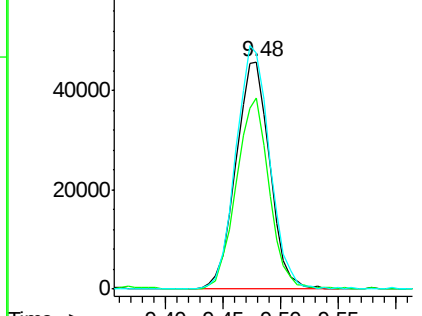
174 106.7 81.4 122.2

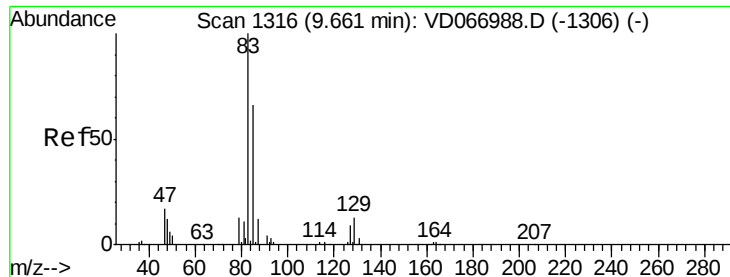


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.708 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

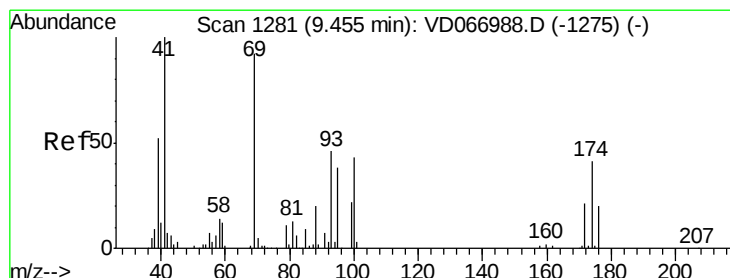
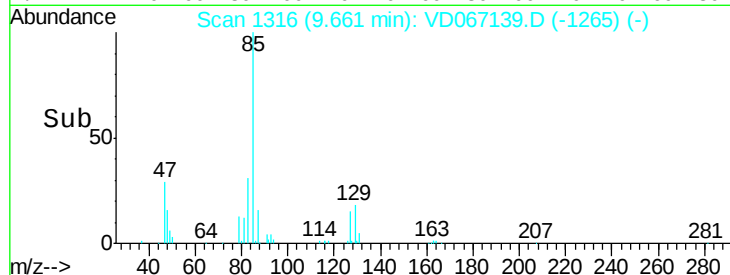
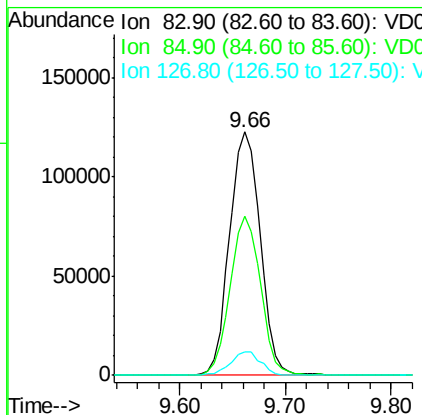
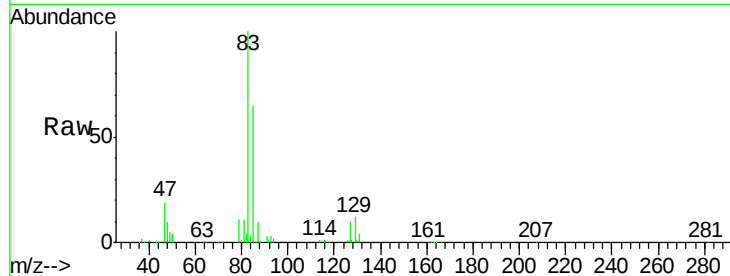
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	247367
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.9	79.3
127	9.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 43.221 ug/l

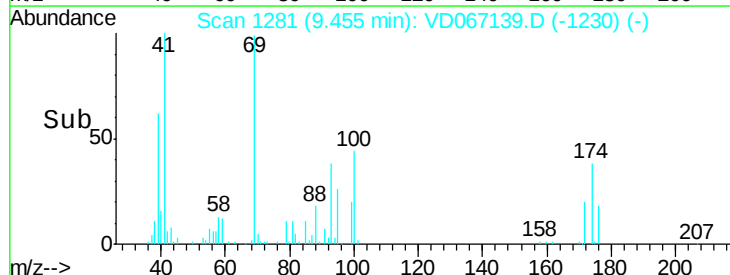
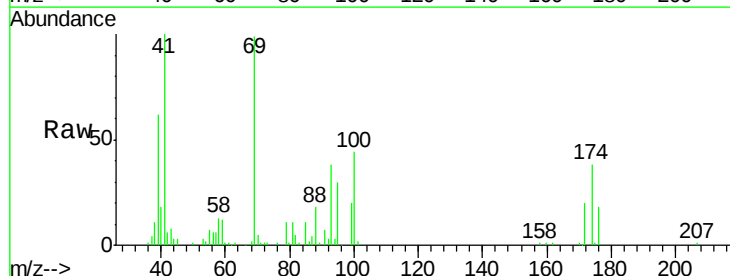
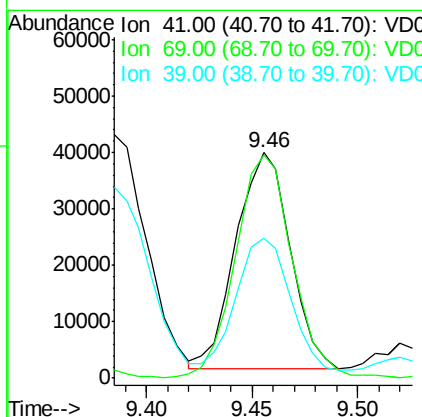
RT: 9.46 min Scan# 1281

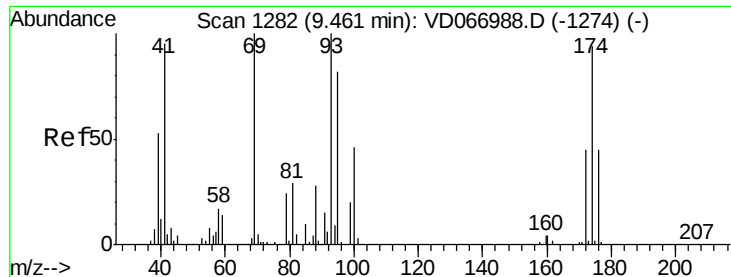
Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Tgt Ion:	41	Resp:	68018
Ion	Ratio	Lower	Upper
41	100		
69	108.3	68.5	102.7#
39	68.2	40.2	60.2#





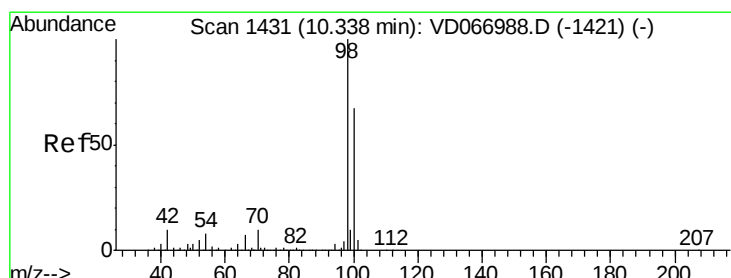
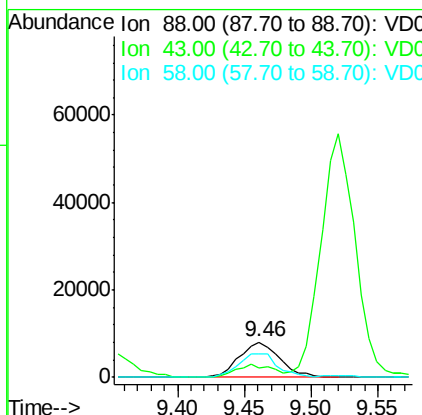
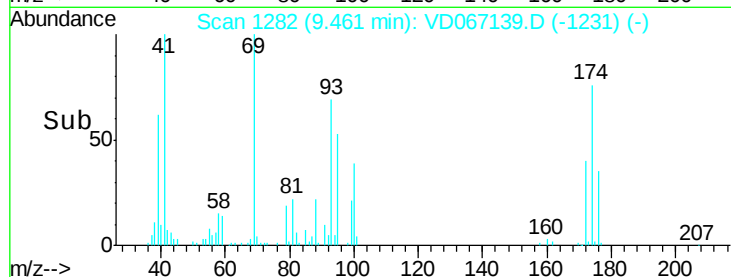
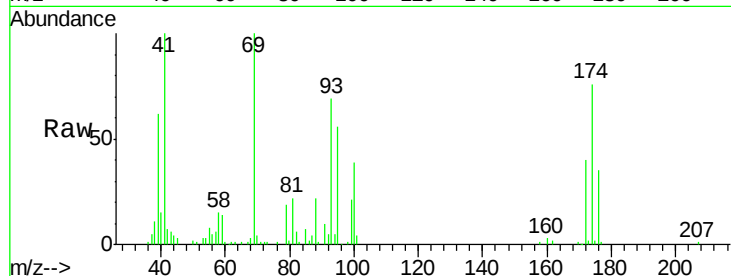
#49
1,4-Dioxane
Concen: 897.625 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	16914
Ion	Ratio	Lower	Upper
88	100		
43	34.3	25.6	38.4
58	64.9	53.5	80.3

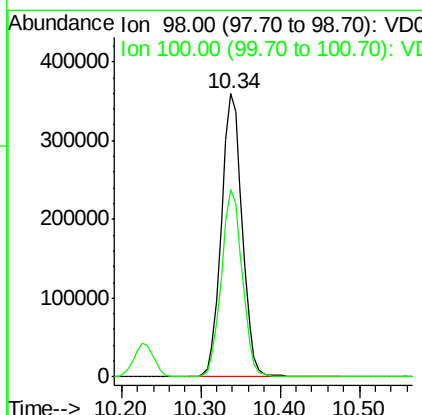
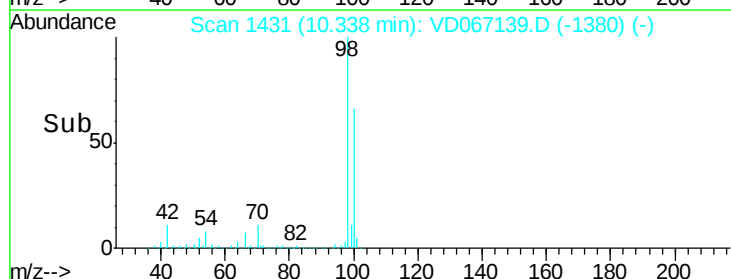
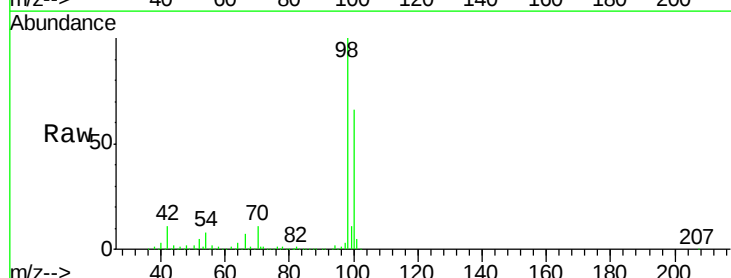
Manual Integrations
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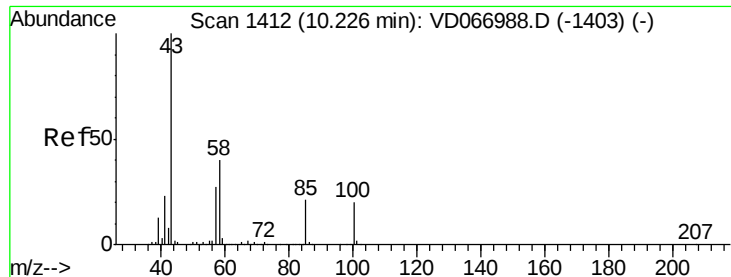
MMDadoda
10/7/2020 12:10:14 PM



#50
Toluene-d8
Concen: 52.946 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion	98	Resp	652239
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.8	79.2





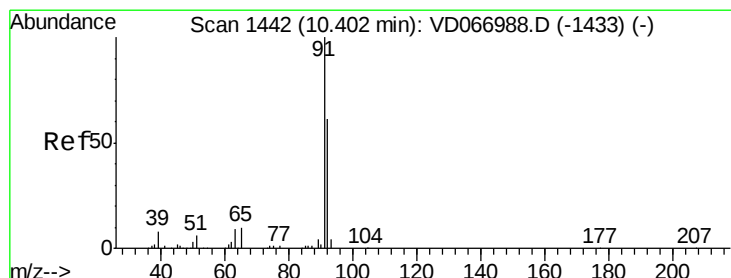
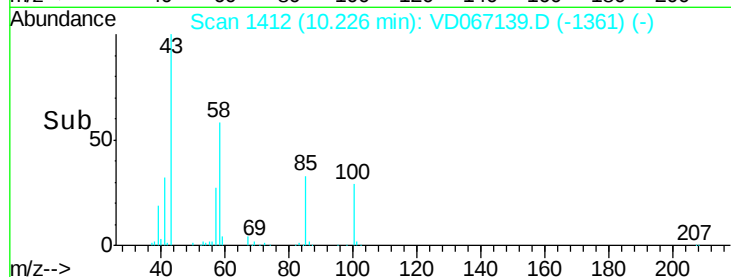
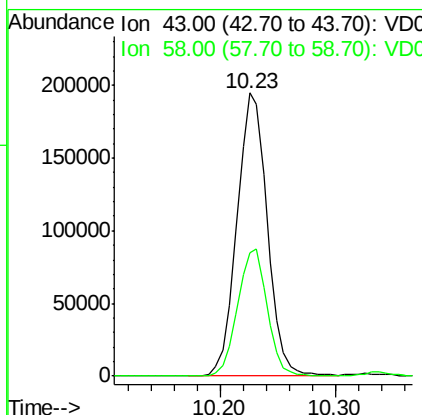
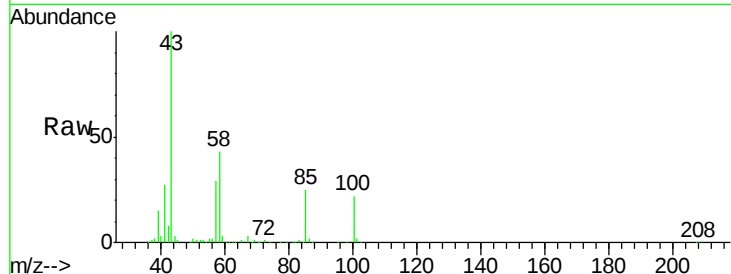
#51
4-Methyl-2-Pentanone
Concen: 231.491 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 354197
Ion Ratio Lower Upper
43 100
58 44.0 33.8 50.8

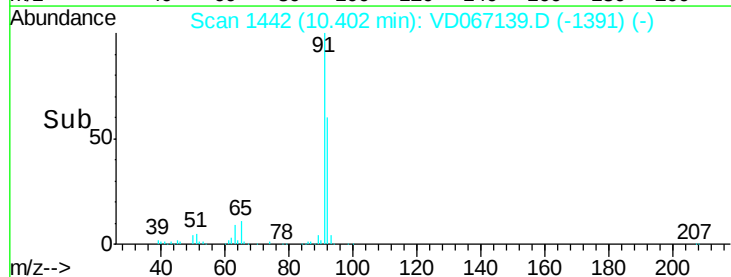
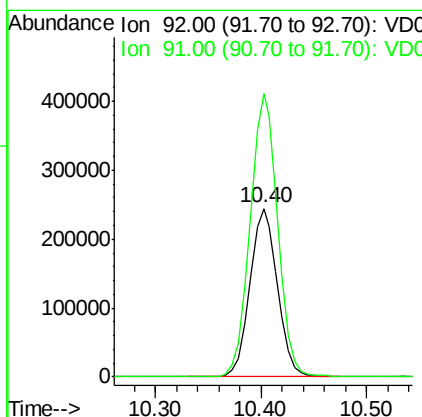
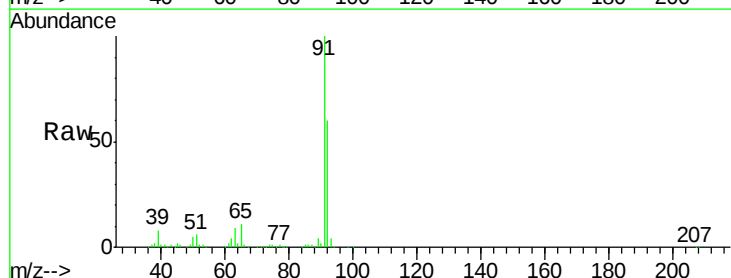
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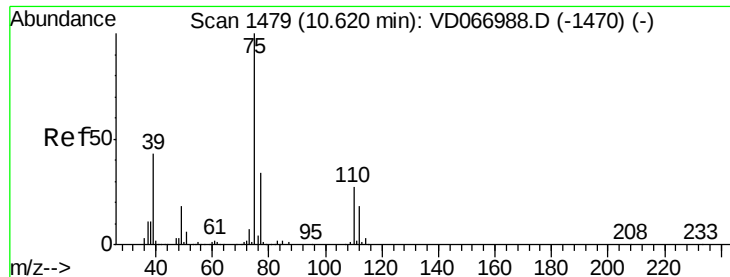
MMDadoda
10/7/2020 12:10:14 PM



#52
Toluene
Concen: 51.373 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion: 92 Resp: 442432
Ion Ratio Lower Upper
92 100
91 169.1 135.1 202.7





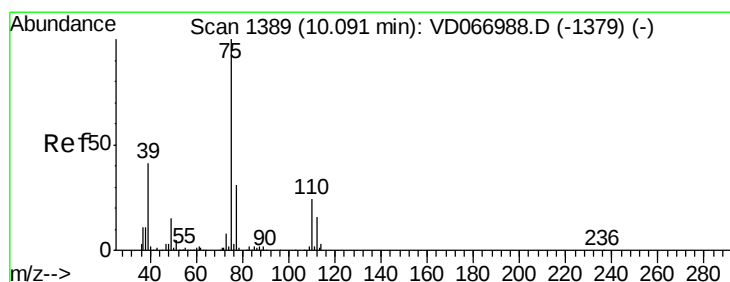
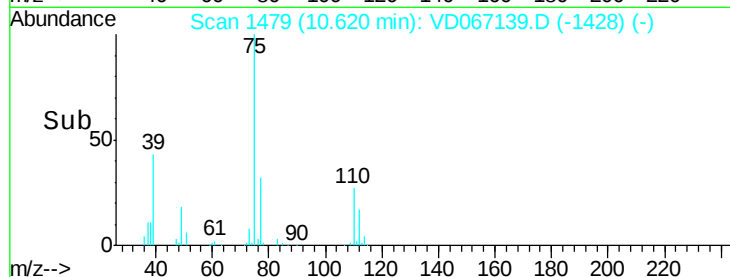
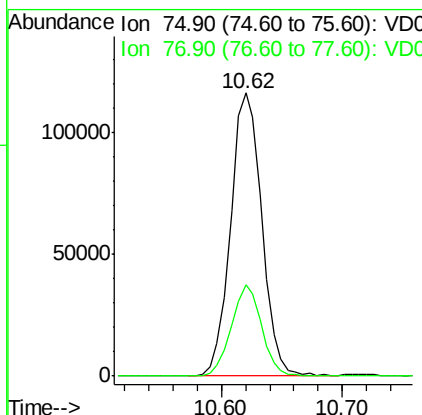
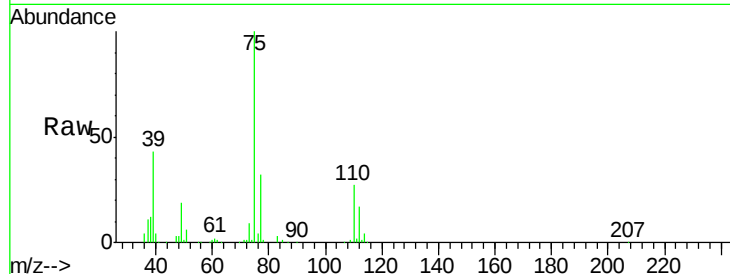
#53
 t-1,3-Dichloropropene
 Concen: 49.855 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	27.1	40.7

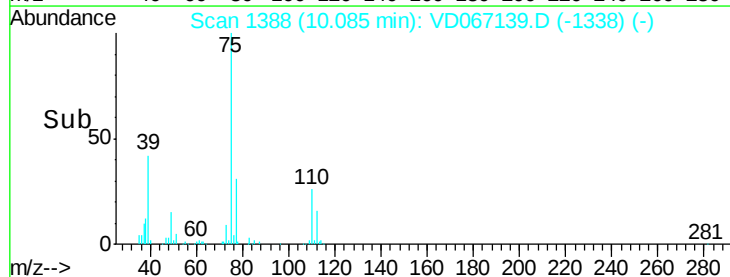
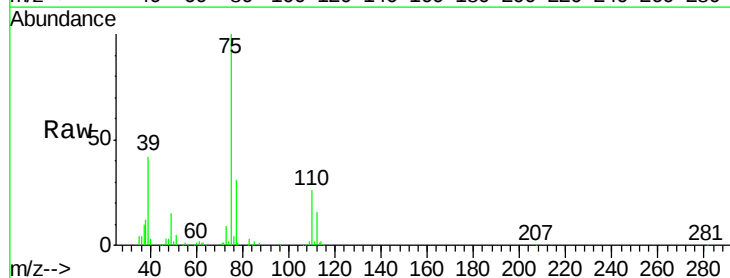
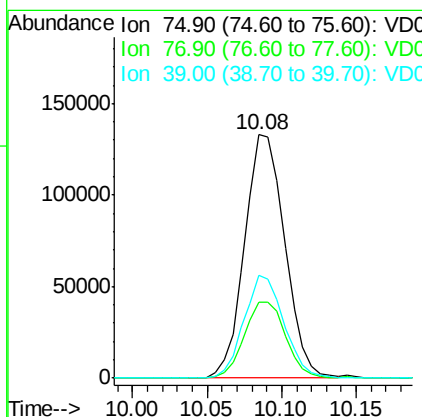
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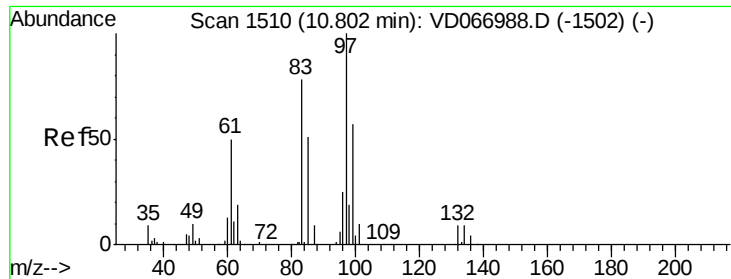
MMDadoda
 10/7/2020 12:10:14 PM



#54
 cis-1,3-Dichloropropene
 Concen: 48.421 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	37.0
39	42.2	33.0	49.4





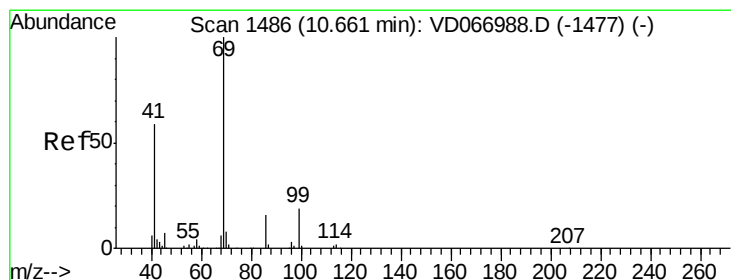
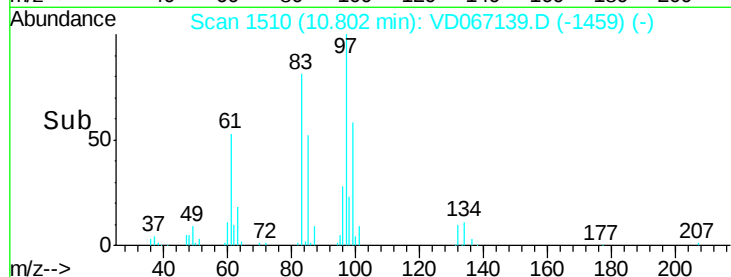
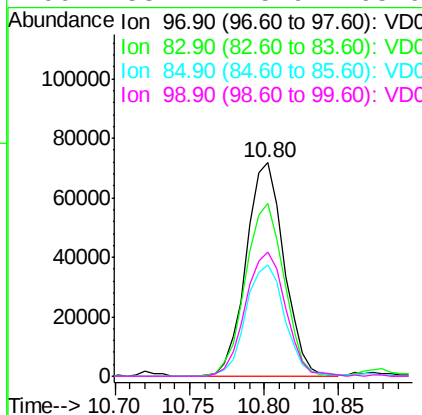
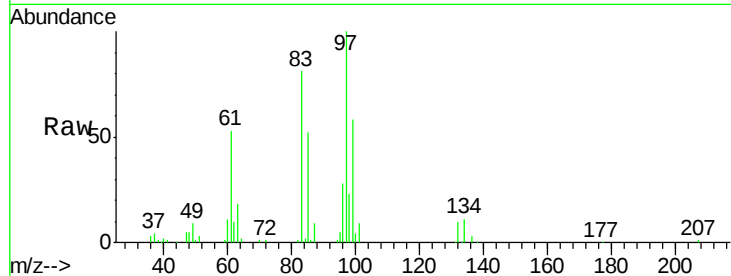
#55
 1,1,2-Trichloroethane
 Concen: 50.345 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	126371
Ion	Ratio	Lower	Upper
97	100		
83	80.8	62.4	93.6
85	52.3	41.0	61.4
99	58.4	45.9	68.9

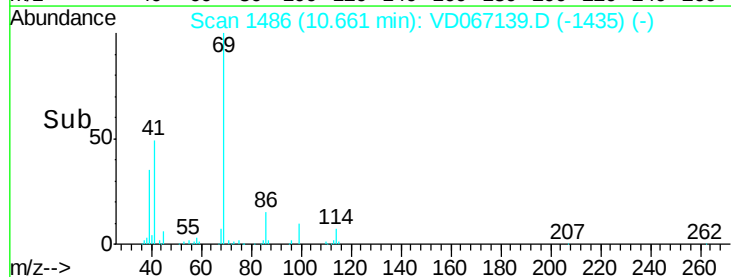
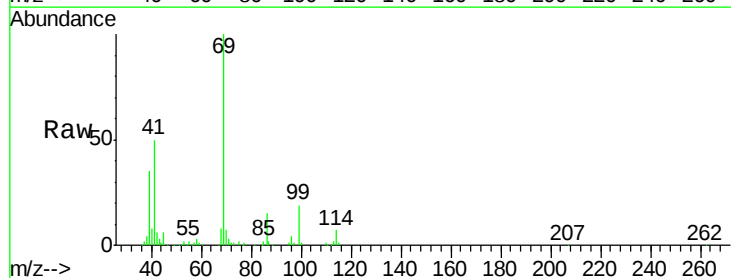
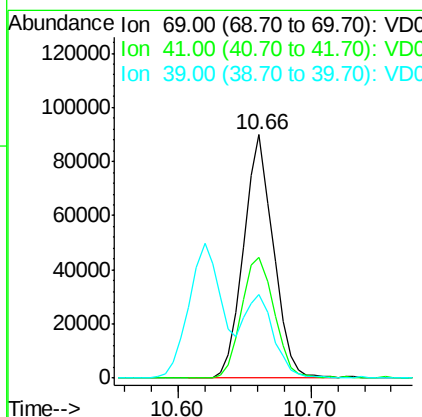
Manual Integrations
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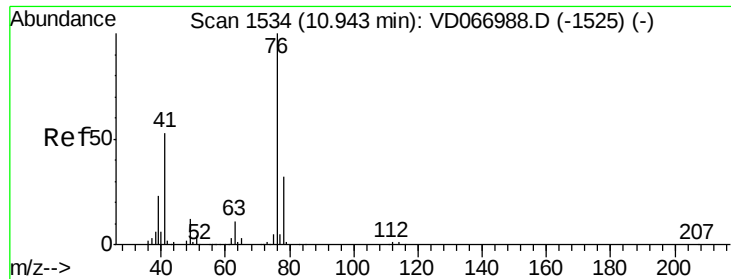
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#56
 Ethyl methacrylate
 Concen: 53.405 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Tgt Ion:	69	Resp:	138400
Ion	Ratio	Lower	Upper
69	100		
41	55.0	46.4	69.6
39	33.5	23.8	35.6





#57

1,3-Dichloropropane

Concen: 50.712 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 206419

Ion Ratio Lower Upper

76 100

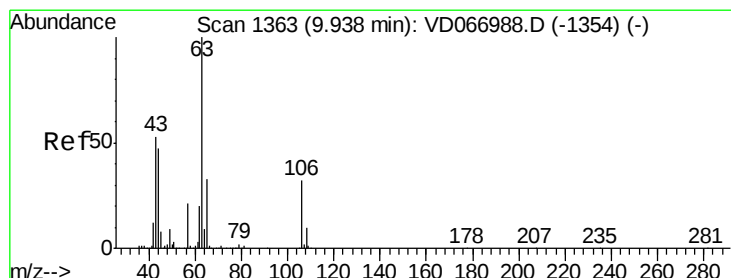
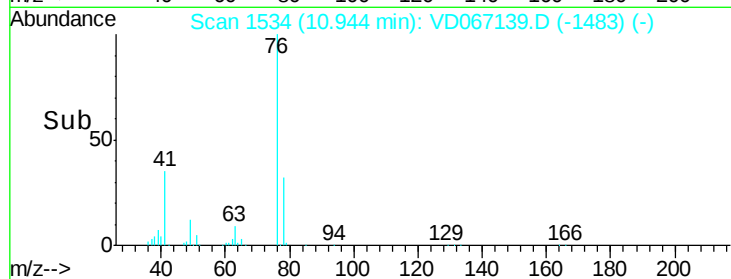
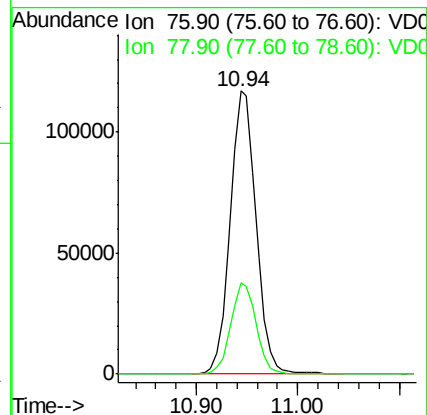
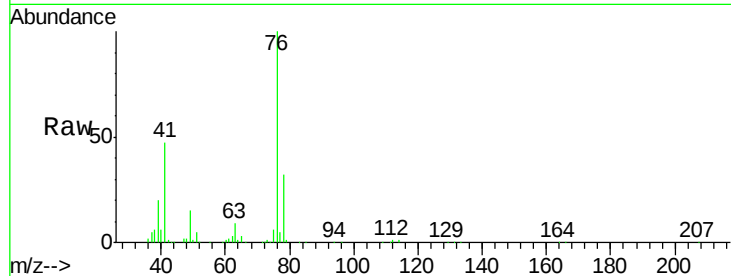
78 31.7 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 258.035 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VD067139.D

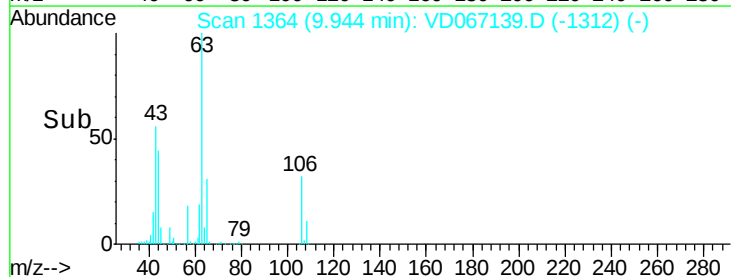
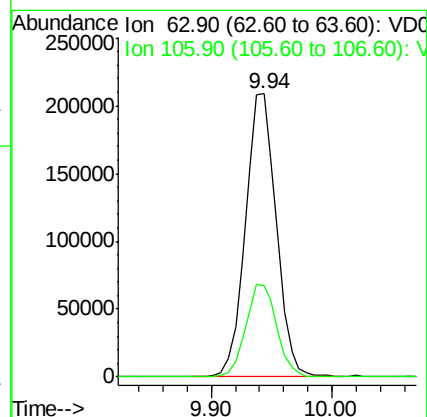
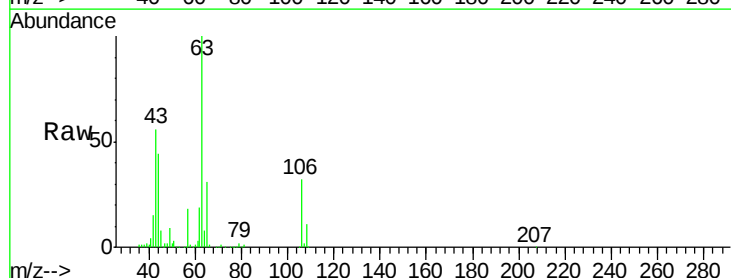
Acq: 07 Oct 2020 06:53

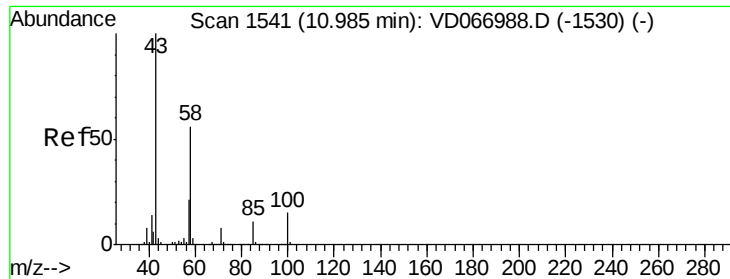
Tgt Ion: 63 Resp: 372191

Ion Ratio Lower Upper

63 100

106 33.0 25.3 37.9





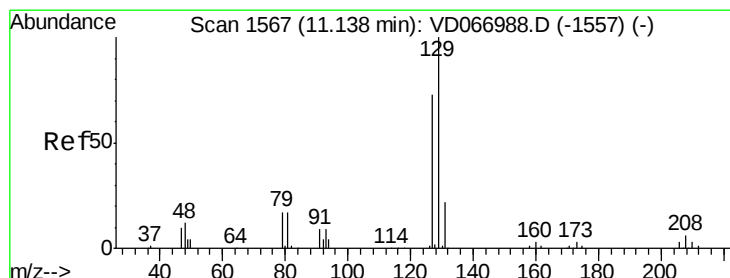
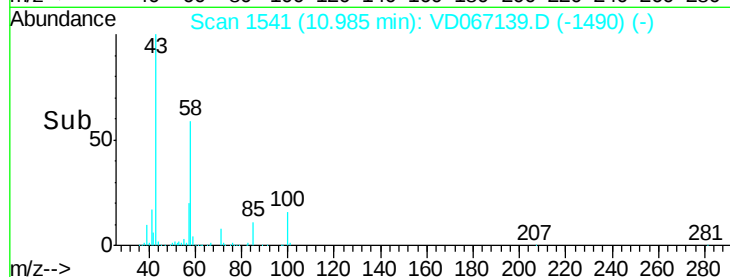
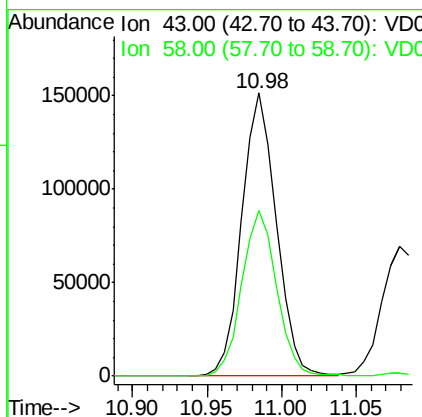
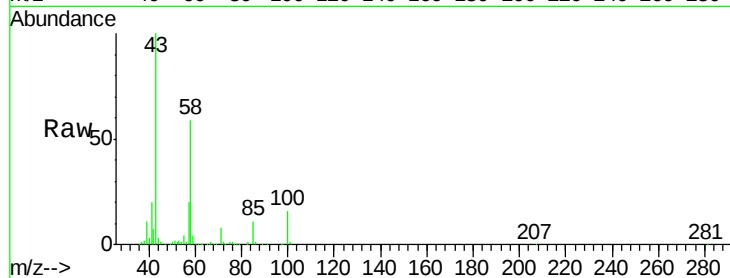
#59
2-Hexanone
Concen: 238.200 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 243257
Ion Ratio Lower Upper
43 100
58 59.1 28.3 84.9

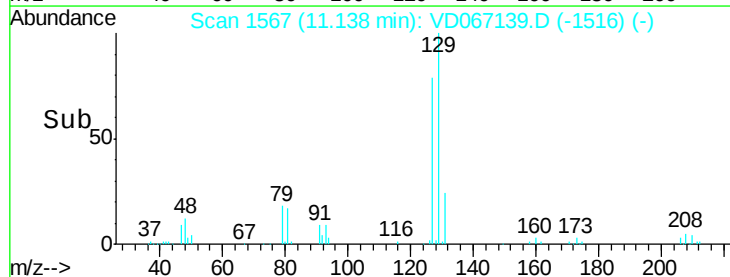
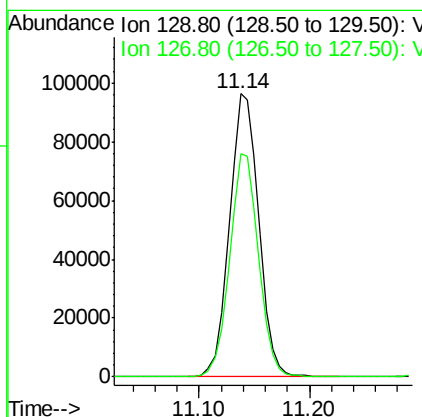
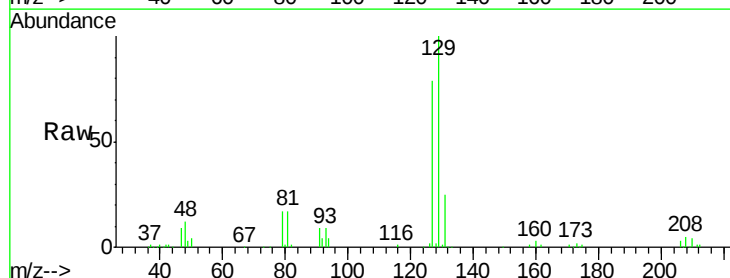
Manual Integrations
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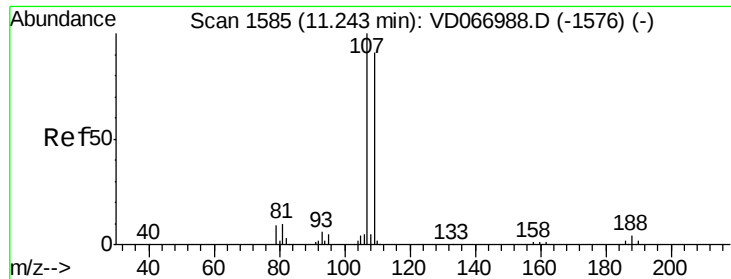
MMDadoda
10/7/2020 12:10:14 PM



#60
Dibromochloromethane
Concen: 53.479 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion:129 Resp: 178918
Ion Ratio Lower Upper
129 100
127 77.6 37.4 112.1





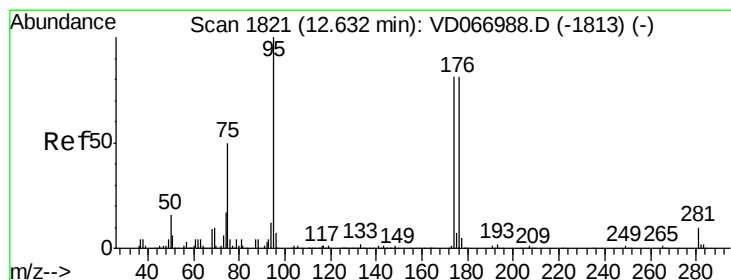
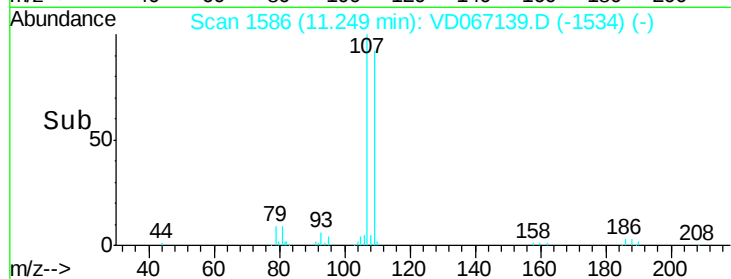
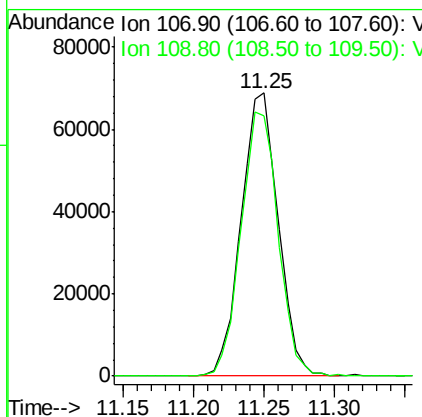
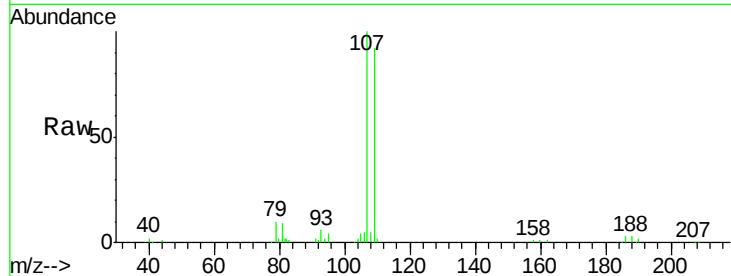
#61
 1,2-Dibromoethane
 Concen: 52.601 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.0	111.0

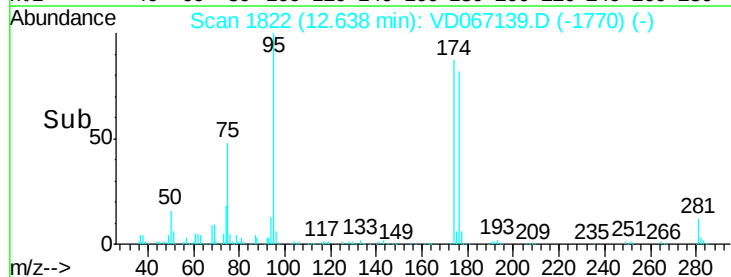
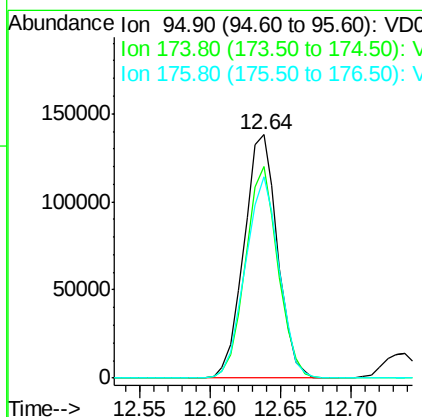
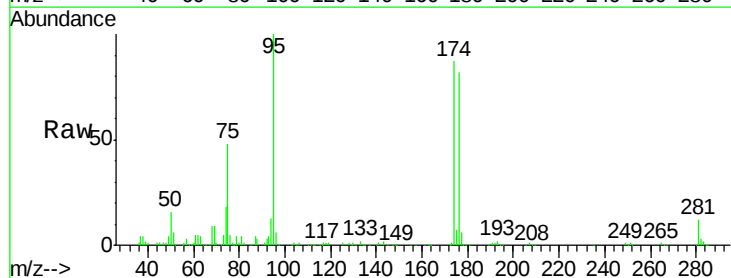
Manual Integrations
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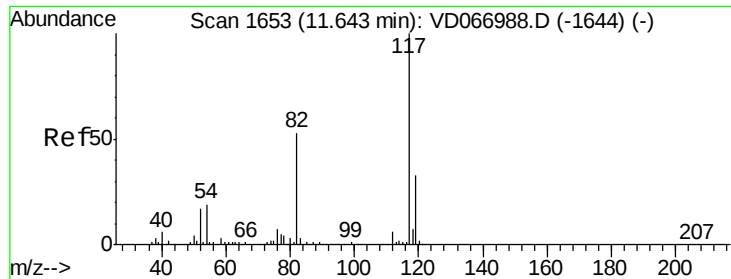
MMDadoda
 10/7/2020 12:10:14 PM



#62
 4-Bromofluorobenzene
 Concen: 54.921 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	167.6
176	83.4	0.0	162.4





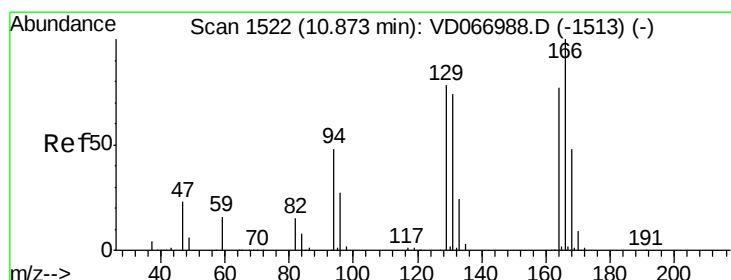
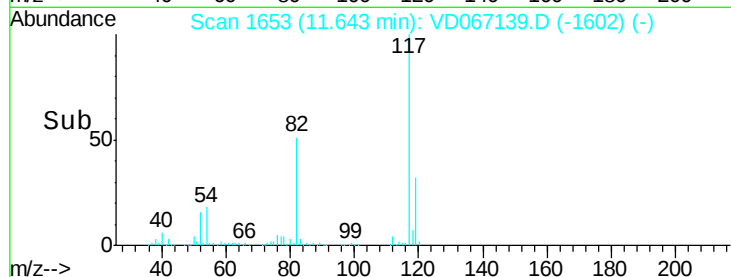
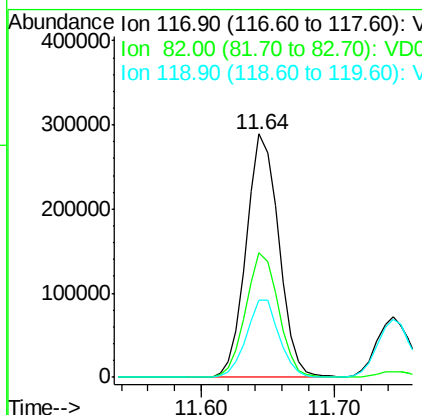
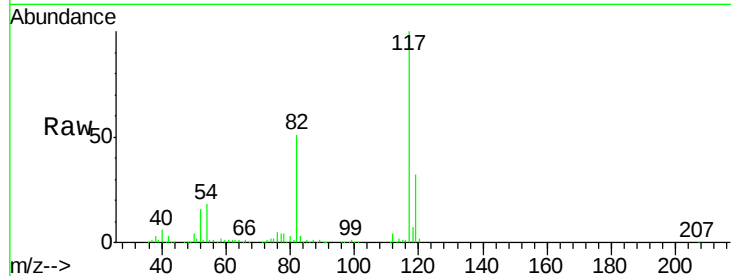
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.6	63.8
119	31.9	26.3	39.5

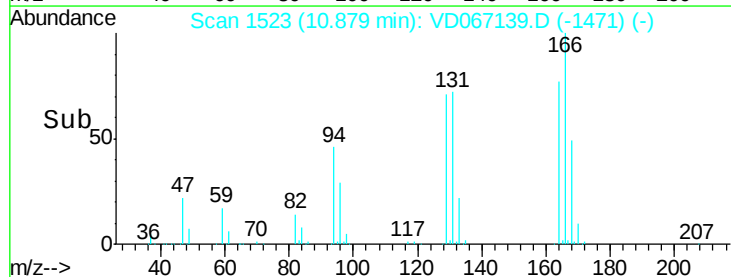
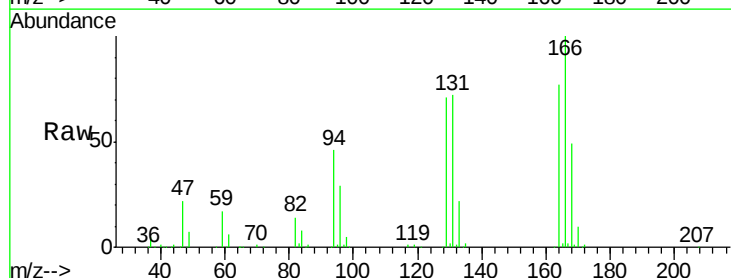
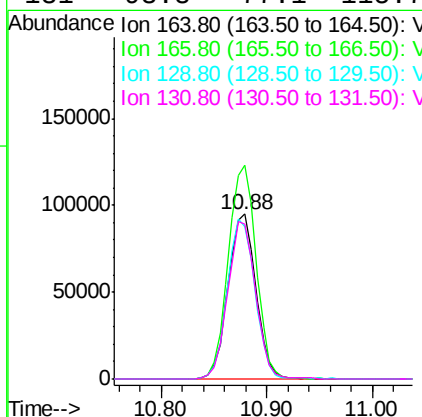
Manual Integrations
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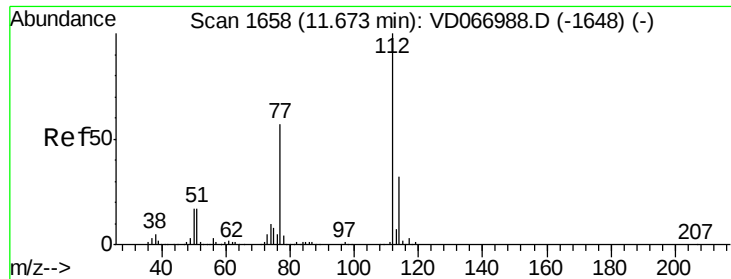
MMDadoda
10/7/2020 12:10:14 PM



#64
Tetrachloroethene
Concen: 48.753 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	104.4	156.6
129	92.2	81.3	121.9
131	93.8	77.1	115.7





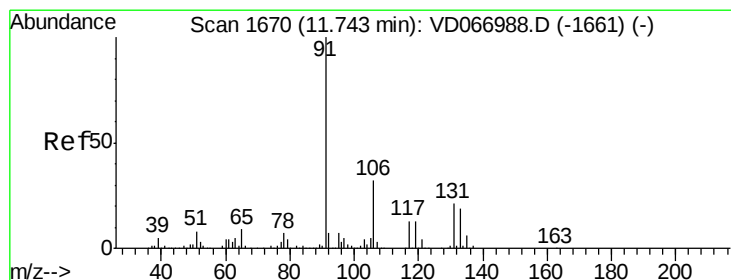
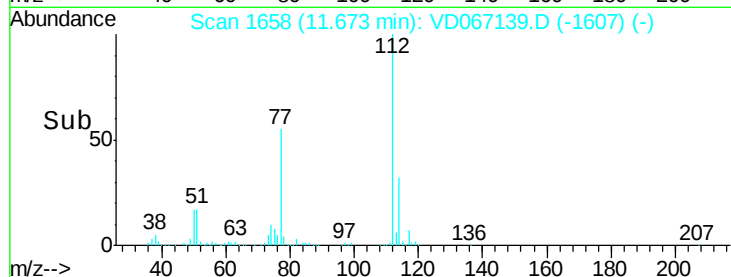
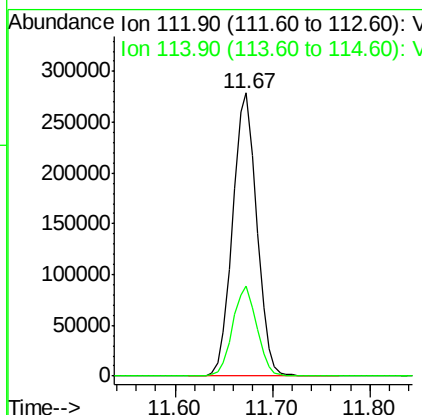
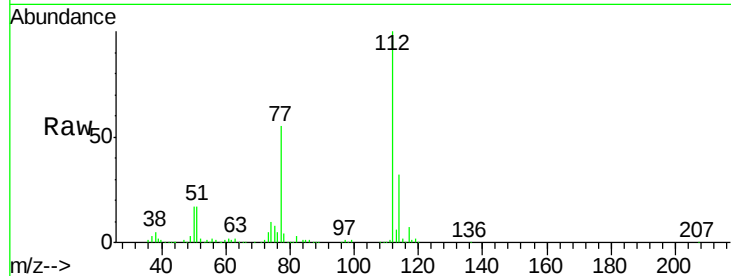
#65
Chlorobenzene
Concen: 49.465 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 479486
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0

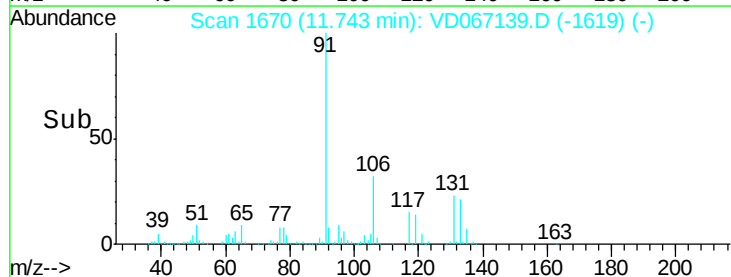
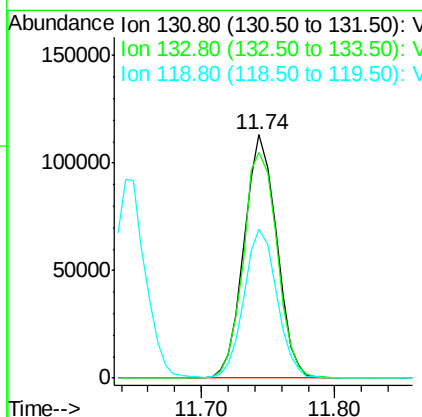
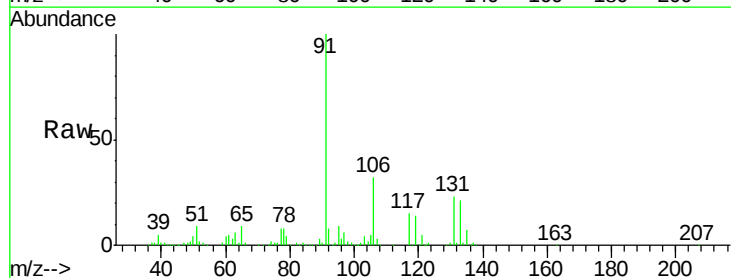
Manual Integrations
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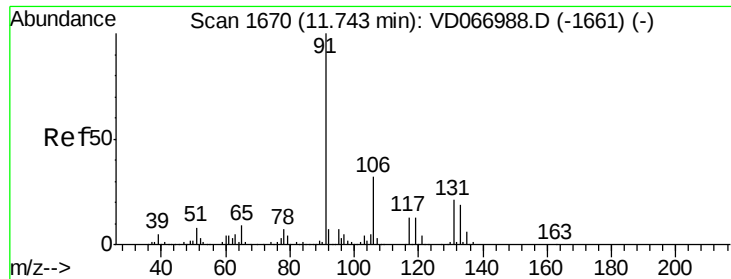
MMDadoda
10/7/2020 12:10:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.984 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion:131 Resp: 191679
Ion Ratio Lower Upper
131 100
133 96.3 47.8 143.3
119 61.7 32.3 96.8





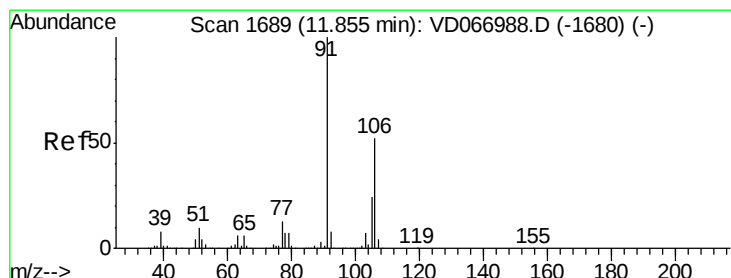
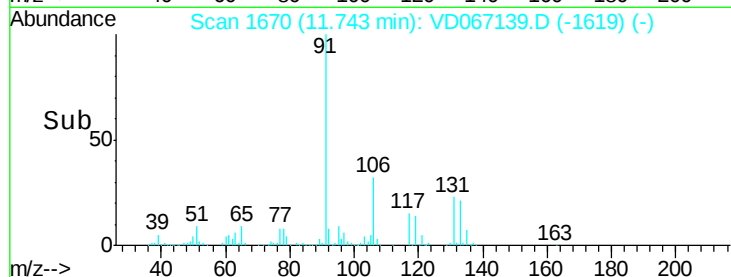
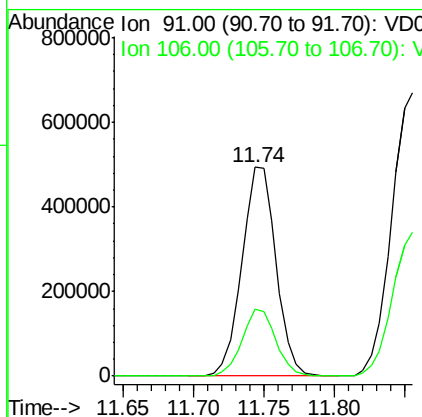
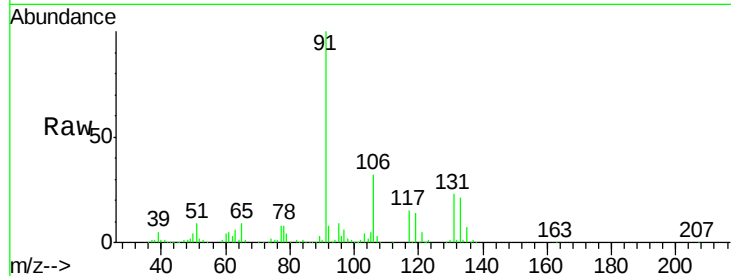
#67
Ethyl Benzene
Concen: 50.445 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 837828
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.2

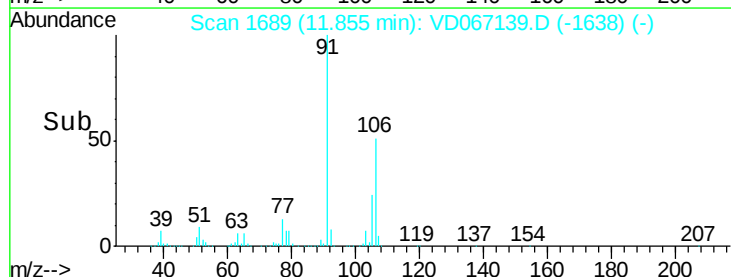
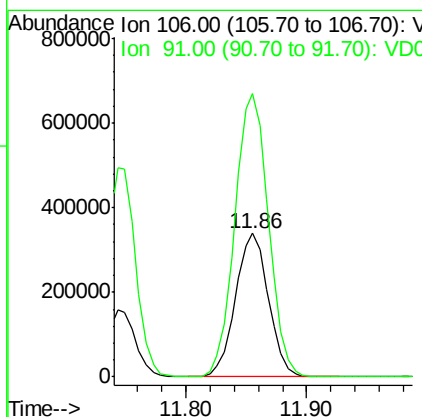
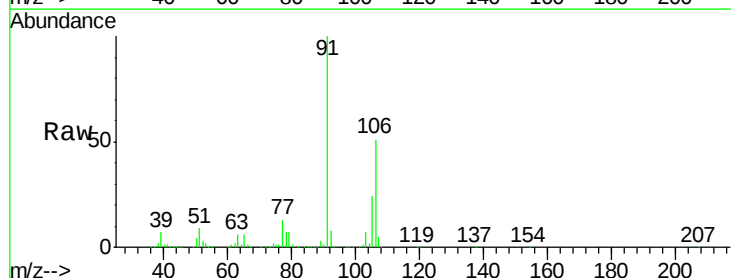
Manual Integrations
APPROVED

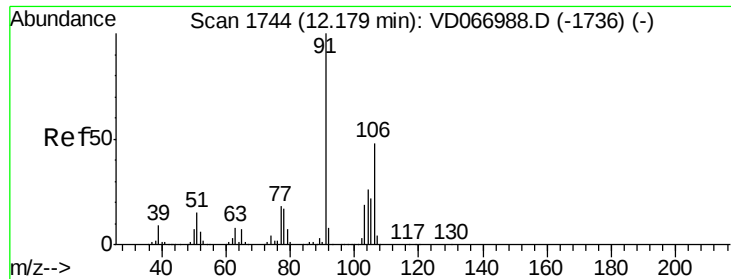
MMDadoda
10/7/2020 12:10:14 PM



#68
m/p-Xylenes
Concen: 99.698 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion: 106 Resp: 645311
Ion Ratio Lower Upper
106 100
91 201.3 158.4 237.6





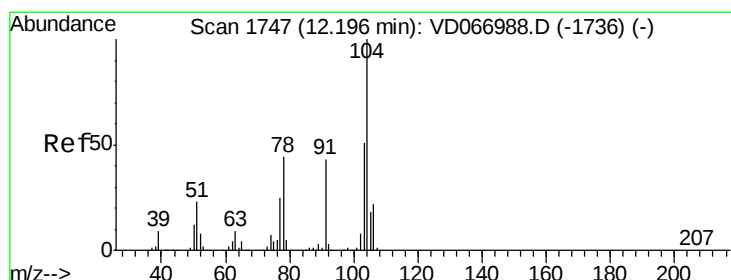
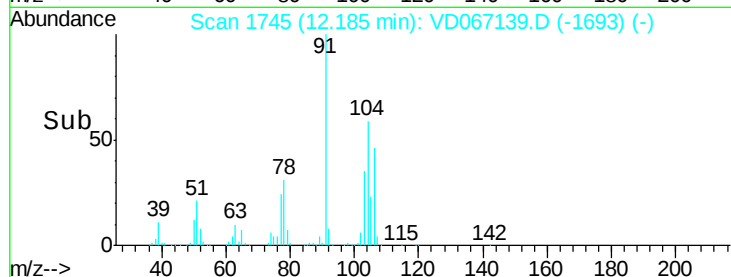
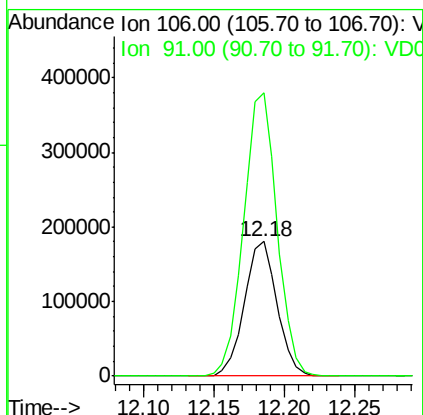
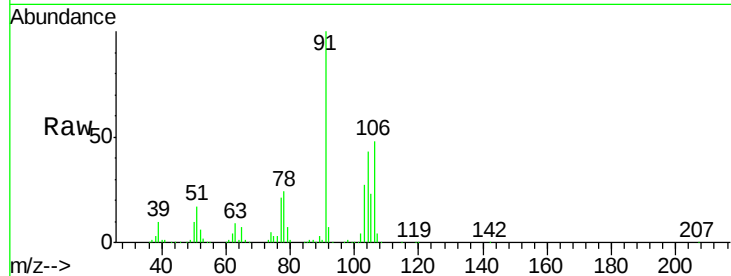
#69
o-Xylene
Concen: 50.580 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 292765
Ion Ratio Lower Upper
106 100
91 215.0 102.4 307.2

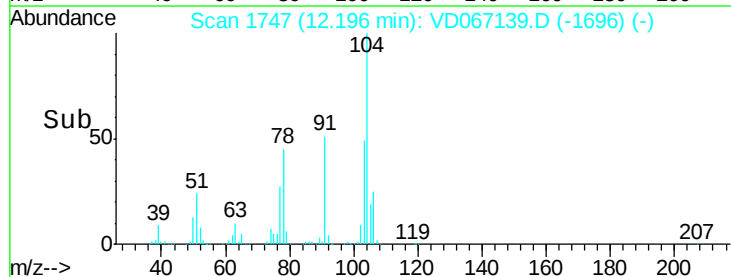
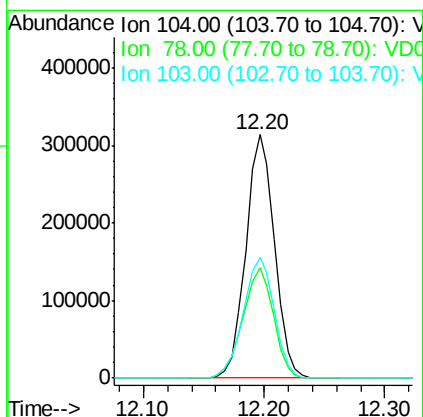
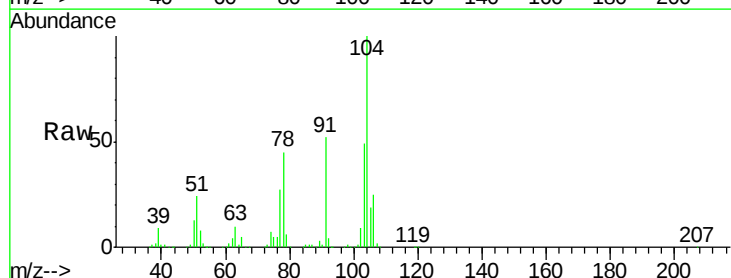
Manual Integrations
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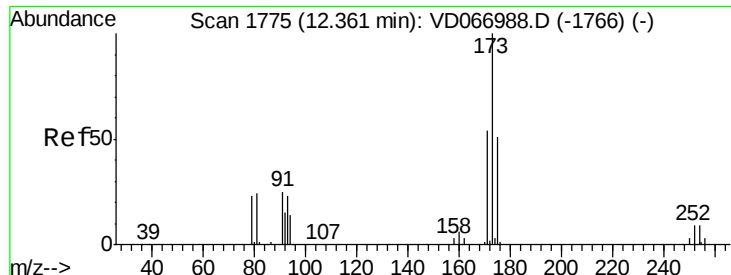
MMDadoda
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#70
Styrene
Concen: 52.313 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion:104 Resp: 519947
Ion Ratio Lower Upper
104 100
78 48.7 38.6 58.0
103 53.9 43.4 65.0





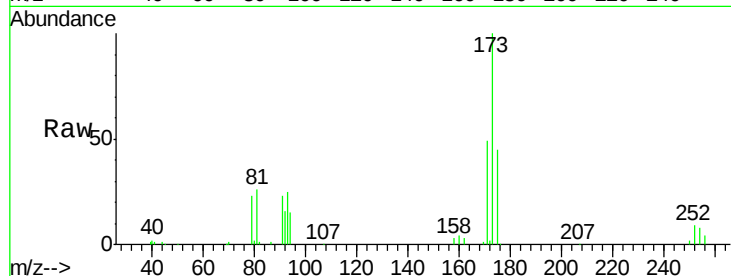
#71
Bromoform
Concen: 53.302 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

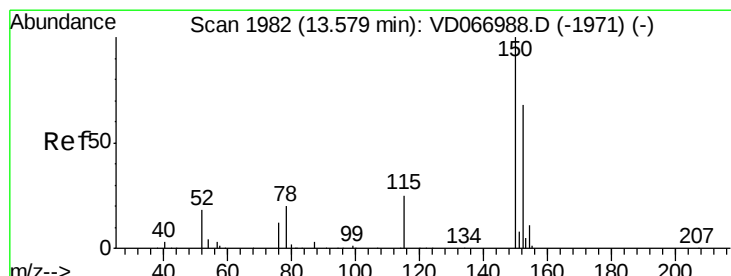
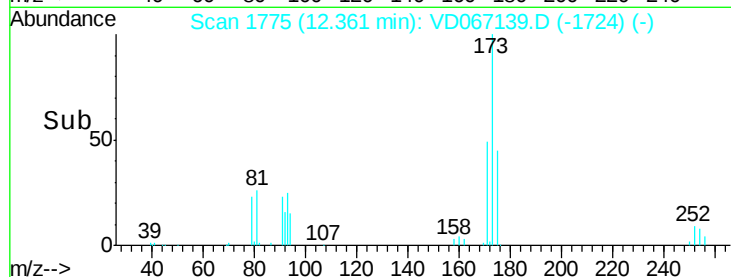
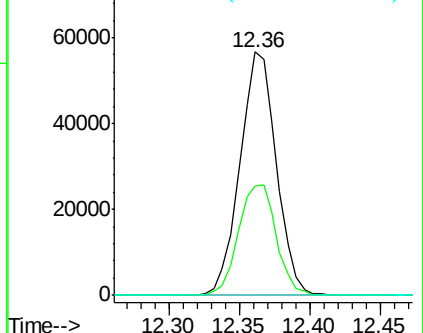
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.9	74.7
254	0.0	0.2	0.4

Manual Integrations
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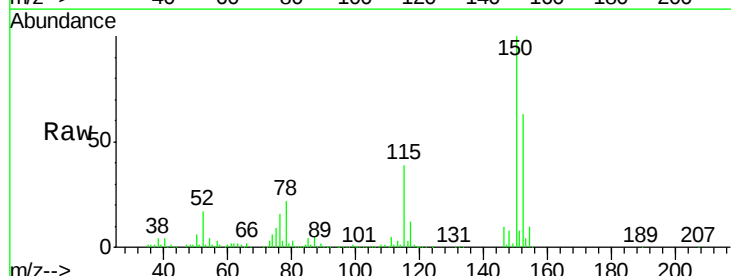


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

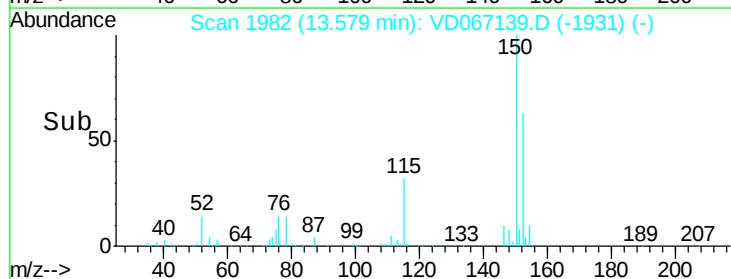
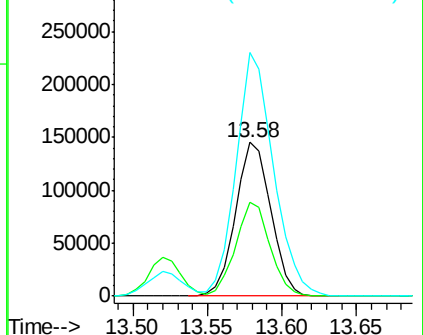


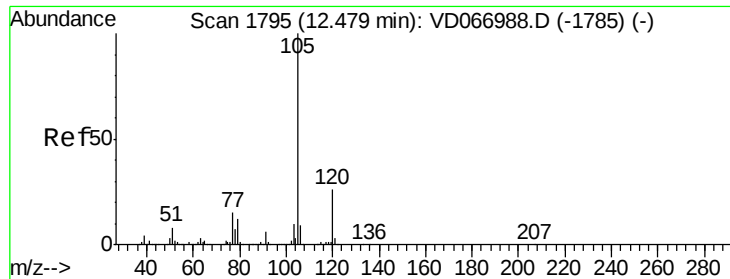
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.6	88.8
150	168.4	0.0	344.8



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





#73

Isopropylbenzene

Concen: 49.729 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 803187

Ion Ratio Lower Upper

105 100

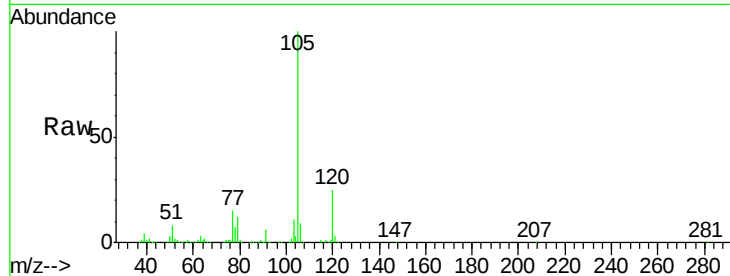
120 26.2 13.3 39.9

Manual Integrations

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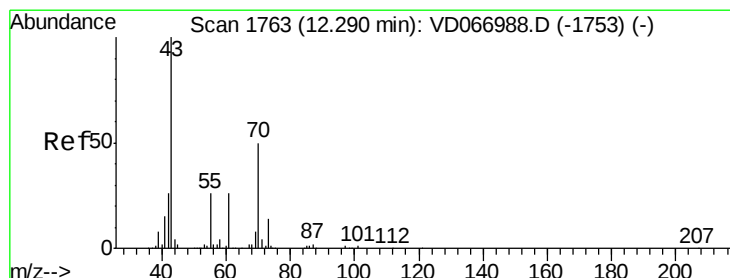
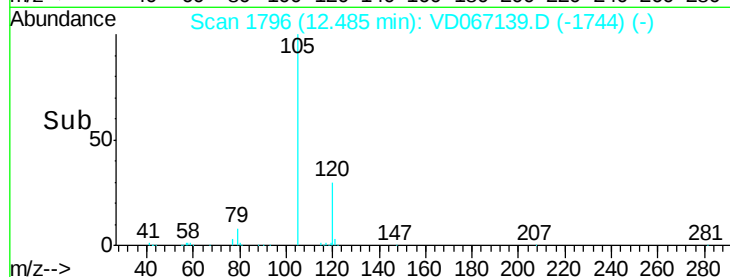
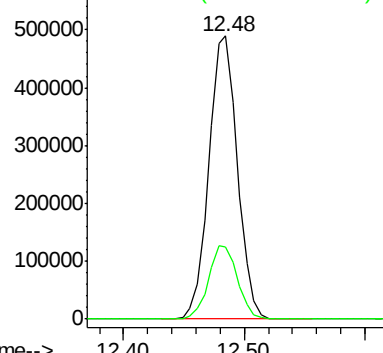
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.077 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Tgt Ion: 43 Resp: 125072

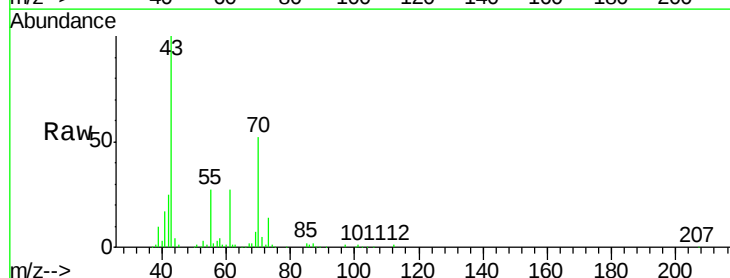
Ion Ratio Lower Upper

43 100

70 54.0 38.2 57.2

55 29.0 22.4 33.6

61 27.2 20.6 31.0

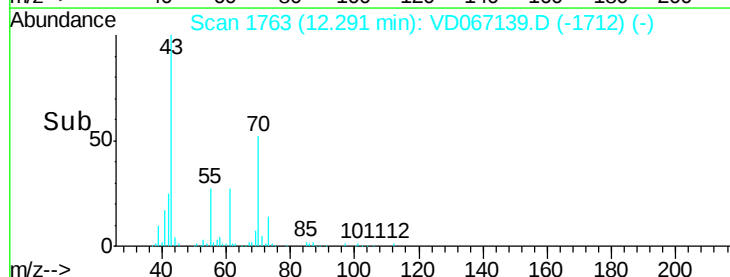
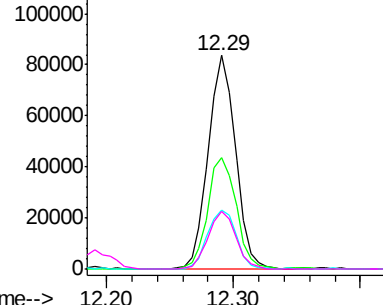


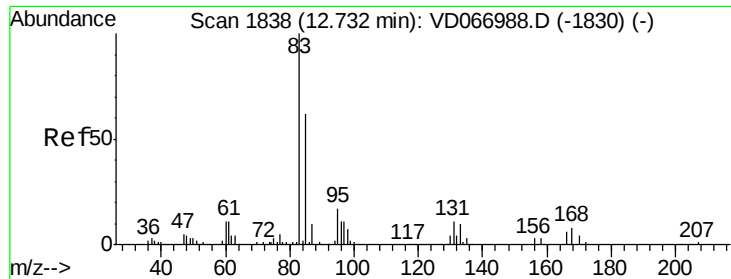
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.671 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

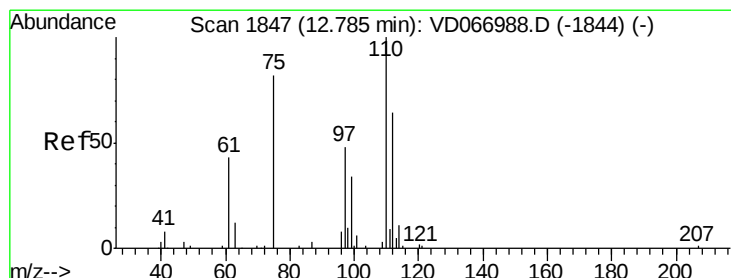
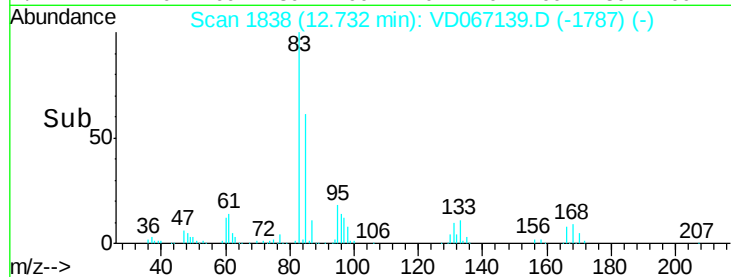
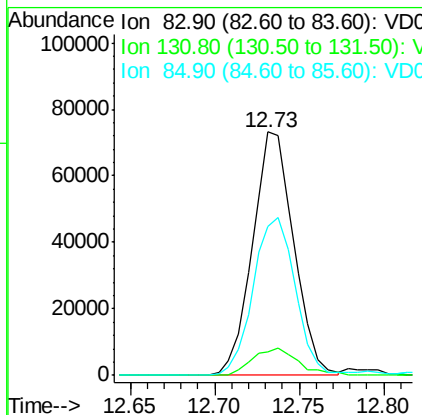
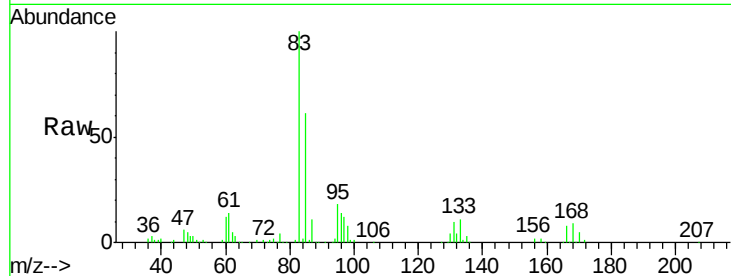
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	124284
Ion Ratio	Lower	Upper	
83	100		
131	12.4	5.7	17.0
85	66.2	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 43.453 ug/l m

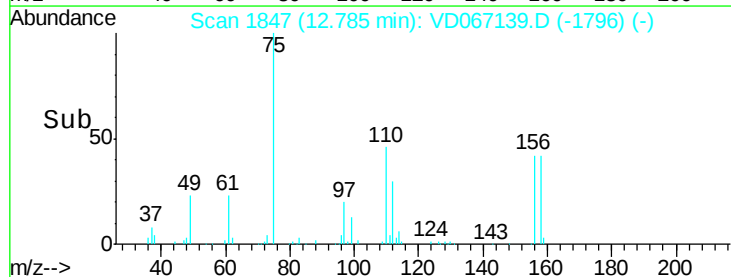
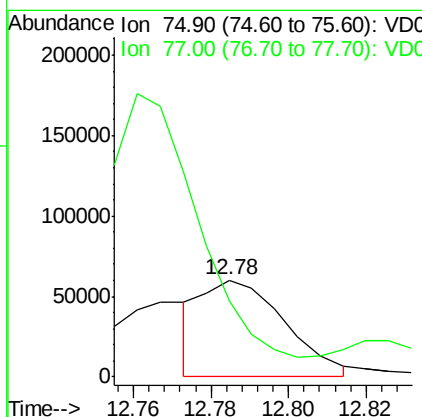
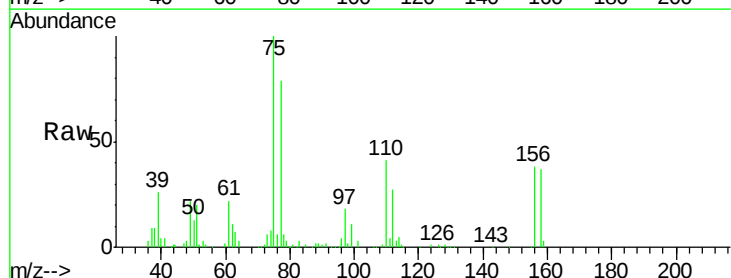
RT: 12.78 min Scan# 1847

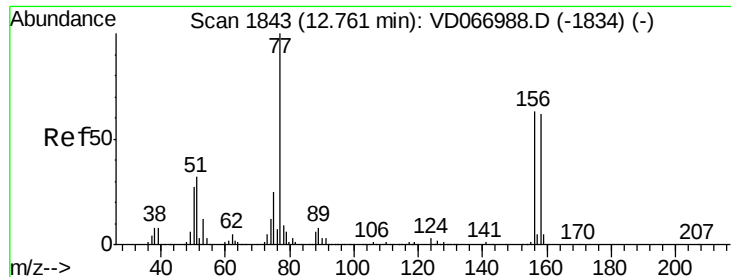
Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Tgt Ion:	75	Resp:	90029
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.441 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

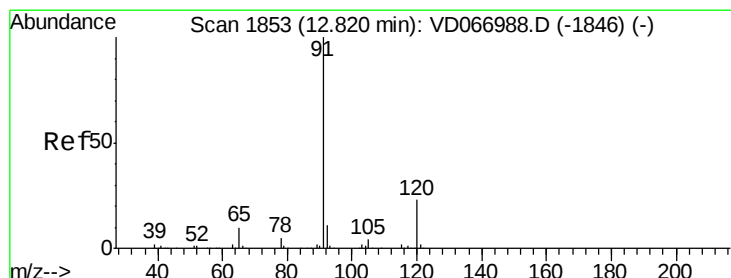
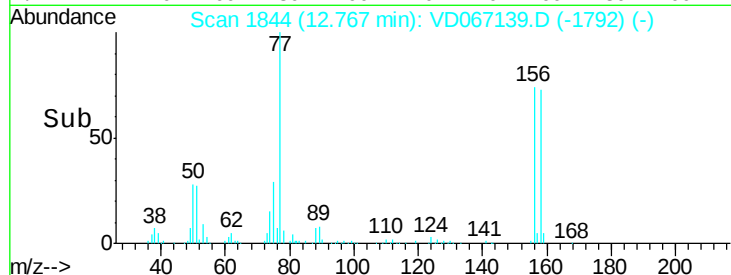
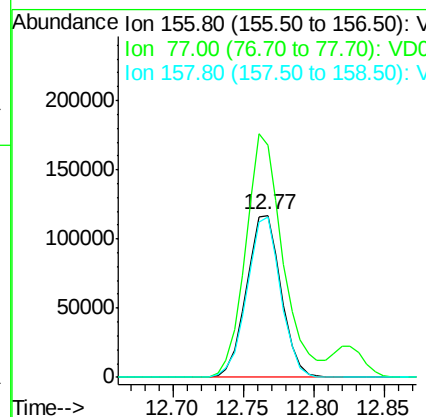
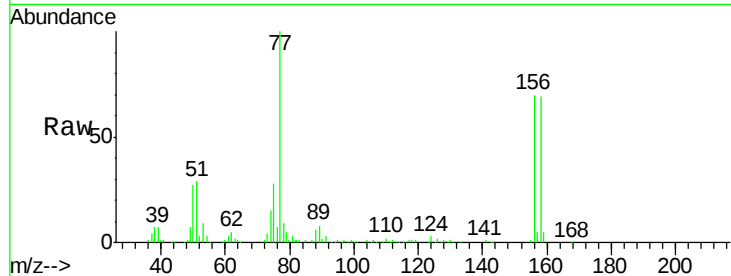
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	200618
Ion Ratio	Lower	Upper	
156	100		
77	160.6	86.3	258.8
158	96.1	49.5	148.3

Manual Integrations
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#78

n-propylbenzene

Concen: 48.104 ug/l

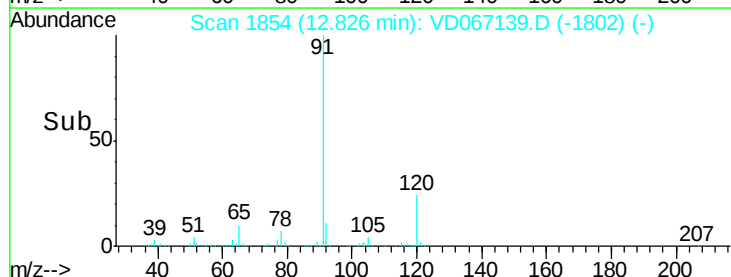
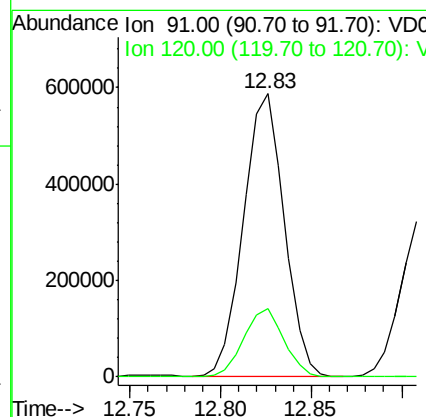
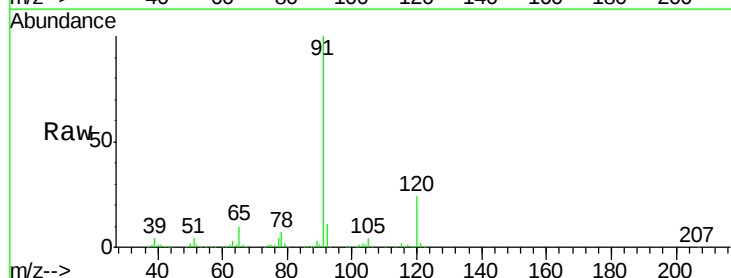
RT: 12.83 min Scan# 1854

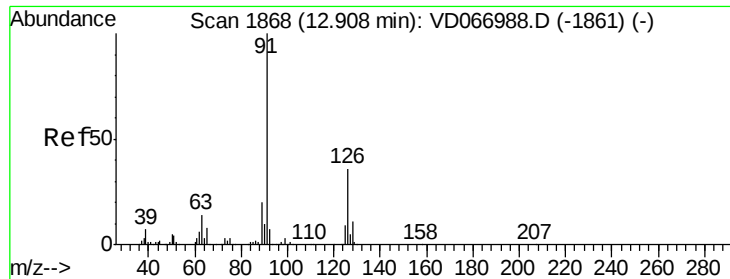
Delta R.T. 0.01 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Tgt Ion:	91	Resp:	918217
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.6	34.8





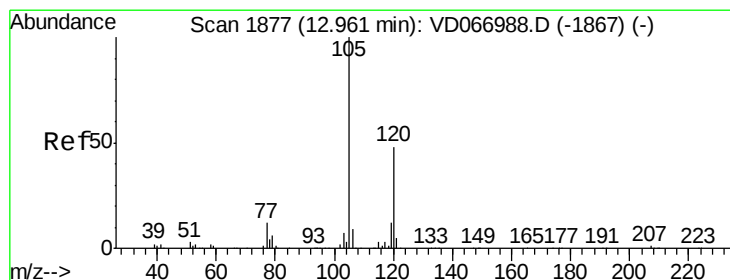
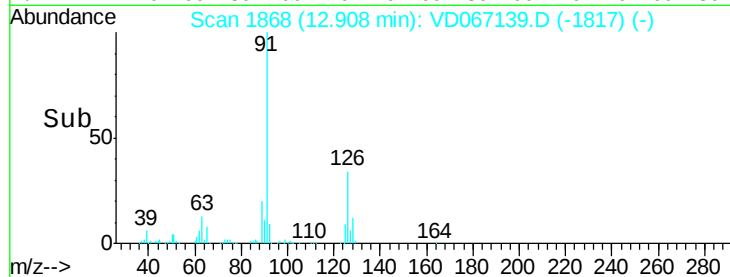
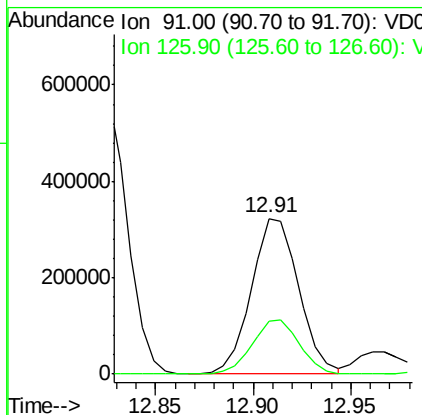
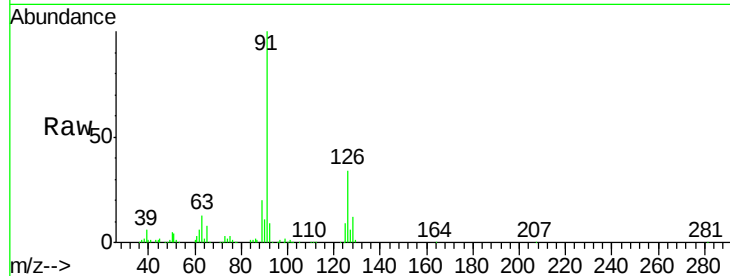
#79
2-Chlorotoluene
Concen: 49.817 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 544059
Ion Ratio Lower Upper
91 100
126 34.8 17.5 52.6

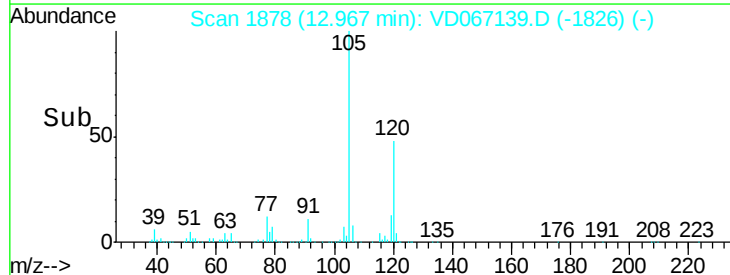
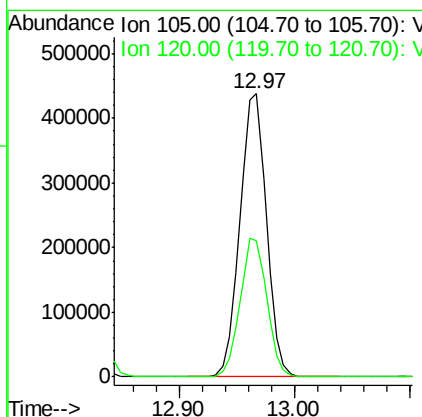
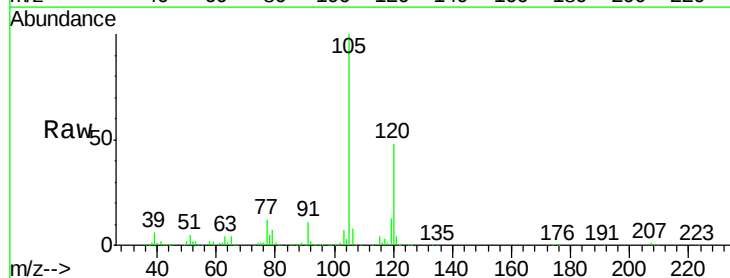
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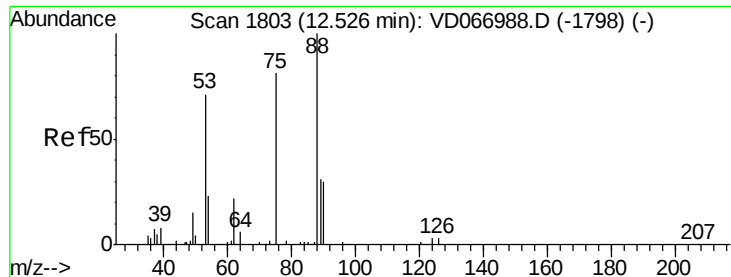
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 51.009 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion: 105 Resp: 696064
Ion Ratio Lower Upper
105 100
120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 44.462 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

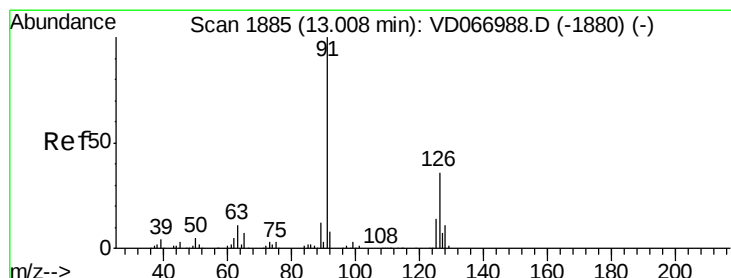
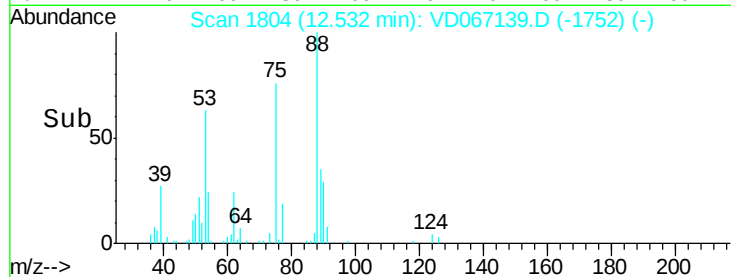
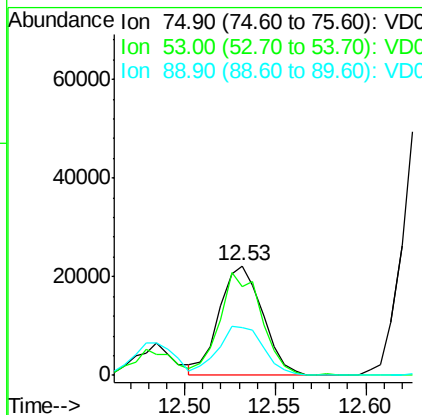
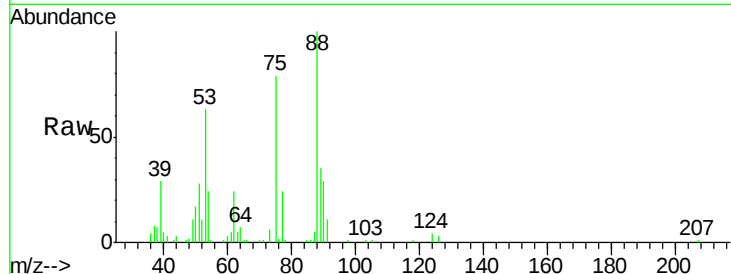
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	36950
Ion Ratio	Lower	Upper	
75	100		
53	90.6	73.8	110.6
89	46.8	38.9	58.3

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#82

4-Chlorotoluene

Concen: 49.520 ug/l

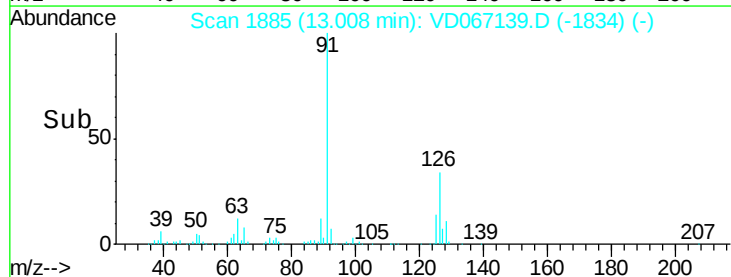
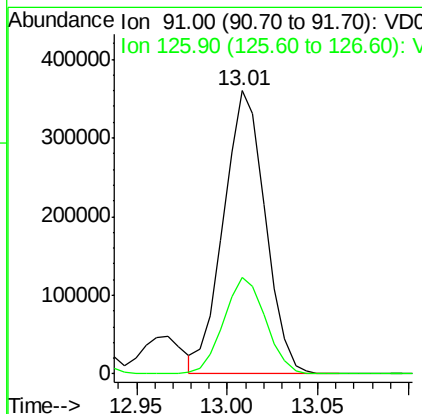
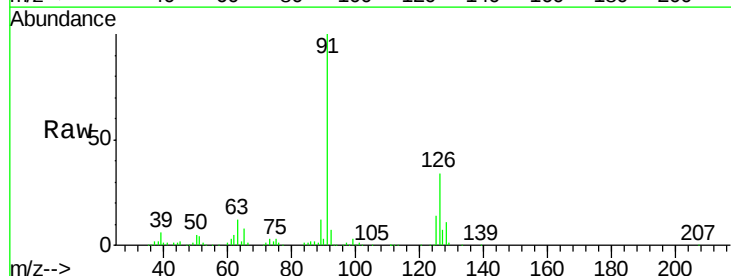
RT: 13.01 min Scan# 1885

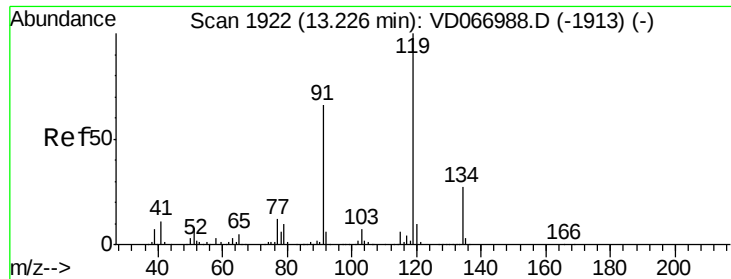
Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Tgt Ion:	91	Resp:	575399
Ion Ratio	Lower	Upper	
91	100		
126	34.5	17.5	52.5





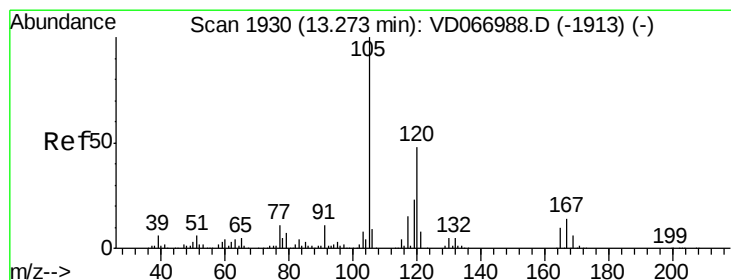
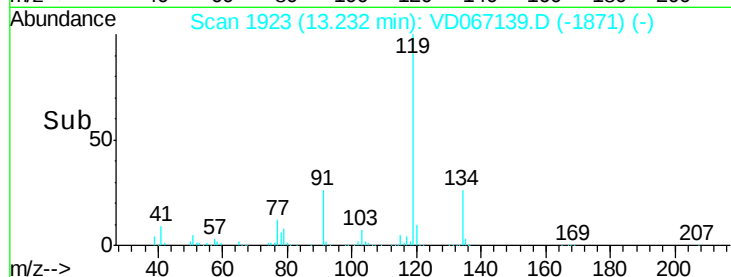
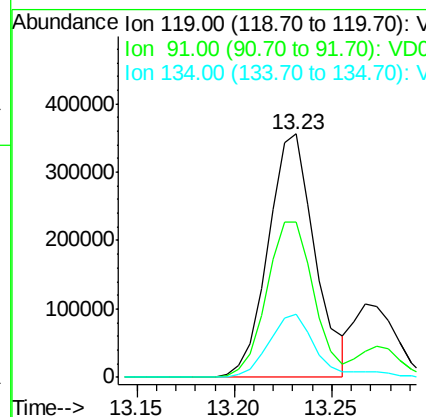
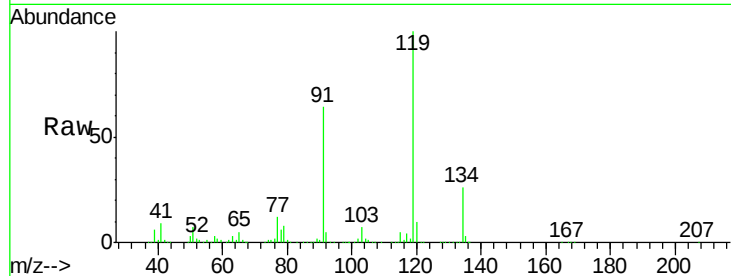
#83
tert-Butylbenzene
Concen: 51.353 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.8	98.3
134	26.9	13.9	41.7

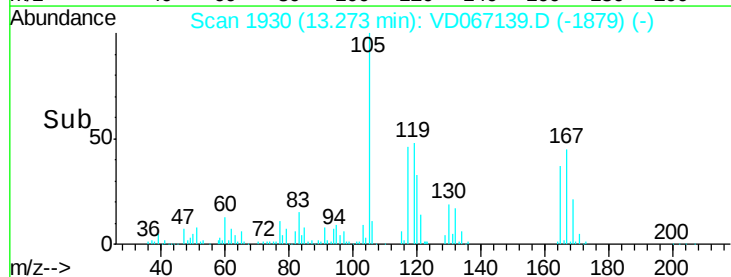
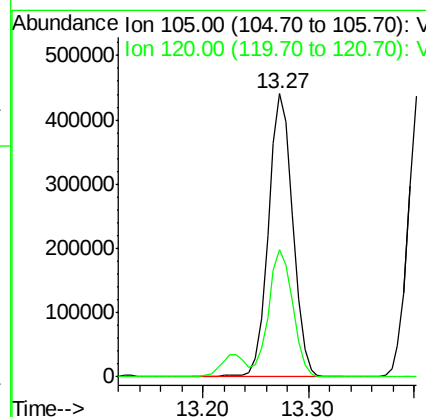
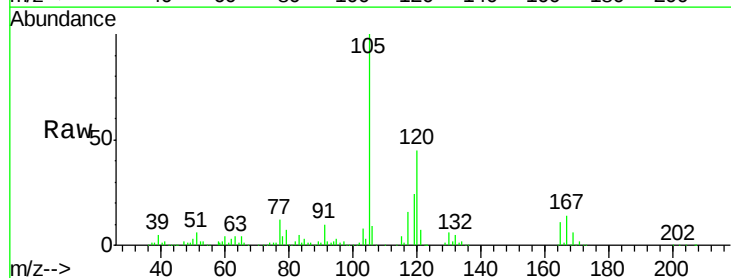
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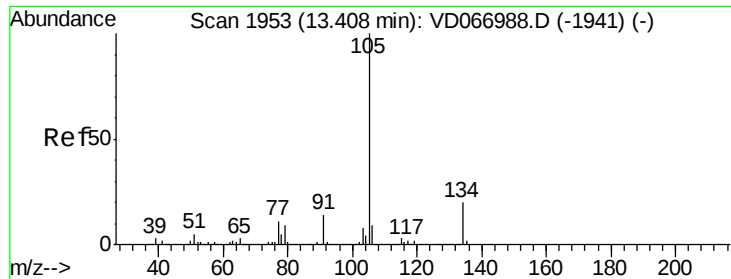
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#84
1,2,4-Trimethylbenzene
Concen: 51.531 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	23.3	69.8





#85

sec-Butylbenzene

Concen: 48.175 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 779590

Ion Ratio Lower Upper

105 100

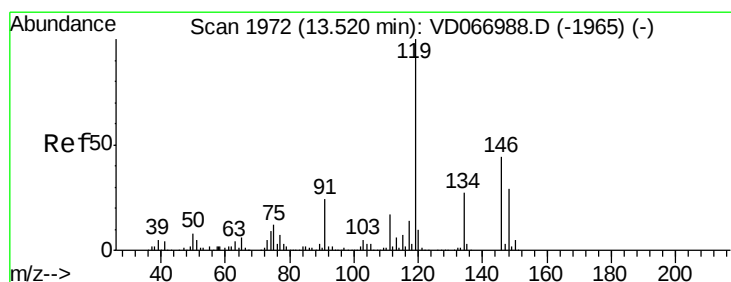
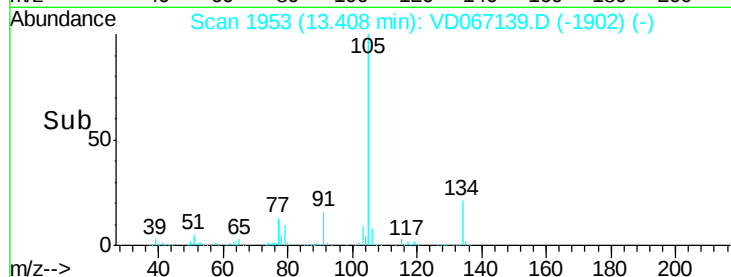
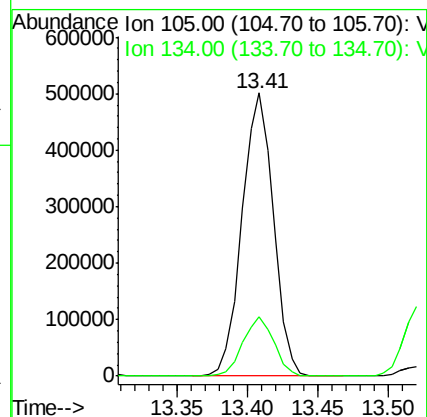
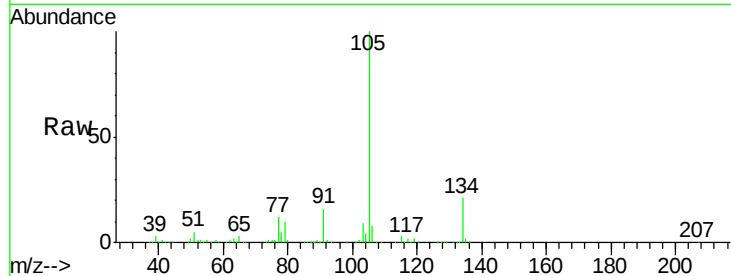
134 20.8 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.409 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

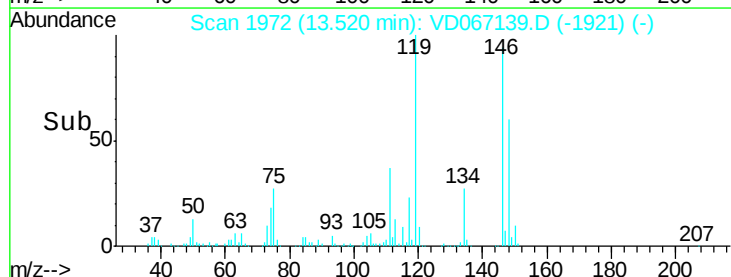
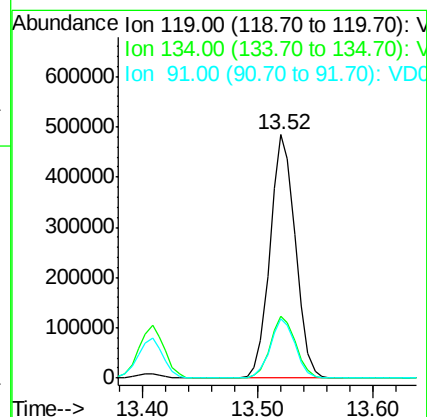
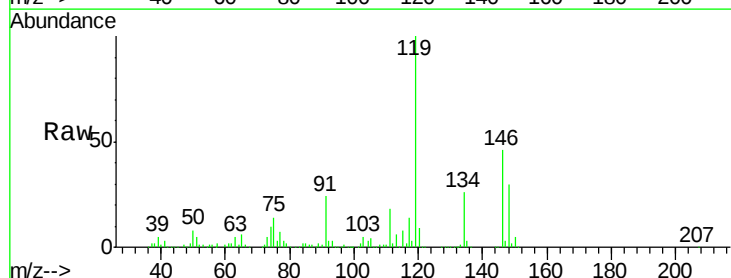
Tgt Ion:119 Resp: 741278

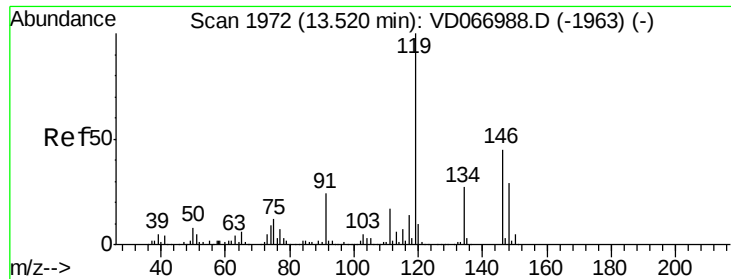
Ion Ratio Lower Upper

119 100

134 25.4 13.1 39.1

91 23.8 11.7 35.1





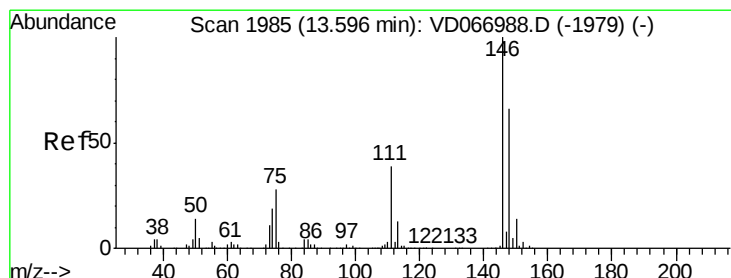
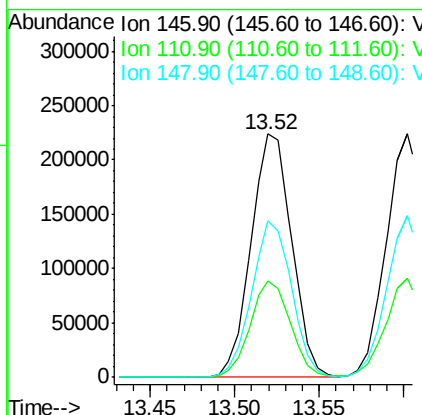
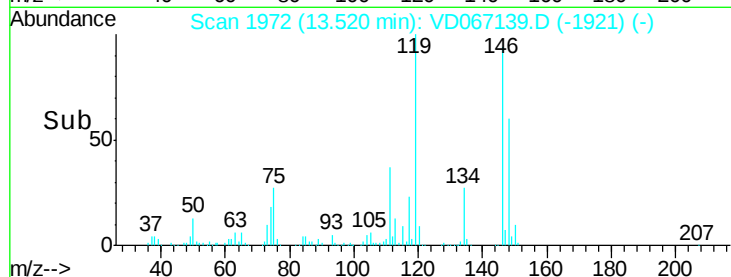
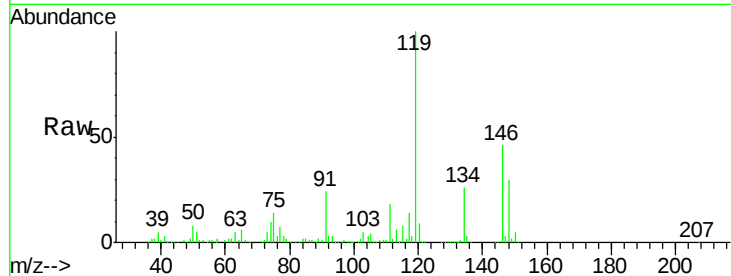
#87
 1,3-Dichlorobenzene
 Concen: 49.405 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.0	60.0
148	63.2	31.9	95.9

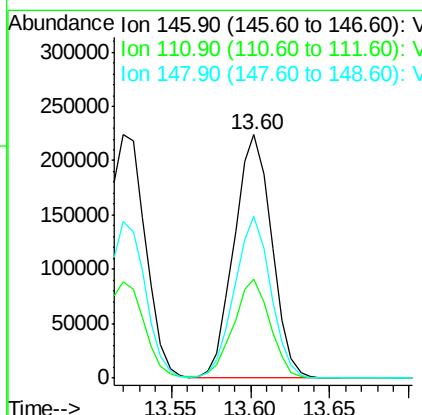
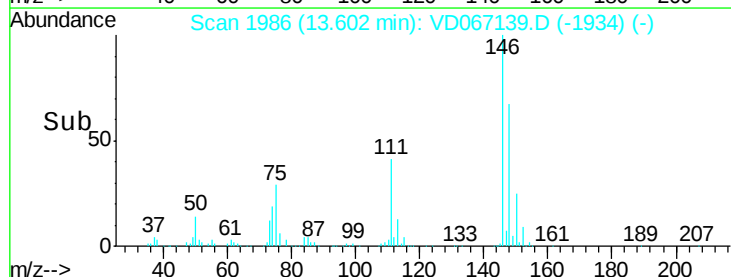
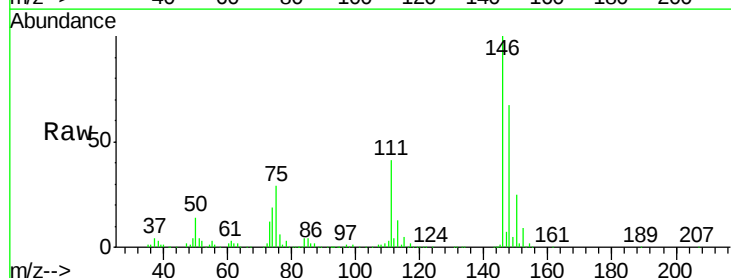
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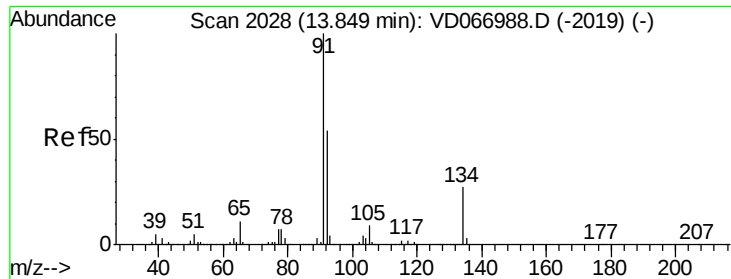
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#88
 1,4-Dichlorobenzene
 Concen: 48.636 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	64.0	32.6	97.7





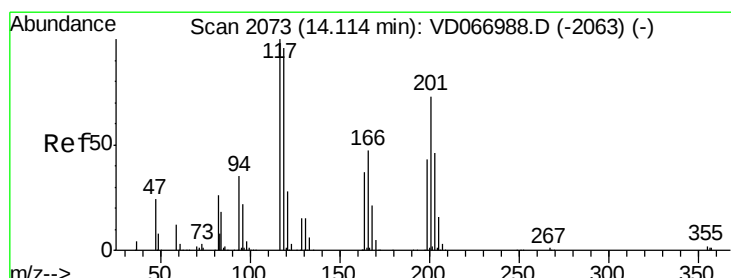
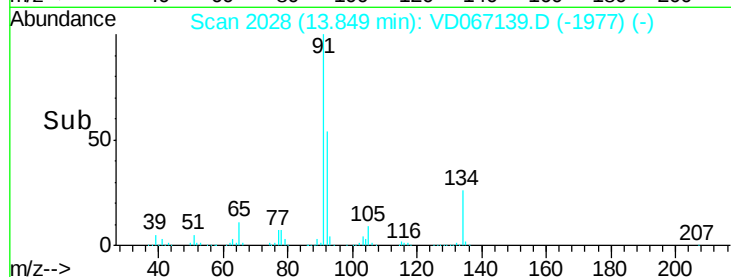
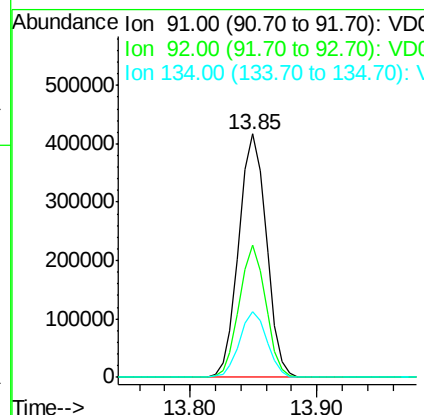
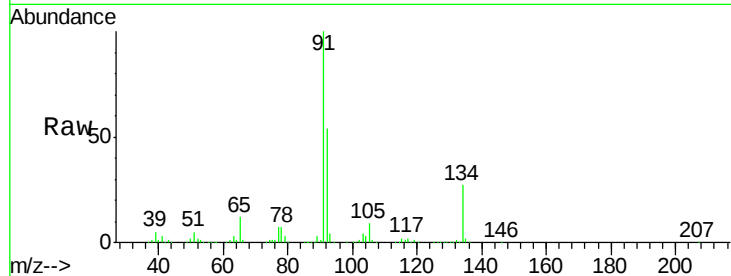
#89
n-Butylbenzene
Concen: 45.793 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.1	81.2
134	26.7	13.6	40.8

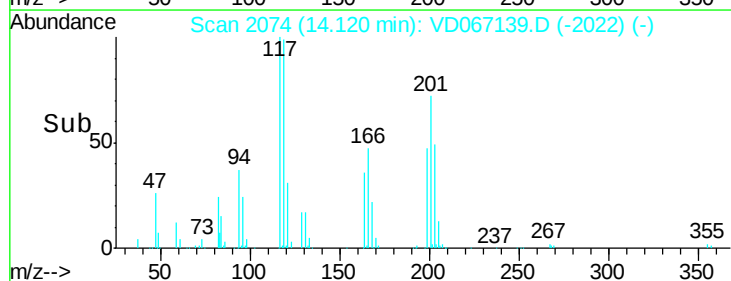
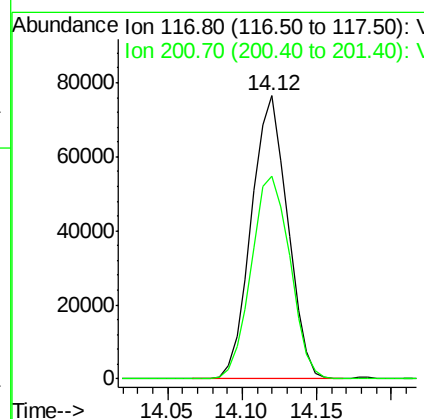
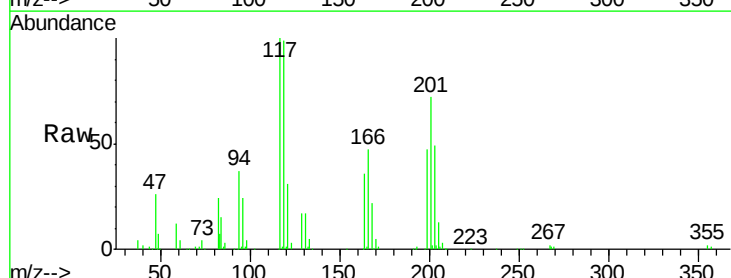
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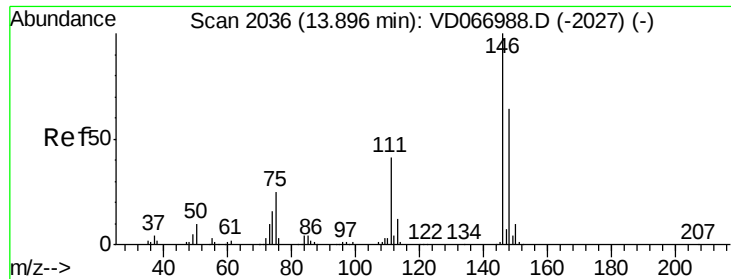
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#90
Hexachloroethane
Concen: 48.846 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067139.D
Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.6	37.0	110.9





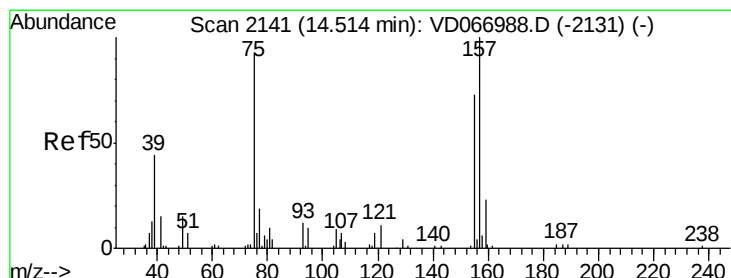
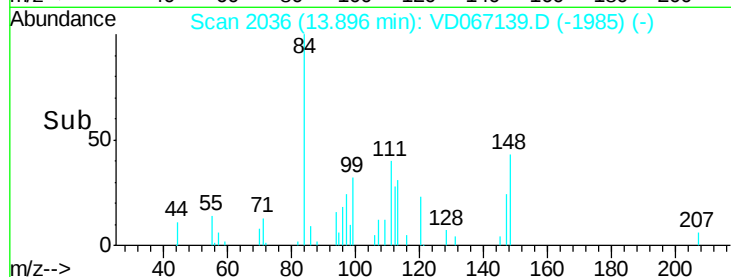
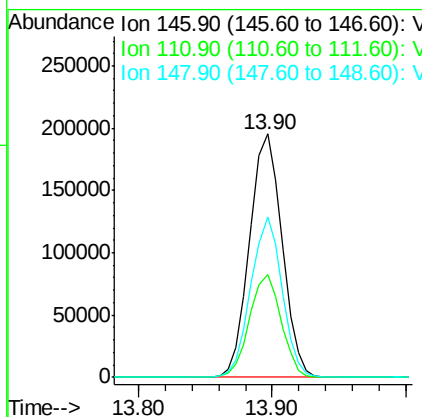
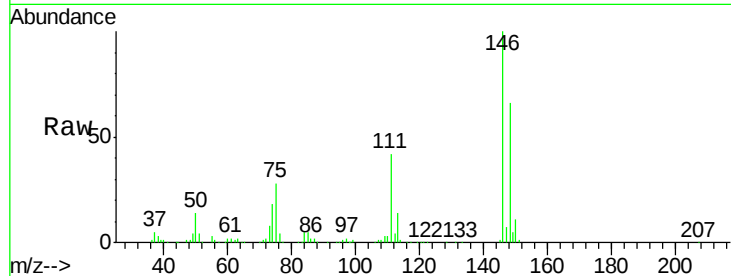
#91
 1,2-Dichlorobenzene
 Concen: 49.573 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.9	62.7
148	63.5	32.3	96.9

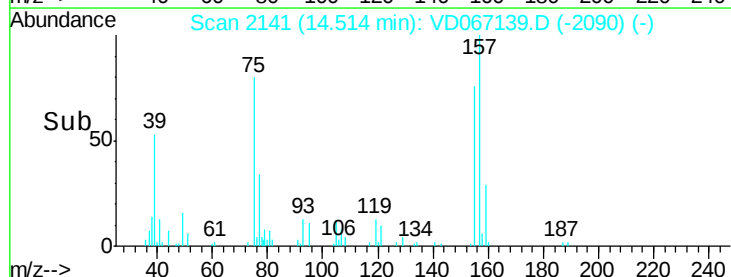
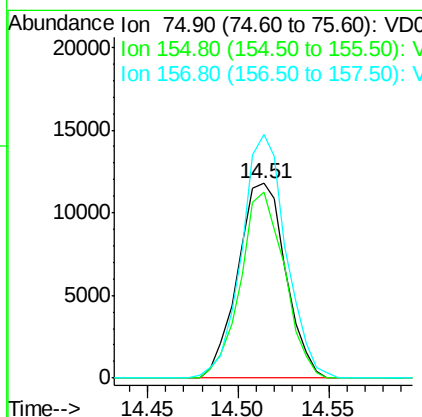
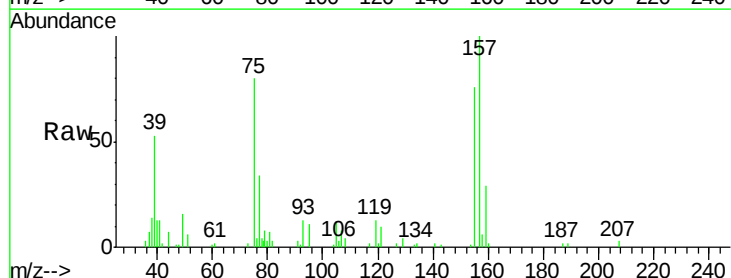
Manual Integrations
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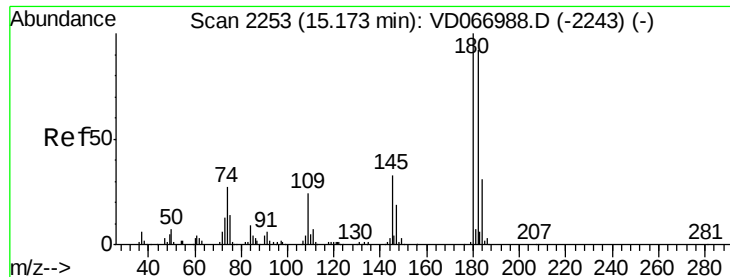
MMDadoda
 10/7/2020 12:10:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.370 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.6	45.2	135.6
157	116.1	56.3	168.8





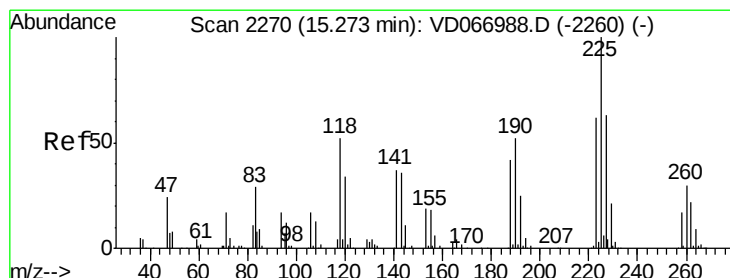
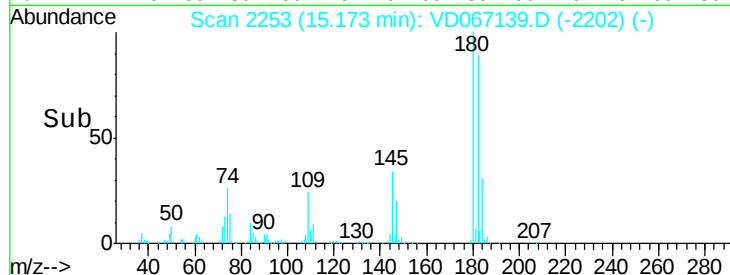
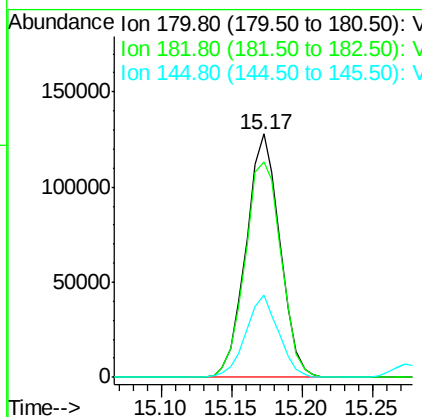
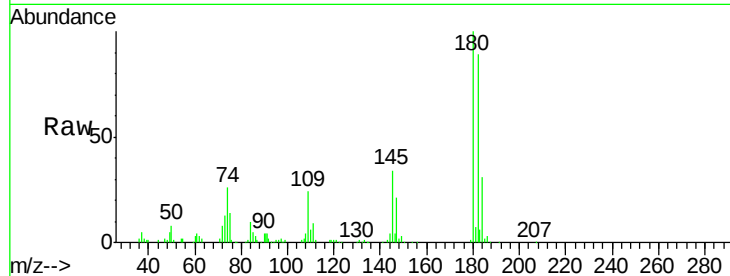
#93
 1,2,4-Trichlorobenzene
 Concen: 50.215 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	215485		
182	94.7	47.3	142.0	
145	32.6	16.4	49.1	

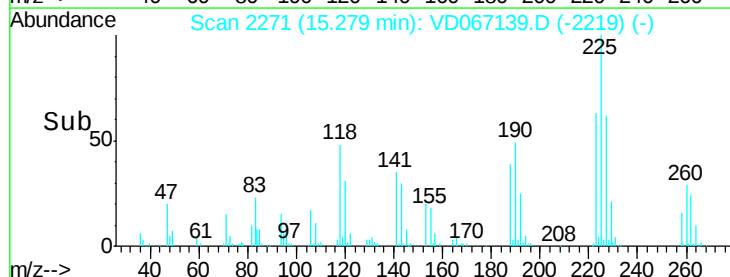
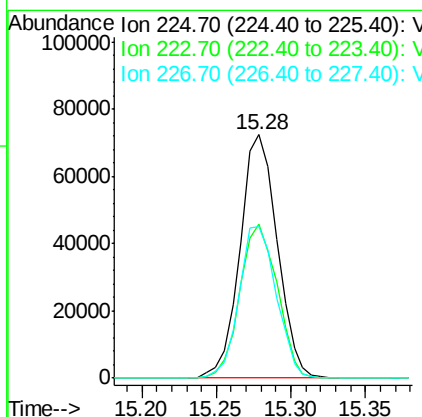
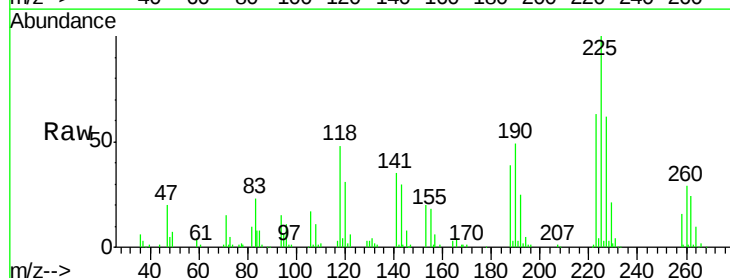
Manual Integrations
 APPROVED

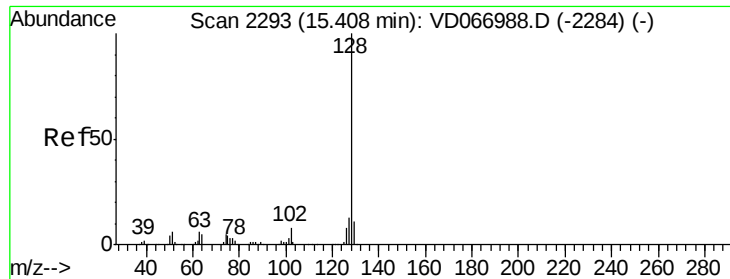
MMDadoda
 10/7/2020 12:10:14 PM



#94
 Hexachlorobutadiene
 Concen: 47.576 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067139.D
 Acq: 07 Oct 2020 06:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	125383		
223	63.5	32.4	97.0	
227	62.4	31.6	95.0	





#95

Naphthalene

Concen: 52.900 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Instrument :

MSVOA_D

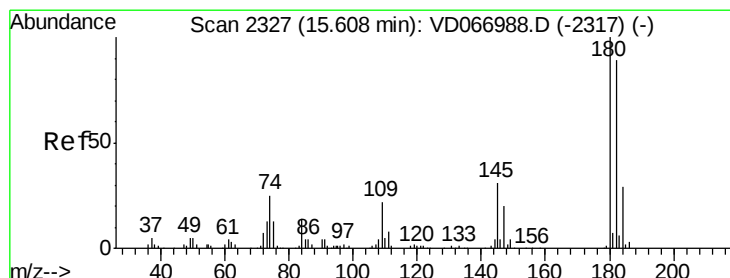
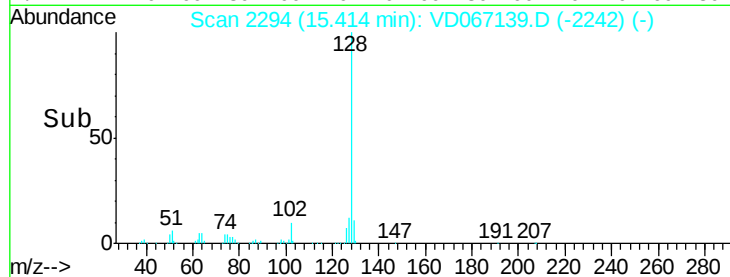
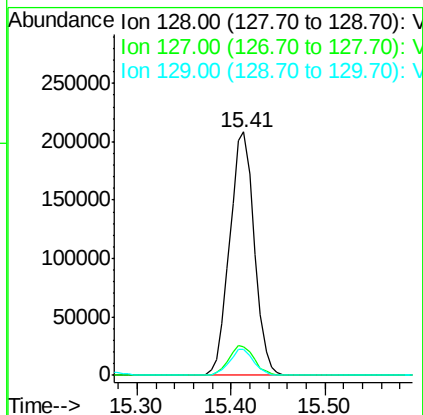
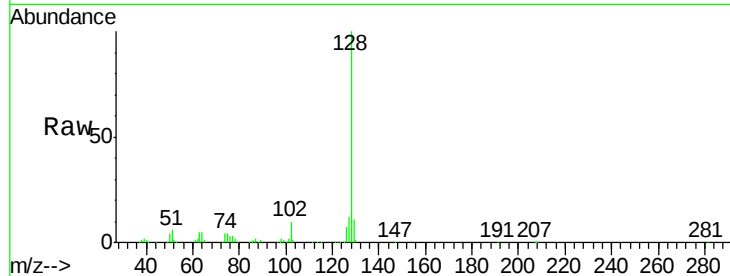
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	378641
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:10:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.767 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD067139.D

Acq: 07 Oct 2020 06:53

Tgt Ion:	180	Resp:	196567
Ion Ratio	Lower	Upper	
180	100		
182	90.6	46.4	139.1
145	32.4	16.6	49.7

