

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067057.D
 Acq On : 03 Oct 2020 02:26
 Operator : VA/SY
 Sample : L4247-03MSD
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:34:39 PM

Quant Time: Oct 03 07:03:37 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	355645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	605466	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	441624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	117483	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	198130	57.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.68%	
35) Dibromofluoromethane	7.91	113	213682	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
50) Toluene-d8	10.34	98	650730	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
62) 4-Bromofluorobenzene	12.63	95	167225	34.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	164743	58.371	ug/l	96
3) Chloromethane	2.21	50	173278	61.180	ug/l	100
4) Vinyl Chloride	2.35	62	166868	58.758	ug/l	97
5) Bromomethane	2.77	94	121297	67.805	ug/l	96
6) Chloroethane	2.93	64	102029	58.993	ug/l	92
7) Trichlorofluoromethane	3.27	101	294422	46.663	ug/l	94
8) Diethyl Ether	3.71	74	101301	64.744	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	133595	37.460	ug/l	97
10) Methyl Iodide	4.30	142	218718	63.118	ug/l	98
11) Tert butyl alcohol	5.23	59	55144	280.631	ug/l #	72
12) 1,1-Dichloroethene	4.07	96	175371	52.310	ug/l	99
13) Acrolein	3.93	56	30206	131.689	ug/l	97
14) Allyl chloride	4.71	41	266886	61.279	ug/l	97
15) Acrylonitrile	5.42	53	177071	307.489	ug/l	97
16) Acetone	4.16	43	165630	316.745	ug/l	99
17) Carbon Disulfide	4.41	76	522328	50.767	ug/l	97
18) Methyl Acetate	4.71	43	196076	149.191	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	395254	64.582	ug/l	99
20) Methylene Chloride	4.96	84	244003	68.439	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	219614	57.560	ug/l	96
22) Diisopropyl ether	6.36	45	520232	65.428	ug/l	97
23) Vinyl Acetate	6.31	43	915503m	203.190	ug/l	
24) 1,1-Dichloroethane	6.27	63	366420	59.713	ug/l	99
25) 2-Butanone	7.21	43	217120	292.863	ug/l	96
26) 2,2-Dichloropropane	7.21	77	259037	49.310	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	241595	59.290	ug/l	97
28) Bromochloromethane	7.55	49	145380	61.348	ug/l	97
29) Tetrahydrofuran	7.56	42	131345	308.118	ug/l	97
30) Chloroform	7.71	83	382295	57.431	ug/l	99
31) Cyclohexane	7.98	56	133632	25.976	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	298904	48.452	ug/l	99
36) 1,1-Dichloropropene	8.11	75	223516	39.605	ug/l	98
37) Ethyl Acetate	7.30	43	77109	39.440	ug/l	98
38) Carbon Tetrachloride	8.09	117	233715	38.274	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.35	83	149137	24.995	ug/l	95
40) Benzene	8.35	78	788624	50.309	ug/l	100
41) Methacrylonitrile	7.52	41	61992	58.692	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	233112	53.219	ug/l	99
43) Isopropyl Acetate	8.45	43	159596	44.311	ug/l	95
44) Trichloroethene	9.11	130	202267	43.212	ug/l	99
45) 1,2-Dichloropropane	9.38	63	196160	53.259	ug/l	96
46) Dibromomethane	9.47	93	112473	53.131	ug/l	98
47) Bromodichloromethane	9.66	83	276107	50.176	ug/l	99
48) Methyl methacrylate	9.46	41	113619	61.575	ug/l	92
49) 1,4-Dioxane	9.46	88	25448	1151.831	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	506551	282.357	ug/l	100
52) Toluene	10.40	92	453898	44.951	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	242172	49.242	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	295958	49.282	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	202030	68.645	ug/l	98
56) Ethyl methacrylate	10.66	69	180355	59.355	ug/l	95
57) 1,3-Dichloropropane	10.94	76	243297	50.978	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	470883	278.427	ug/l	100
59) 2-Hexanone	10.98	43	386896	323.114	ug/l	91
60) Dibromochloromethane	11.14	129	184177	46.952	ug/l	96
61) 1,2-Dibromoethane	11.24	107	145906	51.602	ug/l	96
64) Tetrachloroethene	10.87	164	134478	41.885	ug/l	96
65) Chlorobenzene	11.67	112	416723	47.445	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	173362	51.888	ug/l	100
67) Ethyl Benzene	11.74	91	641495	42.626	ug/l	97
68) m/p-Xylenes	11.85	106	519155	88.518	ug/l	100
69) o-Xylene	12.18	106	306114	58.366	ug/l	96
70) Styrene	12.20	104	412362	45.787	ug/l	99
71) Bromoform	12.36	173	91545	52.785	ug/l #	99
73) Isopropylbenzene	12.48	105	410932	51.513	ug/l	100
74) N-amyl acetate	12.28	43	209318	145.963	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.73	83	123455	91.853	ug/l	93
76) 1,2,3-Trichloropropane	12.78	75	86684m	84.709	ug/l	
77) Bromobenzene	12.76	156	141869	73.652	ug/l	93
78) n-propylbenzene	12.82	91	393193	41.706	ug/l	100
79) 2-Chlorotoluene	12.91	91	375930	69.694	ug/l	86
80) 1,3,5-Trimethylbenzene	12.96	105	808634	119.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	40393	98.410	ug/l	96
82) 4-Chlorotoluene	13.01	91	306559	53.417	ug/l	98
83) tert-Butylbenzene	13.23	119	217896	38.392	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	618301	91.925	ug/l	100
85) sec-Butylbenzene	13.40	105	269078	33.666	ug/l	97
86) p-Isopropyltoluene	13.52	119	311398	42.023	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	167236	44.573	ug/l	94
88) 1,4-Dichlorobenzene	13.60	146	176153	46.955	ug/l	94
89) n-Butylbenzene	13.85	91	161537	23.853	ug/l #	79
90) Hexachloroethane	14.13	117	73406	56.553	ug/l #	49
91) 1,2-Dichlorobenzene	13.89	146	155459	47.444	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21753	100.402	ug/l	89

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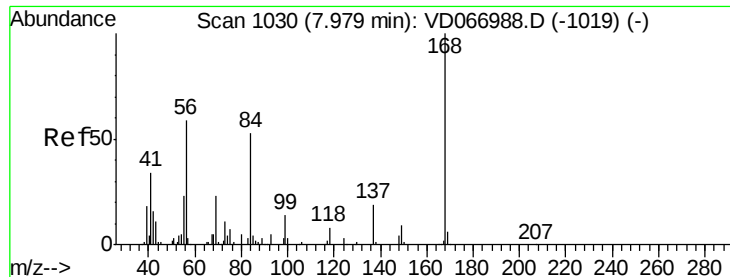
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	42908	20.245	ug/l #	42
94) Hexachlorobutadiene	15.28	225	12902	9.912	ug/l	96
95) Naphthalene	15.41	128	458925	129.816	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	39950	21.713	ug/l #	51

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

Tot Ion:168 Resp: 355645

Ion Ratio Lower Upper

168 100

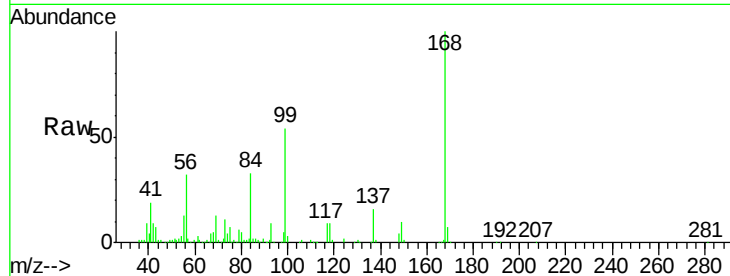
99 53.7 44.1 66.1

Manual Integrations

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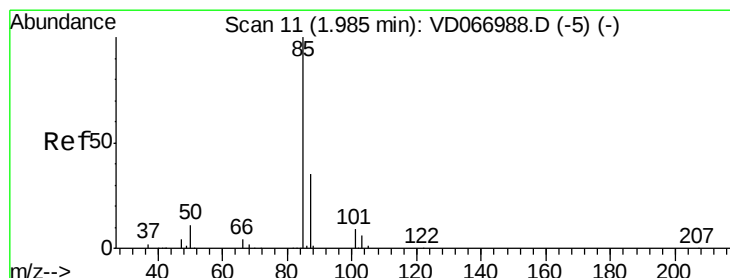
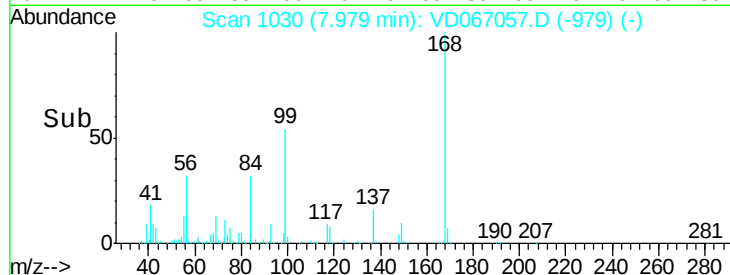
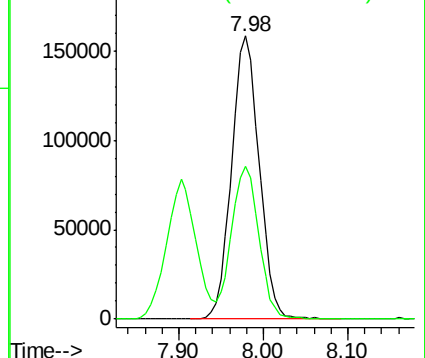
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 58.371 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067057.D

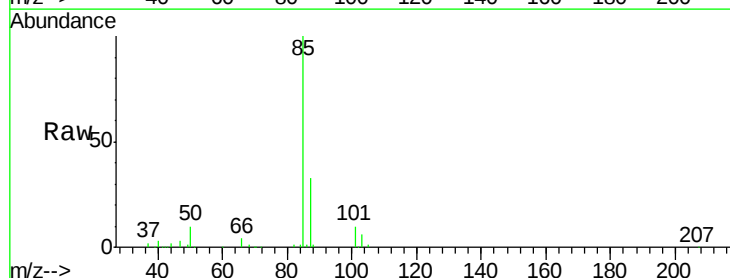
Acq: 03 Oct 2020 02:26

Tgt Ion: 85 Resp: 164743

Ion Ratio Lower Upper

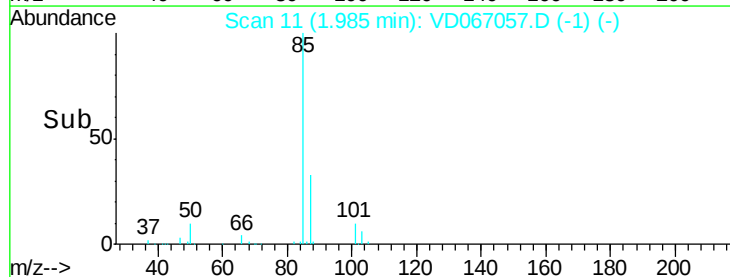
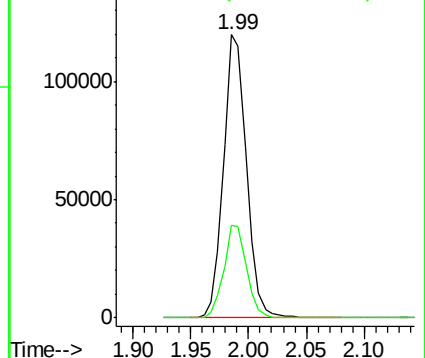
85 100

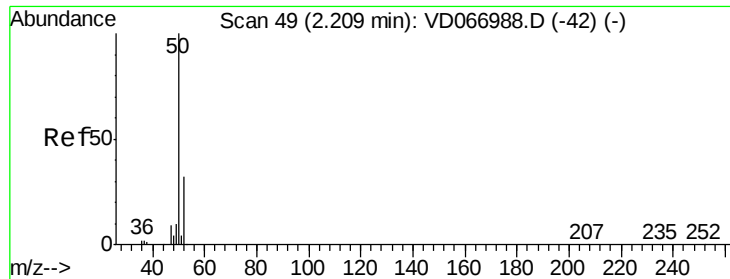
87 32.5 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 61.180 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

Tot Ion: 50 Resp: 173278

Ion Ratio Lower Upper

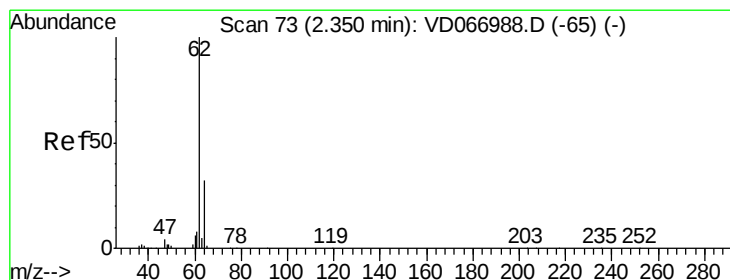
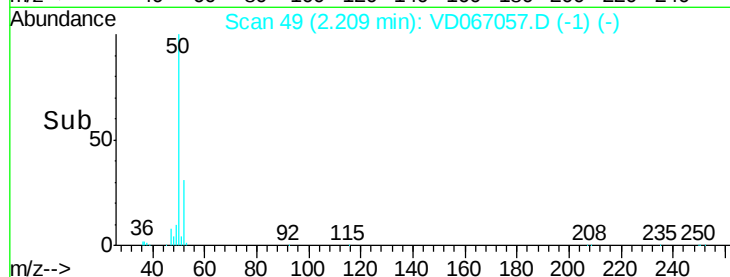
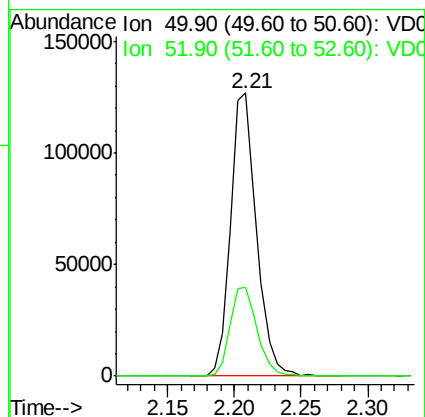
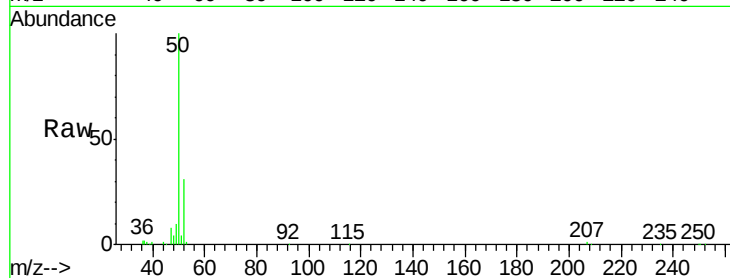
50 100

52 31.5 25.3 37.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 58.758 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067057.D

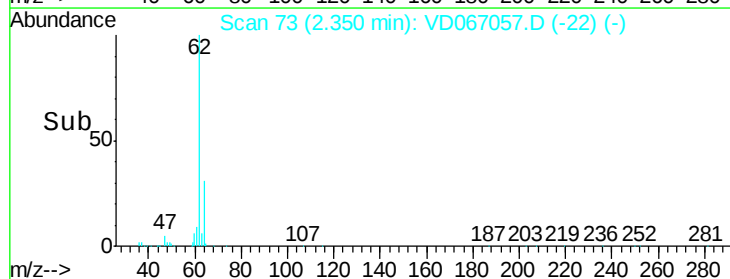
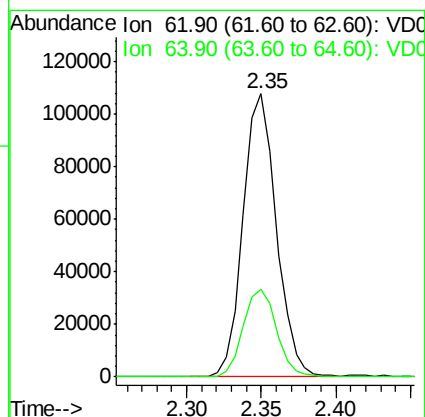
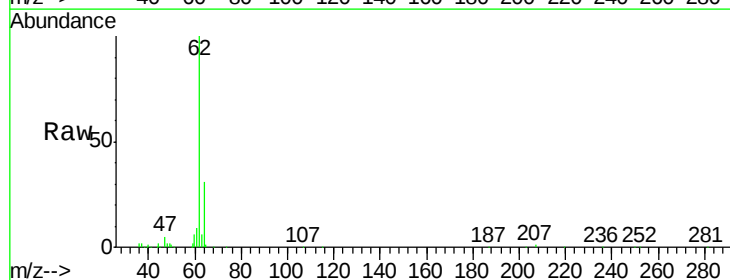
Acq: 03 Oct 2020 02:26

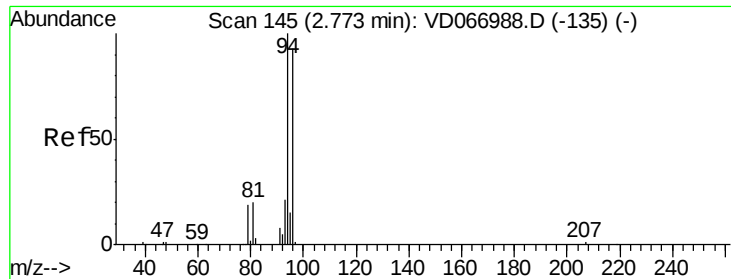
Tgt Ion: 62 Resp: 166868

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.8





#5

Bromomethane

Concen: 67.805 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

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ClientSampleId :

B-18(0-1)MSD

Tot Ion: 94 Resp: 121297

Ion Ratio Lower Upper

94 100

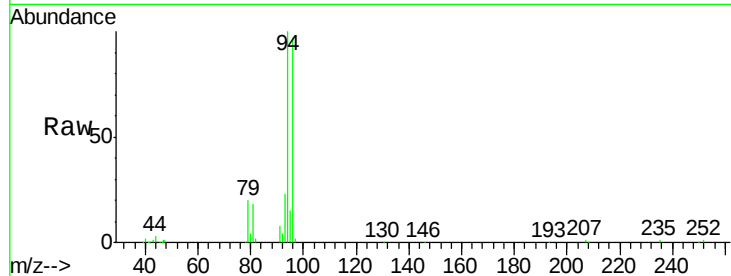
96 96.8 74.6 112.0

Manual Integrations

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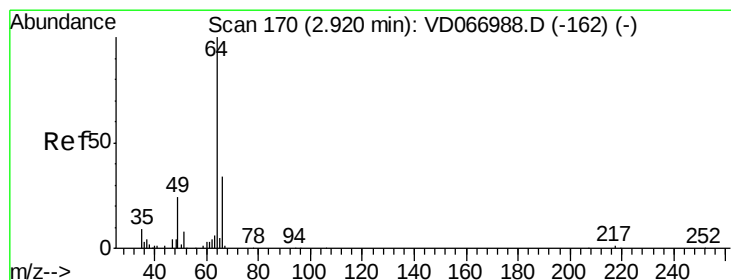
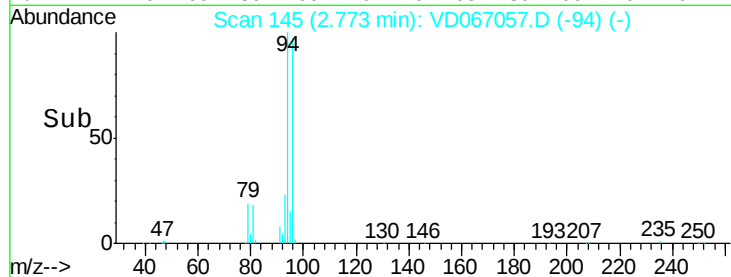
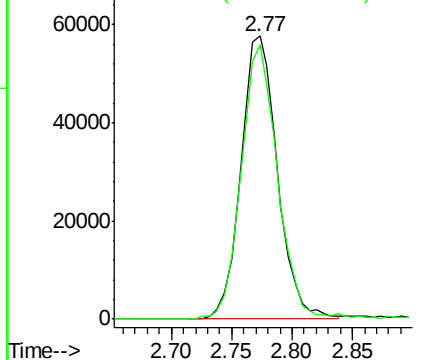
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 58.993 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067057.D

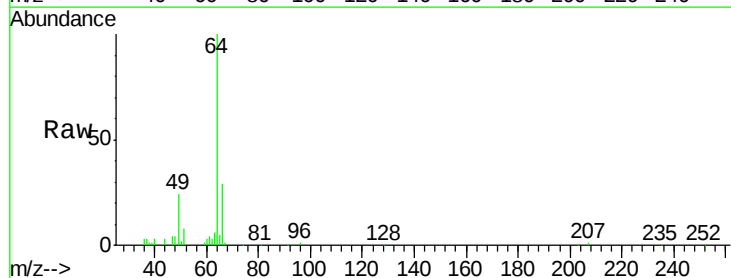
Acq: 03 Oct 2020 02:26

Tgt Ion: 64 Resp: 102029

Ion Ratio Lower Upper

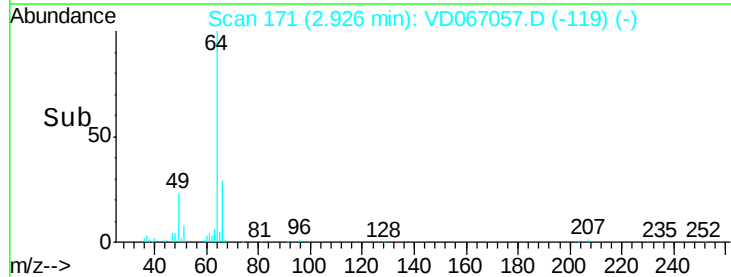
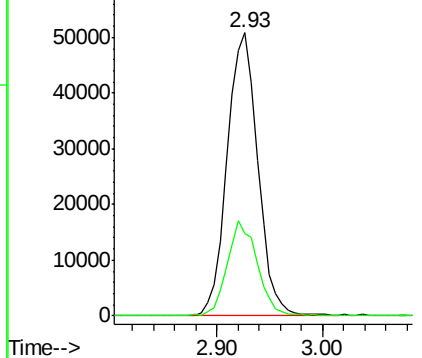
64 100

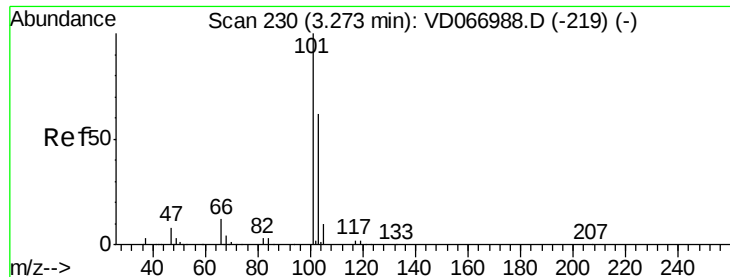
66 29.1 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

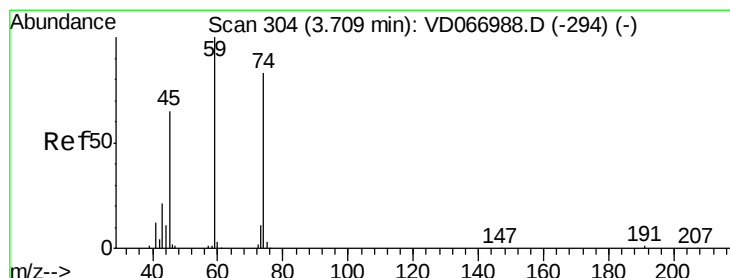
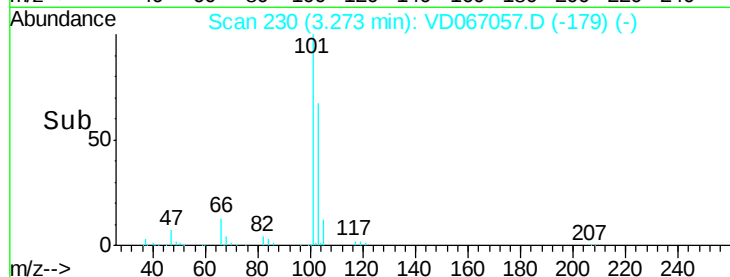
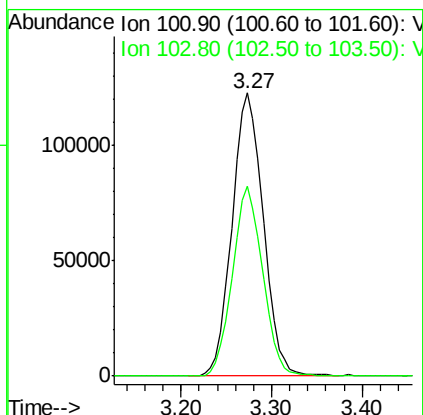
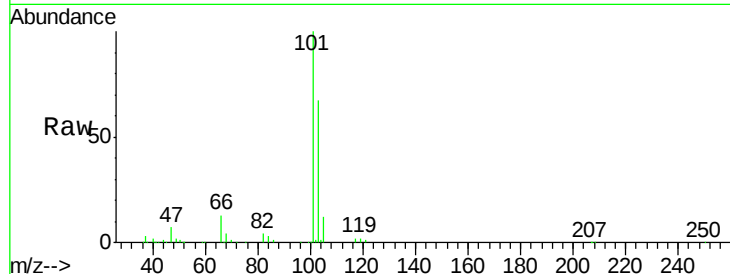
Trichlorofluoromethane
 Concen: 46.663 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	49.8	74.8

Manual Integrations
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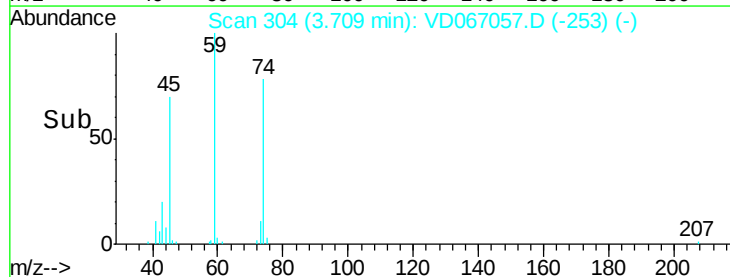
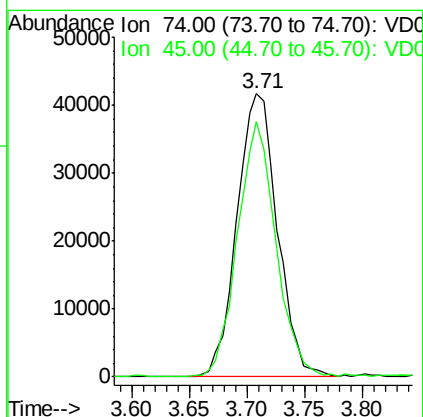
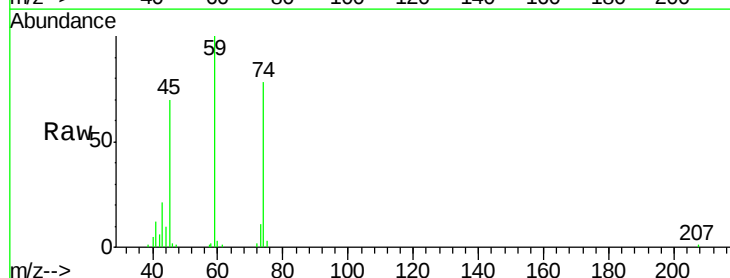
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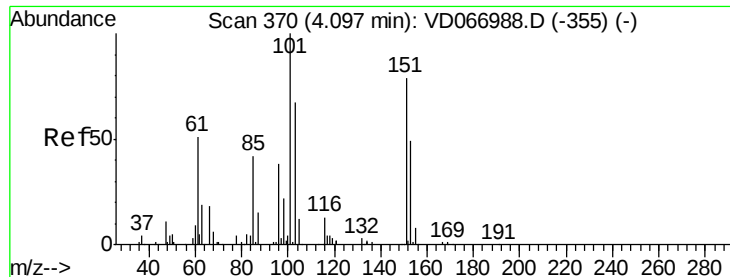


#8

Diethyl Ether
 Concen: 64.744 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.8	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 37.460 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067057.D

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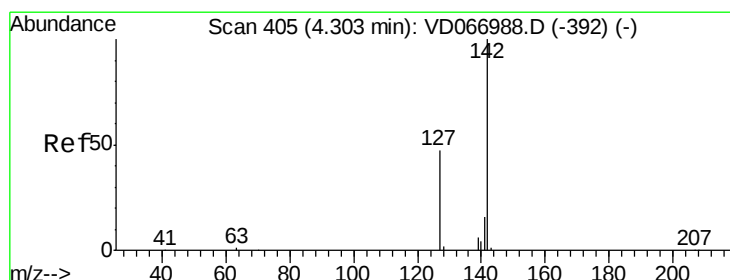
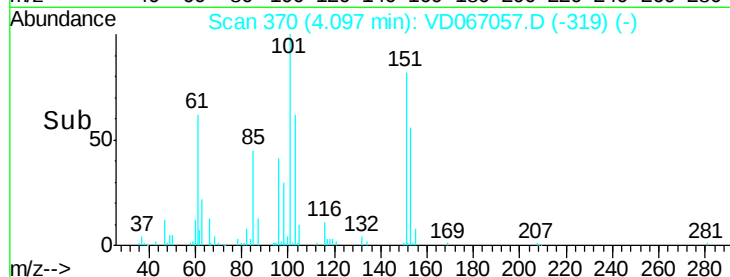
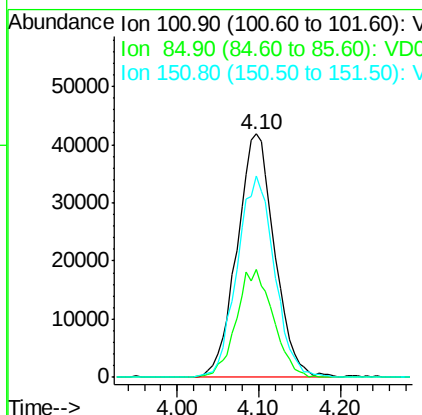
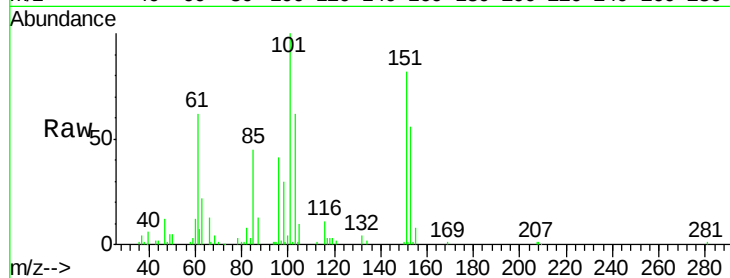
ClientSampleId :

B-18(0-1)MSD

Tot Ion:	101	Resp:	133595
Ion Ratio	Lower	Upper	
101	100		
85	43.6	33.8	50.8
151	82.3	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 63.118 ug/l

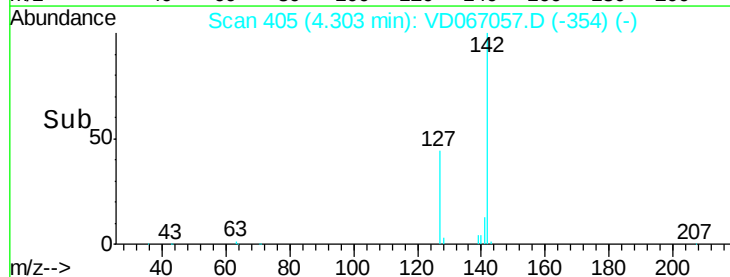
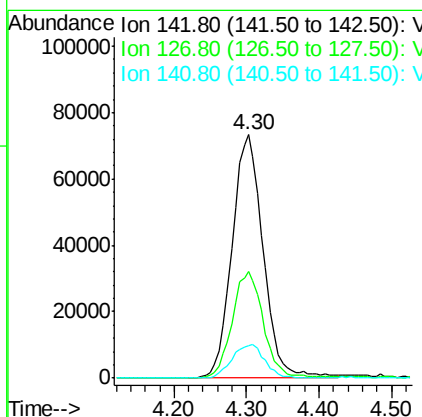
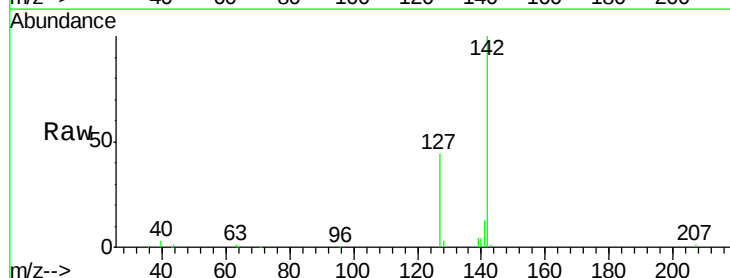
RT: 4.30 min Scan# 405

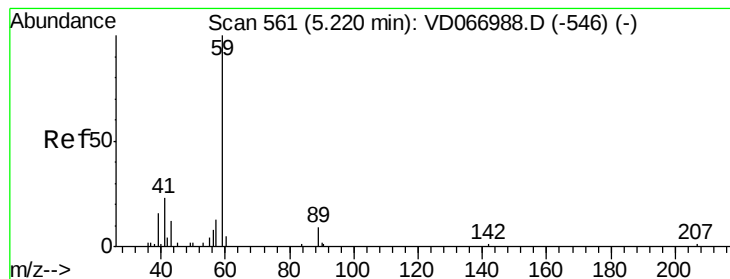
Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Tgt Ion:	142	Resp:	218718
Ion Ratio	Lower	Upper	
142	100		
127	43.5	36.3	54.5
141	14.5	12.0	18.0





#11

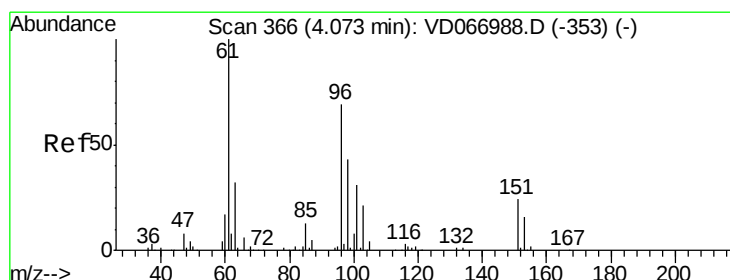
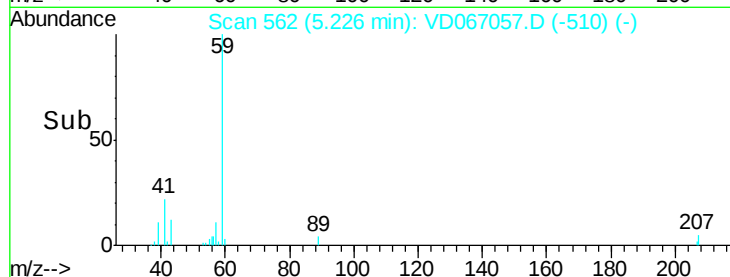
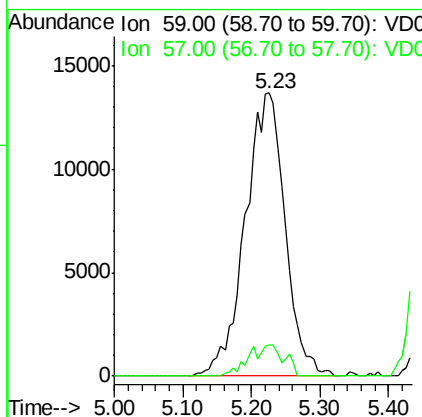
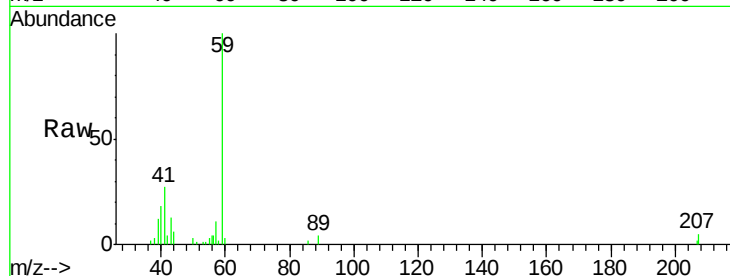
Tert butyl alcohol
 Concen: 280.631 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

Manual Integrations
 APPROVED

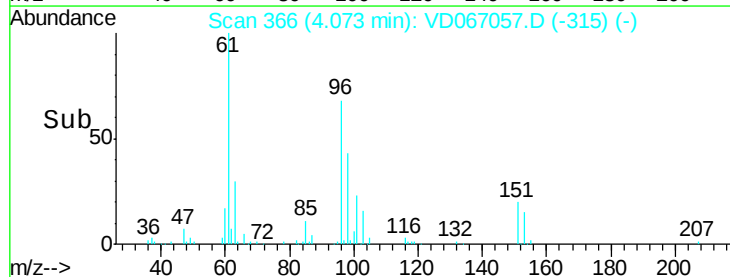
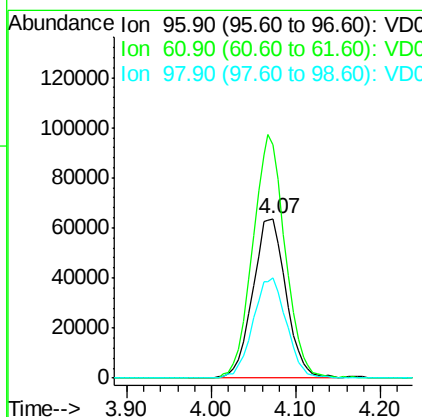
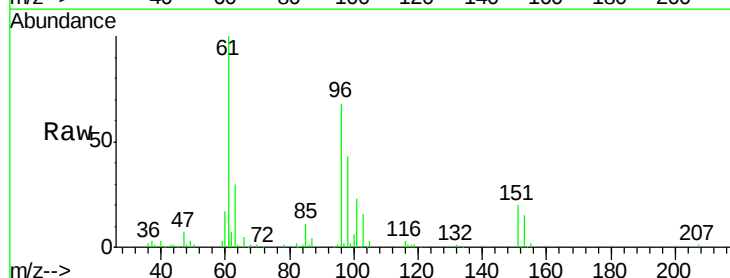
MMDadoda
 10/5/2020 5:34:39 PM

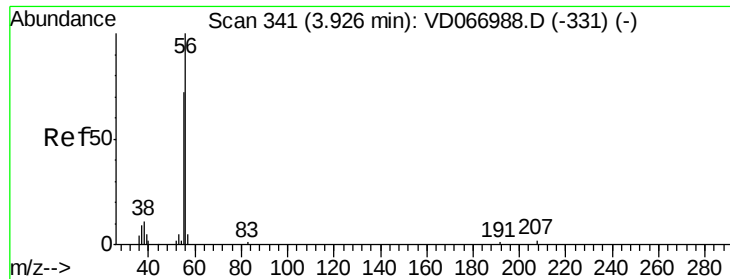


#12

1,1-Dichloroethene
 Concen: 52.310 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.3	116.4	174.6
98	62.6	49.9	74.9





#13

Acrolein

Concen: 131.689 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

Tot Ion: 56 Resp: 30206

Ion Ratio Lower Upper

56 100

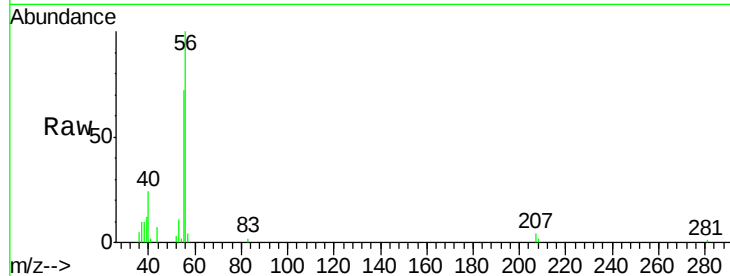
55 73.3 56.9 85.3

Manual Integrations

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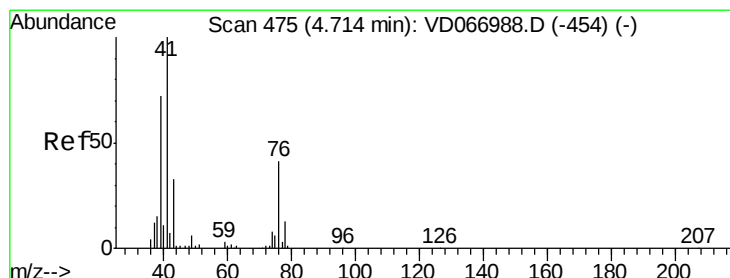
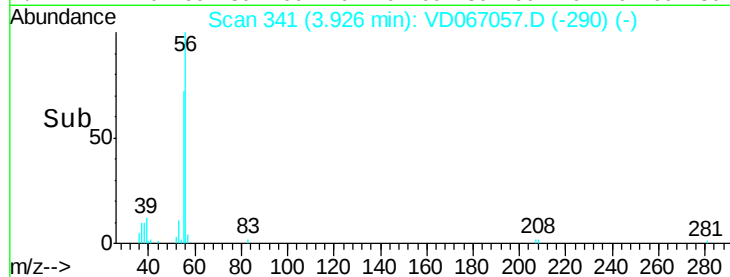
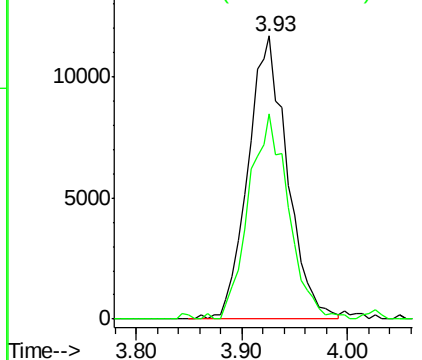
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 61.279 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

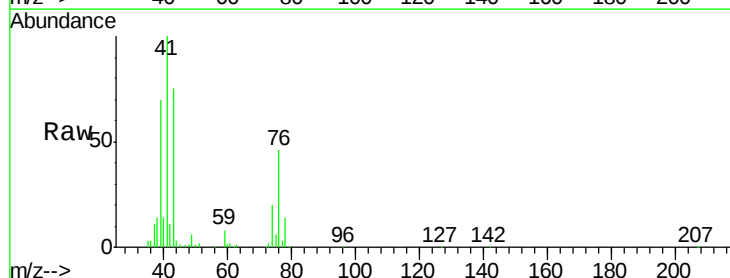
Tgt Ion: 41 Resp: 266886

Ion Ratio Lower Upper

41 100

39 67.3 56.2 84.2

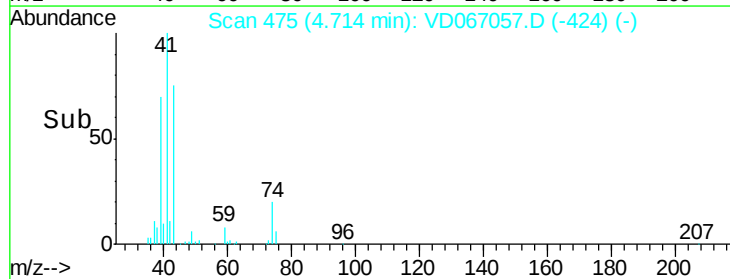
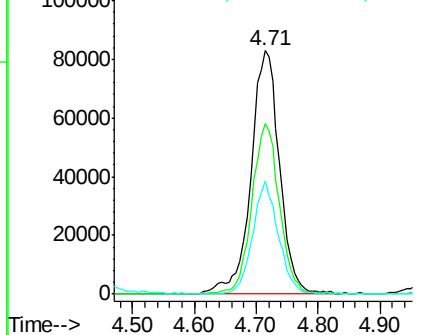
76 41.4 34.2 51.2

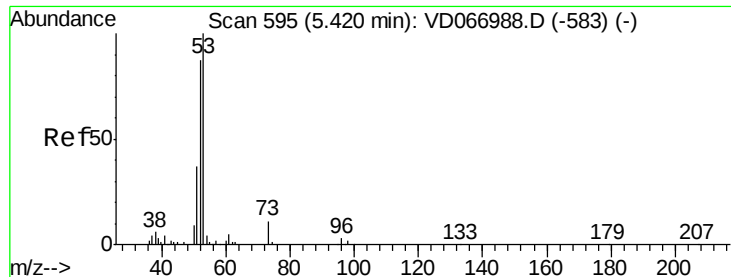


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 307.489 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

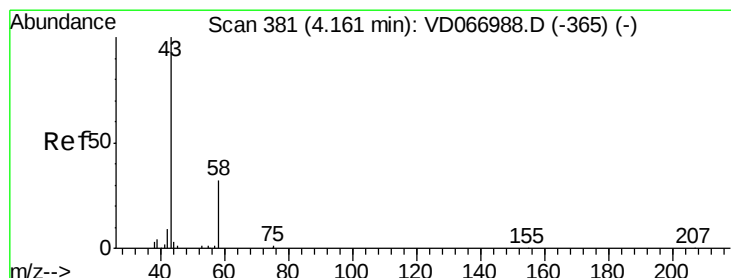
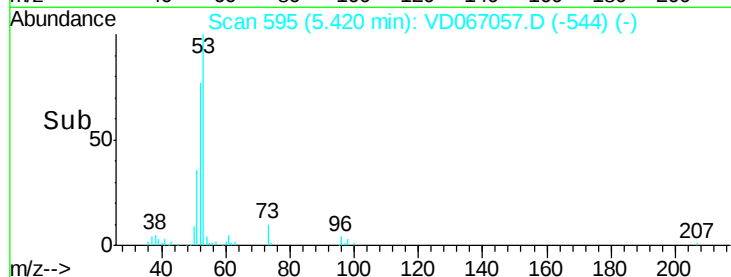
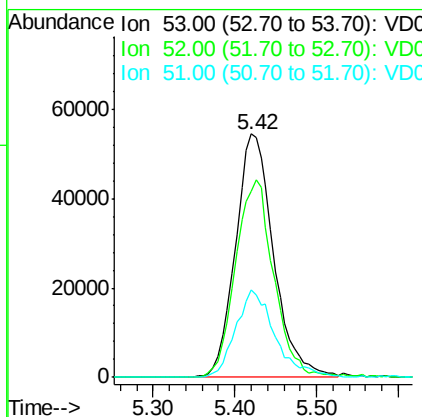
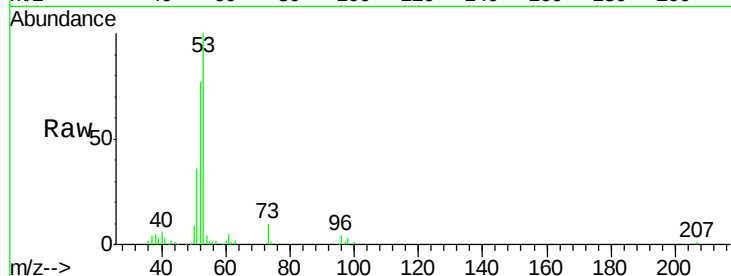
ClientSampleId :

B-18(0-1)MSD

Tot Ion:	53	Resp:	177071
Ion Ratio	Lower	Upper	
53	100		
52	81.0	67.3	100.9
51	37.1	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 316.745 ug/l

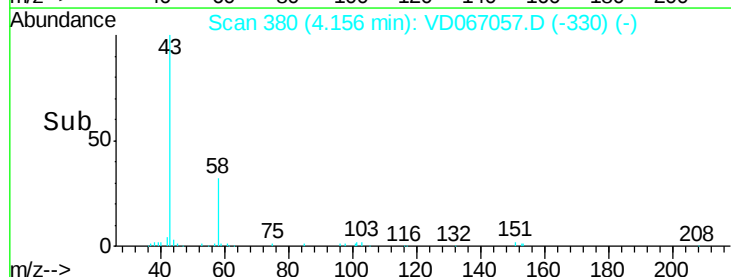
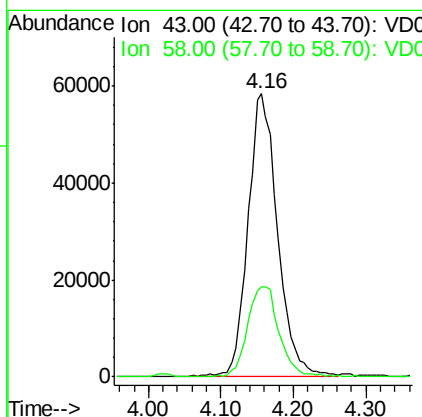
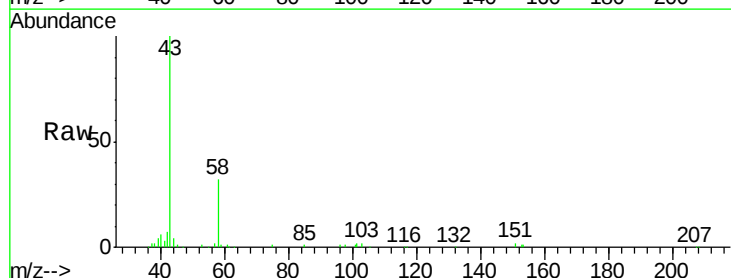
RT: 4.16 min Scan# 380

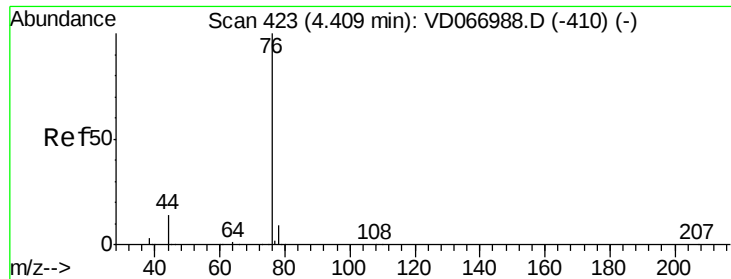
Delta R.T. -0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Tgt Ion:	43	Resp:	165630
Ion Ratio	Lower	Upper	
43	100		
58	31.8	25.9	38.9





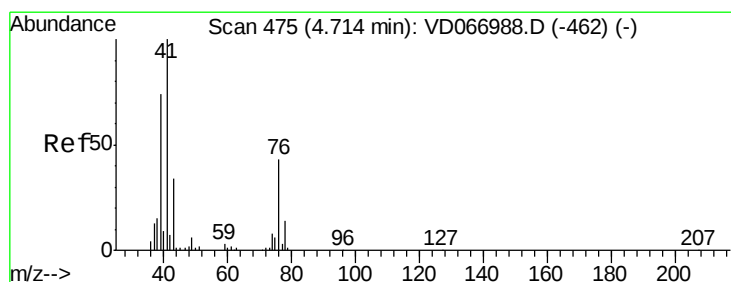
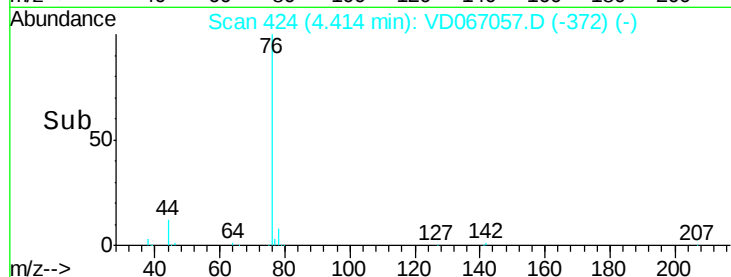
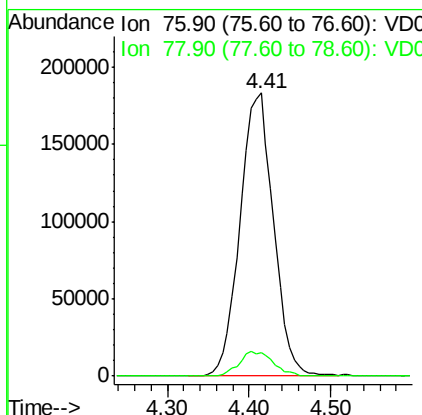
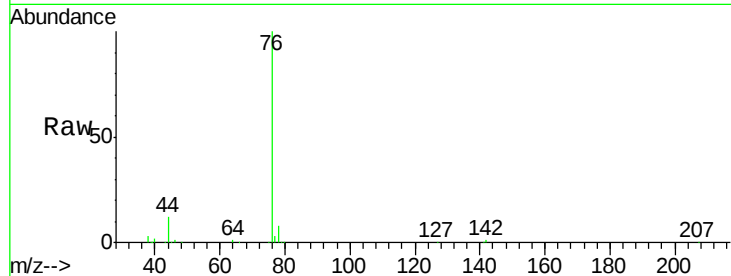
#17
Carbon Disulfide
Concen: 50.767 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.5	11.3

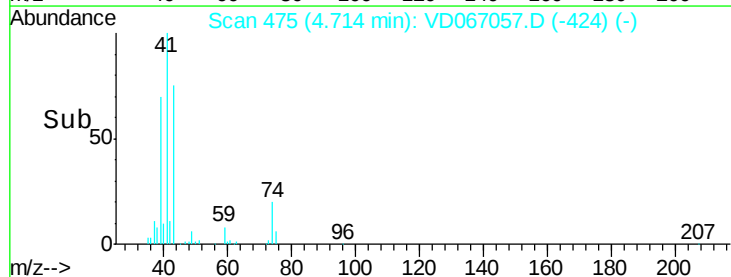
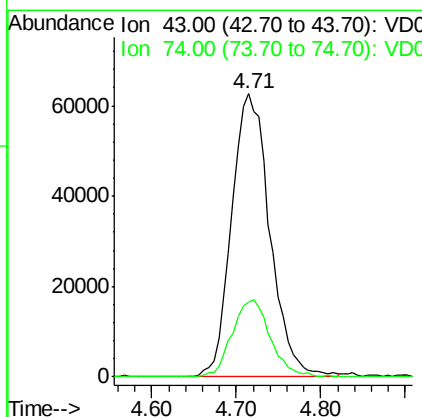
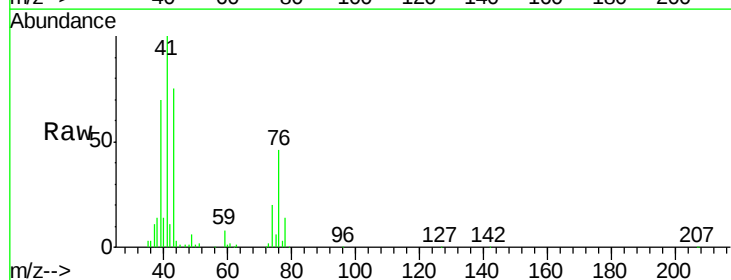
Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:39 PM



#18
Methyl Acetate
Concen: 149.191 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.2	21.5	32.3





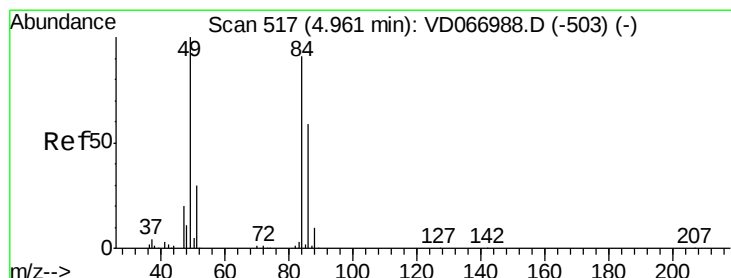
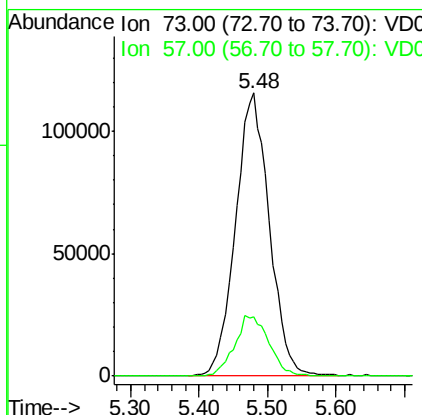
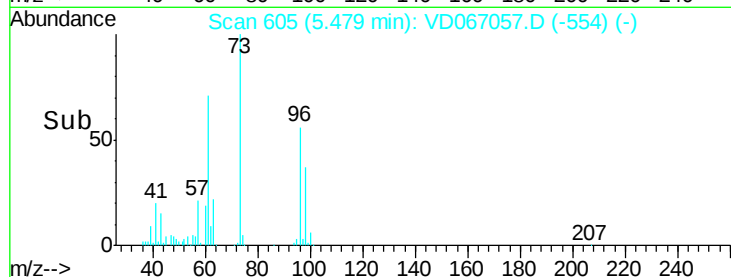
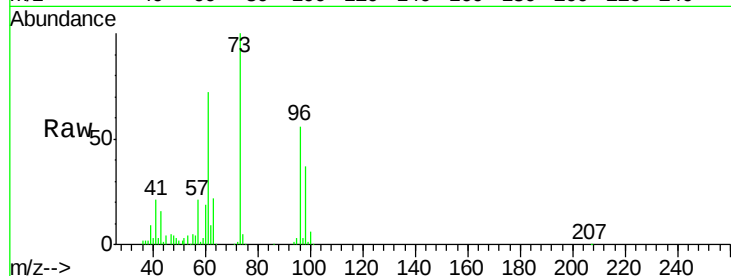
#19
Methvl tert-butvl Ether
Concen: 64.582 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion: 73 Resp: 395254
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.0

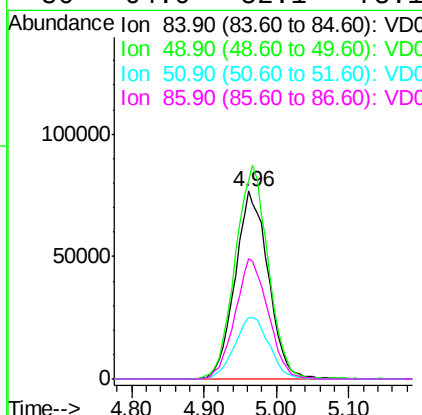
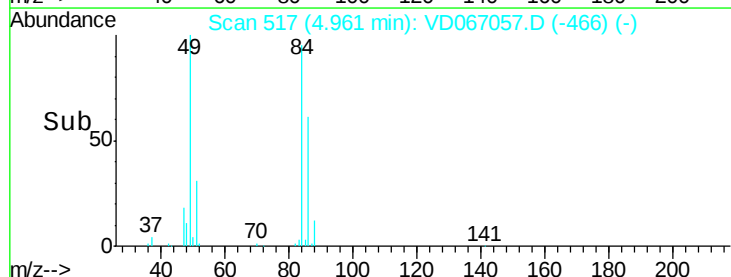
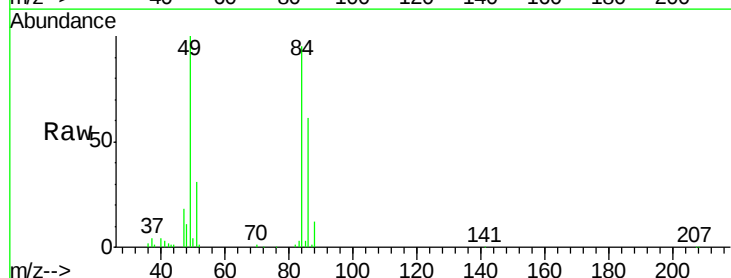
Manual Integrations
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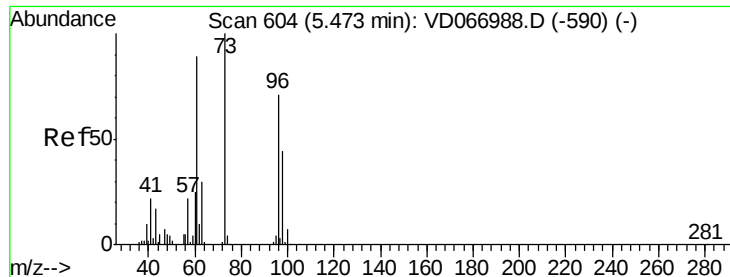
MMDadoda
10/5/2020 5:34:39 PM



#20
Methylene Chloride
Concen: 68.439 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion: 84 Resp: 244003
Ion Ratio Lower Upper
84 100
49 105.1 88.2 132.2
51 32.5 26.6 39.8
86 64.0 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 57.560 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

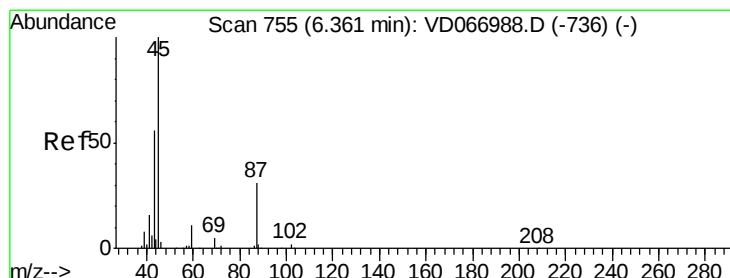
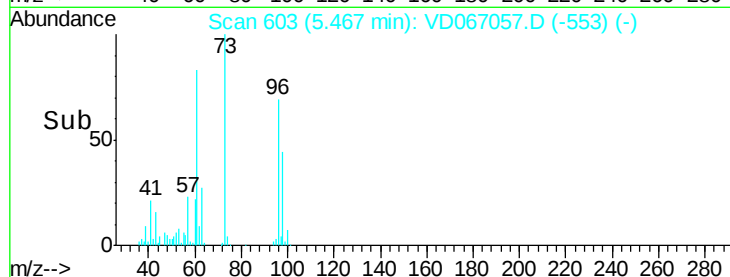
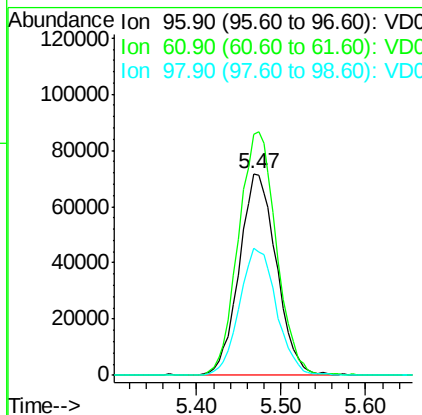
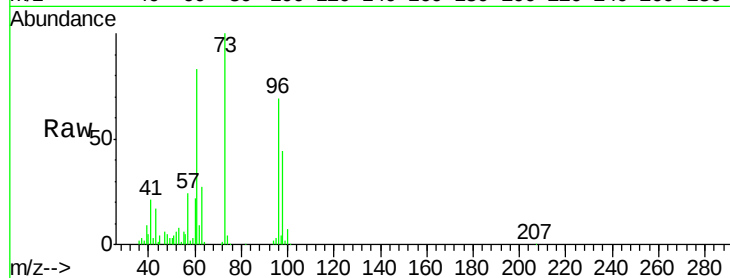
ClientSampleId :

B-18(0-1)MSD

Tot Ion:	96	Resp:	219614
Ion	Ratio	Lower	Upper
96	100		
61	119.4	99.6	149.4
98	62.9	49.4	74.2

Manual Integrations
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10/5/2020 5:34:39 PM



#22

Diisopropyl ether

Concen: 65.428 ug/l

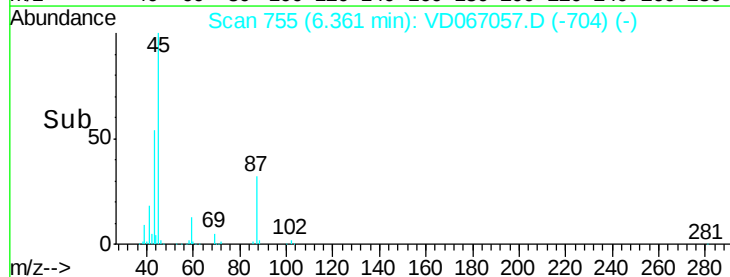
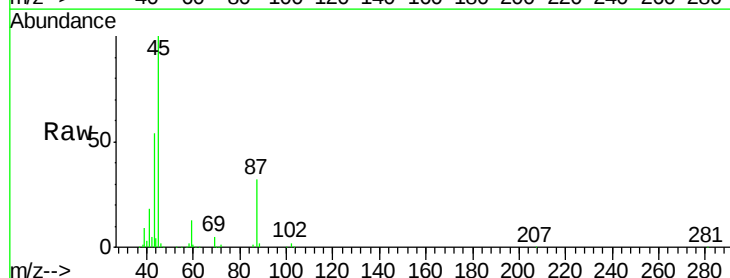
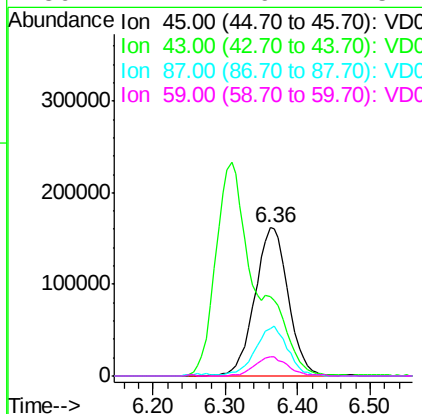
RT: 6.36 min Scan# 755

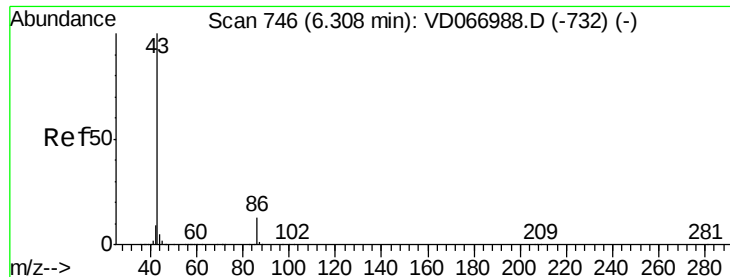
Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Tgt Ion:	45	Resp:	520232
Ion	Ratio	Lower	Upper
45	100		
43	53.0	45.2	67.8
87	32.1	25.6	38.4
59	12.4	9.1	13.7





#23

Vinyl Acetate

Concen: 203.190 ug/l m

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Tot Ion: 43 Resp: 915503

Ion Ratio Lower Upper

43 100

86 12.7 10.2 15.2

Instrument :

MSVOA_D

ClientSampleId :

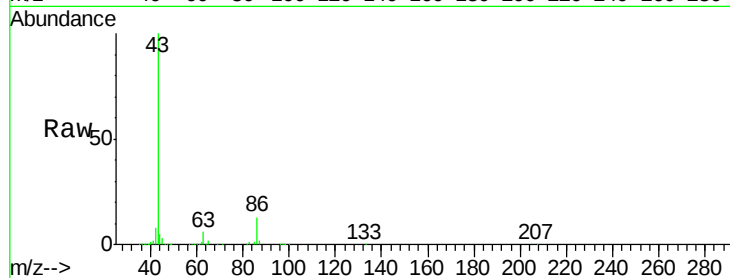
B-18(0-1)MSD

Manual Integrations

APPROVED

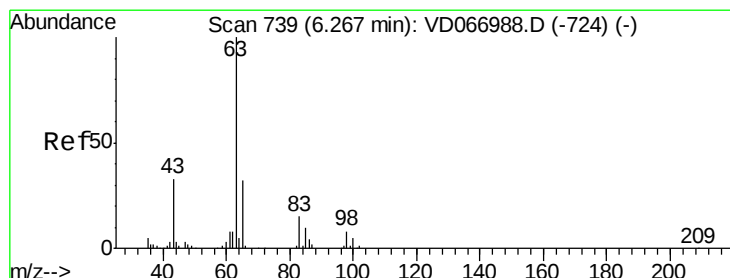
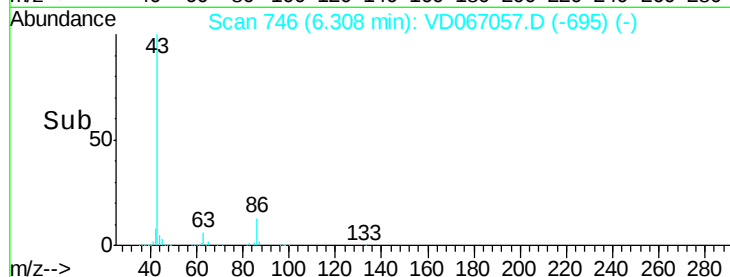
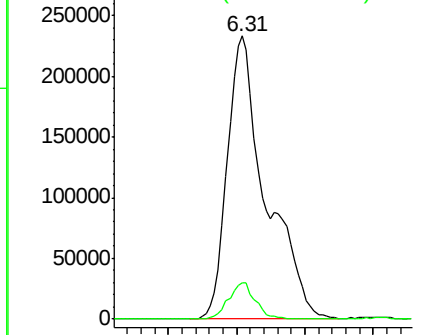
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 59.713 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

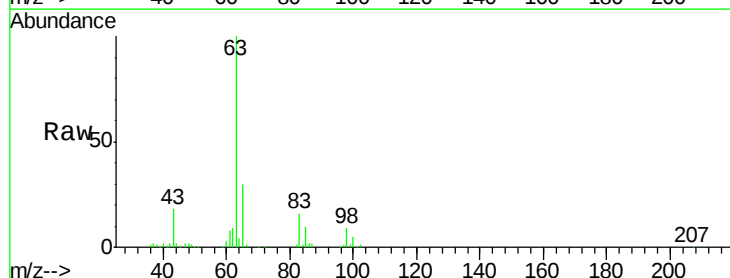
Tgt Ion: 63 Resp: 366420

Ion Ratio Lower Upper

63 100

98 8.9 4.2 12.6

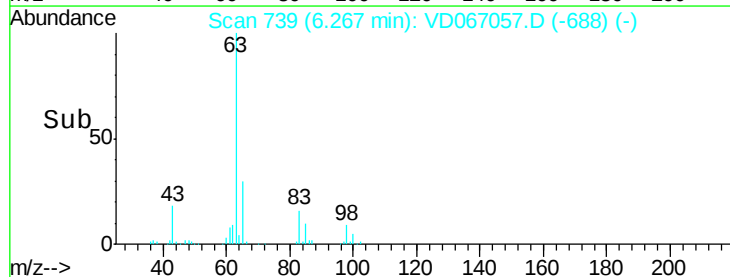
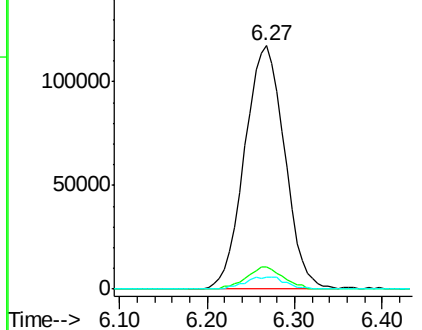
100 5.1 2.6 7.8

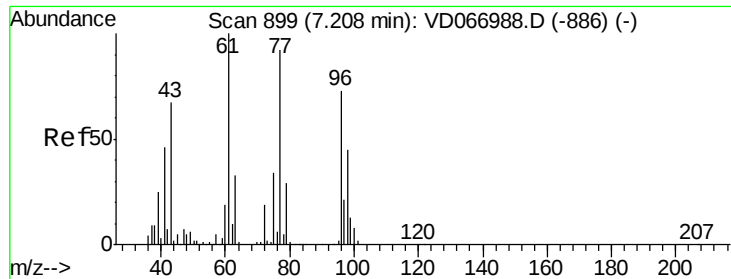


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





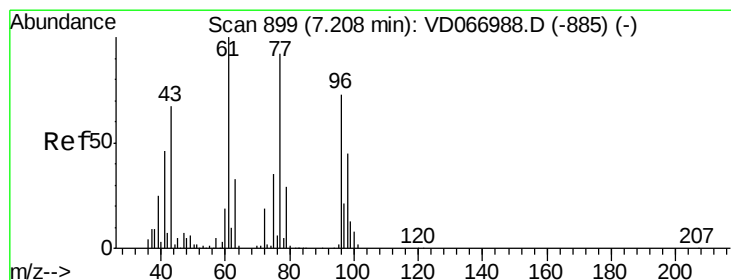
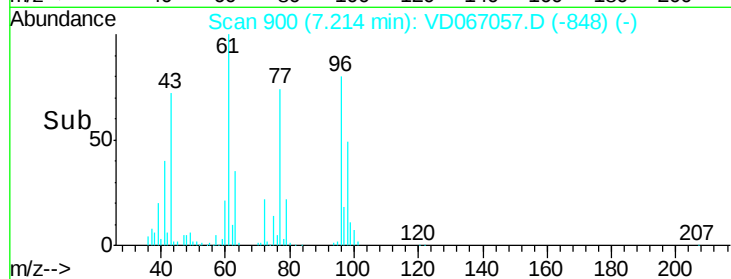
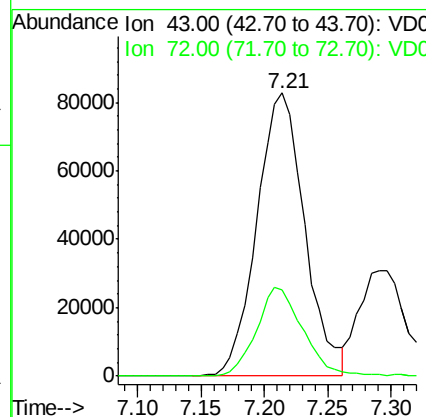
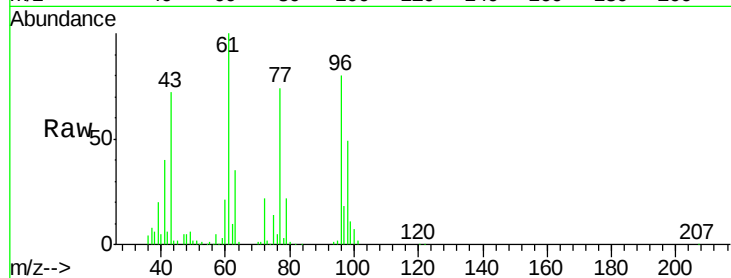
#25
2-Butanone
Concen: 292.863 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion	43	Ratio	Lower	Upper
217120	100			
72	30.7	22.8	34.2	

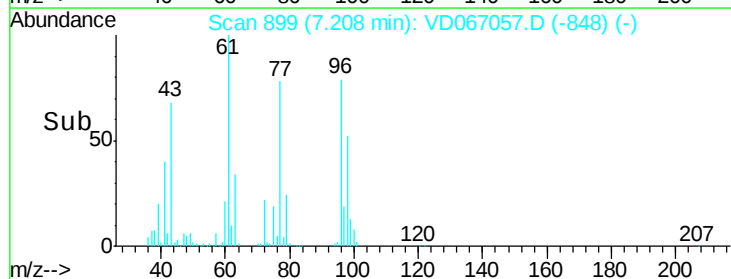
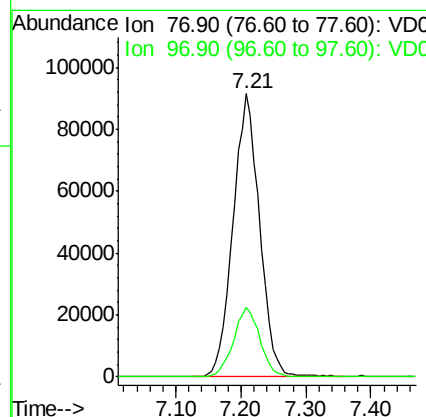
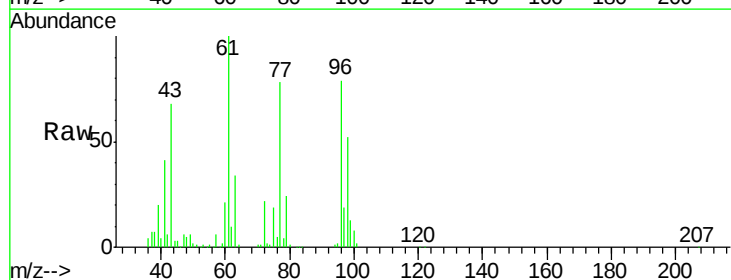
Manual Integrations
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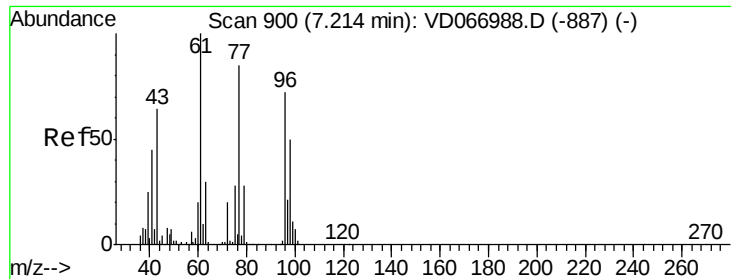
MMDadoda
10/5/2020 5:34:39 PM



#26
2,2-Dichloropropane
Concen: 49.310 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	77	Ratio	Lower	Upper
259037	100			
97	24.4	11.4	34.2	





#27

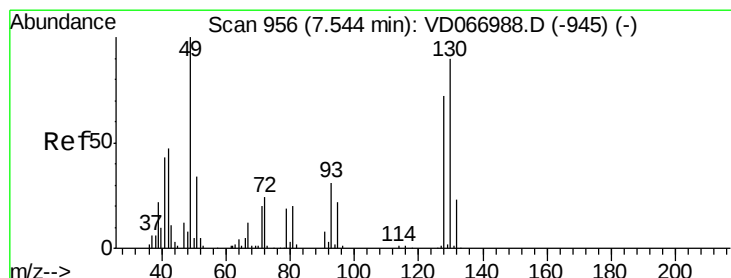
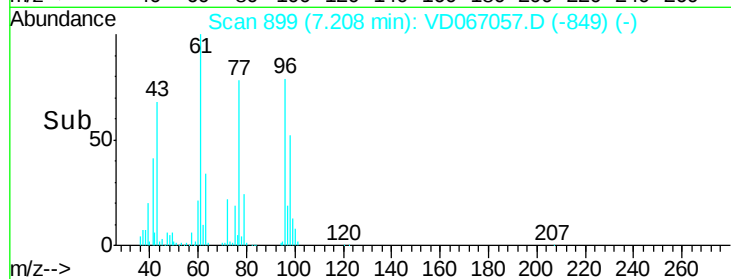
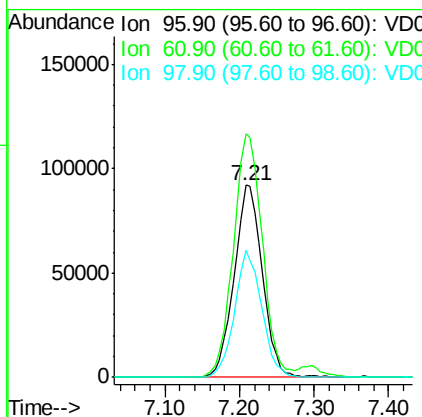
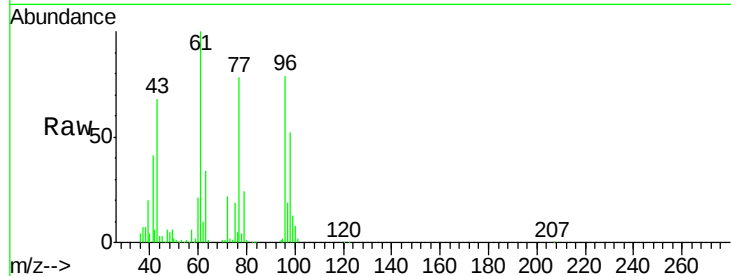
cis-1,2-Dichloroethene
Concen: 59.290 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	241595		
61	130.5	0.0	269.2	
98	63.6	0.0	129.4	

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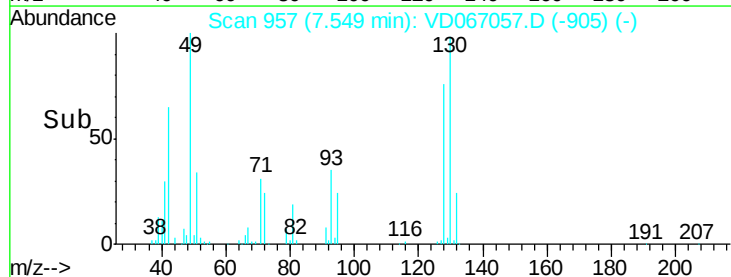
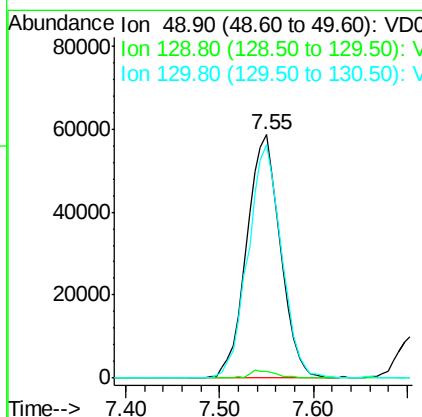
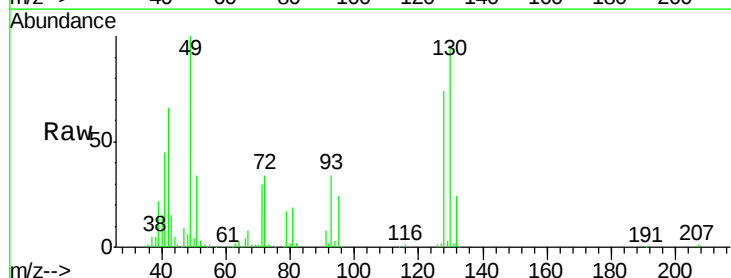
MMDadoda
10/5/2020 5:34:39 PM

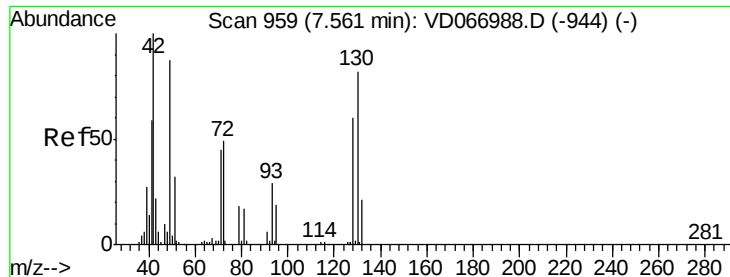


#28

Bromochloromethane
Concen: 61.348 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	145380		
129	2.5	0.0	4.6	
130	95.3	74.1	111.1	





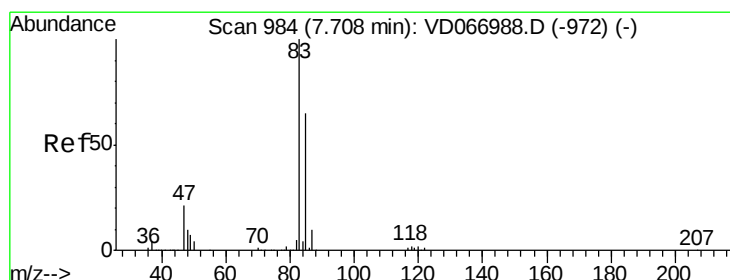
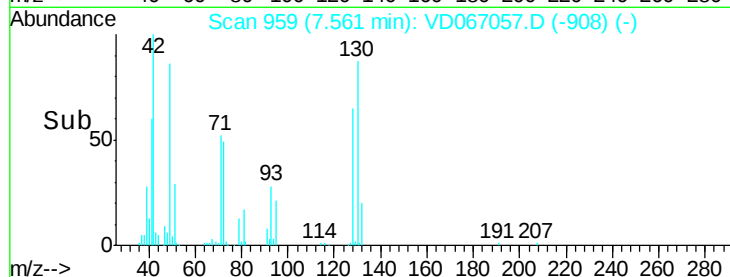
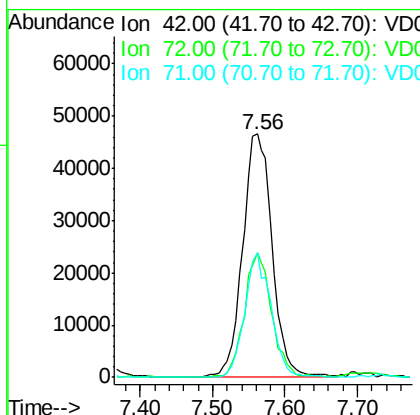
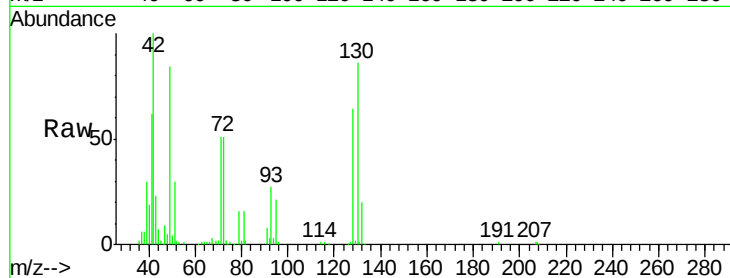
#29
Tetrahydrofuran
Concen: 308.118 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	39.1	58.7
71	45.7	34.2	51.4

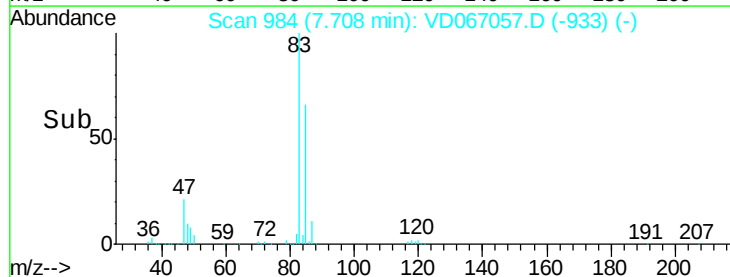
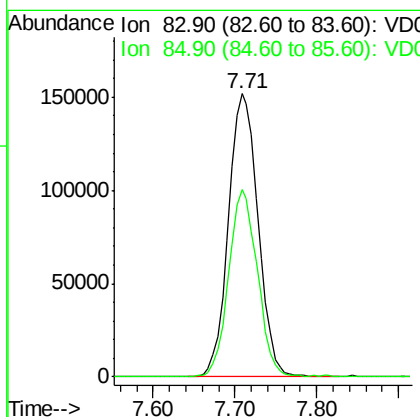
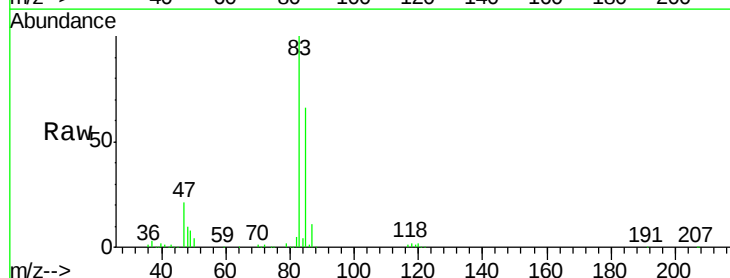
Manual Integrations
APPROVED

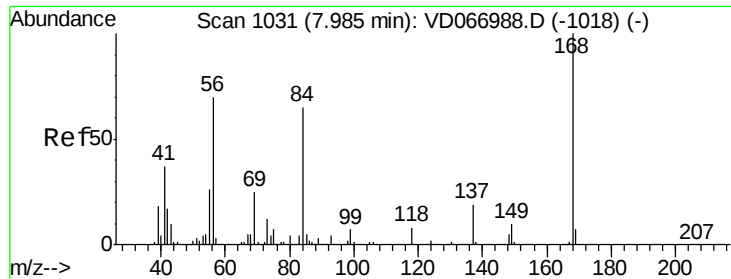
MMDadoda
10/5/2020 5:34:39 PM



#30
Chloroform
Concen: 57.431 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.3	78.5





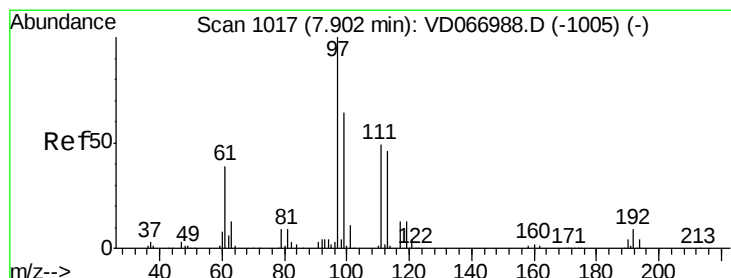
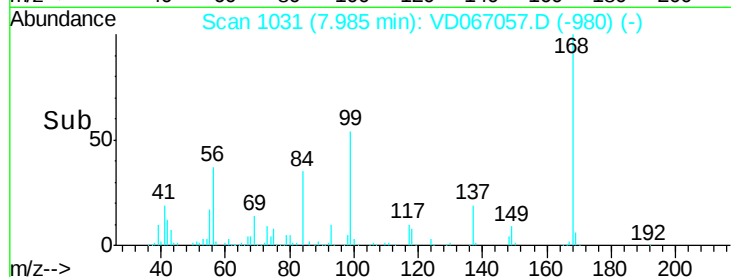
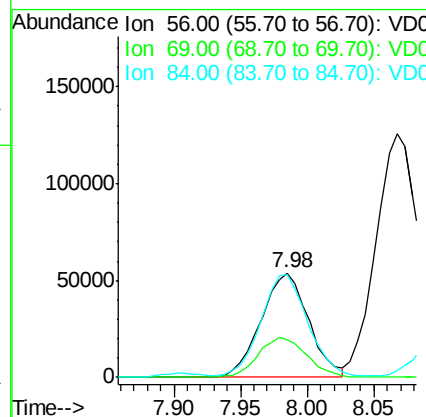
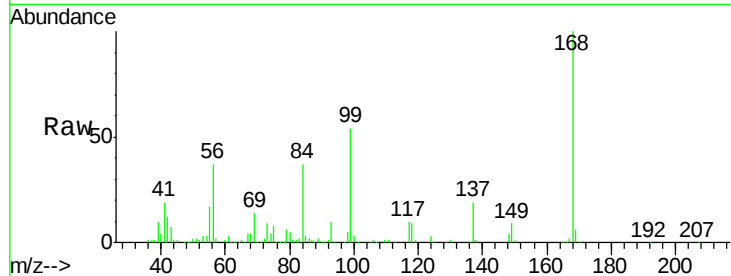
#31
Cyclohexane
Concen: 25.976 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	29.0	43.6
84	95.5	74.2	111.2

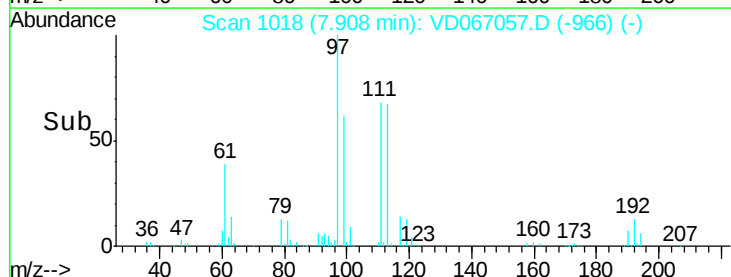
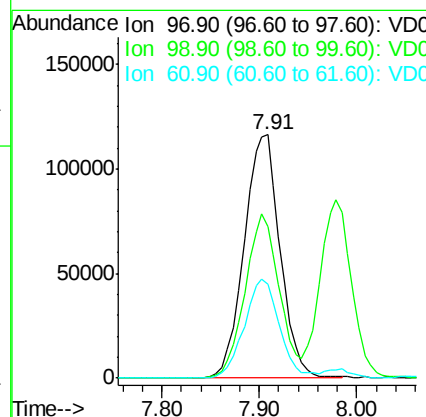
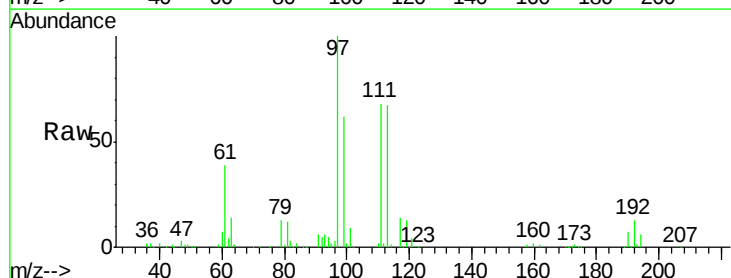
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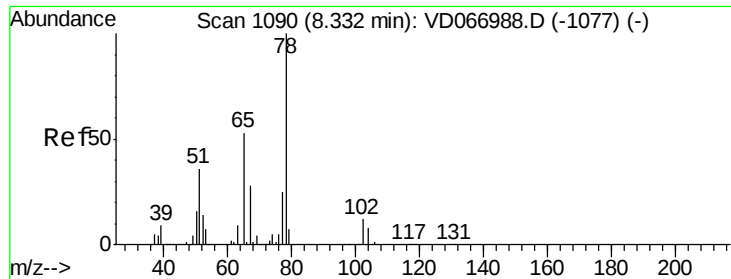
MMDadoda
10/5/2020 5:34:39 PM



#32
1,1,1-Trichloroethane
Concen: 48.452 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.6	78.8
61	40.2	32.8	49.2





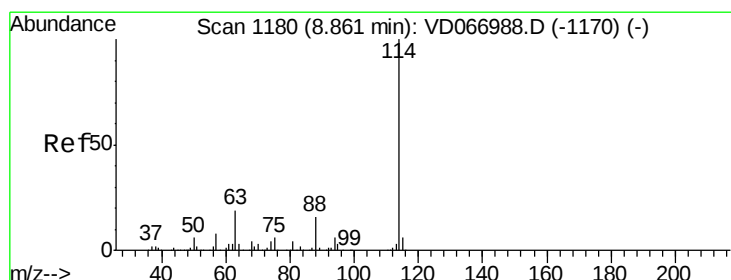
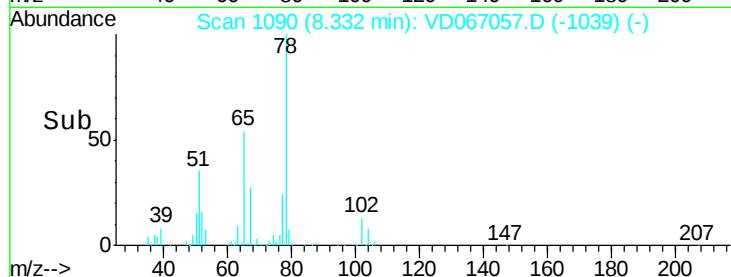
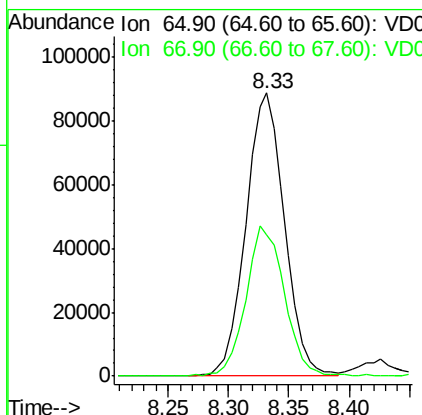
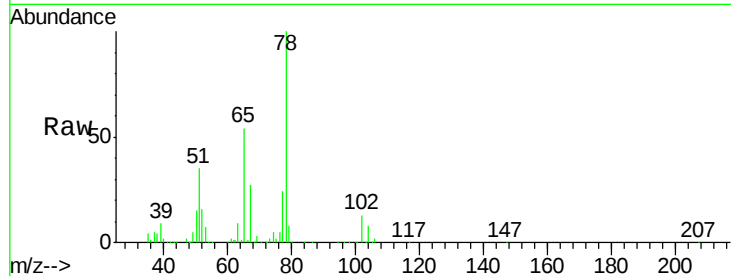
#33
 1,2-Dichloroethane-d4
 Concen: 57.839 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	198130		
67	53.1	0.0	106.8	

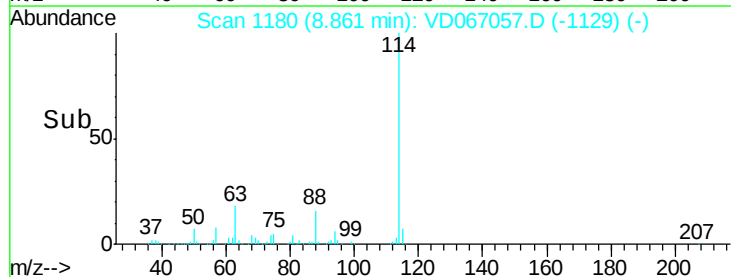
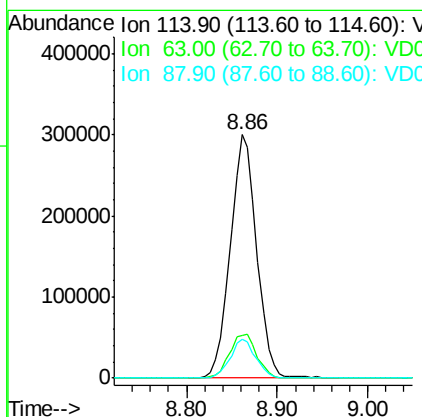
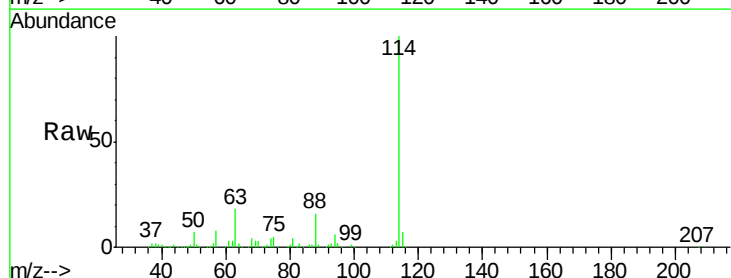
Manual Integrations
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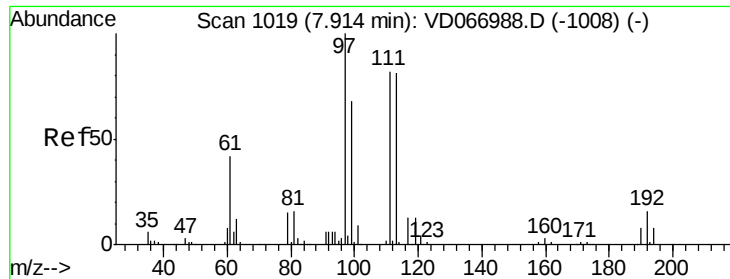
MMDadoda
 10/5/2020 5:34:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	605466		
63	17.6	0.0	38.4	
88	15.8	0.0	31.2	





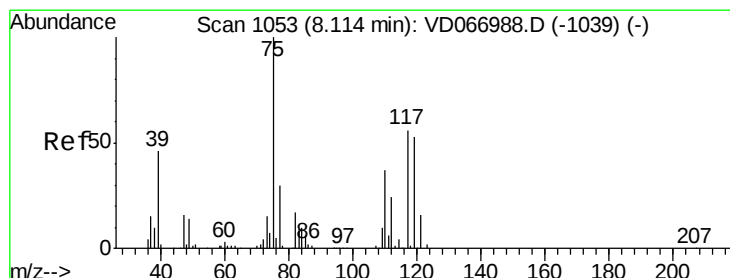
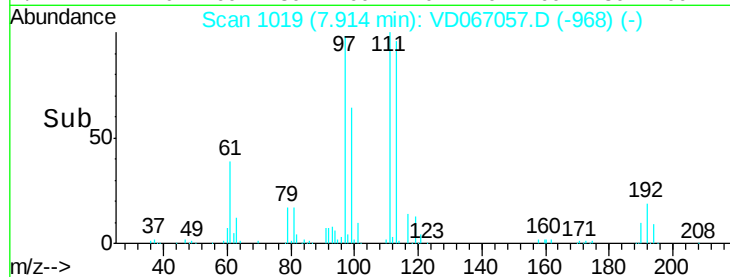
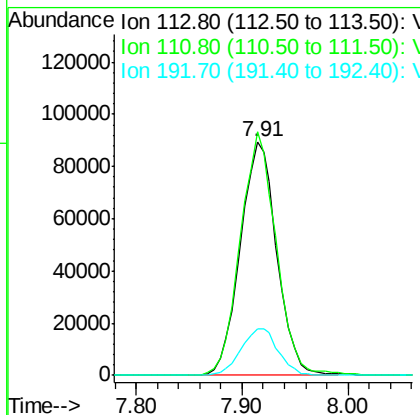
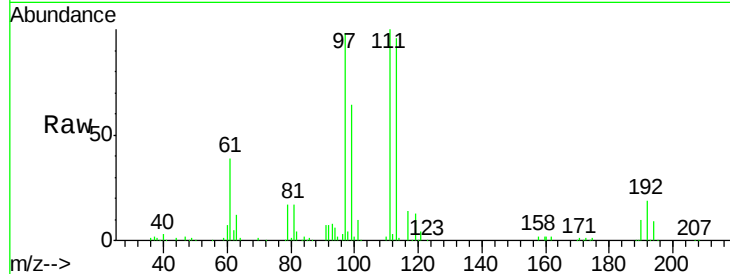
#35
 Dibromofluoromethane
 Concen: 53.907 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	213682		
111	102.8	83.0	124.4	
192	20.5	15.5	23.3	

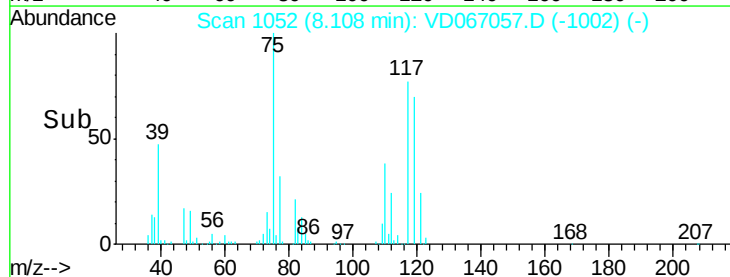
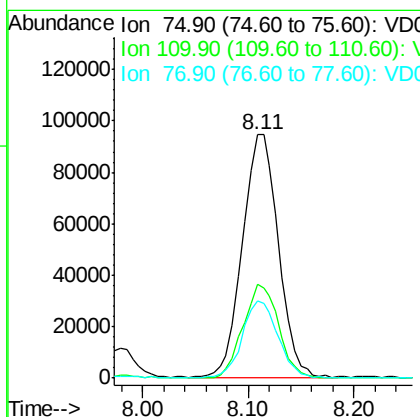
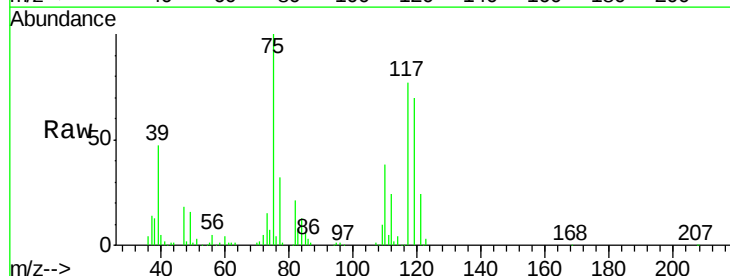
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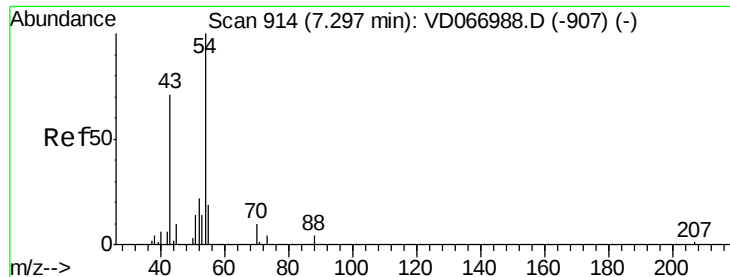
MMDadoda
 10/5/2020 5:34:39 PM



#36
 1,1-Dichloropropene
 Concen: 39.605 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	223516		
110	38.0	18.4	55.0	
77	31.9	24.8	37.2	





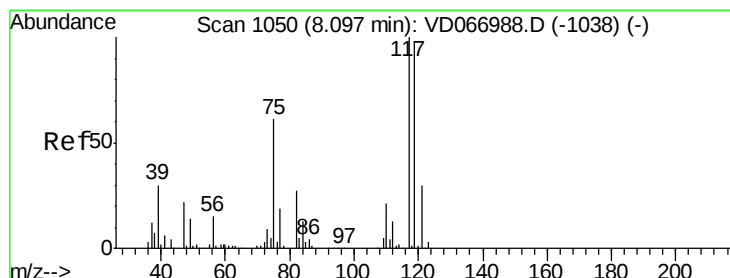
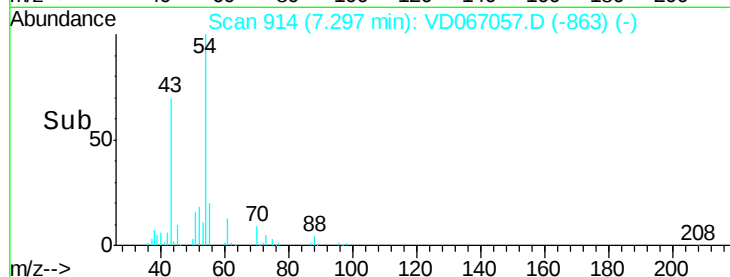
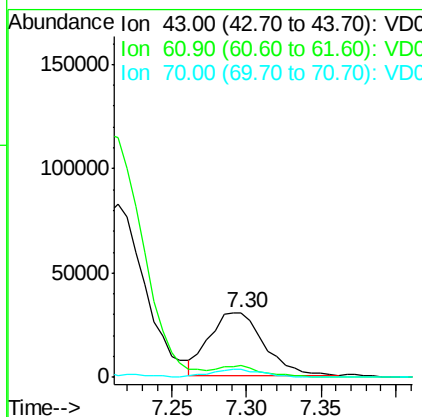
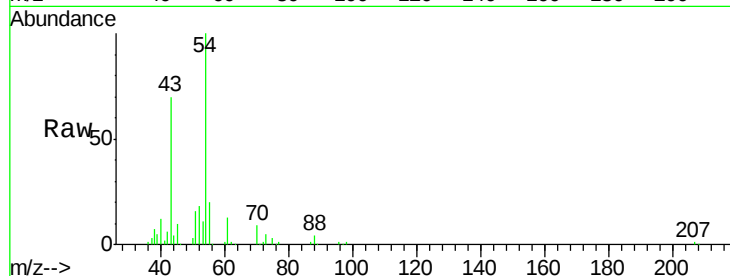
#37
Ethyl Acetate
Concen: 39.440 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.5	18.7
70	12.6	9.4	14.0

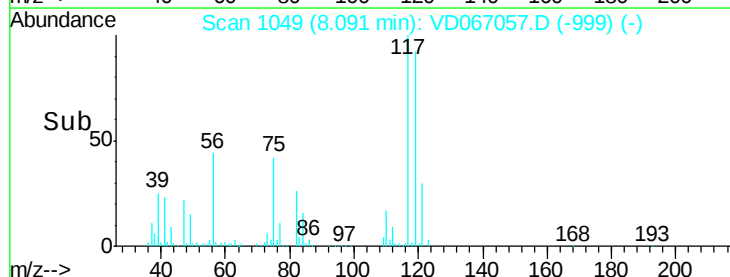
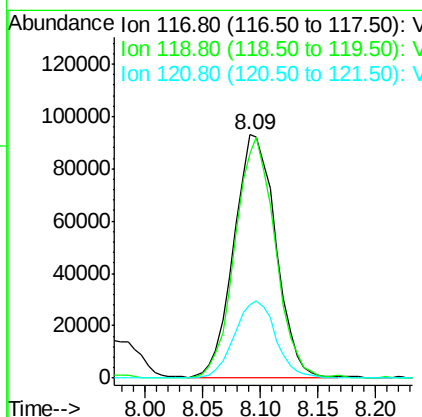
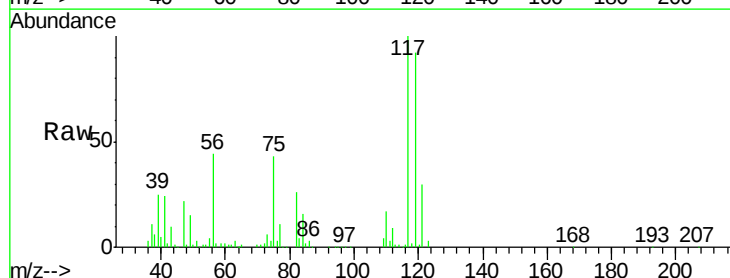
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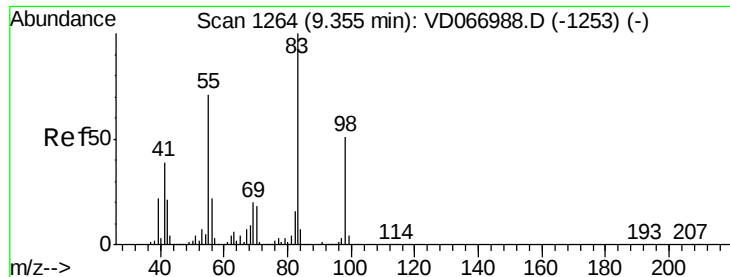
MMDadoda
10/5/2020 5:34:39 PM



#38
Carbon Tetrachloride
Concen: 38.274 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	78.7	118.1
121	30.5	24.2	36.2





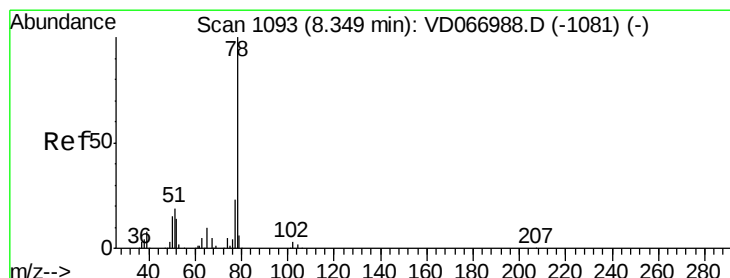
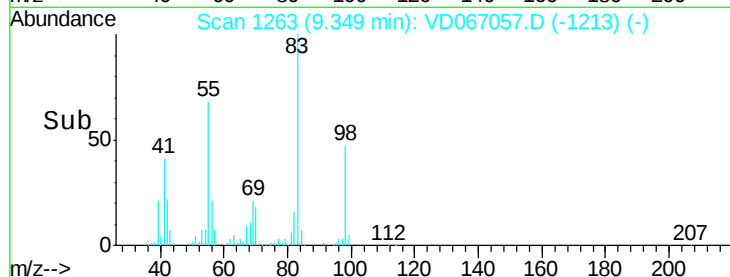
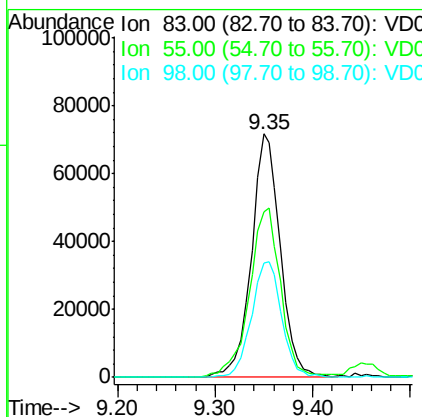
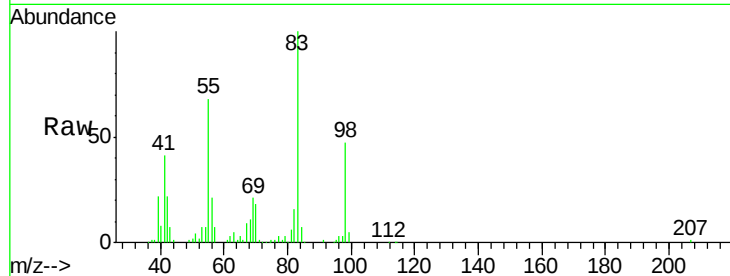
#39
Methvlcvclohexane
Concen: 24.995 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.8	57.1	85.7
98	47.0	40.9	61.3

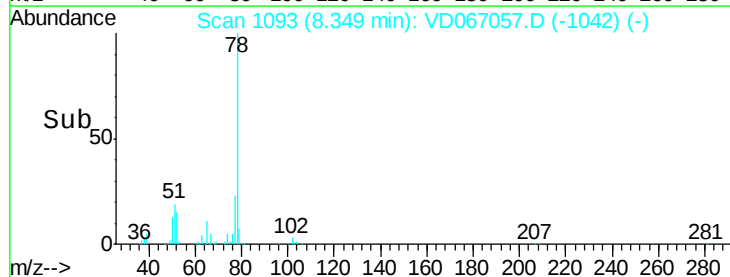
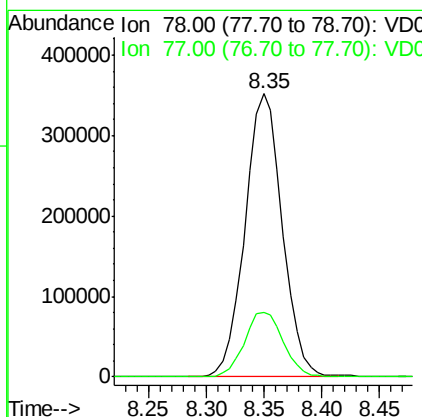
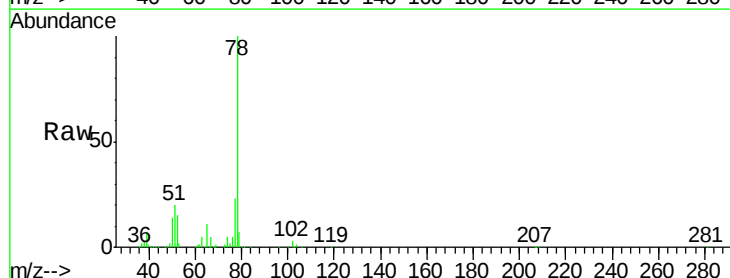
Manual Integrations
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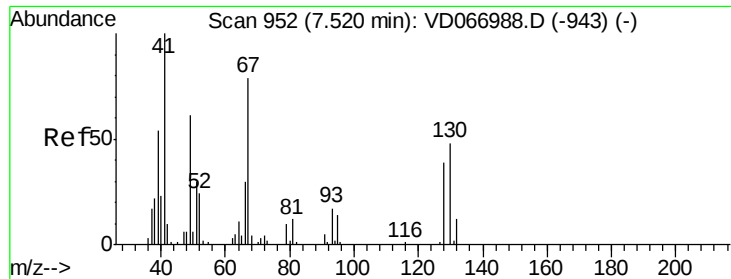
MMDadoda
10/5/2020 5:34:39 PM



#40
Benzene
Concen: 50.309 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6





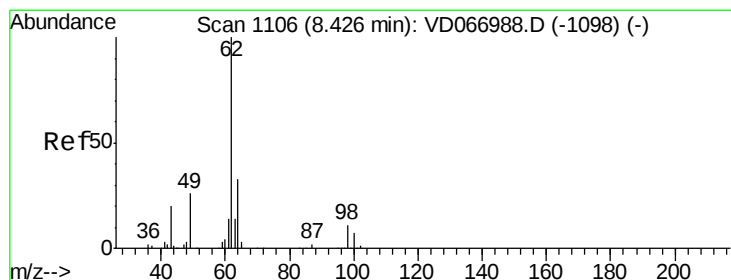
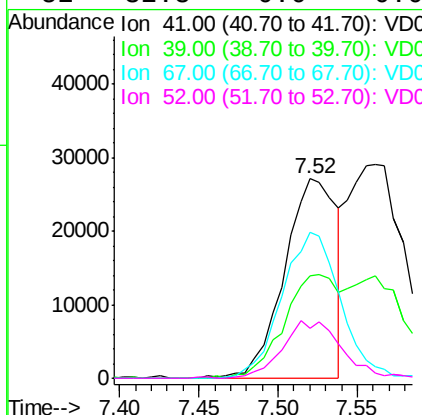
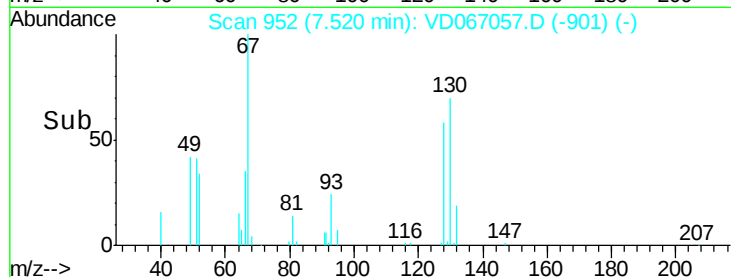
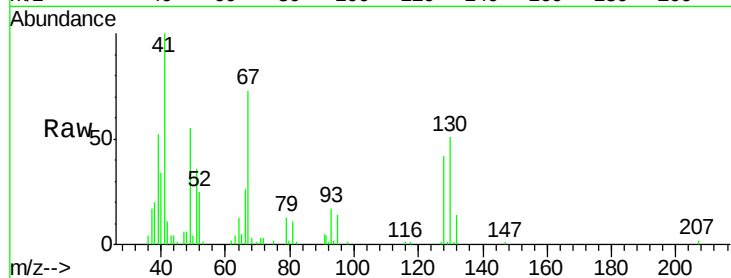
#41
Methacrylonitrile
Concen: 58.692 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.9	0.0	0.0#
67	82.3	0.0	0.0#
52	32.8	0.0	0.0#

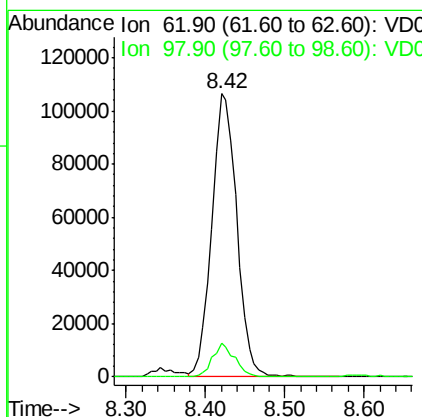
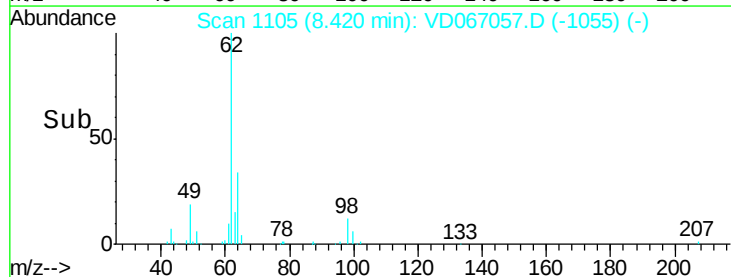
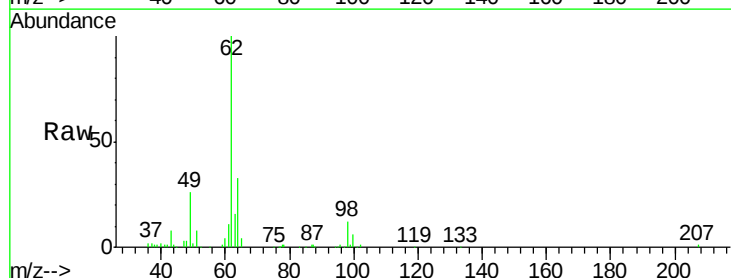
Manual Integrations
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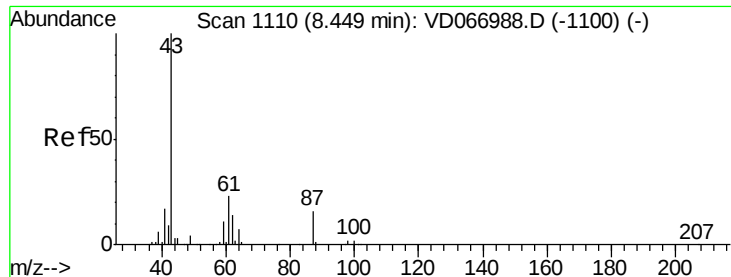
MMDadoda
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#42
1,2-Dichloroethane
Concen: 53.219 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	22.6





#43

Isopropyl Acetate

Concen: 44.311 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

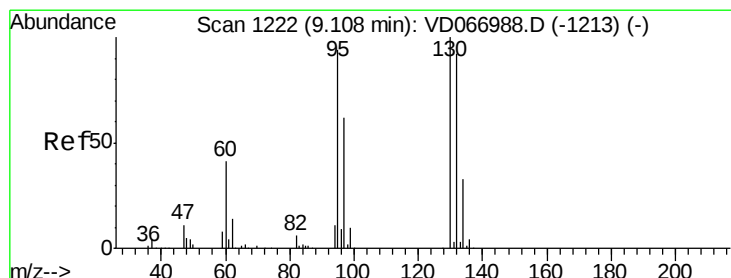
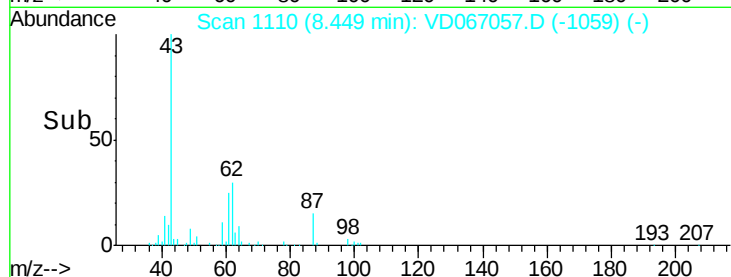
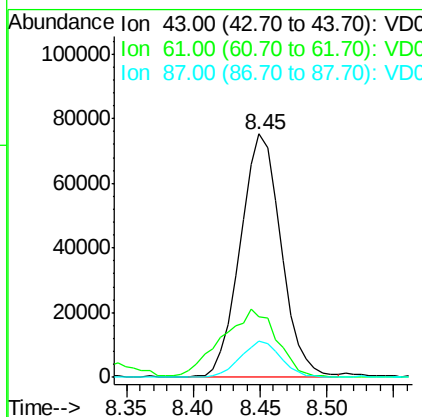
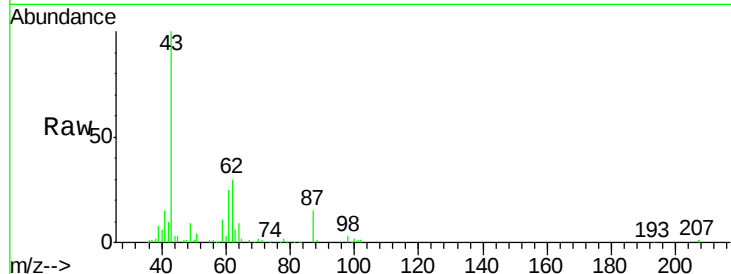
ClientSampleId :

B-18(0-1)MSD

Tot Ion:	43	Resp:	159596
Ion	Ratio	Lower	Upper
43	100		
61	38.1	27.1	40.7
87	14.8	12.3	18.5

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#44

Trichloroethene

Concen: 43.212 ug/l

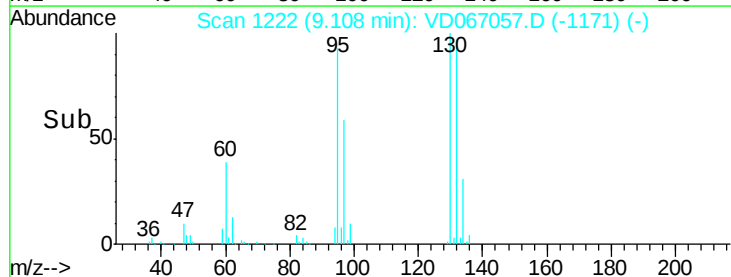
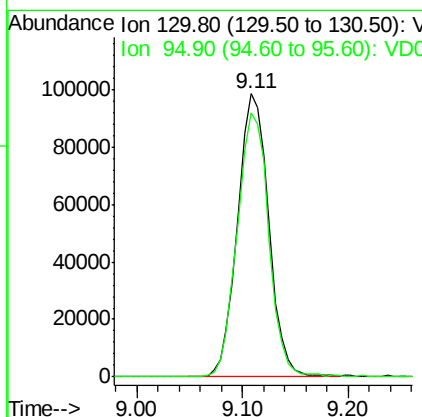
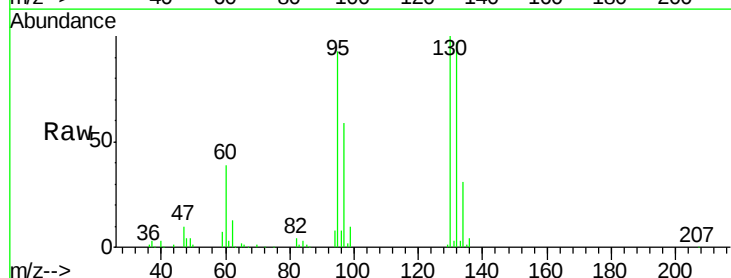
RT: 9.11 min Scan# 1222

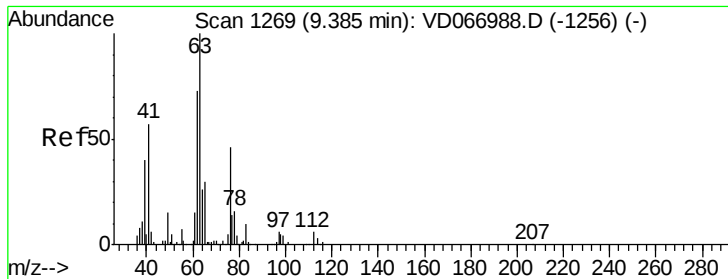
Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Tgt Ion:	130	Resp:	202267
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	187.8





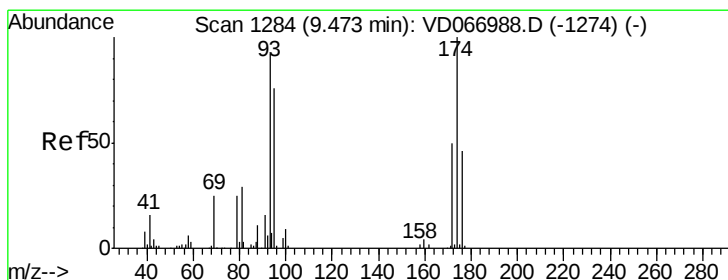
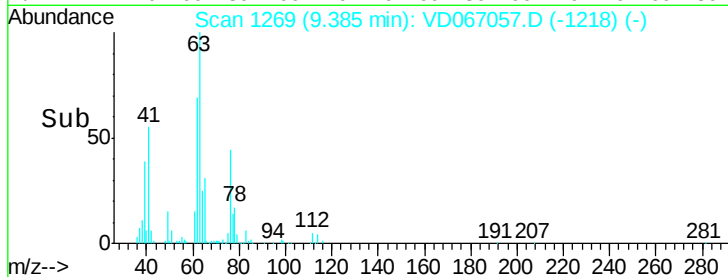
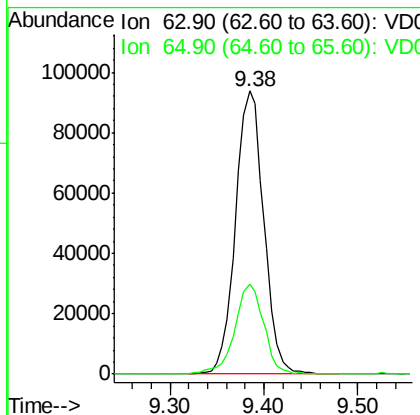
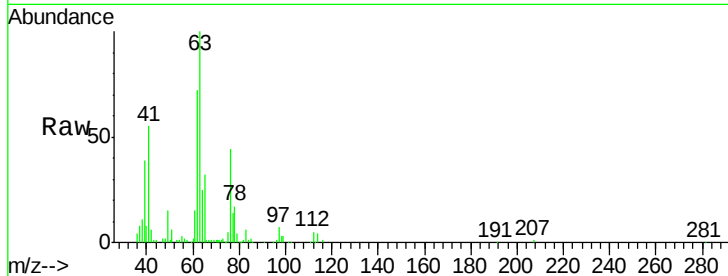
#45
 1,2-Dichloropropane
 Concen: 53.259 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	23.7	35.5

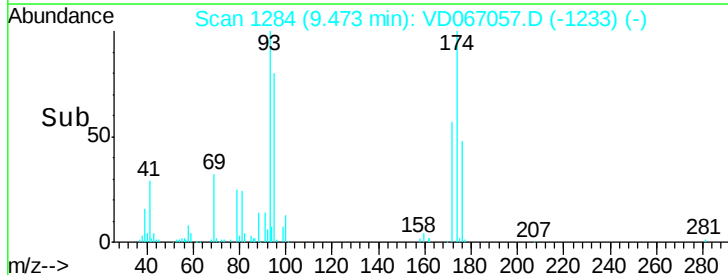
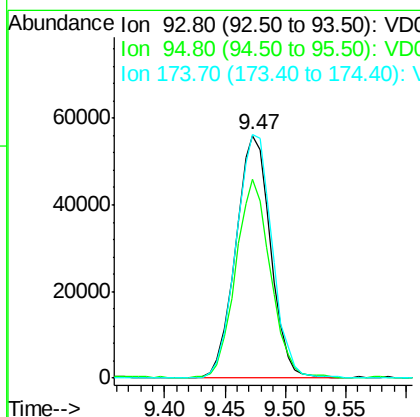
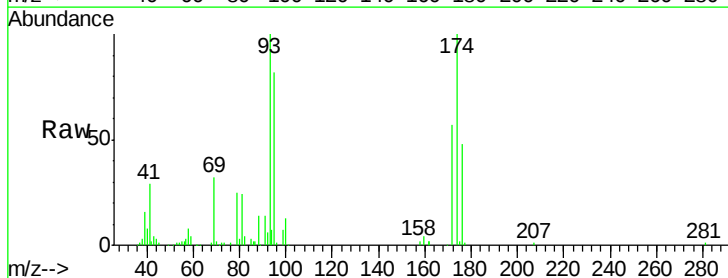
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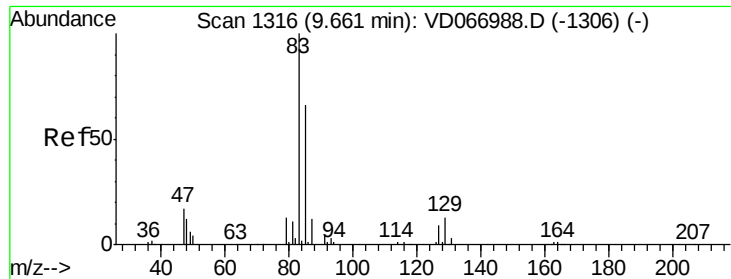
MMDadoda
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#46
 Dibromomethane
 Concen: 53.131 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	64.7	97.1
174	104.0	81.4	122.2





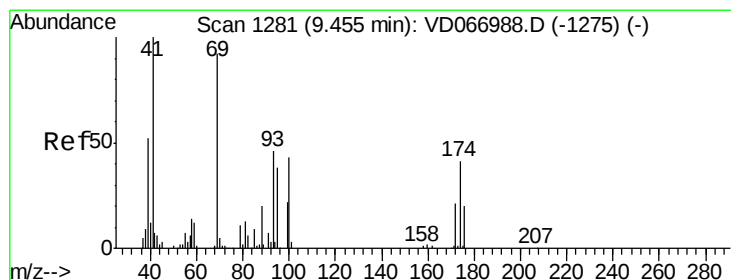
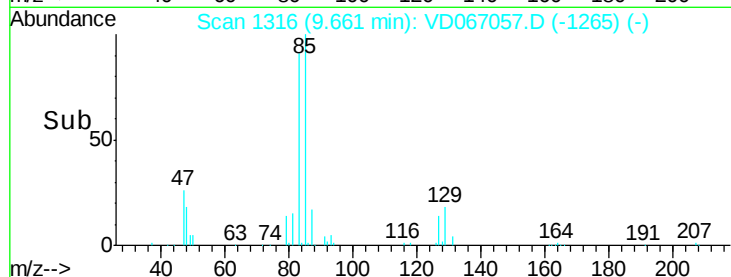
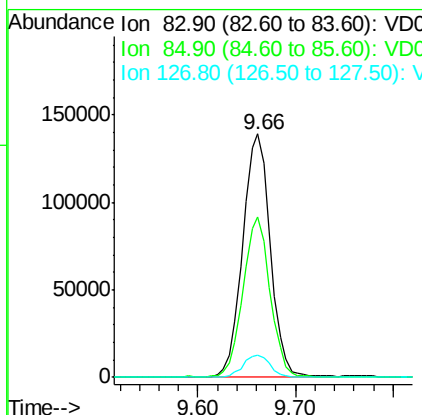
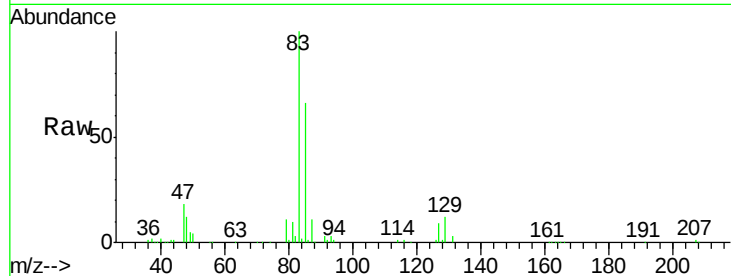
#47
Bromodichloromethane
Concen: 50.176 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	276107		
85	65.6	52.9	79.3	
127	9.4	7.3	10.9	

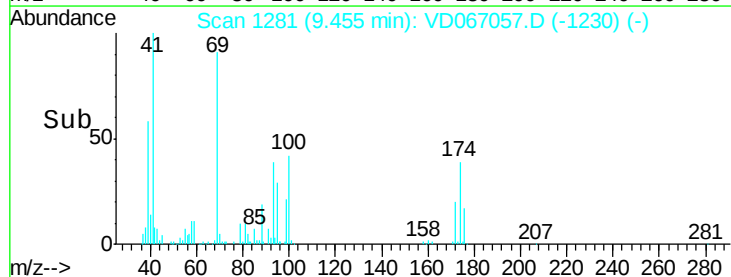
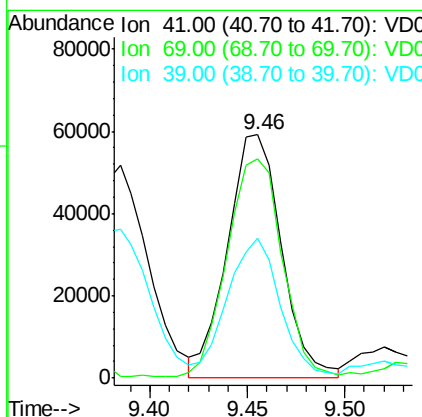
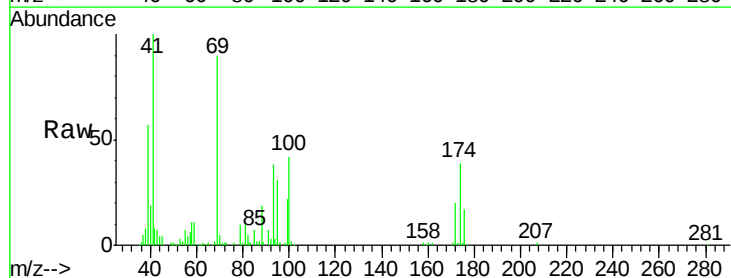
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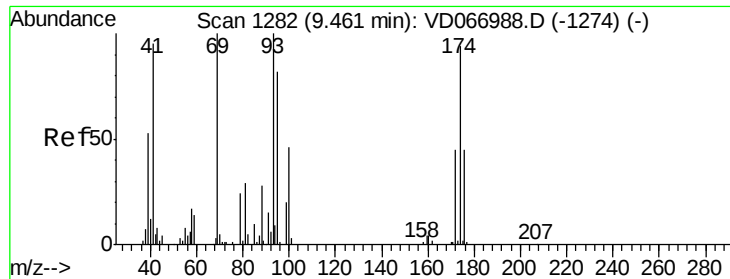
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#48
Methyl methacrylate
Concen: 61.575 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	113619		
69	92.7	68.5	102.7	
39	56.4	40.2	60.2	





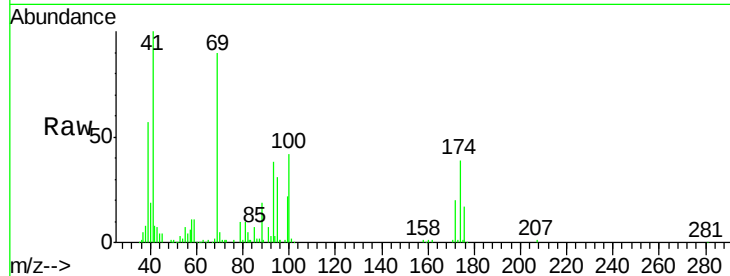
#49
1,4-Dioxane
Concen: 1151.831 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

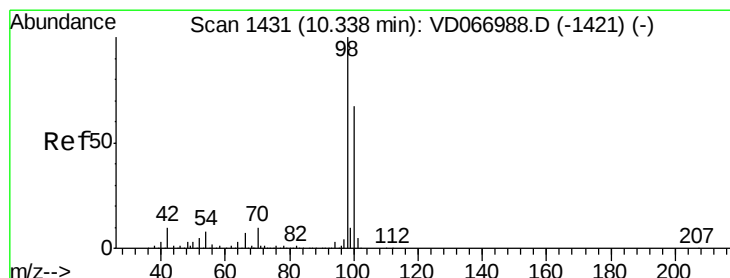
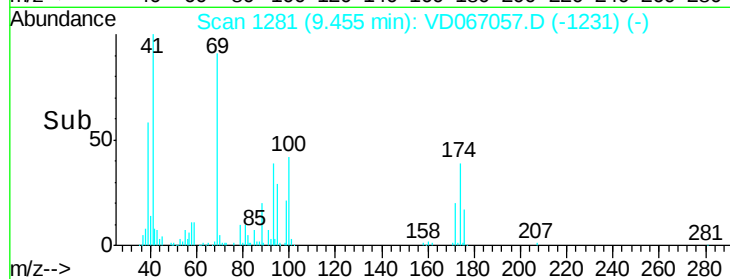
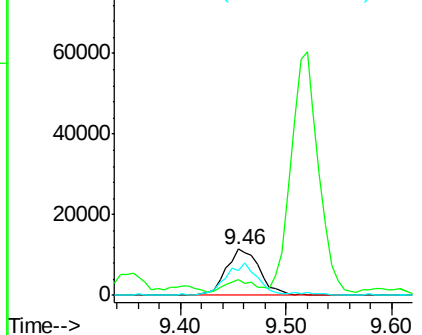
Tot Ion	88	Resp	25448
Ion Ratio	Lower	Upper	
88	100		
43	30.2	25.6	38.4
58	65.9	53.5	80.3

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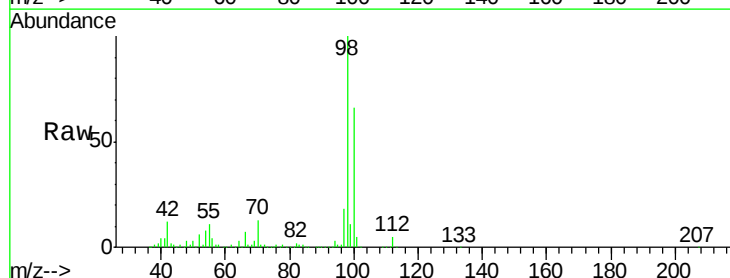


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

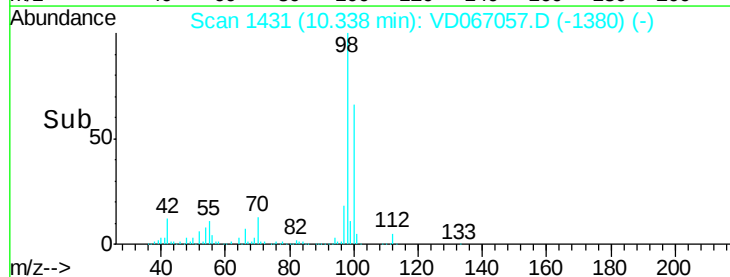
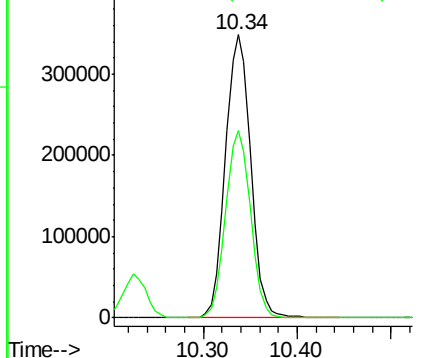


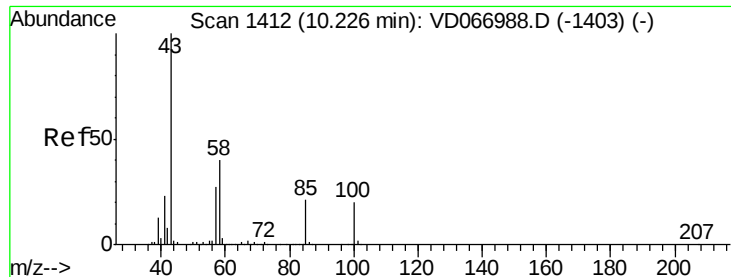
#50
Toluene-d8
Concen: 45.052 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	98	Resp	650730
Ion Ratio	Lower	Upper	
98	100		
100	64.8	52.8	79.2



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





#51

4-Methyl-2-Pentanone

Concen: 282.357 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

Tot Ion: 43 Resp: 506551

Ion Ratio Lower Upper

43 100

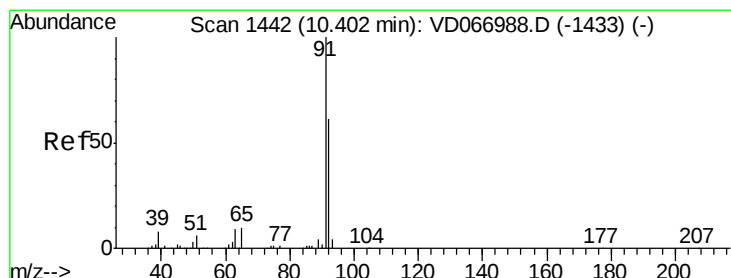
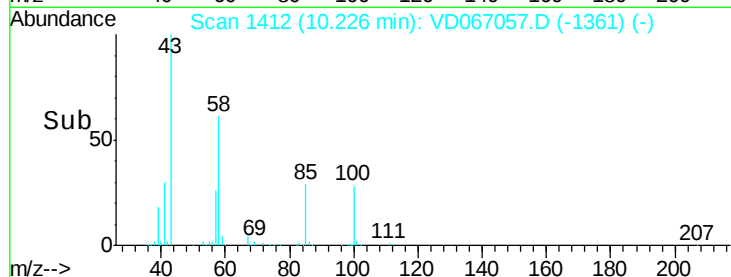
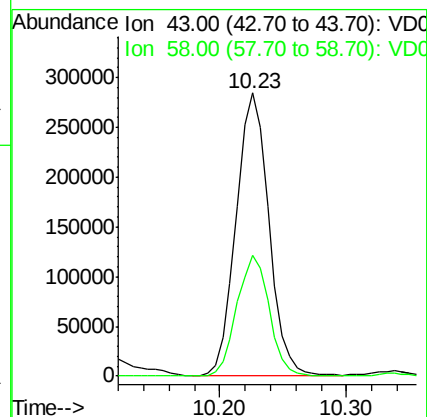
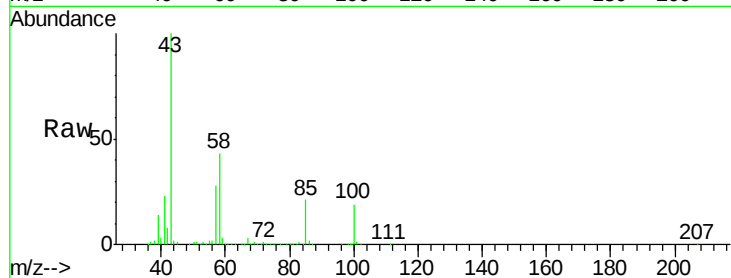
58 42.5 33.8 50.8

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#52

Toluene

Concen: 44.951 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD067057.D

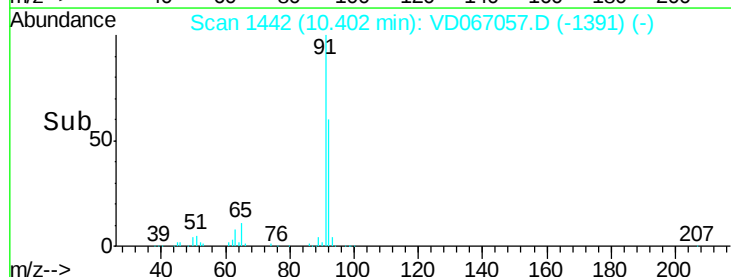
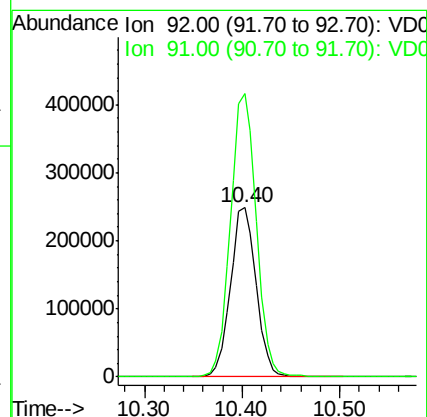
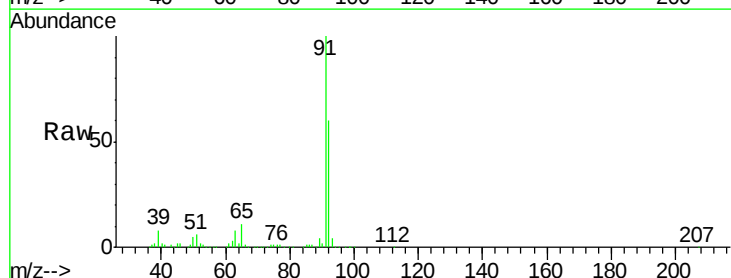
Acq: 03 Oct 2020 02:26

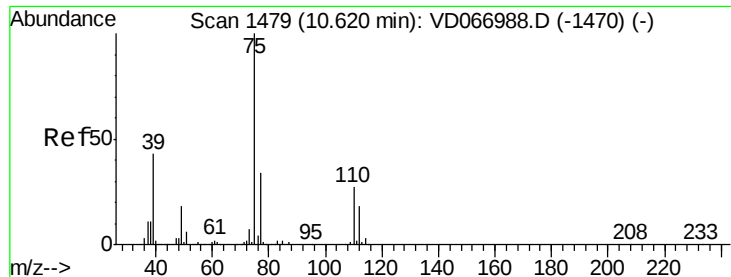
Tgt Ion: 92 Resp: 453898

Ion Ratio Lower Upper

92 100

91 169.0 135.1 202.7





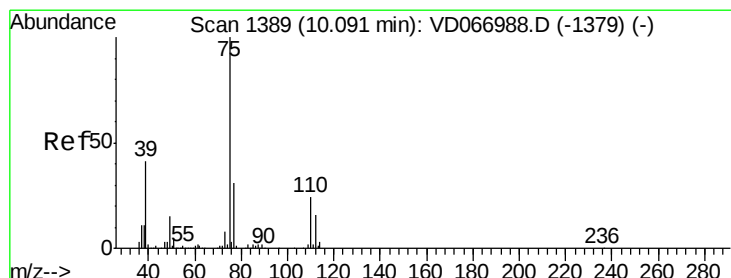
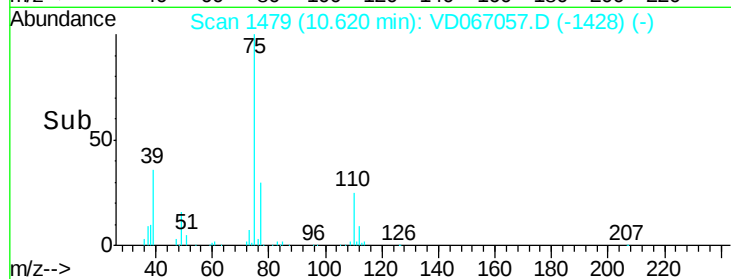
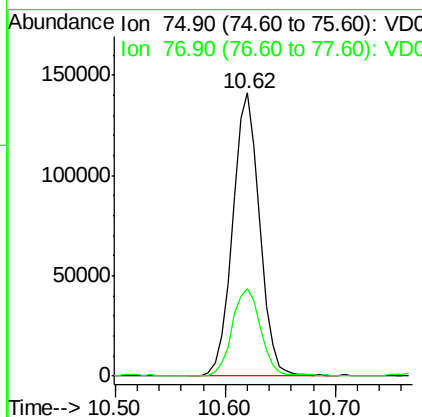
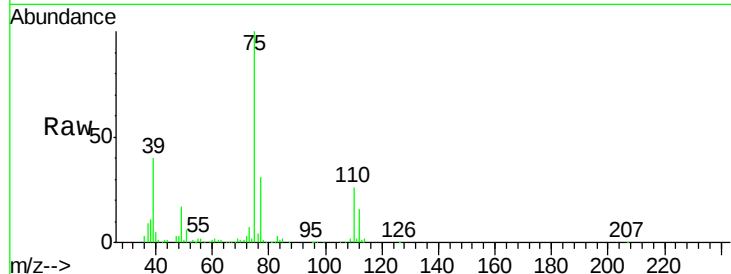
#53
 t-1,3-Dichloropropene
 Concen: 49.242 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	27.1	40.7

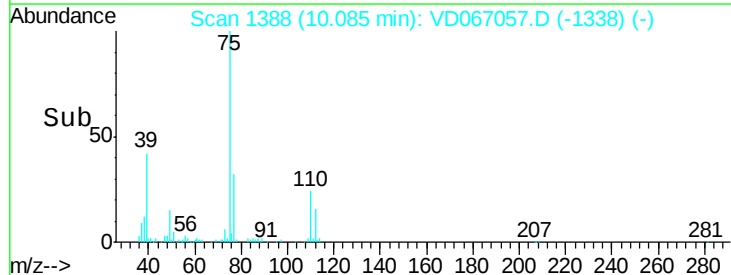
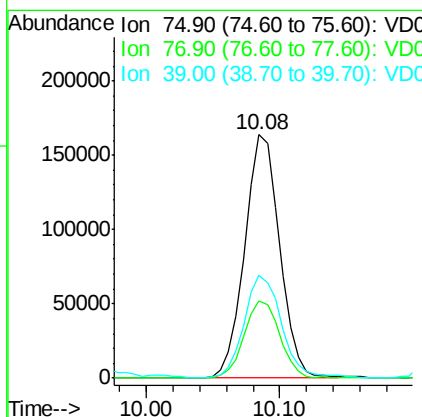
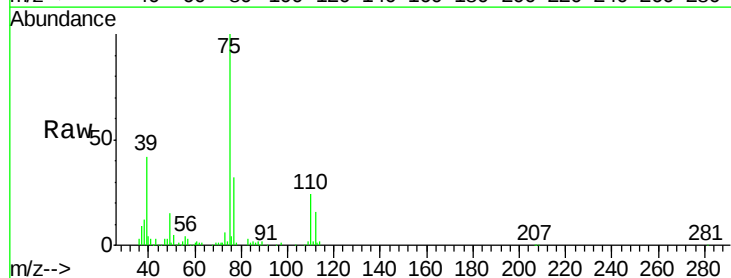
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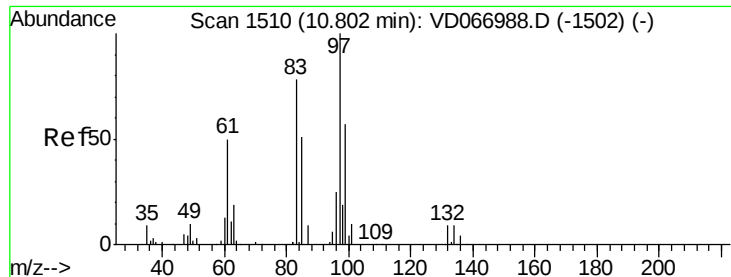
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#54
 cis-1,3-Dichloropropene
 Concen: 49.282 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.6	37.0
39	41.9	33.0	49.4





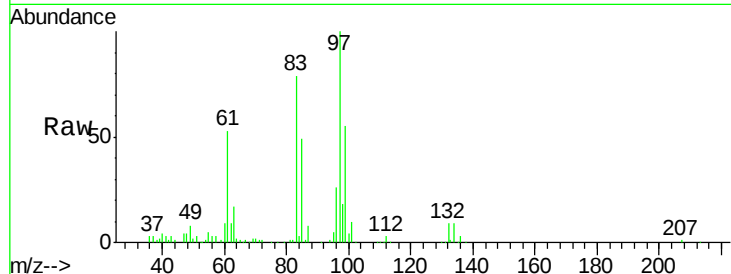
#55
 1,1,2-Trichloroethane
 Concen: 68.645 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Instrument :
 MSVOA_D
 ClientSampled :
 B-18(0-1)MSD

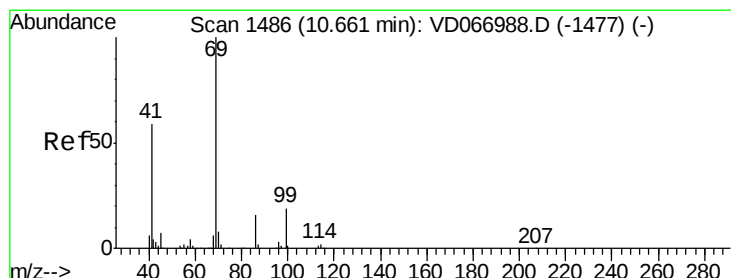
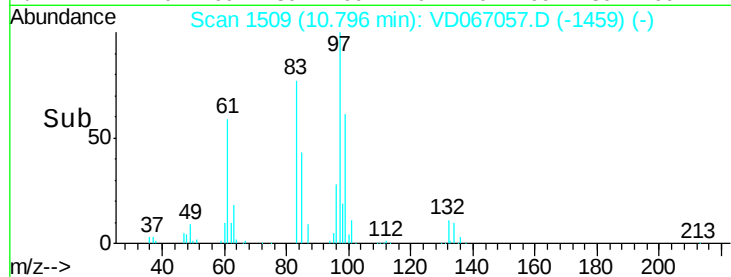
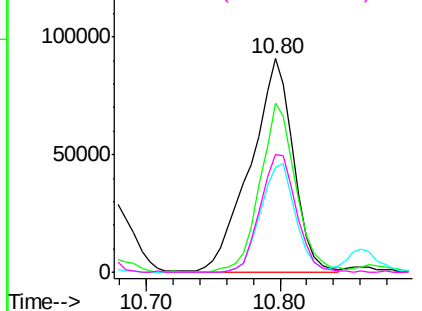
Tot Ion	Ratio	Resp	Lower	Upper
97	100	202030		
83	79.7	62.4	93.6	
85	49.8	41.0	61.4	
99	55.3	45.9	68.9	

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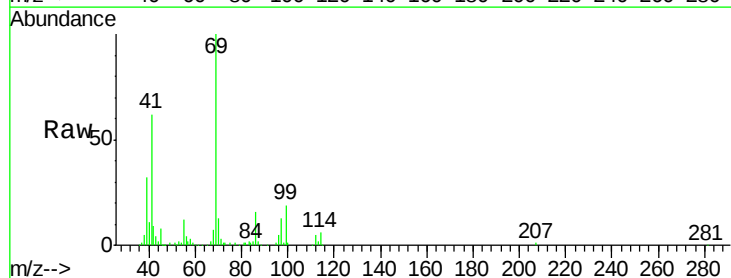


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

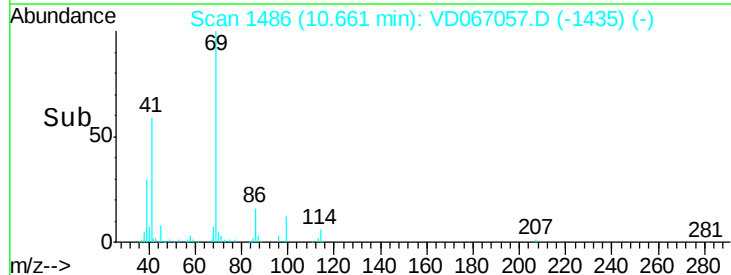
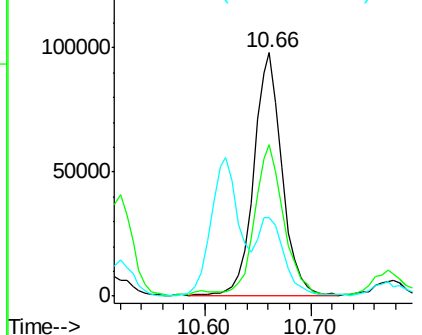


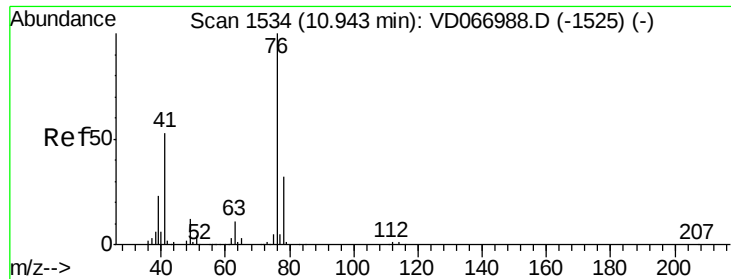
#56
 Ethyl methacrylate
 Concen: 59.355 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	180355		
41	63.2	46.4	69.6	
39	30.2	23.8	35.6	



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





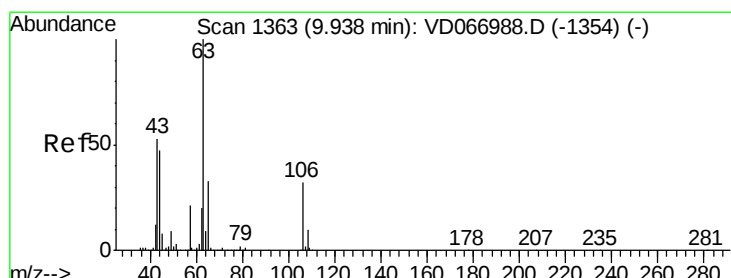
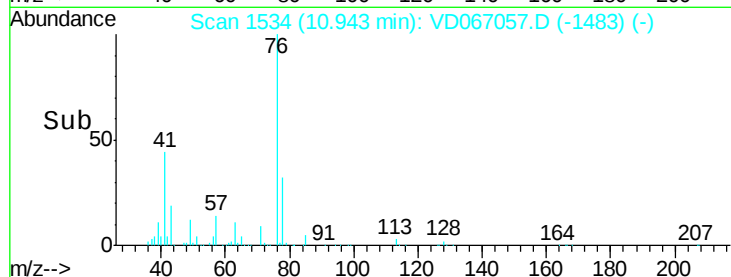
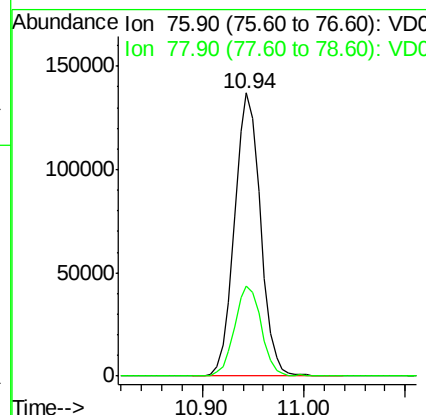
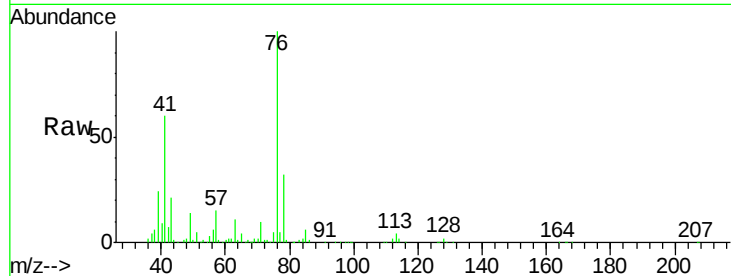
#57
 1,3-Dichloropropane
 Concen: 50.978 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

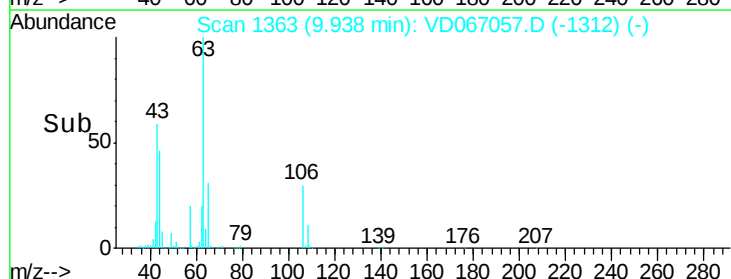
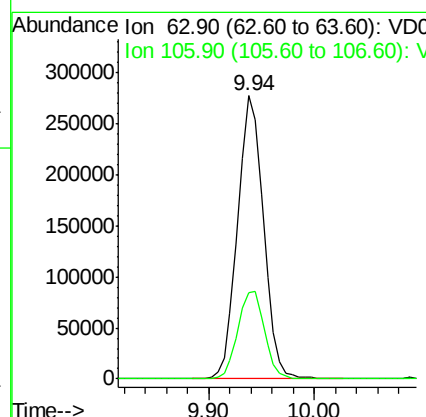
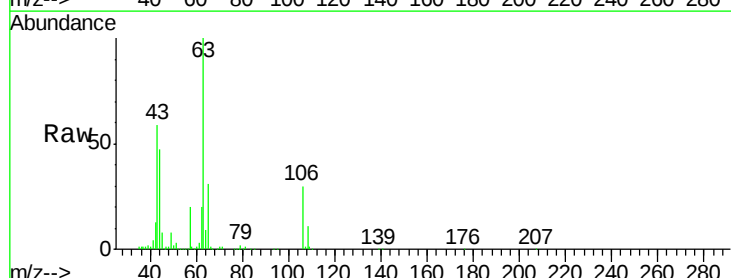
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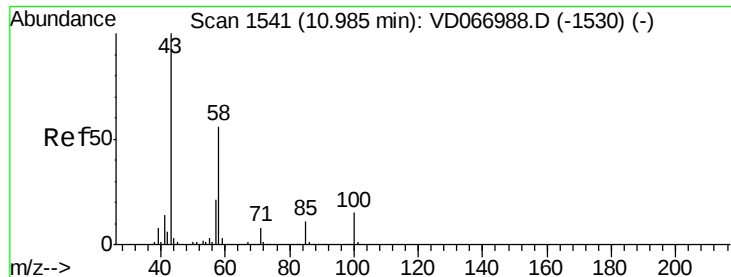
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 278.427 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.9	25.3	37.9





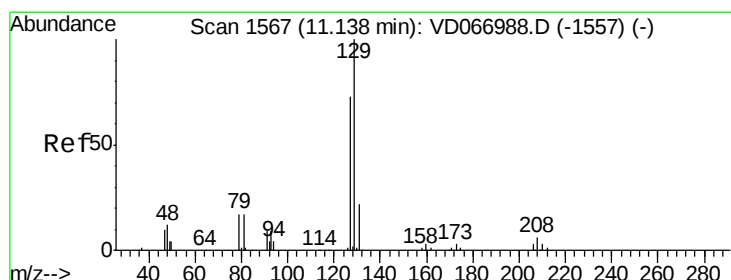
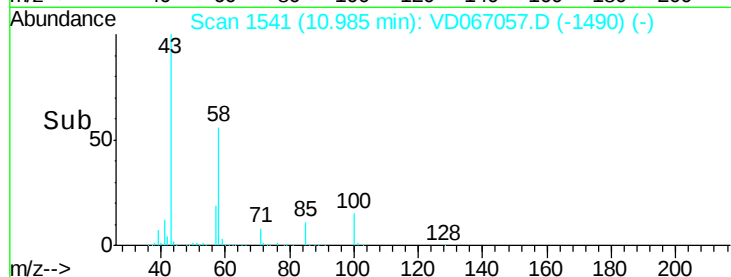
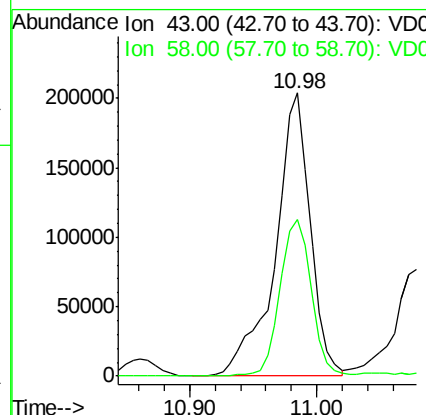
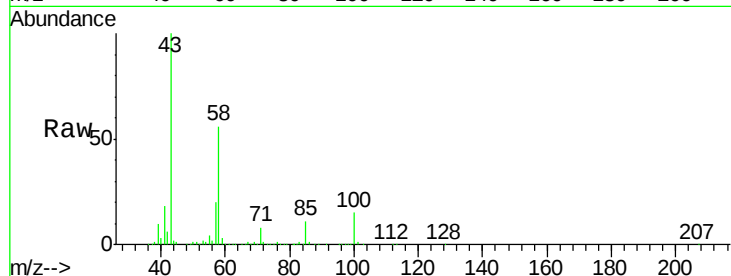
#59
2-Hexanone
Concen: 323.114 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion: 43 Resp: 386896
Ion Ratio Lower Upper
43 100
58 50.0 28.3 84.9

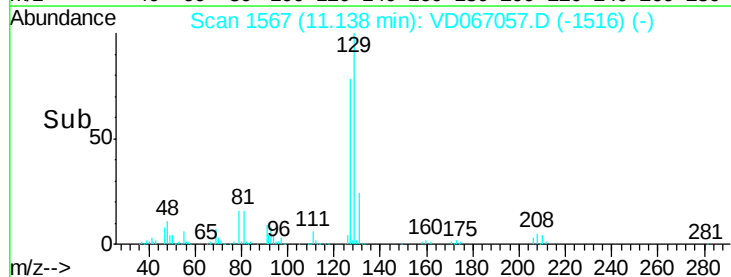
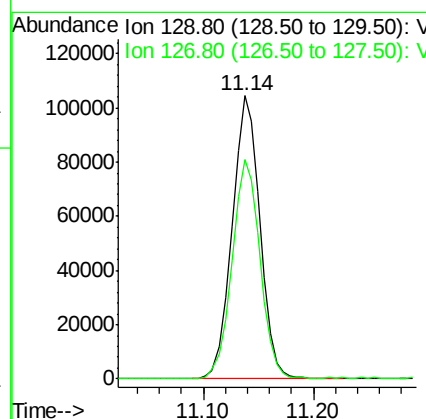
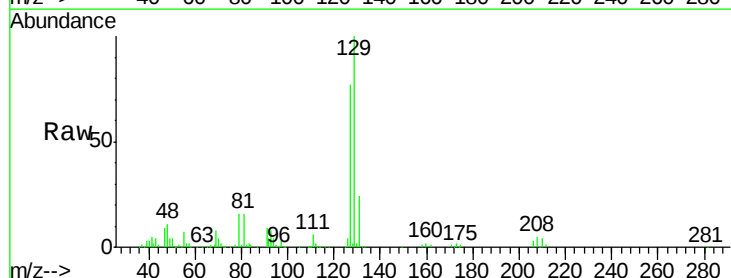
Manual Integrations
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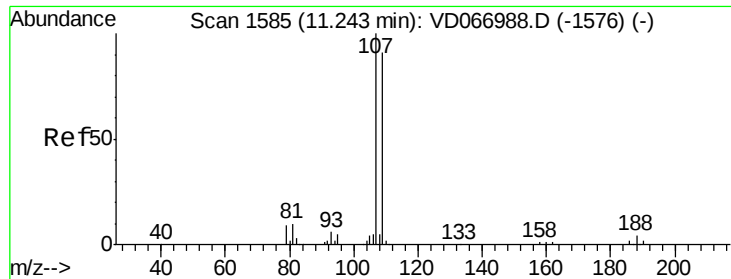
MMDadoda
10/5/2020 5:34:39 PM



#60
Dibromochloromethane
Concen: 46.952 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion: 129 Resp: 184177
Ion Ratio Lower Upper
129 100
127 78.0 37.4 112.1





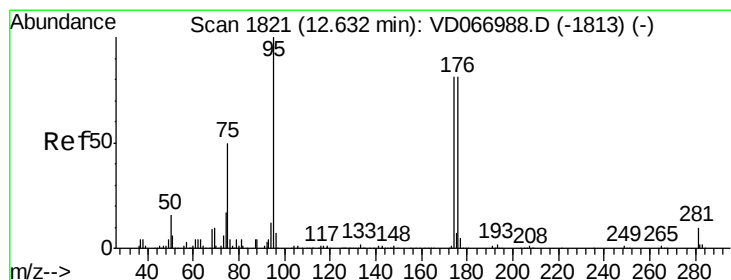
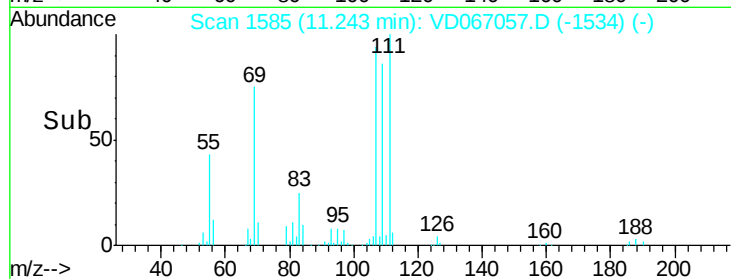
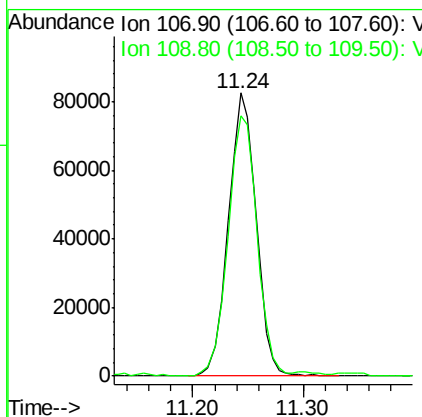
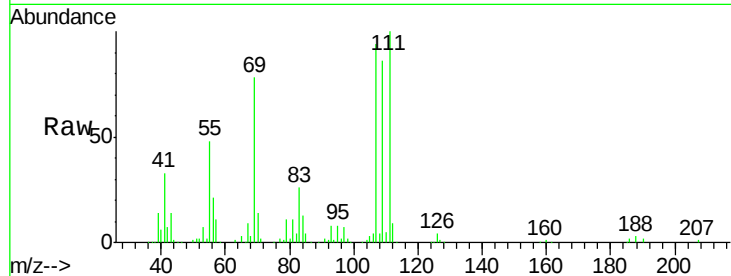
#61
 1,2-Dibromoethane
 Concen: 51.602 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	145906		
109	96.4	74.0	111.0	

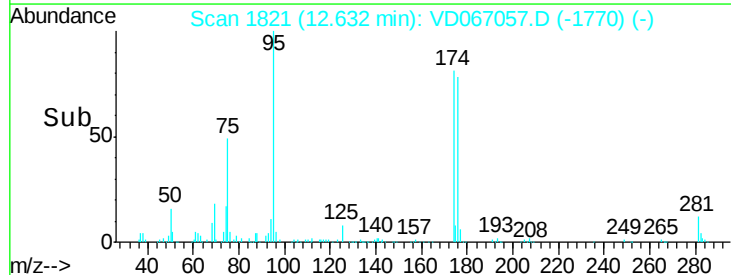
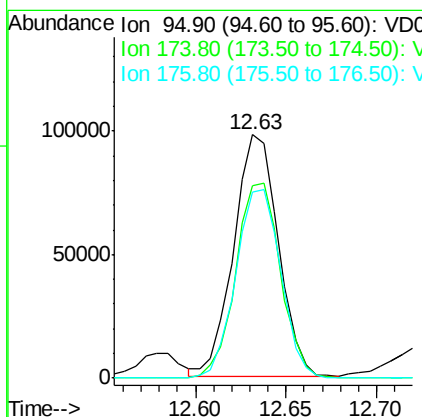
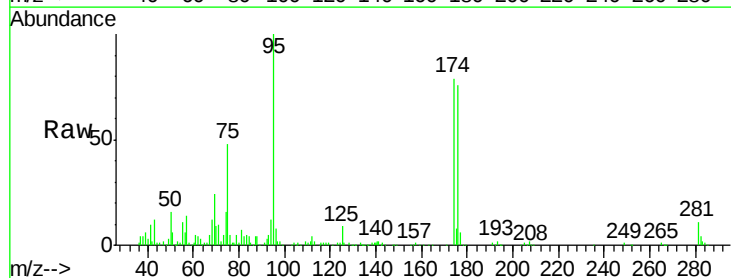
Manual Integrations
 APPROVED

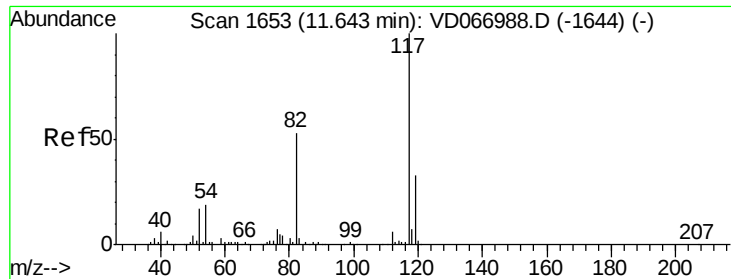
MMDadoda
 10/5/2020 5:34:39 PM



#62
 4-Bromofluorobenzene
 Concen: 34.104 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	167225		
174	81.0	0.0	167.6	
176	78.7	0.0	162.4	





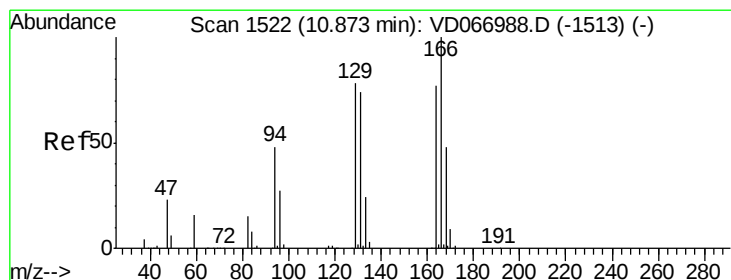
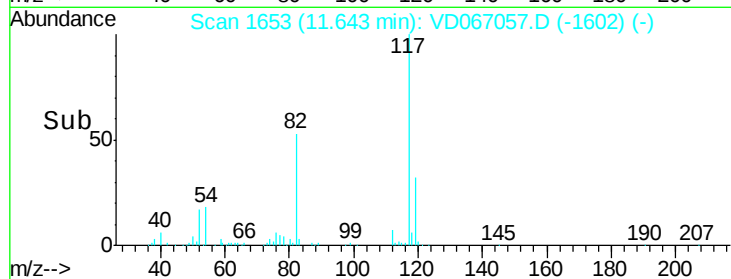
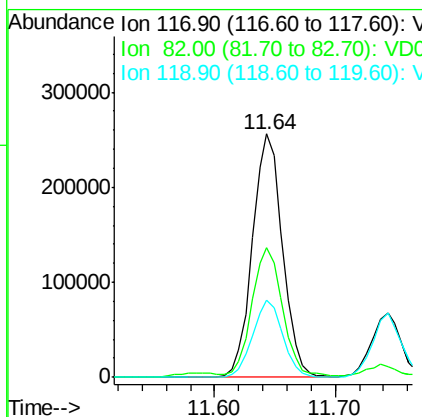
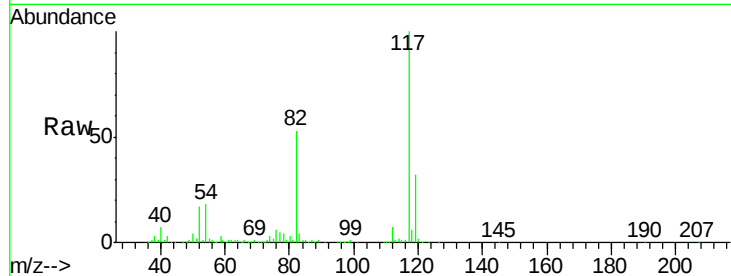
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.6	63.8
119	31.9	26.3	39.5

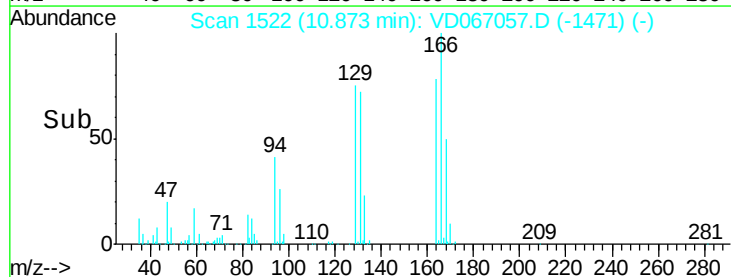
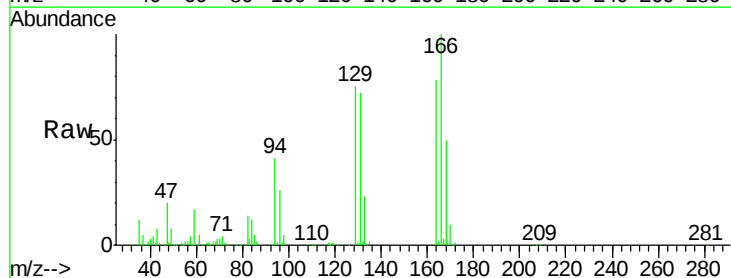
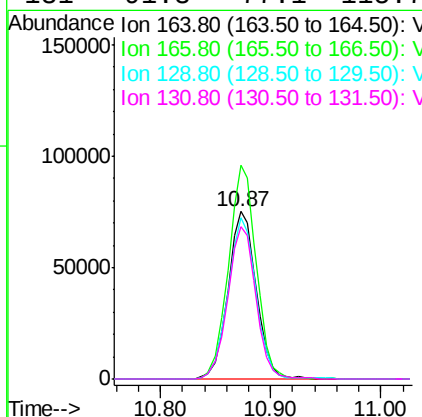
Manual Integrations
APPROVED

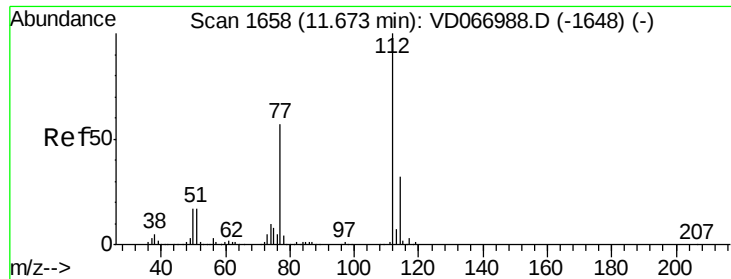
MMDadoda
10/5/2020 5:34:39 PM



#64
Tetrachloroethene
Concen: 41.885 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	104.4	156.6
129	96.0	81.3	121.9
131	91.3	77.1	115.7





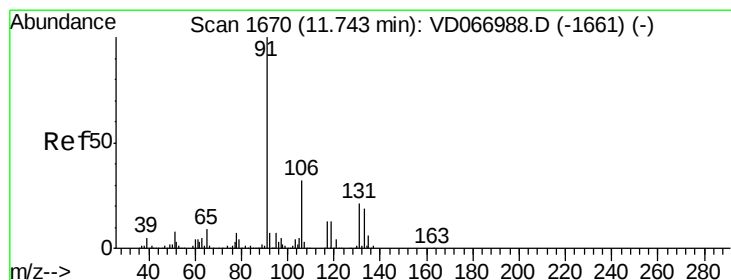
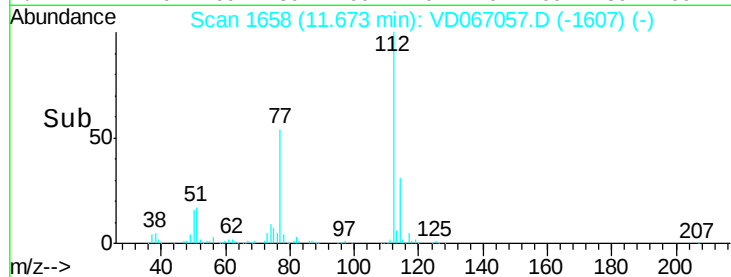
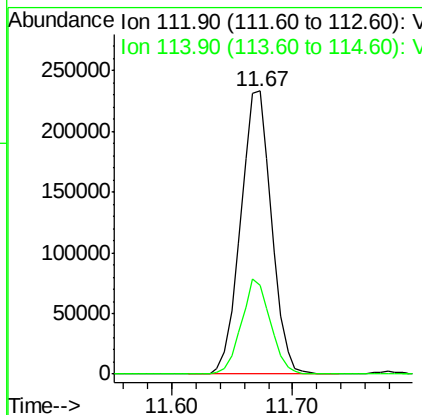
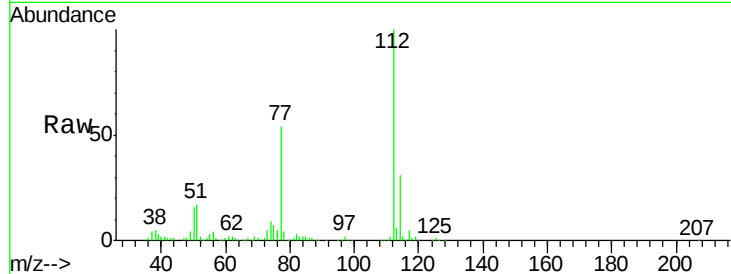
#65
Chlorobenzene
Concen: 47.445 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.4	38.0

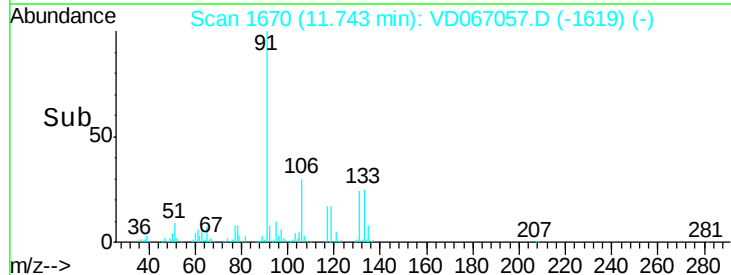
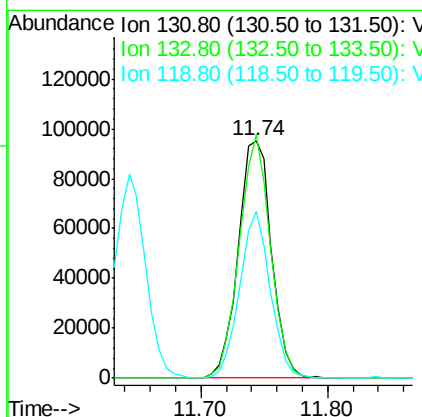
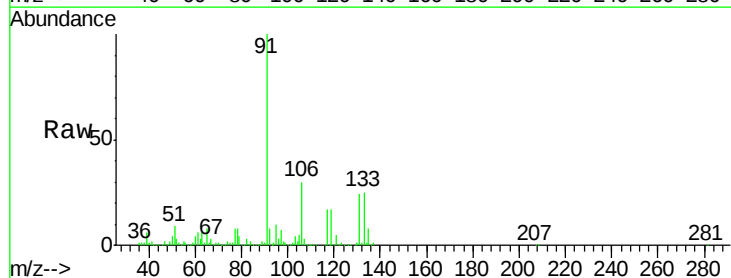
Manual Integrations
APPROVED

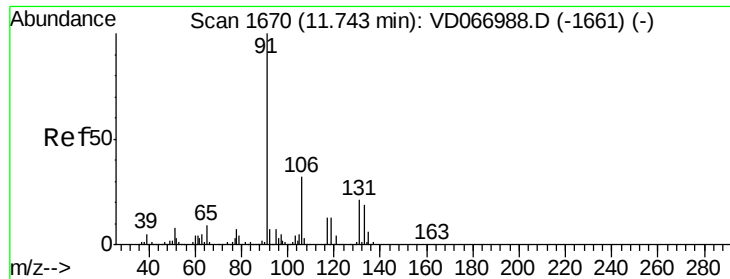
MMDadoda
10/5/2020 5:34:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.888 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.8	143.3
119	64.8	32.3	96.8





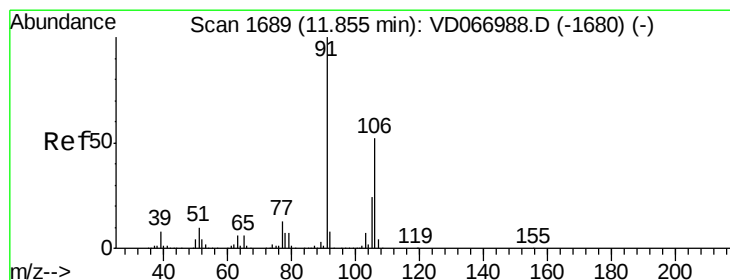
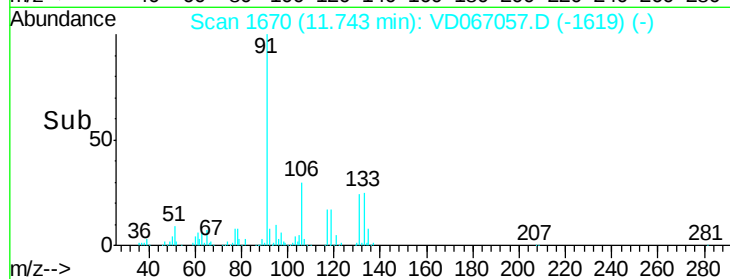
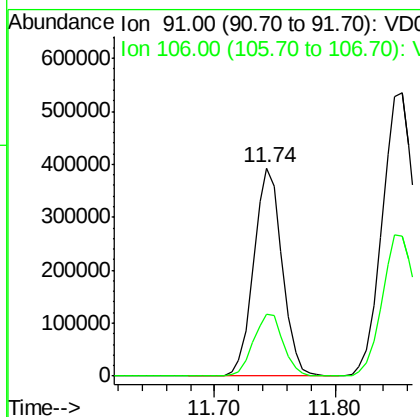
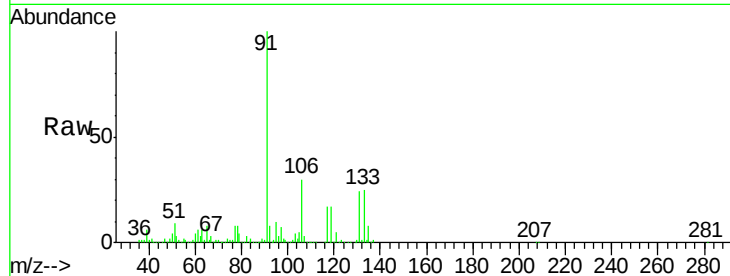
#67
Ethyl Benzene
Concen: 42.626 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion: 91 Resp: 641495
Ion Ratio Lower Upper
91 100
106 30.0 25.4 38.2

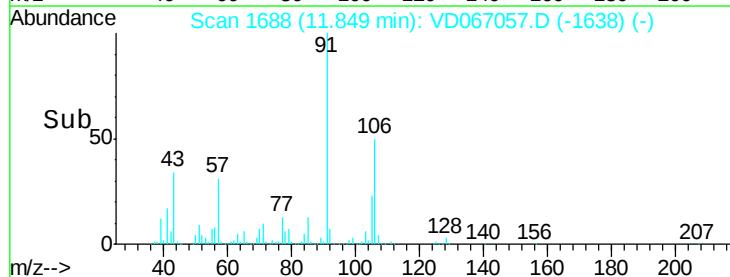
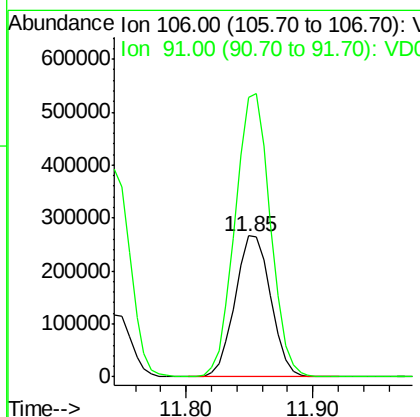
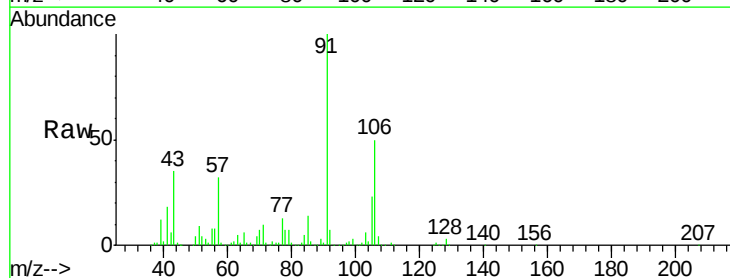
Manual Integrations
APPROVED

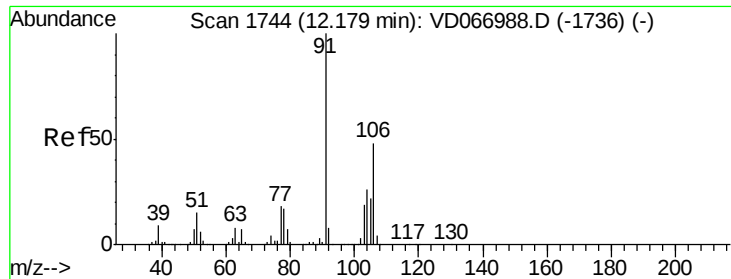
MMDadoda
10/5/2020 5:34:39 PM



#68
m/p-Xylenes
Concen: 88.518 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion: 106 Resp: 519155
Ion Ratio Lower Upper
106 100
91 198.2 158.4 237.6





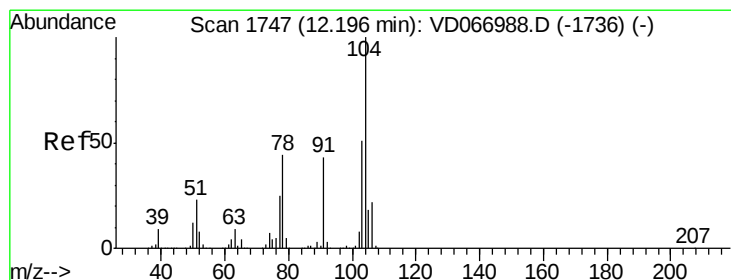
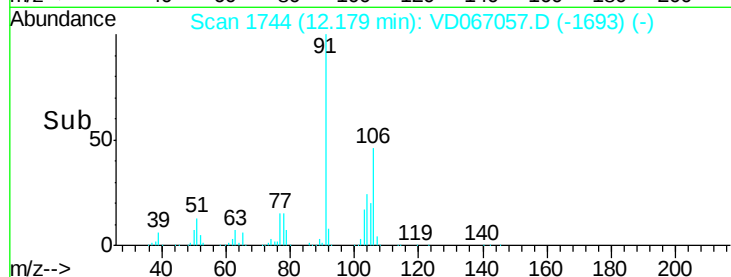
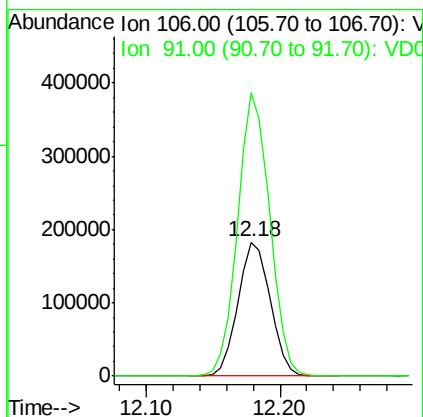
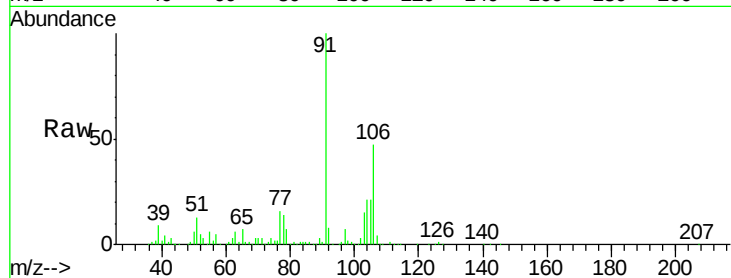
#69
o-Xylene
Concen: 58.366 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion:106 Resp: 306114
Ion Ratio Lower Upper
106 100
91 210.7 102.4 307.2

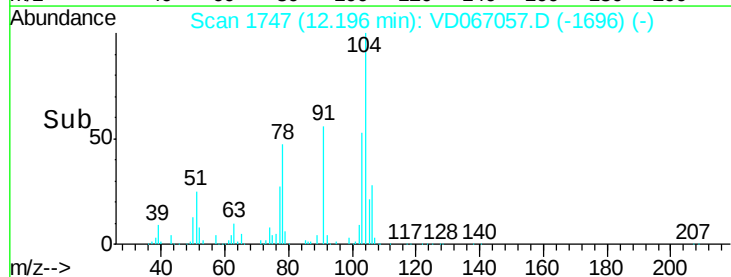
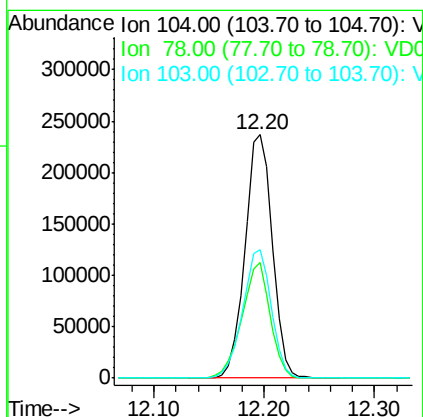
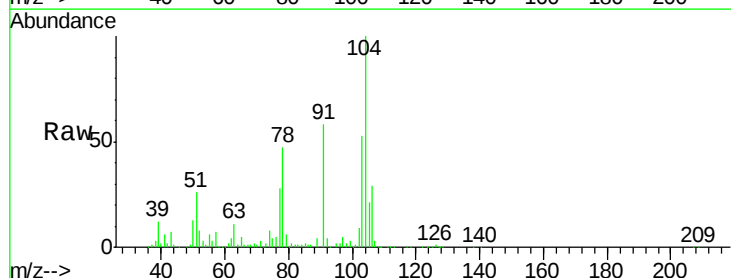
Manual Integrations
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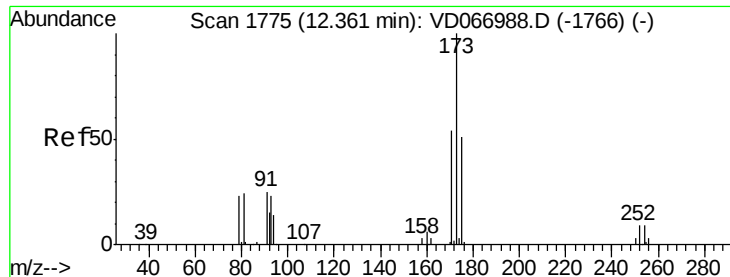
MMDadoda
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#70
Styrene
Concen: 45.787 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion:104 Resp: 412362
Ion Ratio Lower Upper
104 100
78 49.2 38.6 58.0
103 55.3 43.4 65.0





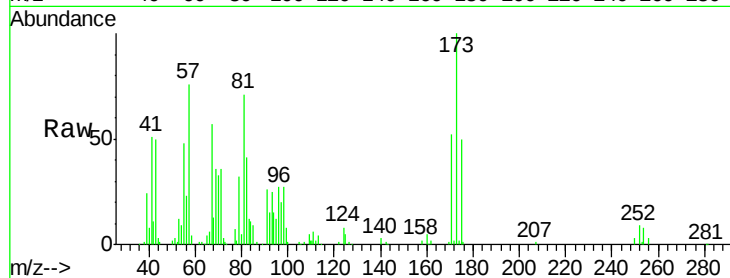
#71
Bromoform
Concen: 52.785 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

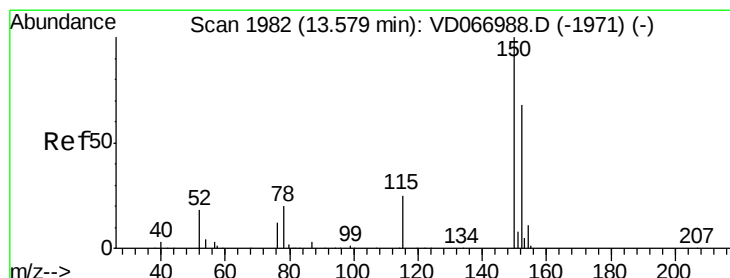
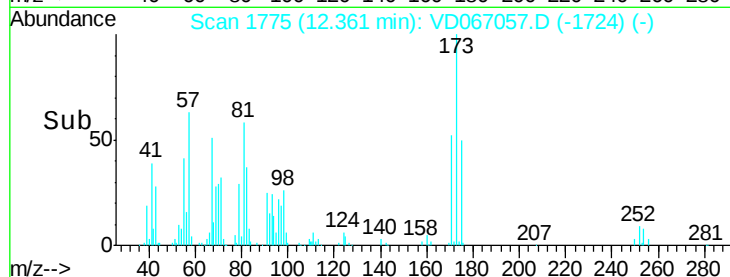
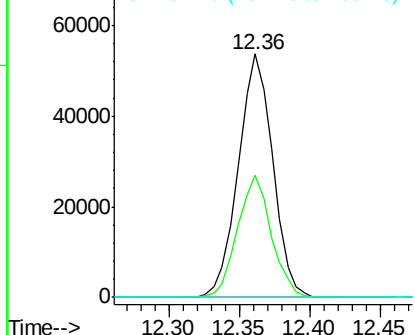
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.9	74.7
254	0.0	0.2	0.4

Manual Integrations
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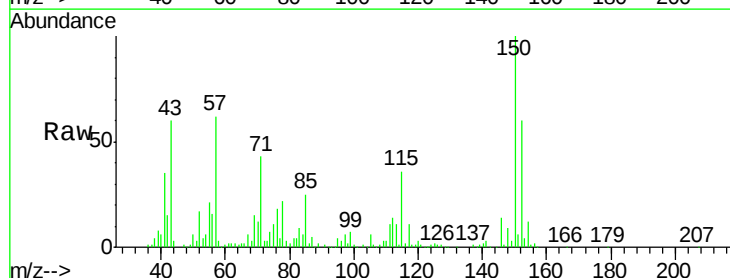


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

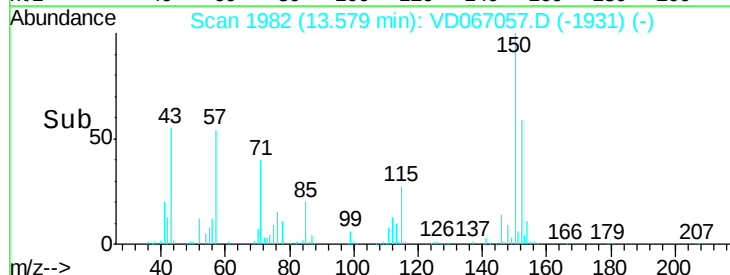
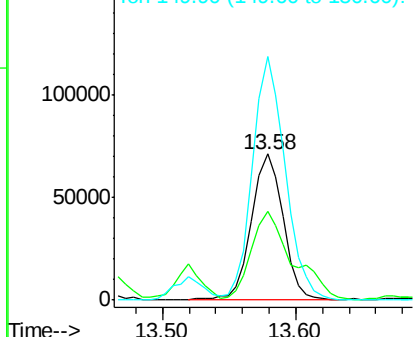


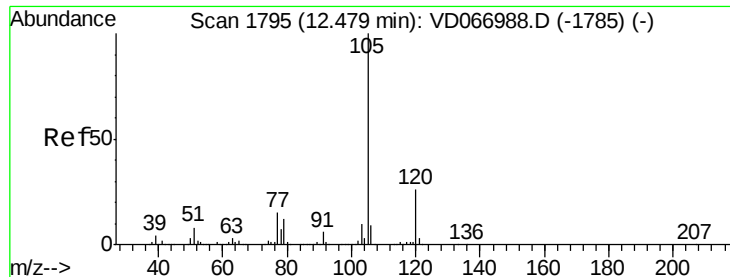
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.4	29.6	88.8
150	171.1	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





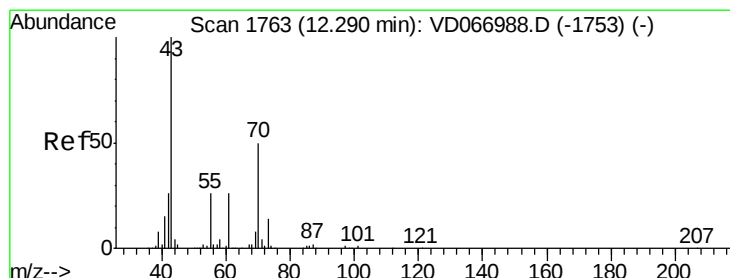
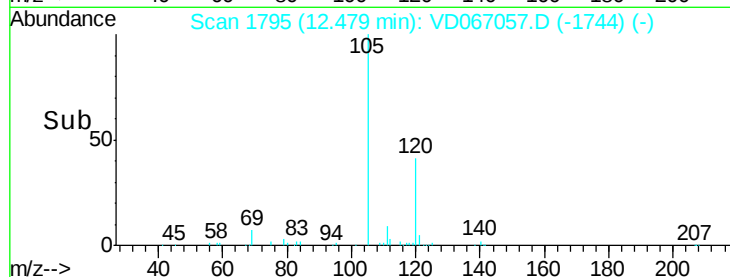
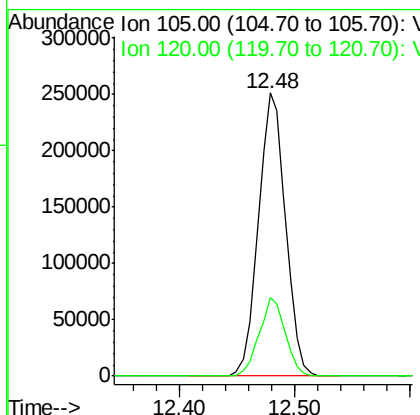
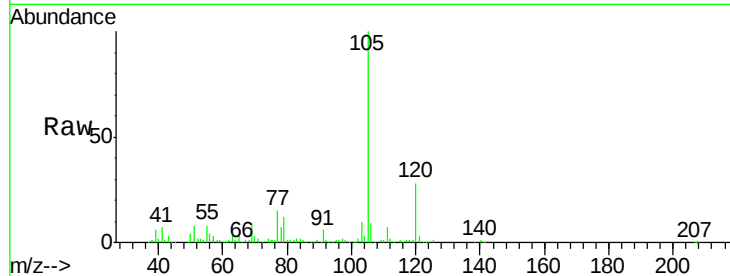
#73
Isopropylbenzene
Concen: 51.513 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.9

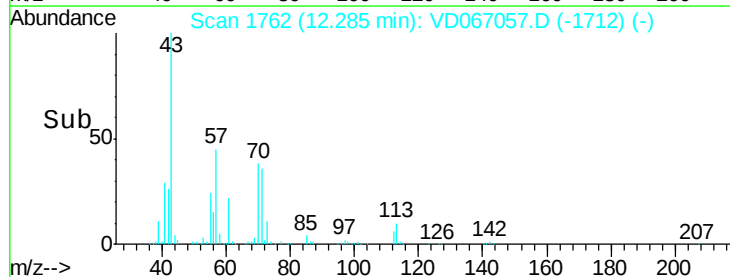
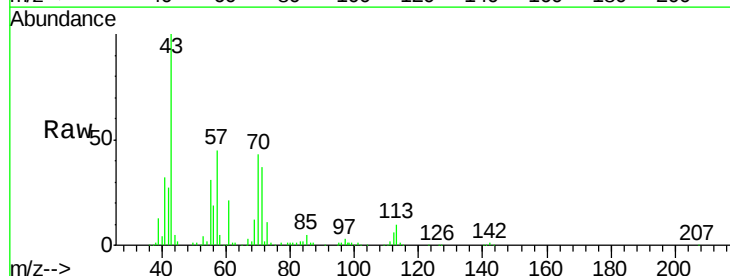
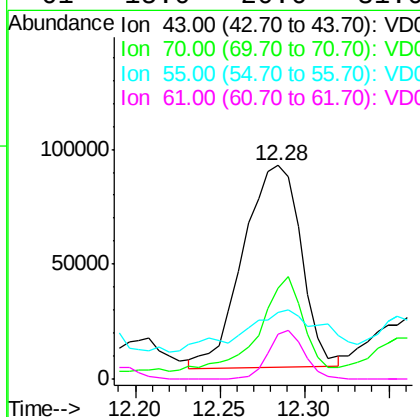
Manual Integrations
APPROVED

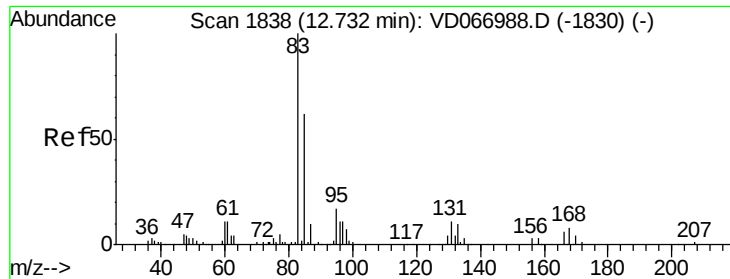
MMDadoda
10/5/2020 5:34:39 PM



#74
N-ethyl acetate
Concen: 145.963 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.6	38.2	57.2#
55	22.1	22.4	33.6#
61	15.0	20.6	31.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 91.853 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

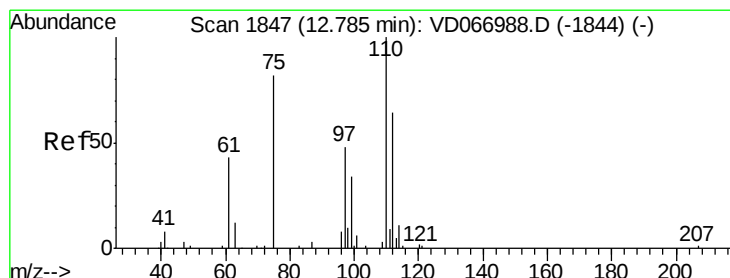
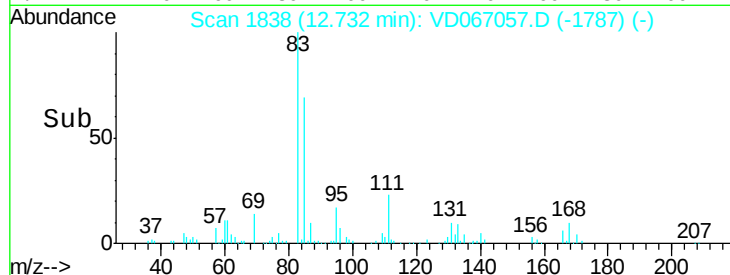
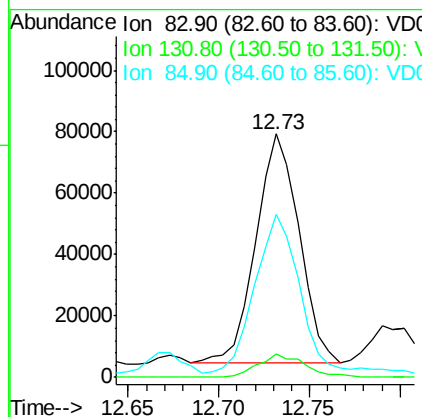
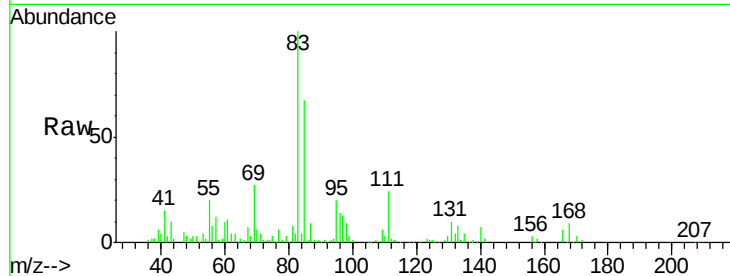
ClientSampleId :

B-18(0-1)MSD

Tot Ion:	83	Resp:	123455
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.0
85	70.9	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 84.709 ug/l m

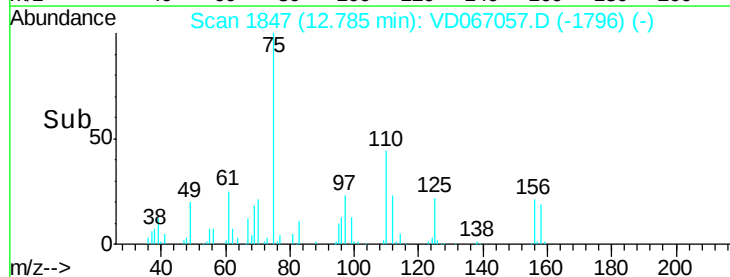
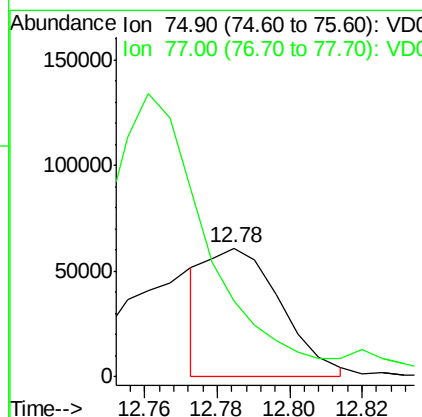
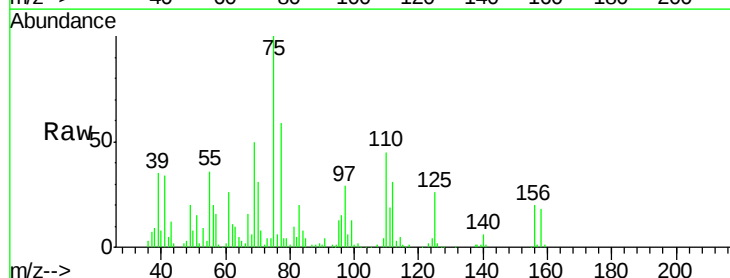
RT: 12.78 min Scan# 1847

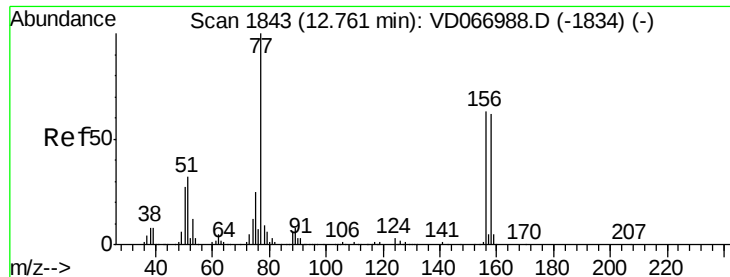
Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Tgt Ion:	75	Resp:	86684
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 73.652 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

Tot Ion:156 Resp: 141869

Ion Ratio Lower Upper

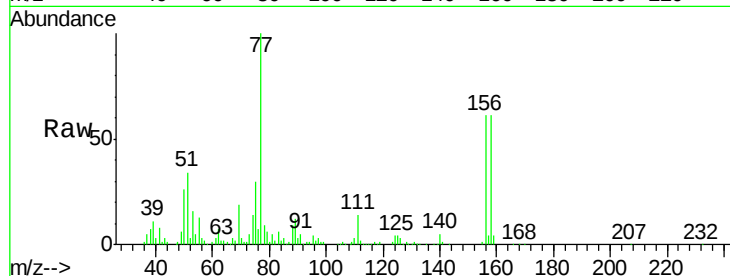
156 100

77 184.8 86.3 258.8

158 96.2 49.5 148.3

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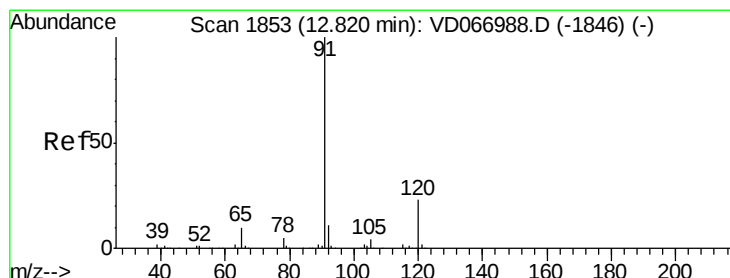
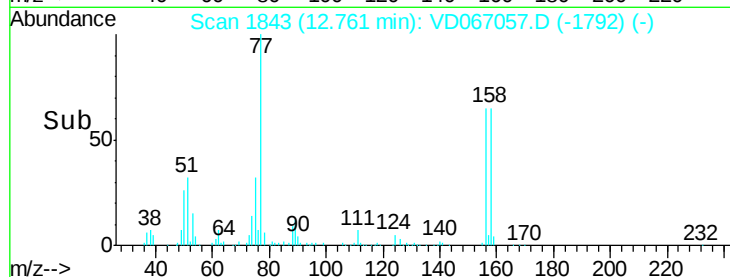
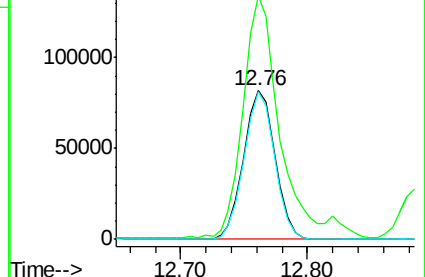
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 41.706 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD067057.D

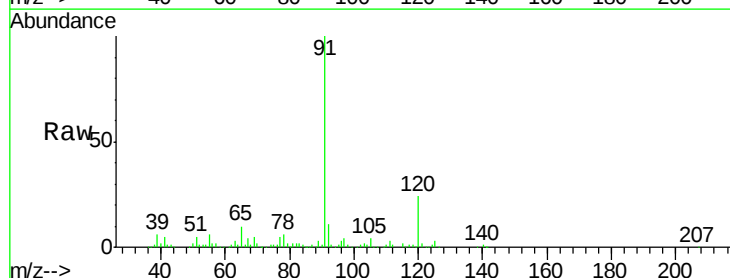
Acq: 03 Oct 2020 02:26

Tgt Ion: 91 Resp: 393193

Ion Ratio Lower Upper

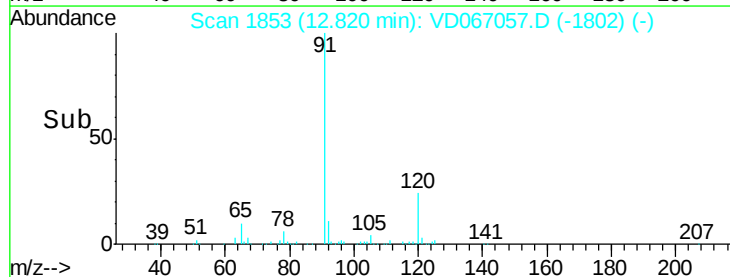
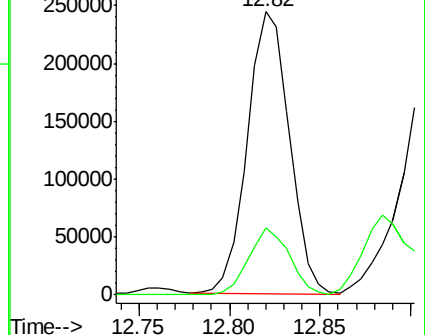
91 100

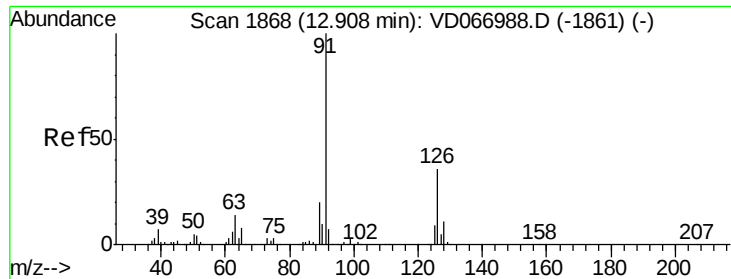
120 23.1 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





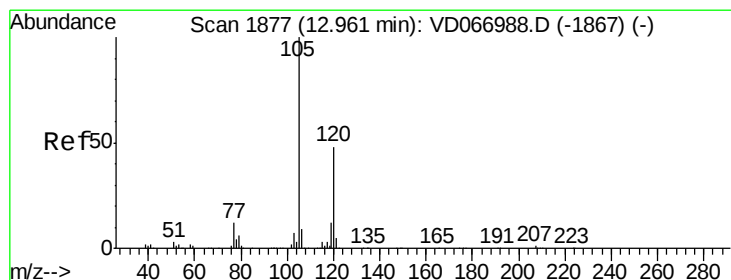
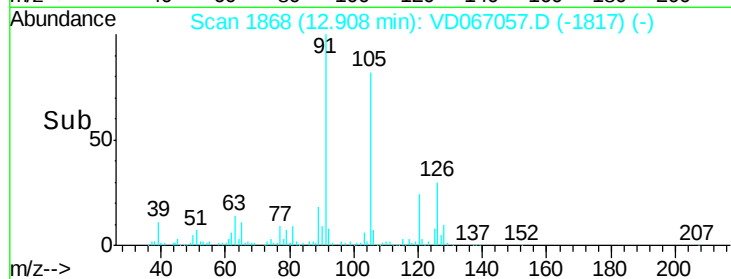
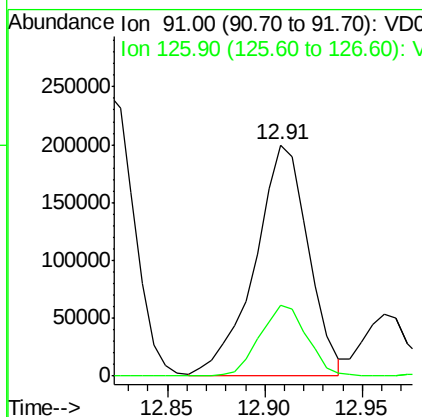
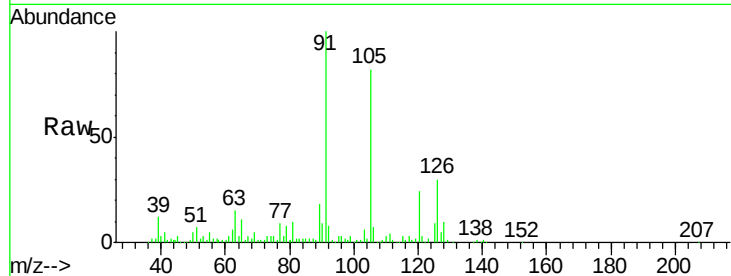
#79
 2-Chlorotoluene
 Concen: 69.694 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

Tot Ion: 91 Resp: 375930
 Ion Ratio Lower Upper
 91 100
 126 27.1 17.5 52.6

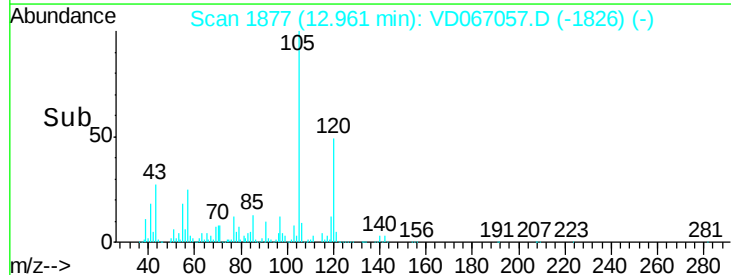
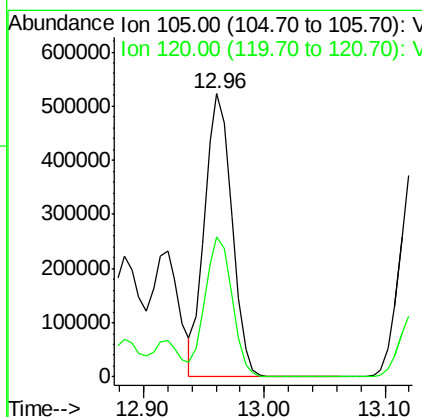
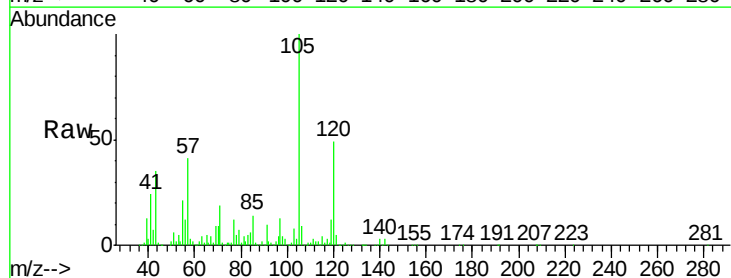
Manual Integrations
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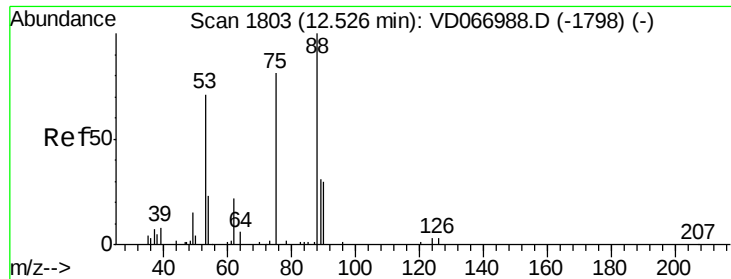
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 119.978 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Tgt Ion: 105 Resp: 808634
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 98.410 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

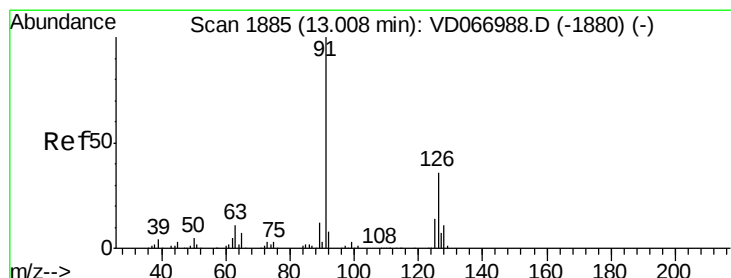
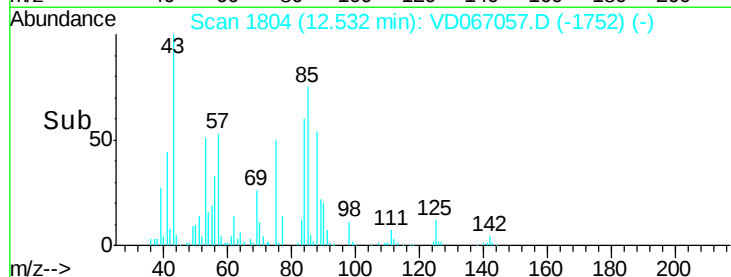
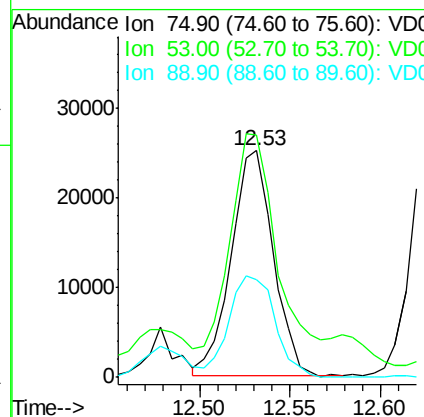
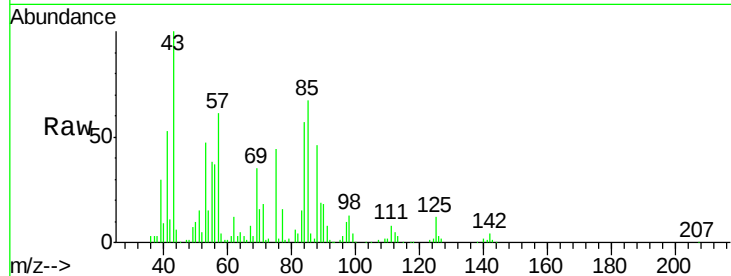
ClientSampleId :

B-18(0-1)MSD

Tot Ion:	75	Resp:	40393
Ion	Ratio	Lower	Upper
75	100		
53	97.2	73.8	110.6
89	49.3	38.9	58.3

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#82

4-Chlorotoluene

Concen: 53.417 ug/l

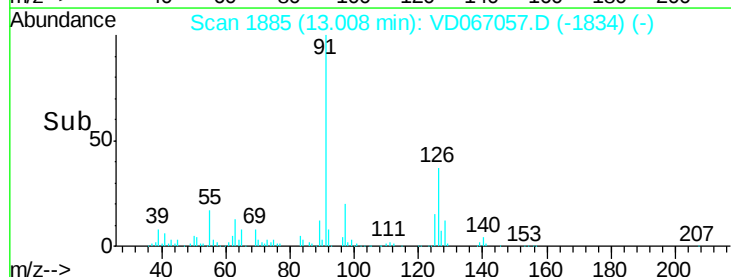
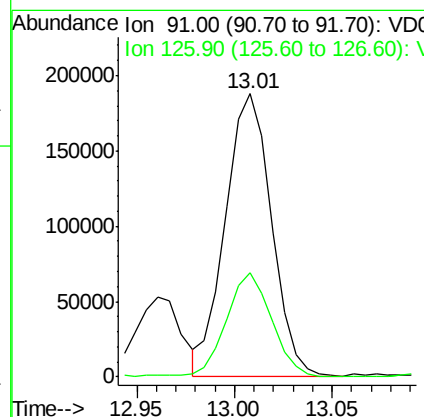
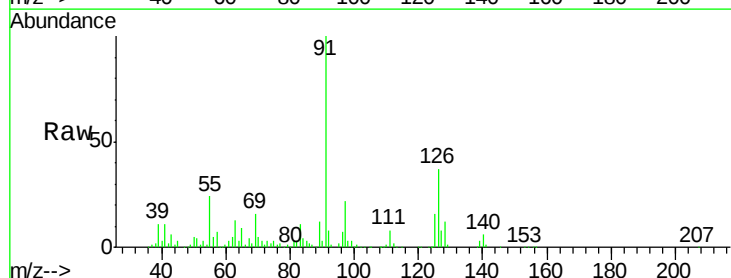
RT: 13.01 min Scan# 1885

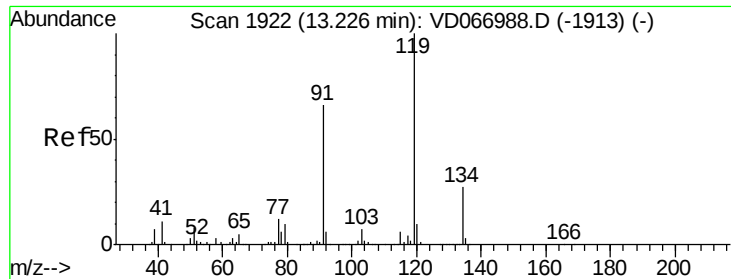
Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Tgt Ion:	91	Resp:	306559
Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.5	52.5





#83

tert-Butylbenzene

Concen: 38.392 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

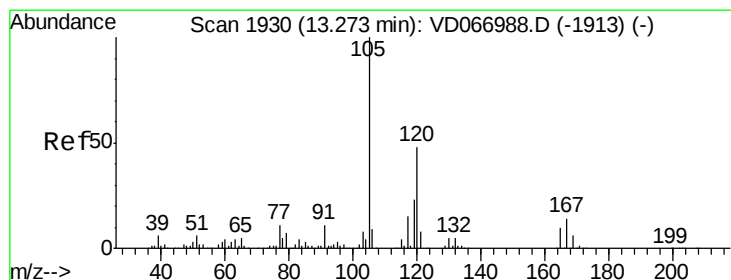
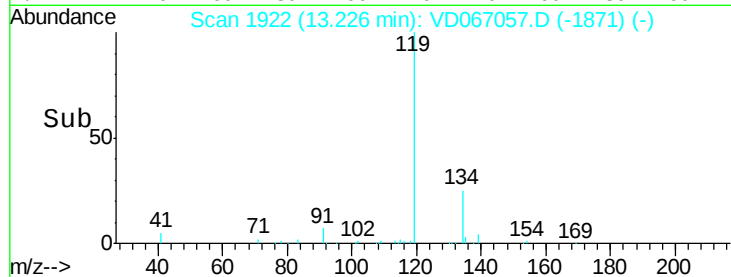
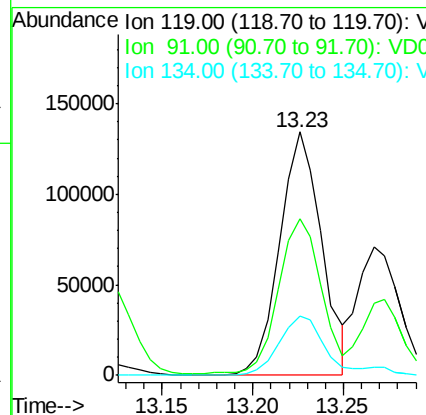
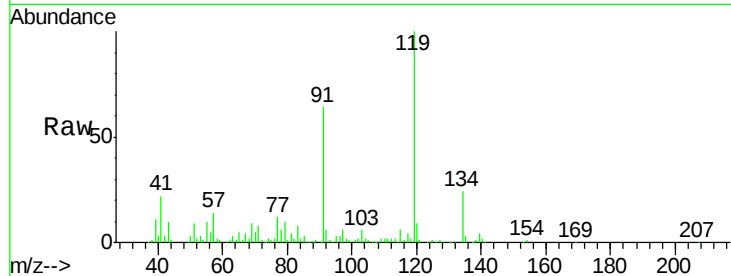
ClientSampleId :

B-18(0-1)MSD

Tot Ion:	119	Resp:	217896
Ion Ratio	Lower	Upper	
119	100		
91	64.6	32.8	98.3
134	28.1	13.9	41.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 91.925 ug/l

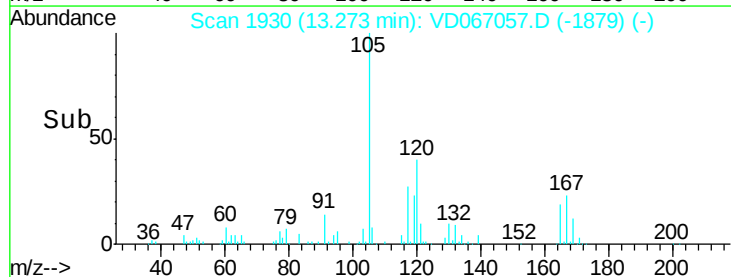
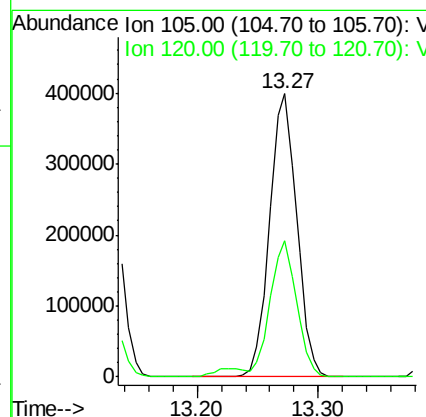
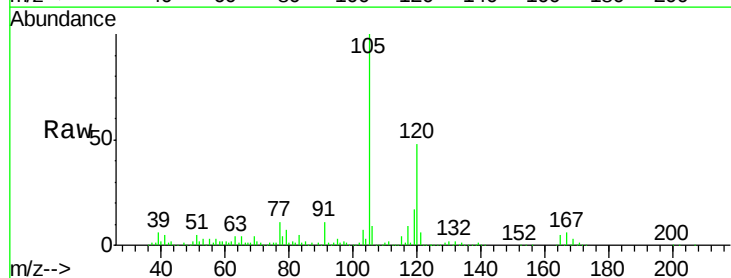
RT: 13.27 min Scan# 1930

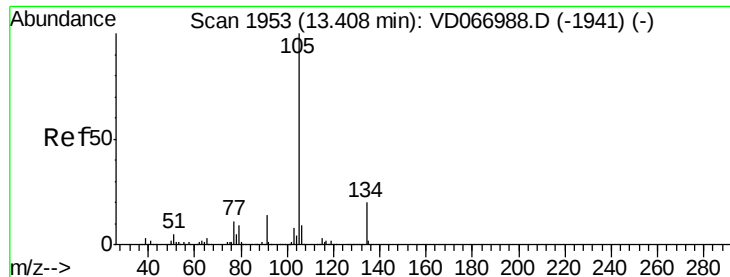
Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Tgt Ion:	105	Resp:	618301
Ion Ratio	Lower	Upper	
105	100		
120	46.8	23.3	69.8





#85

sec-Butylbenzene

Concen: 33.666 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

ClientSampleId :

B-18(0-1)MSD

Tot Ion:105 Resp: 269078

Ion Ratio Lower Upper

105 100

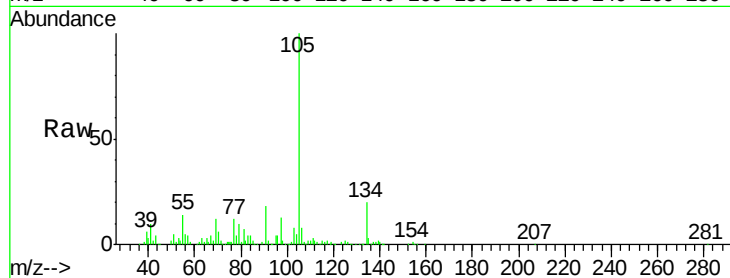
134 22.1 10.3 30.8

Manual Integrations

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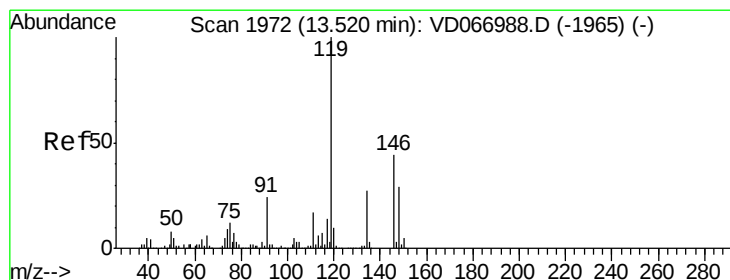
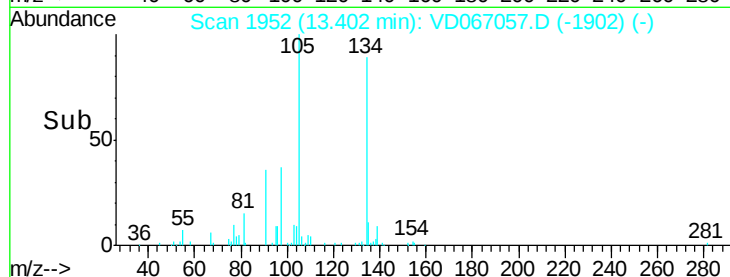
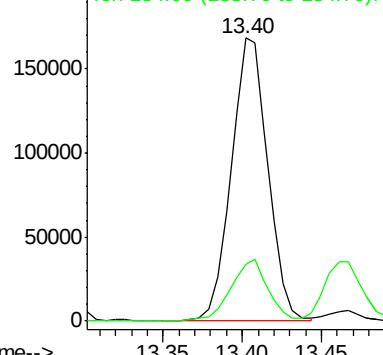
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 42.023 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

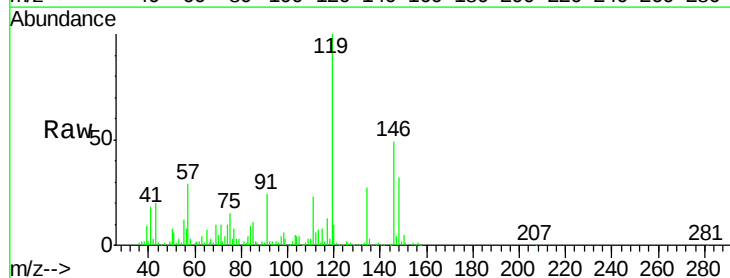
Tgt Ion:119 Resp: 311398

Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.1

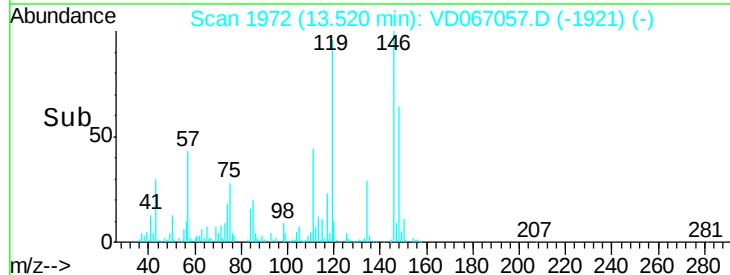
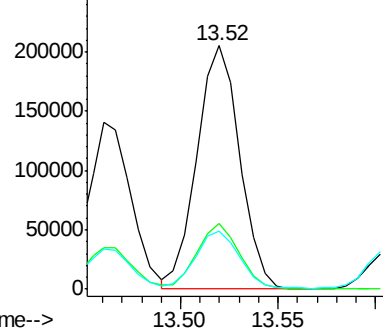
91 24.1 11.7 35.1

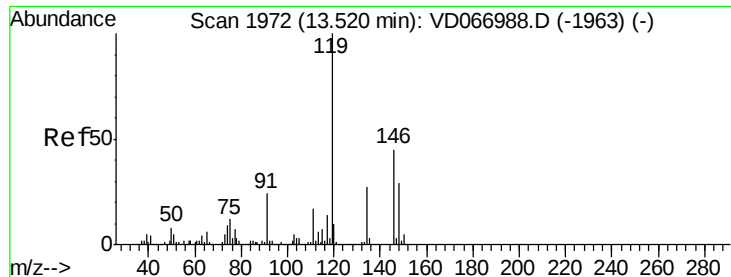


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 44.573 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Instrument :

MSVOA_D

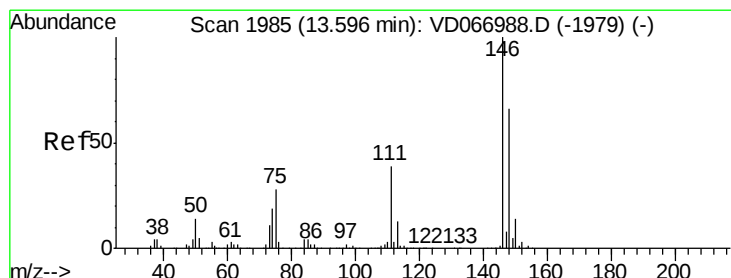
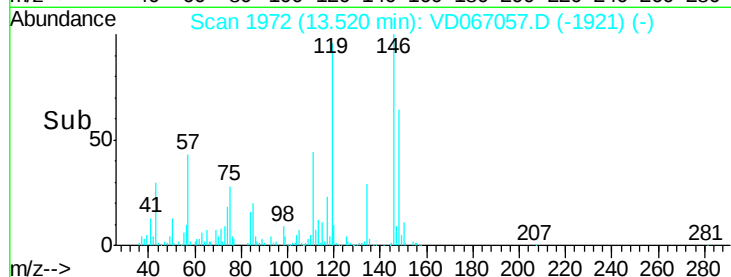
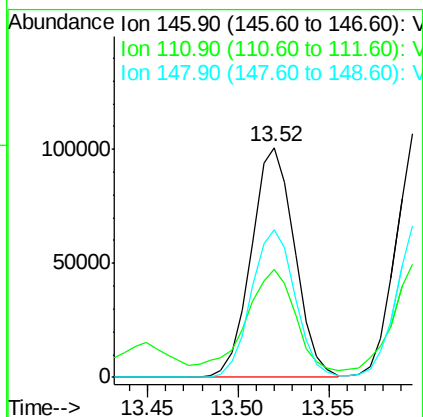
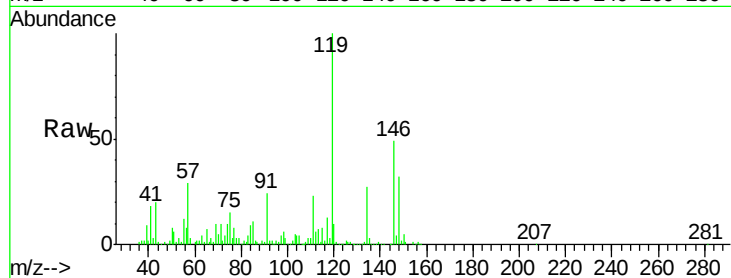
ClientSampleId :

B-18(0-1)MSD

Tot Ion:	146	Resp:	167236
Ion Ratio	Lower	Upper	
146	100		
111	49.0	20.0	60.0
148	64.6	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.955 ug/l

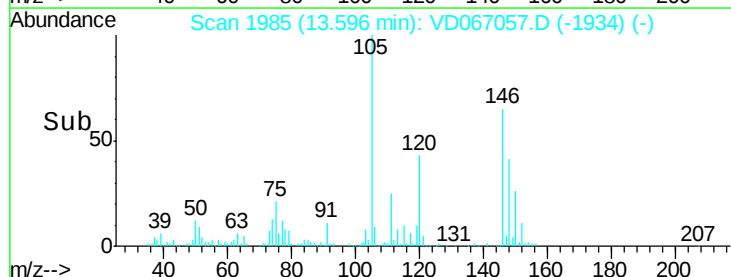
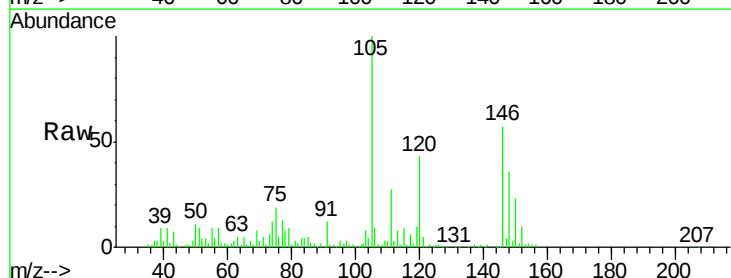
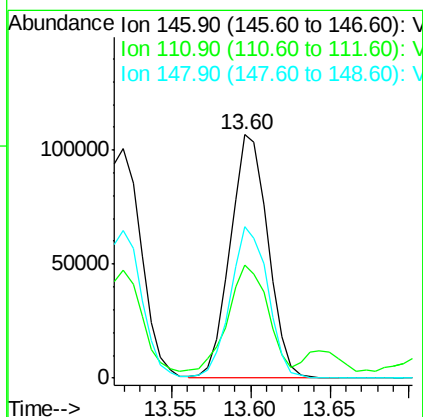
RT: 13.60 min Scan# 1985

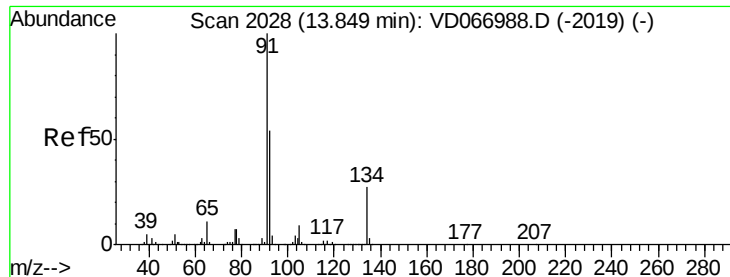
Delta R.T. -0.00 min

Lab File: VD067057.D

Acq: 03 Oct 2020 02:26

Tgt Ion:	146	Resp:	176153
Ion Ratio	Lower	Upper	
146	100		
111	45.4	19.6	58.7
148	61.9	32.6	97.7





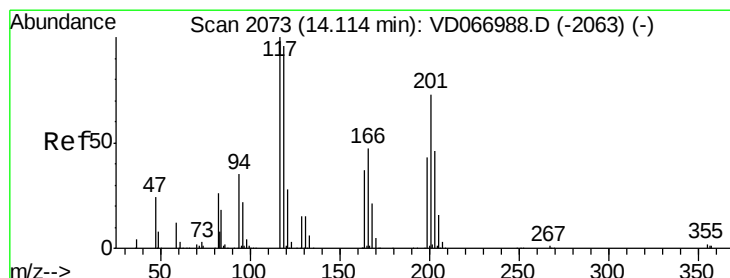
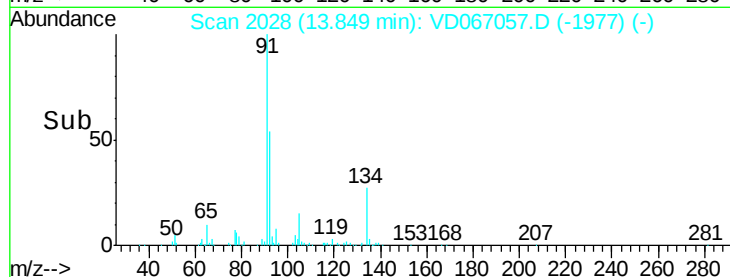
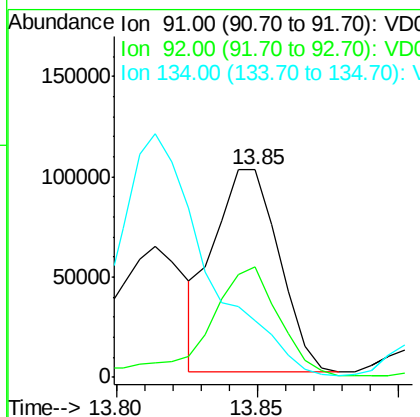
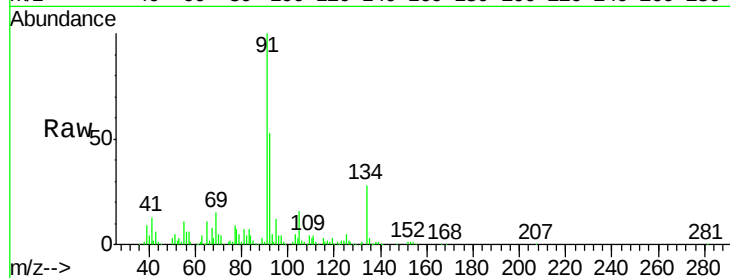
#89
n-Butylbenzene
Concen: 23.853 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.2	27.1	81.2
134	0.0	13.6	40.8

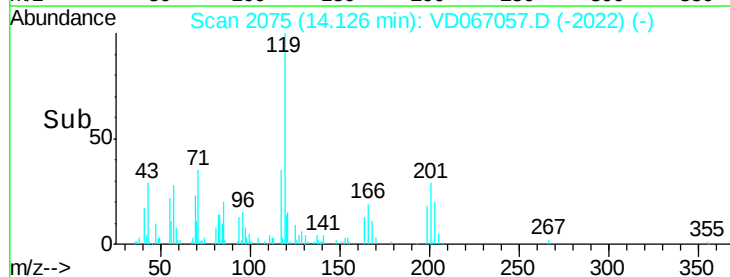
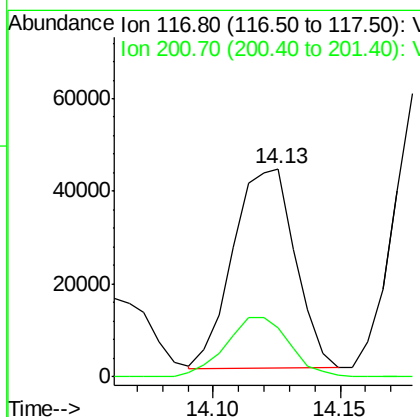
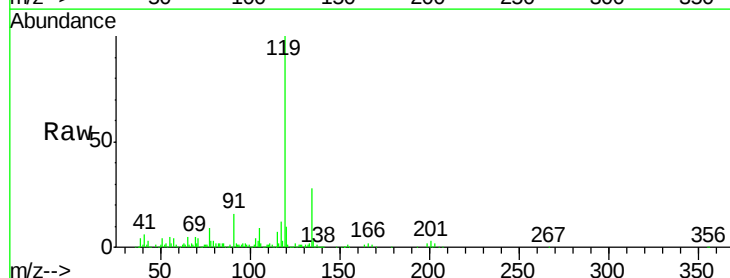
Manual Integrations
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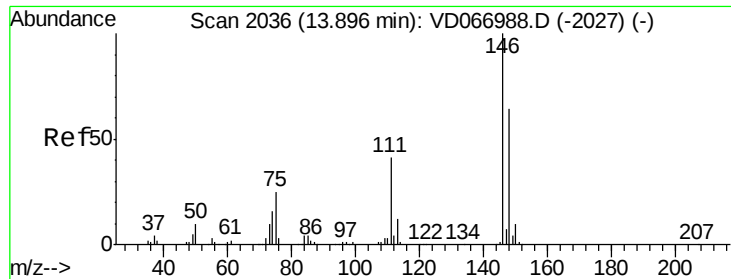
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#90
Hexachloroethane
Concen: 56.553 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	30.6	37.0	110.9





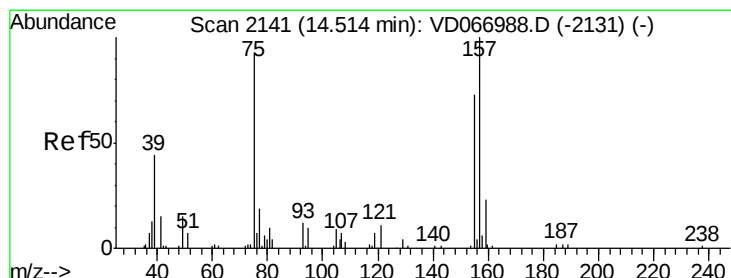
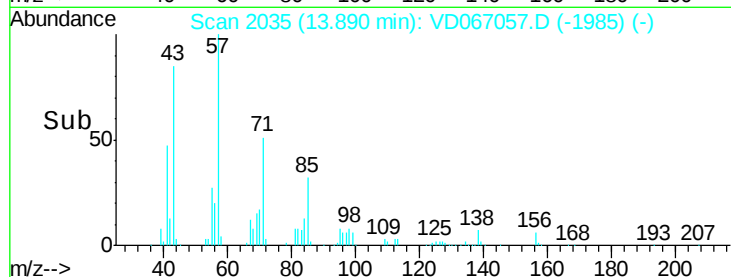
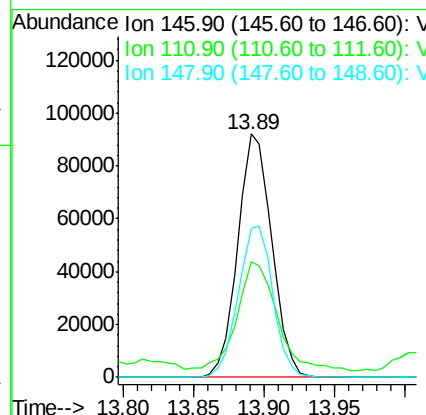
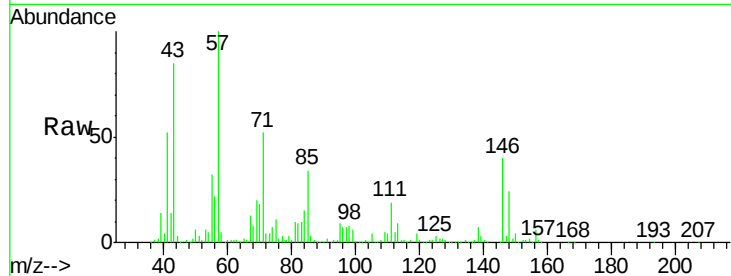
#91
1,2-Dichlorobenzene
Concen: 47.444 ug/l
RT: 13.89 min Scan# 2035
Delta R.T. -0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	155459		
111	52.6	20.9	62.7	
148	63.1	32.3	96.9	

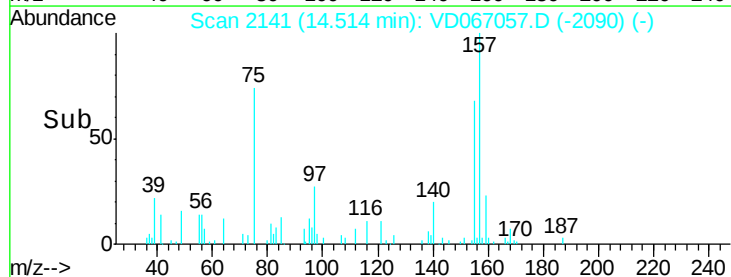
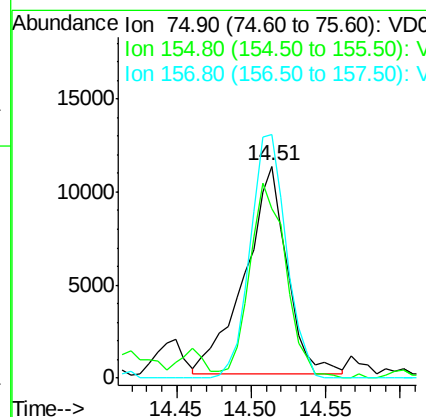
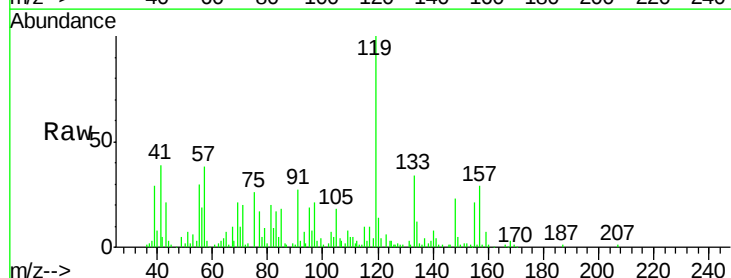
Manual Integrations
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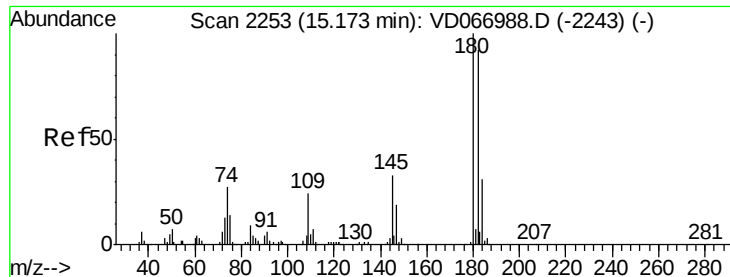
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10/5/2020 5:34:39 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 100.402 ug/l
RT: 14.51 min Scan# 2141
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21753		
155	81.0	45.2	135.6	
157	100.4	56.3	168.8	





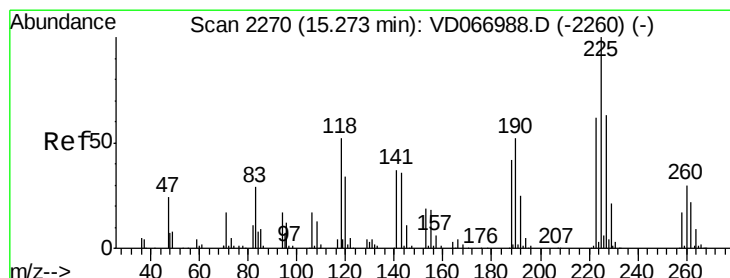
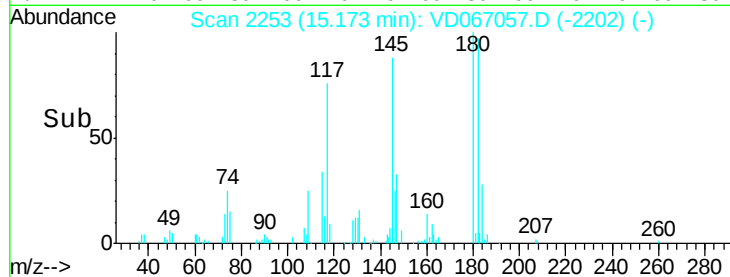
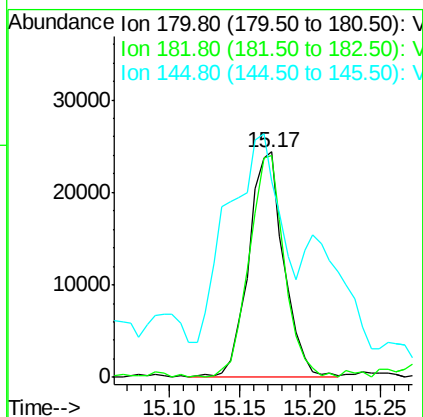
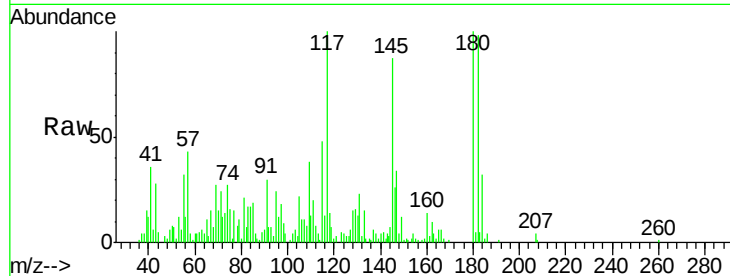
#93
 1,2,4-Trichlorobenzene
 Concen: 20.245 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.1	47.3	142.0	
145	154.2	16.4	49.1#	

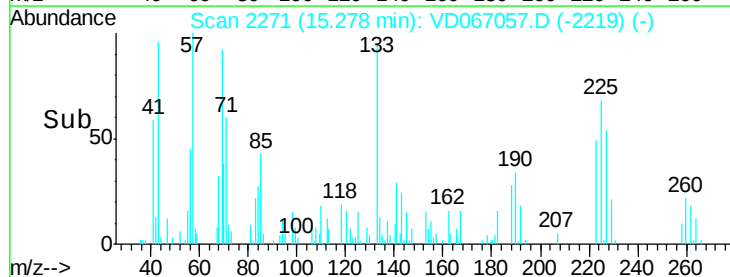
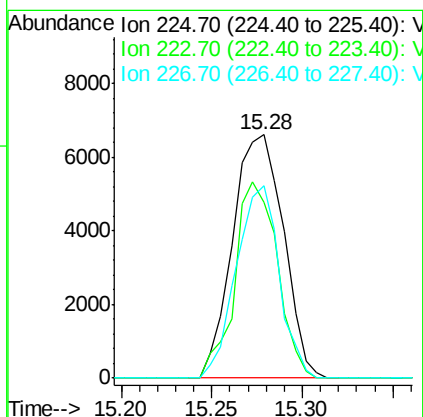
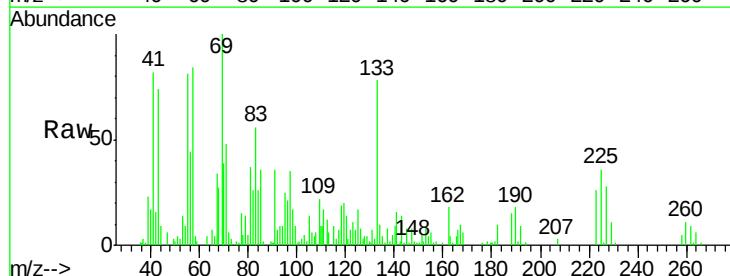
Manual Integrations
 APPROVED

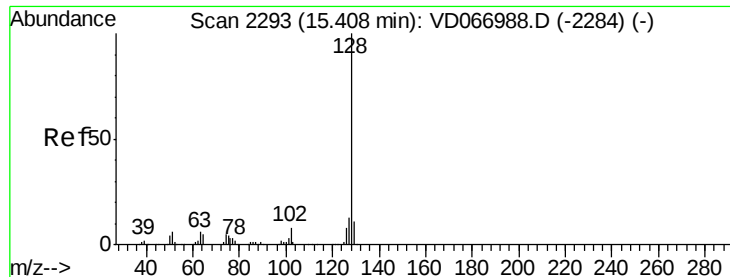
MMDadoda
 10/5/2020 5:34:39 PM



#94
 Hexachlorobutadiene
 Concen: 9.912 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067057.D
 Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	67.5	32.4	97.0	
227	66.7	31.6	95.0	





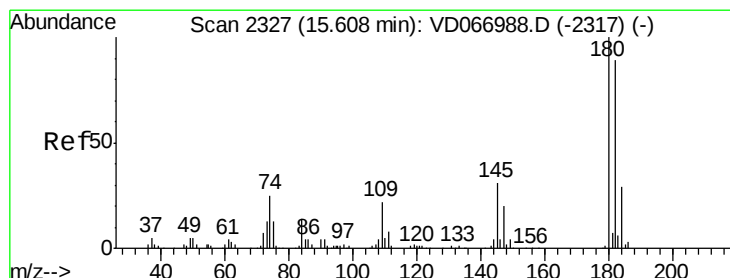
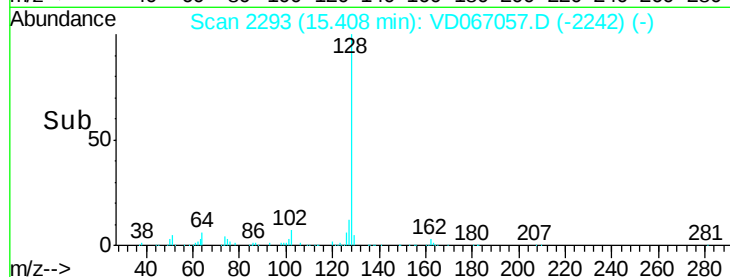
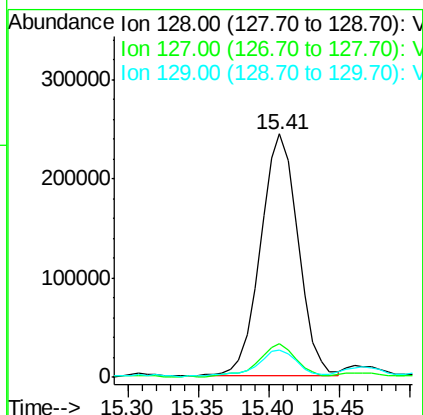
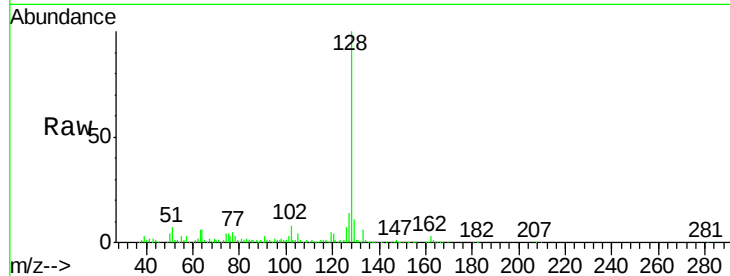
#95
Naphthalene
Concen: 129.816 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Instrument :
MSVOA_D
ClientSampleId :
B-18(0-1)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.4	8.6	13.0

Manual Integrations
APPROVED

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10/5/2020 5:34:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.713 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067057.D
Acq: 03 Oct 2020 02:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	82.7	46.4	139.1
145	122.7	16.6	49.7#

