

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067072.D
 Acq On : 05 Oct 2020 09:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 12:55:04 PM

Quant Time: Oct 06 07:27:50 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	508907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	762172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	682013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	336356	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	224580	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
35) Dibromofluoromethane	7.91	113	251615	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.34	98	933331	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.63	95	319745	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	207528	50.727	ug/l	100
3) Chloromethane	2.21	50	170385	42.041	ug/l	99
4) Vinyl Chloride	2.35	62	174555	42.954	ug/l	96
5) Bromomethane	2.77	94	126883	48.292	ug/l	94
6) Chloroethane	2.92	64	106568	43.061	ug/l	95
7) Trichlorofluoromethane	3.27	101	404289	44.778	ug/l	95
8) Diethyl Ether	3.71	74	105269	47.018	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	236320	46.309	ug/l	99
10) Methyl Iodide	4.30	142	228015	45.984	ug/l	98
11) Tert butyl alcohol	5.21	59	58886	194.121	ug/l	100
12) 1,1-Dichloroethene	4.07	96	219688	45.794	ug/l	97
13) Acrolein	3.92	56	63822	194.448	ug/l	99
14) Allyl chloride	4.71	41	300125	48.157	ug/l	98
15) Acrylonitrile	5.42	53	184678	224.117	ug/l	96
16) Acetone	4.16	43	216497	289.335	ug/l	100
17) Carbon Disulfide	4.41	76	680100	46.194	ug/l	100
18) Methyl Acetate	4.71	43	84669	45.022	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	417948	47.724	ug/l	96
20) Methylene Chloride	4.96	84	252196	47.070	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	260913	47.790	ug/l	91
22) Diisopropyl ether	6.36	45	541533	47.596	ug/l	99
23) Vinyl Acetate	6.30	43	1573561	244.064	ug/l	99
24) 1,1-Dichloroethane	6.26	63	401771	45.756	ug/l	99
25) 2-Butanone	7.21	43	229608	216.436	ug/l	93
26) 2,2-Dichloropropane	7.21	77	377962	50.369	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	275586	47.264	ug/l	99
28) Bromochloromethane	7.55	49	157415	46.421	ug/l	97
29) Tetrahydrofuran	7.56	42	137487	225.394	ug/l	98
30) Chloroform	7.71	83	442826	46.490	ug/l	98
31) Cyclohexane	7.98	56	331851	45.080	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	410118	46.458	ug/l	98
36) 1,1-Dichloropropene	8.11	75	340653	47.950	ug/l	98
37) Ethyl Acetate	7.29	43	110634	44.953	ug/l	98
38) Carbon Tetrachloride	8.10	117	376409	48.969	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	379107	50.474	ug/l	97
40) Benzene	8.35	78	962146	48.759	ug/l	98
41) Methacrylonitrile	7.52	41	57942	43.578	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	253772	46.024	ug/l	100
43) Isopropyl Acetate	8.45	43	204949	45.204	ug/l	97
44) Trichloroethene	9.11	130	292360	49.617	ug/l	97
45) 1,2-Dichloropropane	9.38	63	225076	48.545	ug/l	93
46) Dibromomethane	9.47	93	129399	48.559	ug/l	99
47) Bromodichloromethane	9.66	83	335612	48.450	ug/l	97
48) Methyl methacrylate	9.45	41	100522	43.276	ug/l #	83
49) 1,4-Dioxane	9.46	88	27147	976.099	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	523804	231.943	ug/l	99
52) Toluene	10.40	92	636239	50.054	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	302772	48.907	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	367320	48.589	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	174528	47.108	ug/l	92
56) Ethyl methacrylate	10.66	69	199295	52.103	ug/l	98
57) 1,3-Dichloropropane	10.94	76	287246	47.812	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	564759	265.276	ug/l	99
59) 2-Hexanone	10.98	43	375918	249.397	ug/l	99
60) Dibromochloromethane	11.14	129	238555	48.311	ug/l	97
61) 1,2-Dibromoethane	11.24	107	169409	47.596	ug/l	95
64) Tetrachloroethene	10.87	164	244543	49.321	ug/l	96
65) Chlorobenzene	11.67	112	672222	49.558	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	252736	48.983	ug/l	98
67) Ethyl Benzene	11.74	91	1211124	52.111	ug/l	97
68) m/p-Xylenes	11.85	106	921717	101.764	ug/l	98
69) o-Xylene	12.18	106	419343	51.773	ug/l	95
70) Styrene	12.20	104	725973	52.197	ug/l	100
71) Bromoform	12.36	173	131274	49.014	ug/l #	96
73) Isopropylbenzene	12.48	105	1179689	51.652	ug/l	100
74) N-amyl acetate	12.29	43	194365	47.340	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	177569	46.145	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	118166m	40.333	ug/l	
77) Bromobenzene	12.76	156	274888	49.846	ug/l	96
78) n-propylbenzene	12.82	91	1368089	50.685	ug/l	98
79) 2-Chlorotoluene	12.91	91	769383	49.820	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	988935	51.250	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	57668	49.073	ug/l	94
82) 4-Chlorotoluene	13.01	91	816818	49.713	ug/l	99
83) tert-Butylbenzene	13.23	119	840809	51.744	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	977760	50.774	ug/l	98
85) sec-Butylbenzene	13.40	105	1167234	51.008	ug/l	99
86) p-Isopropyltoluene	13.52	119	1078389	50.831	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	523634	48.747	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	515562	48.001	ug/l	100
89) n-Butylbenzene	13.85	91	1000934	51.624	ug/l	99
90) Hexachloroethane	14.11	117	183369	49.343	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	459527	48.984	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27708	44.669	ug/l	92

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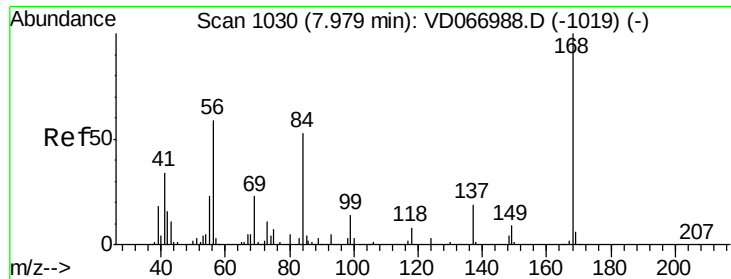
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	311495	51.333	ug/l	99
94) Hexachlorobutadiene	15.28	225	190960	51.242	ug/l	97
95) Naphthalene	15.41	128	522223	51.596	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	265856	50.470	ug/l	97

(#) = 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: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 508907

Ion Ratio Lower Upper

168 100

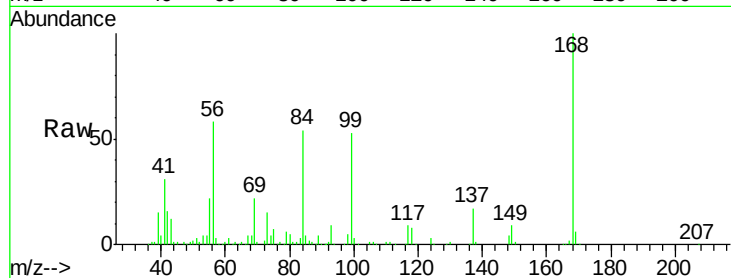
99 53.1 44.1 66.1

Manual Integrations

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10/6/2020 12:55:04 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

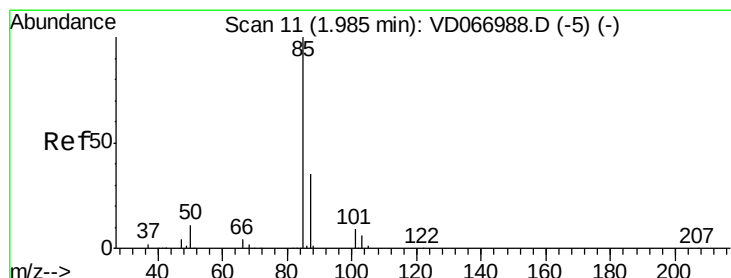
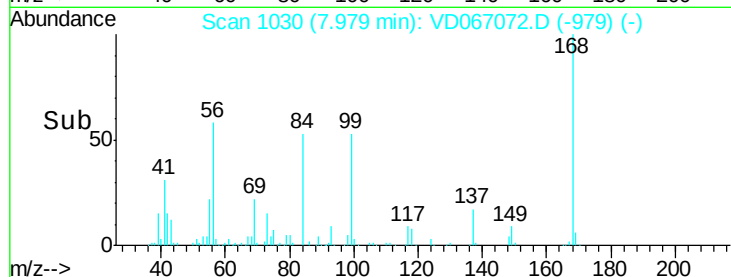
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.727 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067072.D

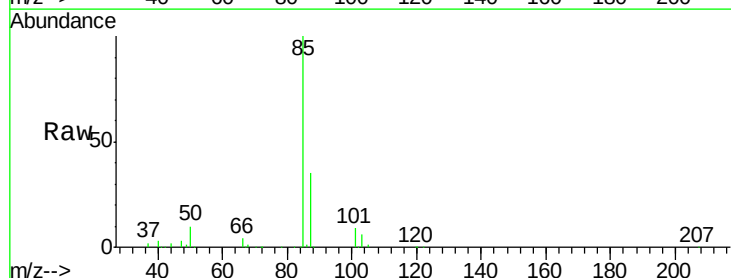
Acq: 05 Oct 2020 09:48

Tgt Ion: 85 Resp: 207528

Ion Ratio Lower Upper

85 100

87 34.7 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

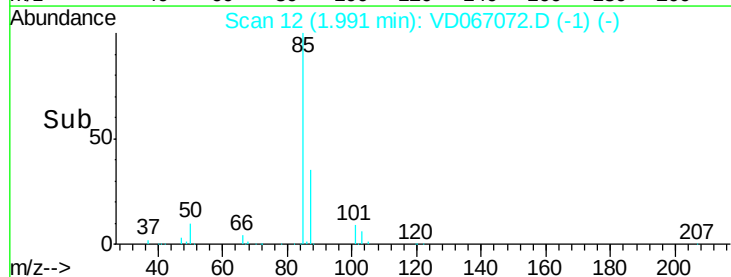
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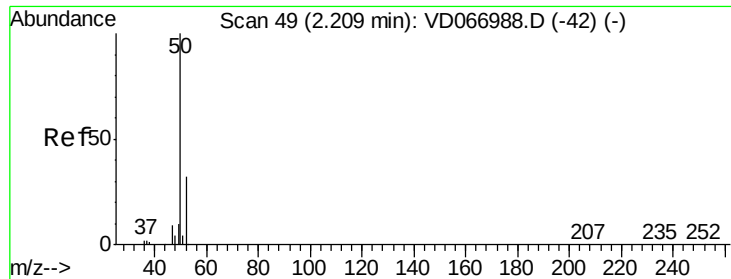
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 42.041 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 170385

Ion Ratio Lower Upper

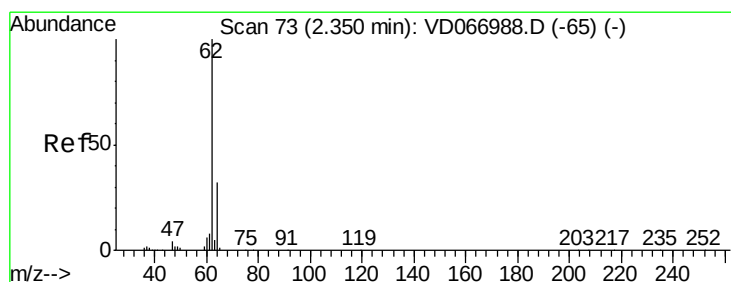
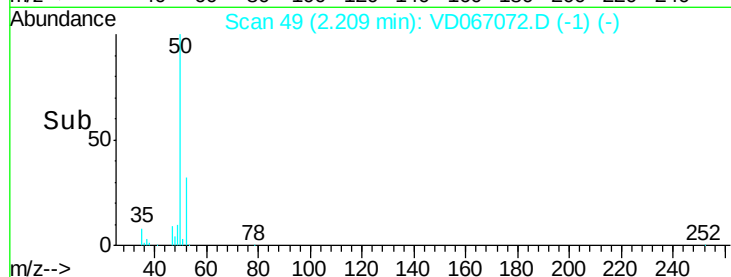
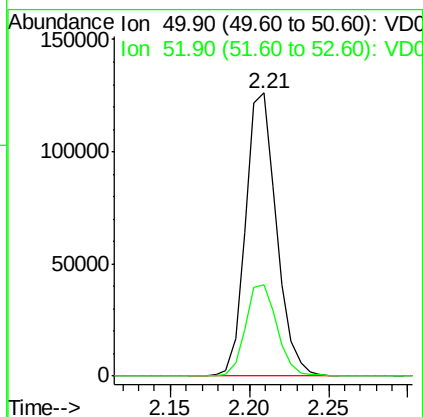
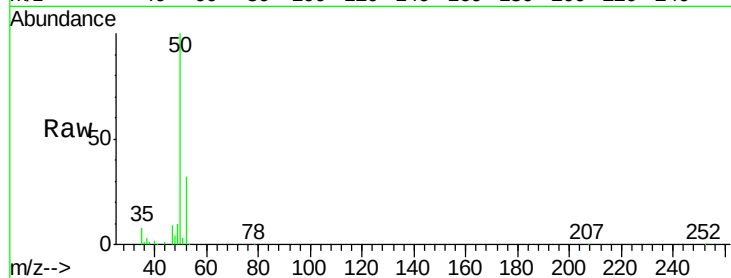
50 100

52 32.4 25.3 37.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 42.954 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067072.D

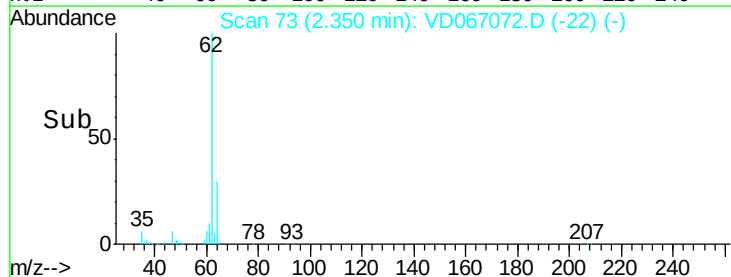
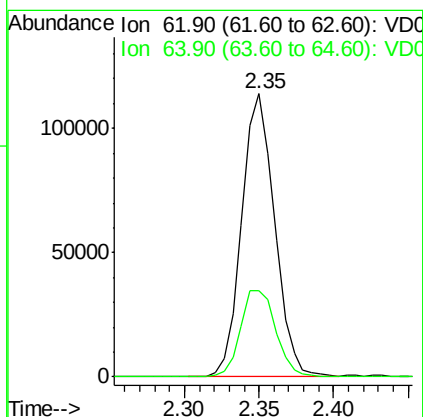
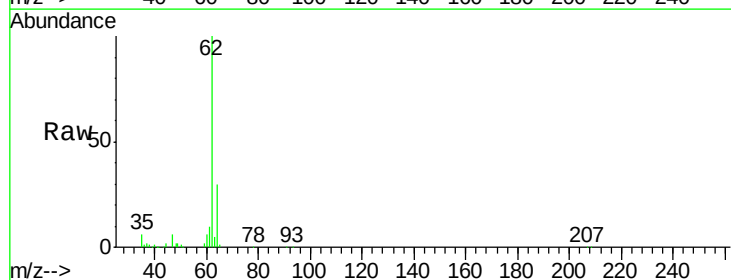
Acq: 05 Oct 2020 09:48

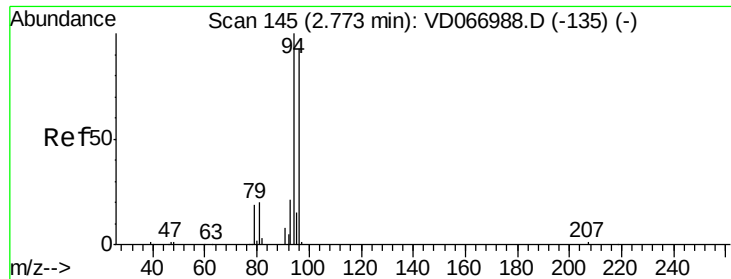
Tgt Ion: 62 Resp: 174555

Ion Ratio Lower Upper

62 100

64 30.3 25.8 38.8





#5

Bromomethane

Concen: 48.292 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 126883

Ion Ratio Lower Upper

94 100

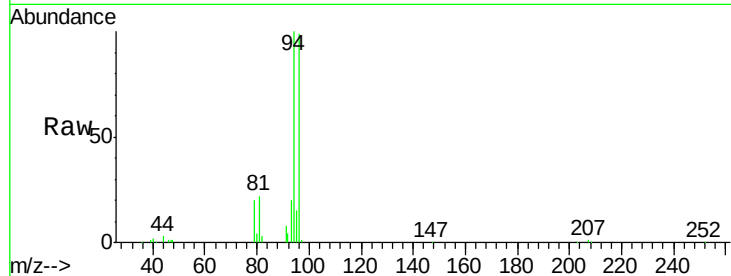
96 98.9 74.6 112.0

Manual Integrations

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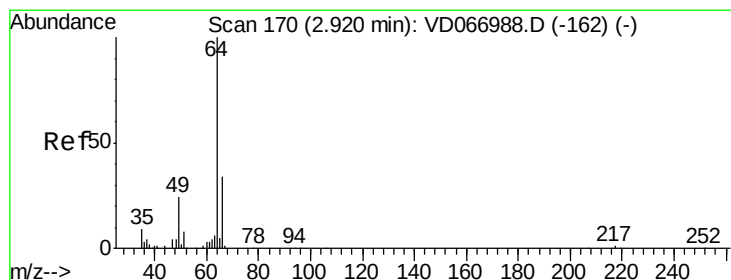
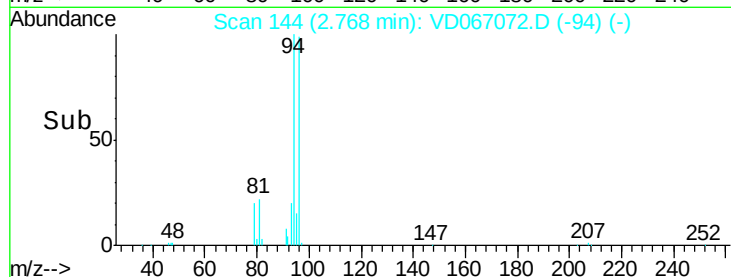
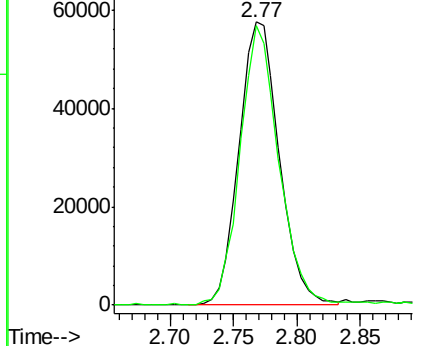
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 43.061 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067072.D

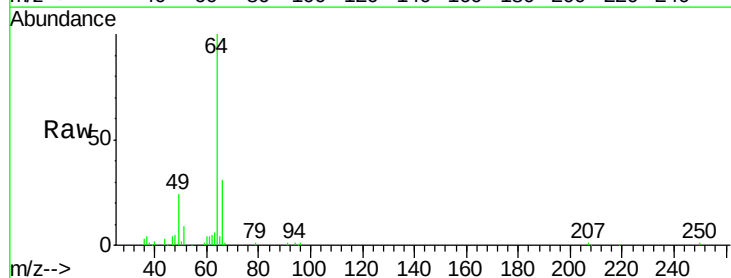
Acq: 05 Oct 2020 09:48

Tgt Ion: 64 Resp: 106568

Ion Ratio Lower Upper

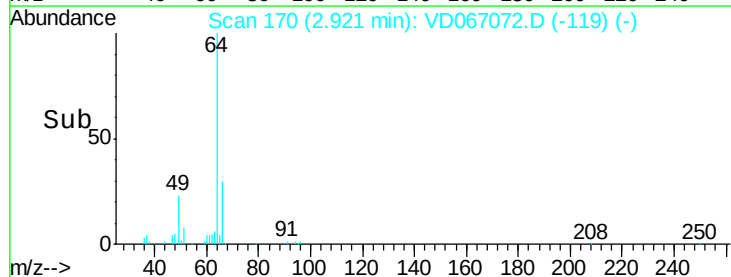
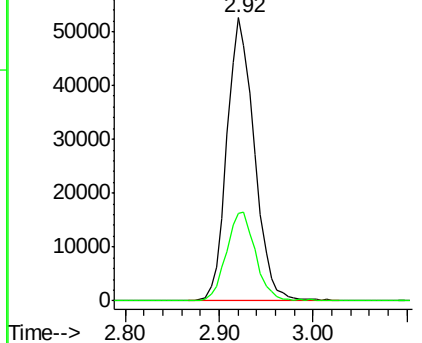
64 100

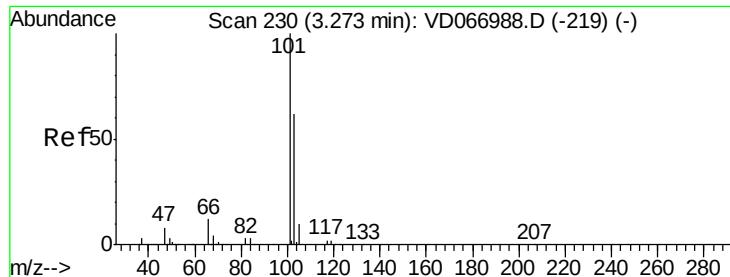
66 30.8 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

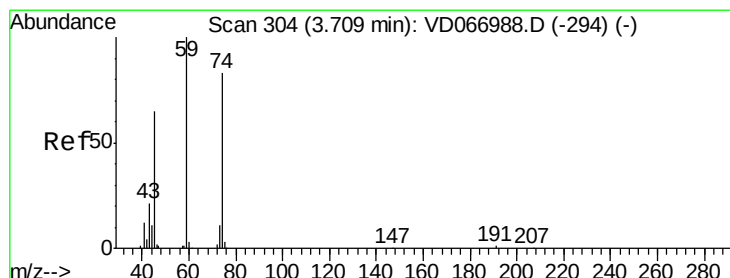
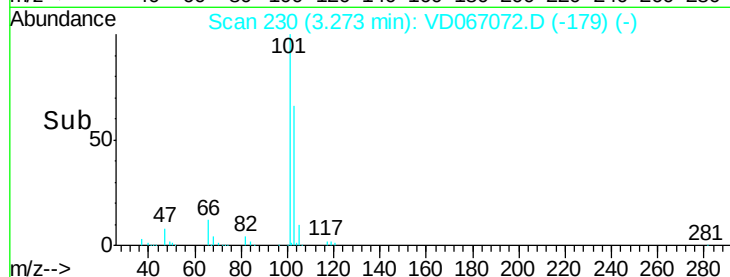
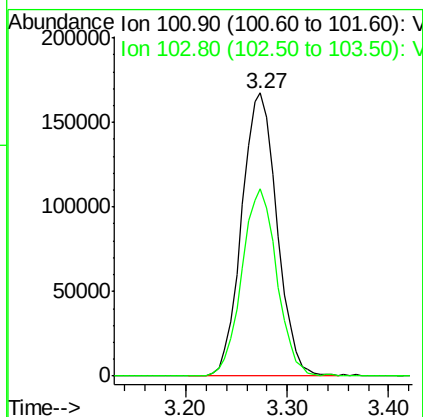
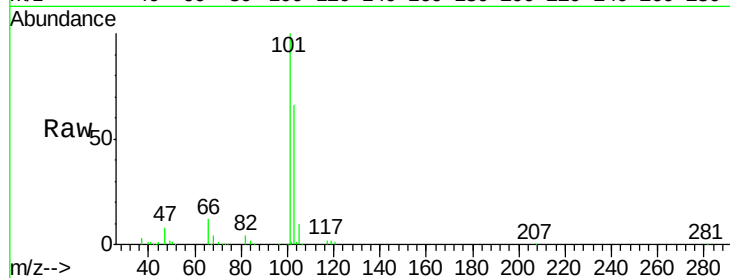
Trichlorofluoromethane
 Concen: 44.778 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	49.8	74.8

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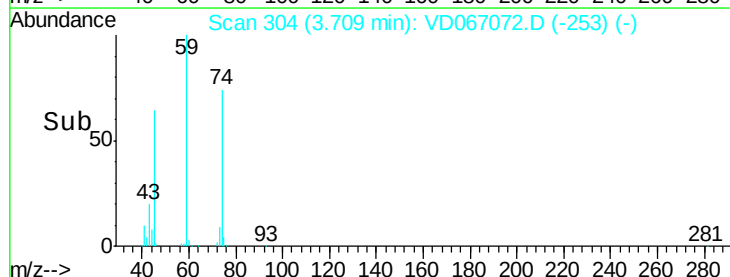
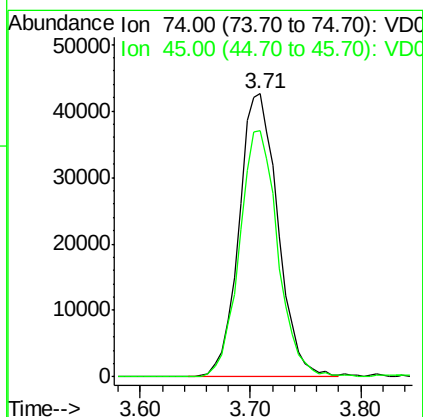
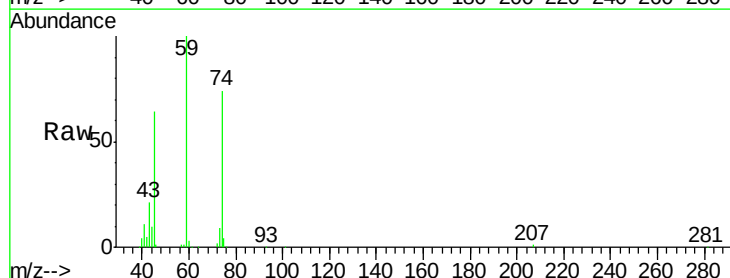
MMDadoda
 10/6/2020 12:55:04 PM

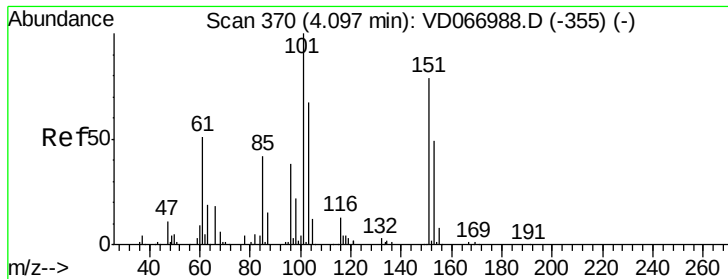


#8

Diethyl Ether
 Concen: 47.018 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.8	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.309 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

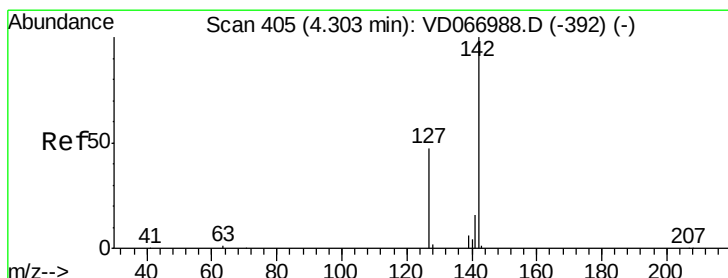
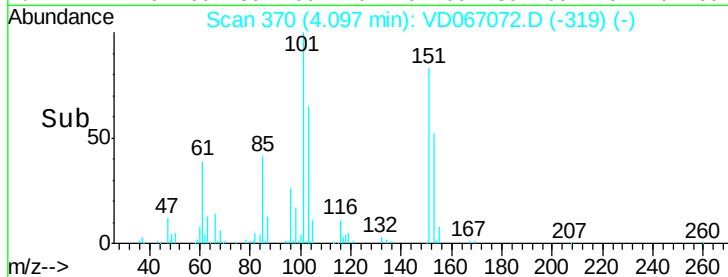
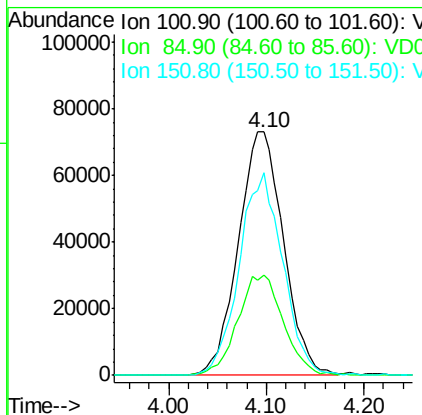
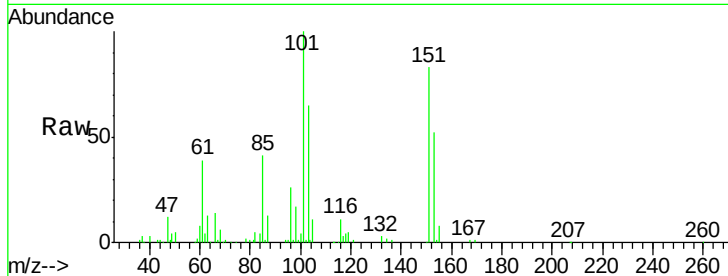
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	236320
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.8	50.8
151	80.3	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 45.984 ug/l

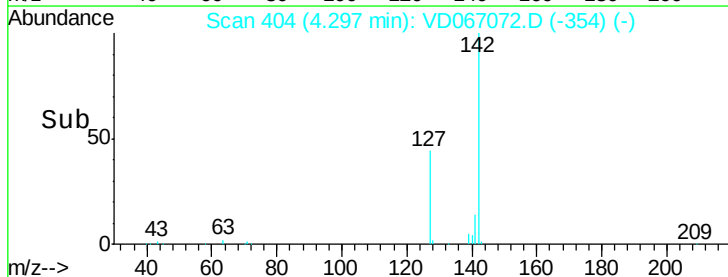
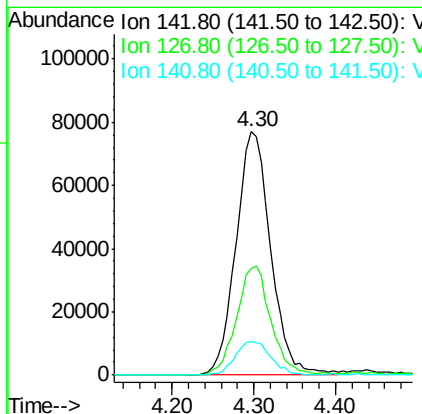
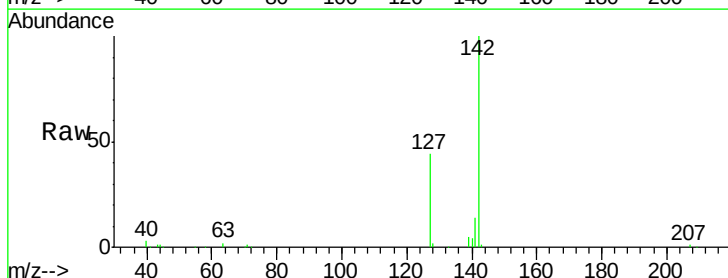
RT: 4.30 min Scan# 404

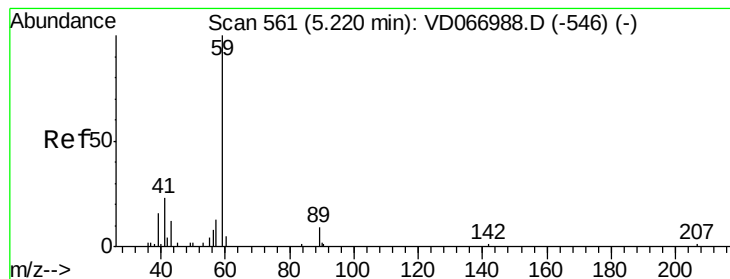
Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Tgt Ion:	142	Resp:	228015
Ion Ratio	Lower	Upper	
142	100		
127	43.8	36.3	54.5
141	14.3	12.0	18.0





#11

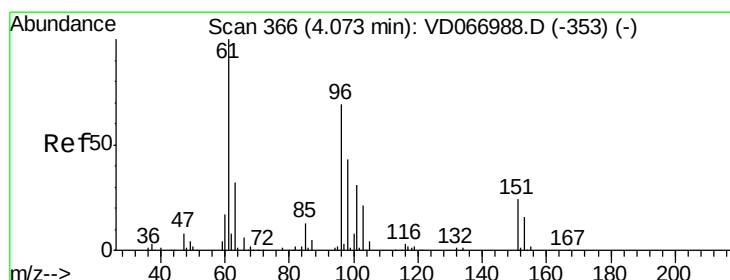
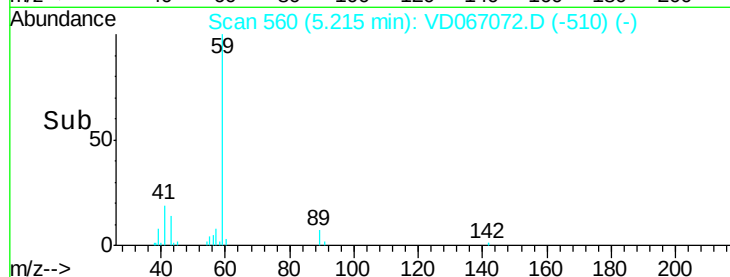
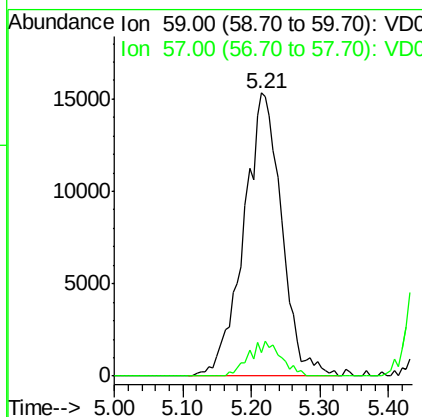
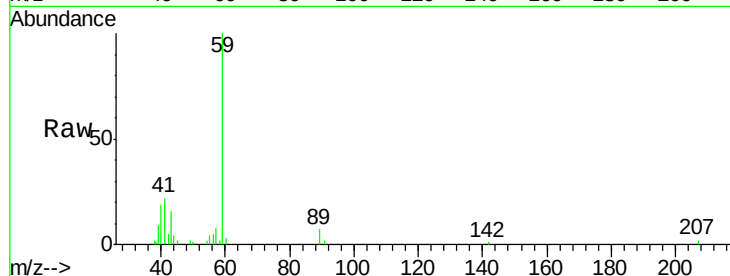
Tert butyl alcohol
Concen: 194.121 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

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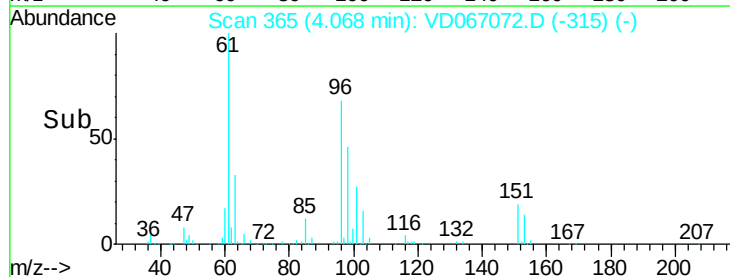
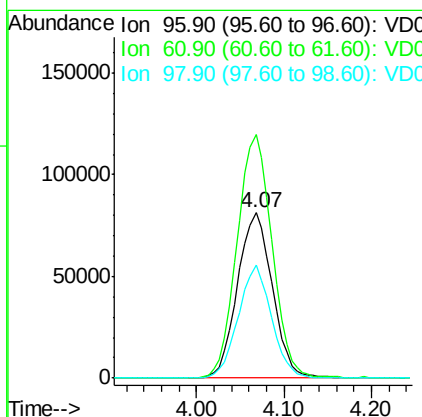
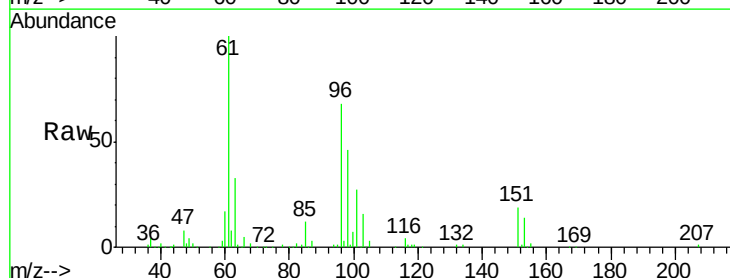
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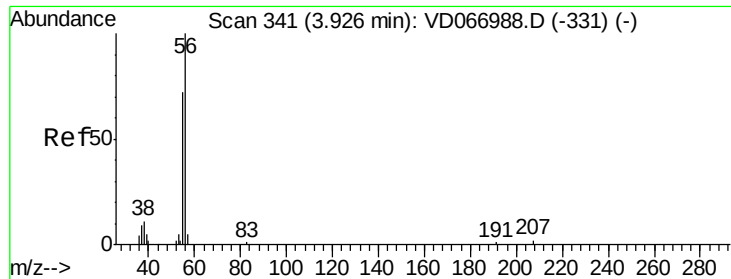


#12

1,1-Dichloroethene
Concen: 45.794 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.4	116.4	174.6
98	68.5	49.9	74.9





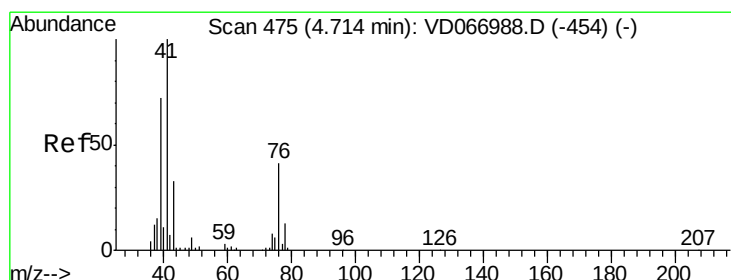
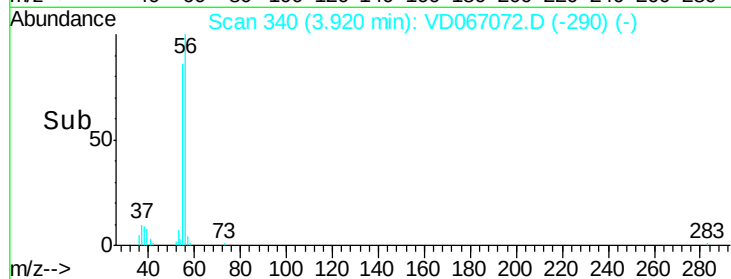
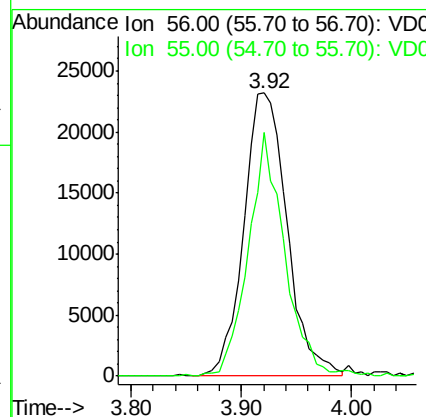
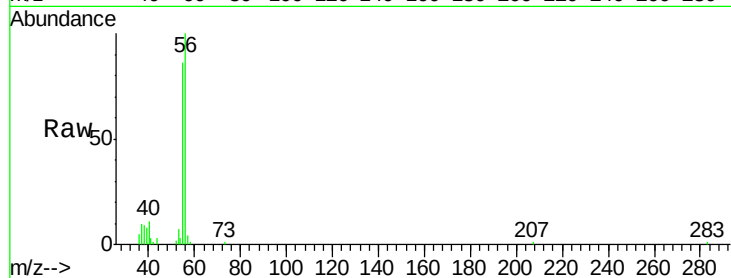
#13
Acrolein
Concen: 194.448 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.5	56.9	85.3

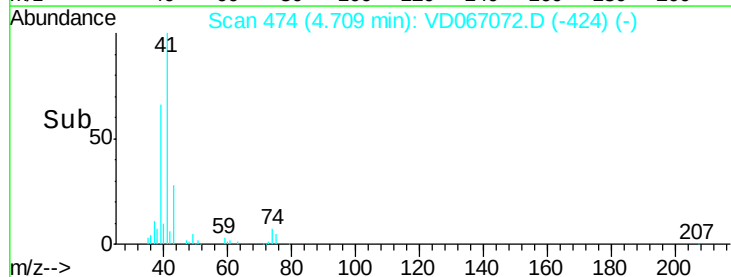
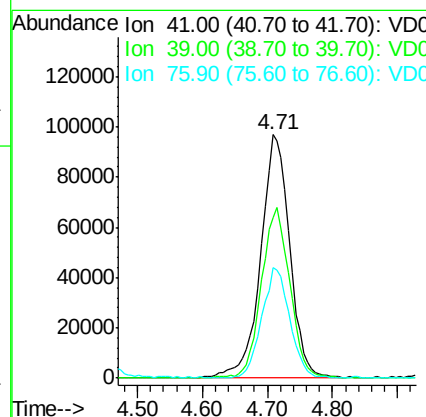
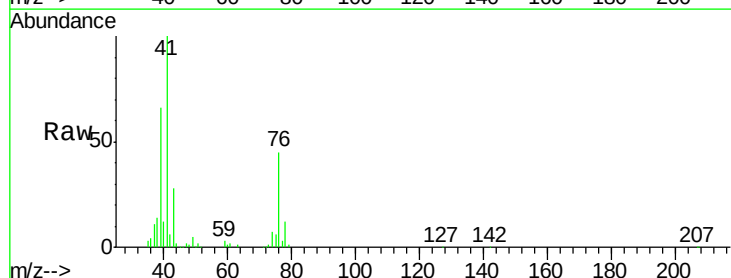
Manual Integrations
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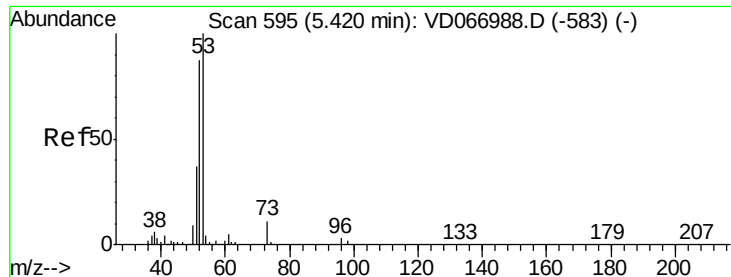
MMDadoda
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#14
Allyl chloride
Concen: 48.157 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.7	56.2	84.2
76	43.8	34.2	51.2





#15

Acrylonitrile

Concen: 224.117 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

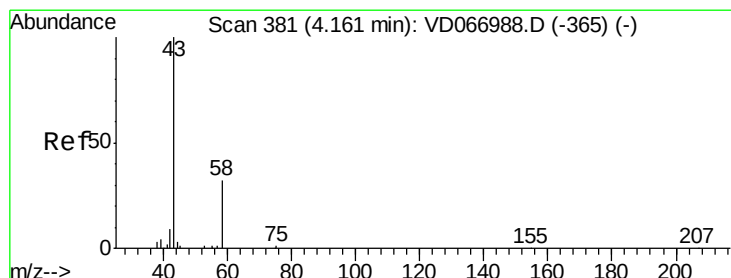
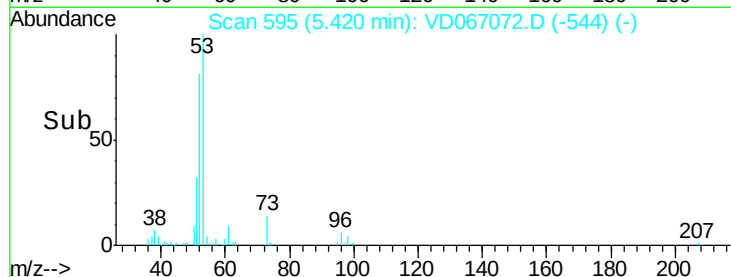
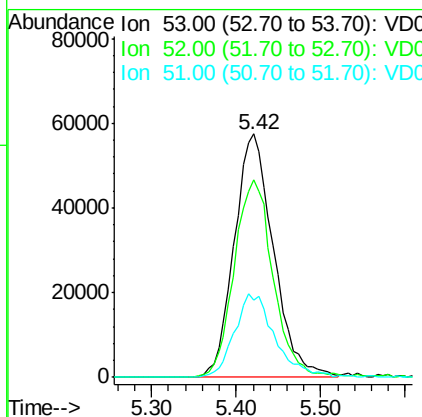
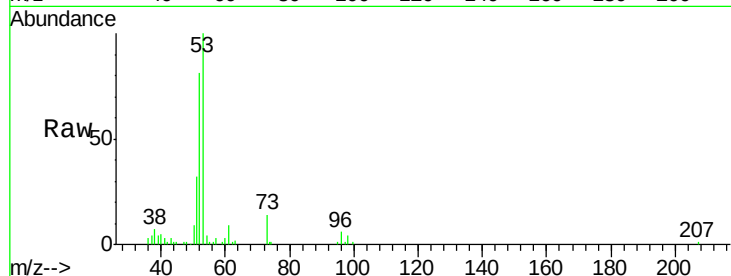
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	184678
Ion	Ratio	Lower	Upper
53	100		
52	80.7	67.3	100.9
51	35.4	30.2	45.2

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#16

Acetone

Concen: 289.335 ug/l

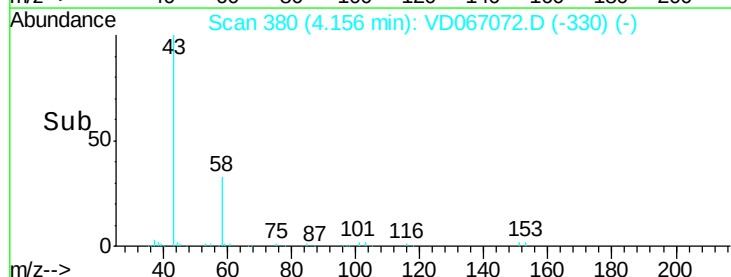
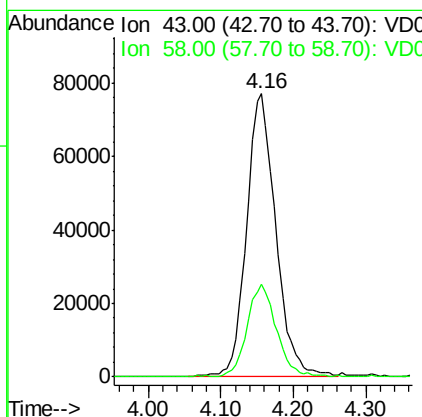
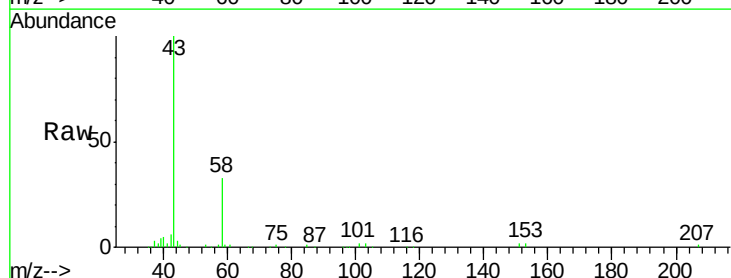
RT: 4.16 min Scan# 380

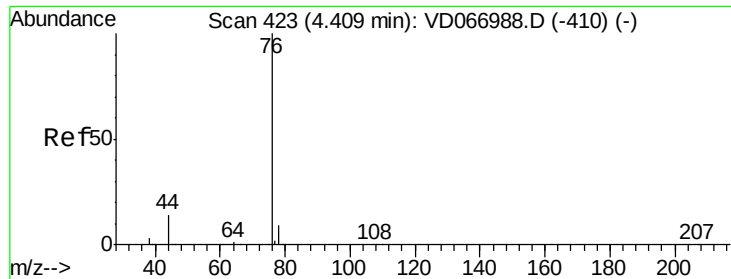
Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Tgt Ion:	43	Resp:	216497
Ion	Ratio	Lower	Upper
43	100		
58	32.6	25.9	38.9





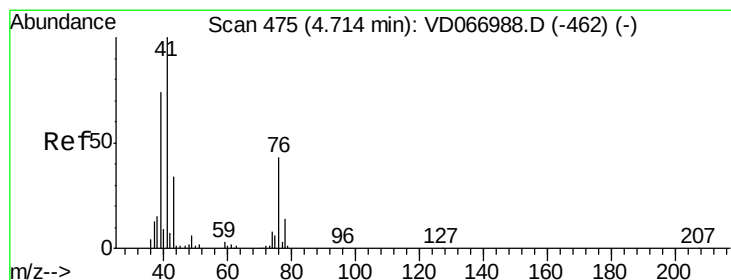
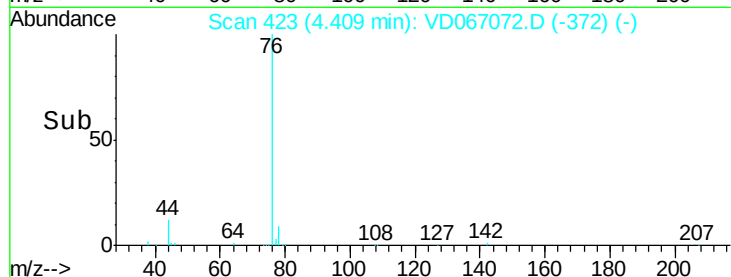
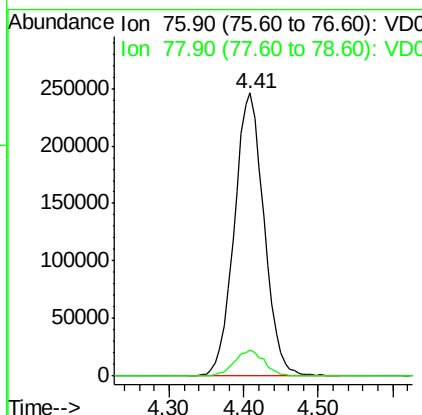
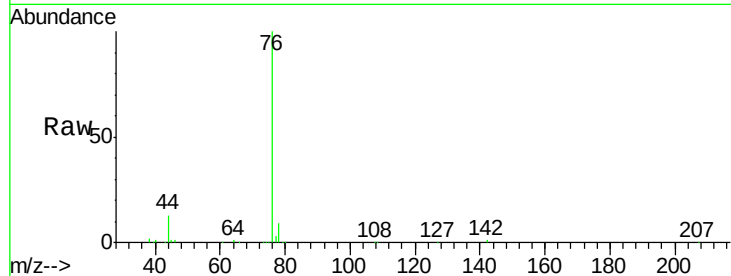
#17
Carbon Disulfide
Concen: 46.194 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

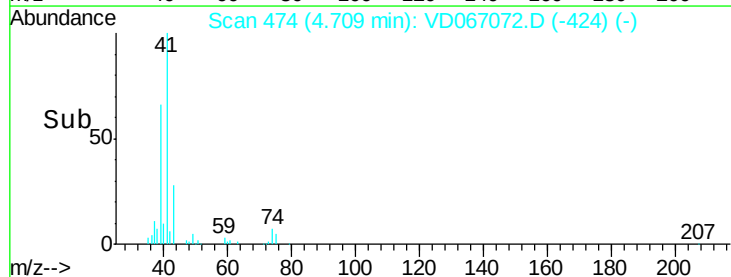
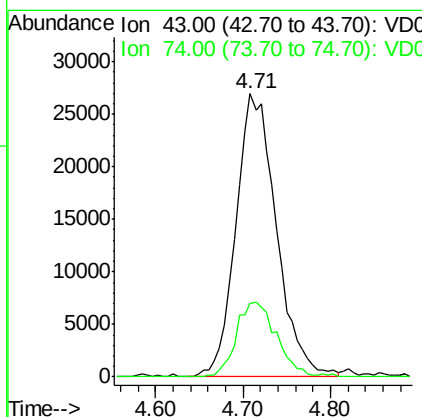
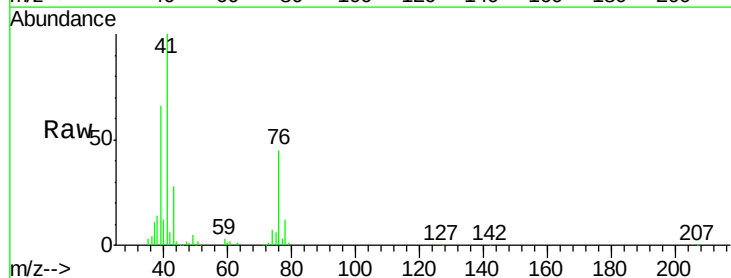
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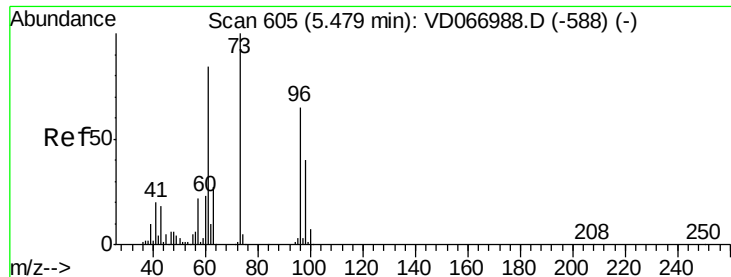
MMDadoda
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#18
Methyl Acetate
Concen: 45.022 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	21.5	32.3





#19

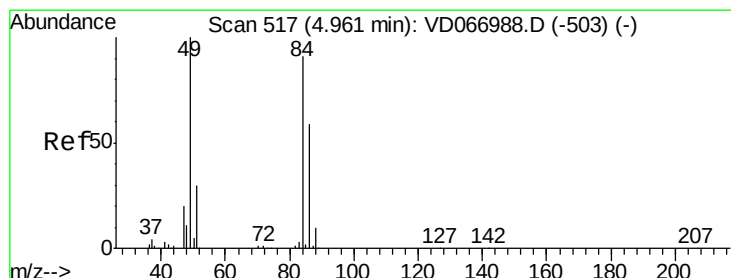
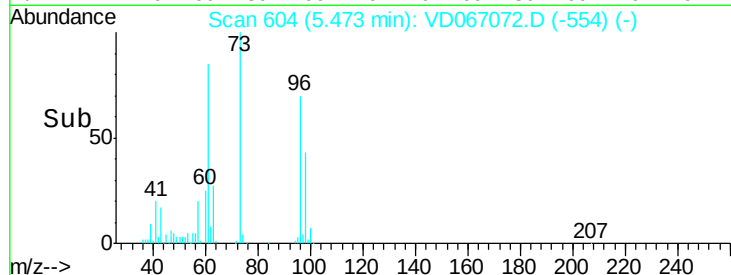
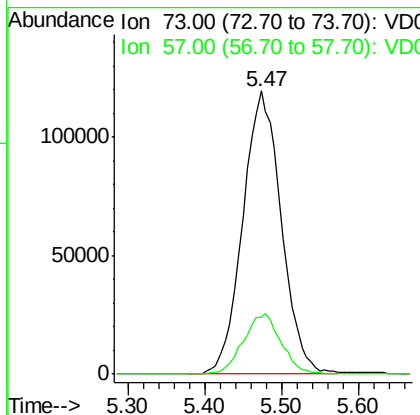
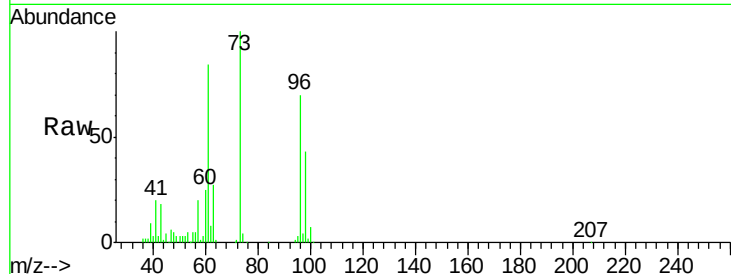
Methyl tert-butyl Ether
 Concen: 47.724 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	17.4	26.0

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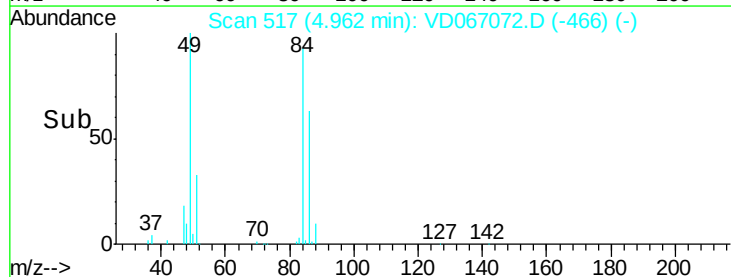
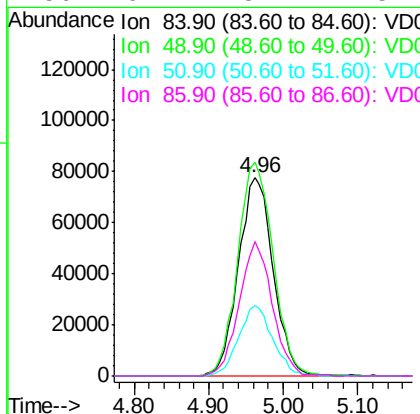
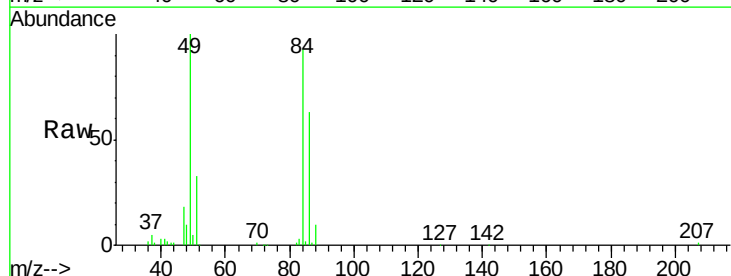
MMDadoda
 10/6/2020 12:55:04 PM

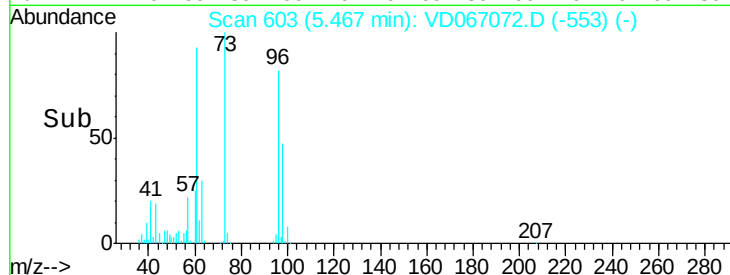
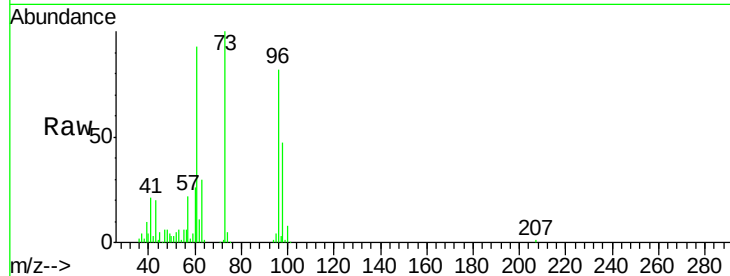
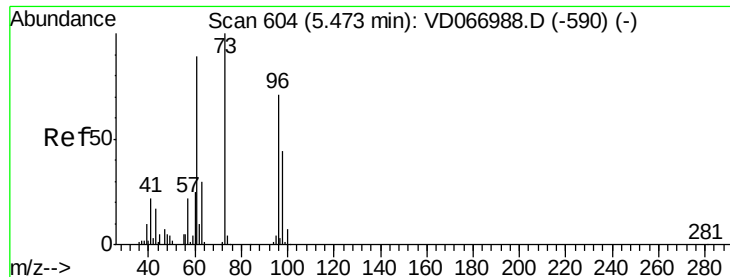


#20

Methylene Chloride
 Concen: 47.070 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.7	88.2	132.2
51	35.6	26.6	39.8
86	67.7	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 47.790 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Tot Ion:	96	Resp:	260913
Ion	Ratio	Lower	Upper
96	100		
61	112.6	99.6	149.4
98	56.8	49.4	74.2

Instrument :

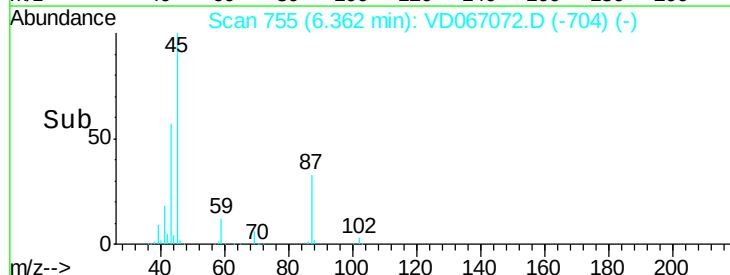
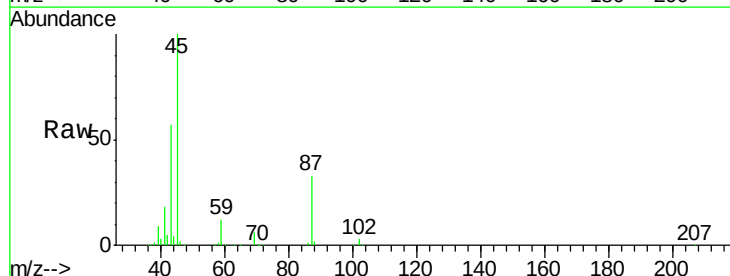
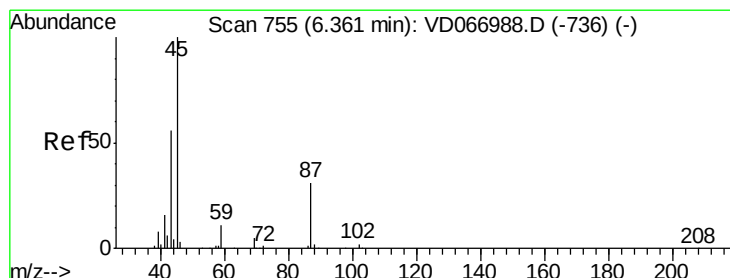
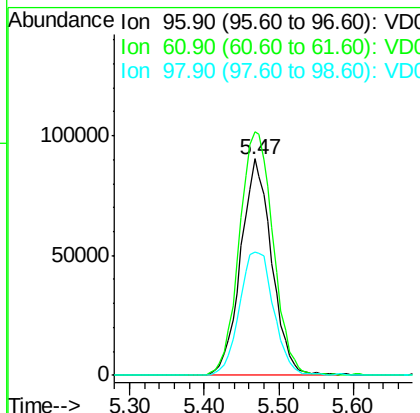
MSVOA_D

ClientSampleId :

VSTDCCC050

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#22

Diisopropyl ether

Concen: 47.596 ug/l

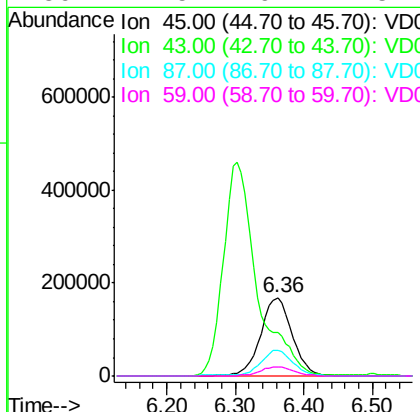
RT: 6.36 min Scan# 755

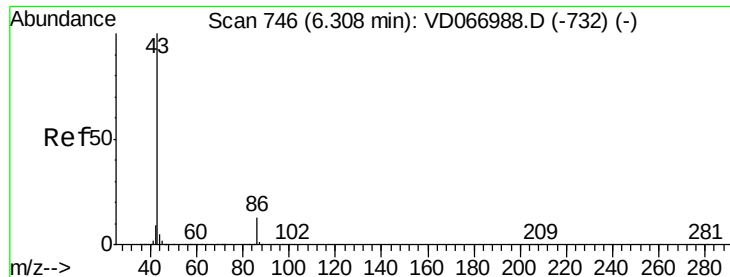
Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Tgt Ion:	45	Resp:	541533
Ion	Ratio	Lower	Upper
45	100		
43	56.4	45.2	67.8
87	32.9	25.6	38.4
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 244.064 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Tot Ion: 43 Resp: 1573561

Ion Ratio Lower Upper

43 100

86 13.0 10.2 15.2

Instrument :

MSVOA_D

ClientSampleId :

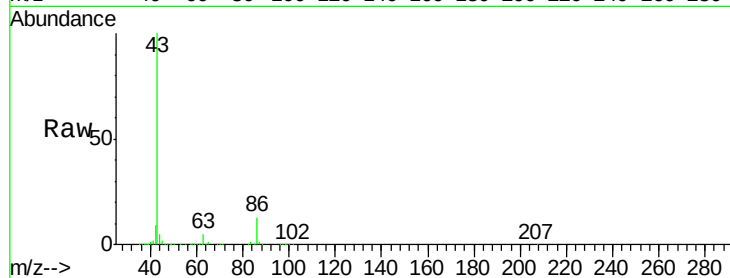
VSTDCCC050

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

500000

400000

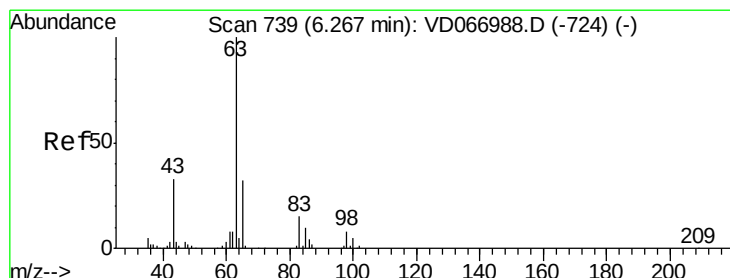
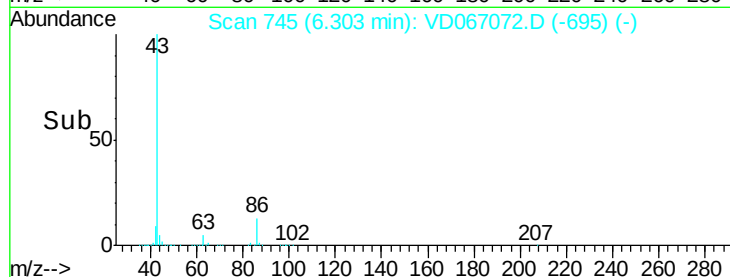
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 45.756 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

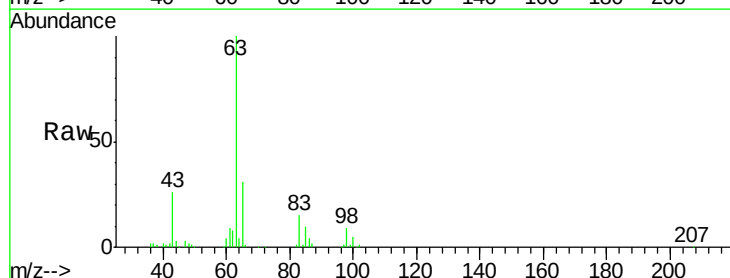
Tgt Ion: 63 Resp: 401771

Ion Ratio Lower Upper

63 100

98 8.8 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

6.26

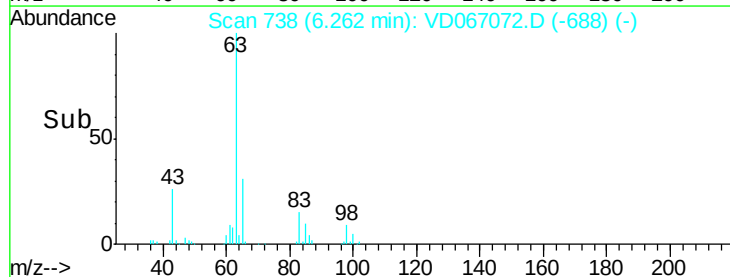
150000

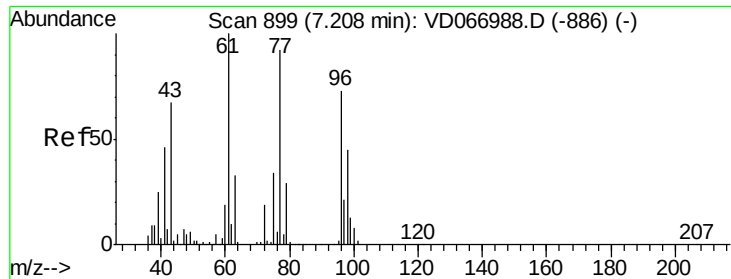
100000

50000

0

Time-->





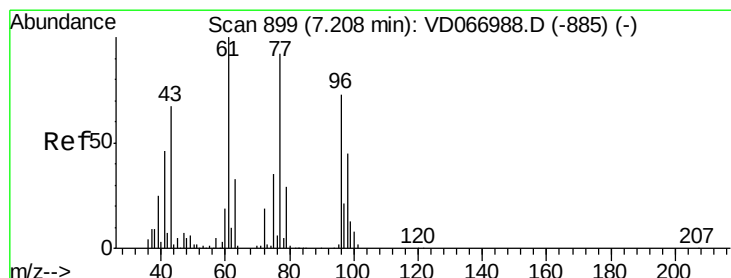
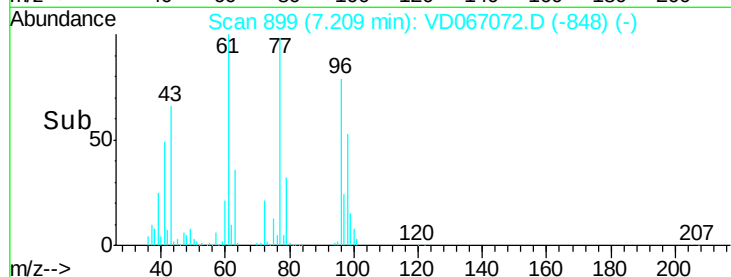
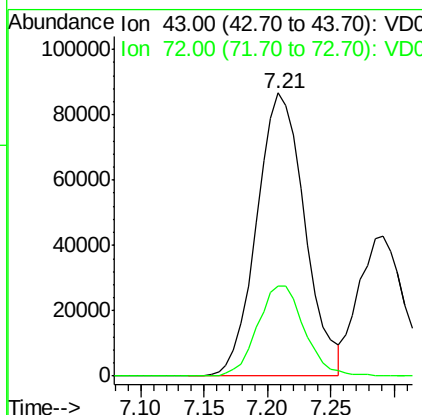
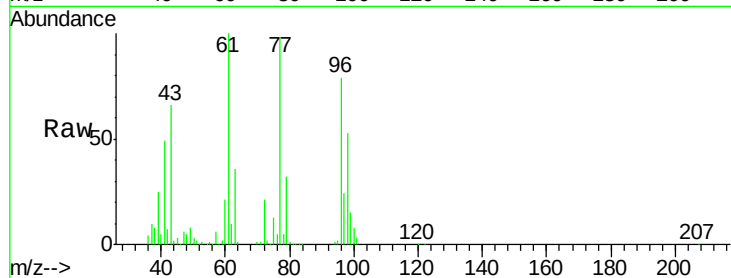
#25
2-Butanone
Concen: 216.436 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 229608
Ion Ratio Lower Upper
43 100
72 32.1 22.8 34.2

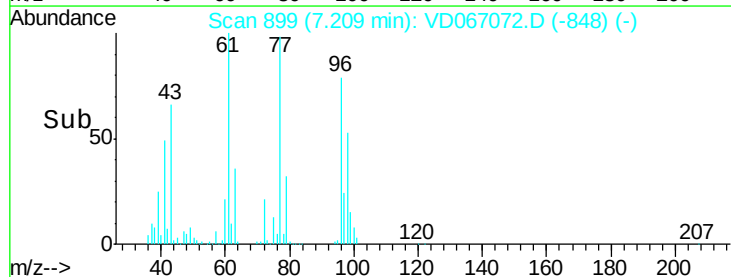
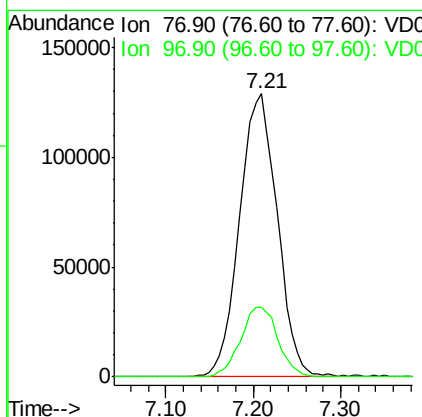
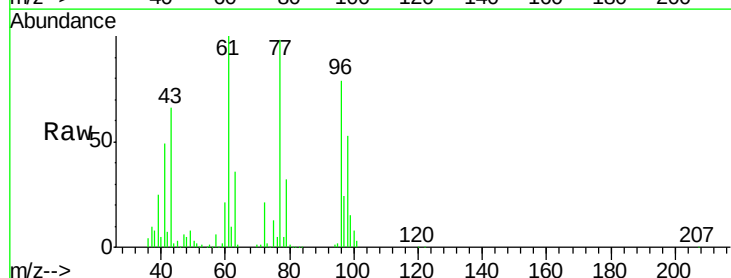
Manual Integrations
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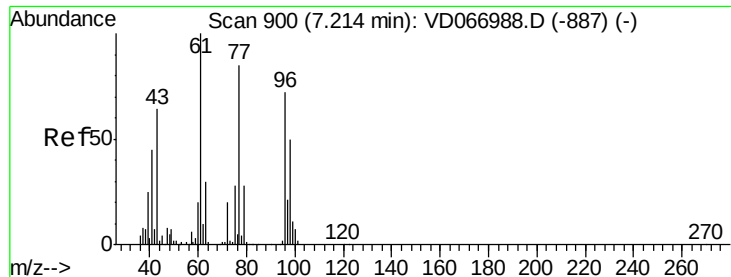
MMDadoda
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#26
2,2-Dichloropropane
Concen: 50.369 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion: 77 Resp: 377962
Ion Ratio Lower Upper
77 100
97 24.4 11.4 34.2





#27

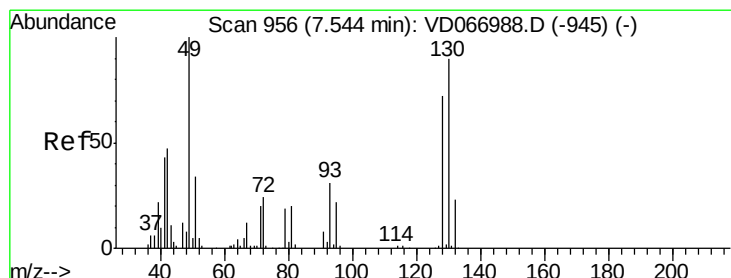
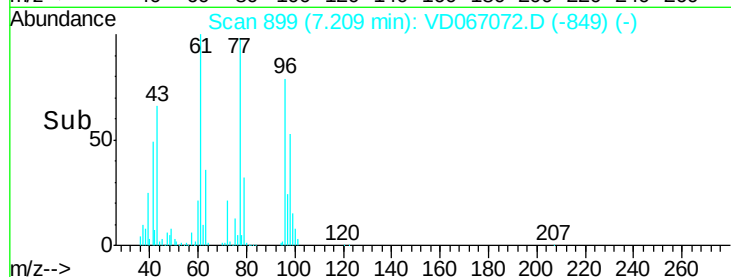
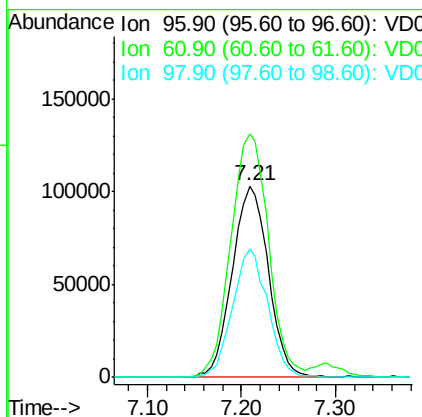
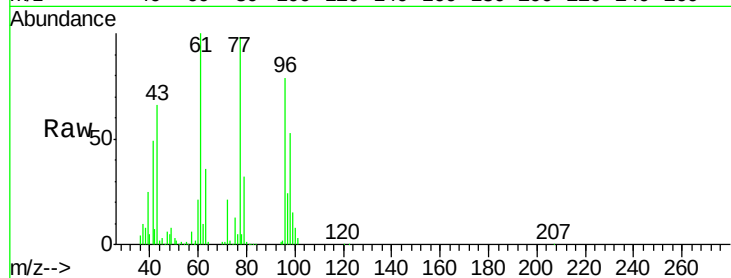
cis-1,2-Dichloroethene
Concen: 47.264 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.7	0.0	269.2
98	65.3	0.0	129.4

Manual Integrations
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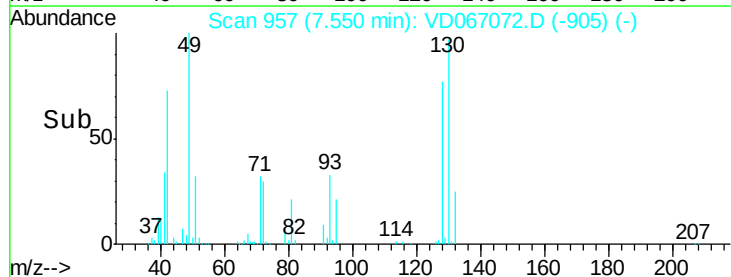
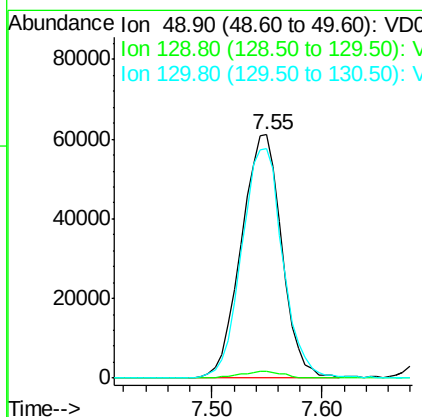
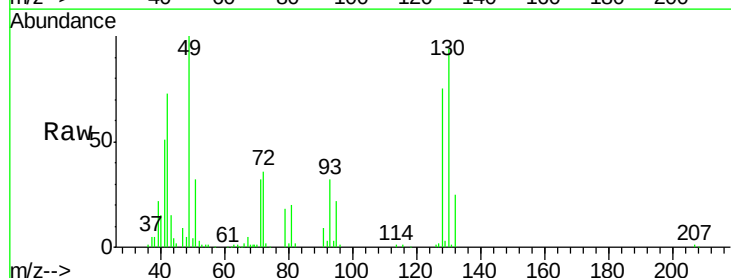
MMDadoda
10/6/2020 12:55:04 PM

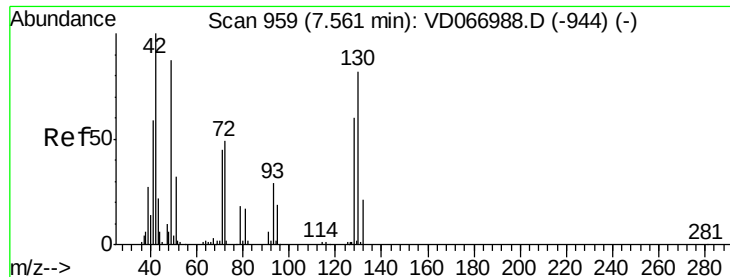


#28

Bromochloromethane
Concen: 46.421 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.6
130	95.9	74.1	111.1





#29

Tetrahydrofuran

Concen: 225.394 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

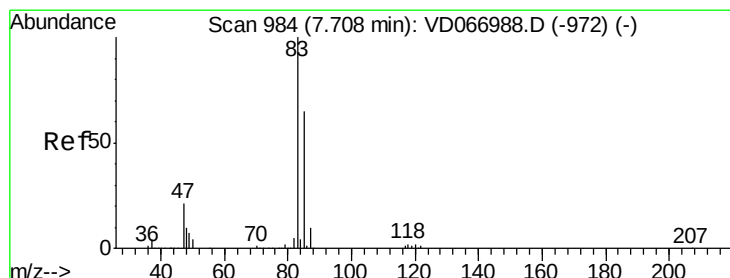
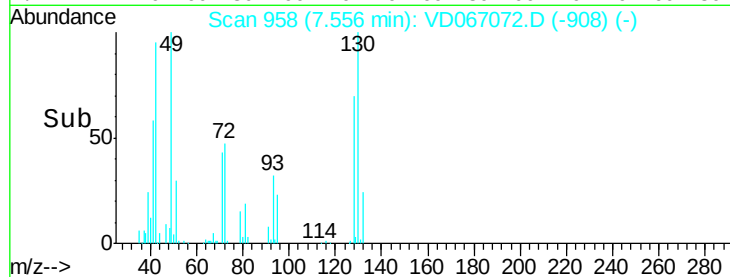
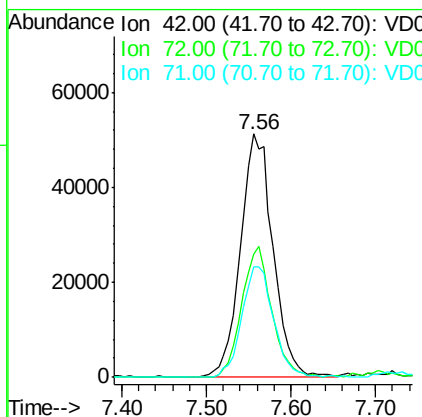
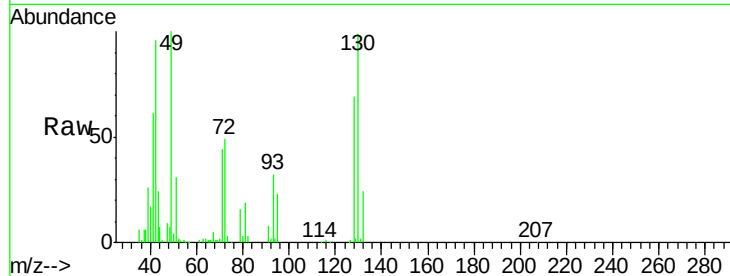
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	137487
Ion	Ratio	Lower	Upper
42	100		
72	49.6	39.1	58.7
71	44.7	34.2	51.4

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MMDadoda
10/6/2020 12:55:04 PM



#30

Chloroform

Concen: 46.490 ug/l

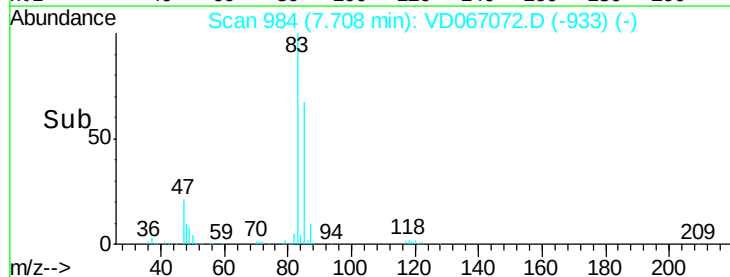
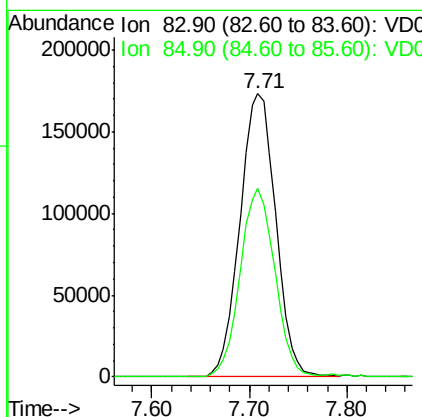
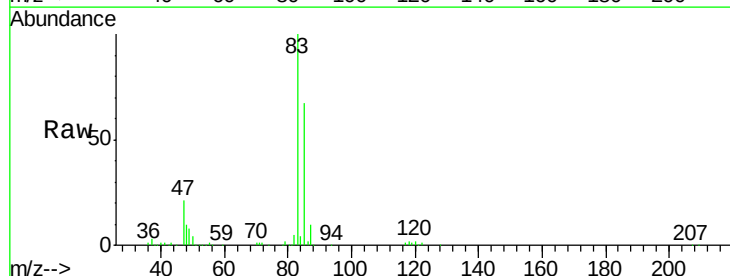
RT: 7.71 min Scan# 984

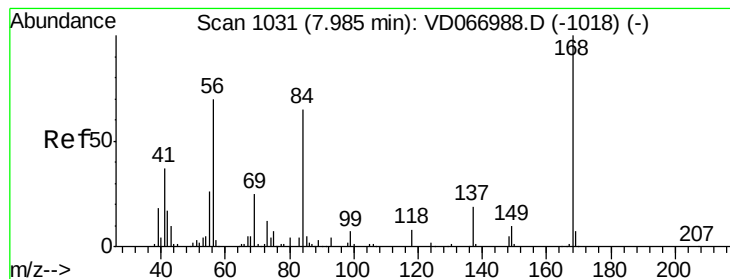
Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Tgt Ion:	83	Resp:	442826
Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.3	78.5





#31

Cyclohexane

Concen: 45.080 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

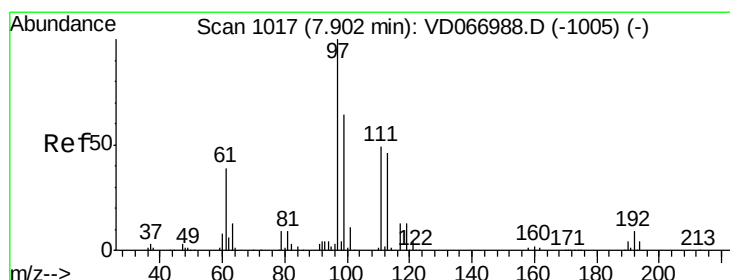
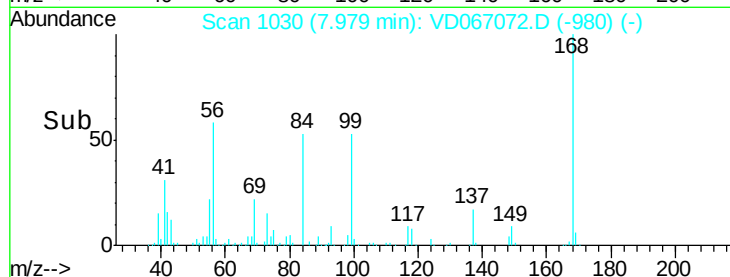
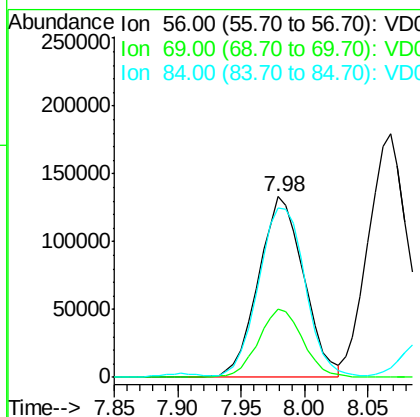
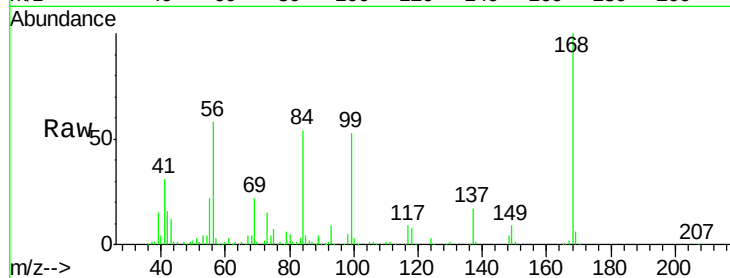
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	331851
Ion Ratio	Lower	Upper	
56	100		
69	37.8	29.0	43.6
84	92.3	74.2	111.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.458 ug/l

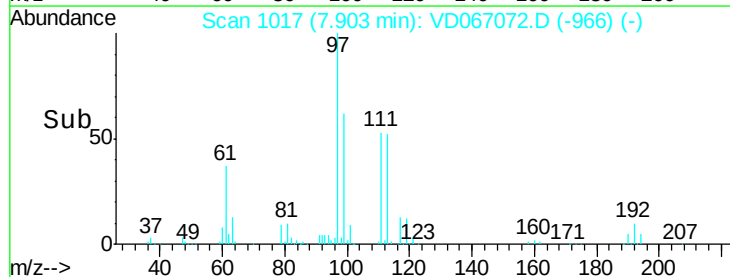
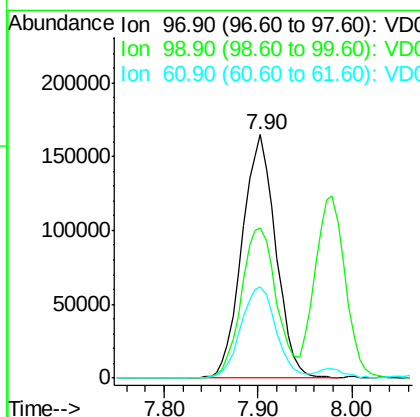
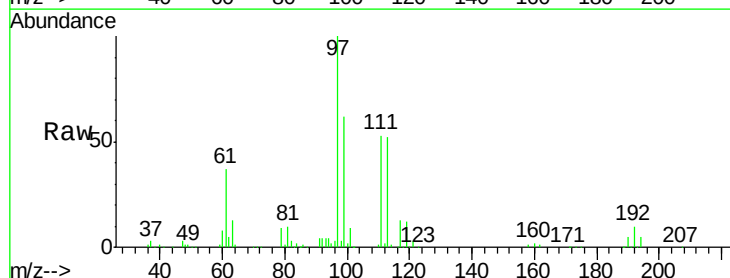
RT: 7.90 min Scan# 1017

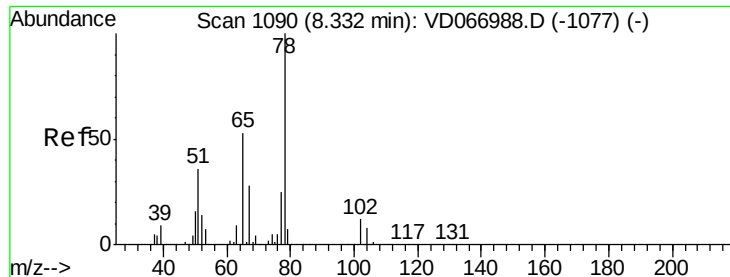
Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Tgt Ion:	97	Resp:	410118
Ion Ratio	Lower	Upper	
97	100		
99	64.9	52.6	78.8
61	39.4	32.8	49.2





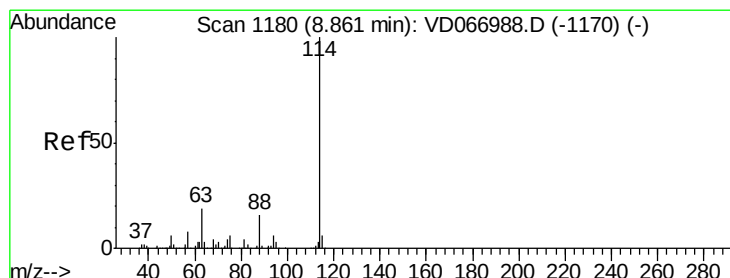
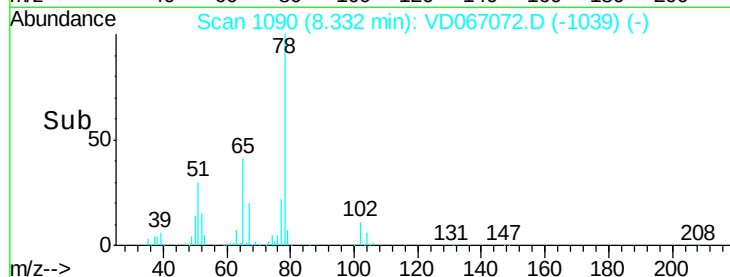
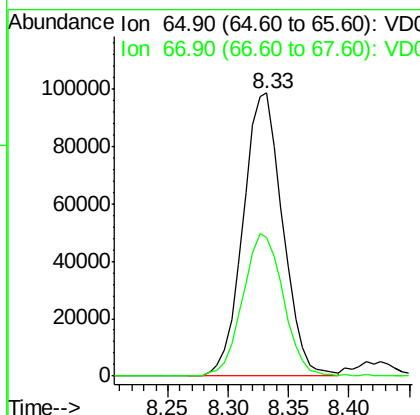
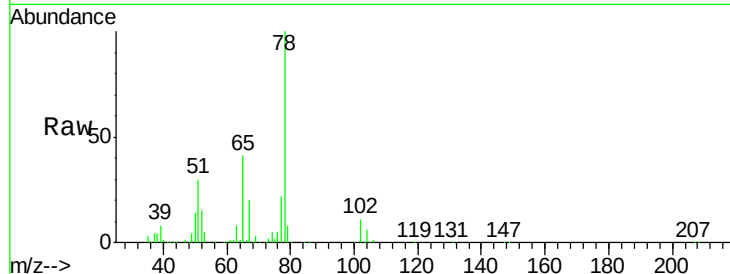
#33
 1,2-Dichloroethane-d4
 Concen: 45.816 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	224580		
67	51.7	0.0	106.8	

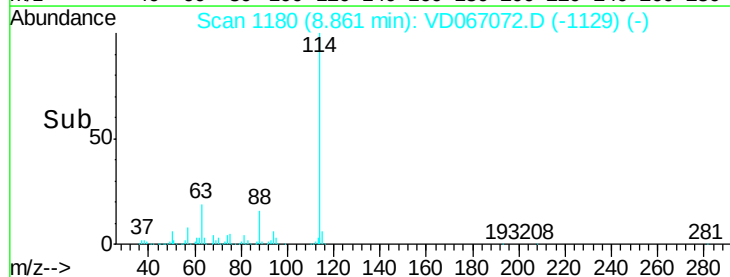
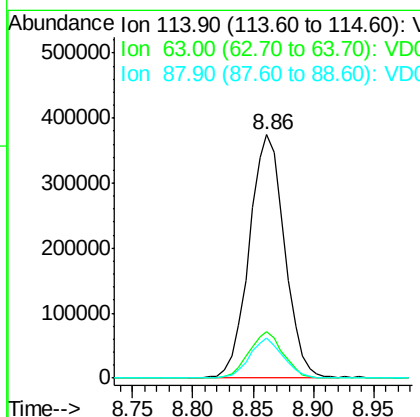
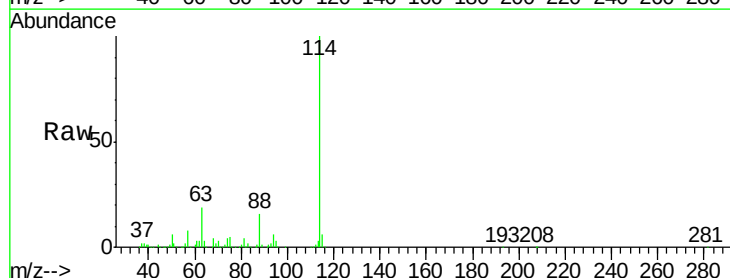
Manual Integrations
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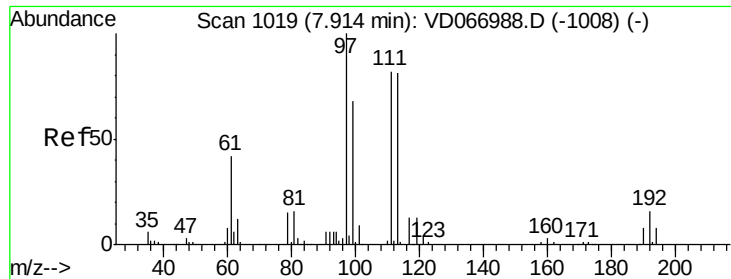
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	762172		
63	19.0	0.0	38.4	
88	16.4	0.0	31.2	





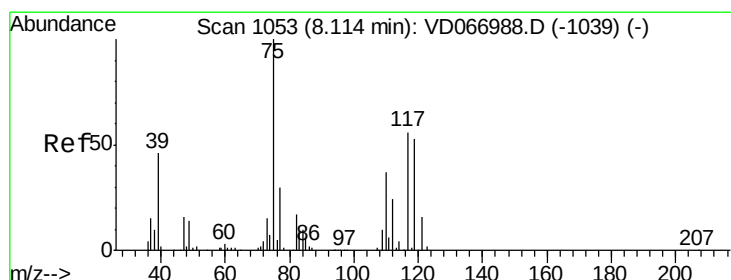
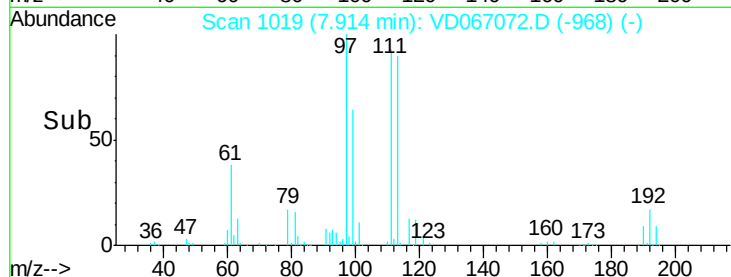
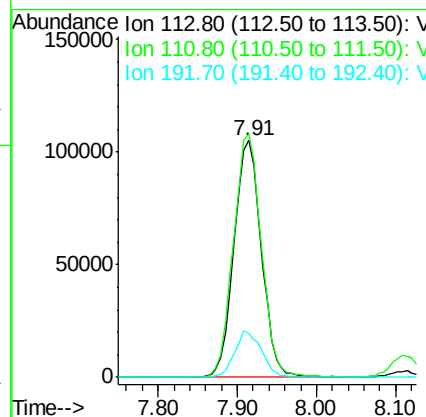
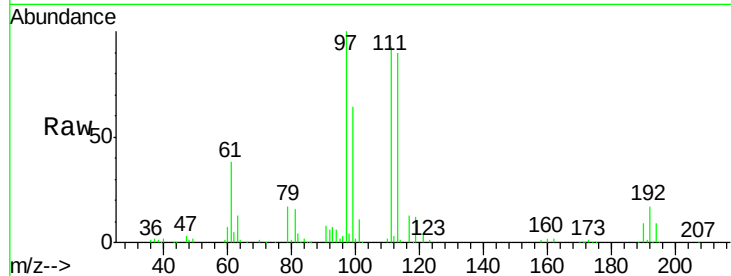
#35
 Dibromofluoromethane
 Concen: 50.426 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	251615		
111	104.6	83.0	124.4	
192	19.3	15.5	23.3	

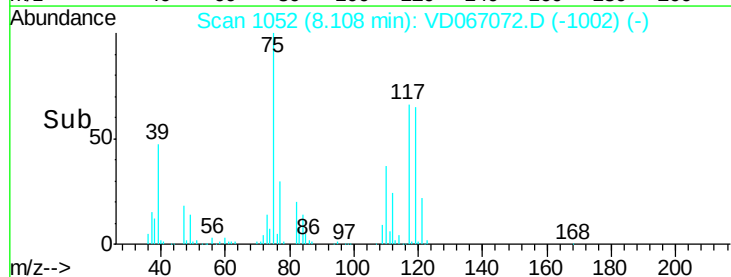
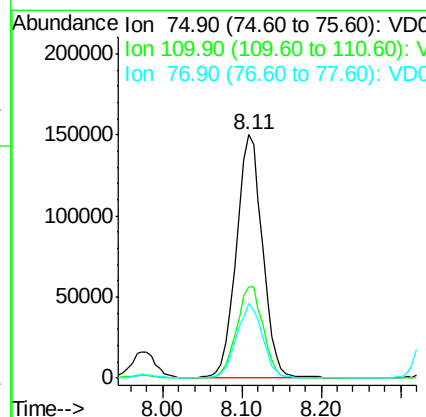
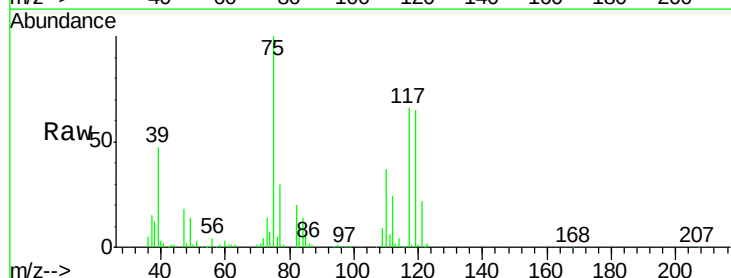
Manual Integrations
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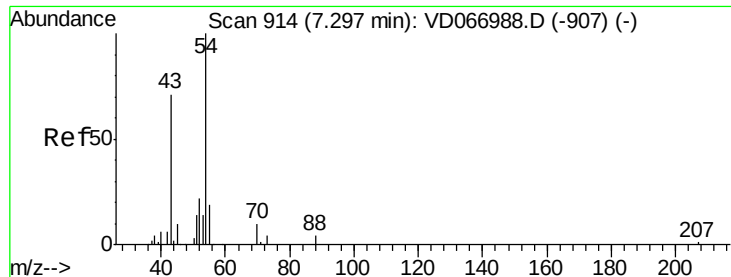
MMDadoda
 10/6/2020 12:55:04 PM



#36
 1,1-Dichloropropene
 Concen: 47.950 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	340653		
110	38.4	18.4	55.0	
77	30.6	24.8	37.2	





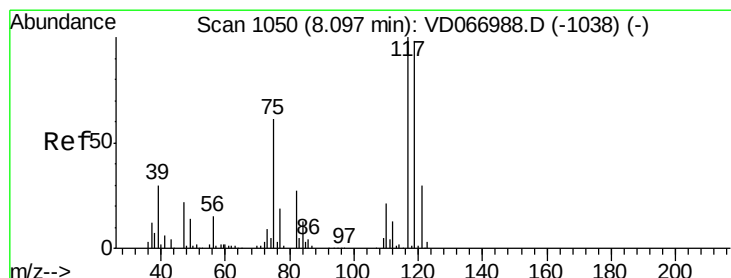
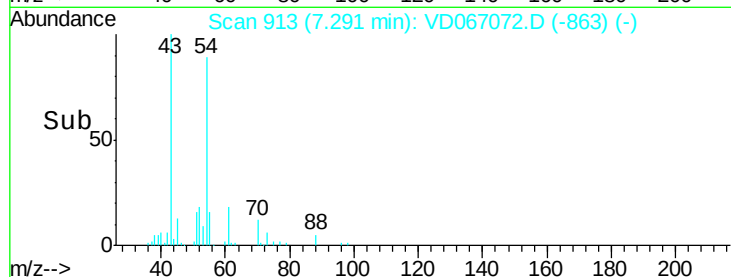
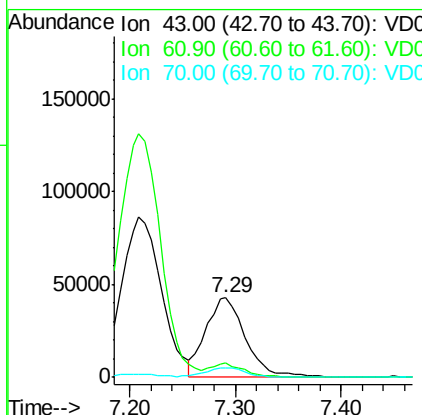
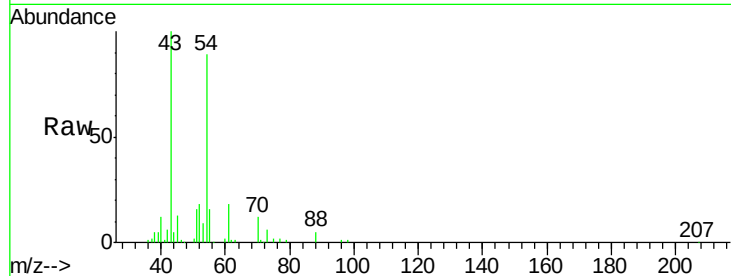
#37
Ethyl Acetate
Concen: 44.953 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.7	12.5	18.7	
70	12.6	9.4	14.0	

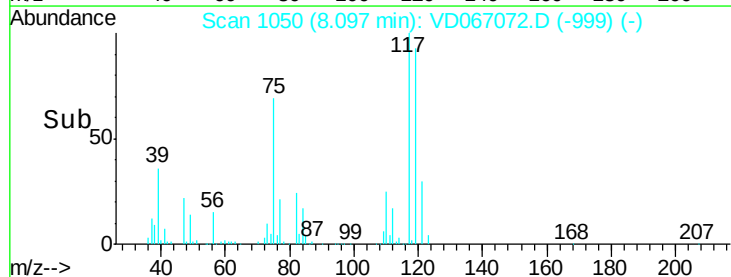
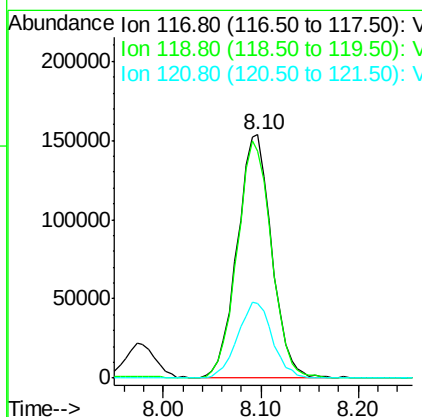
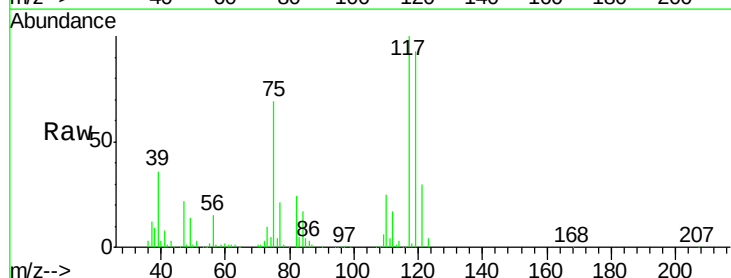
Manual Integrations
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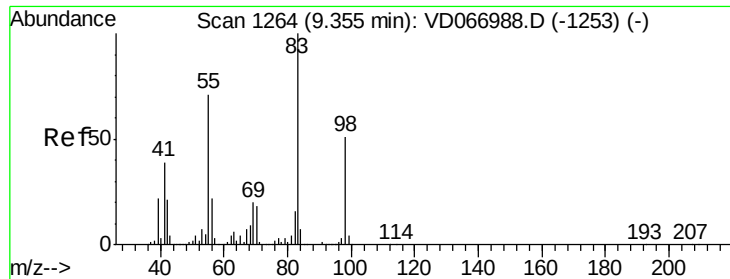
MMDadoda
10/6/2020 12:55:04 PM



#38
Carbon Tetrachloride
Concen: 48.969 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.2	78.7	118.1	
121	30.5	24.2	36.2	





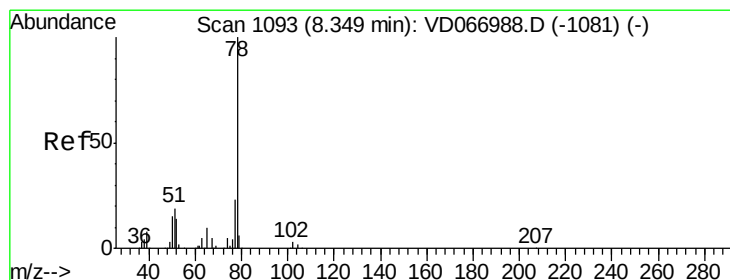
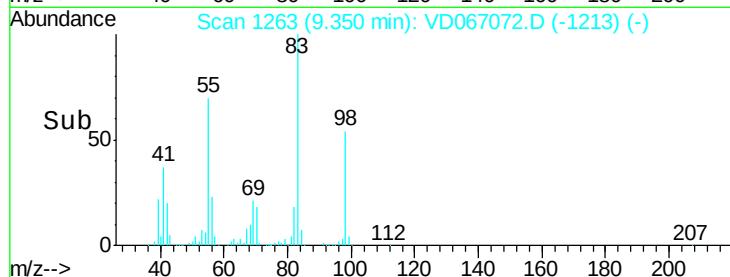
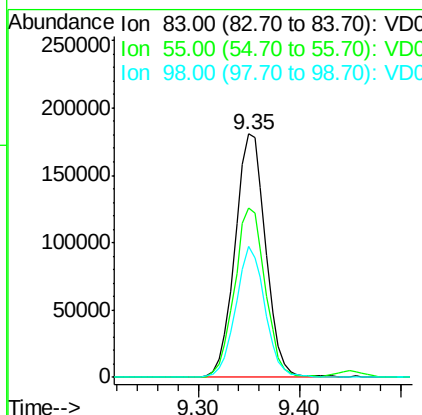
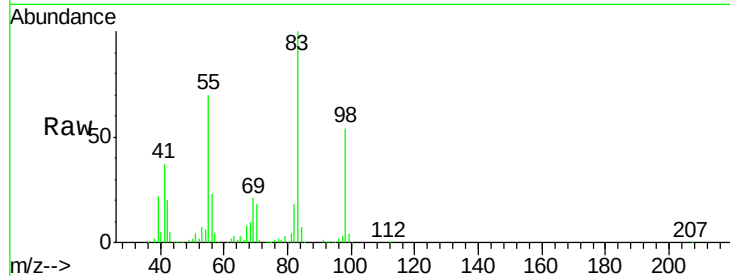
#39
Methylvlcyclohexane
Concen: 50.474 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.8	57.1	85.7
98	53.6	40.9	61.3

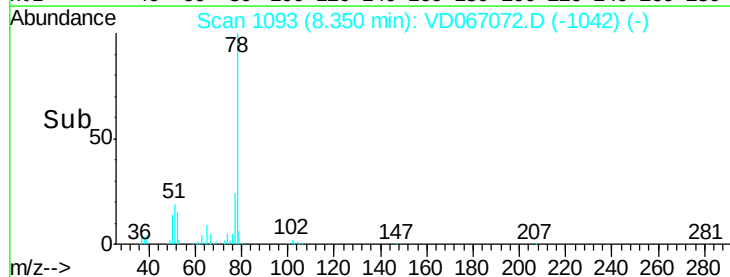
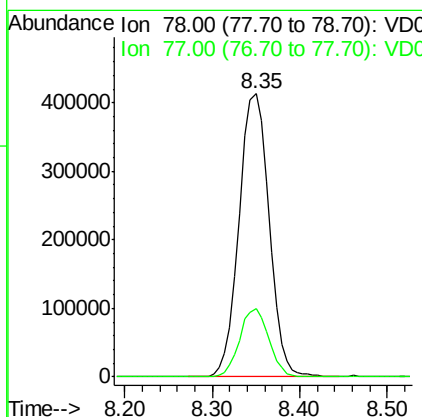
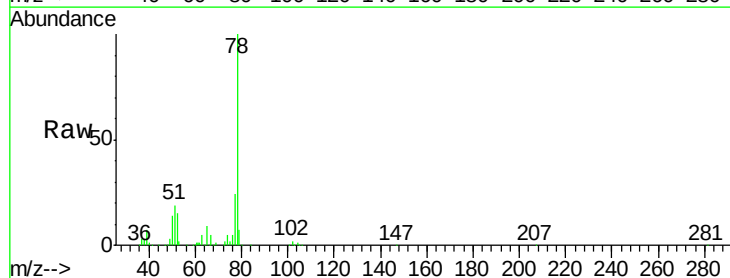
Manual Integrations
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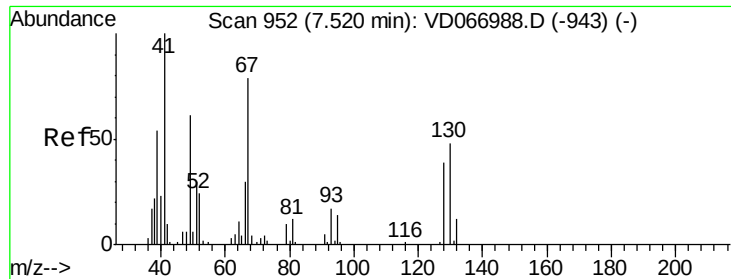
MMDadoda
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#40
Benzene
Concen: 48.759 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.4	27.6





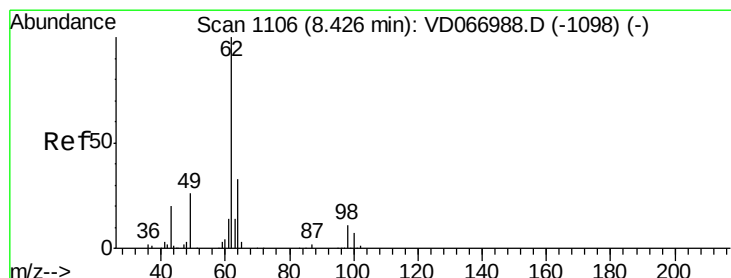
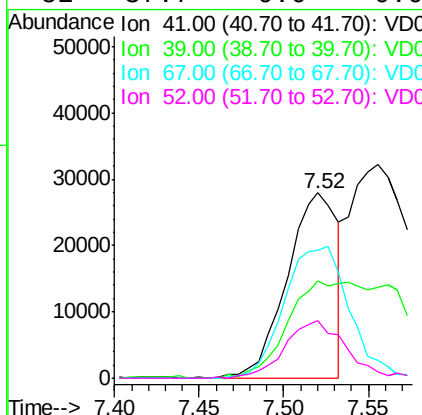
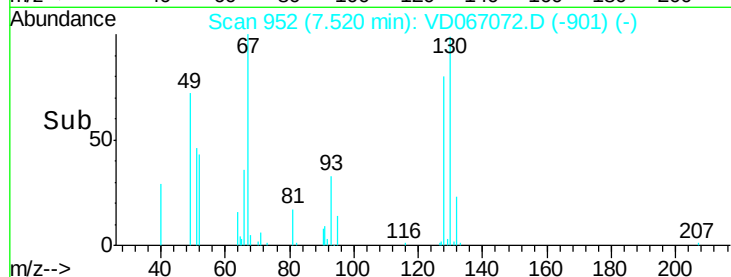
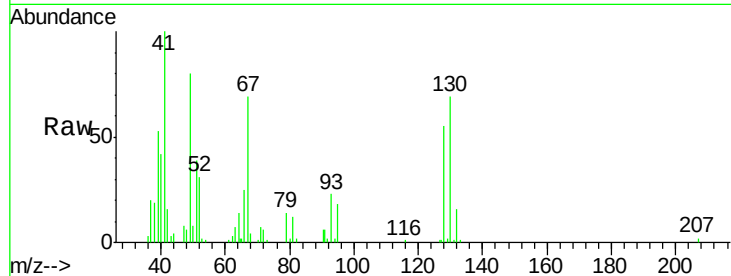
#41
Methacrylonitrile
Concen: 43.578 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		57942		
39	79.3	0.0	0.0#		
67	91.8	0.0	0.0#		
52	37.7	0.0	0.0#		

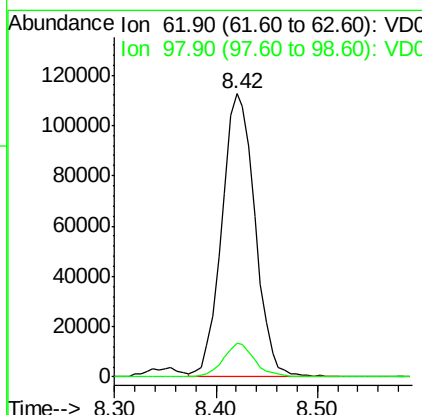
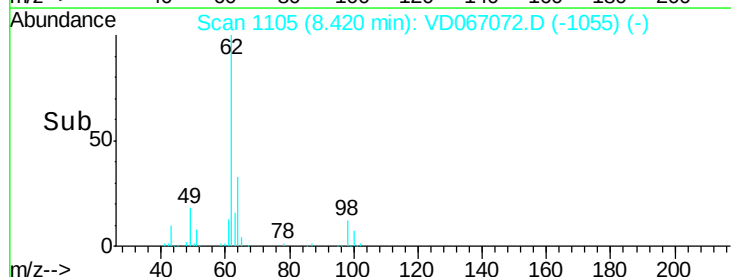
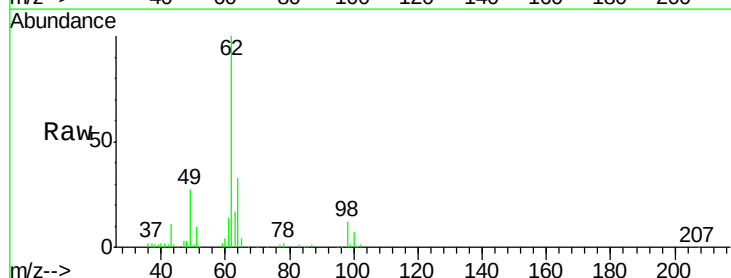
Manual Integrations
APPROVED

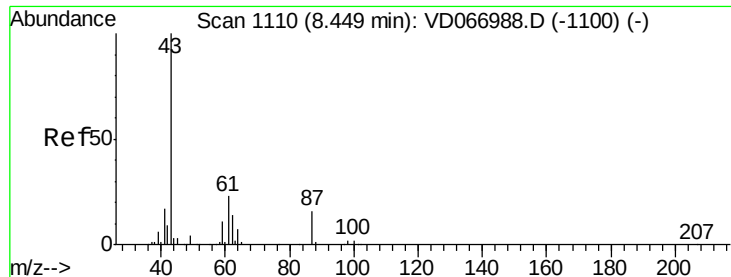
MMDadoda
10/6/2020 12:55:04 PM



#42
1,2-Dichloroethane
Concen: 46.024 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		253772		
98	11.3	0.0	22.6		





#43

Isopropyl Acetate

Concen: 45.204 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

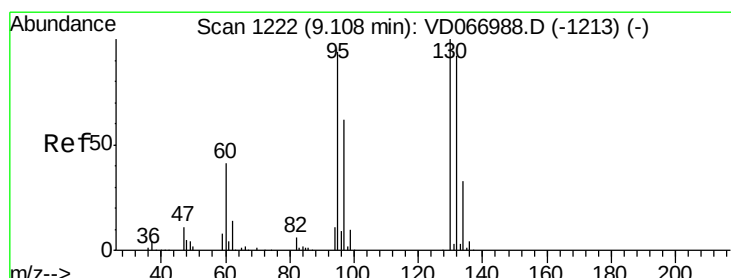
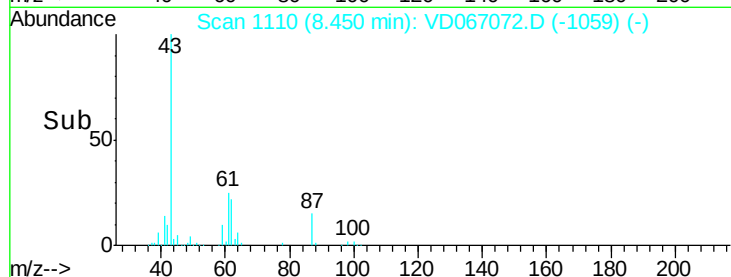
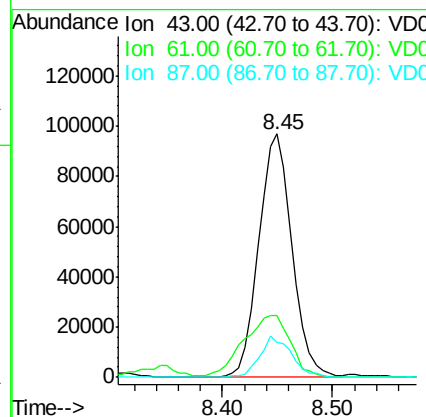
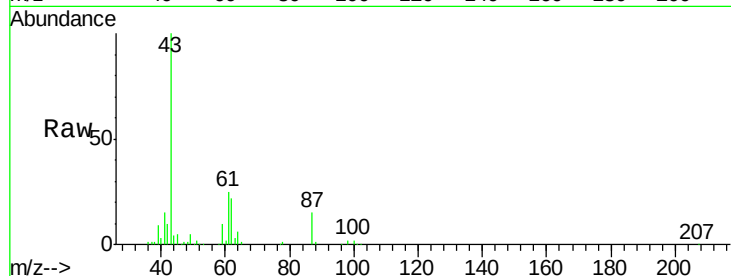
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	204949
Ion	Ratio	Lower	Upper
43	100		
61	36.0	27.1	40.7
87	16.3	12.3	18.5

Manual Integrations
APPROVED

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10/6/2020 12:55:04 PM



#44

Trichloroethene

Concen: 49.617 ug/l

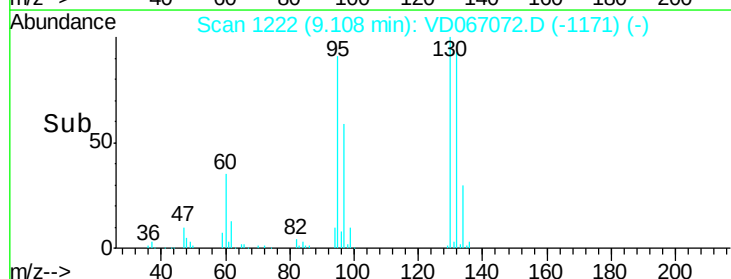
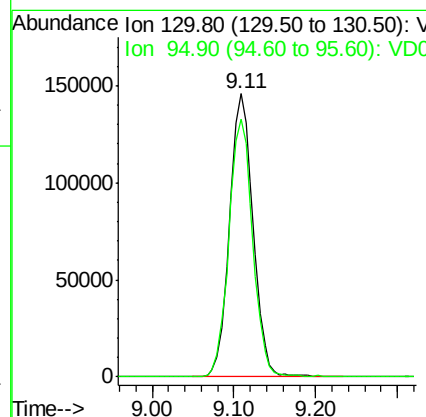
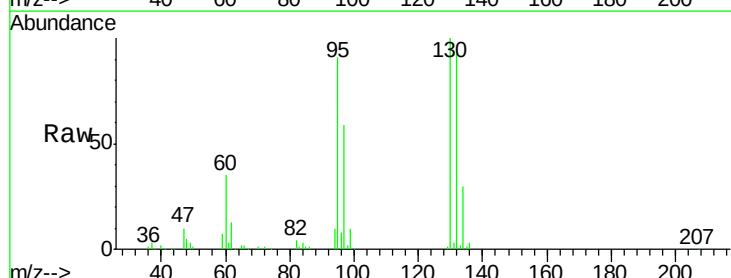
RT: 9.11 min Scan# 1222

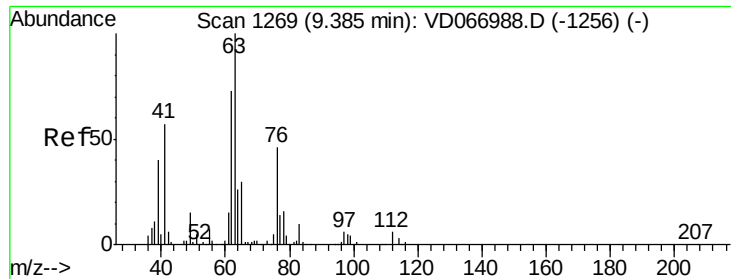
Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Tgt Ion:	130	Resp:	292360
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	187.8





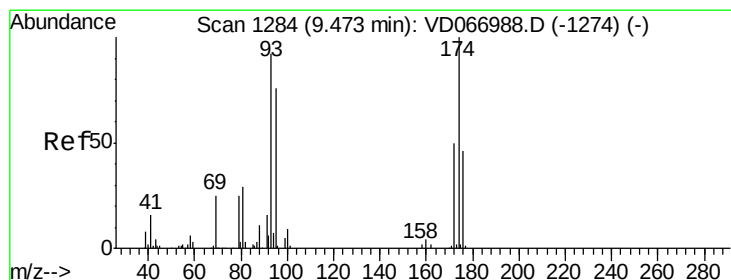
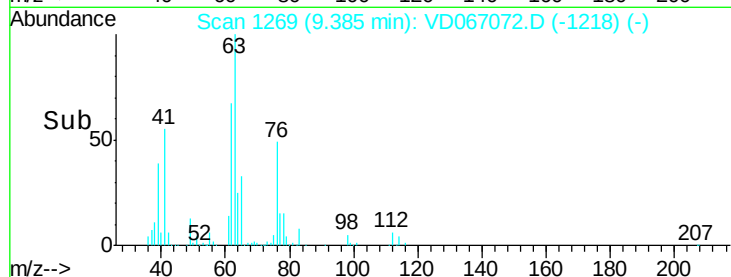
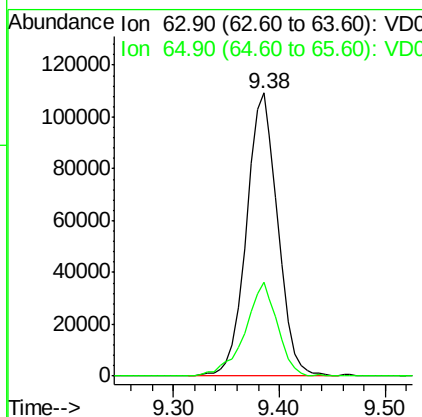
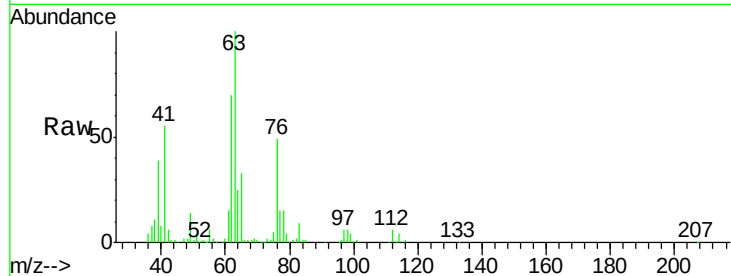
#45
 1,2-Dichloropropane
 Concen: 48.545 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	63	Resp	225076
Ion Ratio	Lower	Upper	
63	100		
65	33.2	23.7	35.5

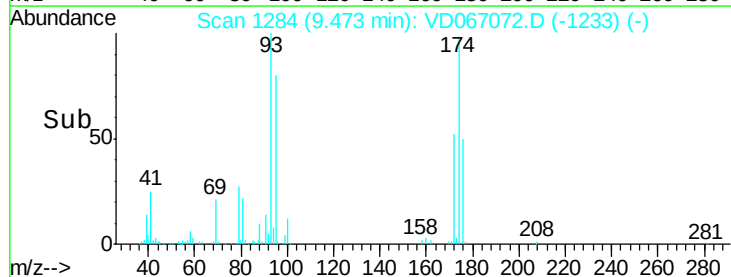
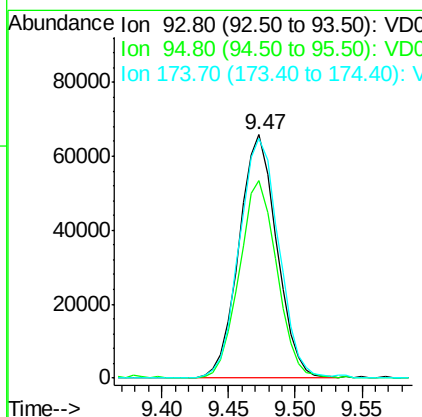
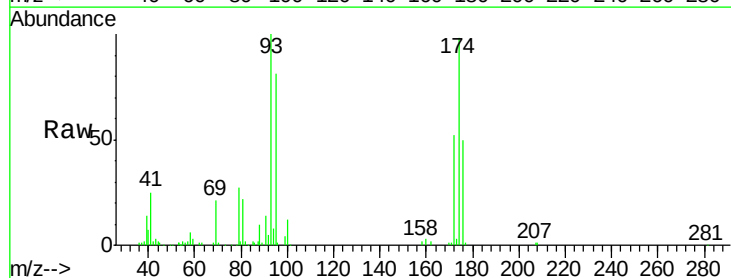
Manual Integrations
 APPROVED

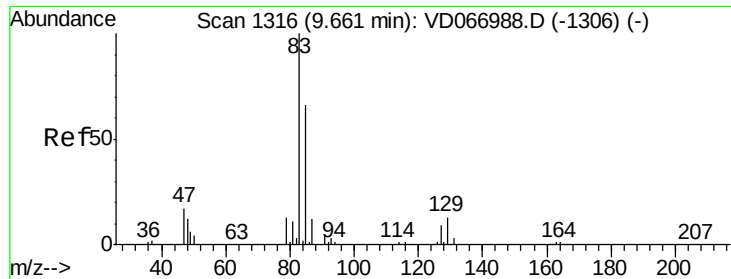
MMDadoda
 10/6/2020 12:55:04 PM



#46
 Dibromomethane
 Concen: 48.559 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion	93	Resp	129399
Ion Ratio	Lower	Upper	
93	100		
95	80.7	64.7	97.1
174	103.0	81.4	122.2





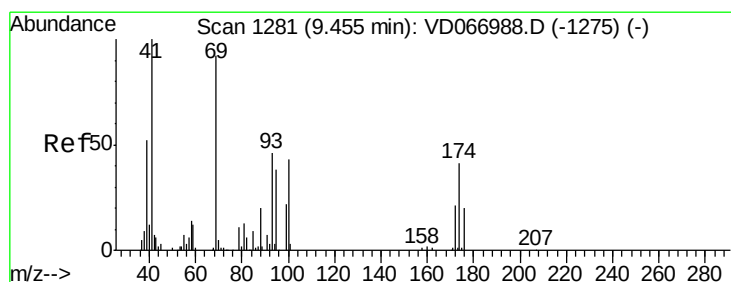
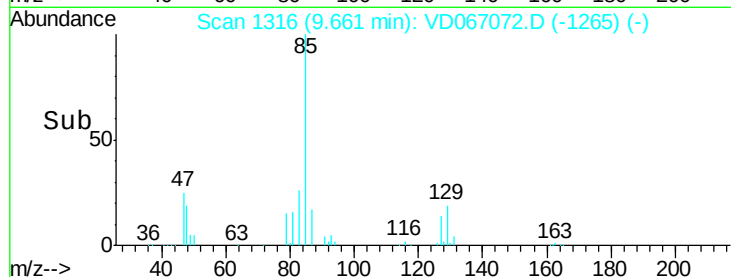
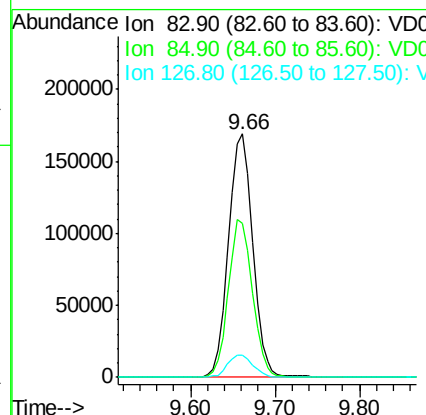
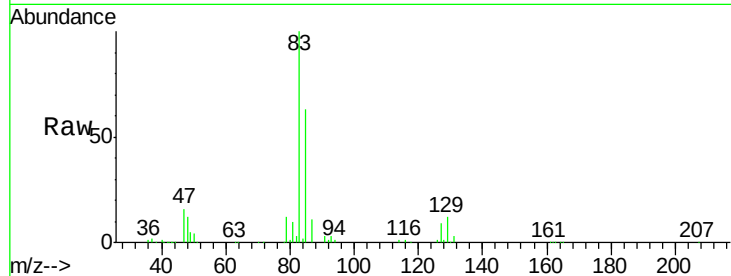
#47
Bromodichloromethane
Concen: 48.450 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	335612
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	52.9	79.3
127	9.0	7.3	10.9

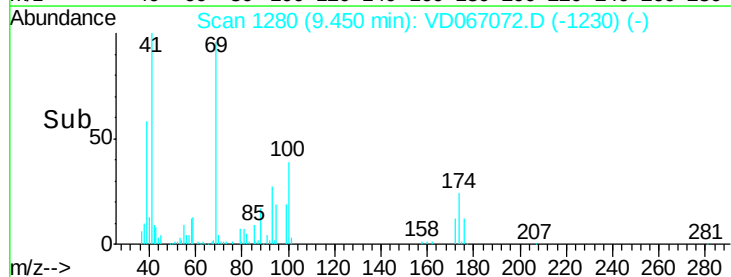
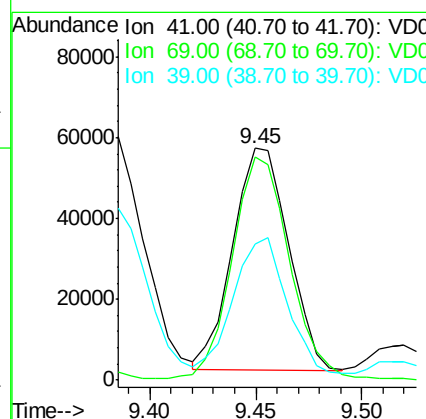
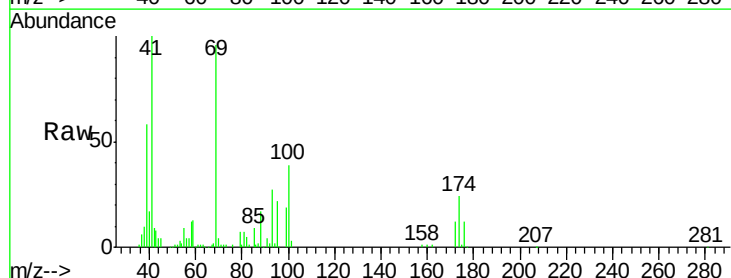
Manual Integrations
APPROVED

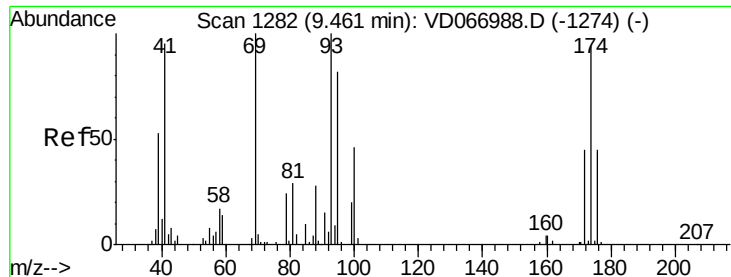
MMDadoda
10/6/2020 12:55:04 PM



#48
Methyl methacrylate
Concen: 43.276 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion	41	Resp	100522
Ion Ratio	100	Lower	Upper
41	100		
69	103.3	68.5	102.7#
39	58.4	40.2	60.2





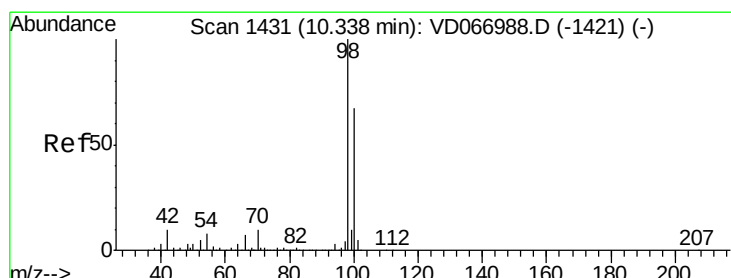
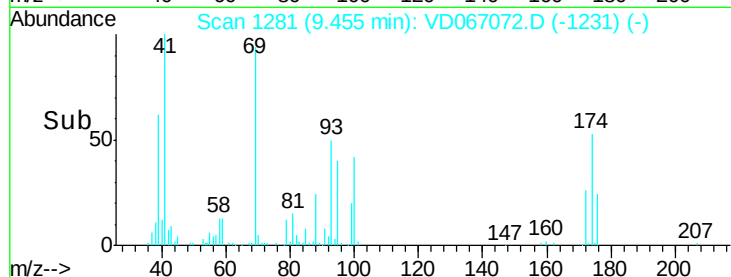
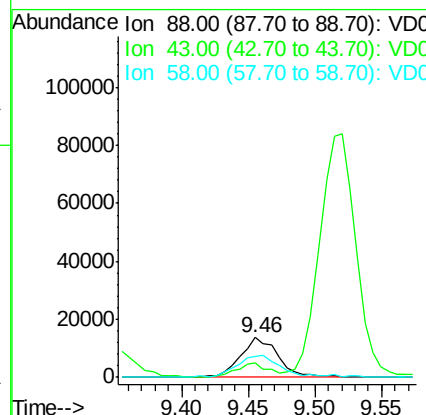
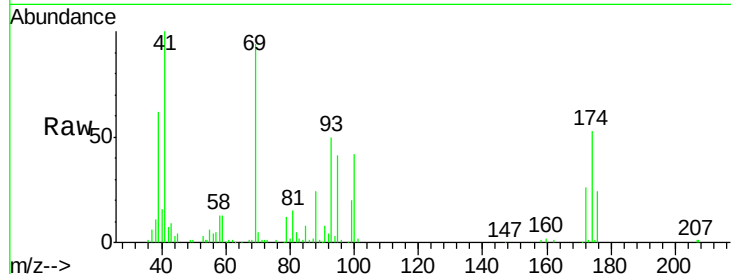
#49
1,4-Dioxane
Concen: 976.099 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 27147
Ion Ratio Lower Upper
88 100
43 30.7 25.6 38.4
58 68.0 53.5 80.3

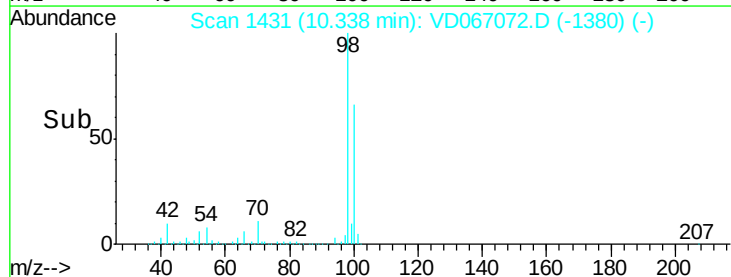
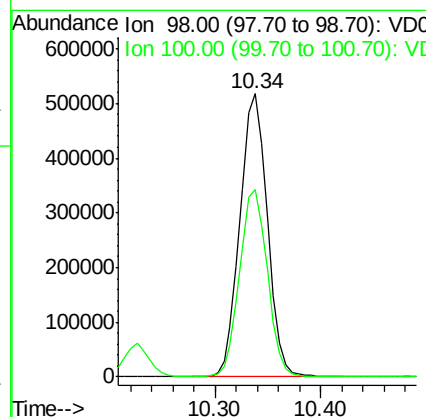
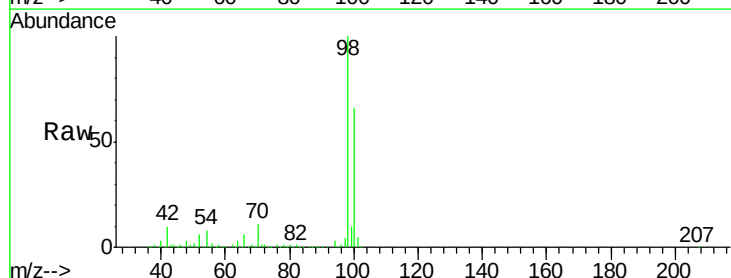
Manual Integrations
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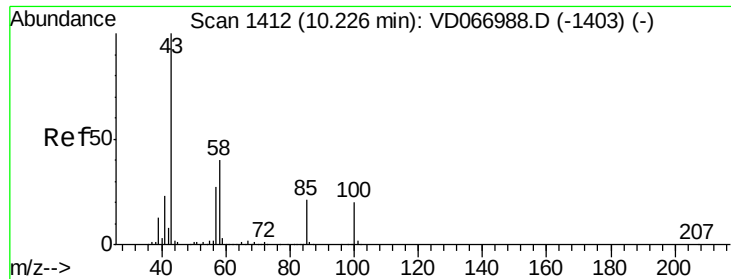
MMDadoda
10/6/2020 12:55:04 PM



#50
Toluene-d8
Concen: 51.332 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion: 98 Resp: 933331
Ion Ratio Lower Upper
98 100
100 67.2 52.8 79.2





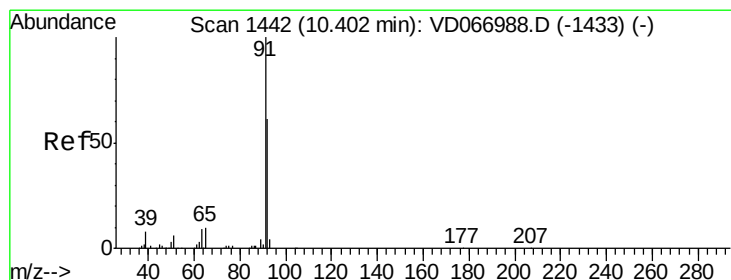
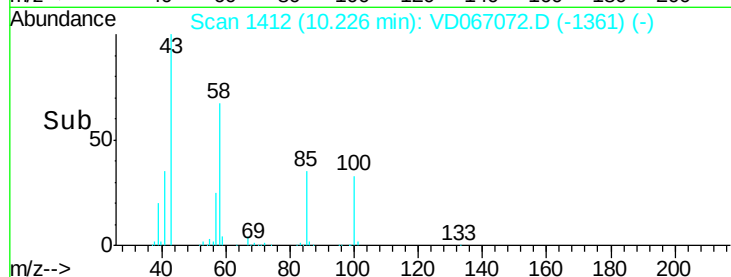
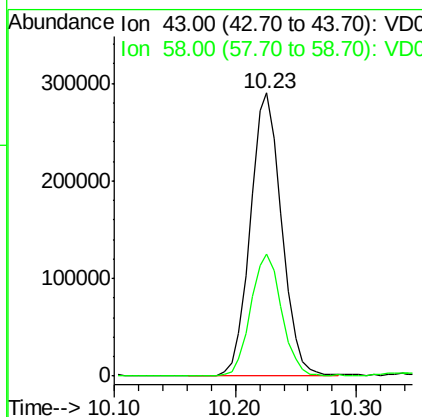
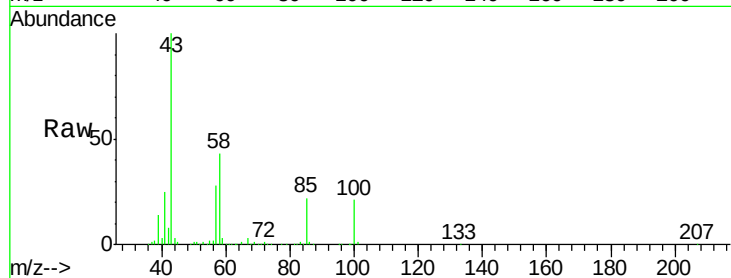
#51
4-Methyl-2-Pentanone
Concen: 231.943 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 523804
Ion Ratio Lower Upper
43 100
58 42.9 33.8 50.8

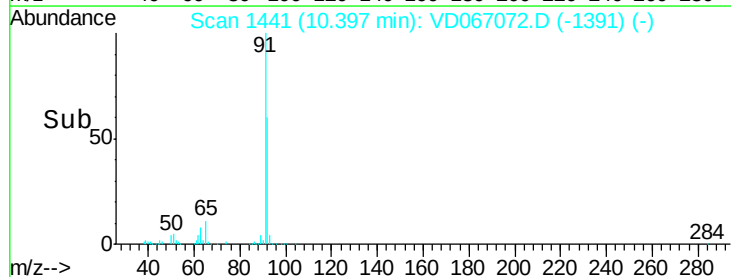
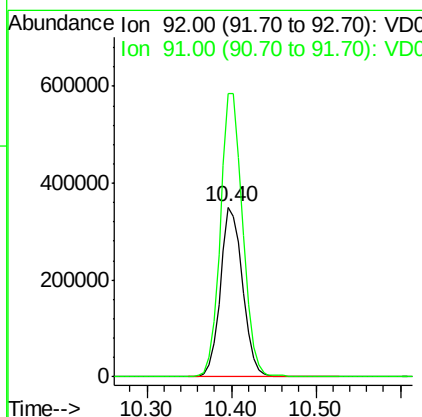
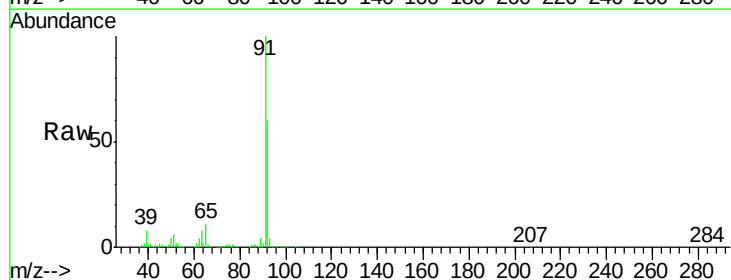
Manual Integrations
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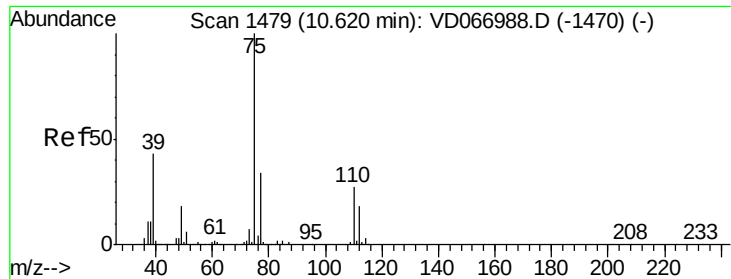
MMDadoda
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#52
Toluene
Concen: 50.054 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion: 92 Resp: 636239
Ion Ratio Lower Upper
92 100
91 168.9 135.1 202.7





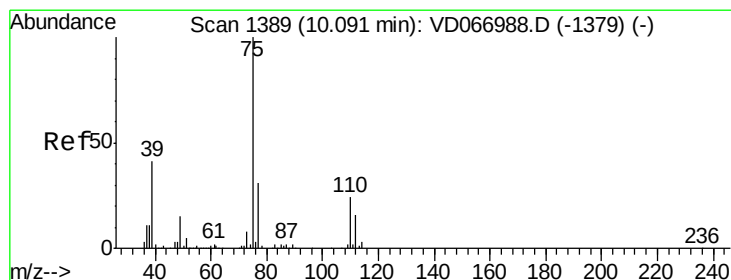
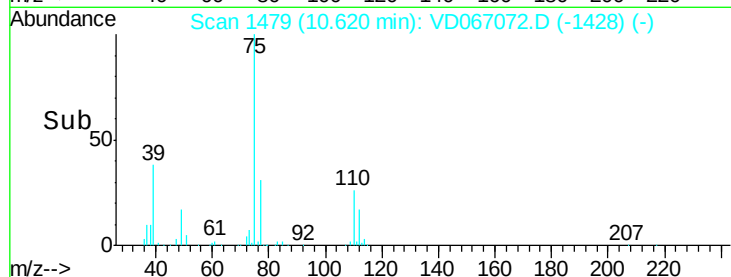
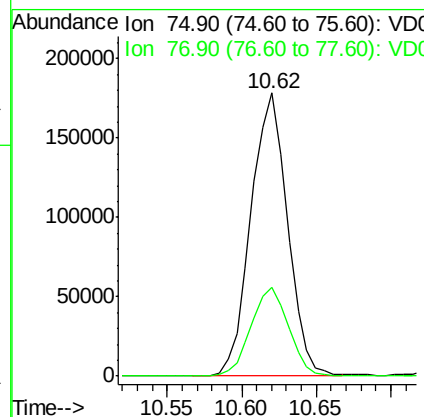
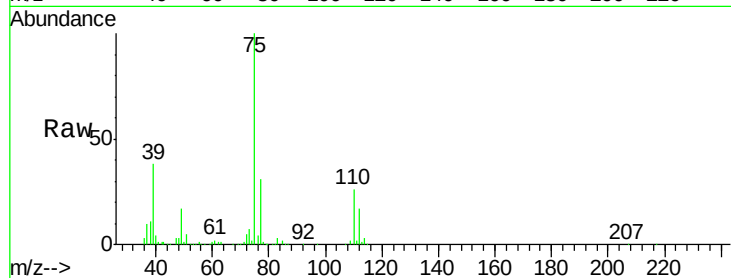
#53
 t-1,3-Dichloropropene
 Concen: 48.907 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 302772
 Ion Ratio Lower Upper
 75 100
 77 31.2 27.1 40.7

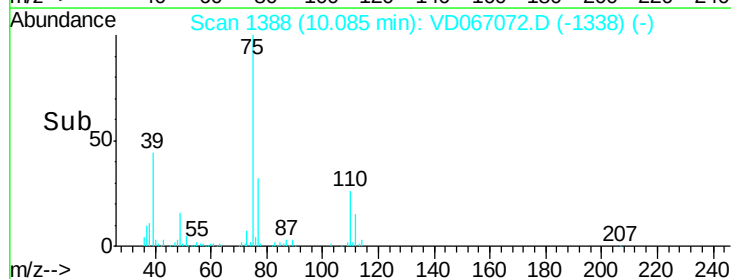
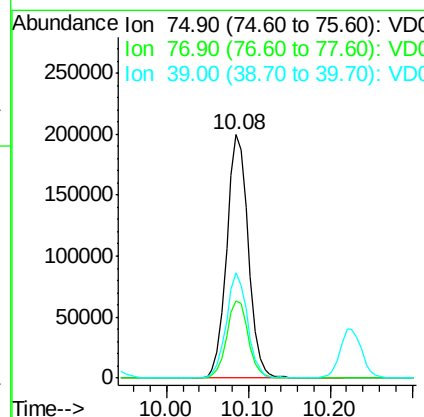
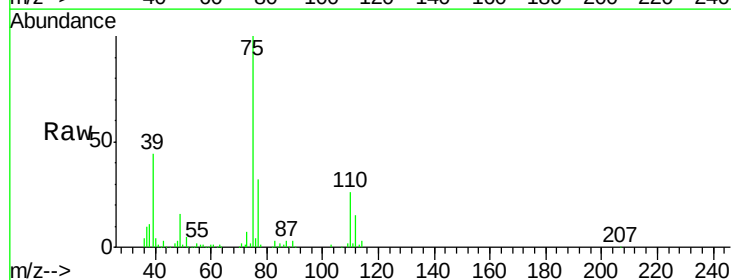
Manual Integrations
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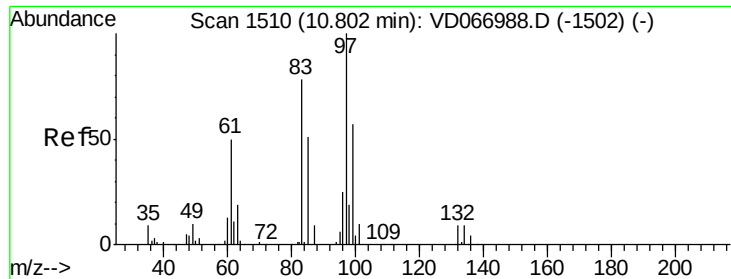
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#54
 cis-1,3-Dichloropropene
 Concen: 48.589 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion: 75 Resp: 367320
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.6 37.0
 39 43.2 33.0 49.4





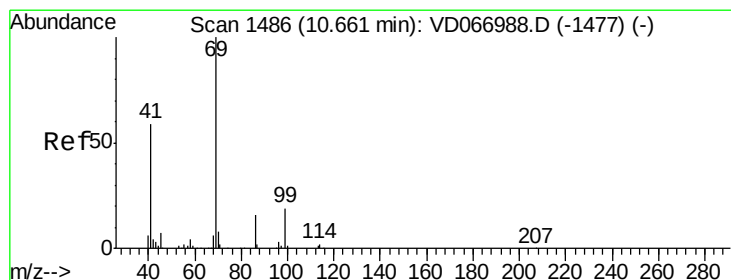
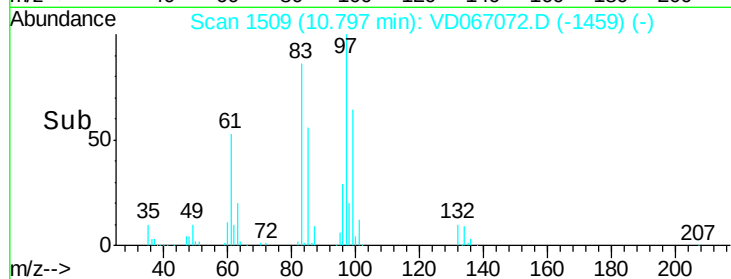
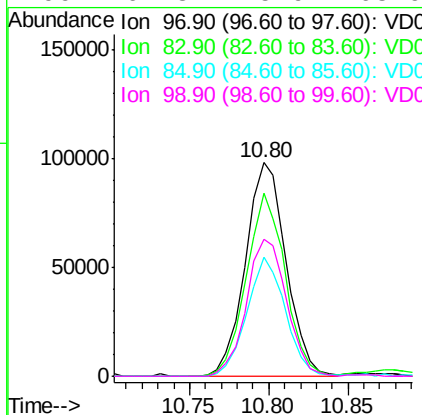
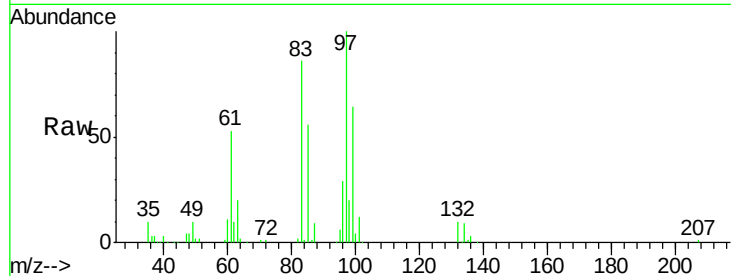
#55
 1,1,2-Trichloroethane
 Concen: 47.108 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	174528
Ion	Ratio	Lower	Upper
97	100		
83	85.9	62.4	93.6
85	55.8	41.0	61.4
99	64.3	45.9	68.9

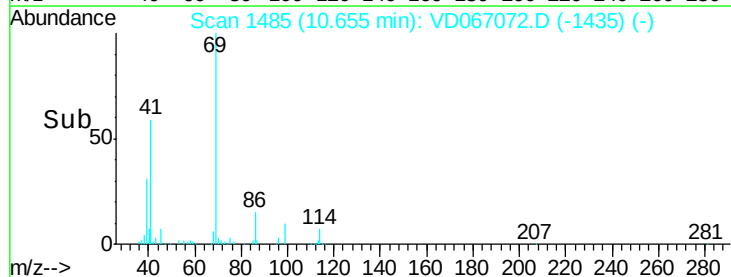
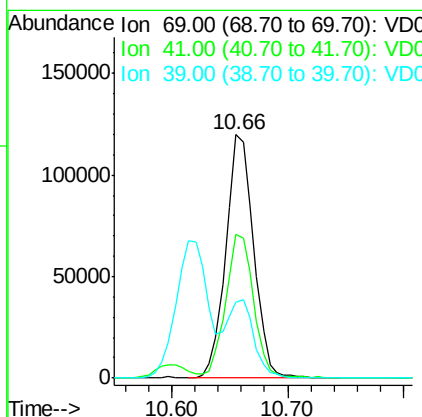
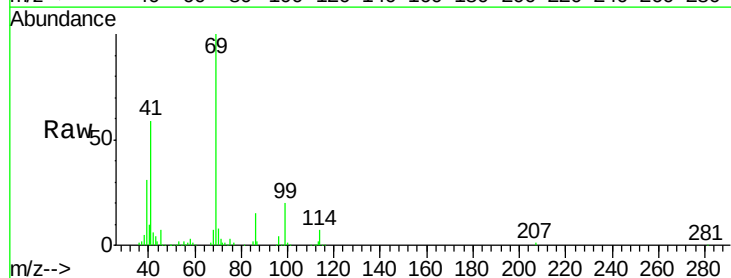
Manual Integrations
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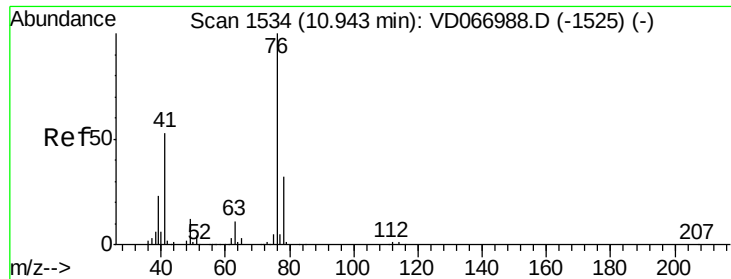
MMDadoda
 10/6/2020 12:55:04 PM



#56
 Ethyl methacrylate
 Concen: 52.103 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion:	69	Resp:	199295
Ion	Ratio	Lower	Upper
69	100		
41	59.7	46.4	69.6
39	29.3	23.8	35.6





#57

1,3-Dichloropropane

Concen: 47.812 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 287246

Ion Ratio Lower Upper

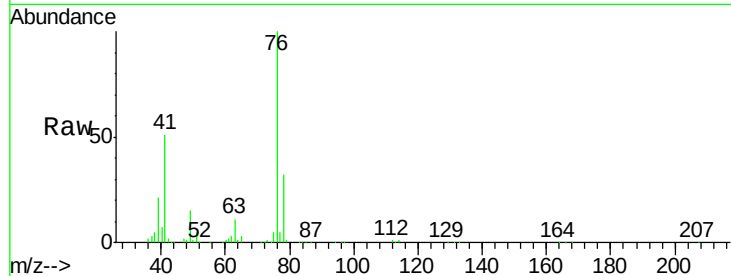
76 100

78 32.8 25.8 38.8

Manual Integrations
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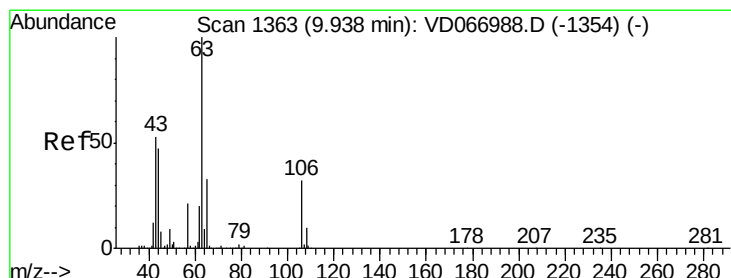
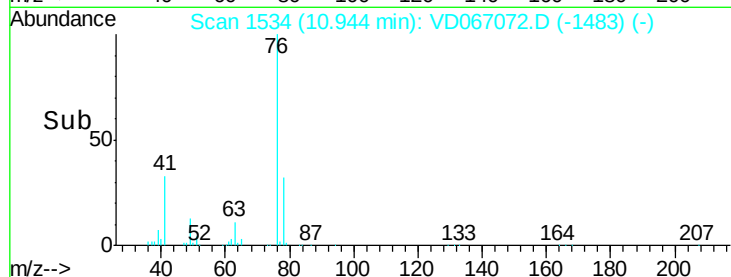
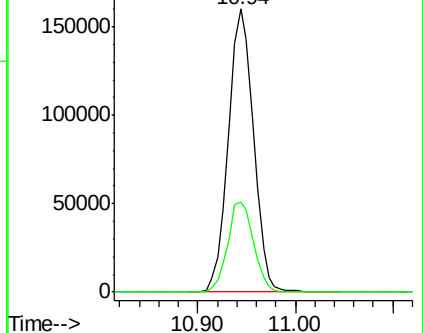
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 265.276 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD067072.D

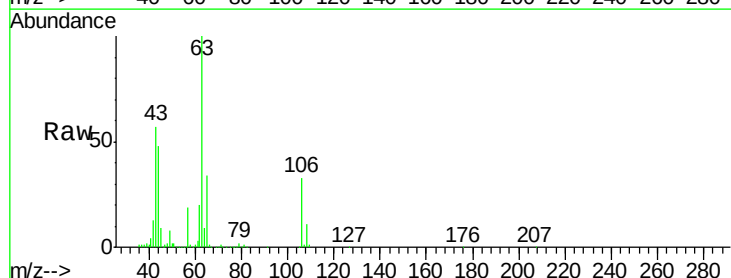
Acq: 05 Oct 2020 09:48

Tgt Ion: 63 Resp: 564759

Ion Ratio Lower Upper

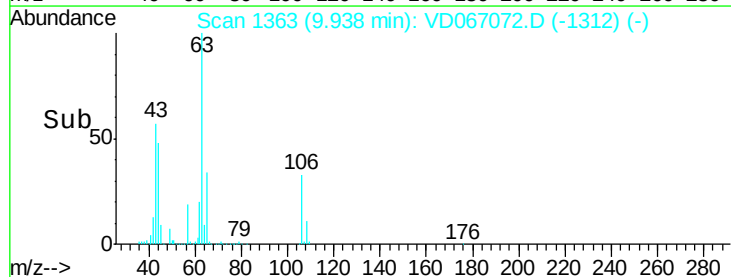
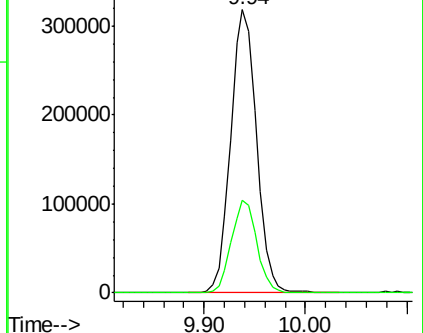
63 100

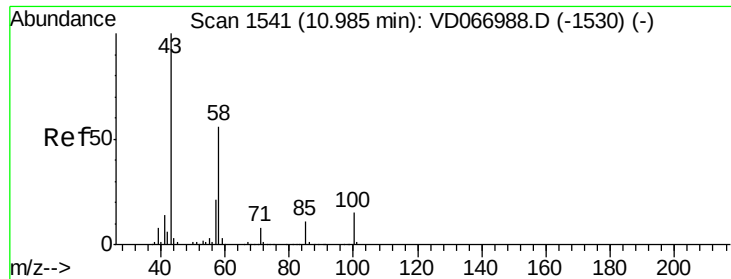
106 32.4 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





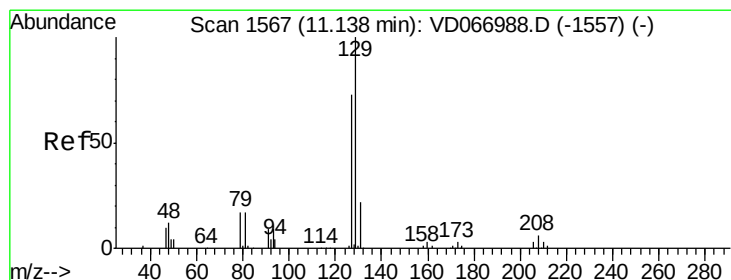
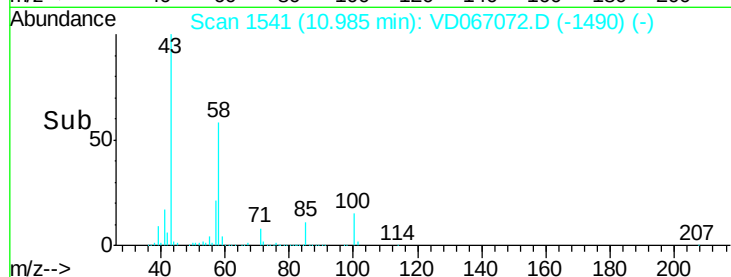
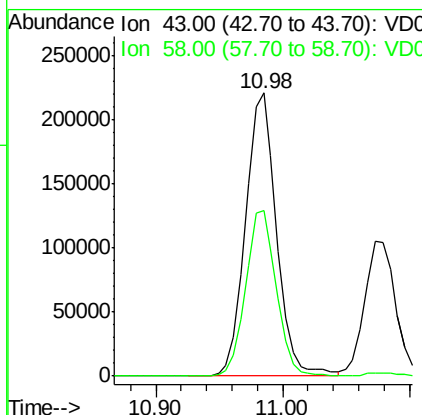
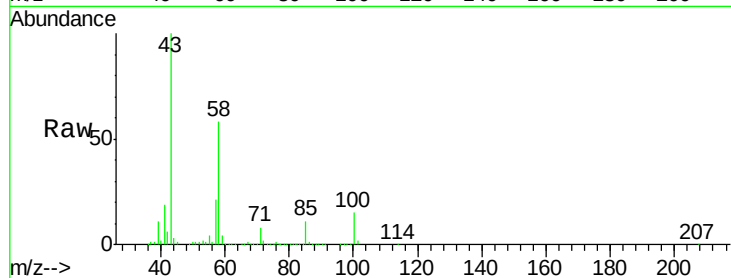
#59
2-Hexanone
Concen: 249.397 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 375918
Ion Ratio Lower Upper
43 100
58 57.6 28.3 84.9

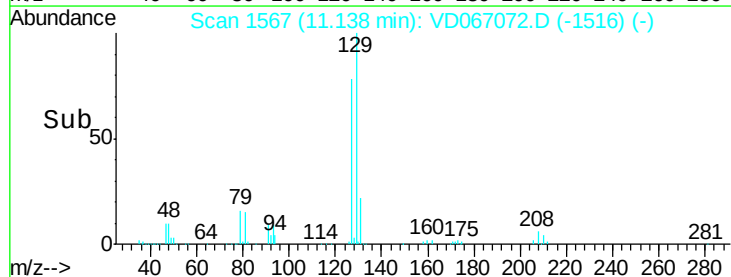
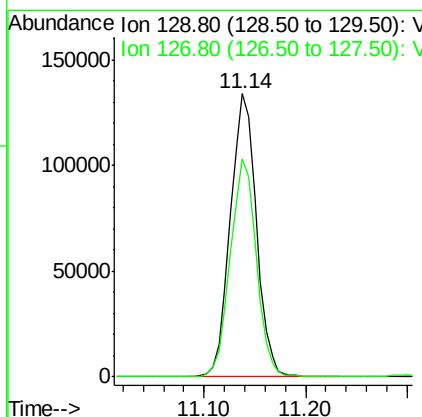
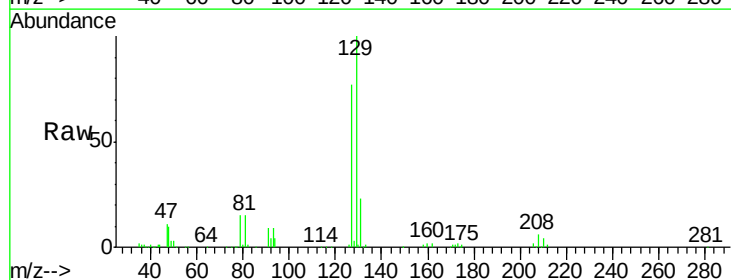
Manual Integrations
APPROVED

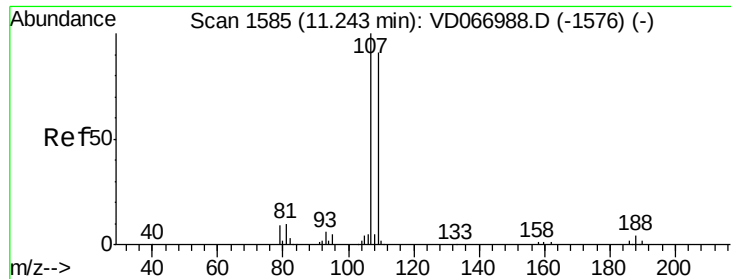
MMDadoda
10/6/2020 12:55:04 PM



#60
Dibromochloromethane
Concen: 48.311 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion: 129 Resp: 238555
Ion Ratio Lower Upper
129 100
127 77.3 37.4 112.1





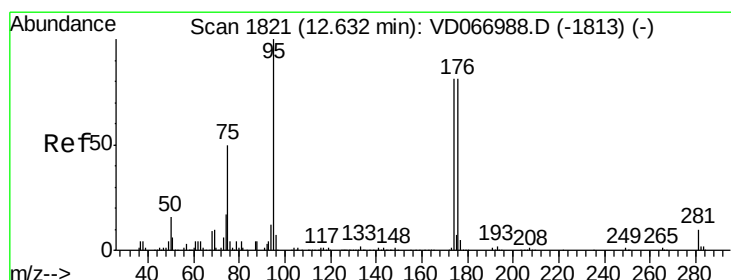
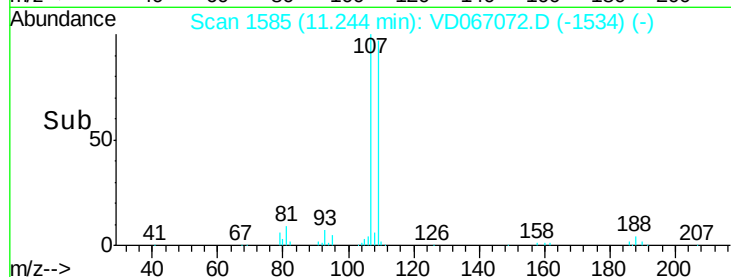
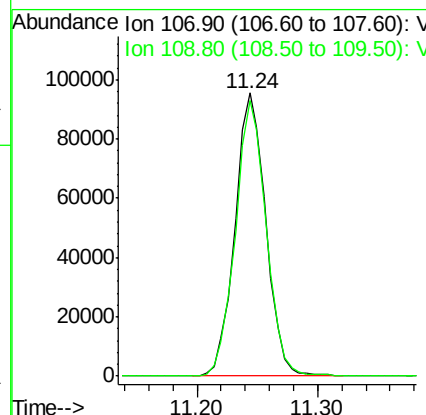
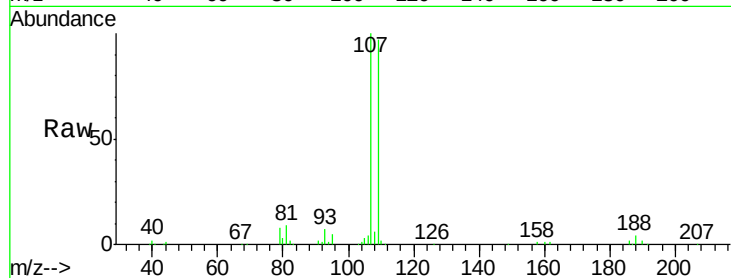
#61
 1,2-Dibromoethane
 Concen: 47.596 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.5	74.0	111.0

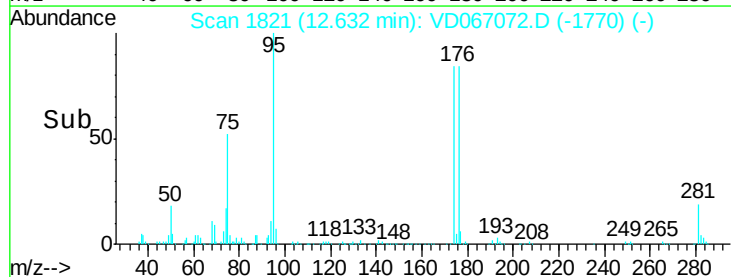
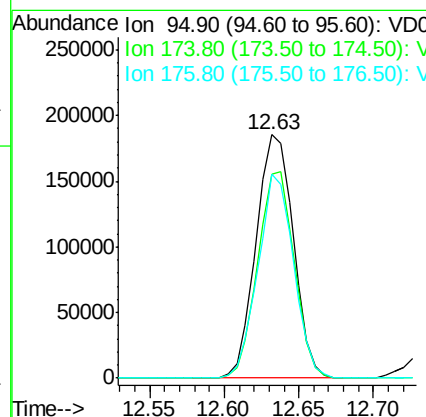
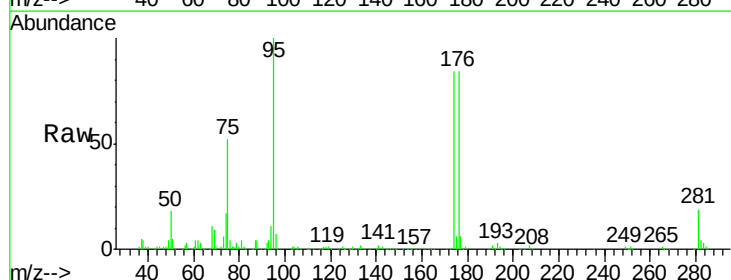
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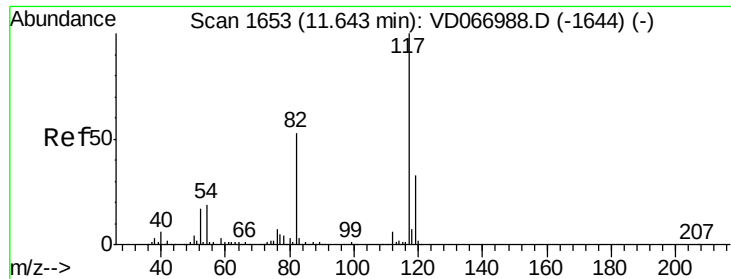
MMDadoda
 10/6/2020 12:55:04 PM



#62
 4-Bromofluorobenzene
 Concen: 51.802 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	167.6
176	80.1	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: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

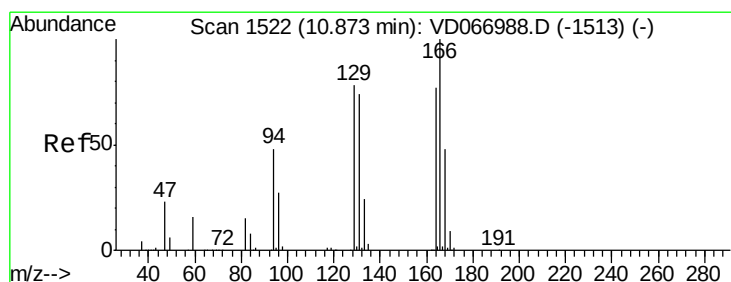
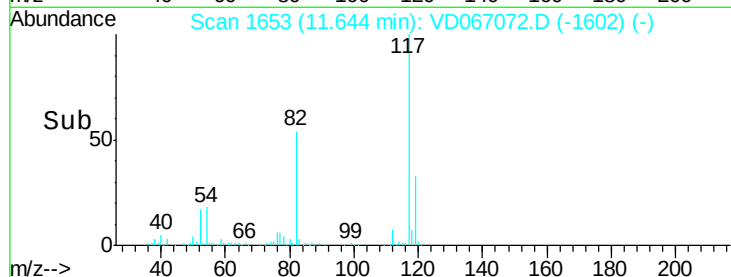
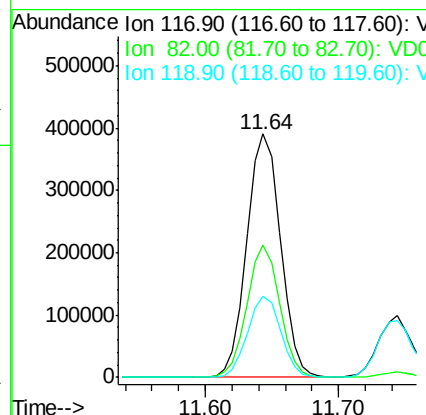
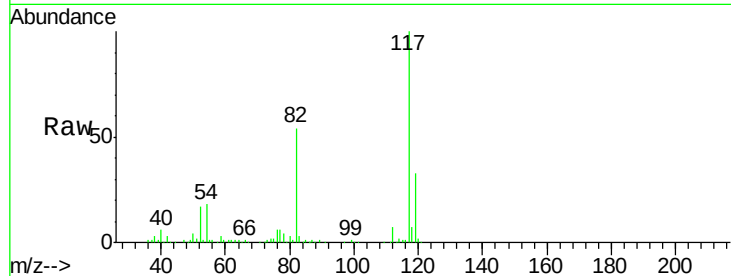
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	682013
Ion Ratio	Lower	Upper	
117	100		
82	54.3	42.6	63.8
119	33.4	26.3	39.5

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#64

Tetrachloroethene

Concen: 49.321 ug/l

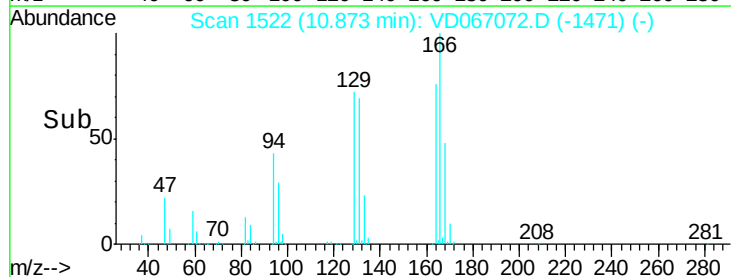
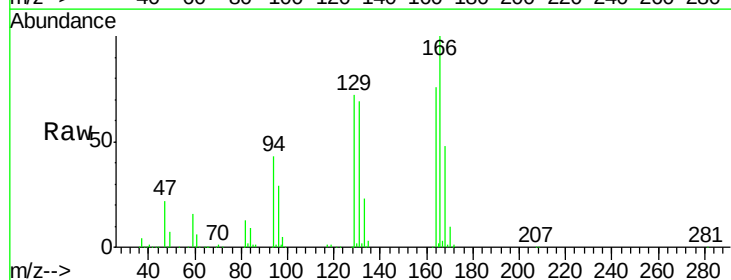
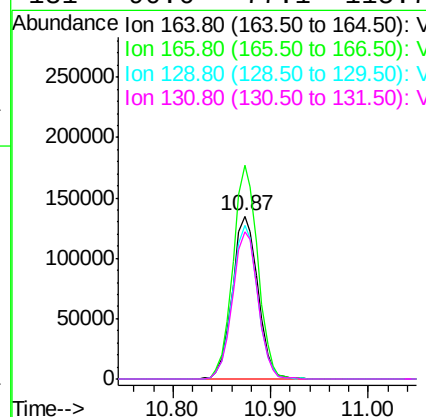
RT: 10.87 min Scan# 1522

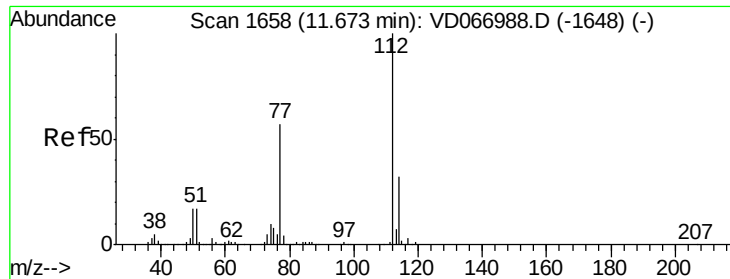
Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Tgt Ion:	164	Resp:	244543
Ion Ratio	Lower	Upper	
164	100		
166	131.0	104.4	156.6
129	94.3	81.3	121.9
131	90.6	77.1	115.7





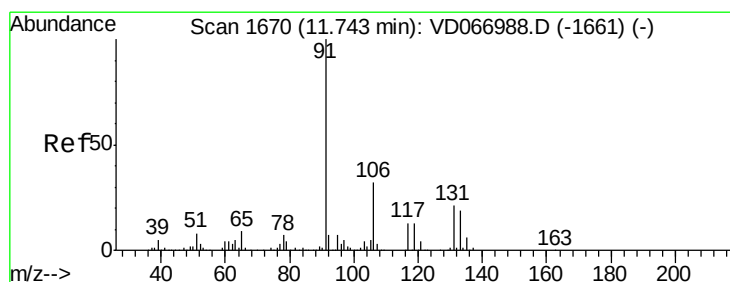
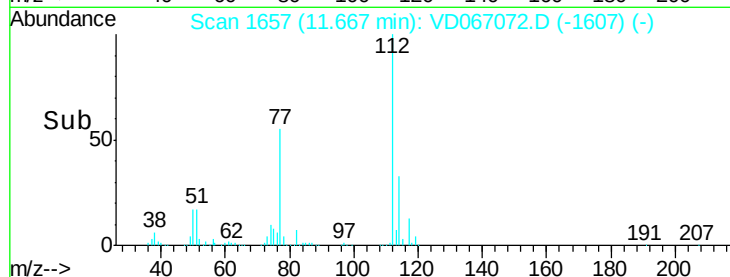
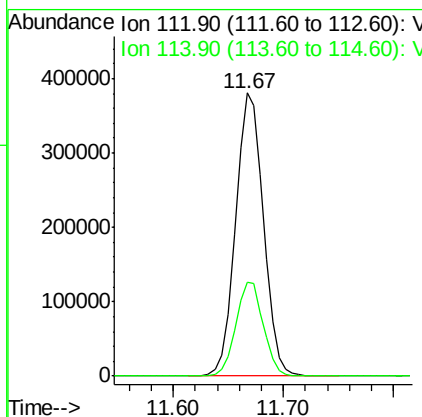
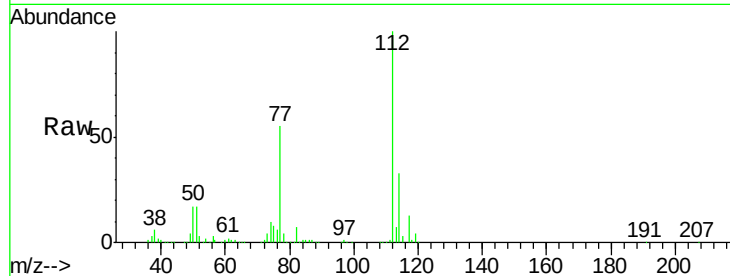
#65
Chlorobenzene
Concen: 49.558 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 672222
Ion Ratio Lower Upper
112 100
114 33.0 25.4 38.0

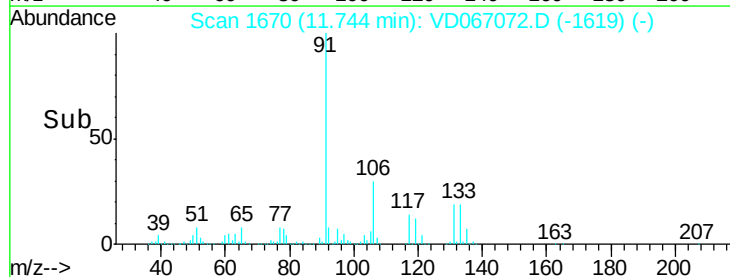
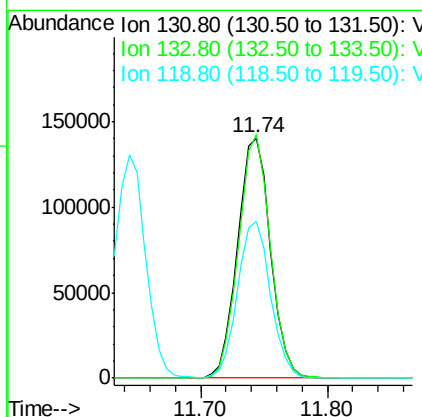
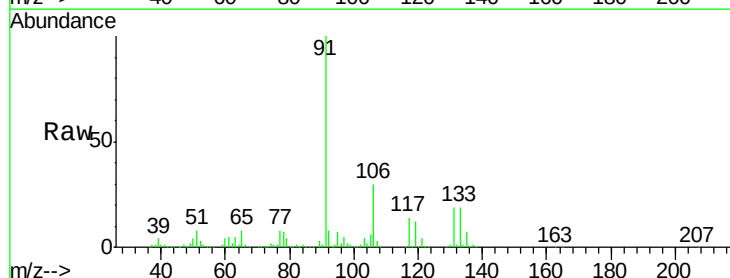
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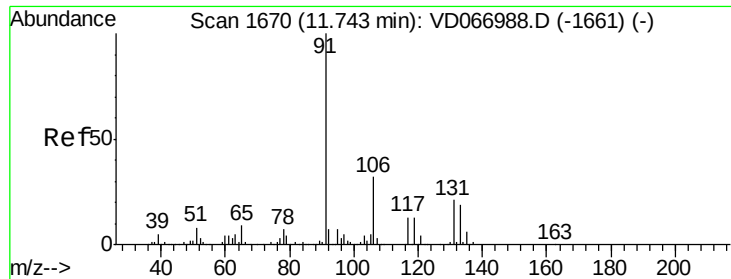
MMDadoda
10/6/2020 12:55:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.983 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion:131 Resp: 252736
Ion Ratio Lower Upper
131 100
133 97.8 47.8 143.3
119 65.3 32.3 96.8





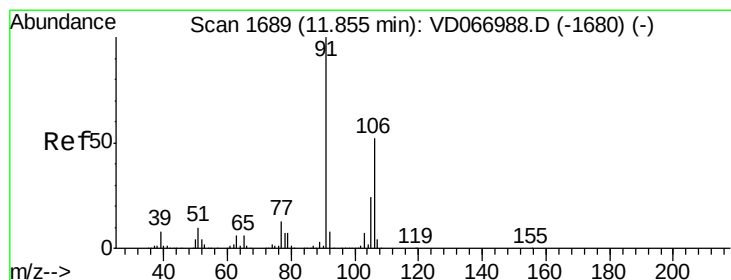
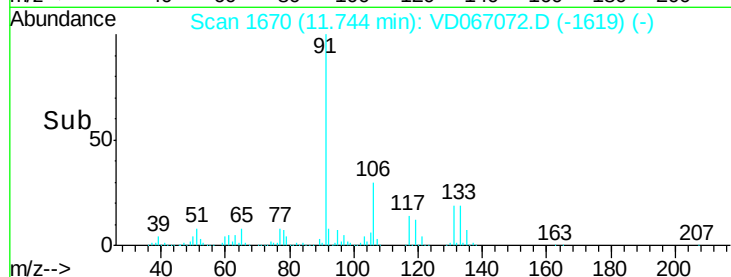
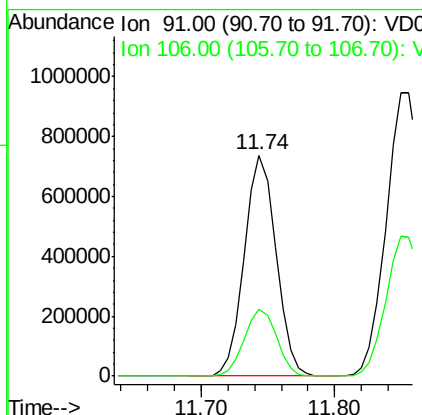
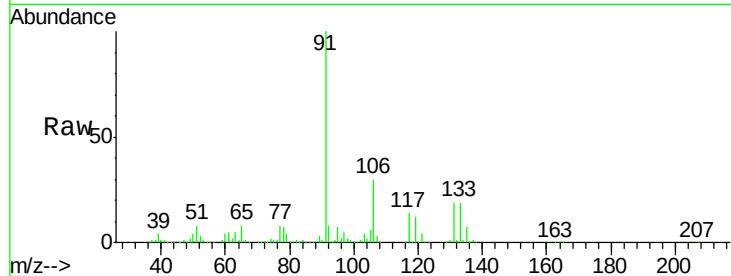
#67
Ethyl Benzene
Concen: 52.111 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1211124
Ion Ratio Lower Upper
91 100
106 30.2 25.4 38.2

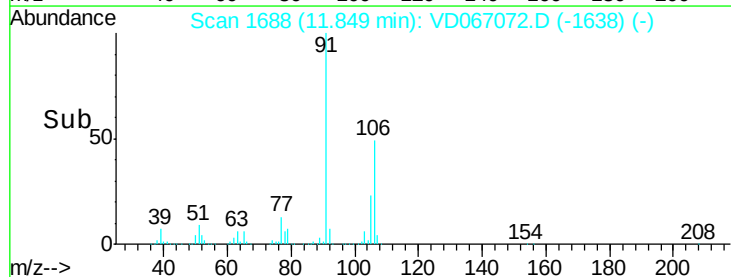
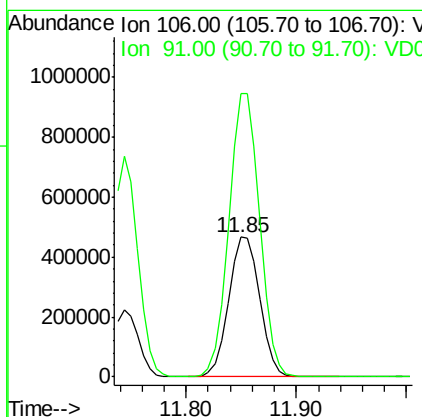
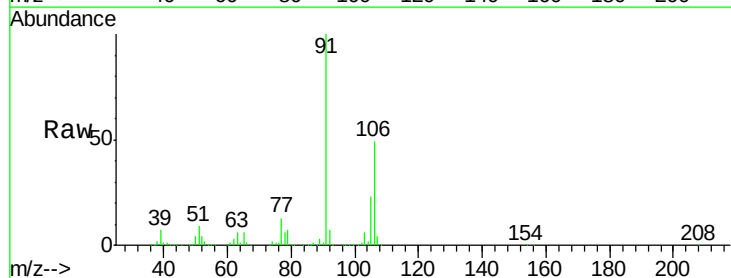
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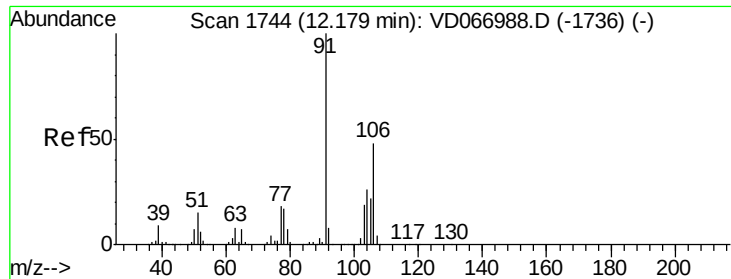
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10/6/2020 12:55:04 PM



#68
m/p-Xylenes
Concen: 101.764 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion: 106 Resp: 921717
Ion Ratio Lower Upper
106 100
91 200.4 158.4 237.6





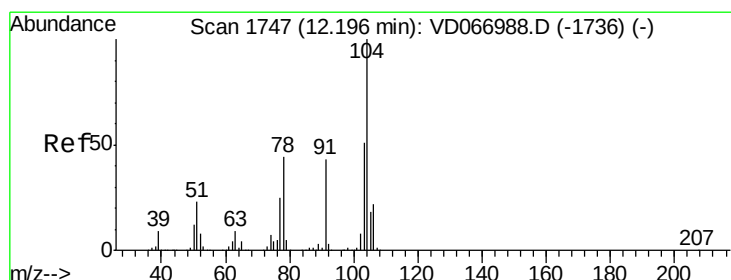
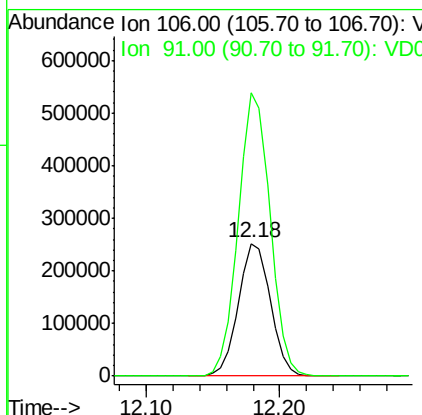
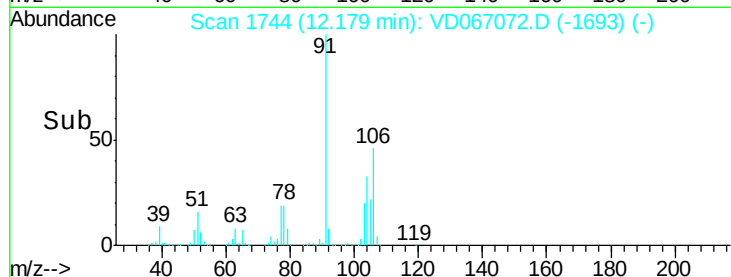
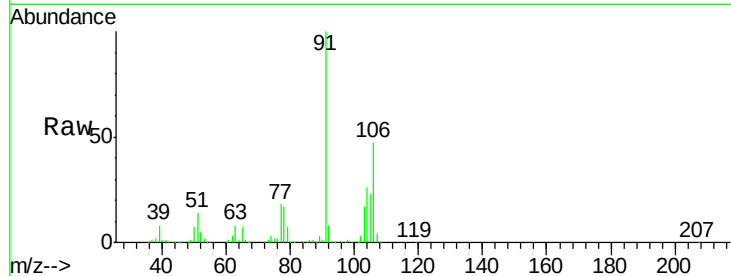
#69
o-Xylene
Concen: 51.773 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 419343
Ion Ratio Lower Upper
106 100
91 211.9 102.4 307.2

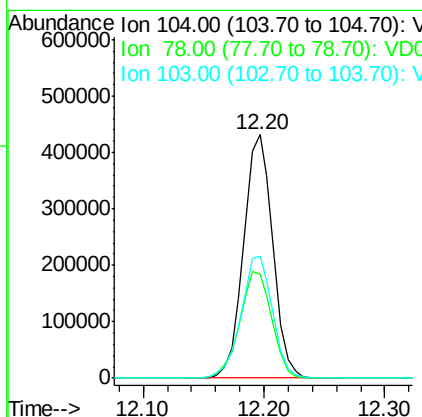
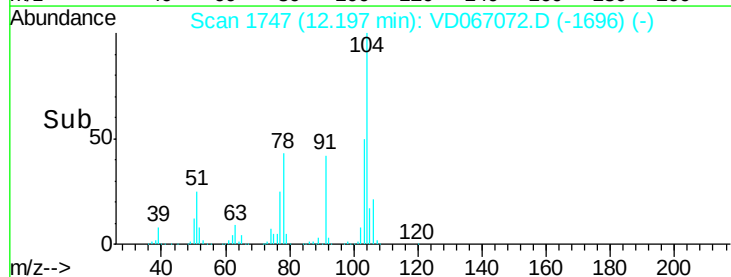
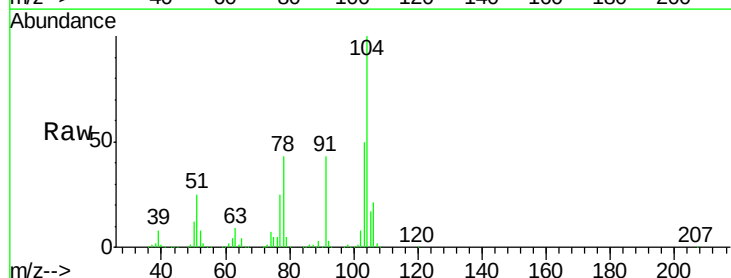
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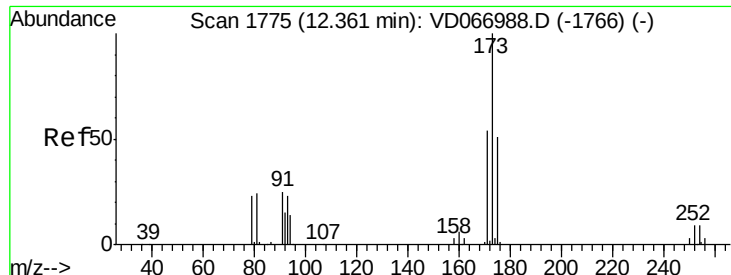
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#70
Styrene
Concen: 52.197 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion:104 Resp: 725973
Ion Ratio Lower Upper
104 100
78 48.0 38.6 58.0
103 53.9 43.4 65.0





#71

Bromoform

Concen: 49.014 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 131274

Ion Ratio Lower Upper

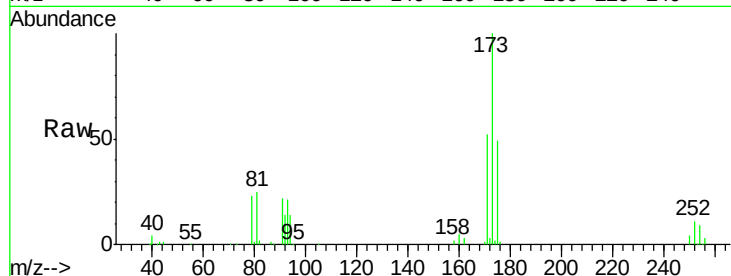
173 100

175 47.0 24.9 74.7

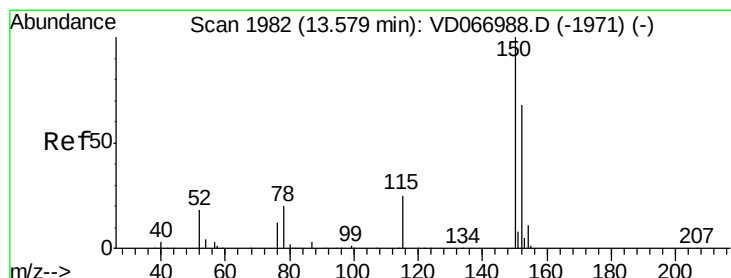
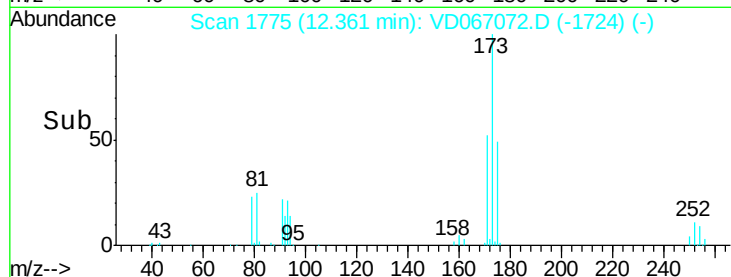
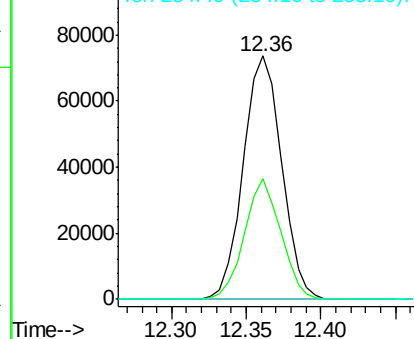
254 0.1 0.2 0.4#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

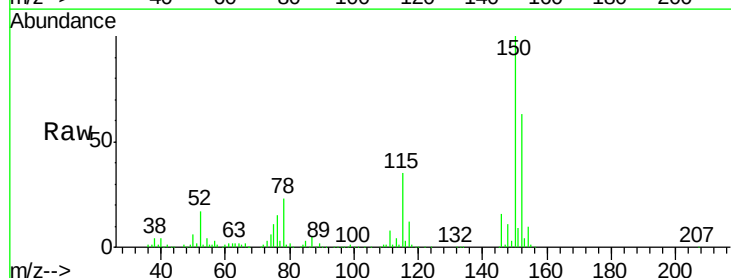
Tgt Ion:152 Resp: 336356

Ion Ratio Lower Upper

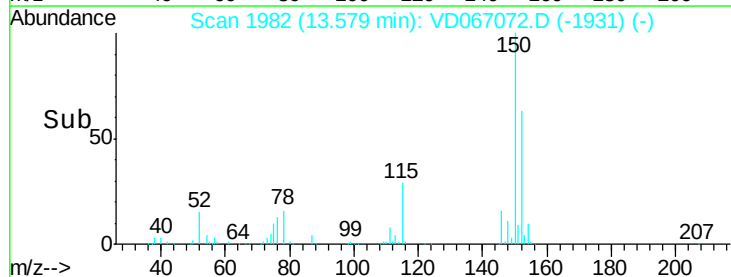
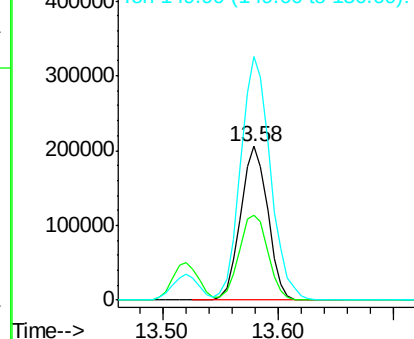
152 100

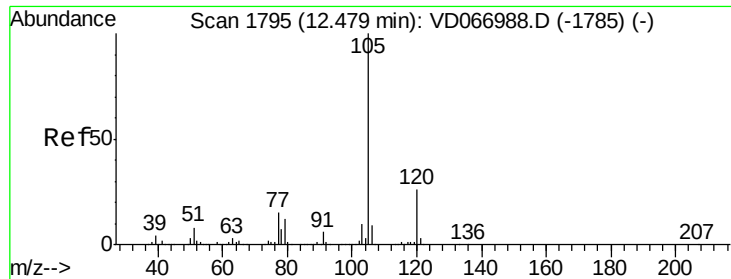
115 58.1 29.6 88.8

150 172.7 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: 51.652 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1179689

Ion Ratio Lower Upper

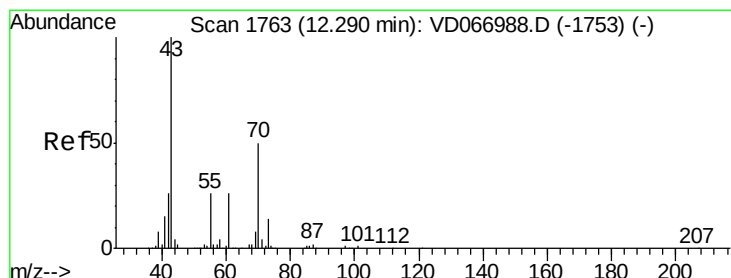
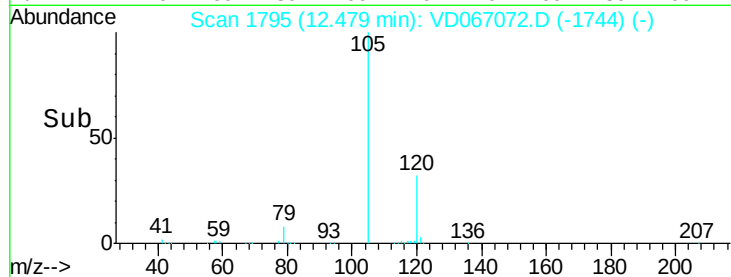
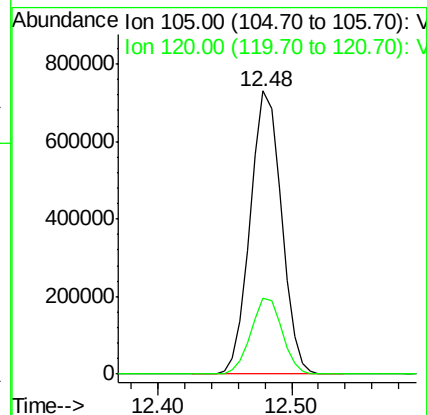
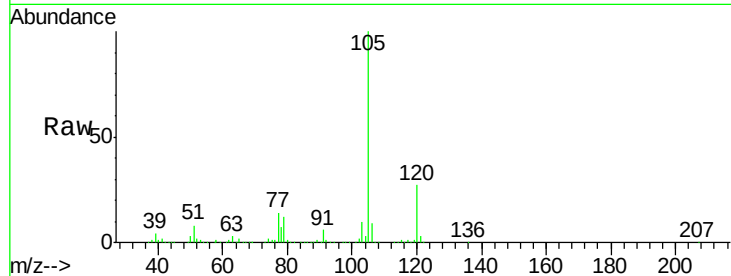
105 100

120 26.7 13.3 39.9

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#74

N-ethyl acetate

Concen: 47.340 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Tgt Ion: 43 Resp: 194365

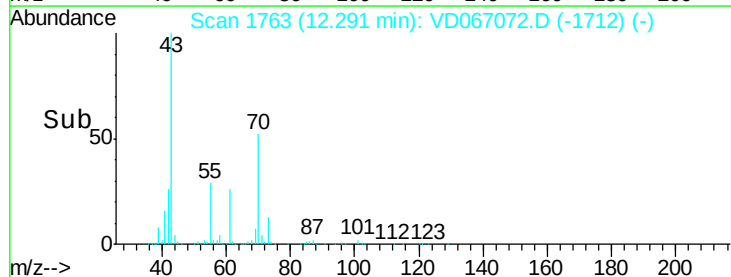
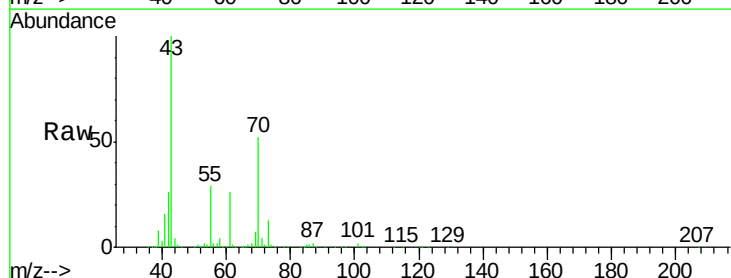
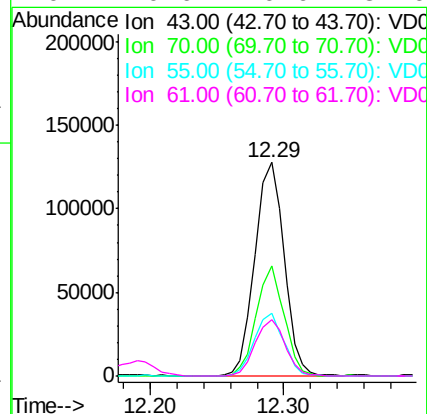
Ion Ratio Lower Upper

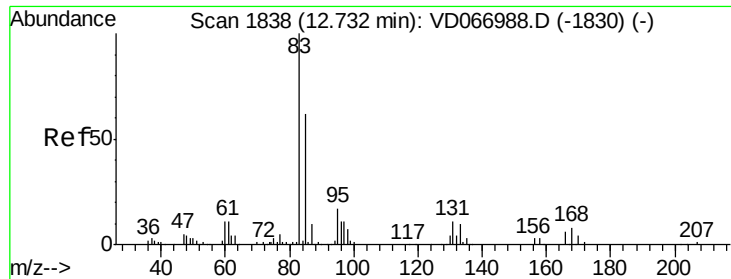
43 100

70 48.7 38.2 57.2

55 29.5 22.4 33.6

61 26.6 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.145 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

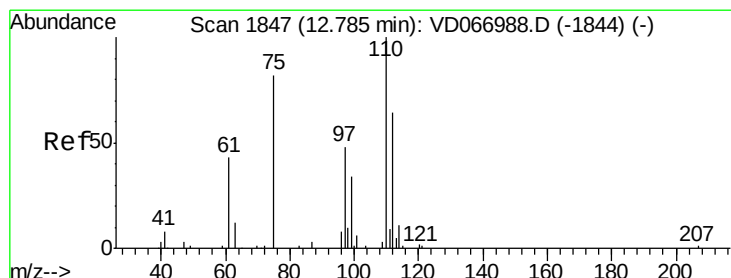
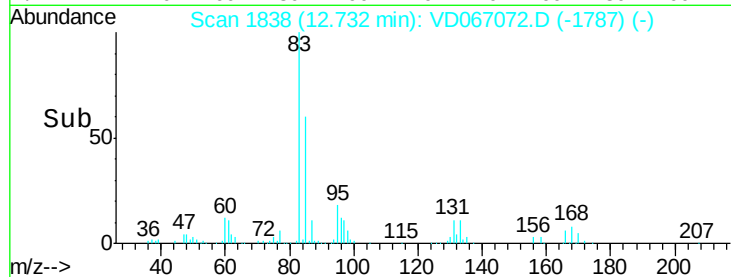
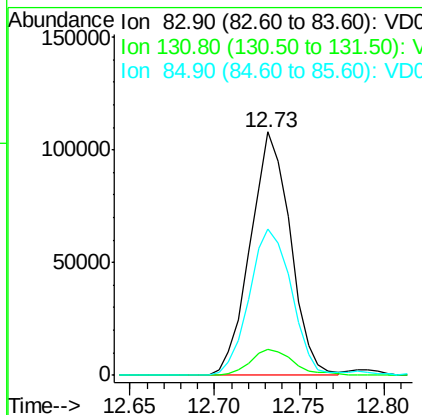
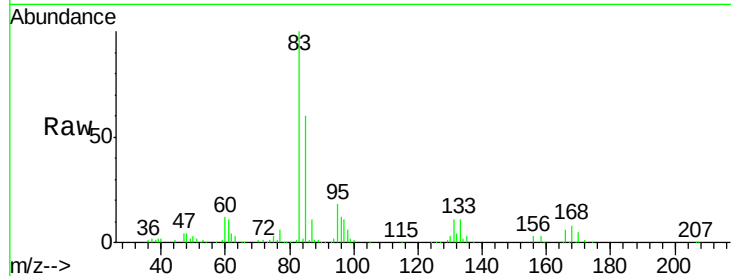
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	177569
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.7	17.0
85	63.7	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 40.333 ug/l m

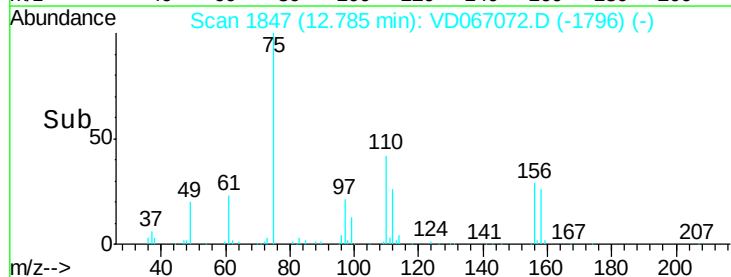
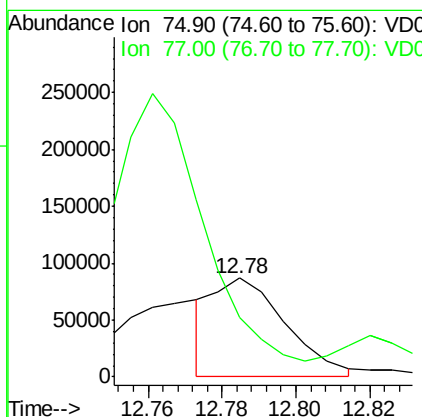
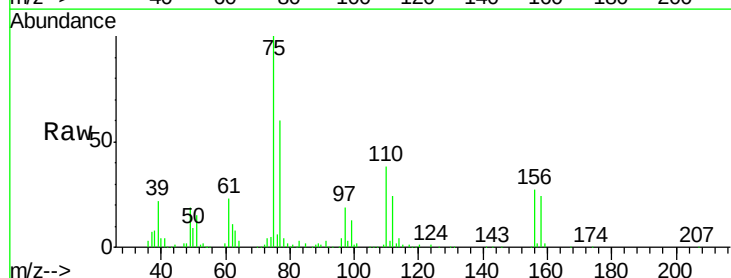
RT: 12.78 min Scan# 1847

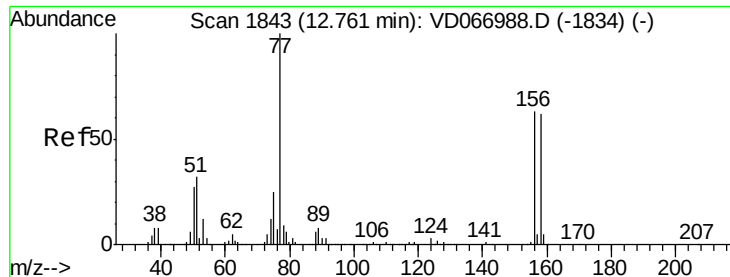
Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Tgt Ion:	75	Resp:	118166
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.846 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 274888

Ion Ratio Lower Upper

156 100

77 165.0 86.3 258.8

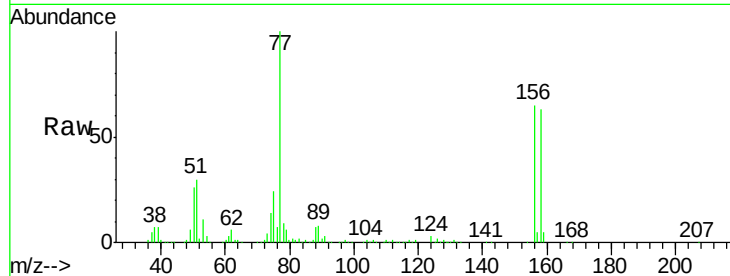
158 97.0 49.5 148.3

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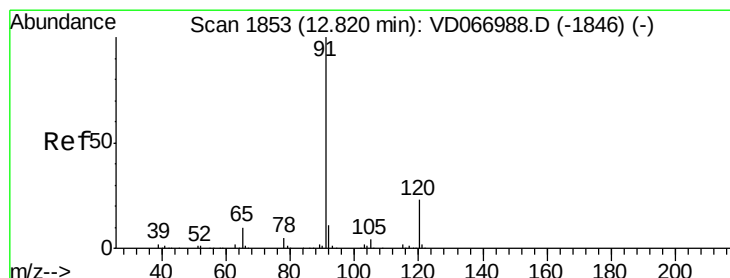
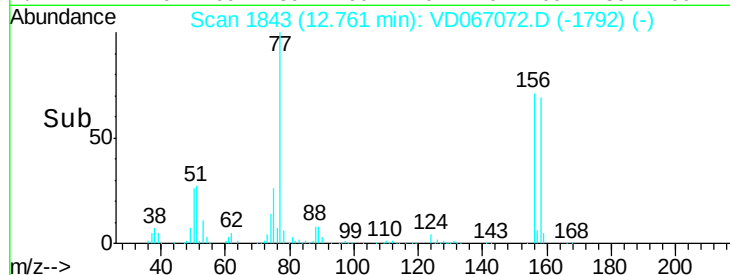
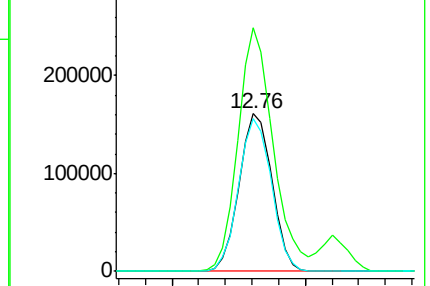
10/6/2020 12:55:04 PM



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: 50.685 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD067072.D

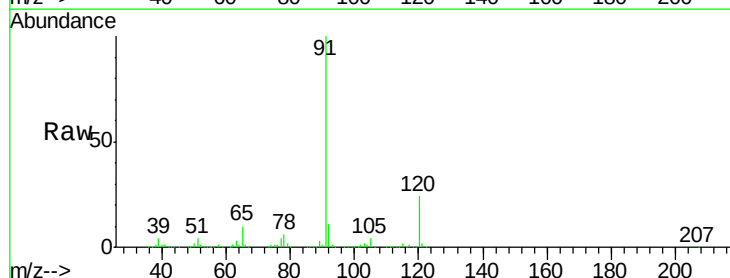
Acq: 05 Oct 2020 09:48

Tgt Ion: 91 Resp: 1368089

Ion Ratio Lower Upper

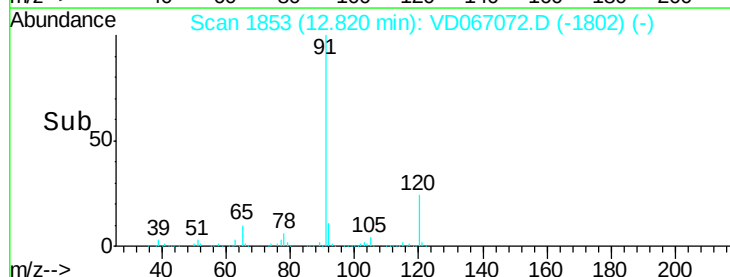
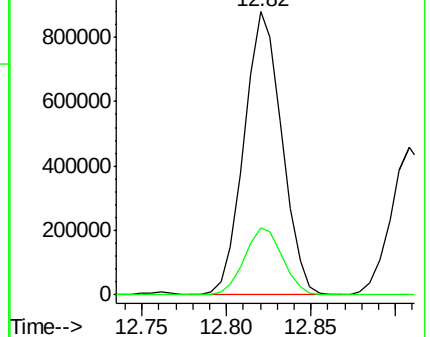
91 100

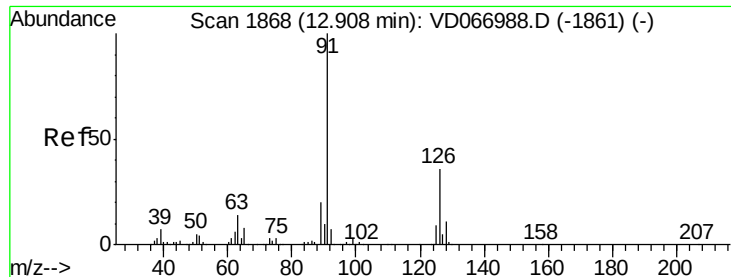
120 24.0 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.820 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 769383

Ion Ratio Lower Upper

91 100

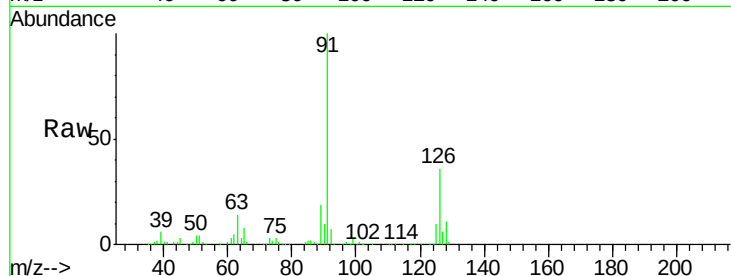
126 35.0 17.5 52.6

Manual Integrations

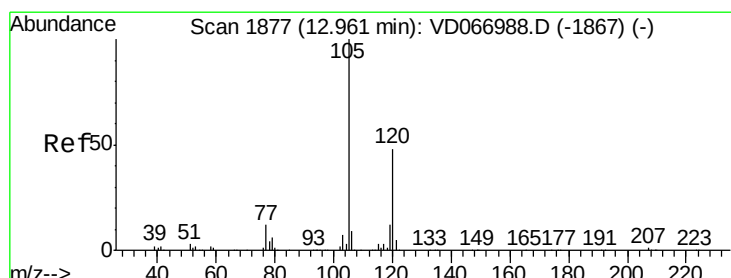
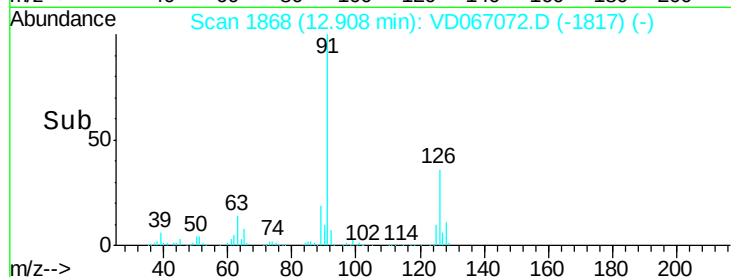
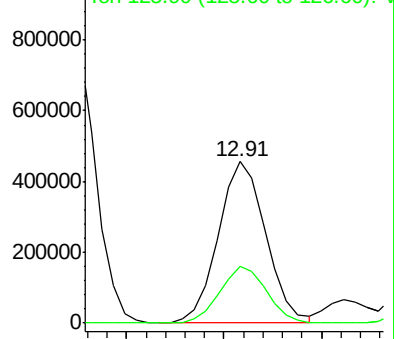
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Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.250 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067072.D

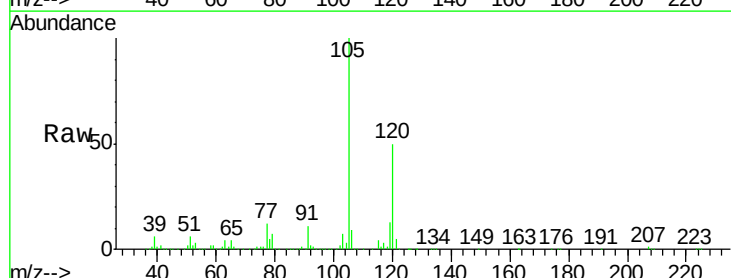
Acq: 05 Oct 2020 09:48

Tgt Ion: 105 Resp: 988935

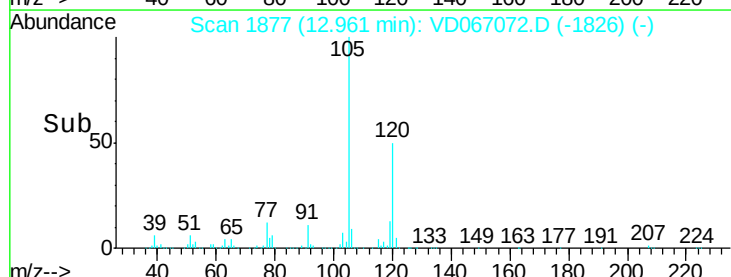
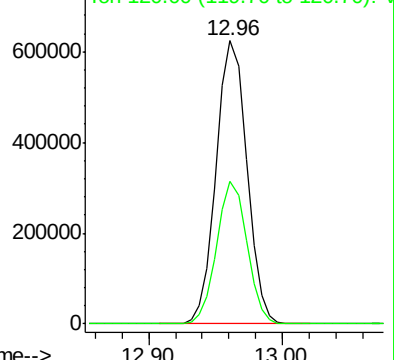
Ion Ratio Lower Upper

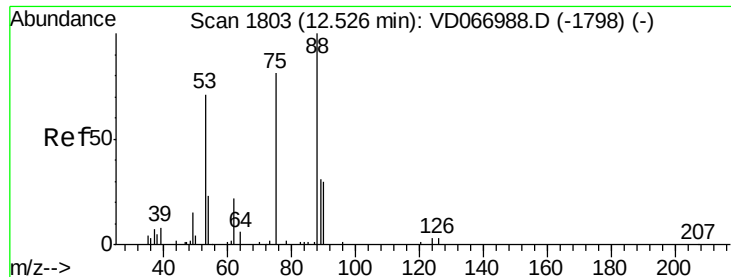
105 100

120 49.7 24.6 74.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 49.073 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 57668

Ion Ratio Lower Upper

75 100

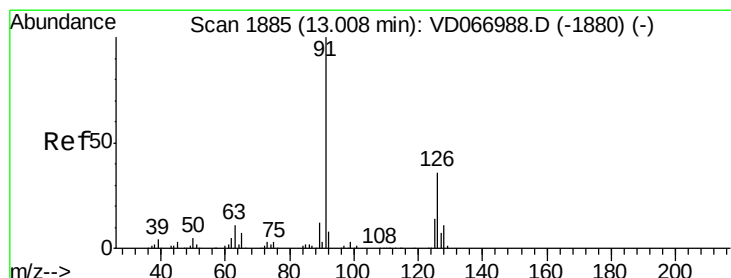
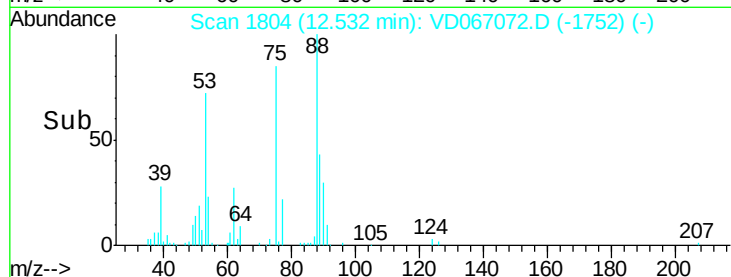
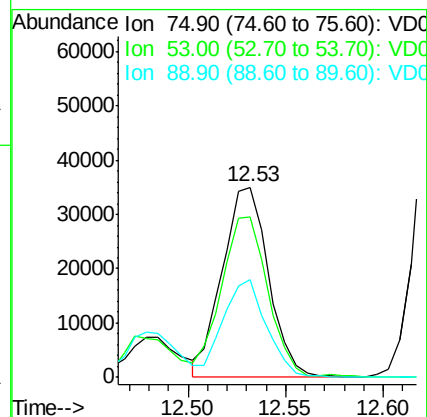
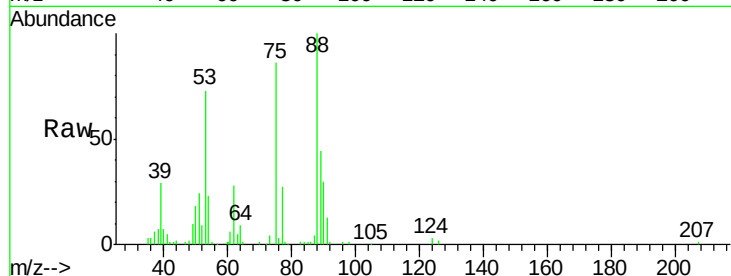
53 83.2 73.8 110.6

89 48.8 38.9 58.3

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#82

4-Chlorotoluene

Concen: 49.713 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067072.D

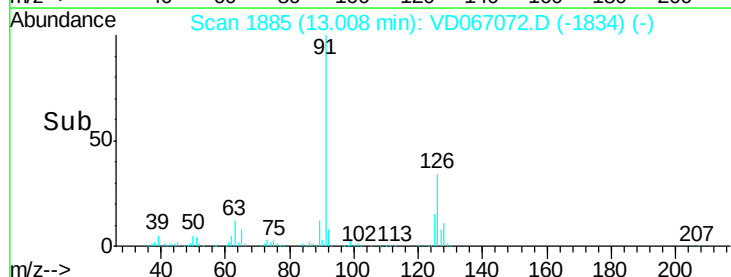
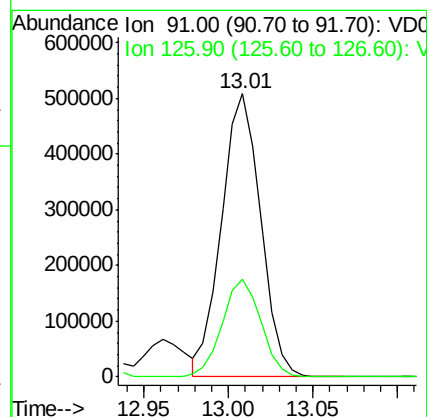
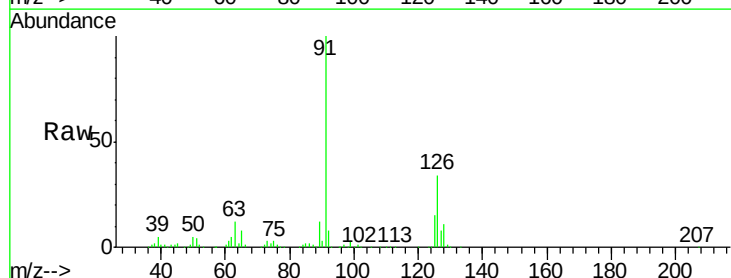
Acq: 05 Oct 2020 09:48

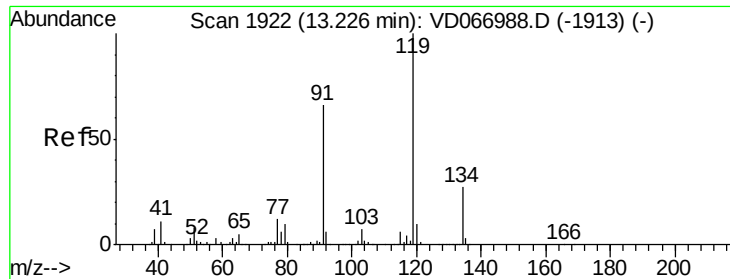
Tgt Ion: 91 Resp: 816818

Ion Ratio Lower Upper

91 100

126 34.4 17.5 52.5





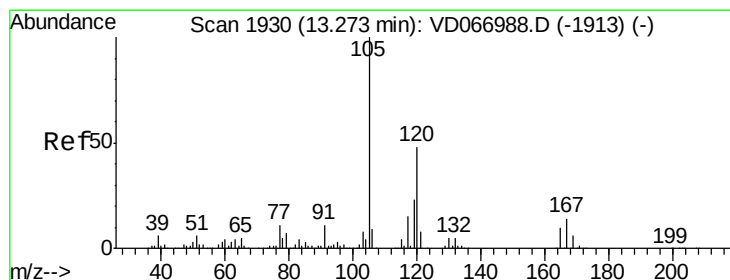
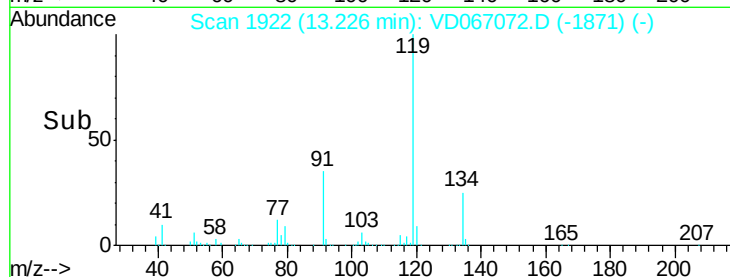
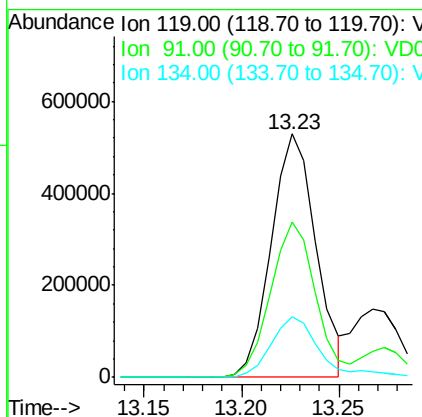
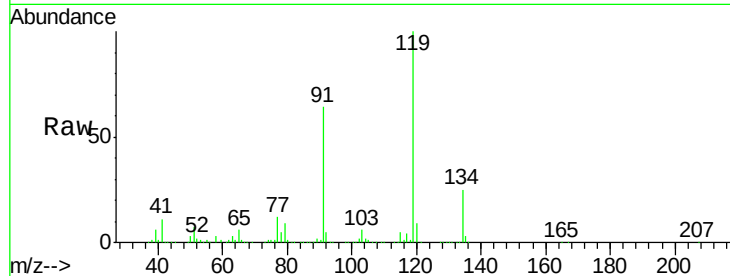
#83
 tert-Butylbenzene
 Concen: 51.744 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.8	98.3
134	27.0	13.9	41.7

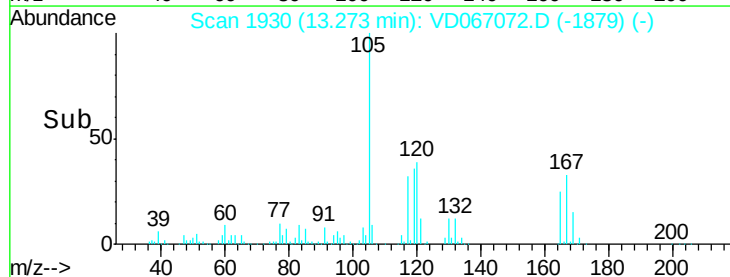
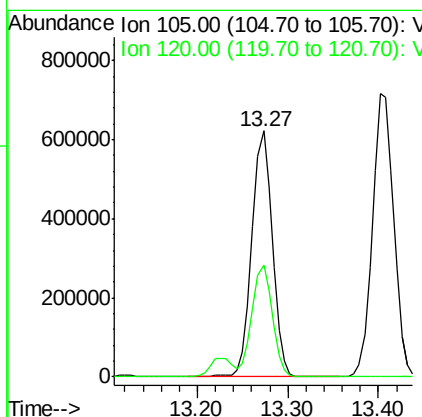
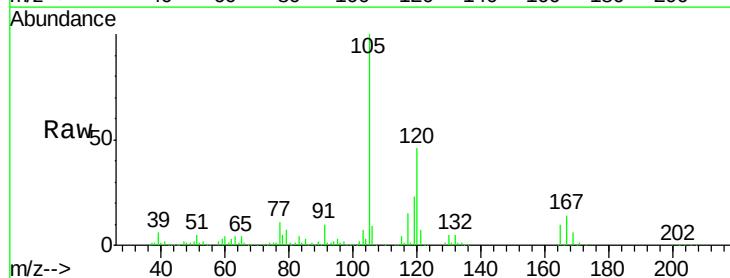
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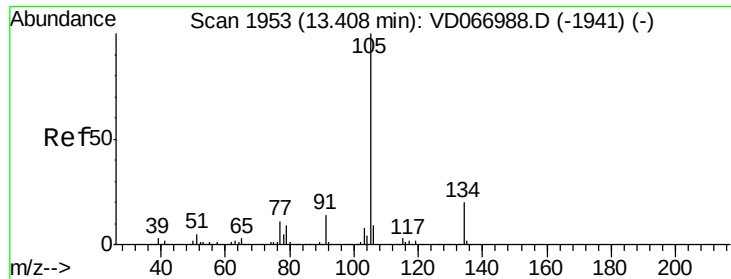
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.774 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.3	69.8





#85

sec-Butylbenzene

Concen: 51.008 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1167234

Ion Ratio Lower Upper

105 100

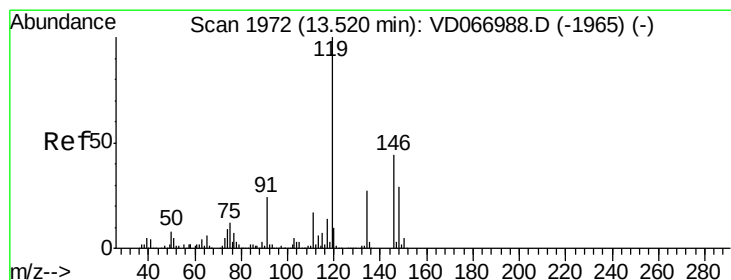
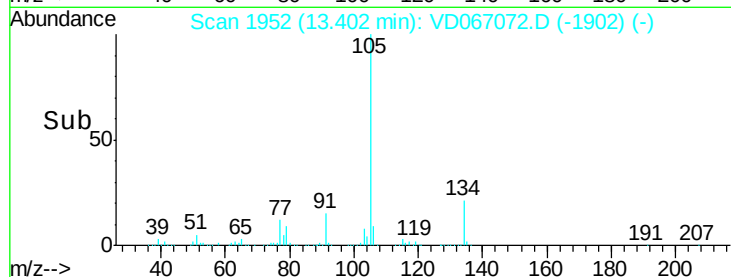
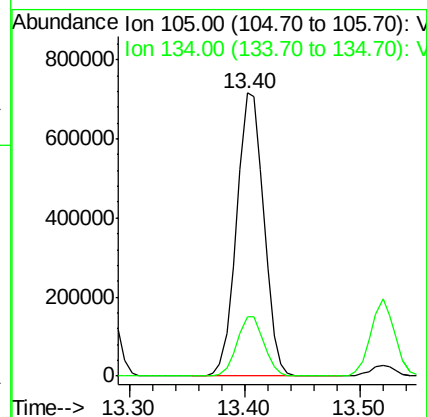
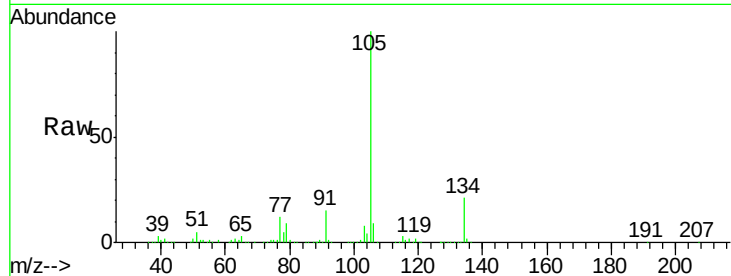
134 20.8 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 50.831 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

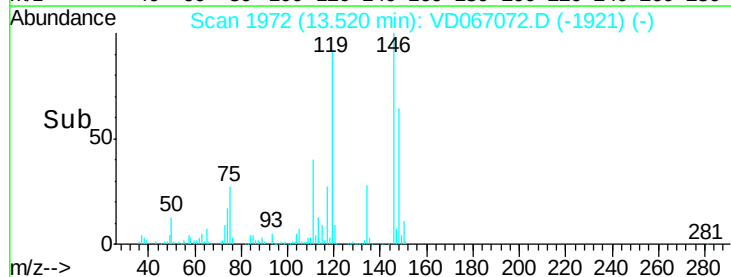
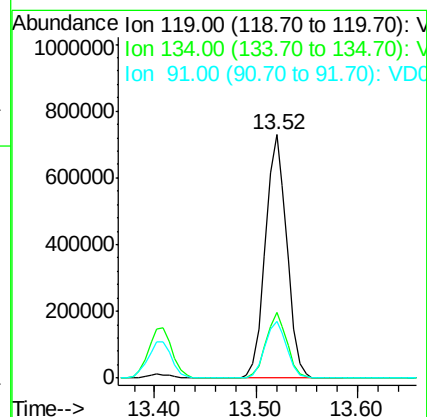
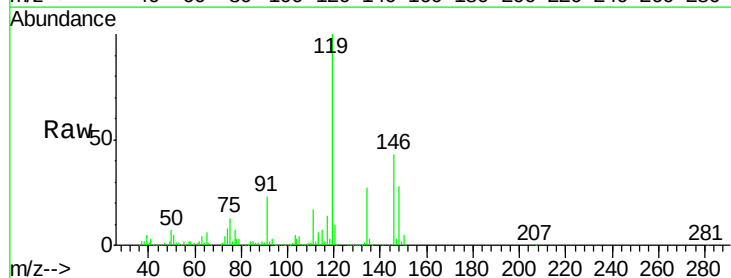
Tgt Ion:119 Resp: 1078389

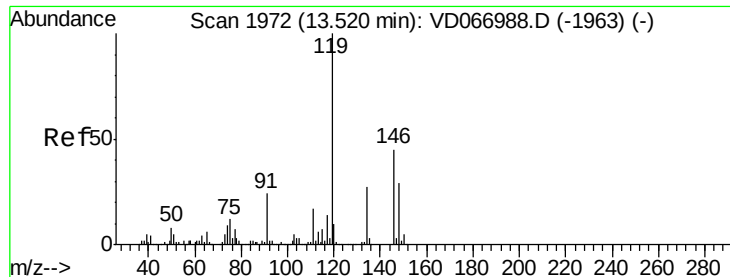
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

91 23.4 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 48.747 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Instrument :

MSVOA_D

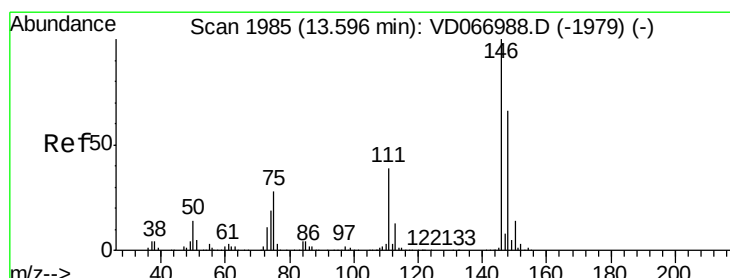
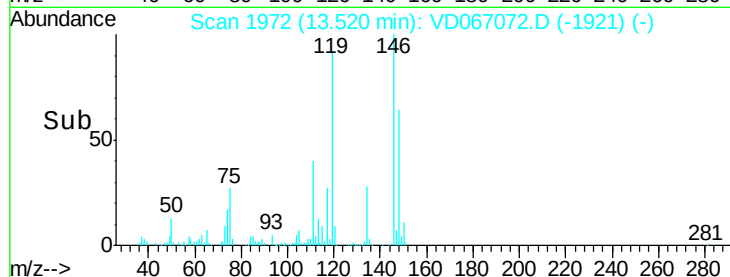
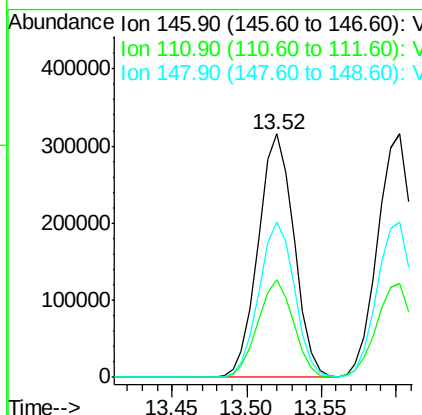
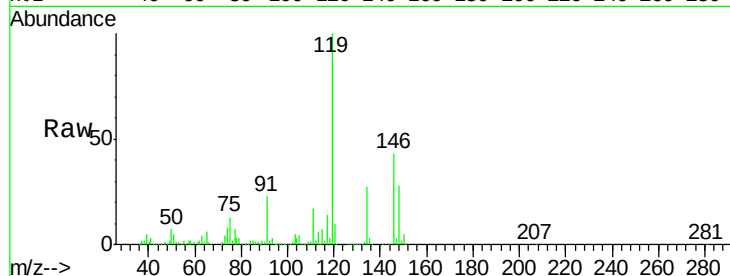
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	523634
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.0	60.0
148	63.4	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.001 ug/l

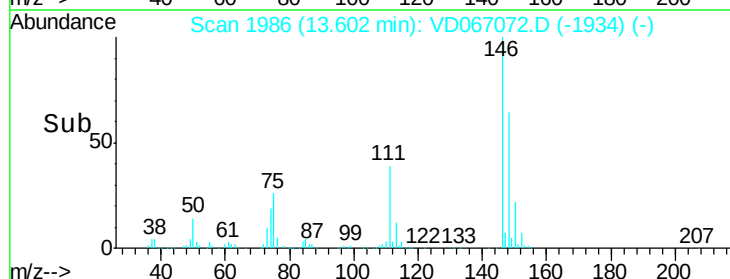
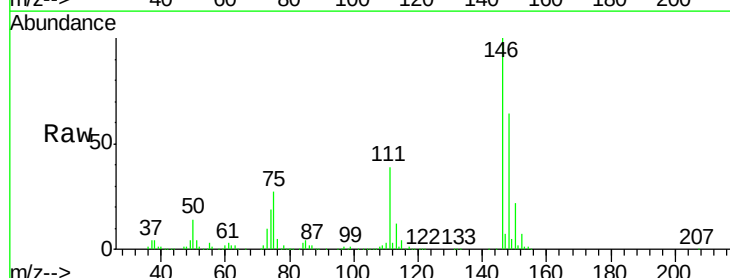
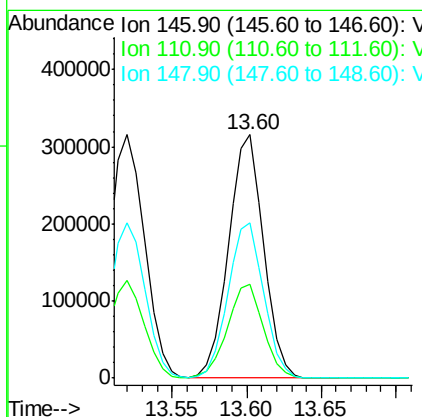
RT: 13.60 min Scan# 1986

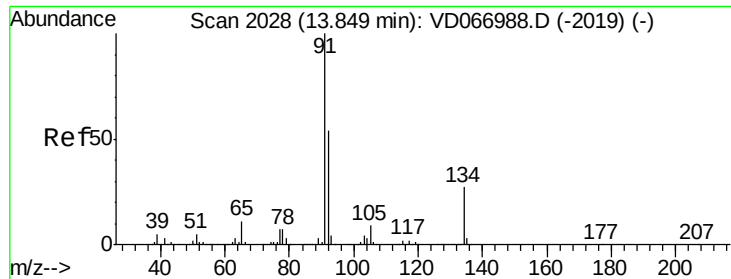
Delta R.T. 0.01 min

Lab File: VD067072.D

Acq: 05 Oct 2020 09:48

Tgt Ion:	146	Resp:	515562
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.6	58.7
148	65.0	32.6	97.7





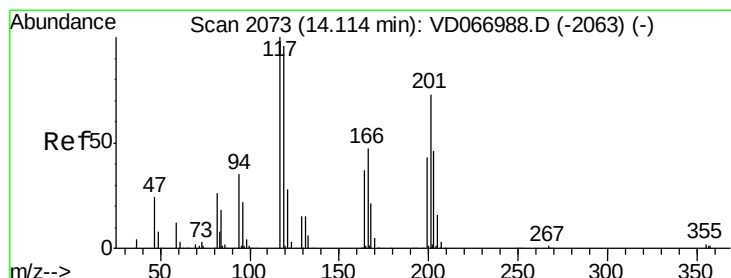
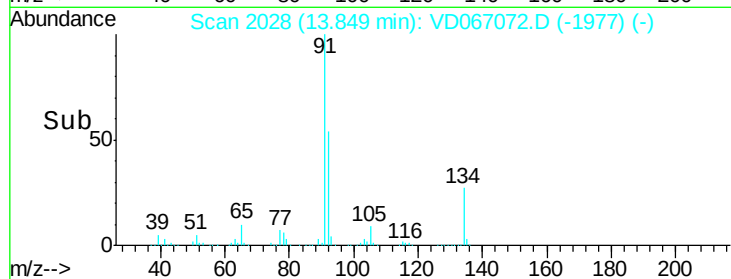
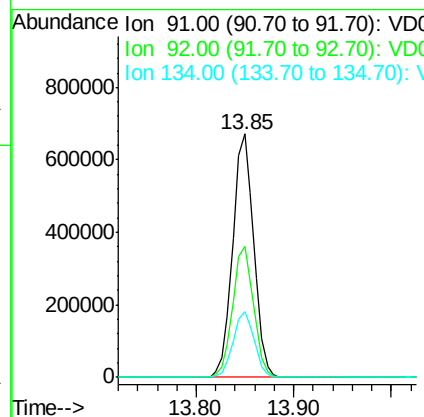
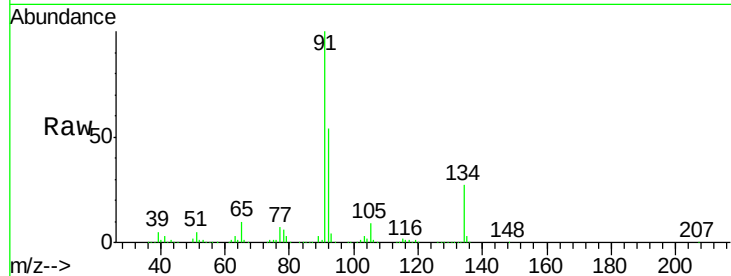
#89
n-Butylbenzene
Concen: 51.624 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1000934
Ion Ratio Lower Upper
91 100
92 53.6 27.1 81.2
134 27.0 13.6 40.8

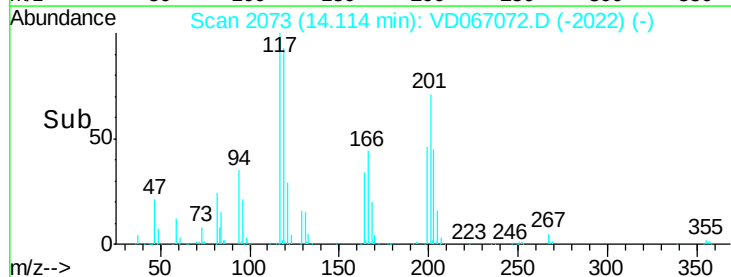
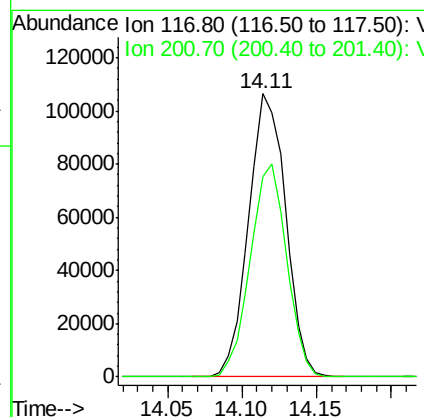
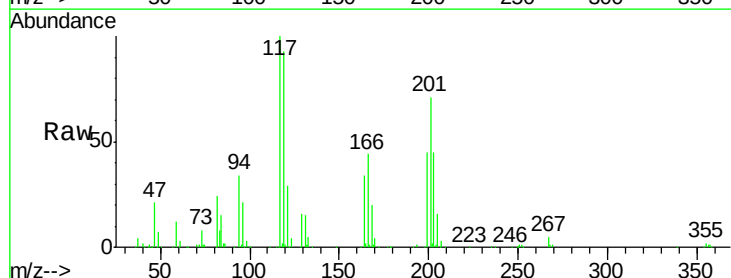
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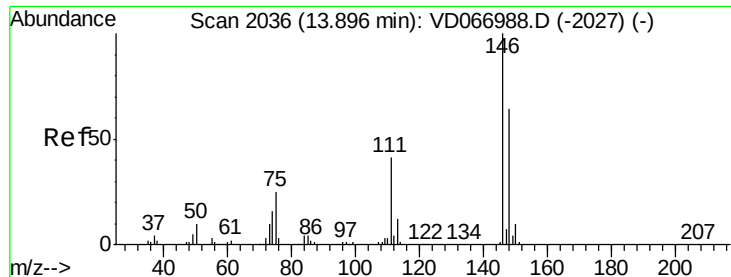
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#90
Hexachloroethane
Concen: 49.343 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion: 117 Resp: 183369
Ion Ratio Lower Upper
117 100
201 73.8 37.0 110.9





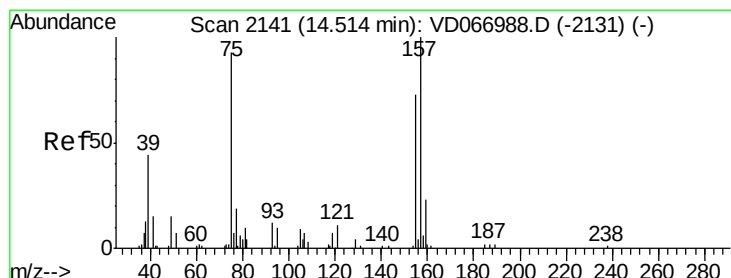
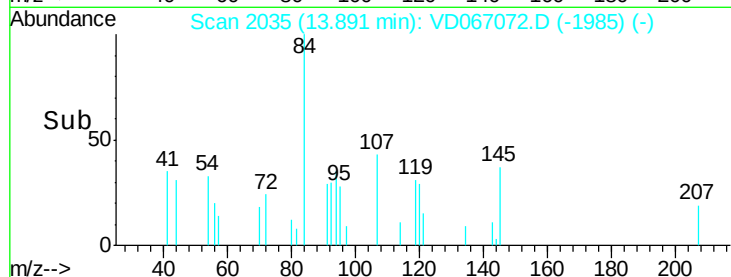
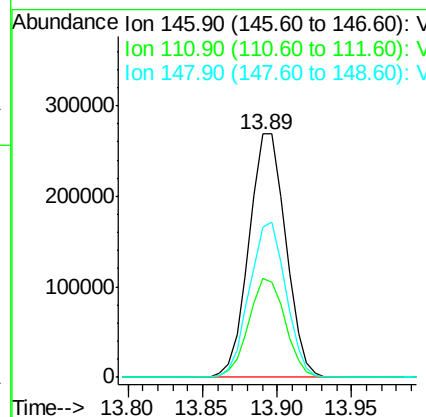
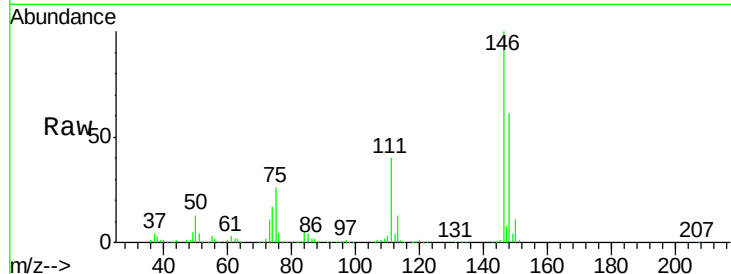
#91
 1,2-Dichlorobenzene
 Concen: 48.984 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.9	62.7
148	63.0	32.3	96.9

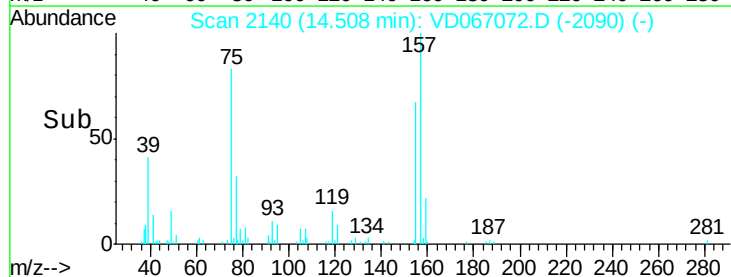
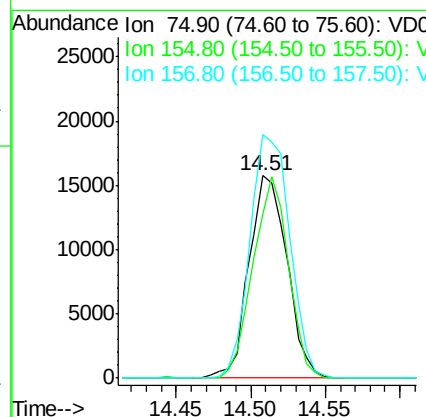
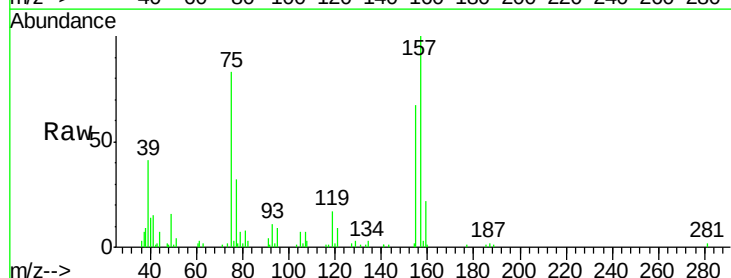
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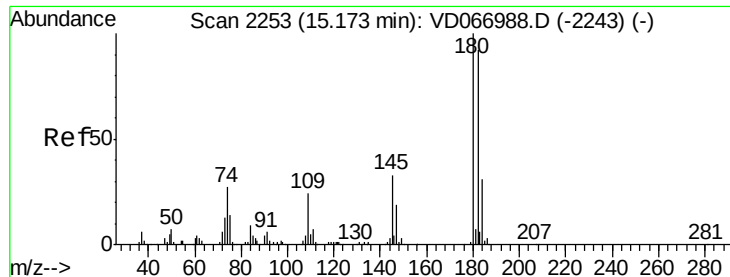
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.669 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	45.2	135.6
157	126.4	56.3	168.8





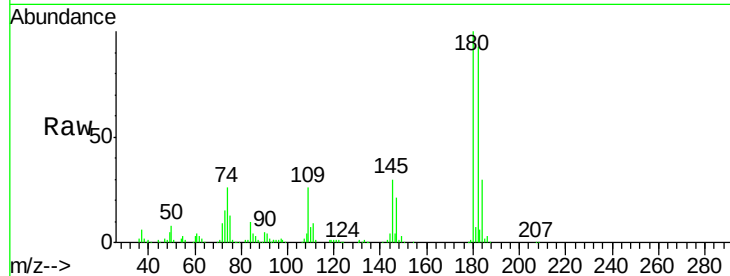
#93
 1,2,4-Trichlorobenzene
 Concen: 51.333 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

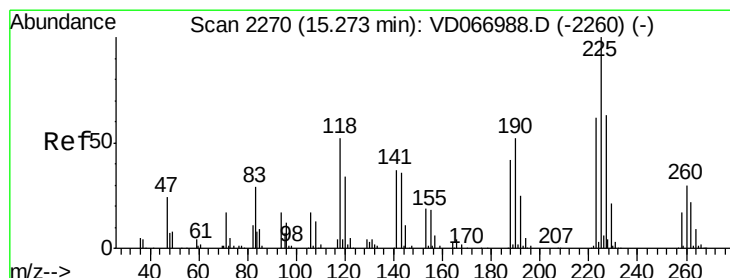
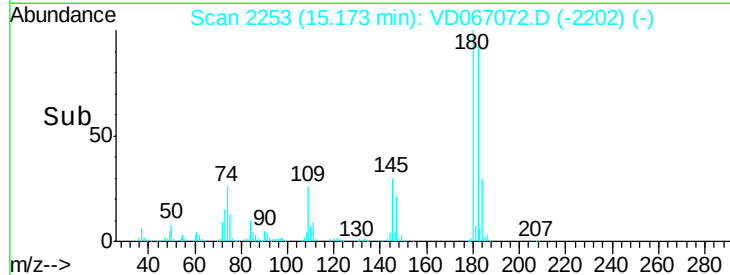
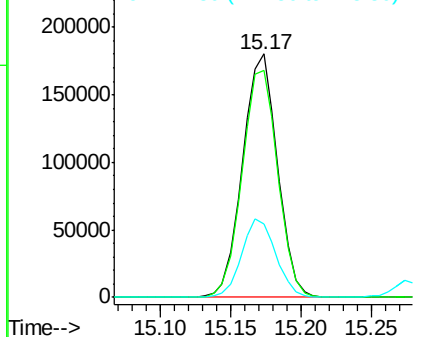
Tot Ion	Ratio	Resp	Lower	Upper
180	100	311495		
182	95.3	47.3	142.0	
145	31.6	16.4	49.1	

Manual Integrations
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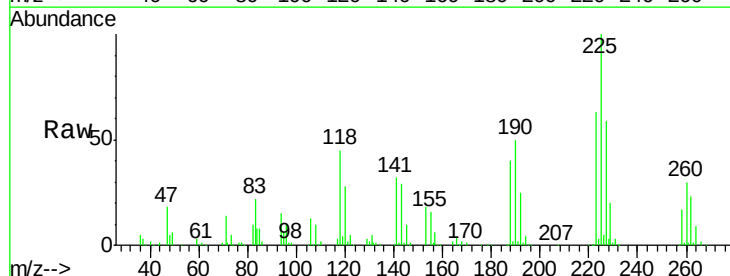


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

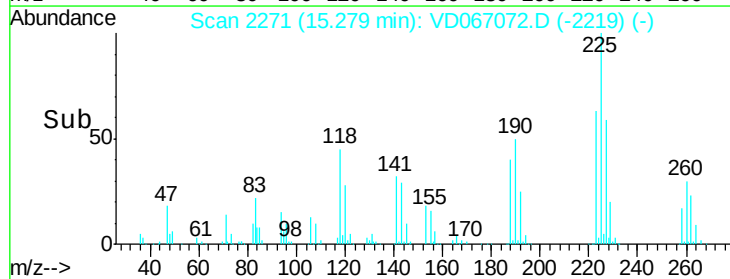
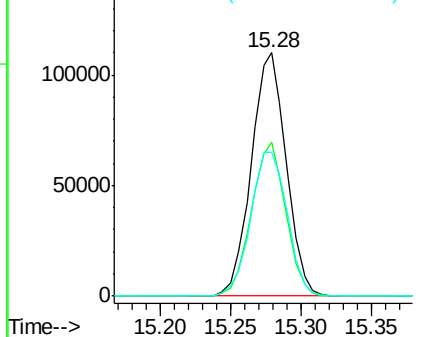


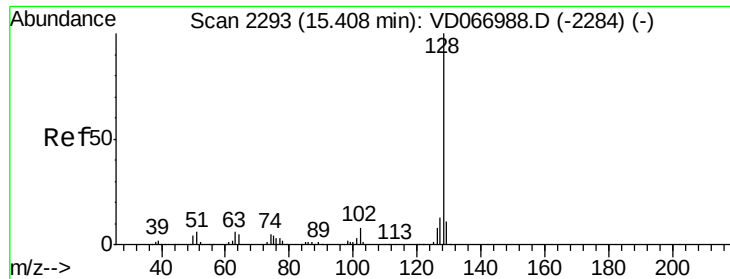
#94
 Hexachlorobutadiene
 Concen: 51.242 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067072.D
 Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	190960		
223	62.1	32.4	97.0	
227	62.0	31.6	95.0	



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





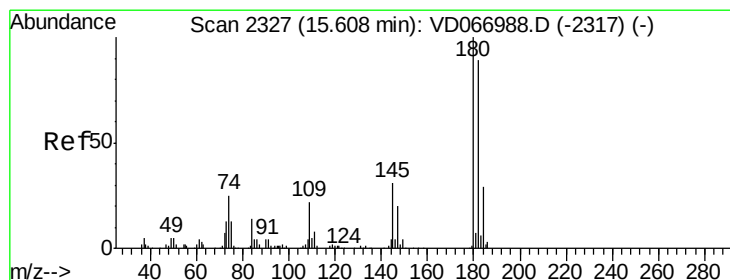
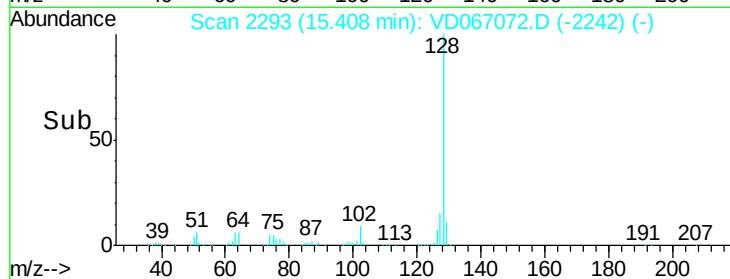
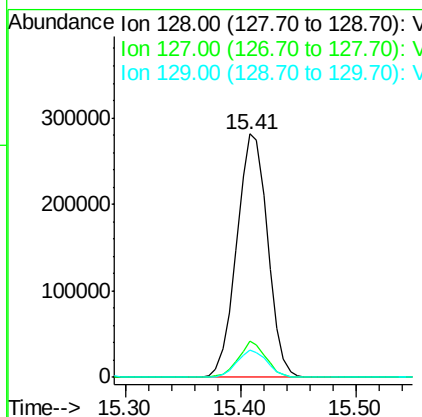
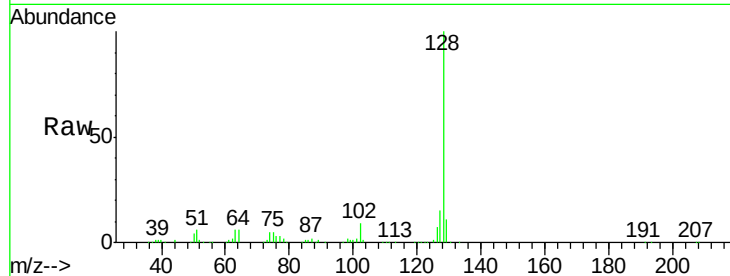
#95
Naphthalene
Concen: 51.596 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:55:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.470 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067072.D
Acq: 05 Oct 2020 09:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.4	139.1
145	34.1	16.6	49.7

