

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066534.D
 Acq On : 02 Sep 2020 20:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 4:57:29 PM

Quant Time: Sep 03 04:17:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 15:08:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	147237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	204450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	192511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	104631	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	93172	58.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.68%	
35) Dibromofluoromethane	7.91	113	68278	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	
50) Toluene-d8	10.34	98	251825	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
62) 4-Bromofluorobenzene	12.63	95	91355	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	55666	44.318	ug/l	90
3) Chloromethane	2.21	50	35817	47.432	ug/l	95
4) Vinyl Chloride	2.35	62	44034	47.819	ug/l	90
5) Bromomethane	2.76	94	38181	50.732	ug/l	96
6) Chloroethane	2.92	64	30639	49.455	ug/l	95
7) Trichlorofluoromethane	3.27	101	136125	48.495	ug/l	100
8) Diethyl Ether	3.71	74	27579	52.422	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	54827	46.902	ug/l	98
10) Methyl Iodide	4.30	142	64685	49.904	ug/l	99
11) Tert butyl alcohol	5.23	59	24477	287.705	ug/l #	76
12) 1,1-Dichloroethene	4.07	96	55202	50.250	ug/l	96
13) Acrolein	3.93	56	11910	231.565	ug/l	98
14) Allyl chloride	4.71	41	63702	51.877	ug/l	96
15) Acrylonitrile	5.42	53	52311	277.274	ug/l	96
16) Acetone	4.16	43	56418	240.918	ug/l #	87
17) Carbon Disulfide	4.41	76	155196	48.887	ug/l	97
18) Methyl Acetate	4.71	43	21486	57.142	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	160730	56.075	ug/l	99
20) Methylene Chloride	4.96	84	65785	56.646	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	65182	51.875	ug/l	95
22) Diisopropyl ether	6.36	45	126938	51.579	ug/l	92
23) Vinyl Acetate	6.30	43	431611	272.790	ug/l	99
24) 1,1-Dichloroethane	6.27	63	100801	52.150	ug/l	98
25) 2-Butanone	7.21	43	63208	260.779	ug/l	96
26) 2,2-Dichloropropane	7.21	77	119524	48.802	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	70825	51.977	ug/l	97
28) Bromochloromethane	7.54	49	30806	55.090	ug/l	95
29) Tetrahydrofuran	7.56	42	33750	270.867	ug/l	93
30) Chloroform	7.70	83	132423	53.058	ug/l	99
31) Cyclohexane	7.98	56	68923	46.265	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	142019	51.093	ug/l	99
36) 1,1-Dichloropropene	8.11	75	87055	48.574	ug/l	98
37) Ethyl Acetate	7.28	43	26979	50.149	ug/l #	83
38) Carbon Tetrachloride	8.10	117	137988	50.541	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	95978	45.837	ug/l	99
40) Benzene	8.35	78	239935	51.898	ug/l	97
41) Methacrylonitrile	7.52	41	14639	52.301	ug/l #	90
42) 1,2-Dichloroethane	8.42	62	109194	55.830	ug/l	100
43) Isopropyl Acetate	8.44	43	61206	54.311	ug/l	97
44) Trichloroethene	9.11	130	81254	50.920	ug/l	93
45) 1,2-Dichloropropane	9.38	63	45649	49.764	ug/l	100
46) Dibromomethane	9.47	93	35326	52.603	ug/l	95
47) Bromodichloromethane	9.66	83	107104	53.660	ug/l	97
48) Methyl methacrylate	9.46	41	31076	54.110	ug/l	98
49) 1,4-Dioxane	9.46	88	8184	1052.814	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	144416	278.689	ug/l	98
52) Toluene	10.40	92	170008	51.698	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	97834	53.649	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	99599	51.844	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	44307	52.212	ug/l	96
56) Ethyl methacrylate	10.66	69	54176	54.247	ug/l	92
57) 1,3-Dichloropropane	10.94	76	75785	54.078	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	100866	258.735	ug/l	99
59) 2-Hexanone	10.98	43	102019	272.593	ug/l	97
60) Dibromochloromethane	11.14	129	77567	55.277	ug/l	97
61) 1,2-Dibromoethane	11.24	107	45791	52.938	ug/l	97
64) Tetrachloroethene	10.87	164	74646	49.733	ug/l	95
65) Chlorobenzene	11.67	112	195560	51.633	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	83335	52.003	ug/l	98
67) Ethyl Benzene	11.74	91	336353	50.414	ug/l	94
68) m/p-Xylenes	11.85	106	268265	103.923	ug/l	98
69) o-Xylene	12.18	106	122332	50.030	ug/l	99
70) Styrene	12.20	104	216134	51.629	ug/l	100
71) Bromoform	12.36	173	47850	54.439	ug/l #	92
73) Isopropylbenzene	12.48	105	339584	48.571	ug/l	99
74) N-amyl acetate	12.29	43	56850	53.927	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	43364	52.488	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	26403m	40.114	ug/l	
77) Bromobenzene	12.76	156	91155	51.378	ug/l	98
78) n-propylbenzene	12.82	91	372678	48.917	ug/l	99
79) 2-Chlorotoluene	12.91	91	223262	50.648	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	306519	50.427	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	15678	53.044	ug/l	97
82) 4-Chlorotoluene	13.01	91	238471	50.366	ug/l	99
83) tert-Butylbenzene	13.23	119	259879	48.745	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	306338	50.390	ug/l	97
85) sec-Butylbenzene	13.40	105	321100	47.541	ug/l	100
86) p-Isopropyltoluene	13.52	119	327152	48.461	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	167437	50.884	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	164443	49.400	ug/l	98
89) n-Butylbenzene	13.85	91	270051	47.758	ug/l	98
90) Hexachloroethane	14.11	117	58603	48.374	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	145817	50.947	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11833	54.158	ug/l	93

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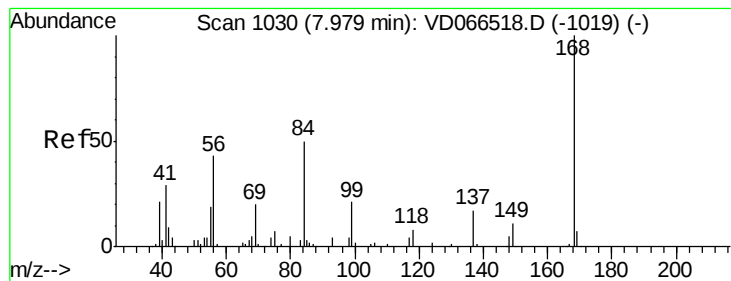
Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114238	50.569	ug/l	97
94) Hexachlorobutadiene	15.27	225	68551	46.811	ug/l	97
95) Naphthalene	15.41	128	187115	53.285	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	99333	50.888	ug/l	99

(#) = 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: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 147237

Ion Ratio Lower Upper

168 100

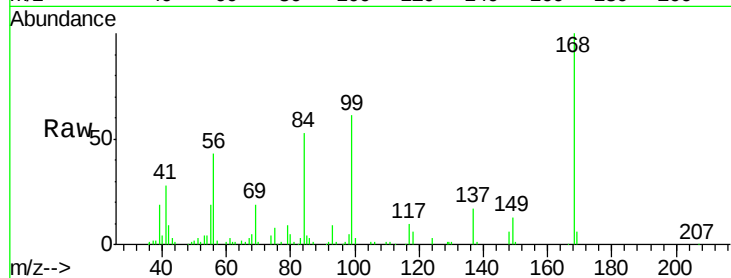
99 61.3 45.1 67.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

60000

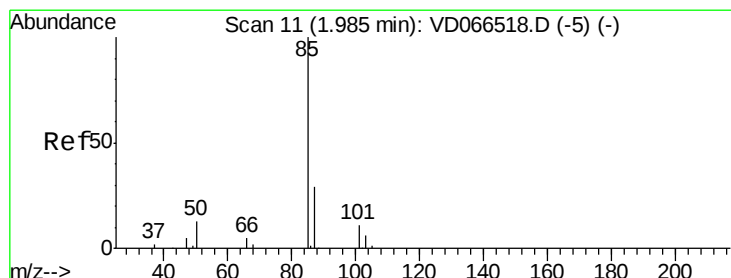
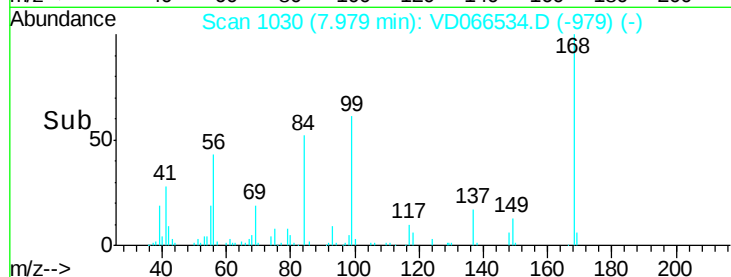
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.318 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066534.D

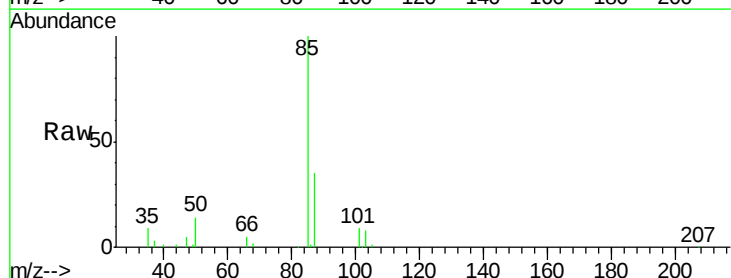
Acq: 02 Sep 2020 20:27

Tgt Ion: 85 Resp: 55666

Ion Ratio Lower Upper

85 100

87 34.6 14.6 44.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

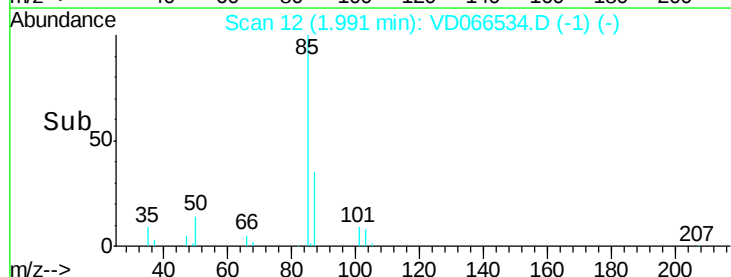
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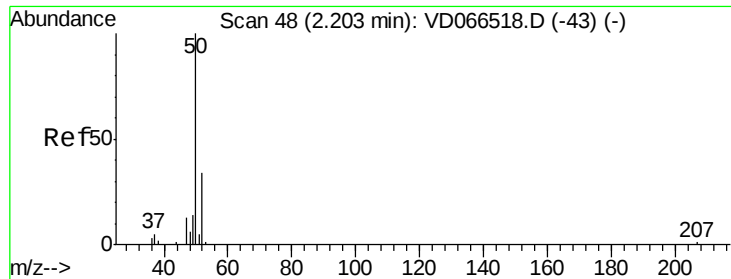
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 47.432 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 35817

Ion Ratio Lower Upper

50 100

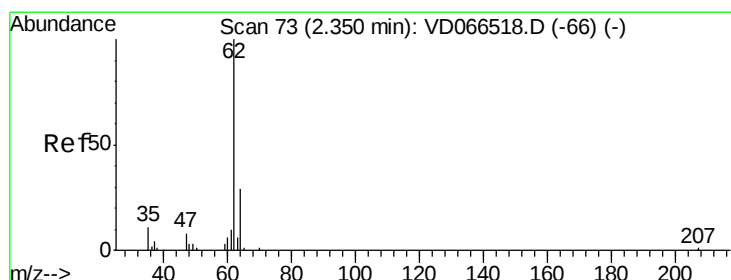
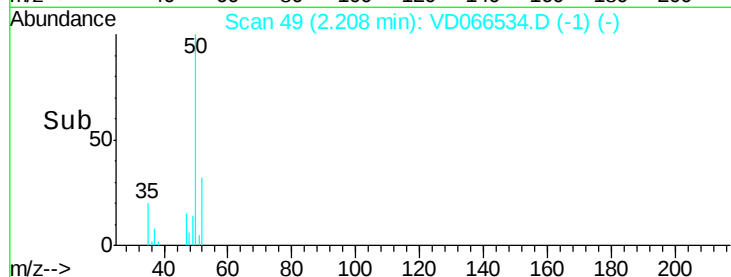
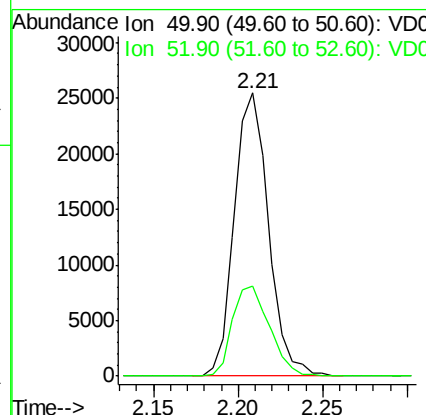
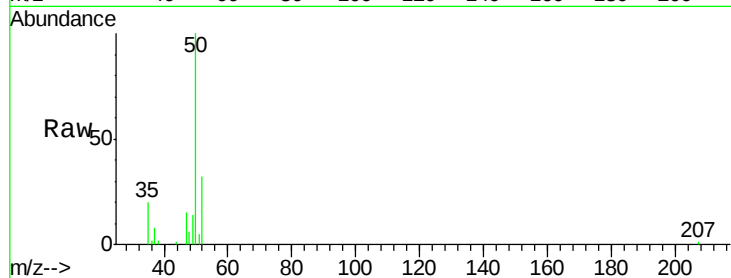
52 31.9 27.6 41.4

Manual Integrations

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9/3/2020 4:57:29 PM



#4

Vinyl Chloride

Concen: 47.819 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066534.D

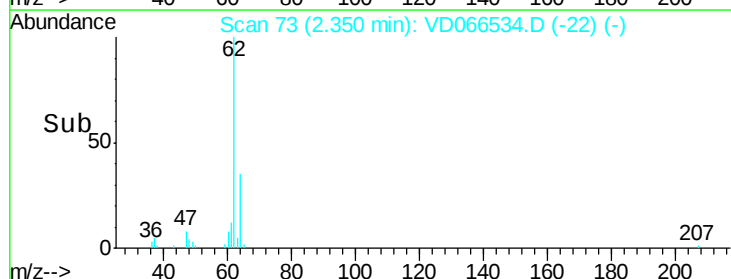
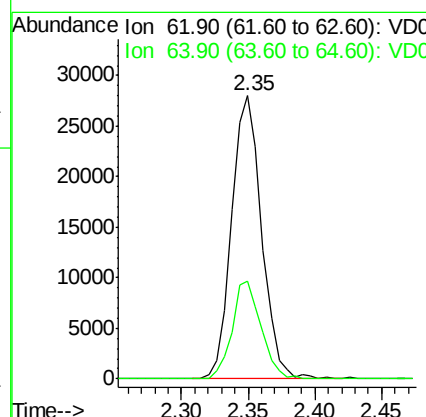
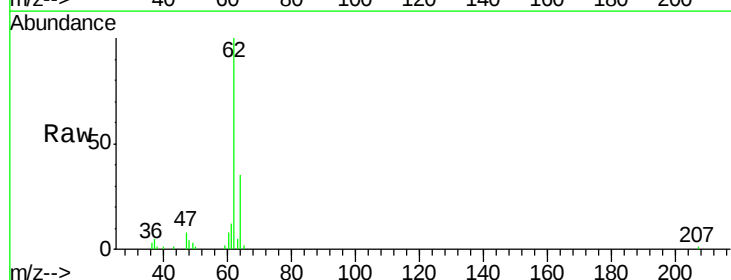
Acq: 02 Sep 2020 20:27

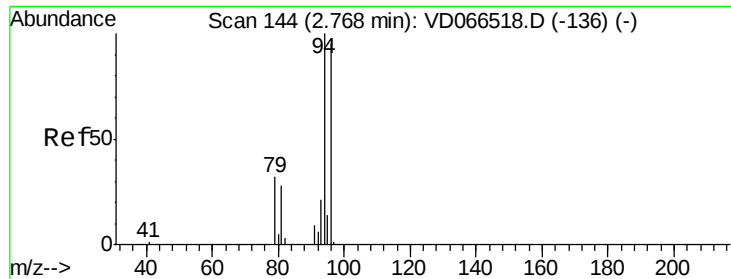
Tgt Ion: 62 Resp: 44034

Ion Ratio Lower Upper

62 100

64 34.6 23.4 35.2





#5

Bromomethane

Concen: 50.732 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 38181

Ion Ratio Lower Upper

94 100

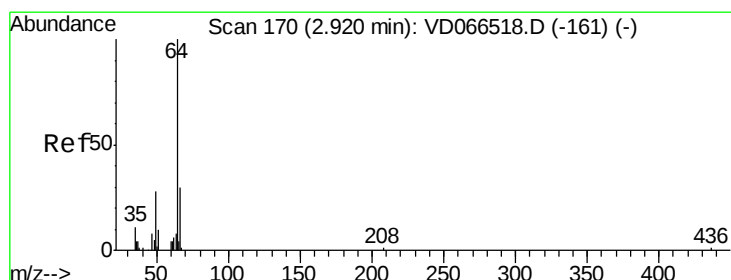
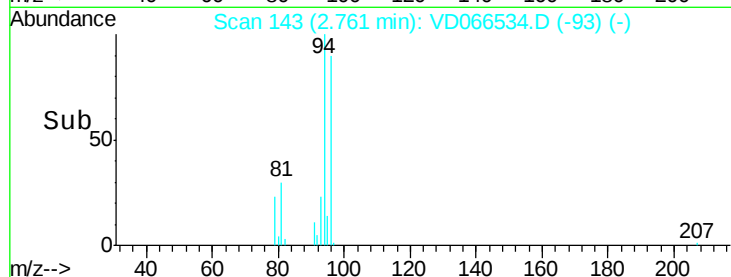
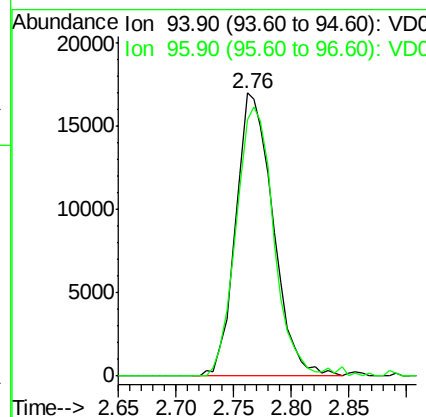
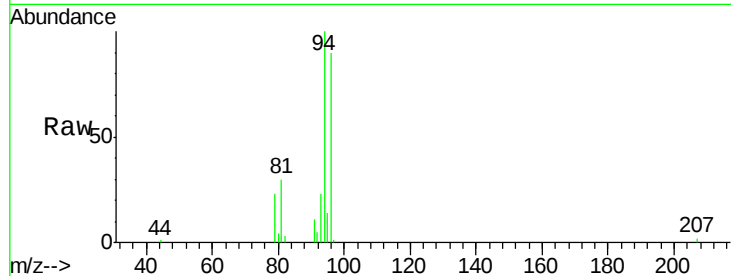
96 90.5 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 49.455 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066534.D

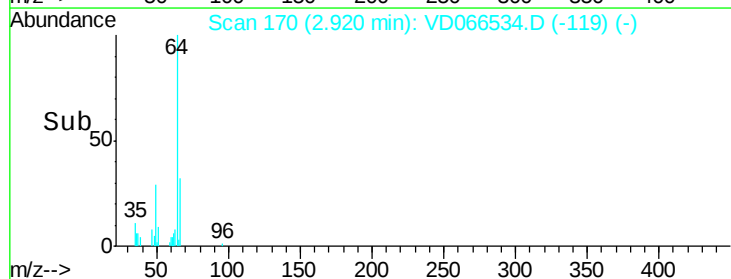
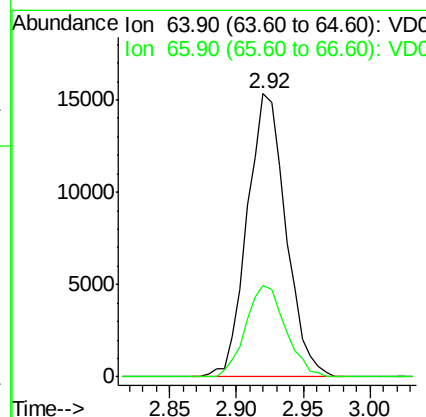
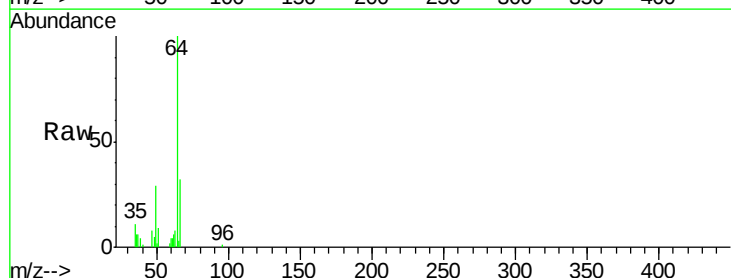
Acq: 02 Sep 2020 20:27

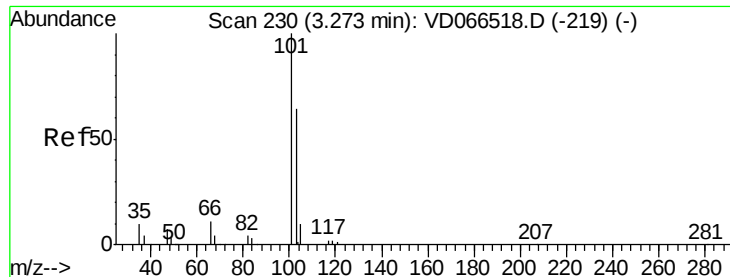
Tgt Ion: 64 Resp: 30639

Ion Ratio Lower Upper

64 100

66 32.3 23.7 35.5





#7

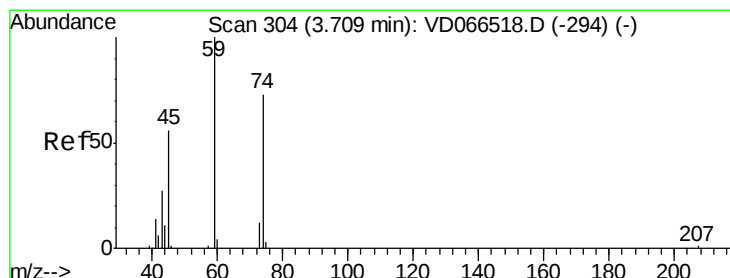
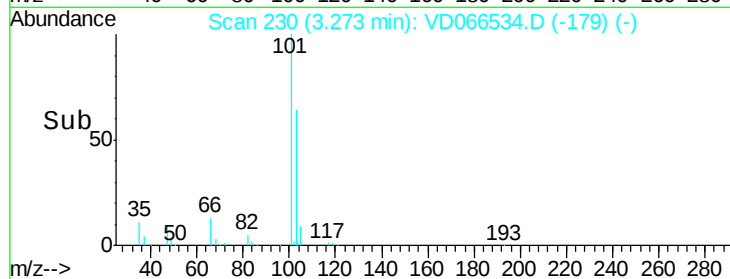
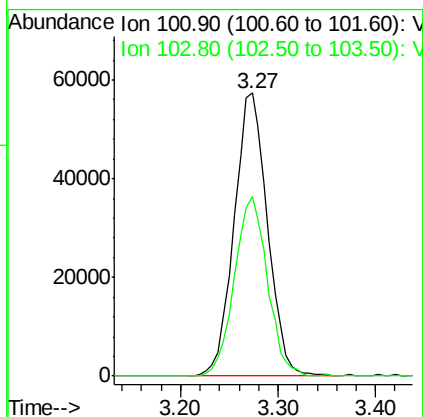
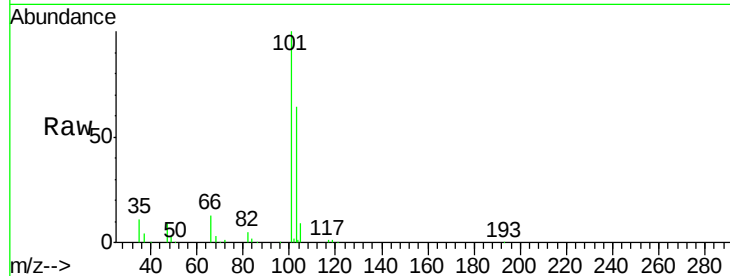
Trichlorofluoromethane
Concen: 48.495 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD066534.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	136125		
103	63.6	50.9	76.3	

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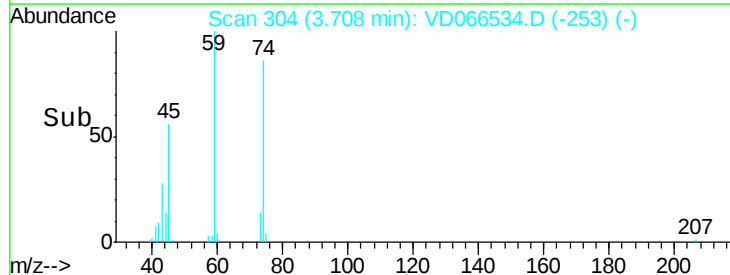
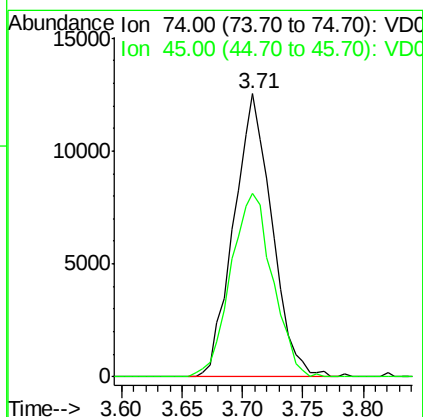
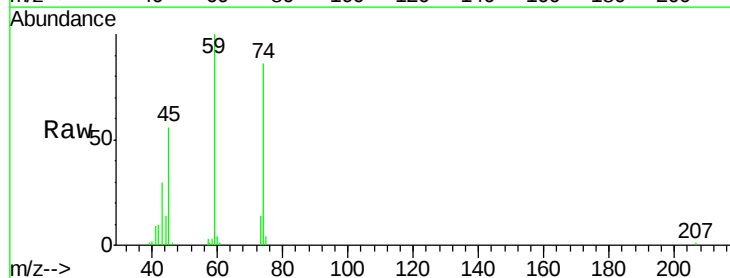
MMDadoda
9/3/2020 4:57:29 PM

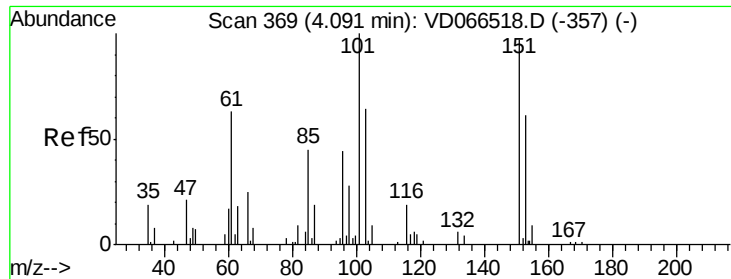


#8

Diethyl Ether
Concen: 52.422 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	27579		
45	71.0	38.6	115.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.902 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

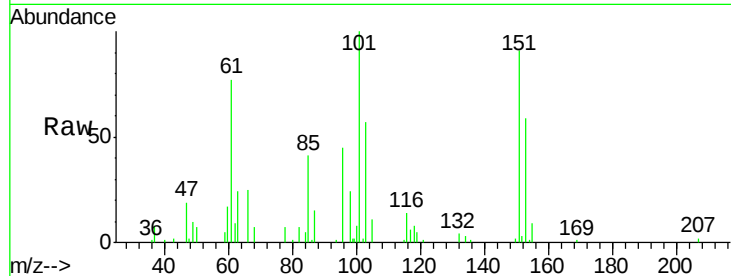
ClientSampleId :

VSTDCCC050EC

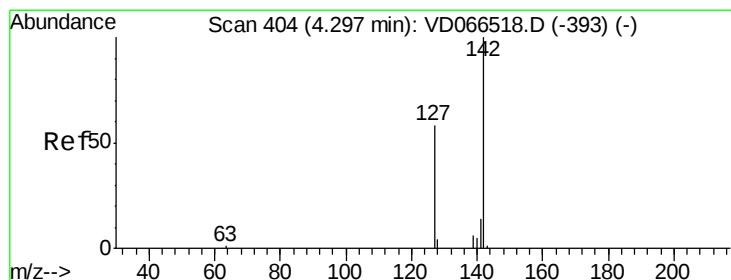
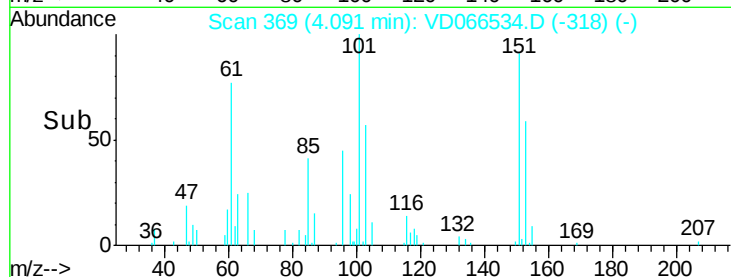
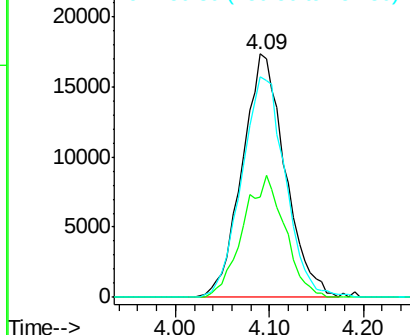
Tot Ion:	101	Resp:	54827
Ion Ratio	Lower	Upper	
101	100		
85	49.0	39.4	59.0
151	92.2	75.5	113.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.904 ug/l

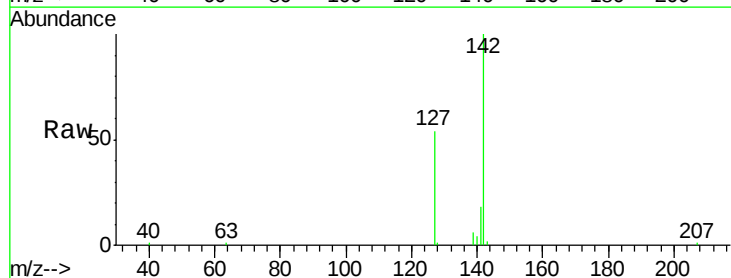
RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

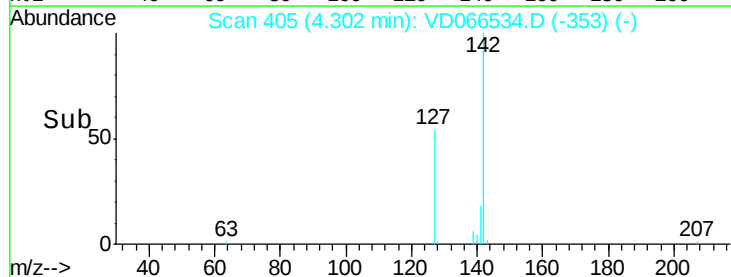
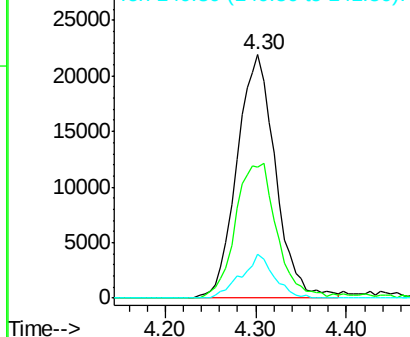
Lab File: VD066534.D

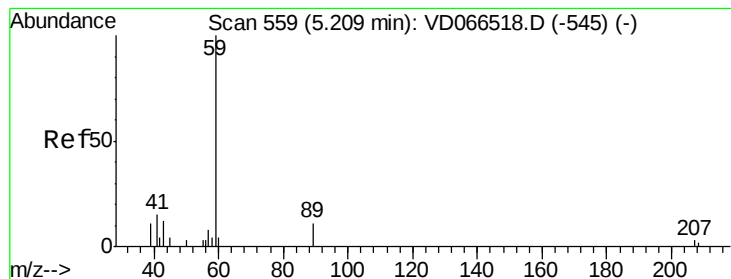
Acq: 02 Sep 2020 20:27

Tgt Ion:	142	Resp:	64685
Ion Ratio	Lower	Upper	
142	100		
127	58.9	46.3	69.5
141	15.3	12.4	18.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

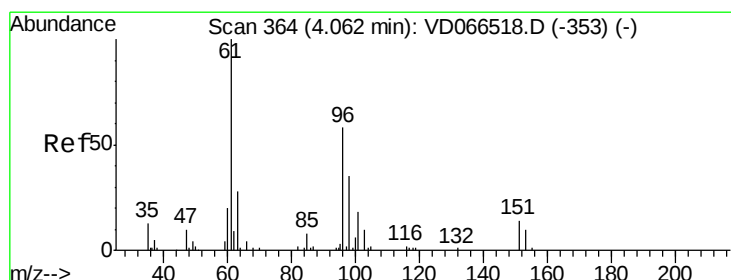
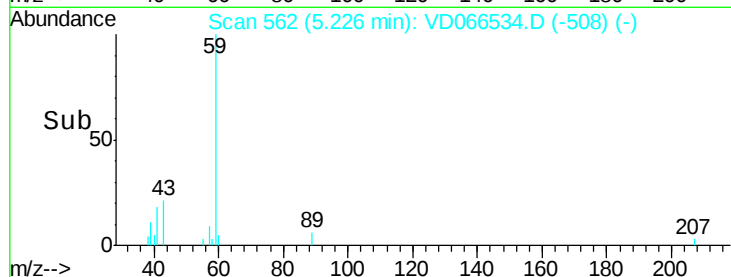
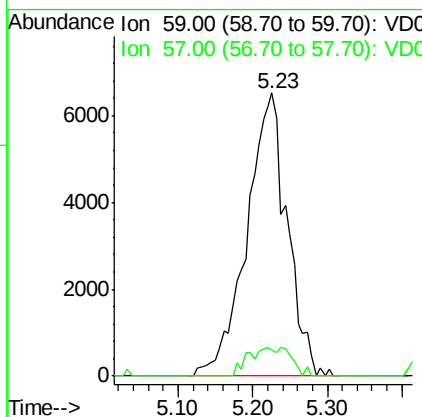
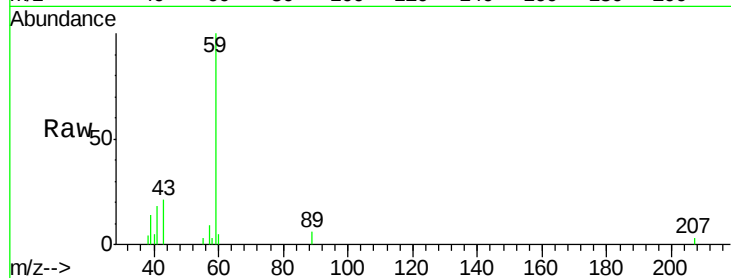
Tert butyl alcohol
Concen: 287.705 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.02 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.8	10.2#

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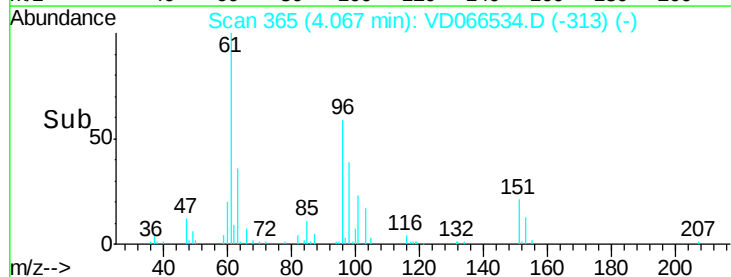
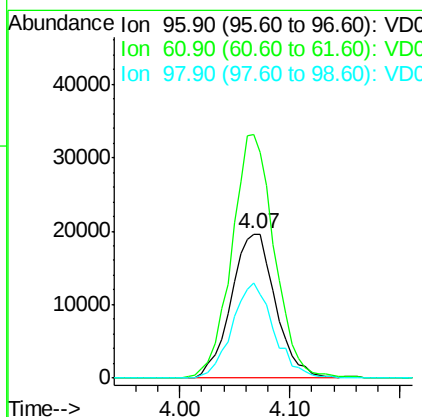
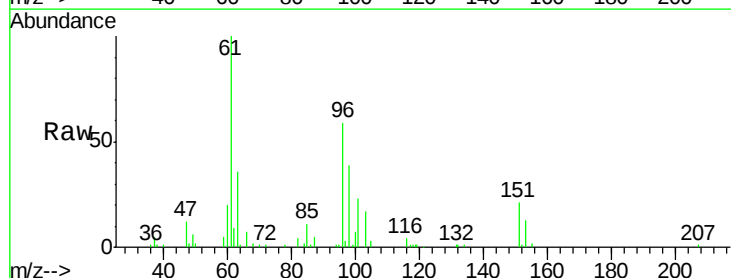
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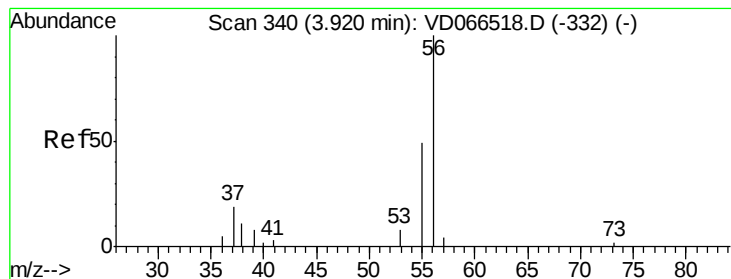


#12

1,1-Dichloroethene
Concen: 50.250 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.6	137.5	206.3
98	65.6	47.8	71.6





#13

Acrolein

Concen: 231.565 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 11910

Ion Ratio Lower Upper

56 100

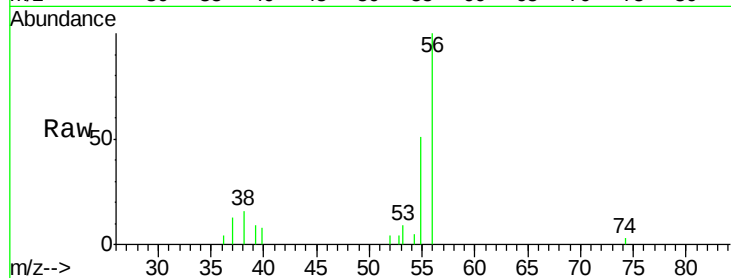
55 67.6 53.0 79.4

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

4000

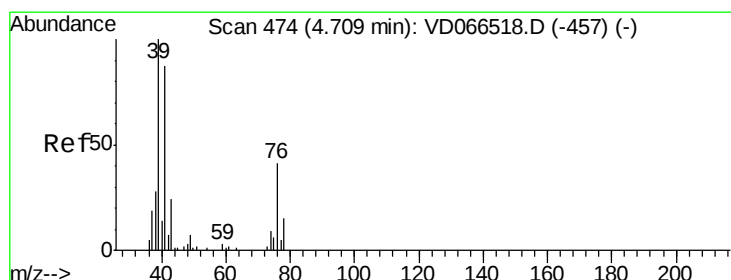
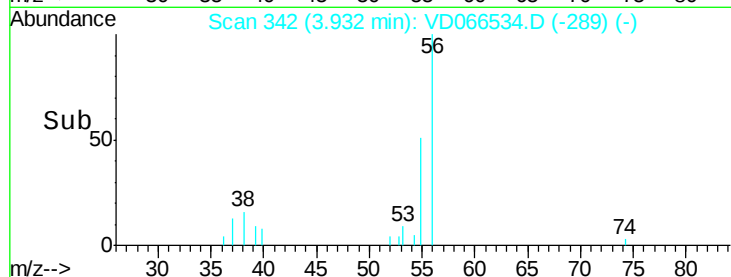
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 51.877 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

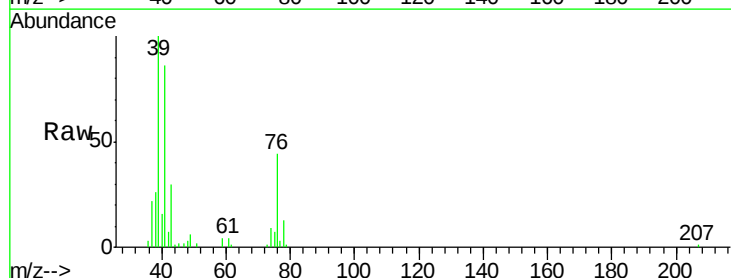
Tgt Ion: 41 Resp: 63702

Ion Ratio Lower Upper

41 100

39 122.2 93.8 140.8

76 50.8 39.4 59.0



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

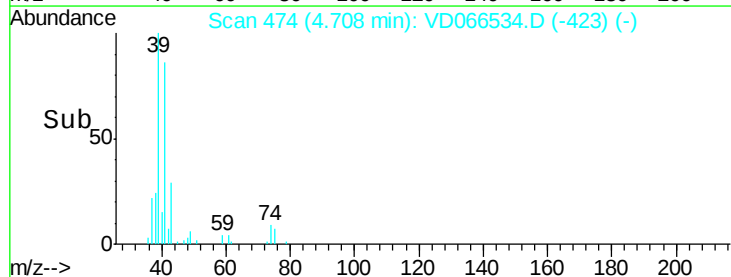
30000

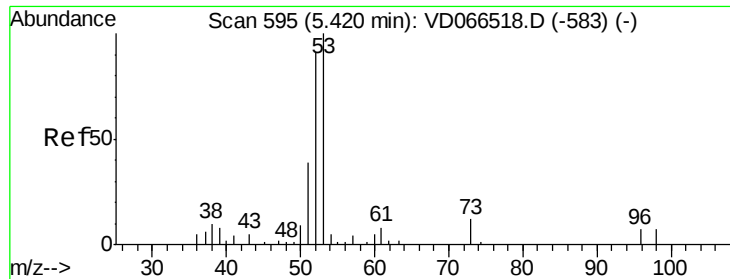
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 277.274 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

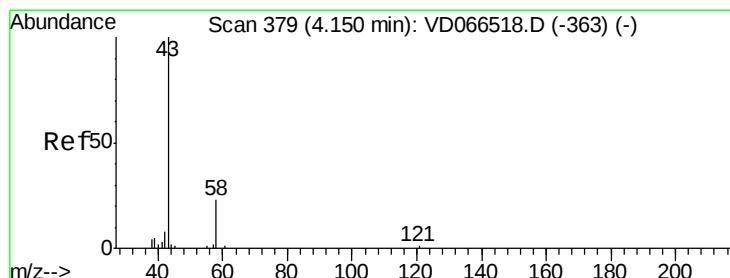
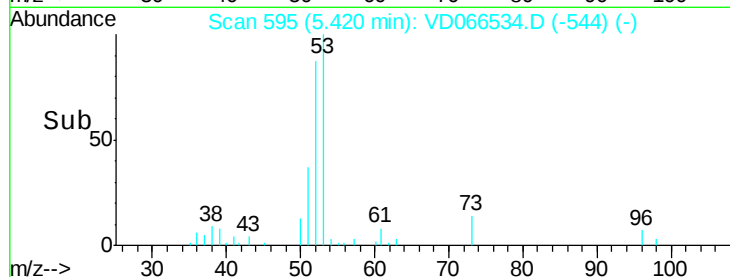
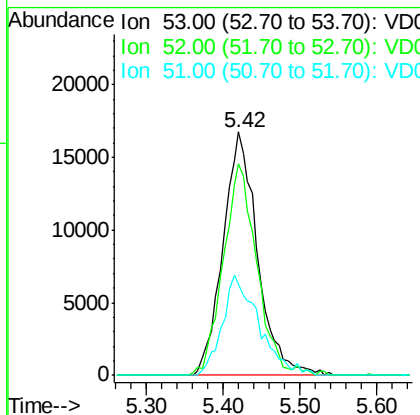
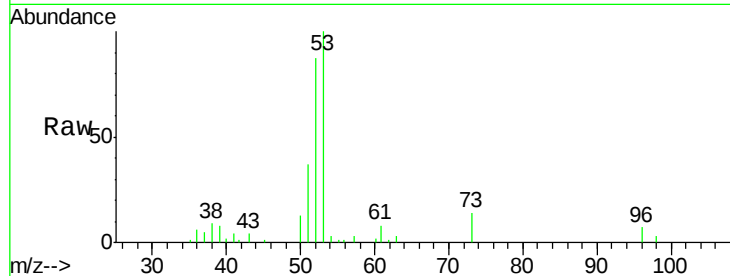
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	52311
Ion	Ratio	Lower	Upper
53	100		
52	83.5	71.0	106.4
51	43.6	35.8	53.6

Manual Integrations
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#16

Acetone

Concen: 240.918 ug/l

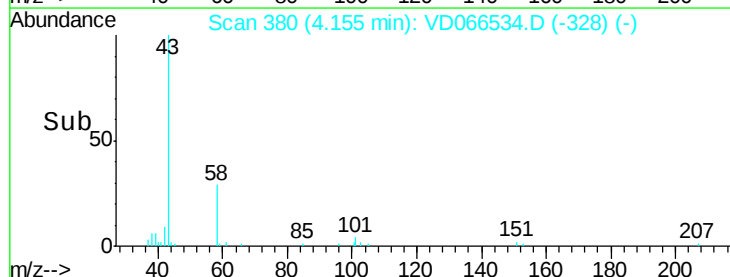
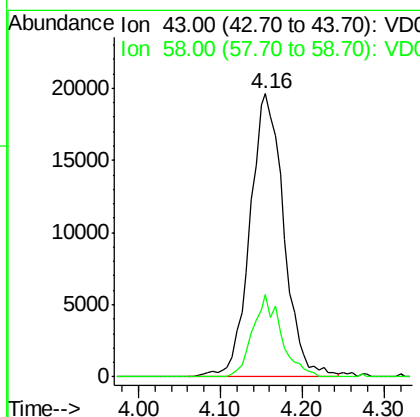
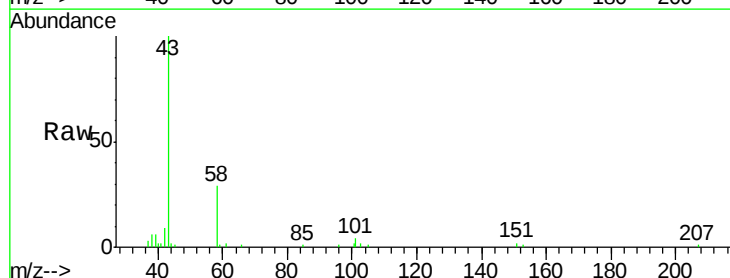
RT: 4.16 min Scan# 380

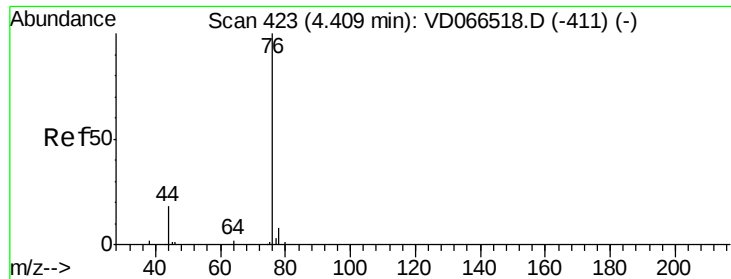
Delta R.T. 0.01 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Tgt Ion:	43	Resp:	56418
Ion	Ratio	Lower	Upper
43	100		
58	29.0	18.1	27.1#





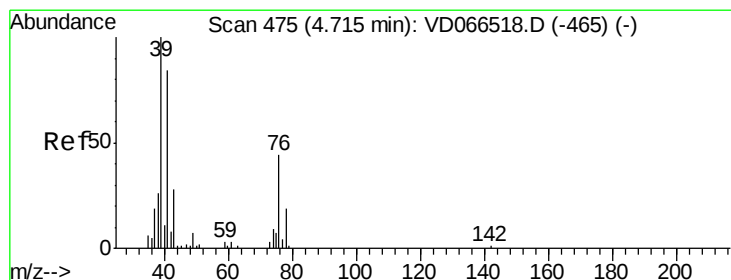
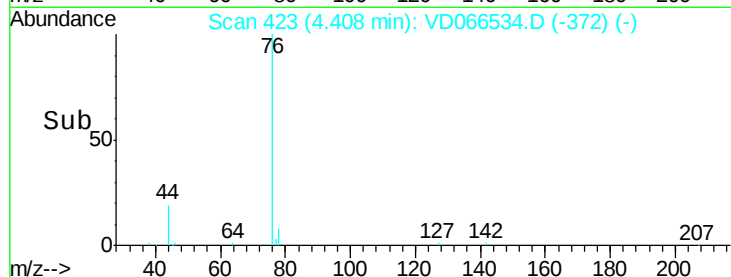
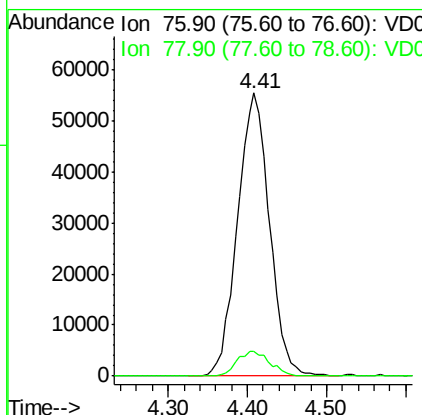
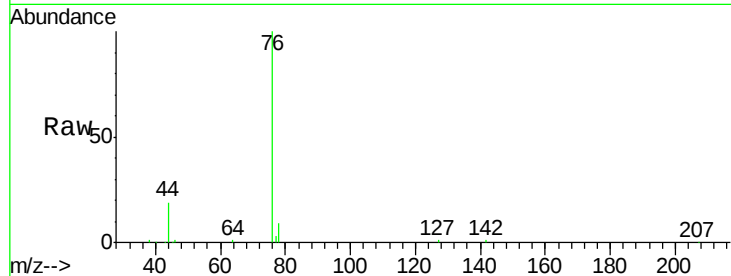
#17
Carbon Disulfide
Concen: 48.887 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.2	9.4

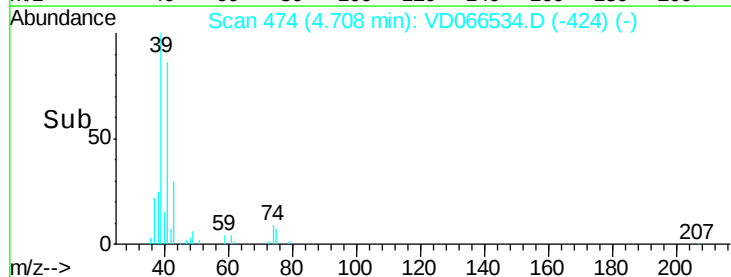
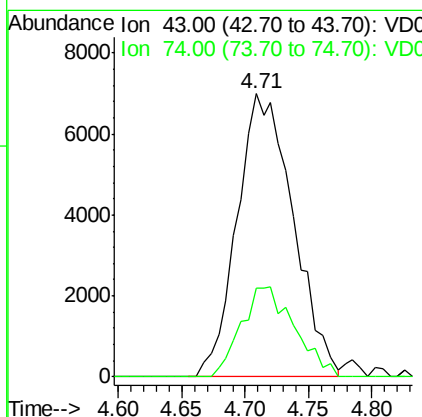
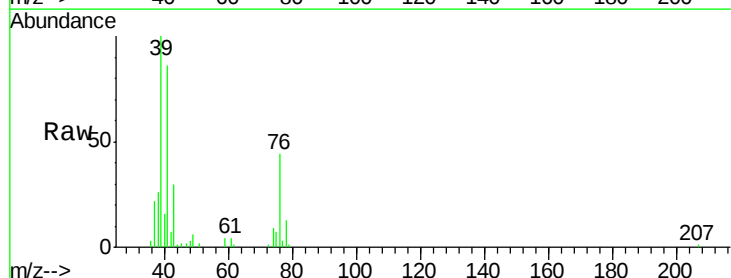
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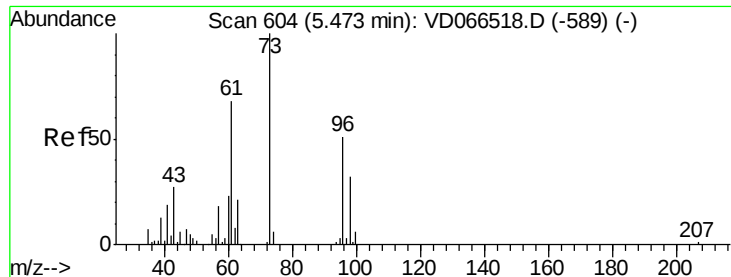
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#18
Methyl Acetate
Concen: 57.142 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.3	26.3	39.5





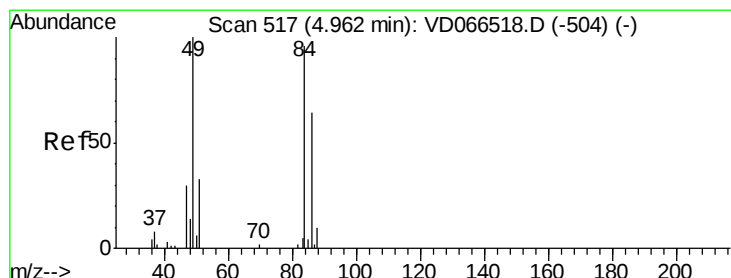
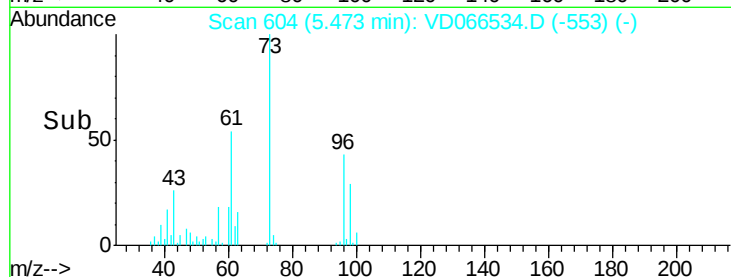
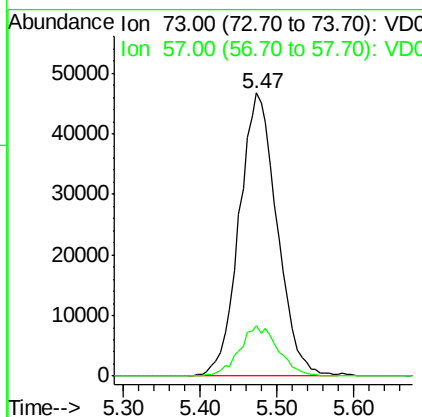
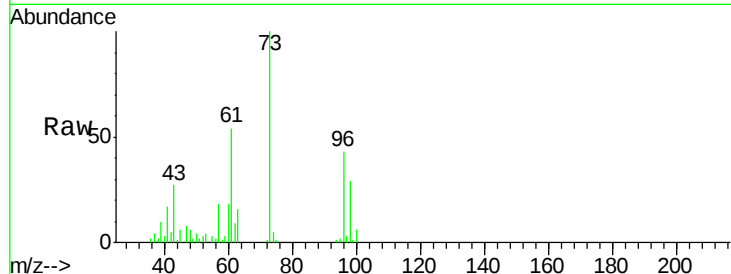
#19
Methyl tert-butyl Ether
Concen: 56.075 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 160730
Ion Ratio Lower Upper
73 100
57 17.8 14.6 22.0

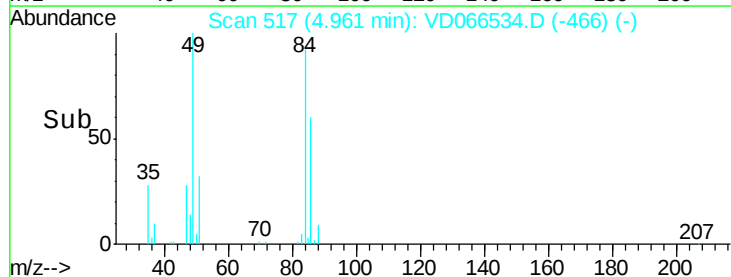
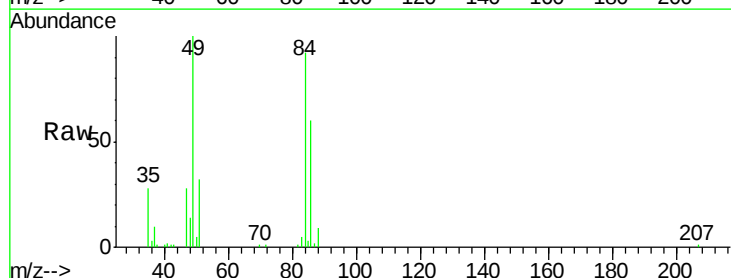
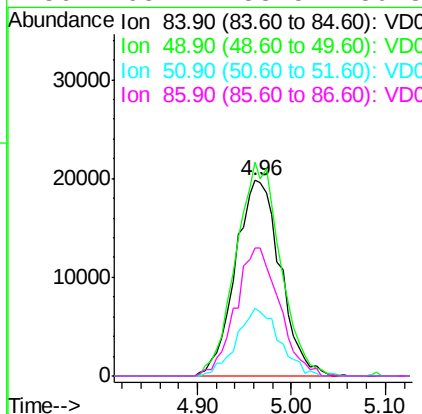
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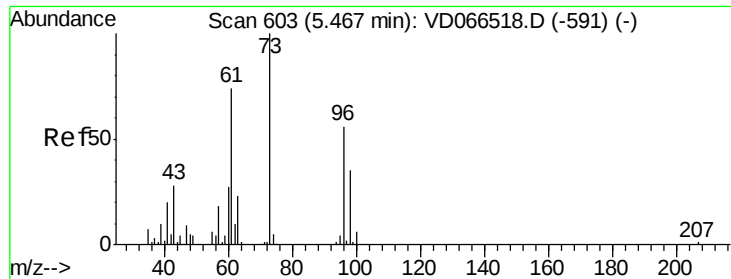
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#20
Methylene Chloride
Concen: 56.646 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion: 84 Resp: 65785
Ion Ratio Lower Upper
84 100
49 109.2 83.5 125.3
51 34.7 27.8 41.8
86 65.7 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 51.875 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 65182

Ion Ratio Lower Upper

96 100

61 128.7 106.6 160.0

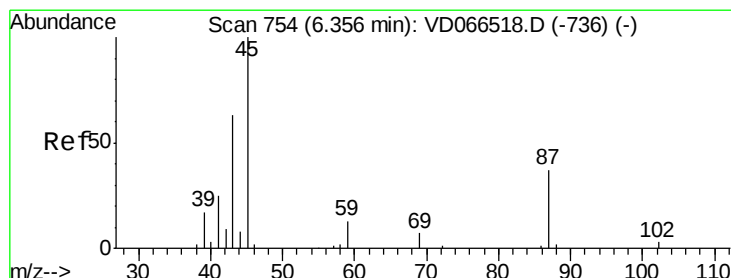
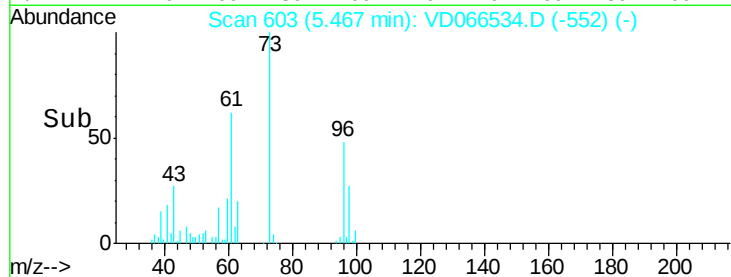
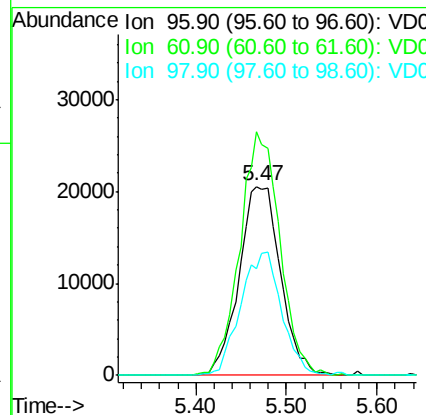
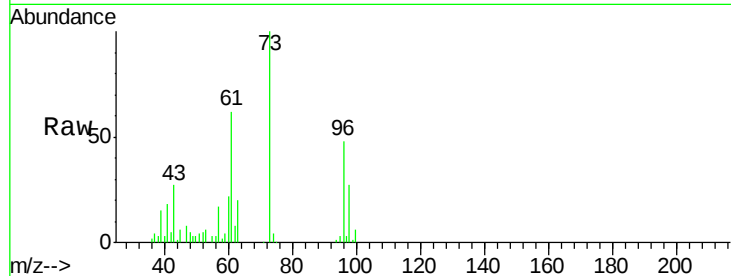
98 56.6 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 51.579 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Tgt Ion: 45 Resp: 126938

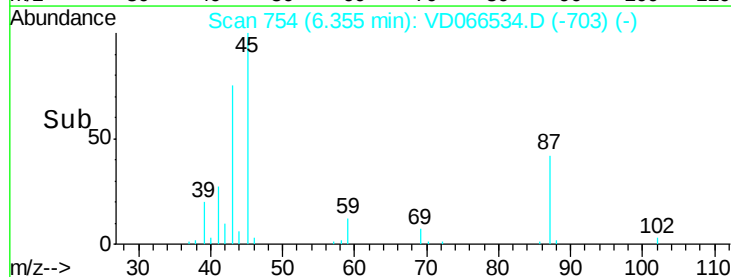
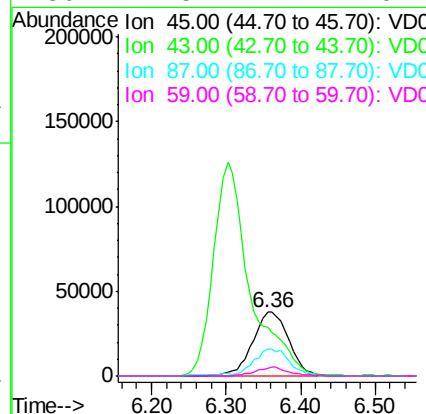
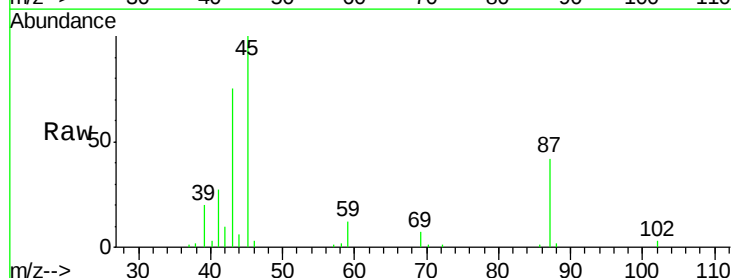
Ion Ratio Lower Upper

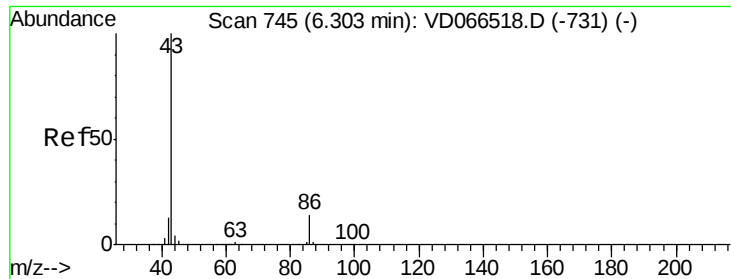
45 100

43 74.3 53.4 80.0

87 42.3 30.2 45.4

59 12.5 11.1 16.7





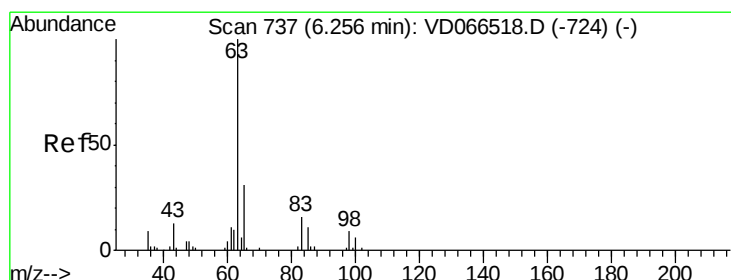
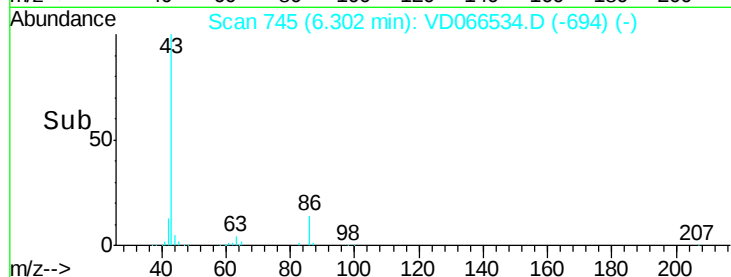
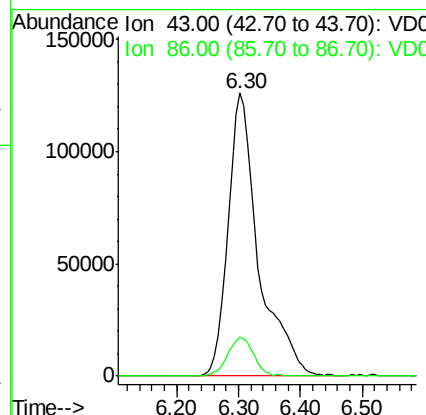
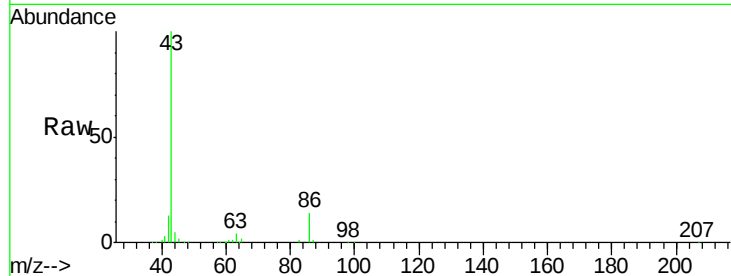
#23
 Vinyl Acetate
 Concen: 272.790 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
86	13.9	11.3	16.9

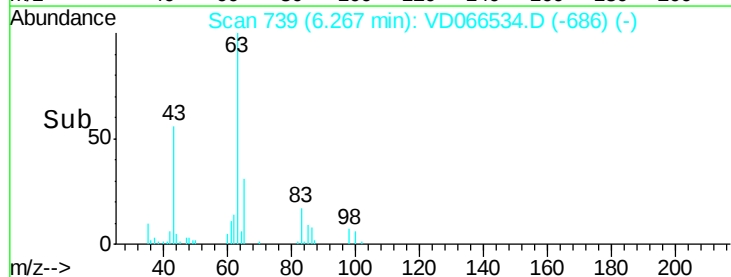
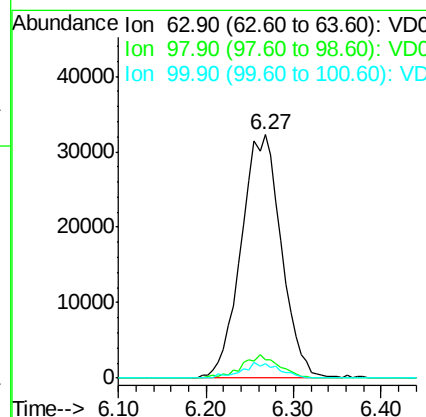
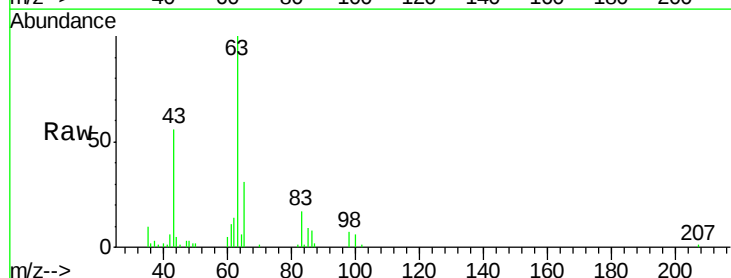
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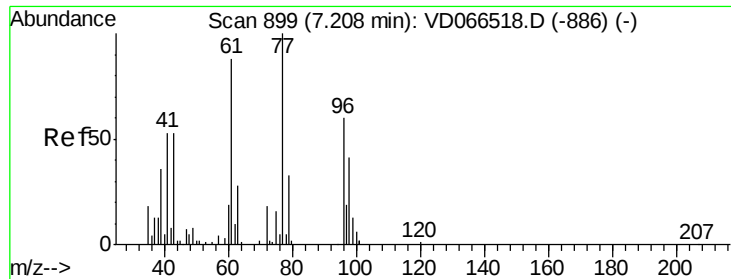
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#24
 1,1-Dichloroethane
 Concen: 52.150 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.3	4.3	13.1
100	5.7	2.9	8.7





#25

2-Butanone

Concen: 260.779 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 63208

Ion Ratio Lower Upper

43 100

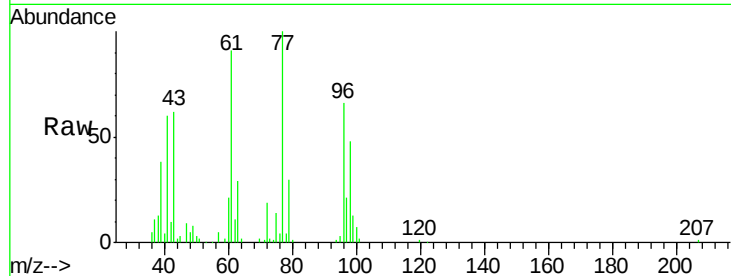
72 31.1 26.8 40.2

Manual Integrations

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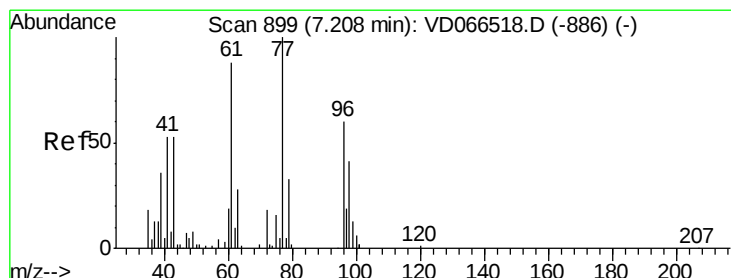
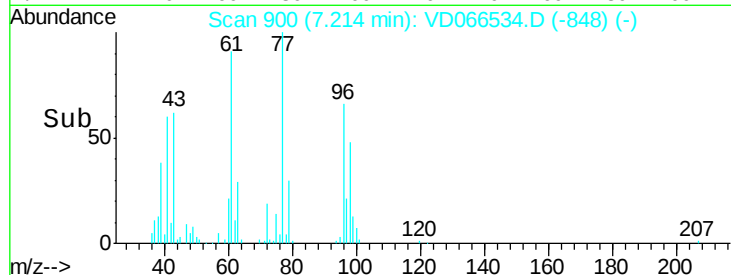
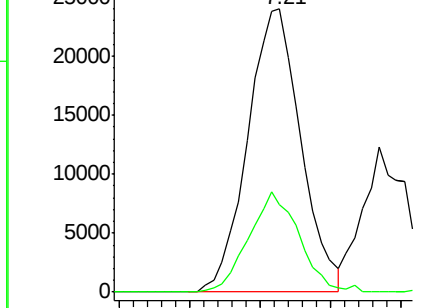
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.802 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066534.D

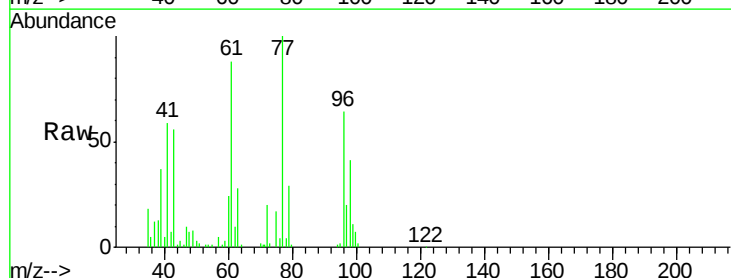
Acq: 02 Sep 2020 20:27

Tgt Ion: 77 Resp: 119524

Ion Ratio Lower Upper

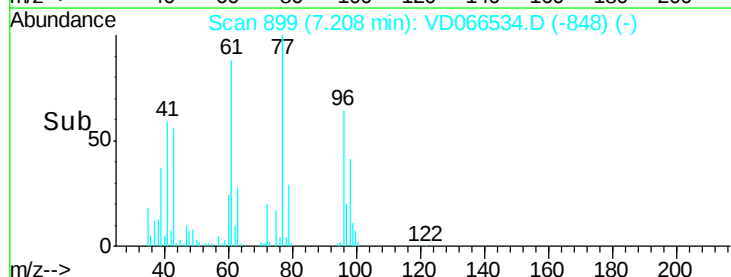
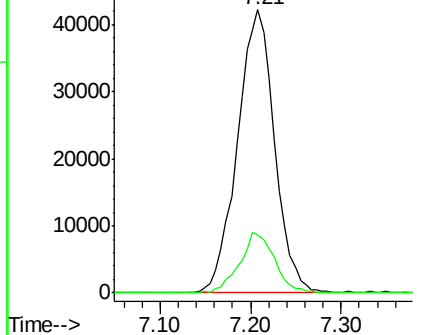
77 100

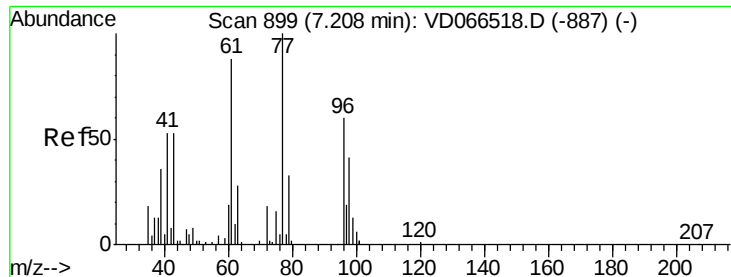
97 20.0 10.2 30.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

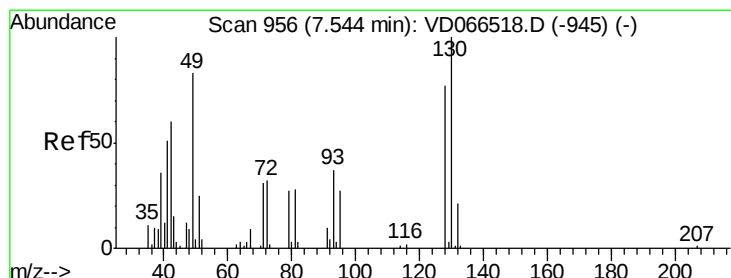
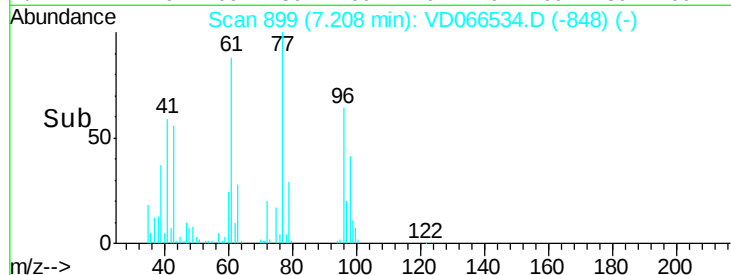
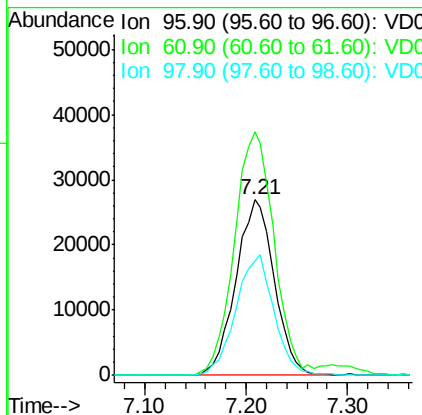
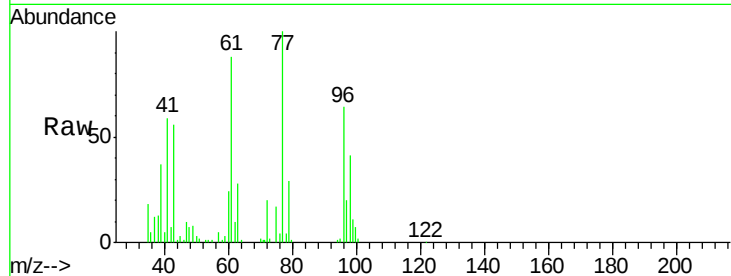
cis-1,2-Dichloroethene
Concen: 51.977 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.1	0.0	292.8	
98	67.9	0.0	130.2	

Manual Integrations
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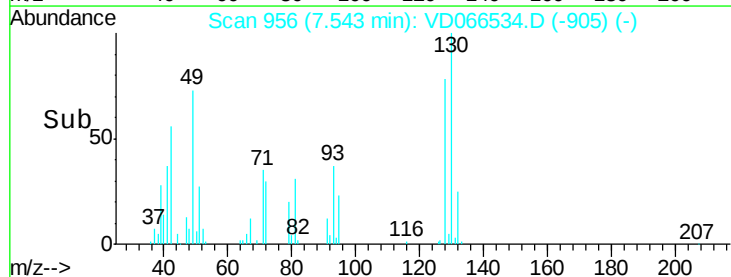
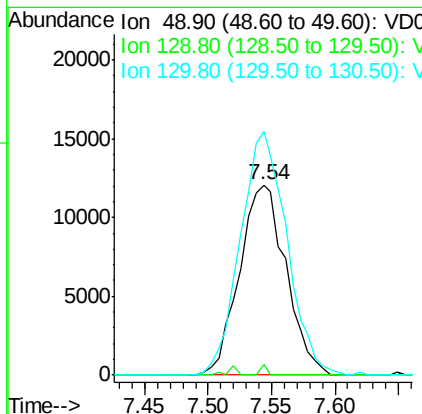
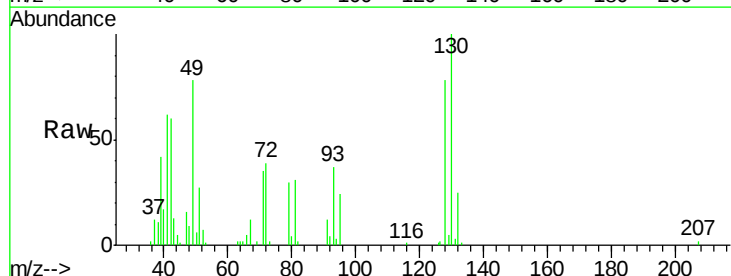
MMDadoda
9/3/2020 4:57:29 PM

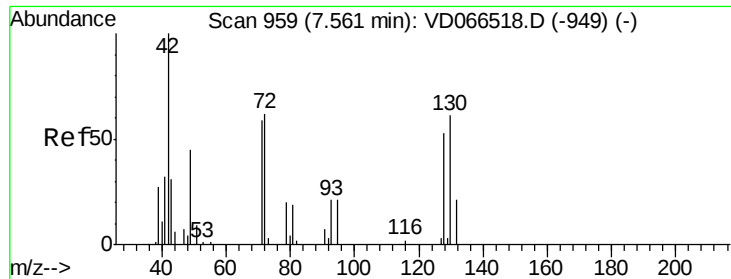


#28

Bromochloromethane
Concen: 55.090 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.8	0.0	1.2	
130	128.1	98.0	147.0	





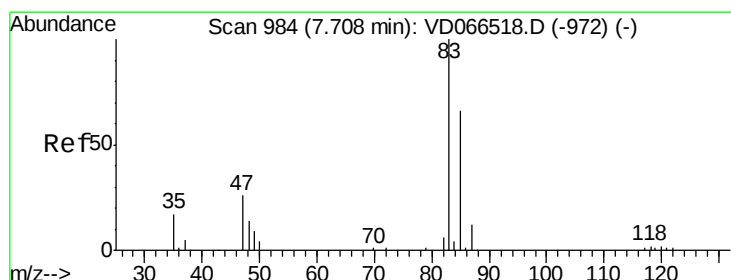
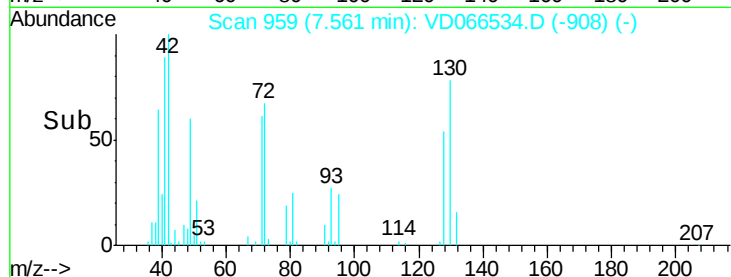
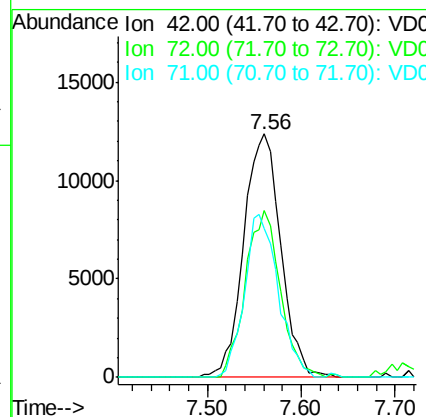
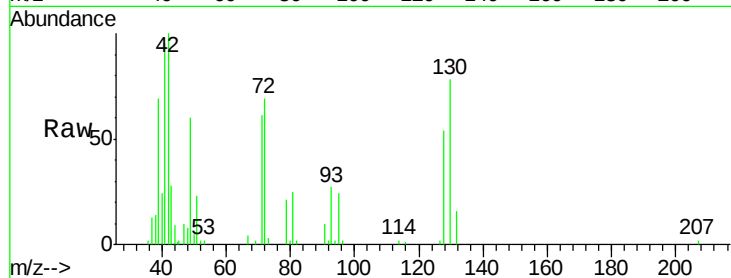
#29
Tetrahydrofuran
Concen: 270.867 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	64.5	48.6	72.8
71	61.2	43.2	64.8

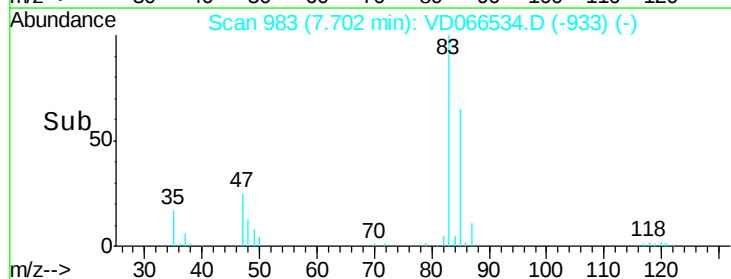
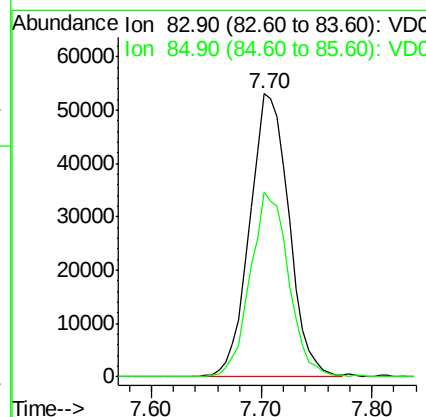
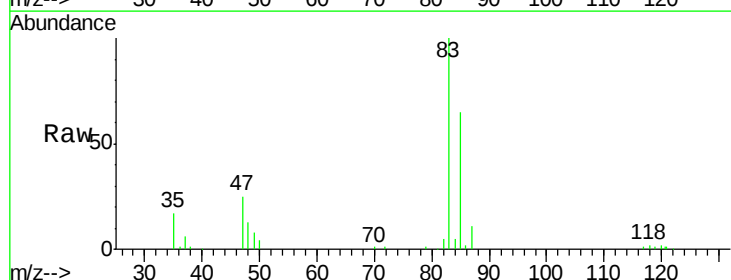
Manual Integrations
APPROVED

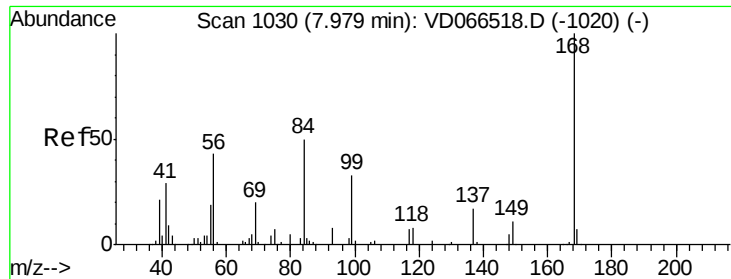
MMDadoda
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#30
Chloroform
Concen: 53.058 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.01 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.6	79.0





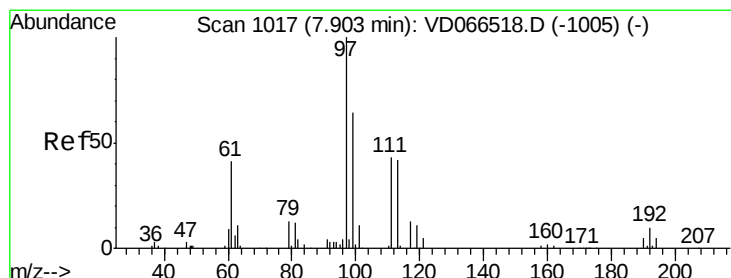
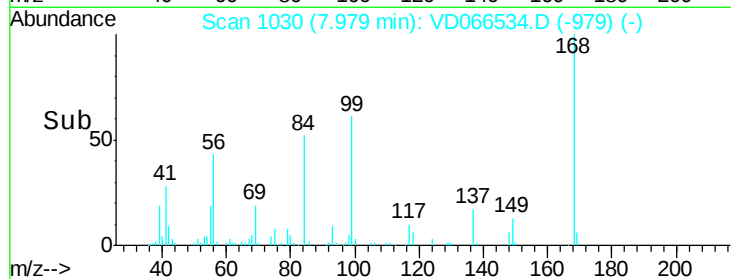
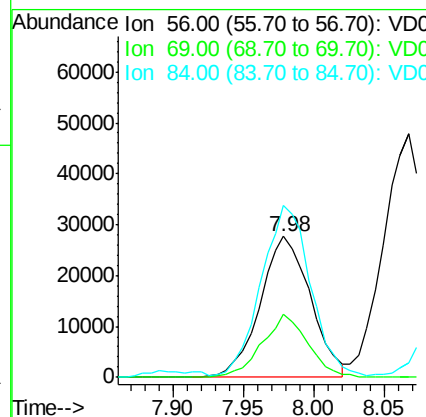
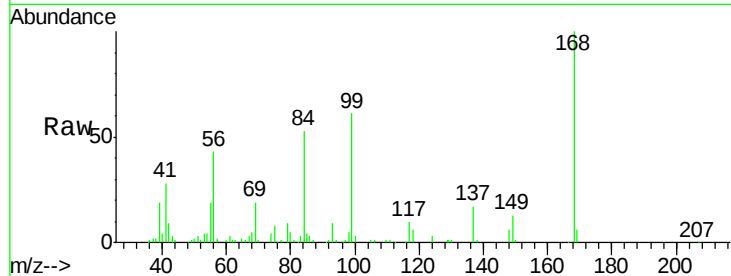
#31
Cyclohexane
Concen: 46.265 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	68923
Ion Ratio	Lower	Upper	
56	100		
69	44.4	36.8	55.2
84	118.9	93.4	140.0

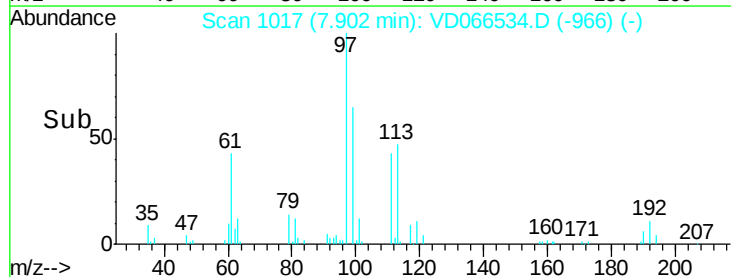
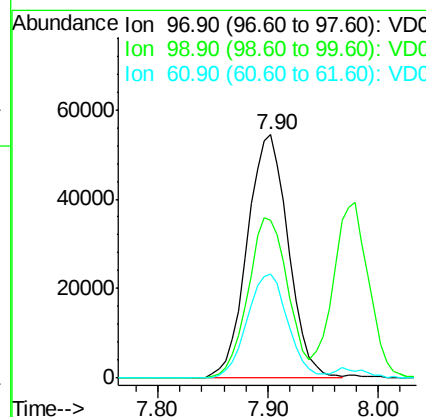
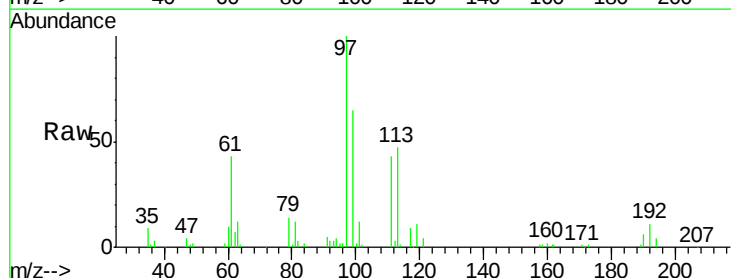
Manual Integrations
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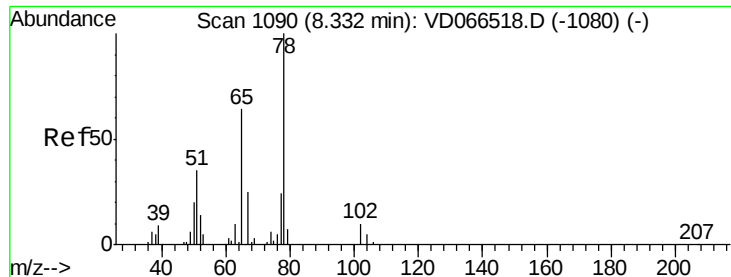
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.093 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	97	Resp	142019
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.7	77.5
61	42.6	32.6	48.8





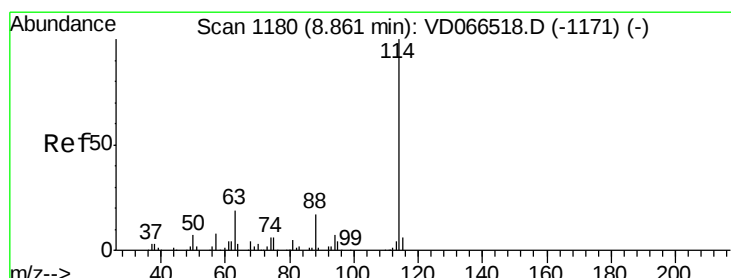
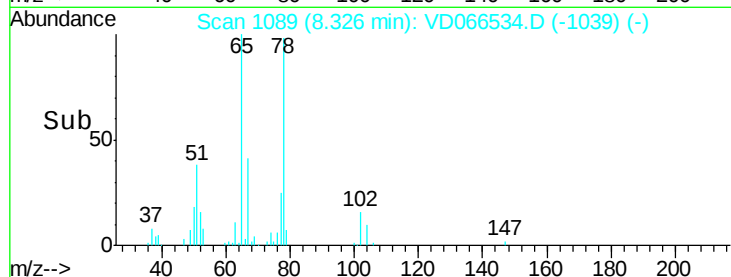
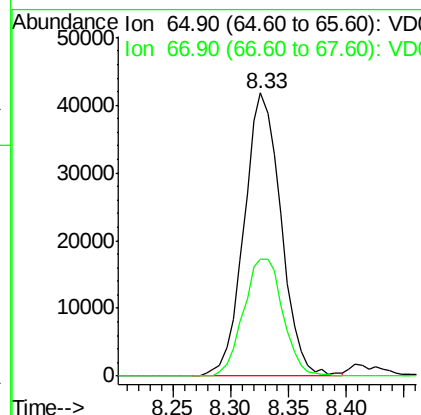
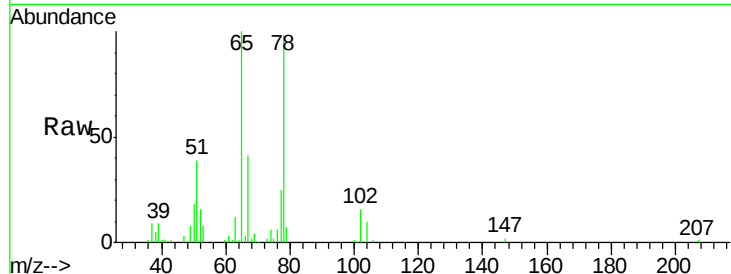
#33
 1,2-Dichloroethane-d4
 Concen: 58.840 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	65	Resp	93172
Ion	Ratio	Lower	Upper
65	100		
67	44.0	0.0	88.2

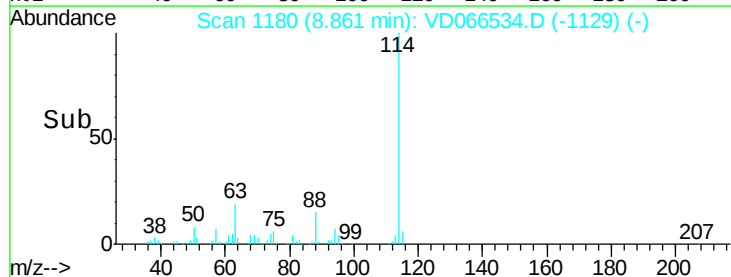
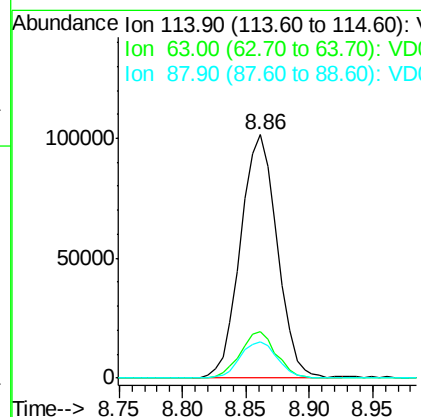
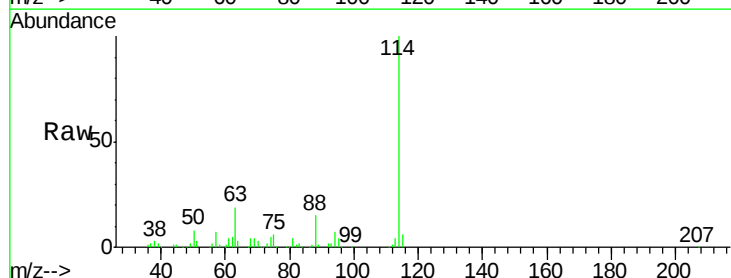
Manual Integrations
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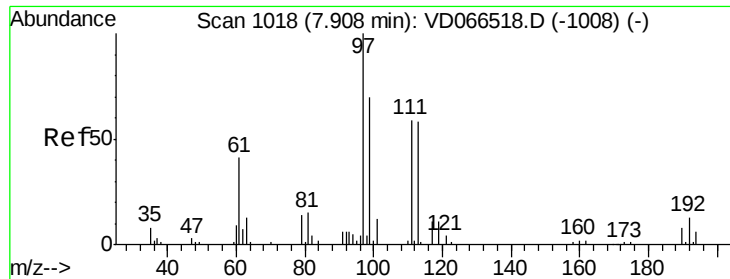
MMDadoda
 9/3/2020 4:57:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Tgt Ion	114	Resp	204450
Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	38.6
88	14.9	0.0	33.6





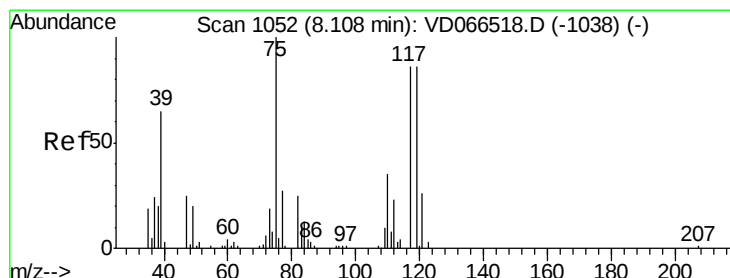
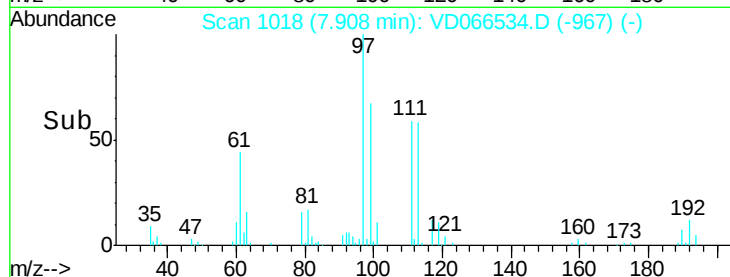
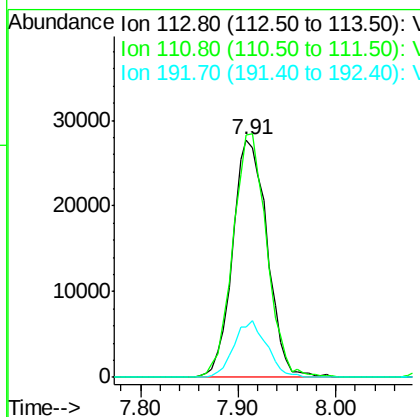
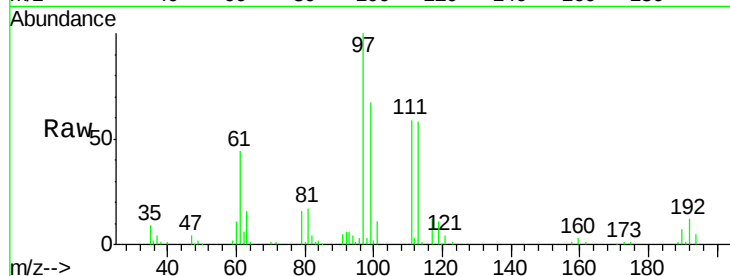
#35
 Dibromofluoromethane
 Concen: 55.526 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.5	123.7
192	22.5	20.7	31.1

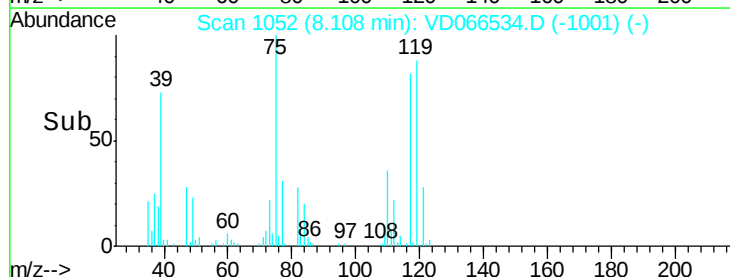
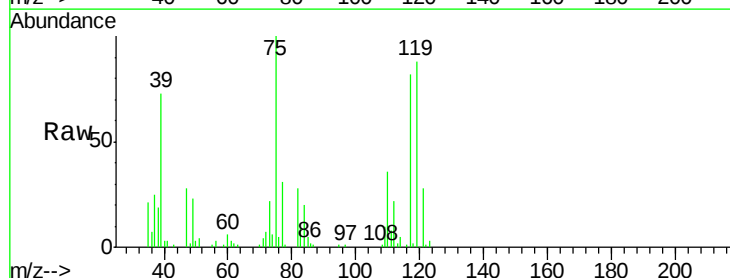
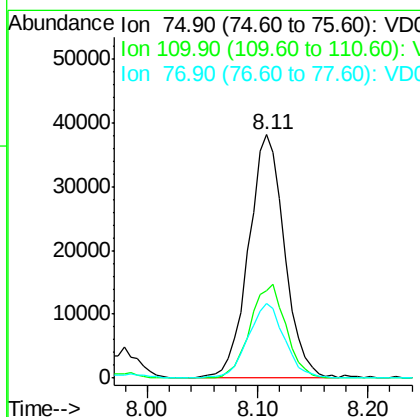
Manual Integrations
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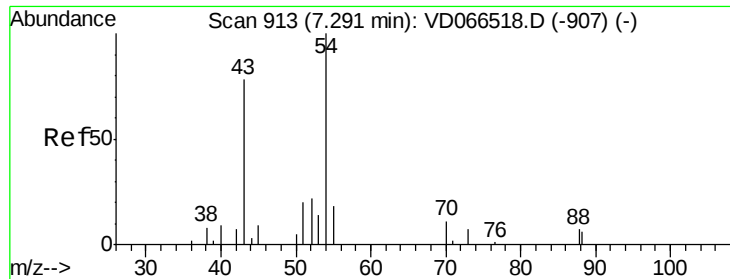
MMDadoda
 9/3/2020 4:57:29 PM



#36
 1,1-Dichloropropene
 Concen: 48.574 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.3	18.4	55.2
77	31.1	24.6	36.8





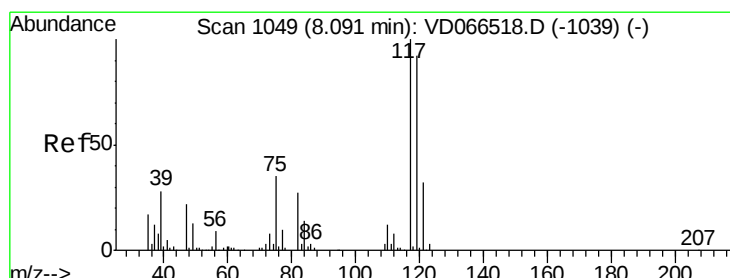
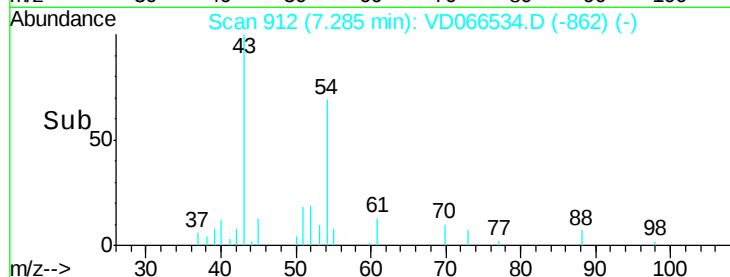
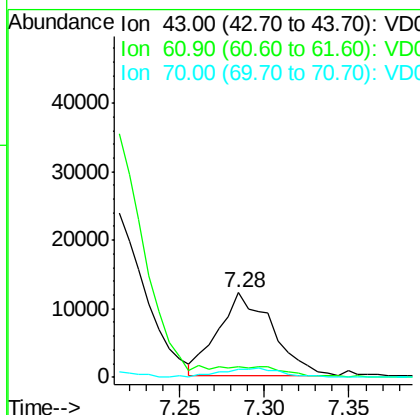
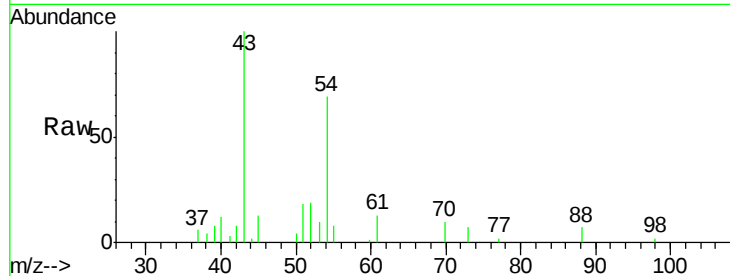
#37
Ethyl Acetate
Concen: 50.149 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	12.6	10.2	15.2

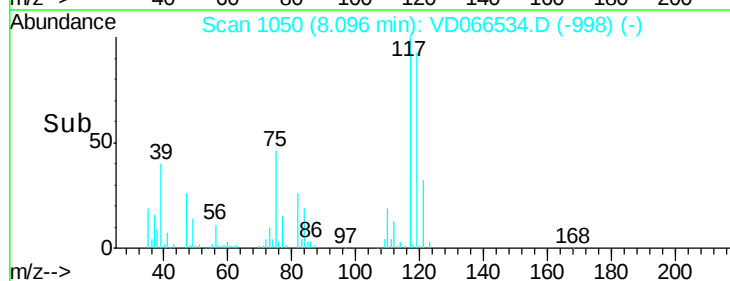
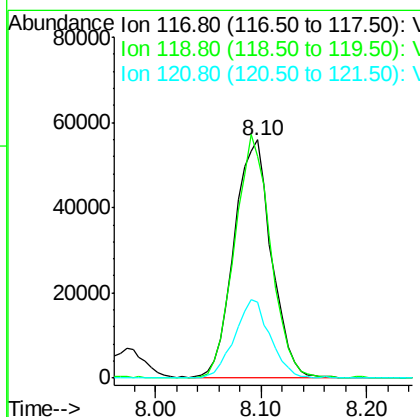
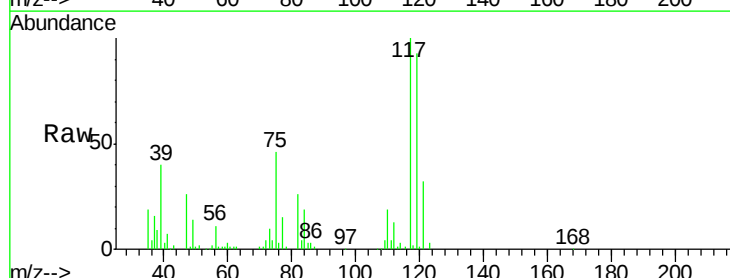
Manual Integrations
APPROVED

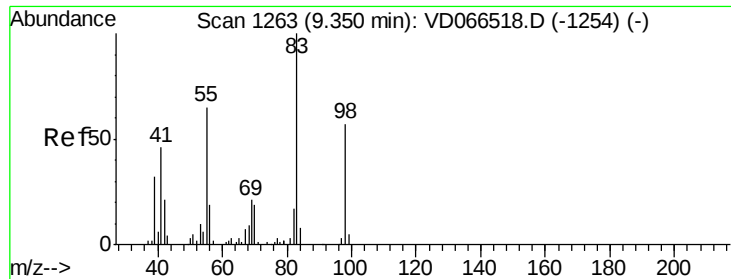
MMDadoda
9/3/2020 4:57:29 PM



#38
Carbon Tetrachloride
Concen: 50.541 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	73.9	110.9
121	31.8	25.6	38.4





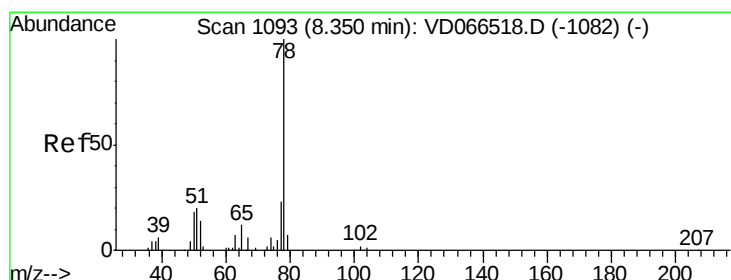
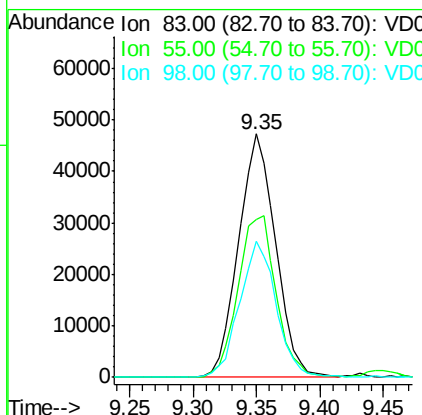
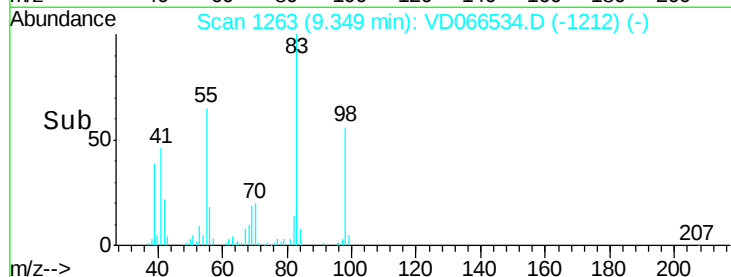
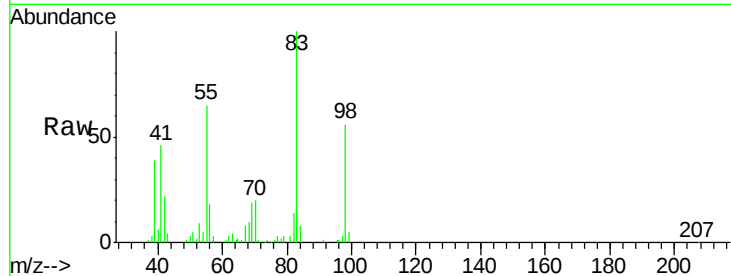
#39
Methvlcvclohexane
Concen: 45.837 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	95978
Ion Ratio	100	Lower	Upper
83	100		
55	64.7	52.2	78.2
98	55.7	45.6	68.4

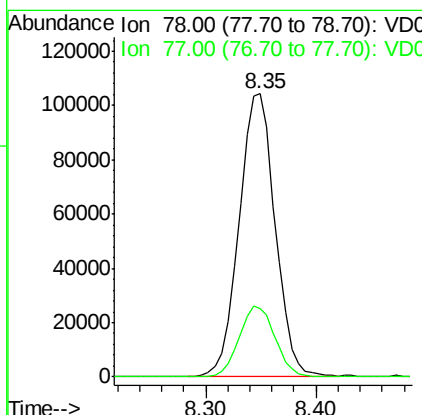
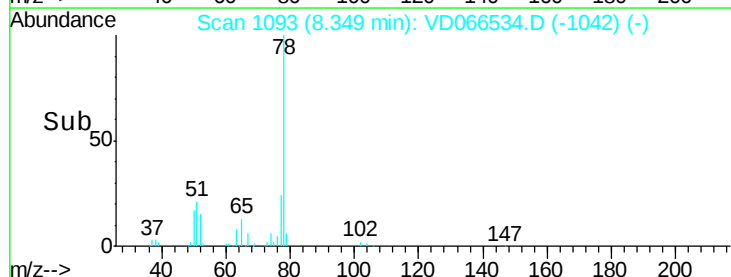
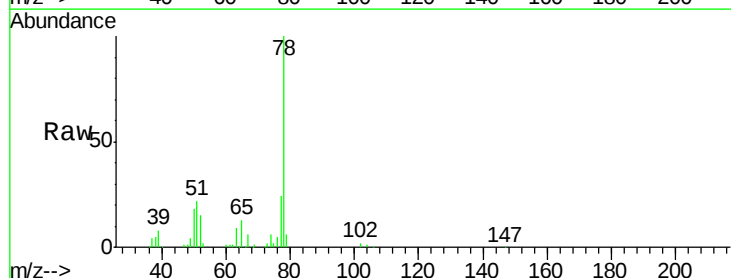
Manual Integrations
APPROVED

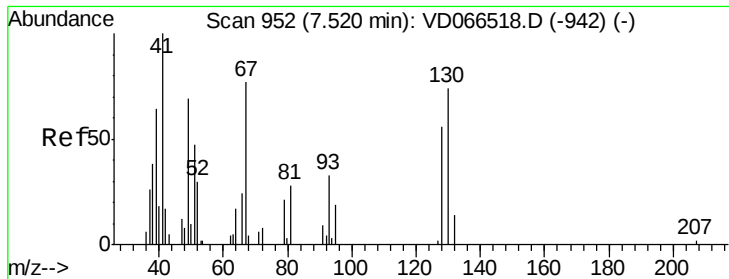
MMDadoda
9/3/2020 4:57:29 PM



#40
Benzene
Concen: 51.898 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	78	Resp	239935
Ion Ratio	100	Lower	Upper
78	100		
77	24.3	18.1	27.1





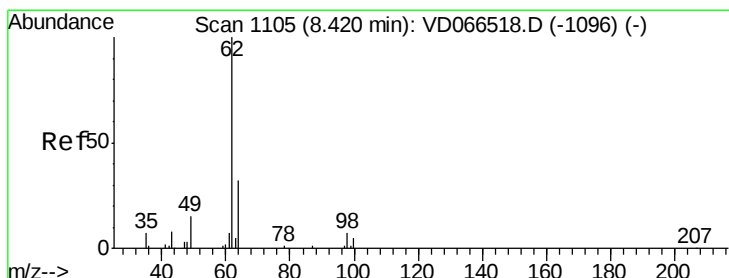
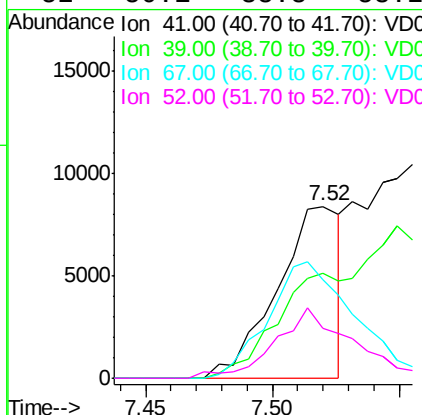
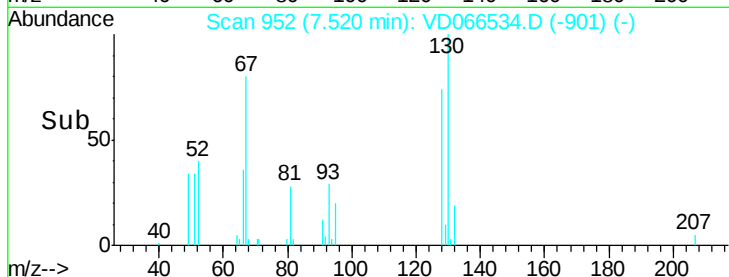
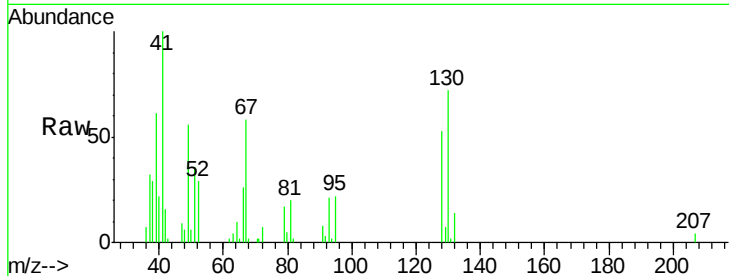
#41
Methacrylonitrile
Concen: 52.301 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	92.8	85.0	127.4
52	50.1	38.8	58.2

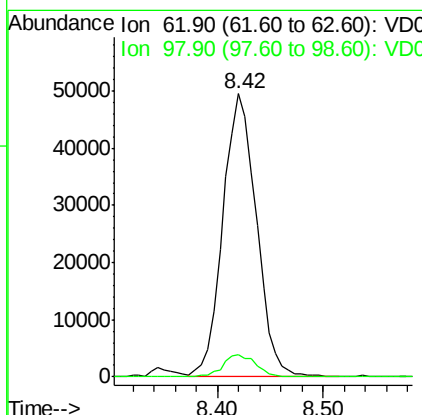
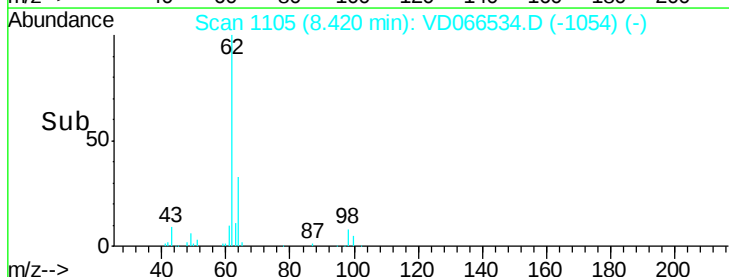
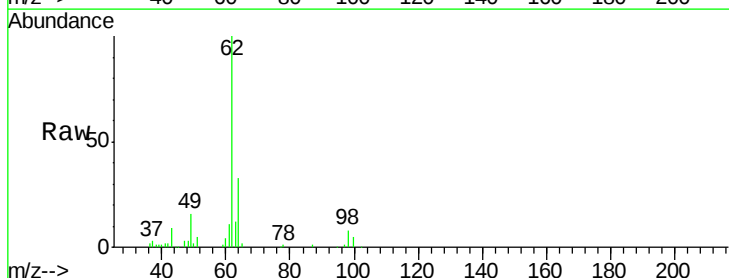
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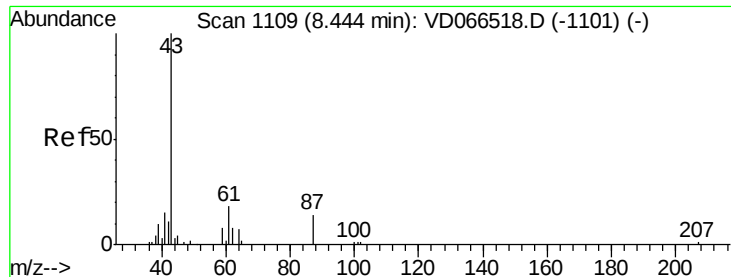
MMDadoda
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#42
1,2-Dichloroethane
Concen: 55.830 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2





#43

Isopropyl Acetate

Concen: 54.311 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

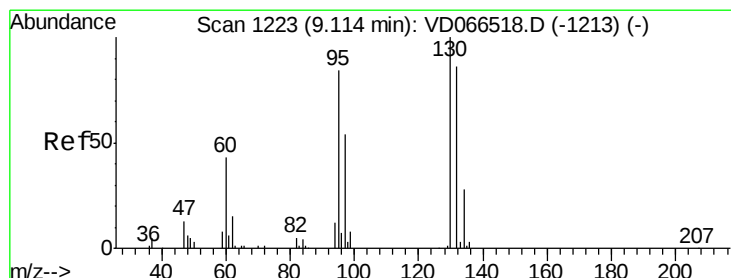
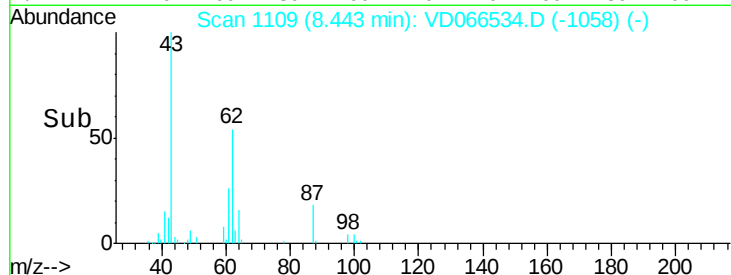
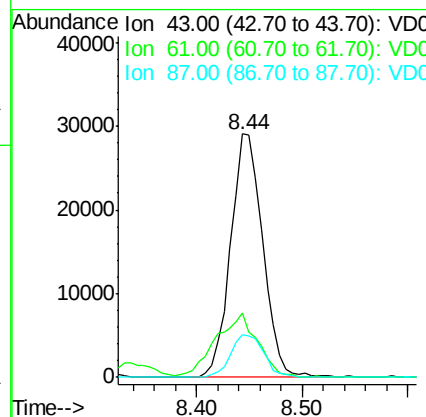
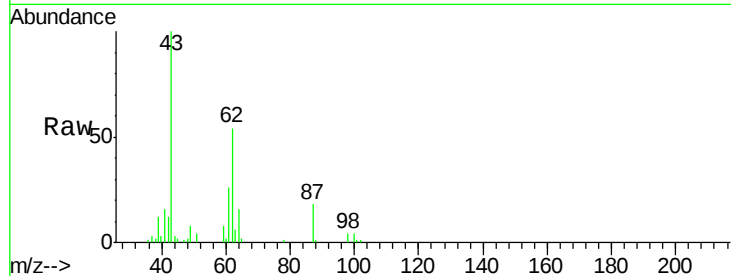
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	61206
Ion	Ratio	Lower	Upper
43	100		
61	34.4	26.9	40.3
87	18.1	12.9	19.3

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#44

Trichloroethene

Concen: 50.920 ug/l

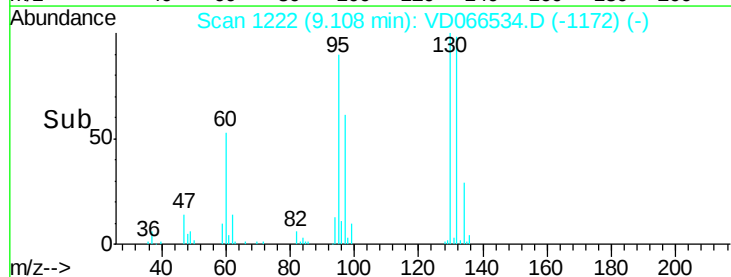
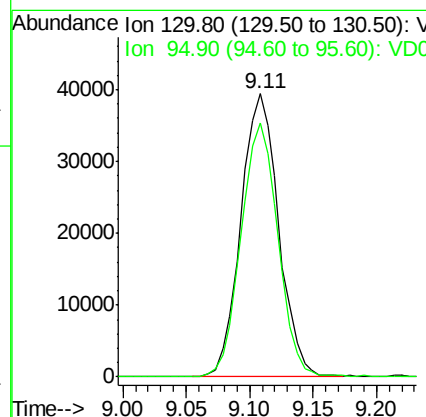
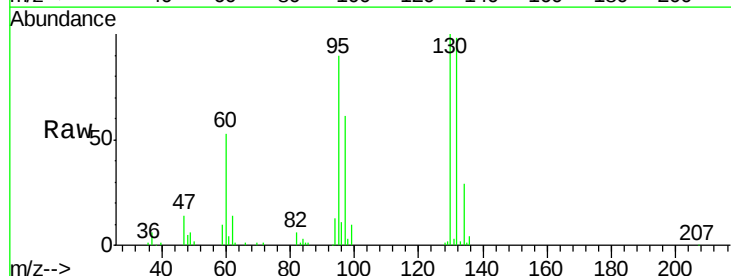
RT: 9.11 min Scan# 1222

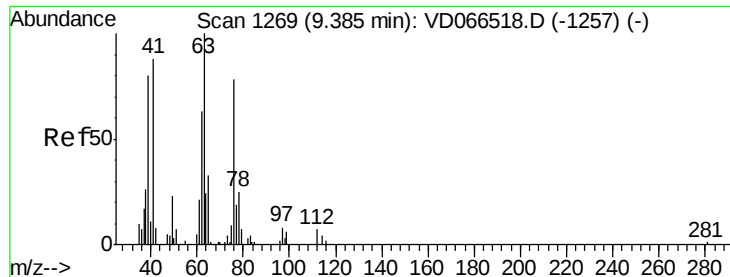
Delta R.T. -0.01 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Tgt Ion:	130	Resp:	81254
Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	167.2





#45

1,2-Dichloropropane

Concen: 49.764 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 45649

Ion Ratio Lower Upper

63 100

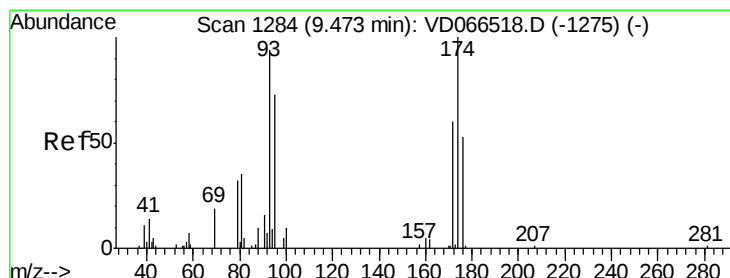
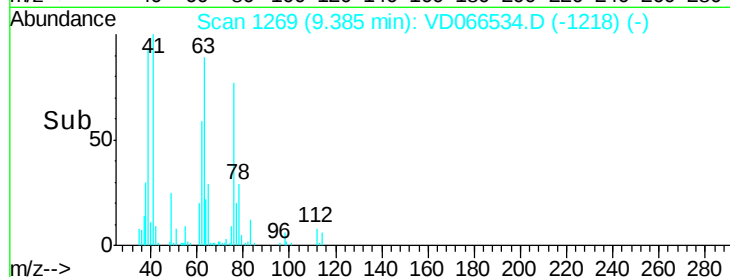
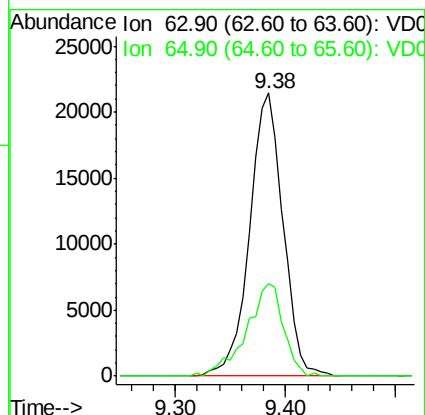
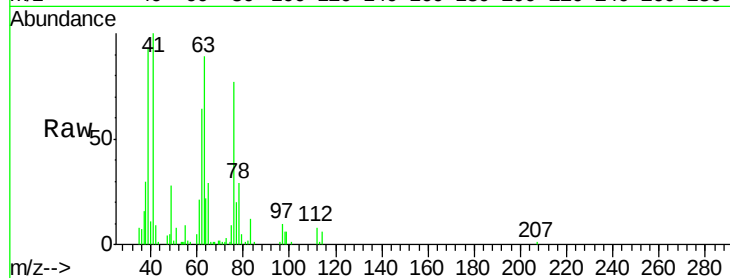
65 32.8 26.2 39.4

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#46

Dibromomethane

Concen: 52.603 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

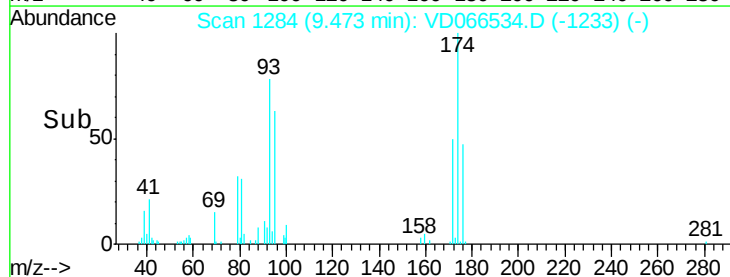
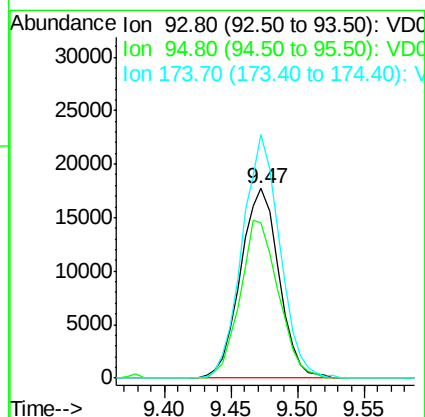
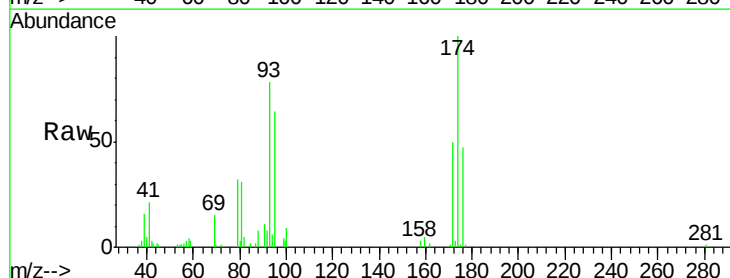
Tgt Ion: 93 Resp: 35326

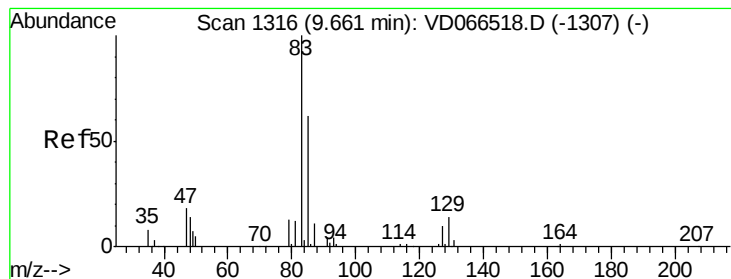
Ion Ratio Lower Upper

93 100

95 82.3 63.9 95.9

174 125.3 94.4 141.6





#47

Bromodichloromethane

Concen: 53.660 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

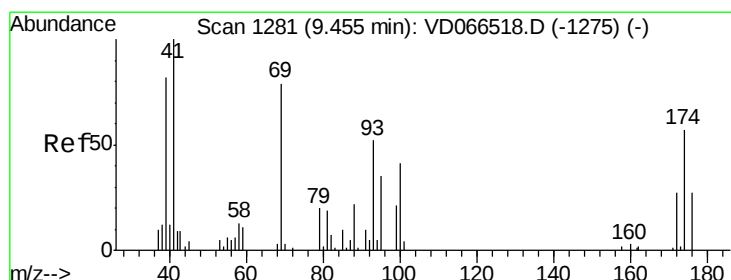
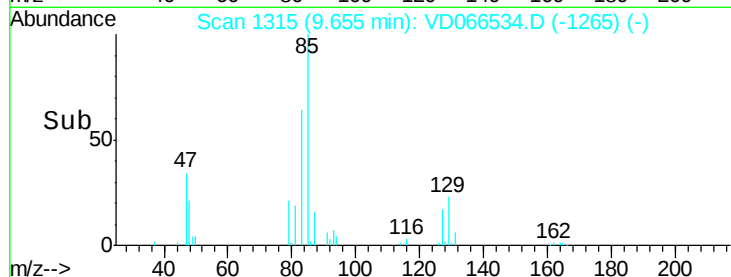
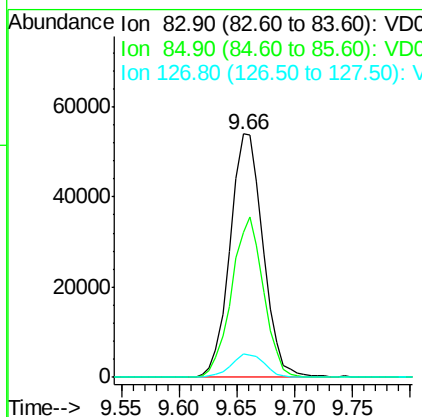
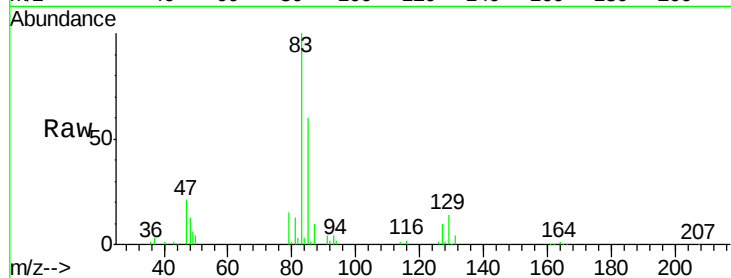
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	107104
Ion	Ratio	Lower	Upper
83	100		
85	59.6	49.6	74.4
127	9.9	7.8	11.6

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#48

Methyl methacrylate

Concen: 54.110 ug/l

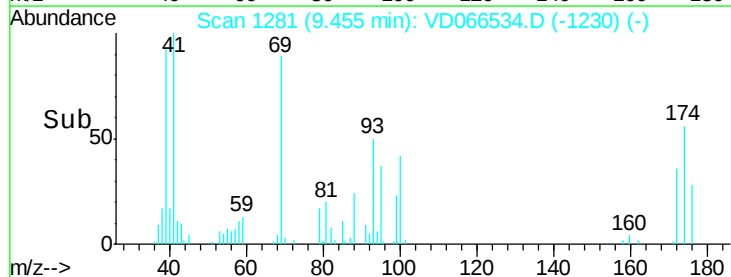
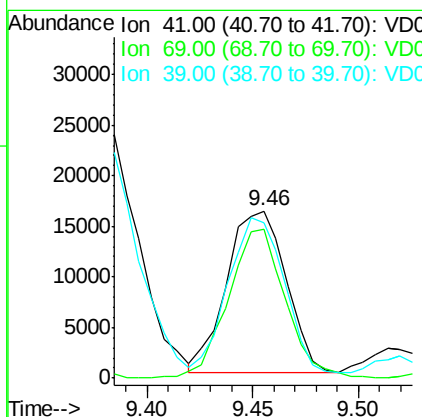
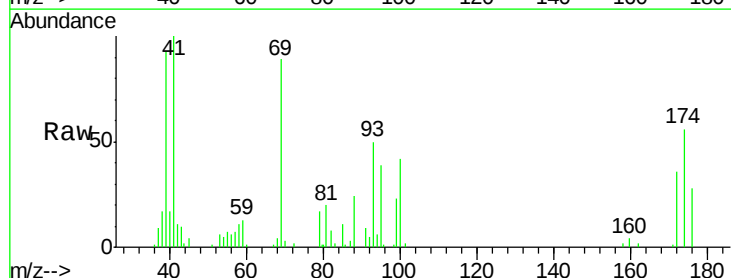
RT: 9.46 min Scan# 1281

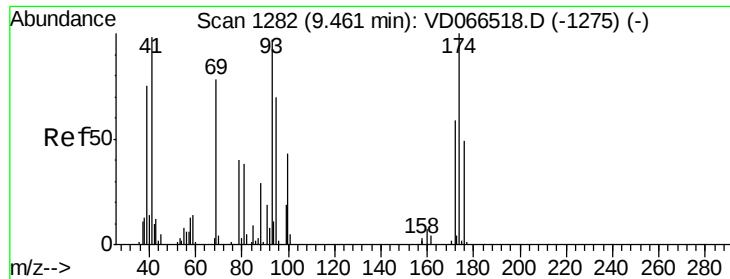
Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Tgt Ion:	41	Resp:	31076
Ion	Ratio	Lower	Upper
41	100		
69	89.2	71.1	106.7
39	91.5	75.4	113.2





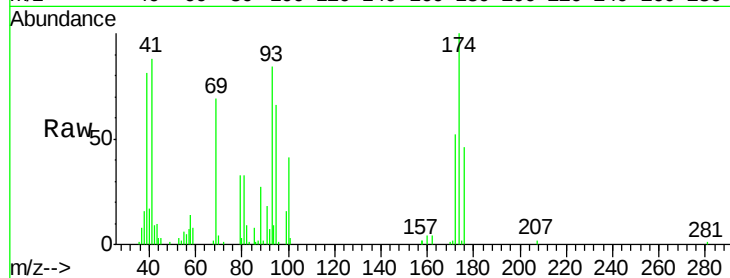
#49
 1,4-Dioxane
 Concen: 1052.814 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

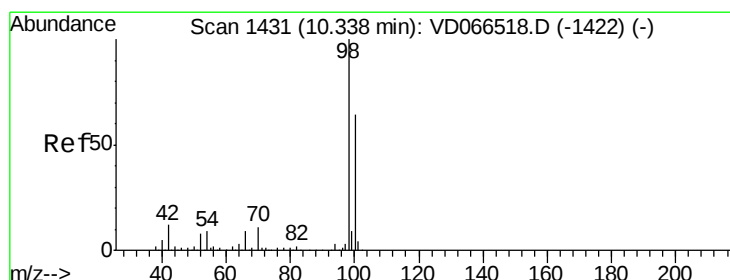
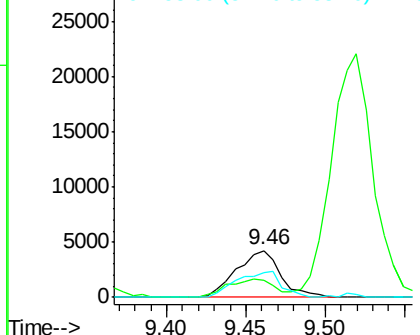
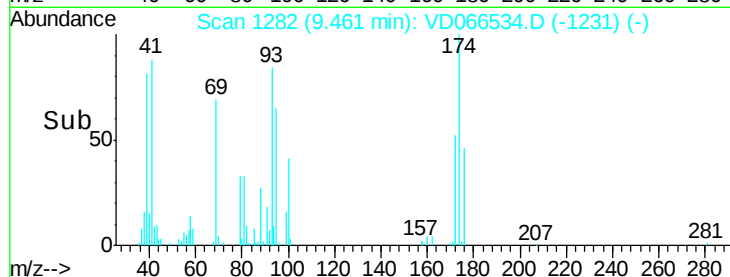
Tot Ion	88	Resp	8184
Ion	Ratio	Lower	Upper
88	100		
43	42.1	33.8	50.6
58	55.2	46.2	69.4

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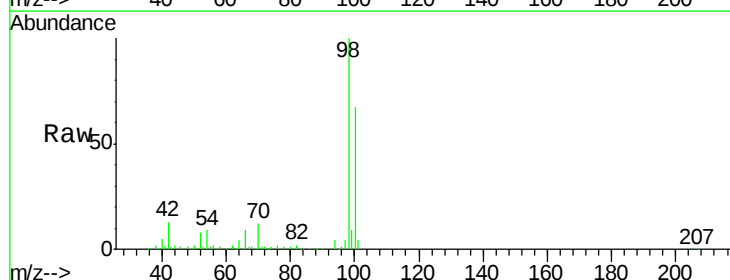


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

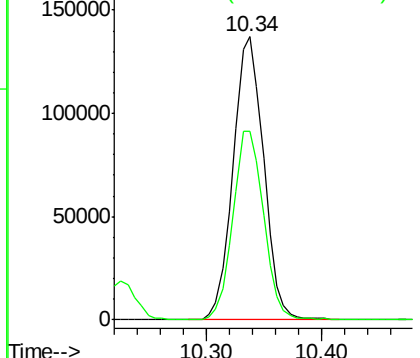
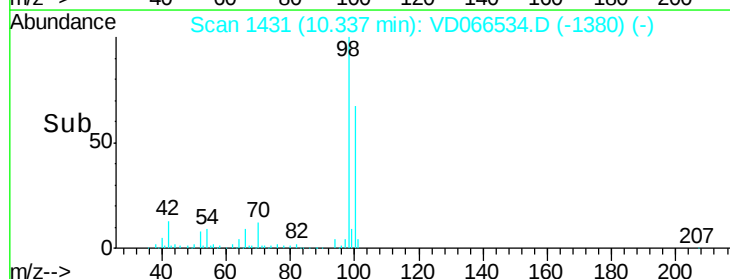


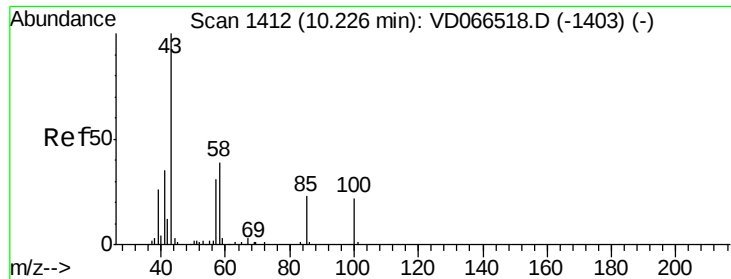
#50
 Toluene-d8
 Concen: 54.539 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Tgt Ion	98	Resp	251825
Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.8	79.2



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





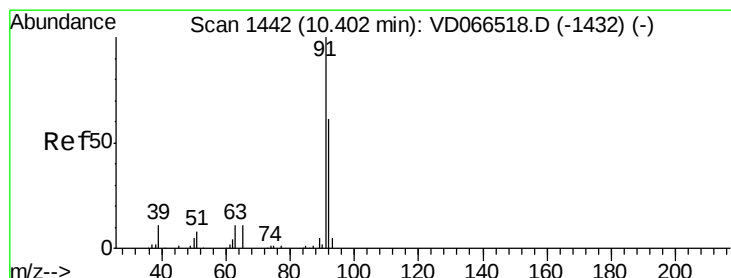
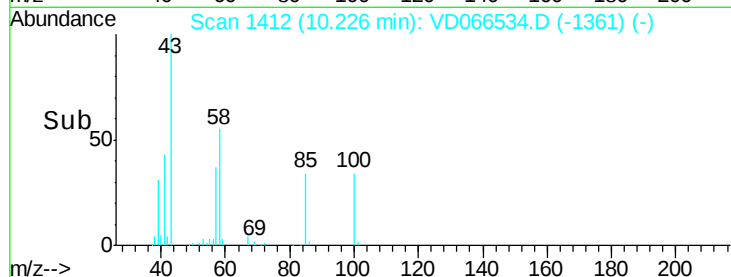
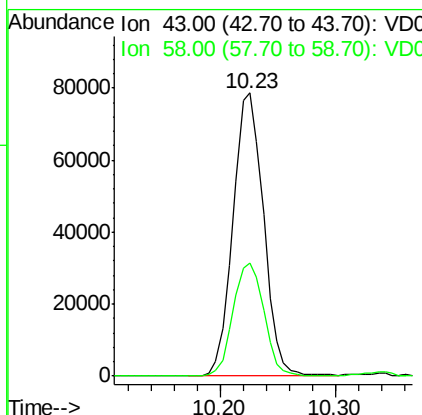
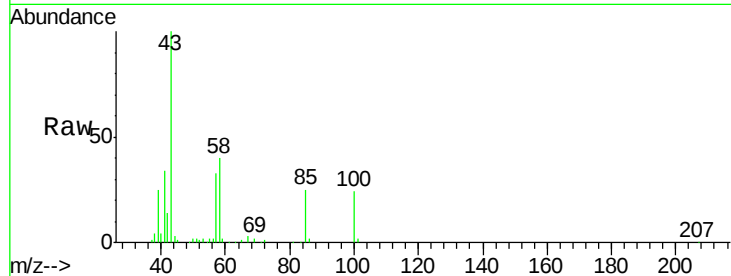
#51
4-Methyl-2-Pentanone
Concen: 278.689 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	144416
Ion Ratio	43	100	
Lower	58	40.3	31.5
Upper			47.3

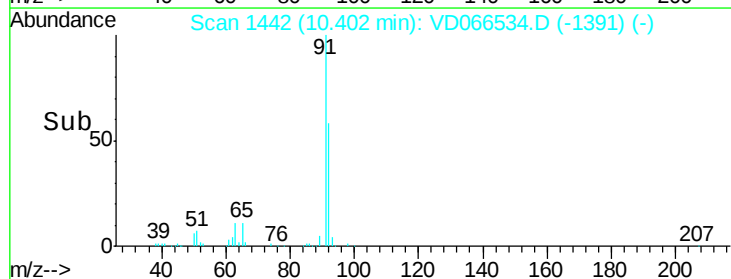
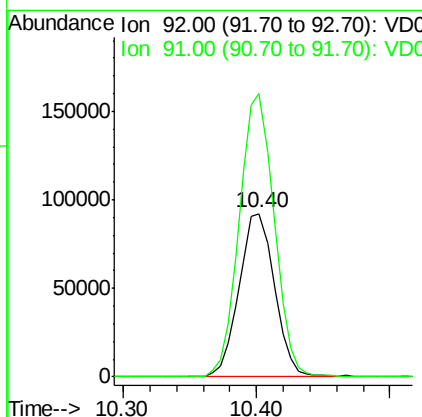
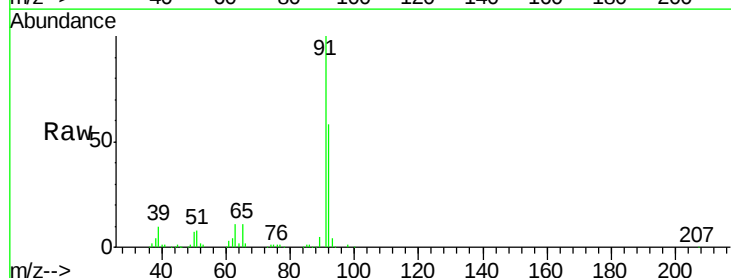
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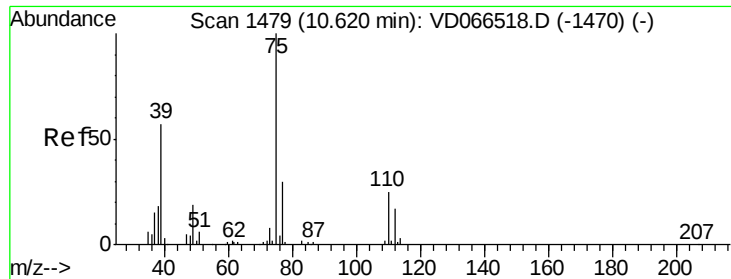
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#52
Toluene
Concen: 51.698 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	92	Resp	170008
Ion Ratio	92	100	
Lower	91	170.3	135.0
Upper			202.4





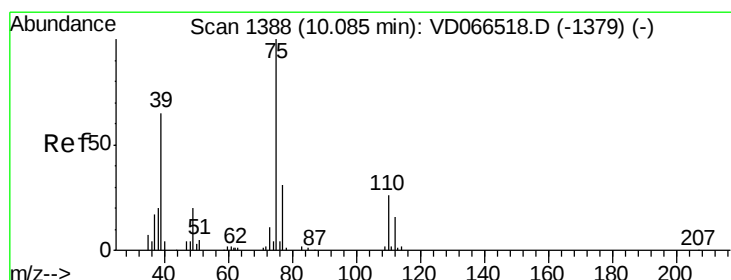
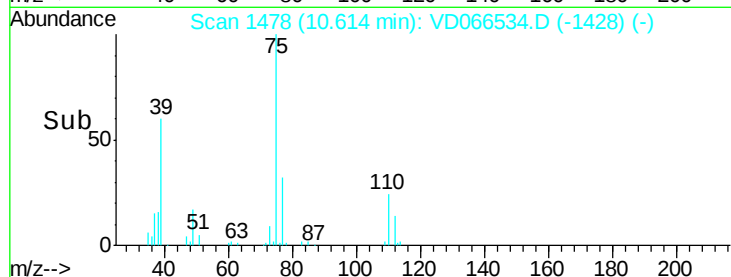
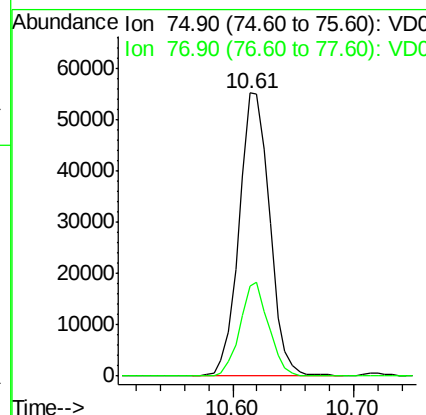
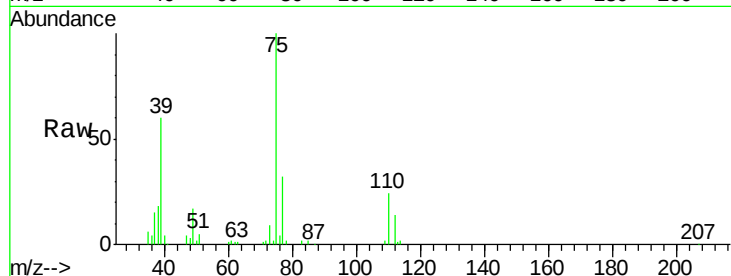
#53
t-1,3-Dichloropropene
Concen: 53.649 ug/l
RT: 10.61 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 97834
Ion Ratio Lower Upper
75 100
77 31.7 23.7 35.5

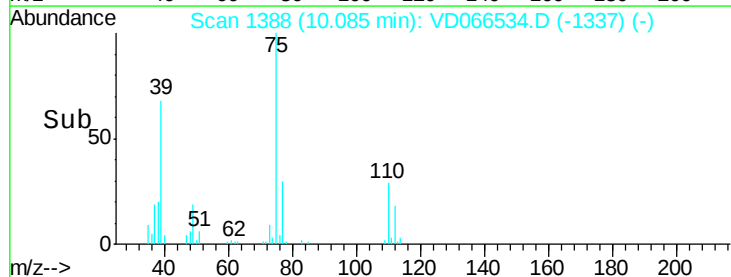
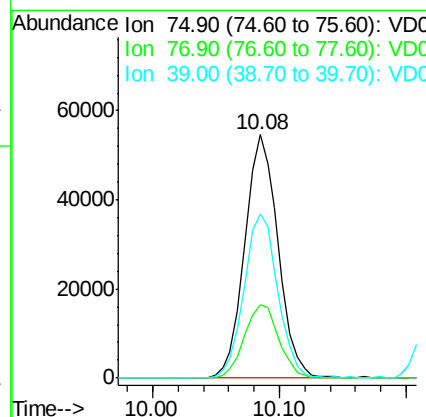
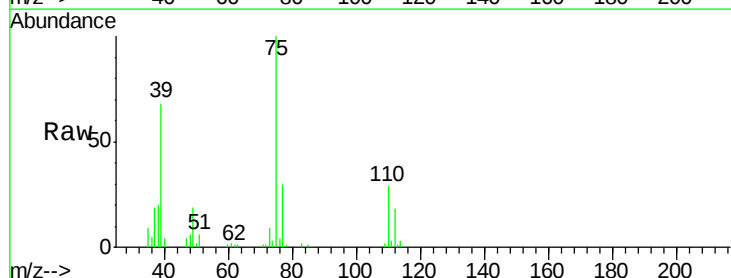
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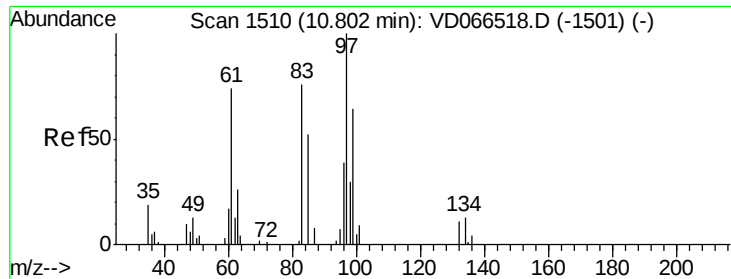
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#54
cis-1,3-Dichloropropene
Concen: 51.844 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion: 75 Resp: 99599
Ion Ratio Lower Upper
75 100
77 30.0 24.5 36.7
39 67.5 52.4 78.6





#55

1,1,2-Trichloroethane

Concen: 52.212 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

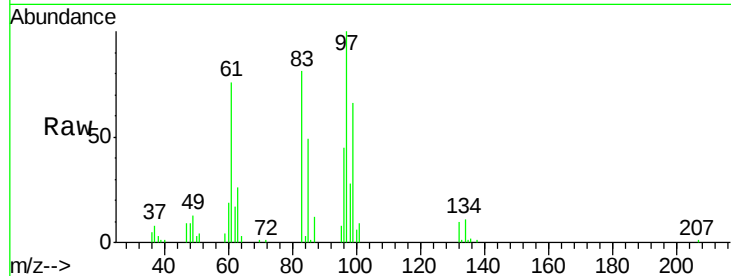
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	44307
Ion	Ratio	Lower	Upper
97	100		
83	80.9	61.2	91.8
85	48.9	42.0	63.0
99	66.1	51.2	76.8

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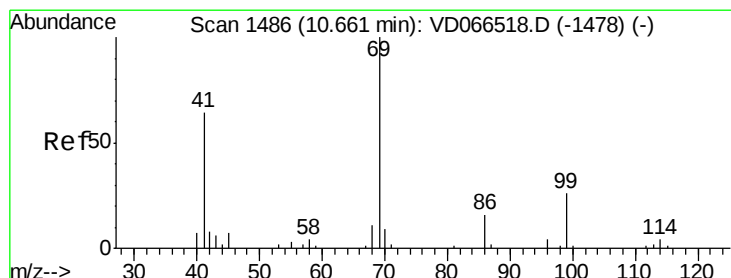
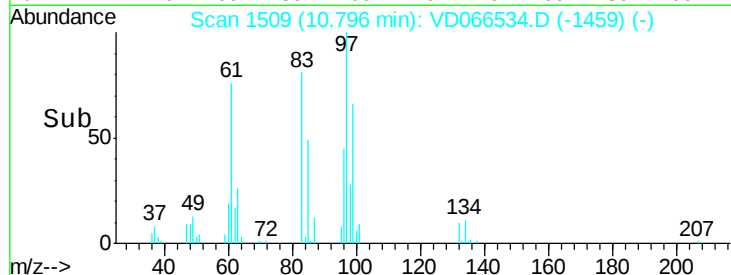
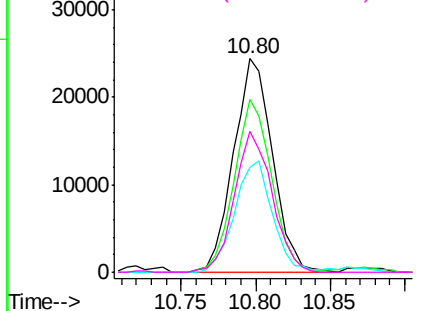


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 54.247 ug/l

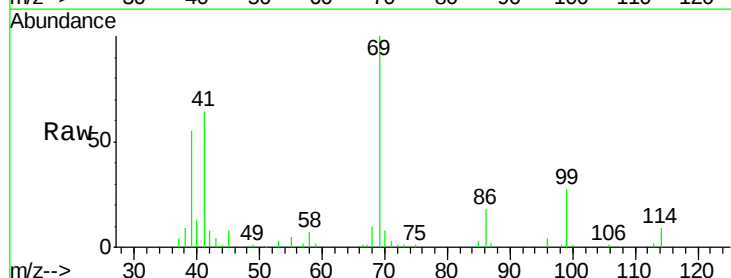
RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

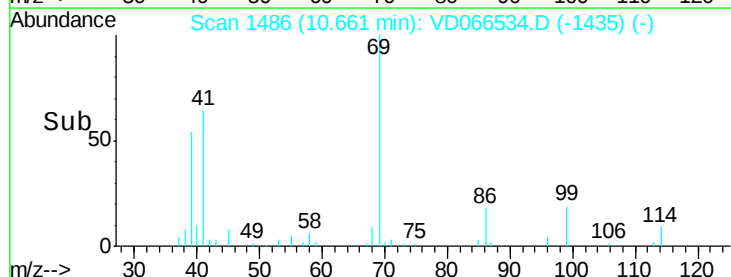
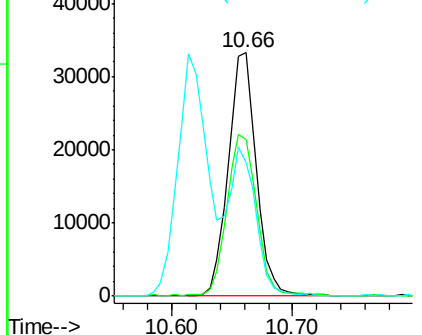
Tgt Ion:	69	Resp:	54176
Ion	Ratio	Lower	Upper
69	100		
41	70.0	52.5	78.7
39	60.4	42.1	63.1

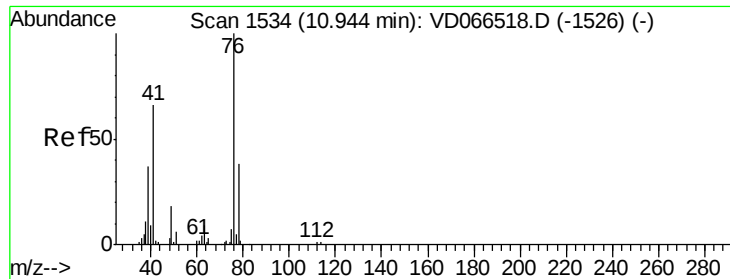


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





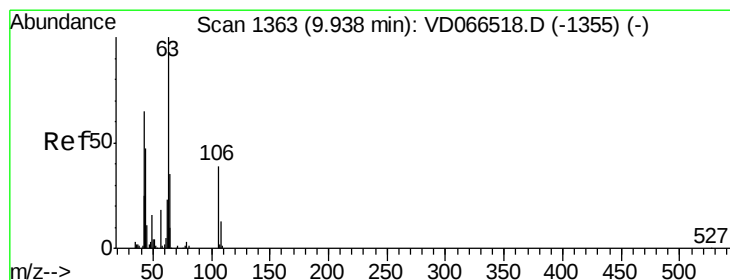
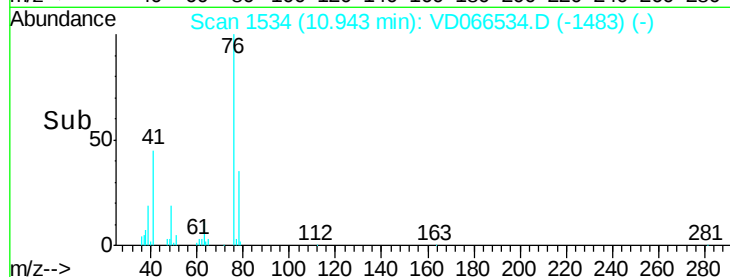
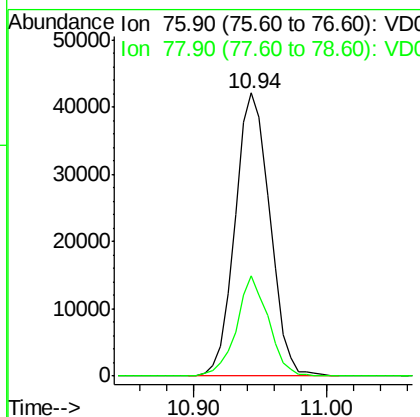
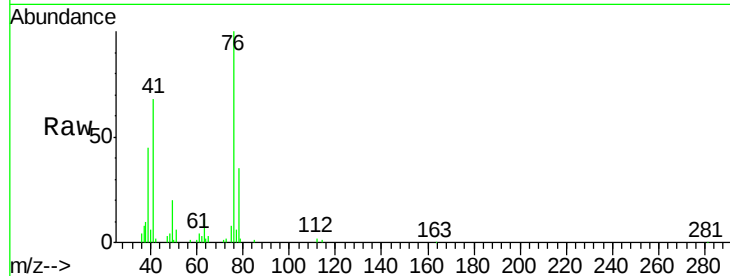
#57
 1,3-Dichloropropane
 Concen: 54.078 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 75785
 Ion Ratio Lower Upper
 76 100
 78 32.5 28.2 42.2

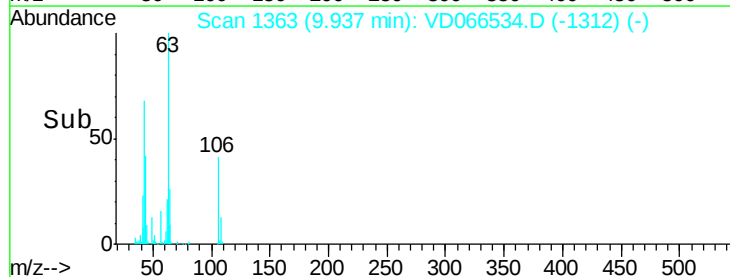
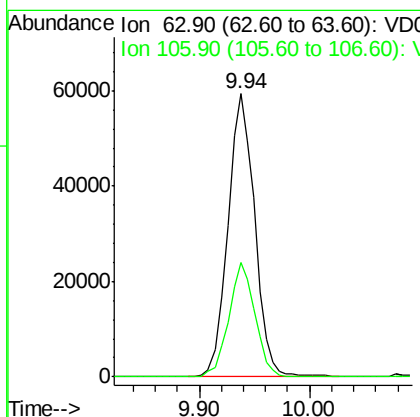
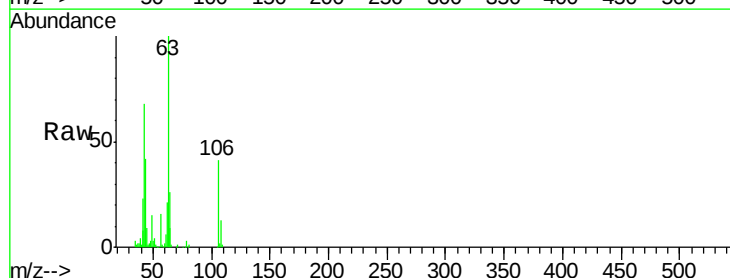
Manual Integrations
 APPROVED

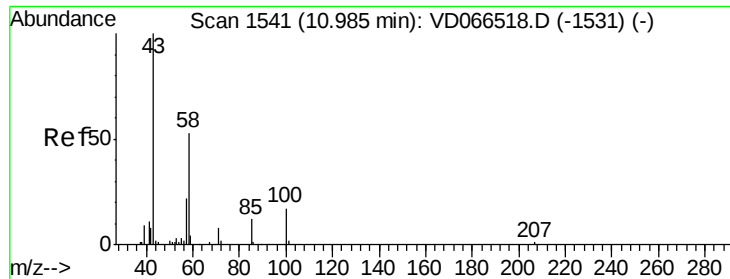
MMDadoda
 9/3/2020 4:57:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.735 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Tgt Ion: 63 Resp: 100866
 Ion Ratio Lower Upper
 63 100
 106 39.4 32.1 48.1





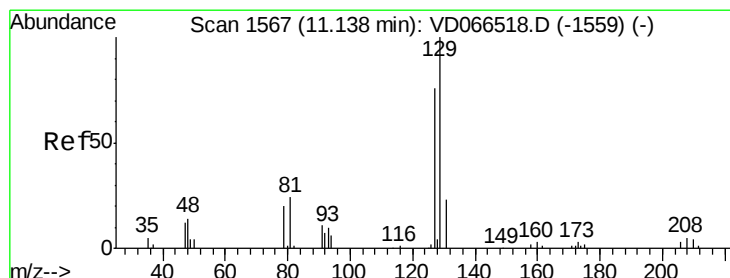
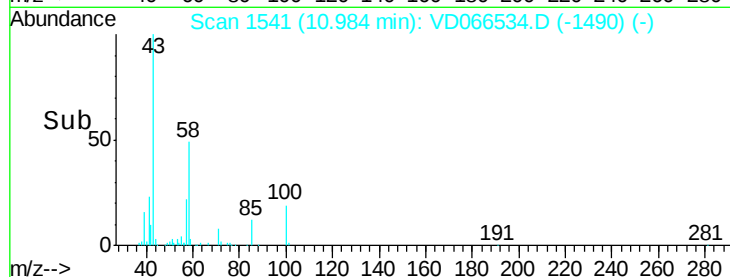
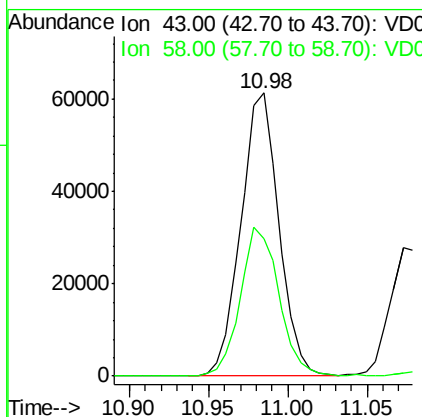
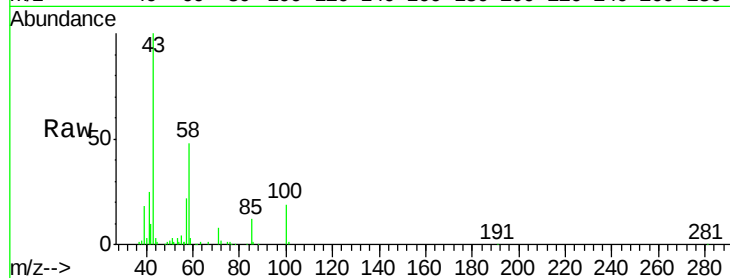
#59
2-Hexanone
Concen: 272.593 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 102019
Ion Ratio Lower Upper
43 100
58 53.5 25.7 77.0

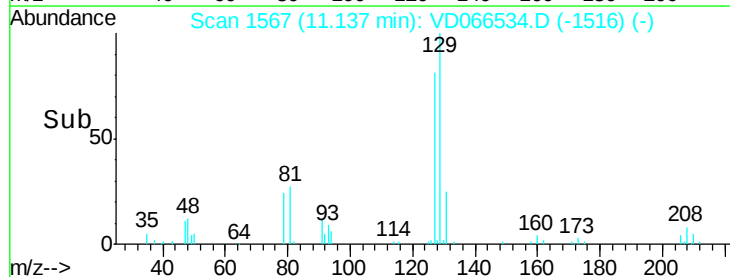
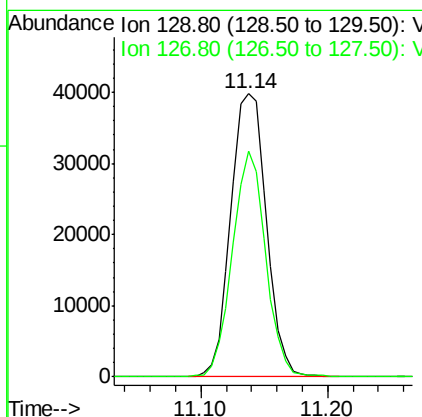
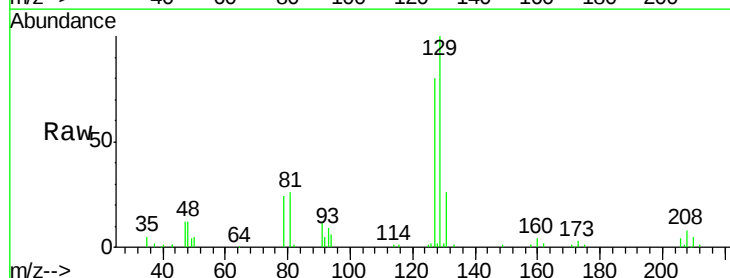
Manual Integrations
APPROVED

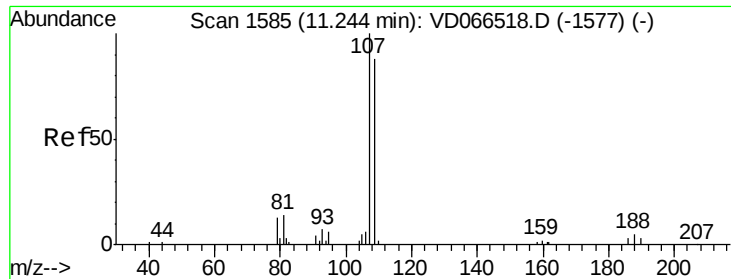
MMDadoda
9/3/2020 4:57:29 PM



#60
Dibromochloromethane
Concen: 55.277 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion: 129 Resp: 77567
Ion Ratio Lower Upper
129 100
127 74.2 38.2 114.6





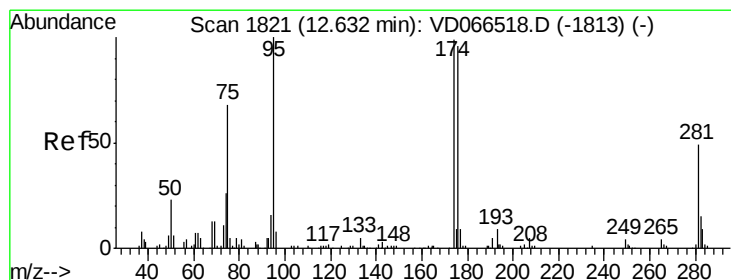
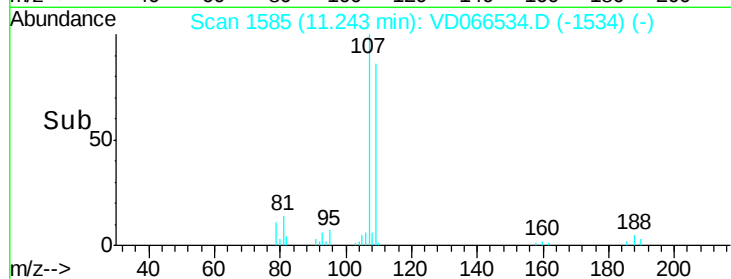
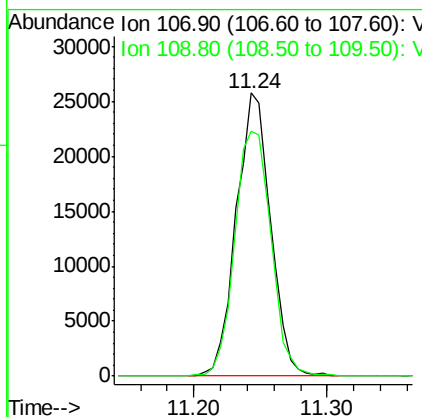
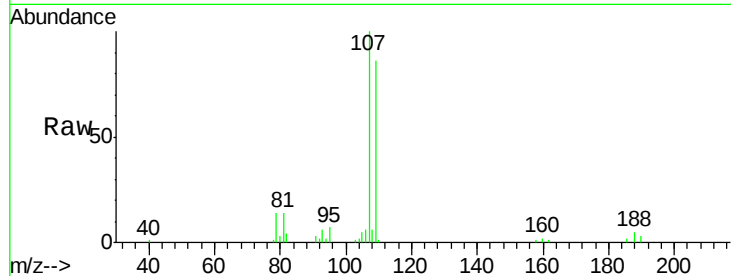
#61
 1,2-Dibromoethane
 Concen: 52.938 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	75.8	113.8

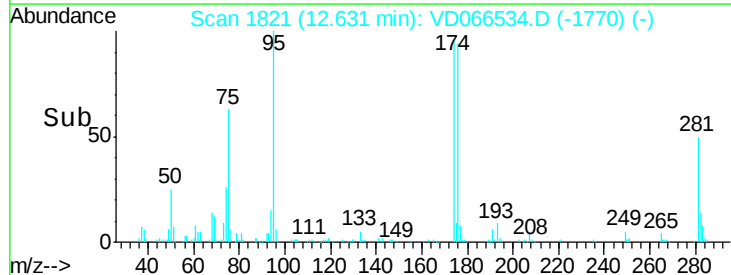
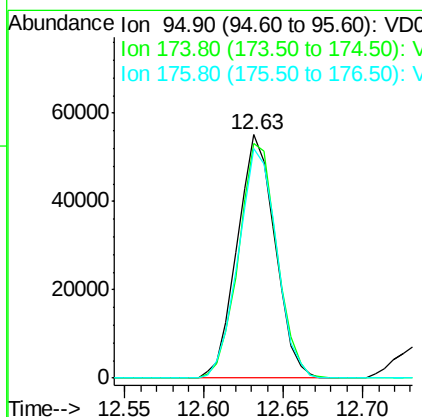
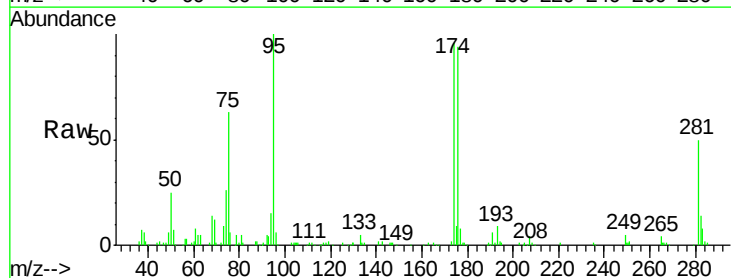
Manual Integrations
 APPROVED

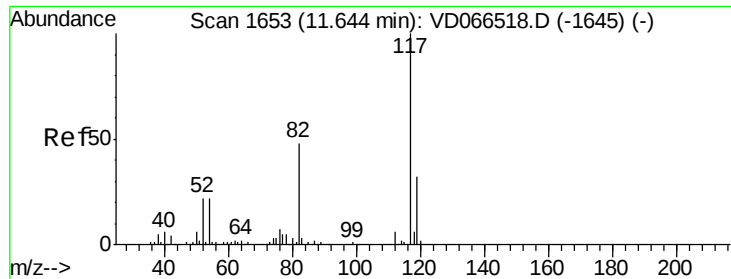
MMDadoda
 9/3/2020 4:57:29 PM



#62
 4-Bromofluorobenzene
 Concen: 55.504 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.7	0.0	203.2
176	95.4	0.0	198.6





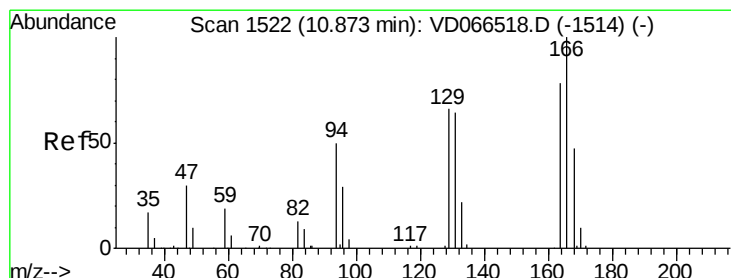
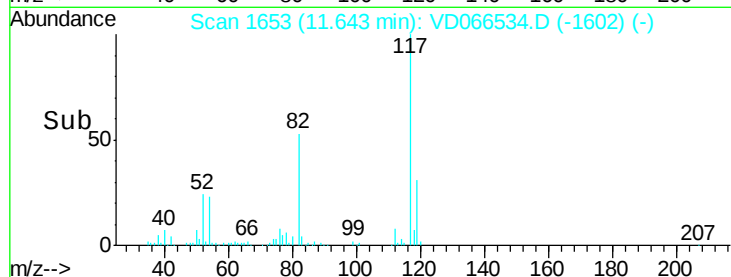
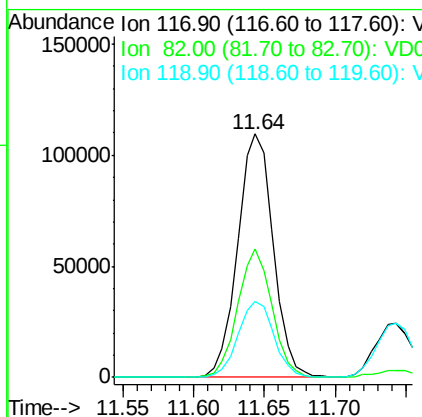
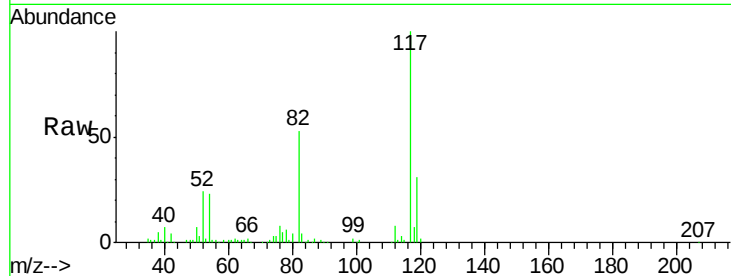
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	192511		
82	53.0		38.5	57.7
119	31.2		25.9	38.9

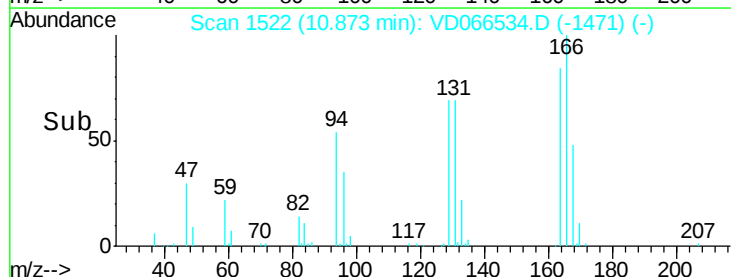
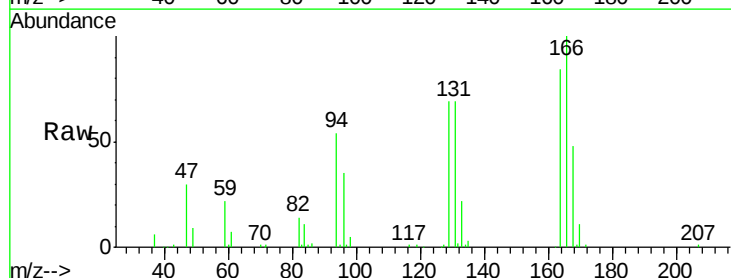
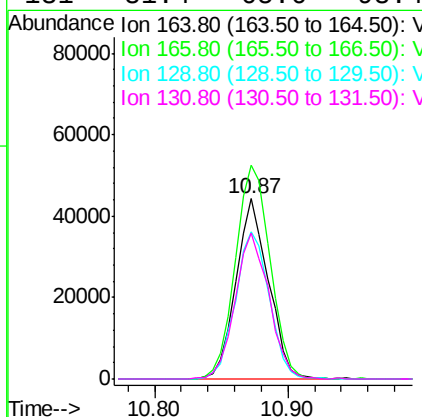
Manual Integrations
APPROVED

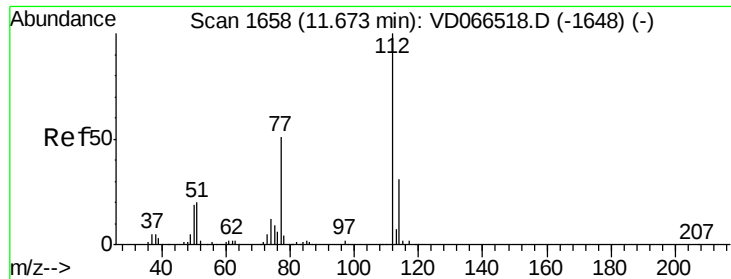
MMDadoda
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#64
Tetrachloroethene
Concen: 49.733 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	74646		
166	118.7		103.0	154.6
129	81.5		68.3	102.5
131	81.4		65.6	98.4





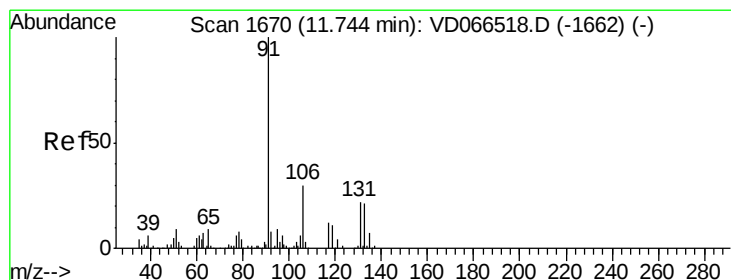
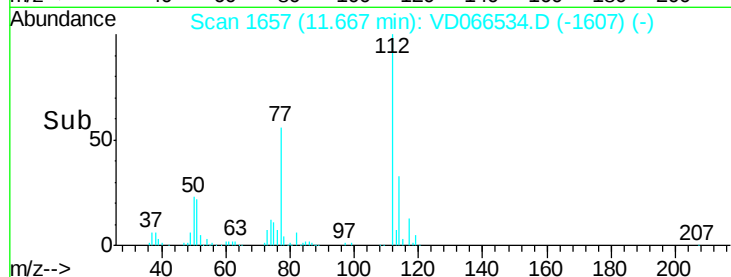
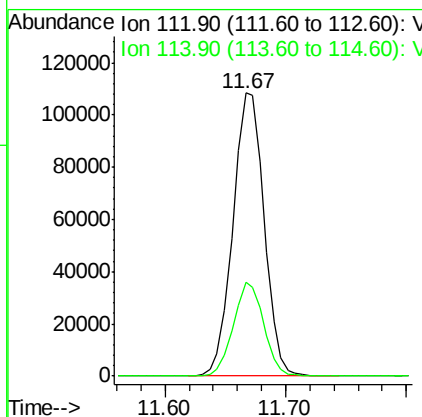
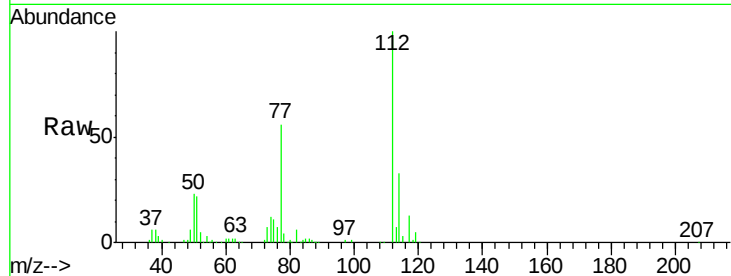
#65
Chlorobenzene
Concen: 51.633 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	195560		
114	33.1	24.8	37.2	

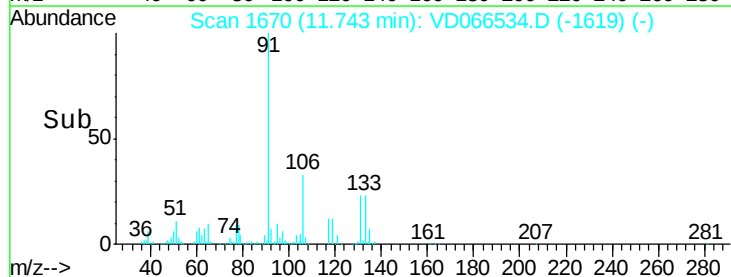
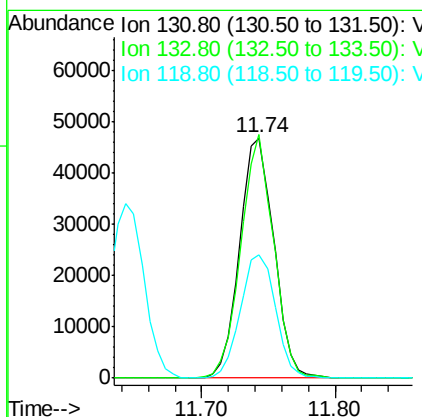
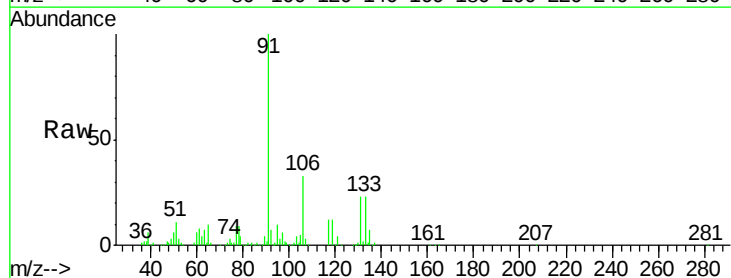
Manual Integrations
APPROVED

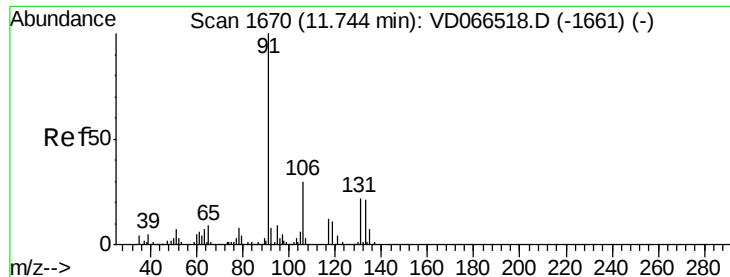
MMDadoda
9/3/2020 4:57:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.003 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	83335		
133	96.5	47.5	142.5	
119	52.6	27.2	81.6	





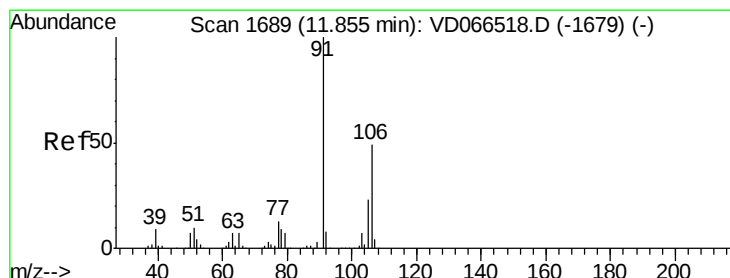
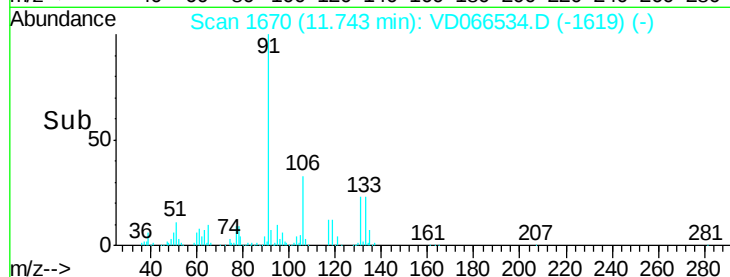
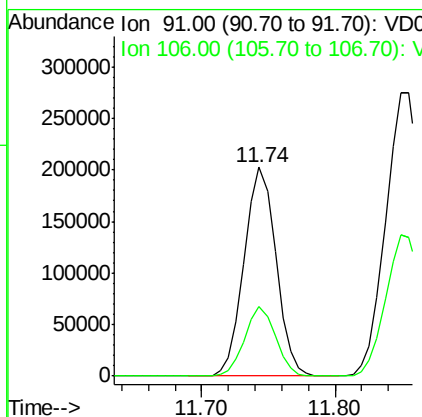
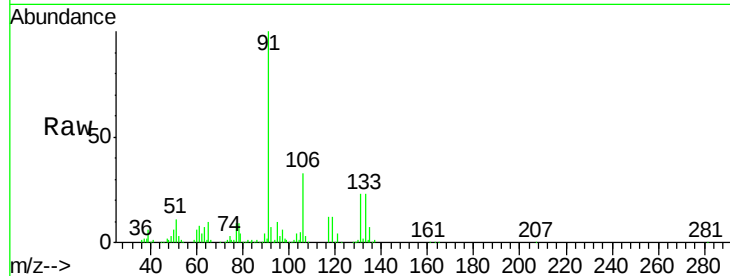
#67
Ethyl Benzene
Concen: 50.414 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 336353
Ion Ratio Lower Upper
91 100
106 33.1 24.0 36.0

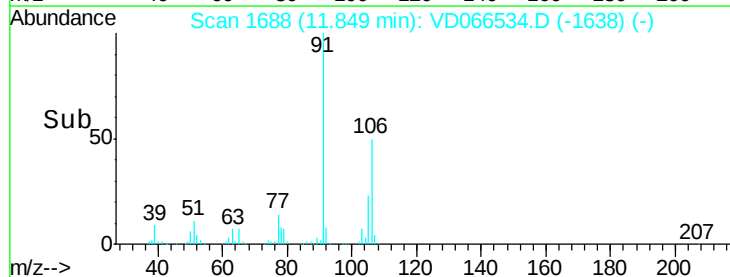
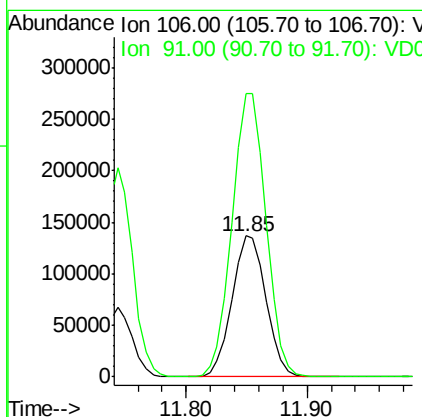
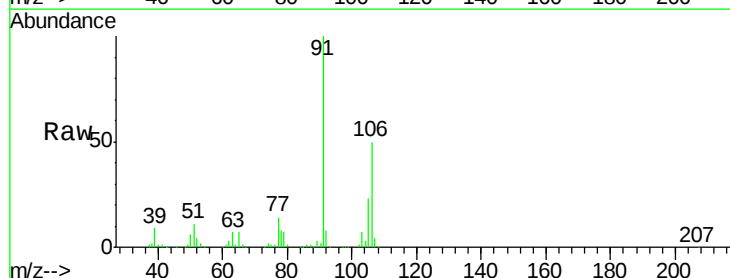
Manual Integrations
APPROVED

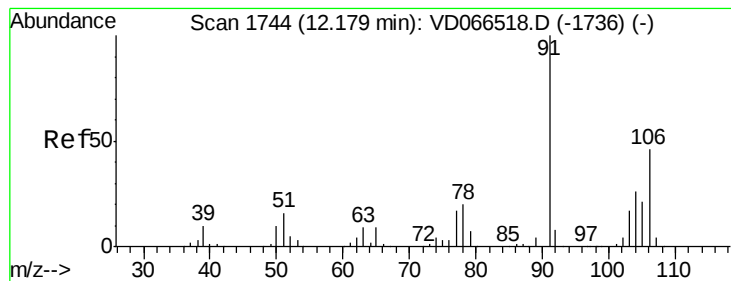
MMDadoda
9/3/2020 4:57:29 PM



#68
m/p-Xylenes
Concen: 103.923 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion: 106 Resp: 268265
Ion Ratio Lower Upper
106 100
91 201.0 163.3 244.9





#69

o-Xylene

Concen: 50.030 ug/l

RT: 12.18 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 122332

Ion Ratio Lower Upper

106 100

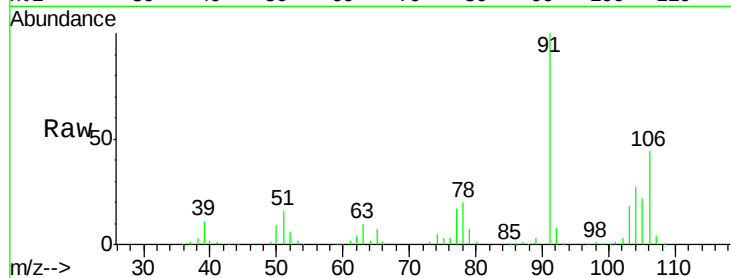
91 218.6 108.7 326.3

Manual Integrations

APPROVED

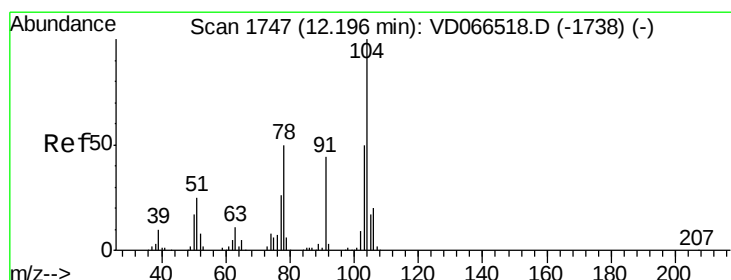
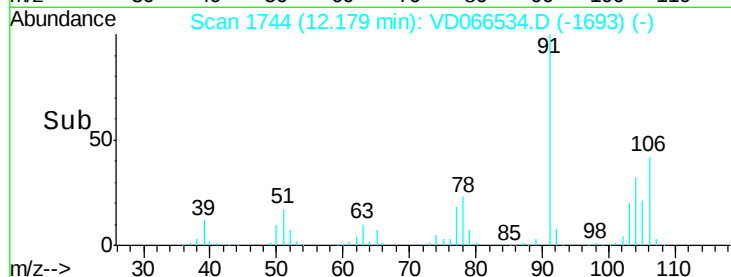
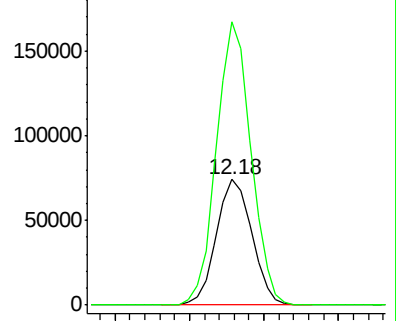
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V



#70

Styrene

Concen: 51.629 ug/l

RT: 12.20 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

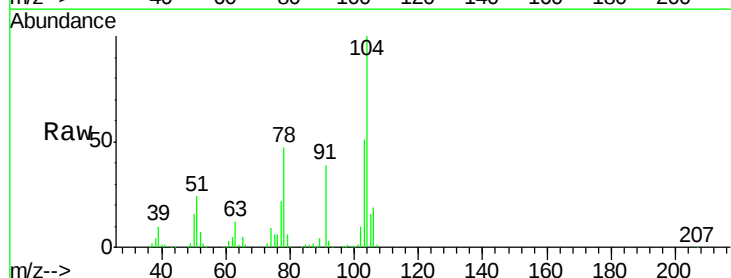
Tgt Ion:104 Resp: 216134

Ion Ratio Lower Upper

104 100

78 55.1 44.3 66.5

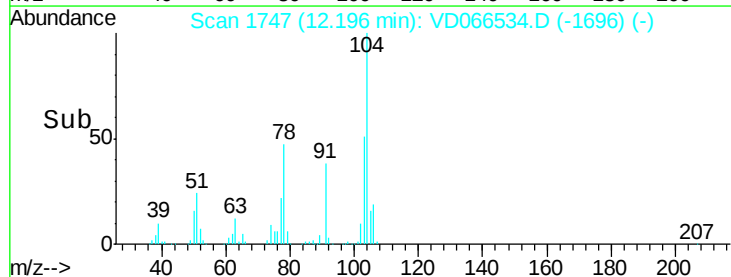
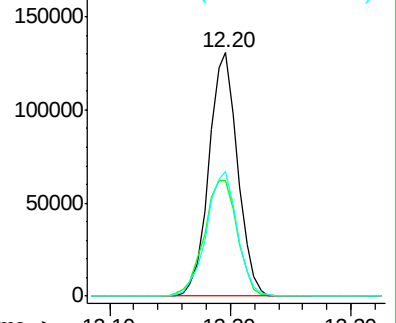
103 54.8 44.1 66.1

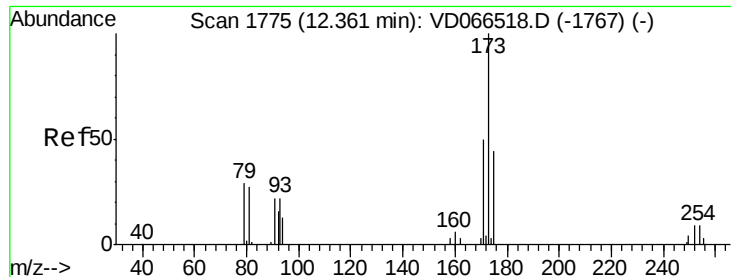


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V





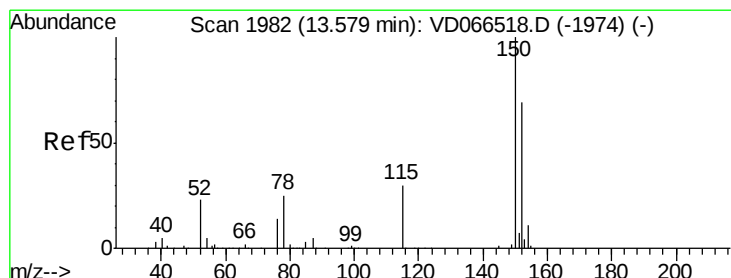
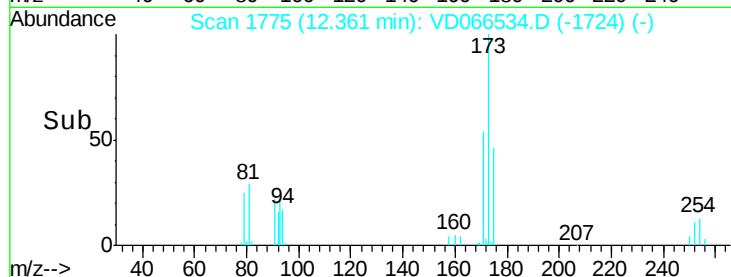
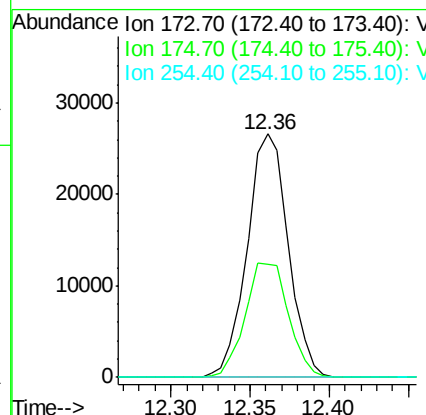
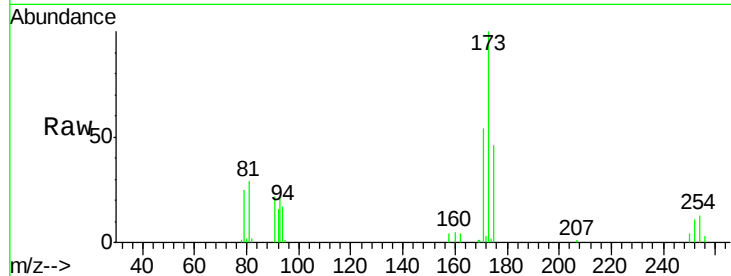
#71
Bromoform
Concen: 54.439 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	22.3	66.8
254	0.0	0.0	0.0

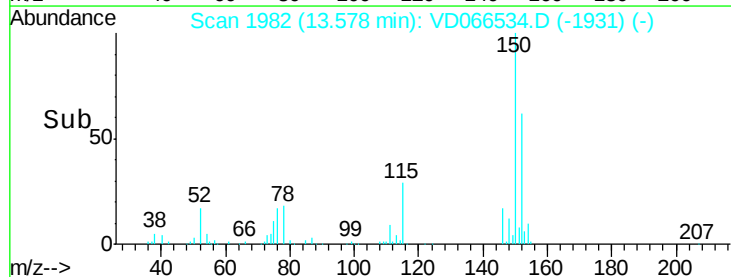
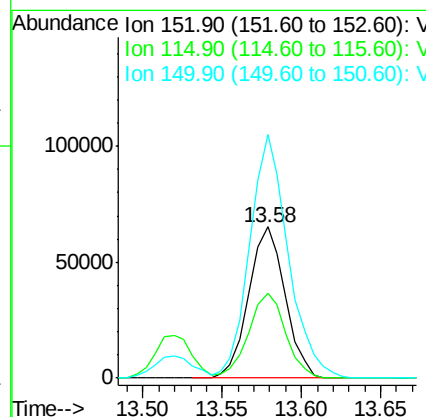
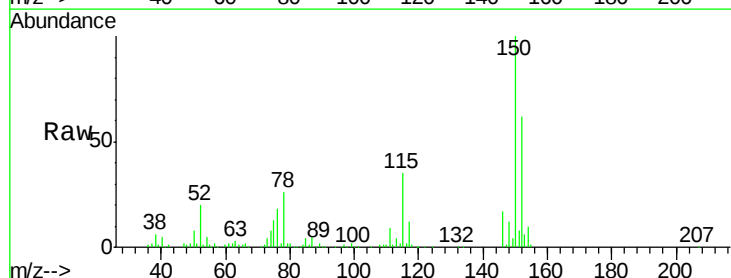
Manual Integrations
APPROVED

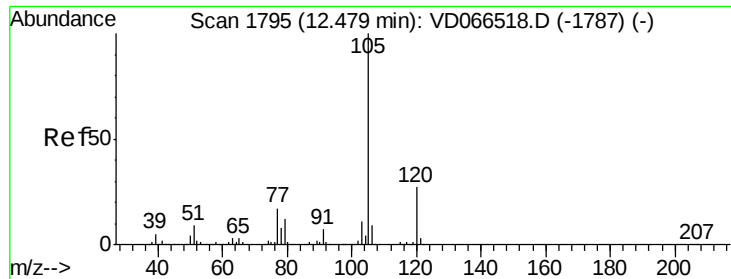
MMDadoda
9/3/2020 4:57:29 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.9	86.8
150	169.6	0.0	339.6





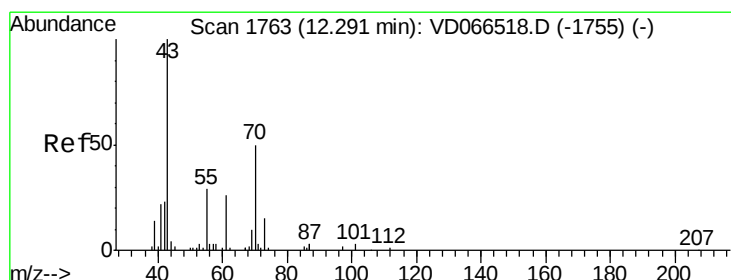
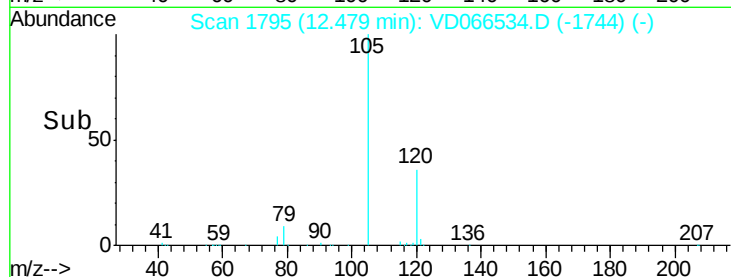
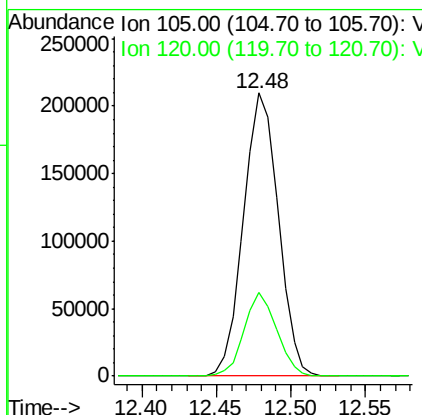
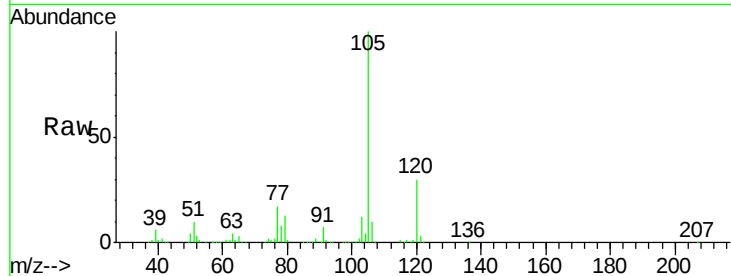
#73
Isopropylbenzene
Concen: 48.571 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	339584		
120	27.8		13.5	40.5

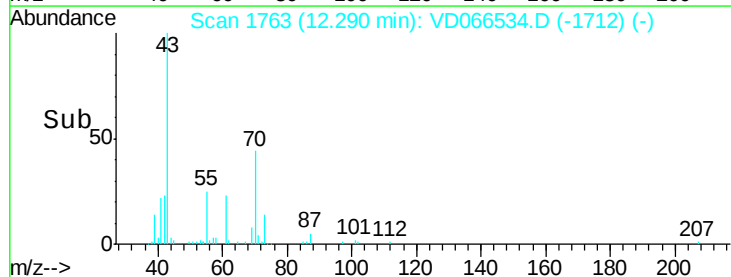
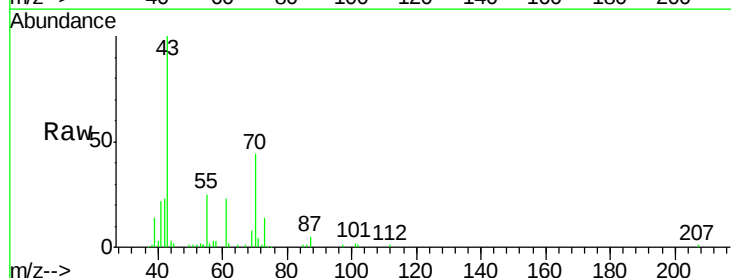
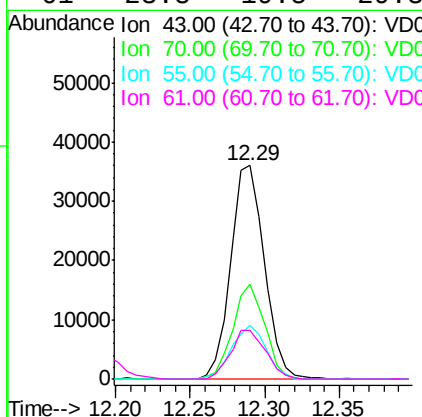
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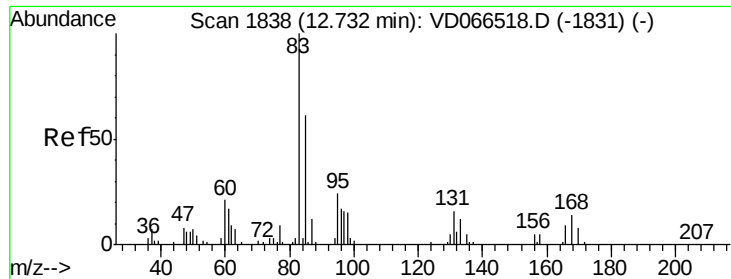
MMDadoda
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#74
N-ethyl acetate
Concen: 53.927 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	56850		
70	41.9		36.2	54.2
55	25.4		20.6	30.8
61	23.8		19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 52.488 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

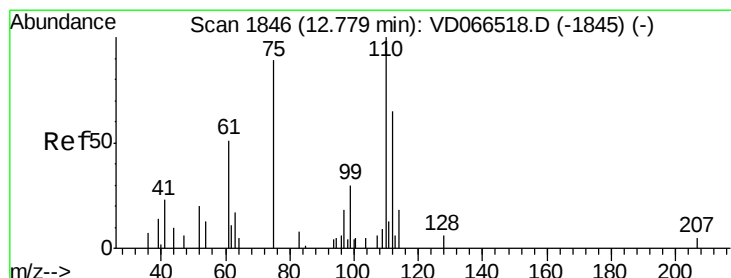
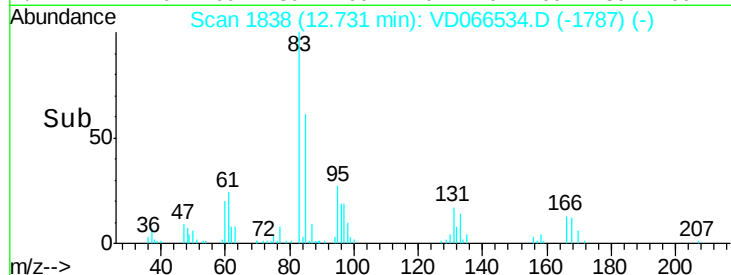
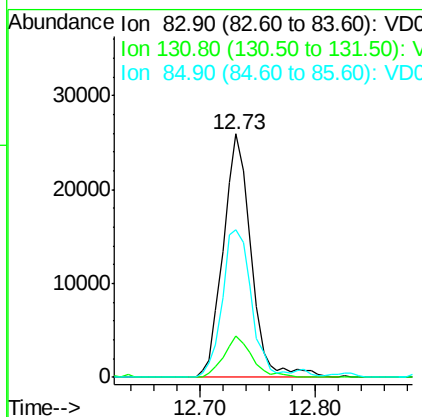
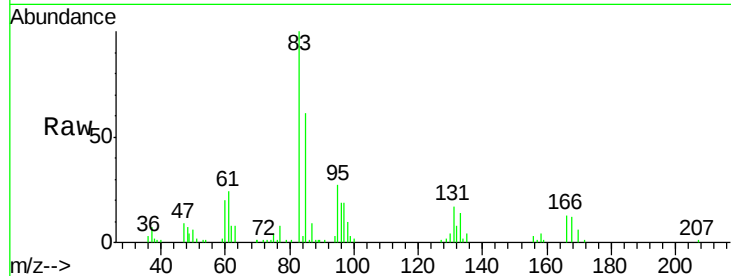
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	43364
Ion Ratio	Lower	Upper	
83	100		
131	17.1	8.3	24.9
85	63.4	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 40.114 ug/l m

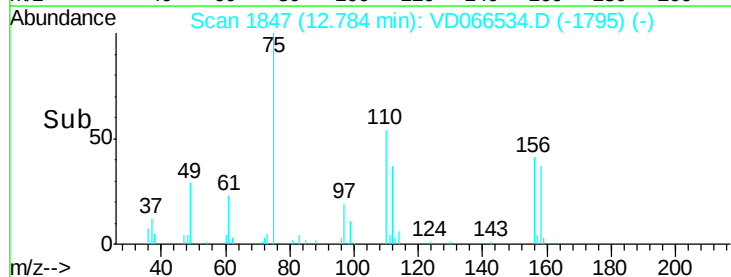
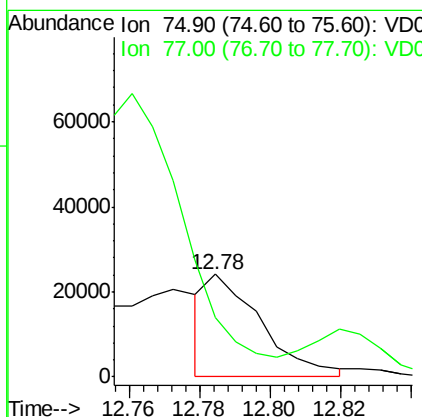
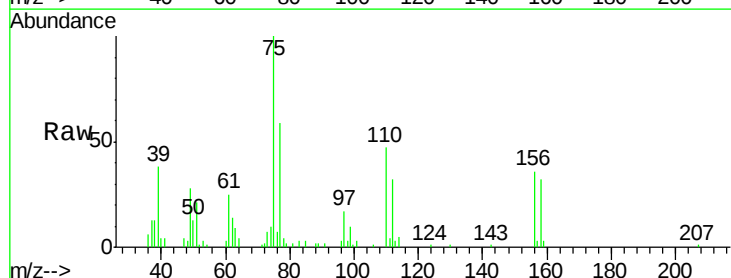
RT: 12.78 min Scan# 1847

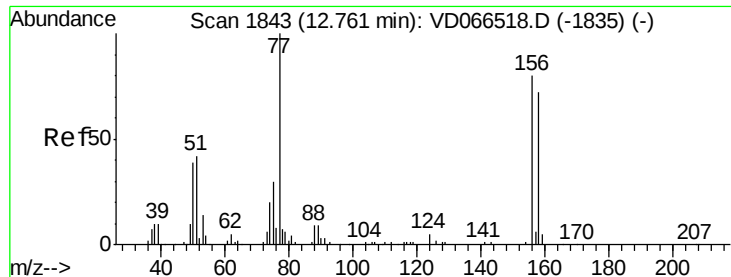
Delta R.T. 0.01 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Tgt Ion:	75	Resp:	26403
Ion Ratio	Lower	Upper	
75	100		
77	0.0	196.9	590.7#





#77

Bromobenzene

Concen: 51.378 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

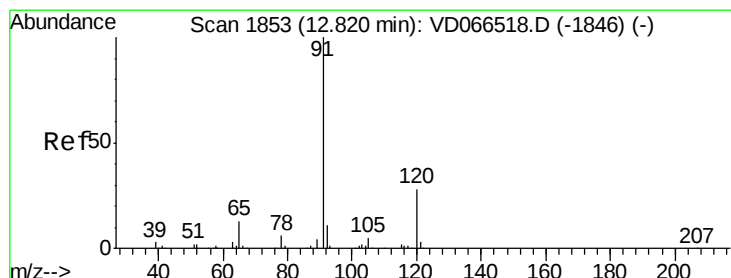
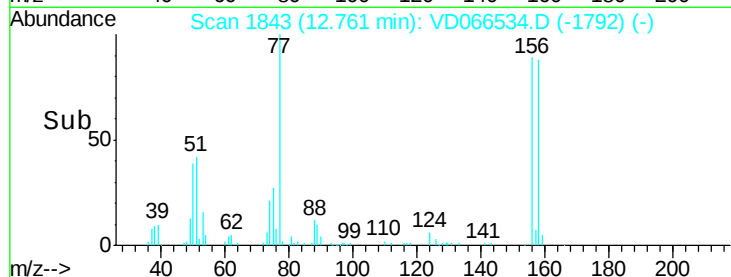
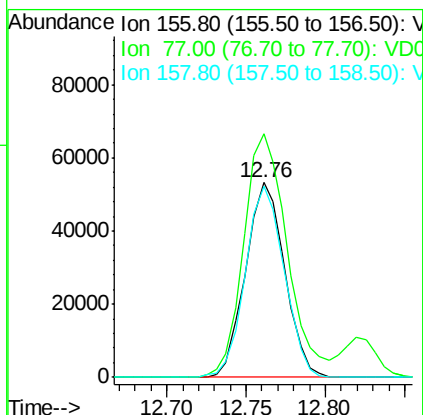
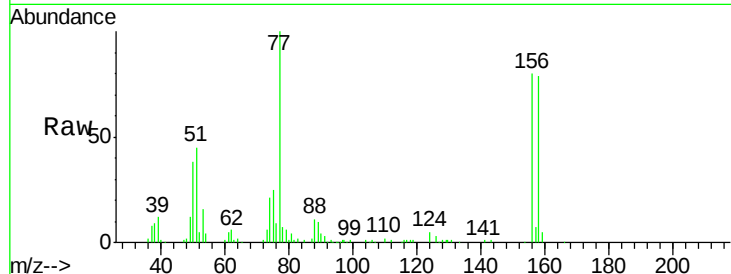
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	91155
Ion	Ratio	Lower	Upper
156	100		
77	139.4	71.0	213.2
158	97.7	49.5	148.7

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#78

n-propylbenzene

Concen: 48.917 ug/l

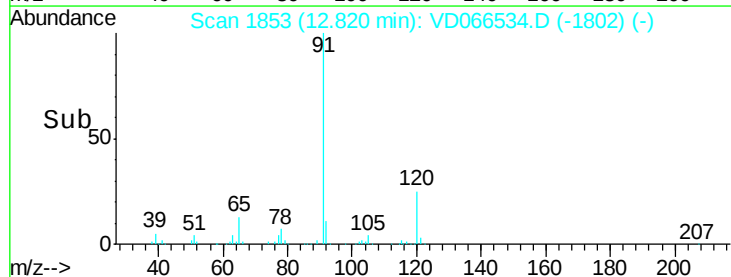
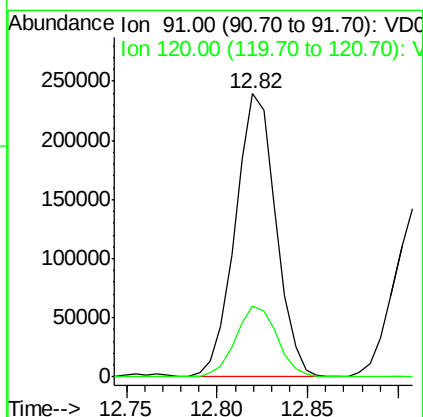
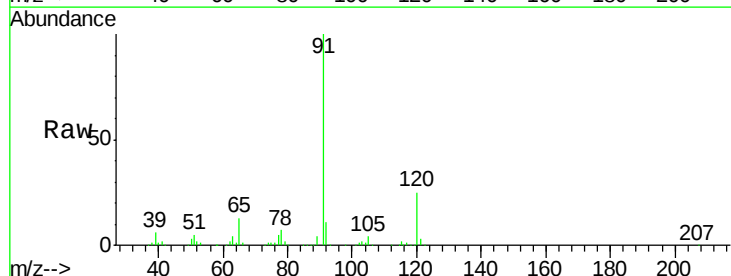
RT: 12.82 min Scan# 1853

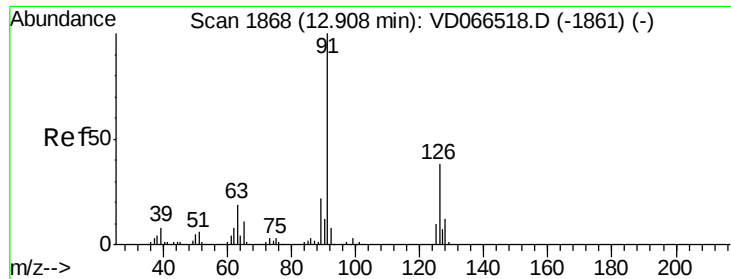
Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Tgt Ion:	91	Resp:	372678
Ion	Ratio	Lower	Upper
91	100		
120	25.6	13.0	39.0





#79

2-Chlorotoluene

Concen: 50.648 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 223262

Ion Ratio Lower Upper

91 100

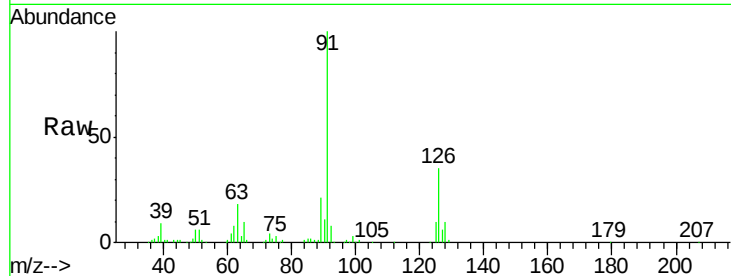
126 36.9 18.7 56.1

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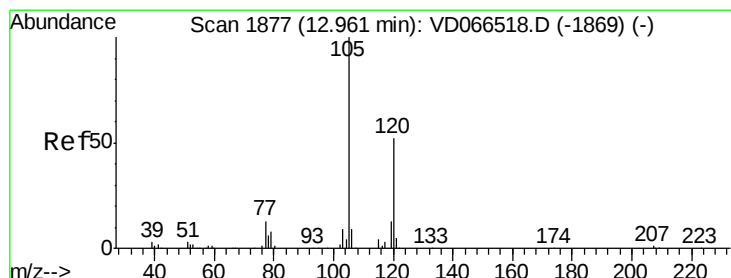
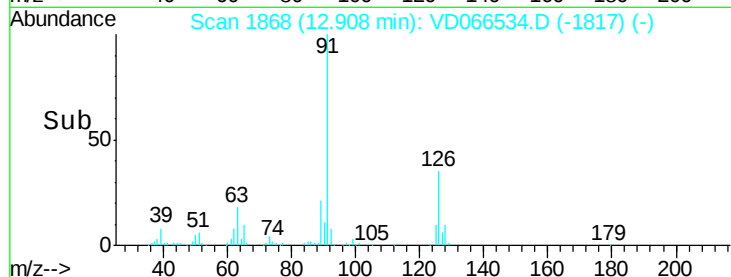
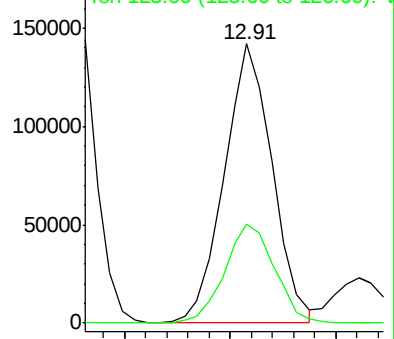
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Abundance Ion 91.00 (90.70 to 91.70): VD066534.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.427 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066534.D

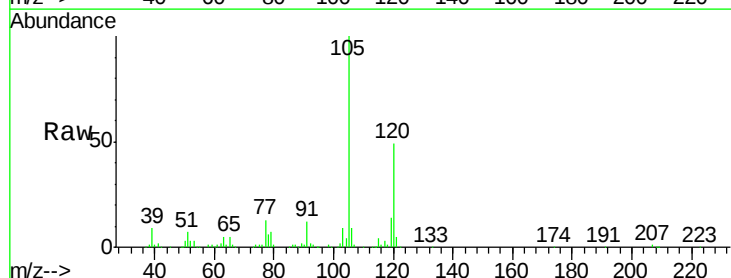
Acq: 02 Sep 2020 20:27

Tgt Ion:105 Resp: 306519

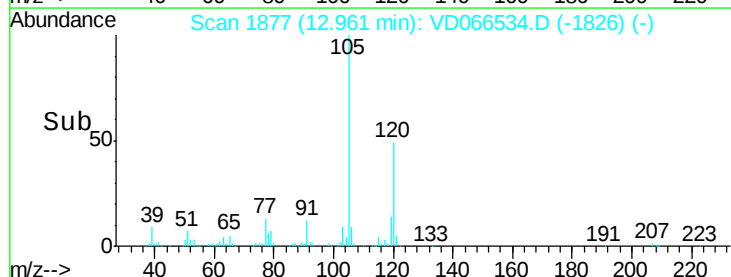
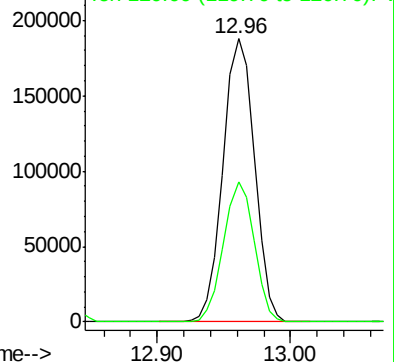
Ion Ratio Lower Upper

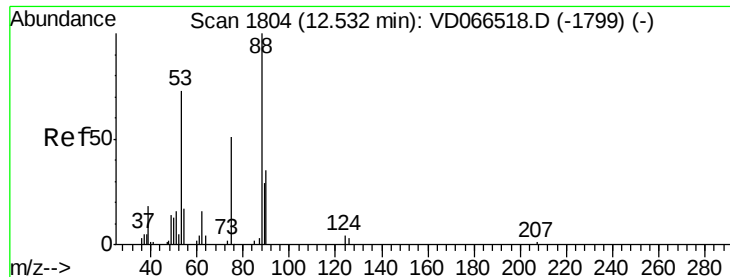
105 100

120 48.2 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VD066534.D (-1826) (-)





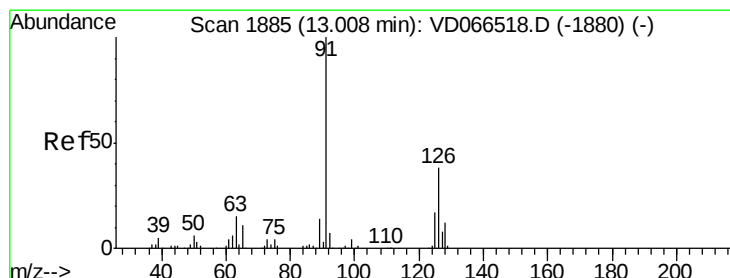
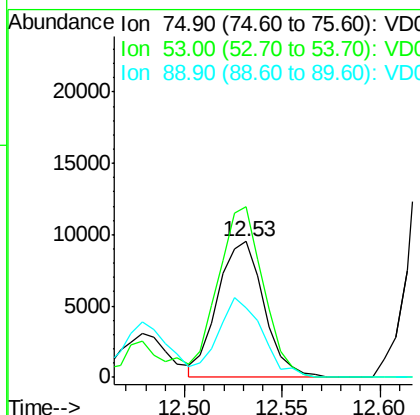
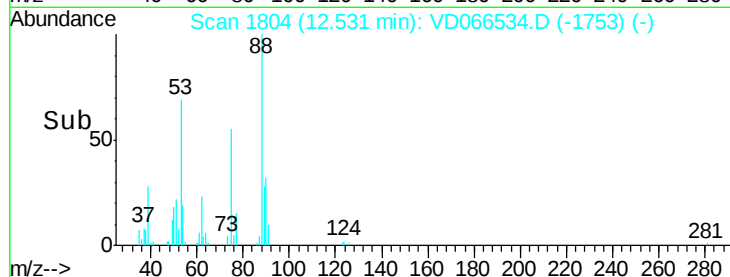
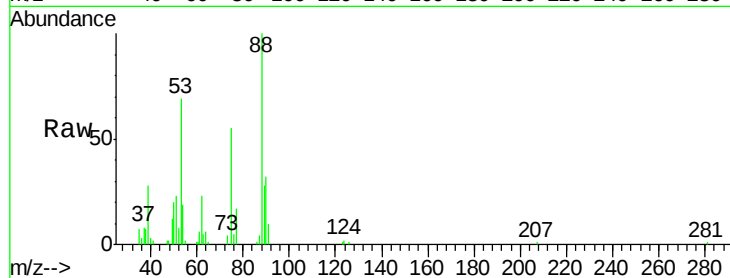
#81
trans-1,4-Dichloro-2-butene
Concen: 53.044 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.4	101.8	152.8
89	56.3	46.0	69.0

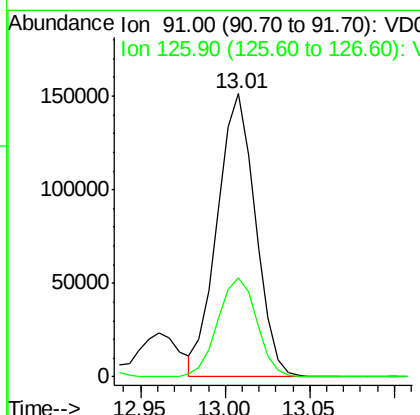
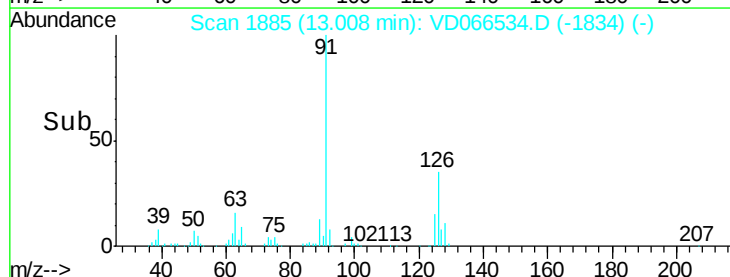
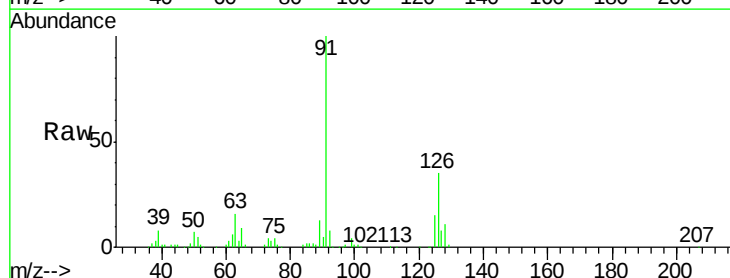
Manual Integrations
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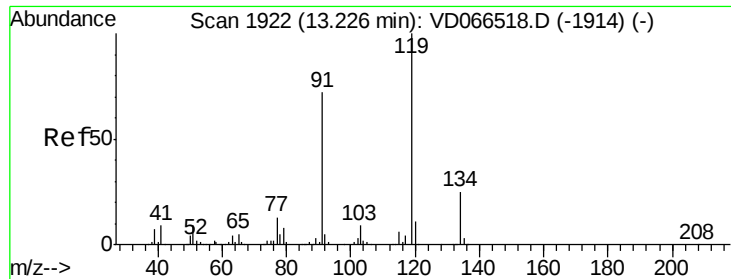
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#82
4-Chlorotoluene
Concen: 50.366 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.2	54.6





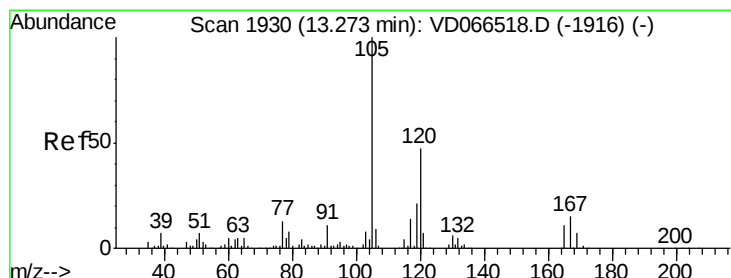
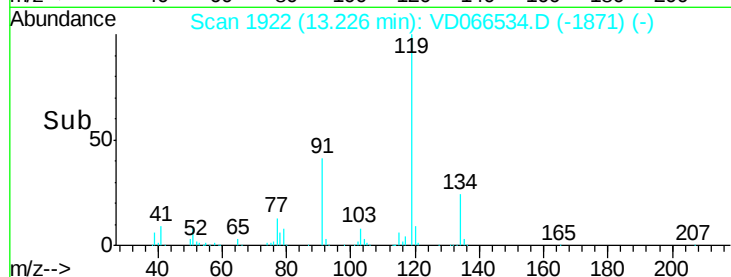
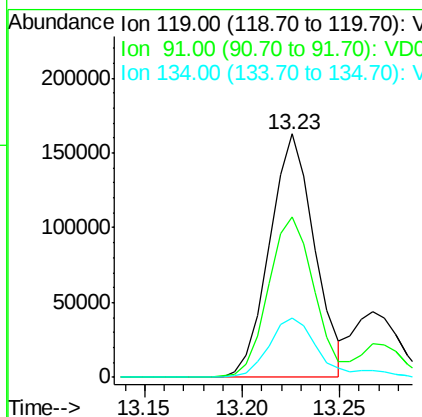
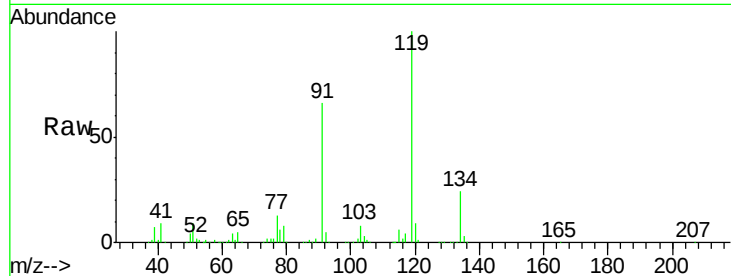
#83
tert-Butylbenzene
Concen: 48.745 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.4	103.2
134	27.6	13.5	40.4

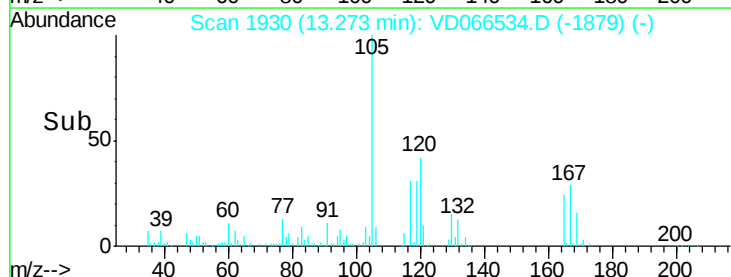
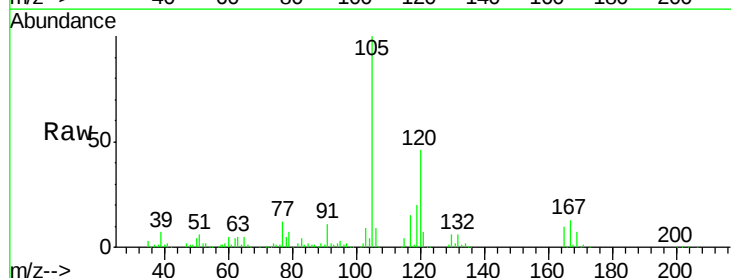
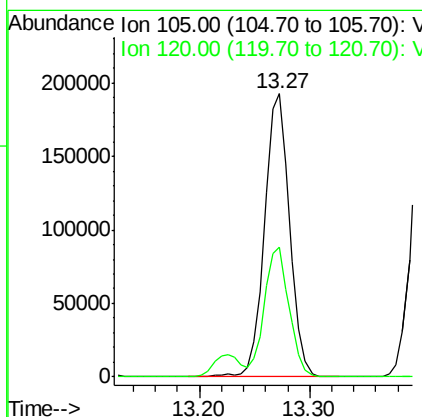
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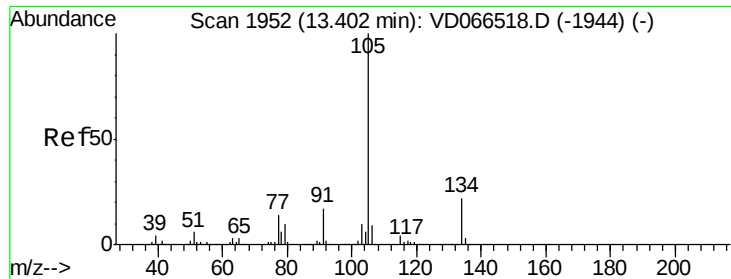
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#84
1,2,4-Trimethylbenzene
Concen: 50.390 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	21.7	65.1





#85

sec-Butylbenzene

Concen: 47.541 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 321100

Ion Ratio Lower Upper

105 100

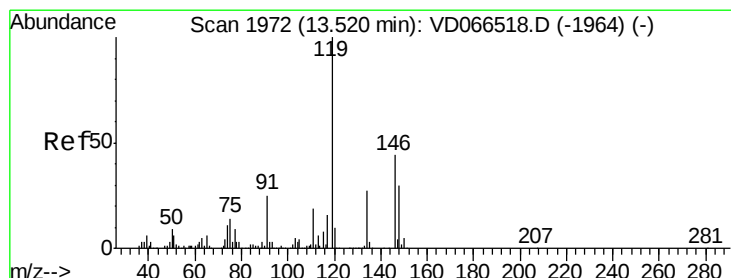
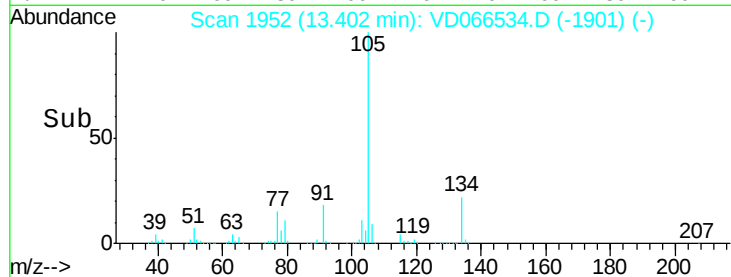
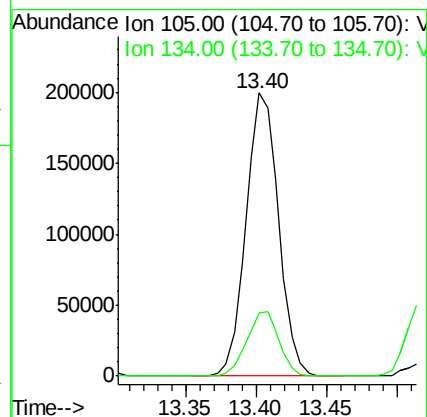
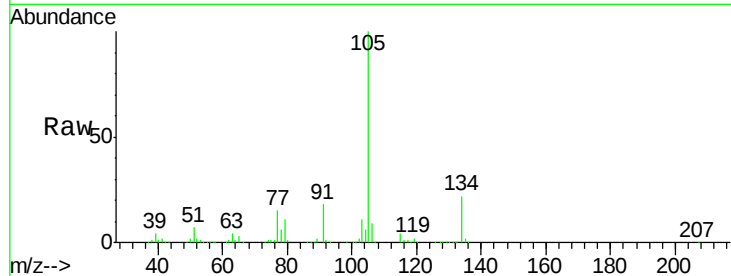
134 22.7 11.5 34.4

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#86

p-Isopropyltoluene

Concen: 48.461 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

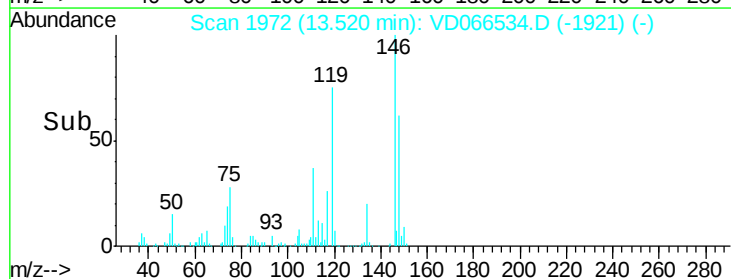
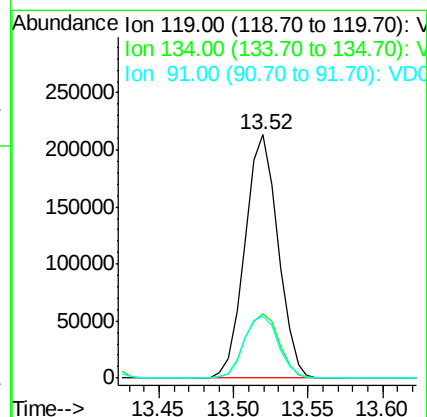
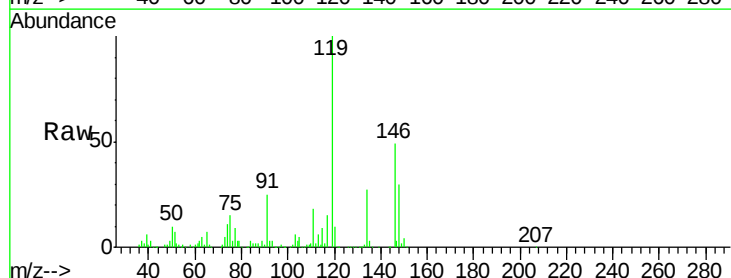
Tgt Ion:119 Resp: 327152

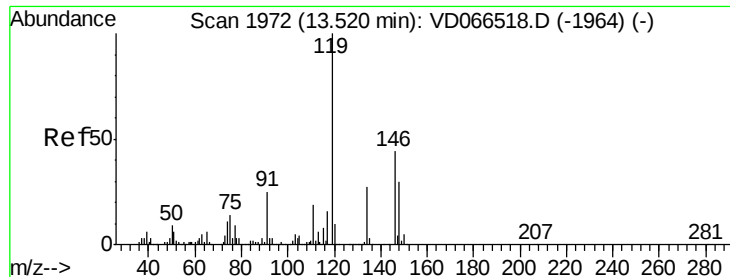
Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.4

91 26.4 13.0 39.0





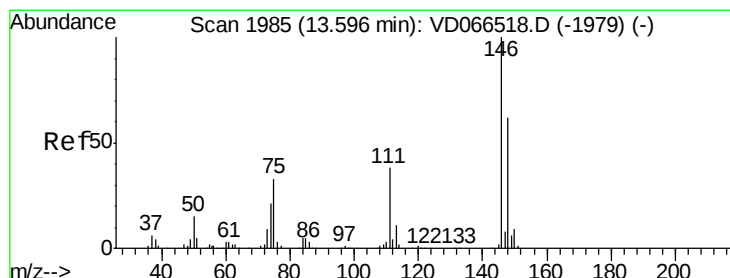
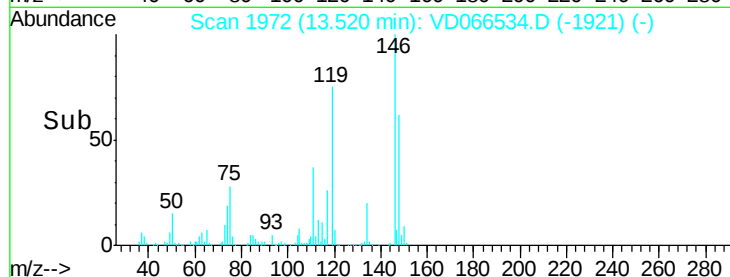
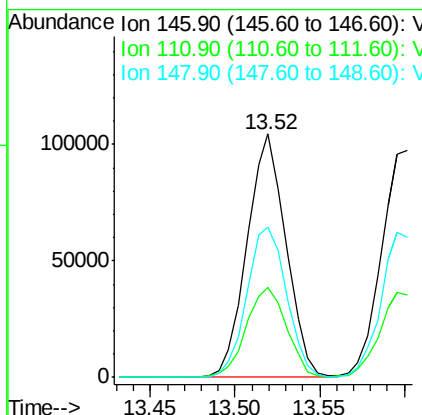
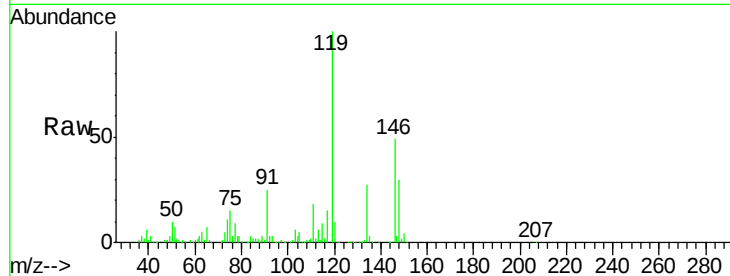
#87
 1,3-Dichlorobenzene
 Concen: 50.884 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.3	61.0
148	63.3	32.3	96.9

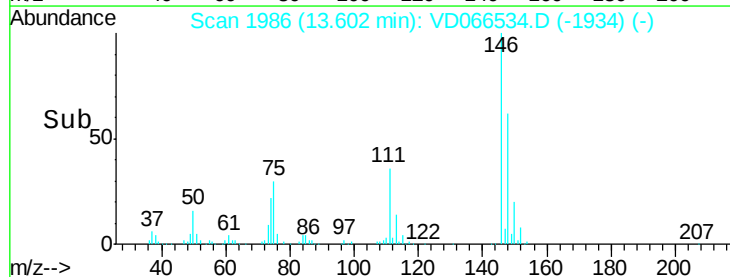
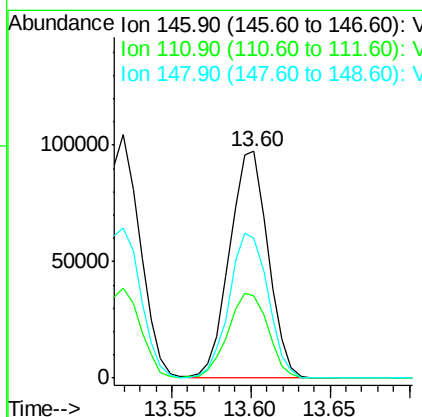
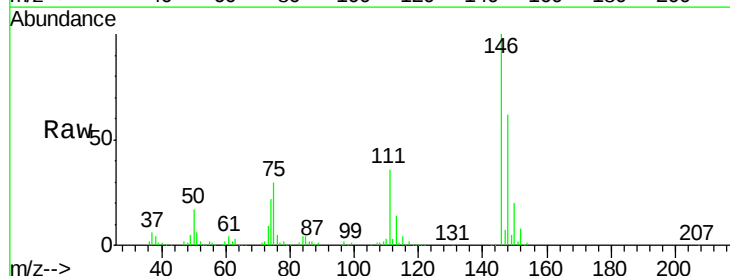
Manual Integrations
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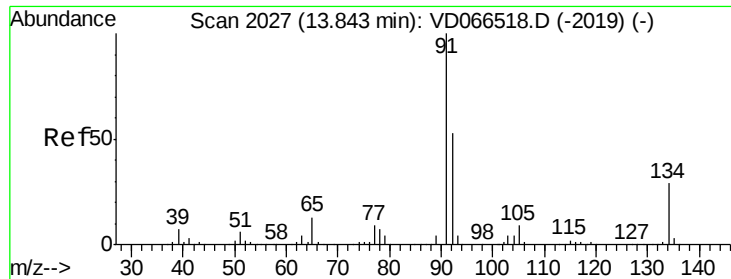
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#88
 1,4-Dichlorobenzene
 Concen: 49.400 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.4	55.4
148	64.4	31.5	94.5





#89

n-Butylbenzene

Concen: 47.758 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.01 min

Lab File: VD066534.D

Acq: 02 Sep 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 270051
Ion Ratio Lower Upper

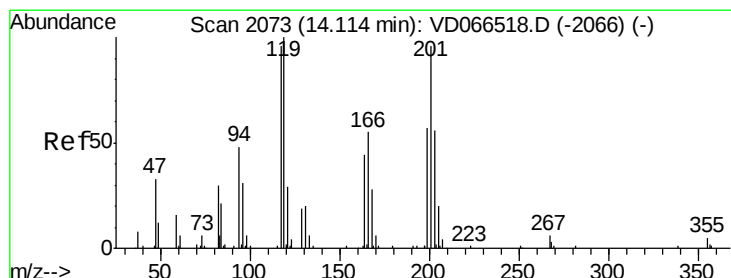
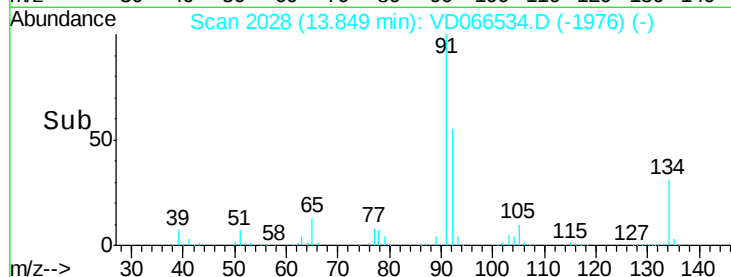
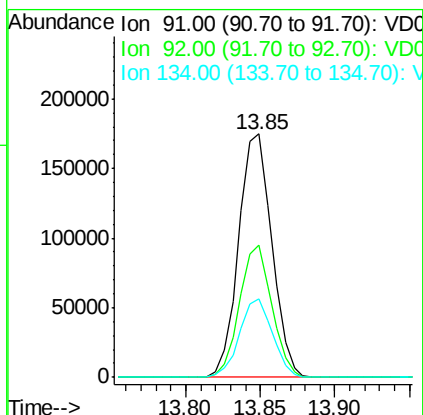
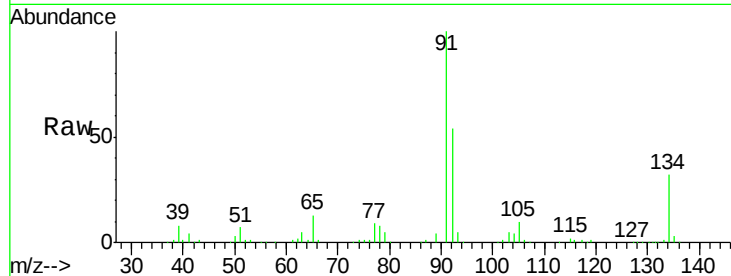
91 100

92 52.7 26.9 80.7

134 32.1 15.0 45.1

Manual Integrations
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#90

Hexachloroethane

Concen: 48.374 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VD066534.D

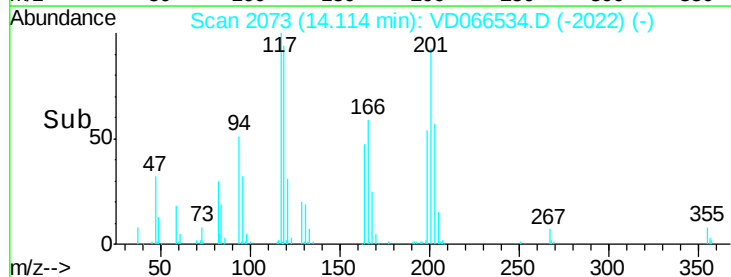
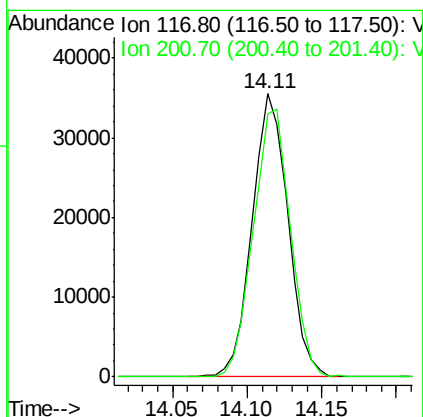
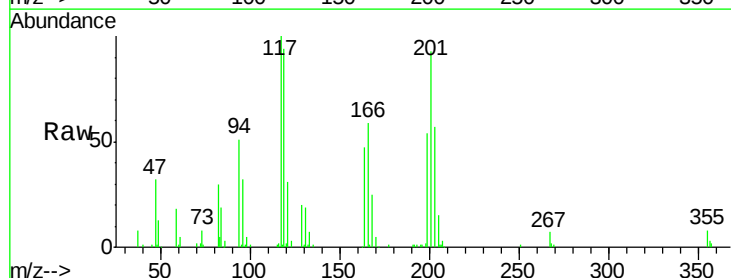
Acq: 02 Sep 2020 20:27

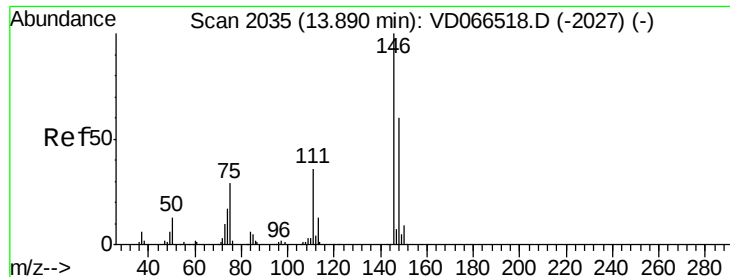
Tgt Ion: 117 Resp: 58603

Ion Ratio Lower Upper

117 100

201 98.3 50.0 150.0





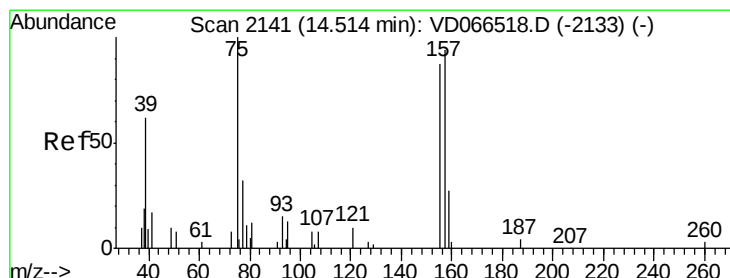
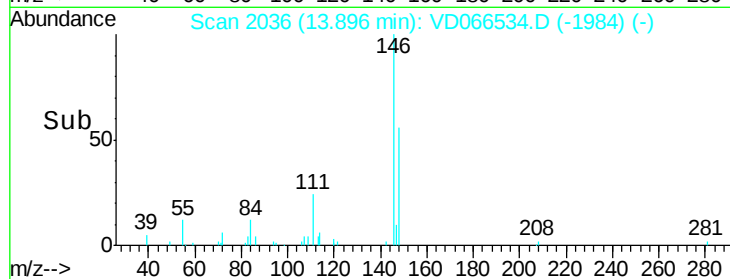
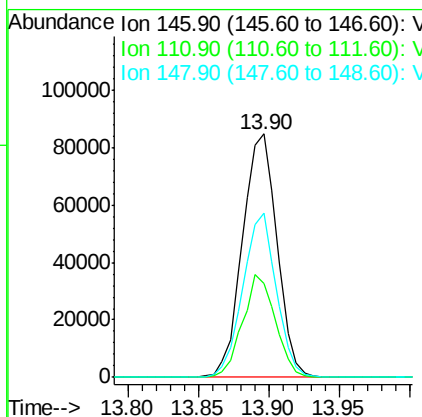
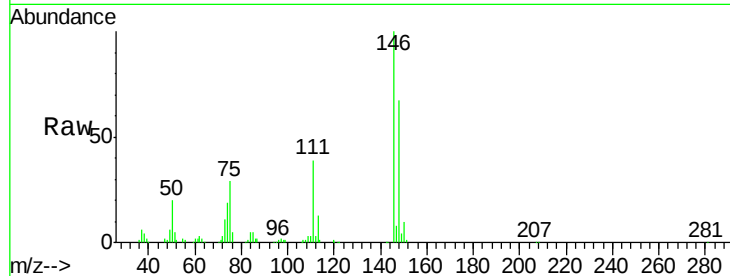
#91
 1,2-Dichlorobenzene
 Concen: 50.947 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.2
148	65.1	32.3	96.9

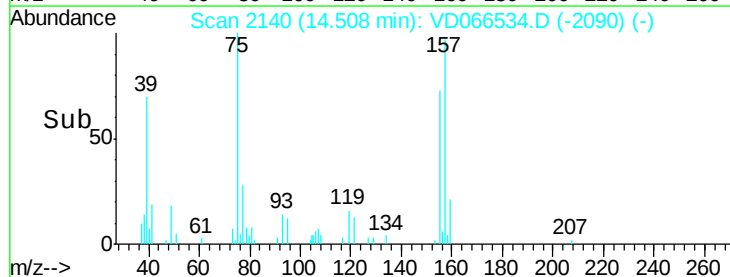
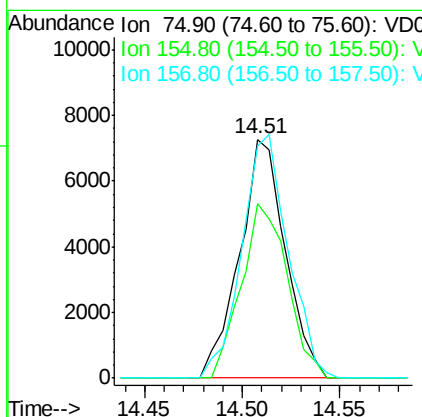
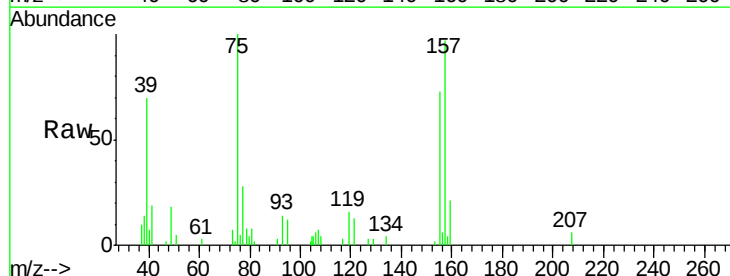
Manual Integrations
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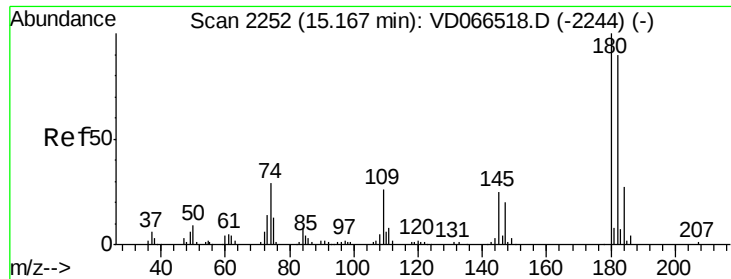
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.158 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.2	40.8	122.5
157	103.1	49.3	147.8





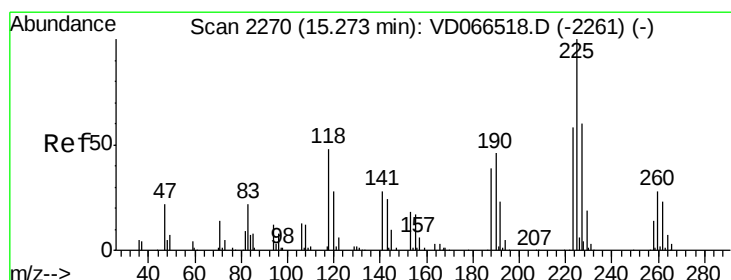
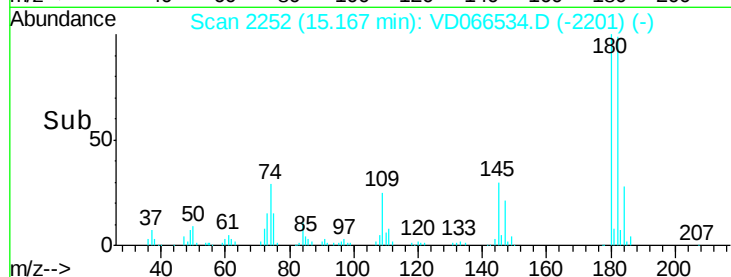
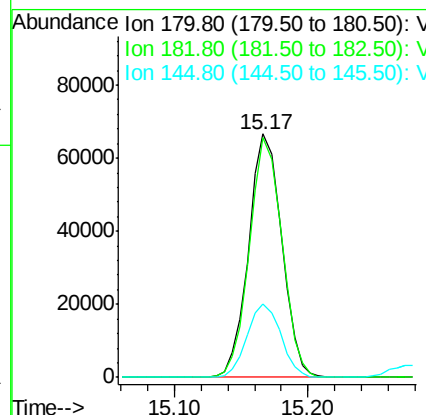
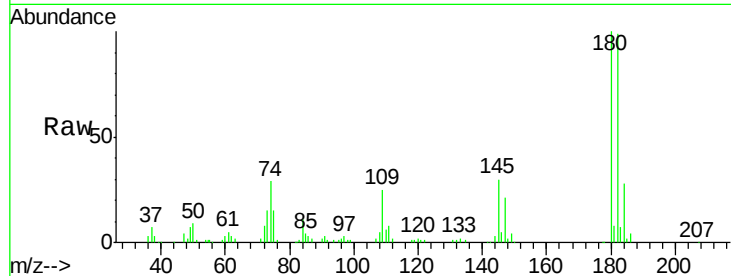
#93
 1,2,4-Trichlorobenzene
 Concen: 50.569 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114238		
182	96.7	46.9	140.6	
145	30.7	15.0	45.1	

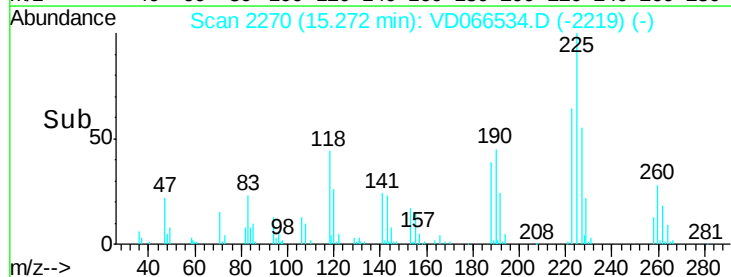
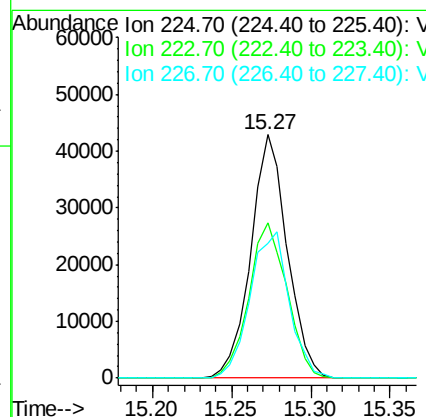
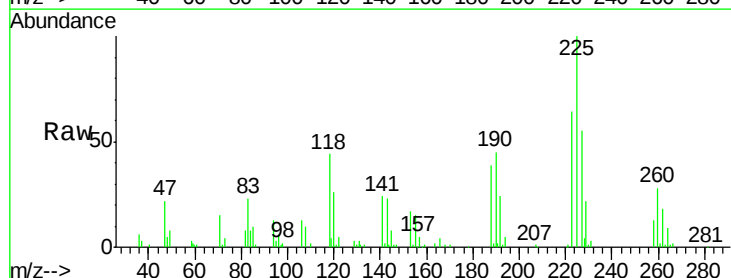
Manual Integrations
 APPROVED

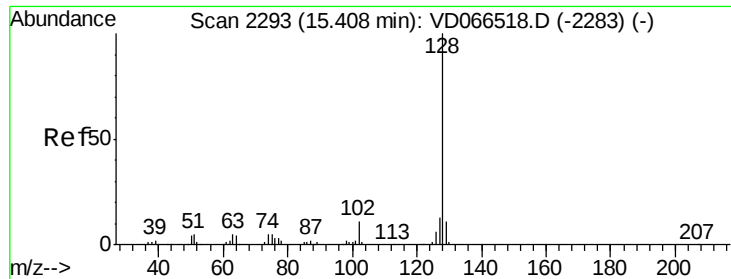
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#94
 Hexachlorobutadiene
 Concen: 46.811 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066534.D
 Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68551		
223	66.5	31.6	94.7	
227	64.4	31.4	94.3	





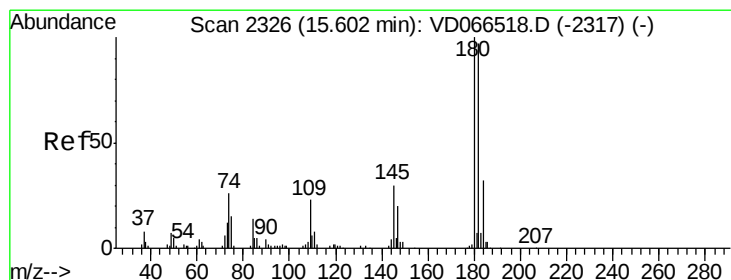
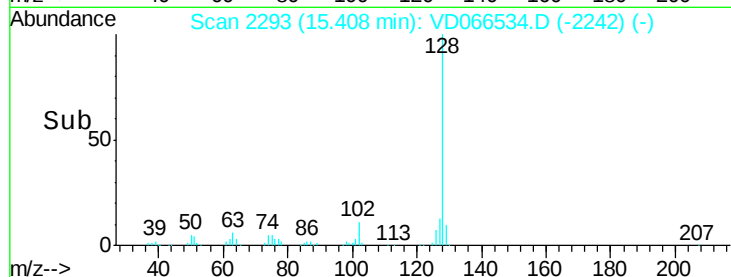
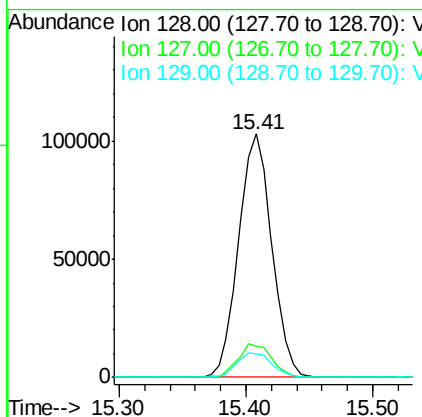
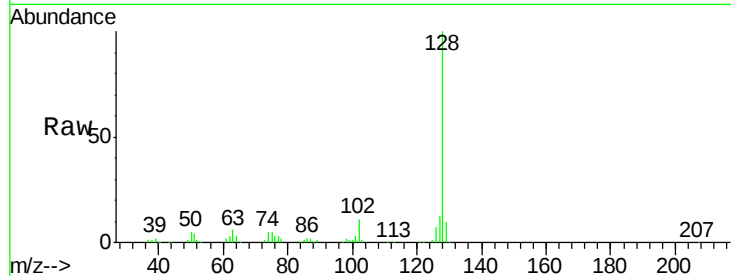
#95
Naphthalene
Concen: 53.285 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	187115		
127	13.9		11.1	16.7
129	10.7		8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 50.888 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066534.D
Acq: 02 Sep 2020 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	99333		
182	96.2		47.5	142.5
145	32.4		16.2	48.6

