

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066521.D
 Acq On : 02 Sep 2020 14:32
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD090220

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 4:57:21 PM

Quant Time: Sep 03 03:47:23 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	181622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	248106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	224951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	118860	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	93788	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
35) Dibromofluoromethane	7.91	113	75212	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
50) Toluene-d8	10.34	98	277136	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.63	95	98024	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71061	45.863	ug/l	92
3) Chloromethane	2.20	50	43462	46.660	ug/l	97
4) Vinyl Chloride	2.35	62	51775	45.580	ug/l	93
5) Bromomethane	2.77	94	43367	46.713	ug/l	96
6) Chloroethane	2.92	64	35404	46.328	ug/l	100
7) Trichlorofluoromethane	3.27	101	164841	47.607	ug/l	99
8) Diethyl Ether	3.71	74	31730	48.894	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	70420	48.836	ug/l	98
10) Methyl Iodide	4.30	142	75312	47.102	ug/l	98
11) Tert butyl alcohol	5.21	59	25034	230.863	ug/l	98
12) 1,1-Dichloroethene	4.06	96	68298	50.401	ug/l	84
13) Acrolein	3.92	56	13902	219.123	ug/l	89
14) Allyl chloride	4.71	41	75286	49.704	ug/l	100
15) Acrylonitrile	5.43	53	57640	247.678	ug/l	95
16) Acetone	4.16	43	69804	241.646	ug/l	98
17) Carbon Disulfide	4.41	76	190184	48.567	ug/l #	93
18) Methyl Acetate	4.71	43	22873	49.314	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	173151	48.972	ug/l	98
20) Methylene Chloride	4.97	84	72651	50.217	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	76561	49.395	ug/l	91
22) Diisopropyl ether	6.36	45	150139	49.457	ug/l	96
23) Vinyl Acetate	6.30	43	496520	254.403	ug/l	100
24) 1,1-Dichloroethane	6.26	63	112193	47.055	ug/l	97
25) 2-Butanone	7.21	43	72216	241.536	ug/l	100
26) 2,2-Dichloropropane	7.21	77	146043	48.341	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	82223	48.917	ug/l	97
28) Bromochloromethane	7.54	49	37558	54.448	ug/l	96
29) Tetrahydrofuran	7.56	42	36700	238.780	ug/l	96
30) Chloroform	7.71	83	151075	49.071	ug/l	96
31) Cyclohexane	7.98	56	91604	50.111	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	166397	48.530	ug/l	100
36) 1,1-Dichloropropene	8.11	75	105414	48.469	ug/l	97
37) Ethyl Acetate	7.28	43	31637	48.460	ug/l	99
38) Carbon Tetrachloride	8.09	117	164594	49.678	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	123976	48.791	ug/l	98
40) Benzene	8.34	78	270706	48.251	ug/l	95
41) Methacrylonitrile	7.52	41	15586	45.886	ug/l #	99
42) 1,2-Dichloroethane	8.42	62	114399	48.199	ug/l	99
43) Isopropyl Acetate	8.45	43	66371	48.532	ug/l	98
44) Trichloroethene	9.11	130	94152	48.621	ug/l	94
45) 1,2-Dichloropropane	9.38	63	53817	48.346	ug/l	100
46) Dibromomethane	9.47	93	40033	49.122	ug/l	96
47) Bromodichloromethane	9.66	83	119309	49.257	ug/l	97
48) Methyl methacrylate	9.46	41	32345	46.410	ug/l	96
49) 1,4-Dioxane	9.46	88	8764	929.048	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	156584	249.002	ug/l	99
52) Toluene	10.40	92	198309	49.693	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	109265	49.375	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	112345	48.188	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	52287	50.774	ug/l	94
56) Ethyl methacrylate	10.66	69	58714	48.447	ug/l	96
57) 1,3-Dichloropropane	10.94	76	85124	50.054	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.94	63	113323	239.540	ug/l	98
59) 2-Hexanone	10.98	43	115375	254.036	ug/l	99
60) Dibromochloromethane	11.14	129	83523	49.048	ug/l	99
61) 1,2-Dibromoethane	11.24	107	50099	47.727	ug/l	100
64) Tetrachloroethene	10.87	164	87411	49.839	ug/l	98
65) Chlorobenzene	11.67	112	219021	49.488	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	91888	49.072	ug/l	98
67) Ethyl Benzene	11.74	91	384933	49.375	ug/l	97
68) m/p-Xylenes	11.86	106	299717	99.364	ug/l	99
69) o-Xylene	12.18	106	141211	49.422	ug/l	97
70) Styrene	12.20	104	241587	49.387	ug/l	98
71) Bromoform	12.36	173	50656	49.320	ug/l #	95
73) Isopropylbenzene	12.48	105	400451	50.420	ug/l	98
74) N-amyl acetate	12.29	43	59469	49.658	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	47260	50.356	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	36434m	48.728	ug/l	
77) Bromobenzene	12.76	156	99170	49.204	ug/l	98
78) n-propylbenzene	12.82	91	433224	50.057	ug/l	97
79) 2-Chlorotoluene	12.91	91	248145	49.554	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	345584	50.048	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	17483	52.070	ug/l	99
82) 4-Chlorotoluene	13.01	91	265311	49.326	ug/l	98
83) tert-Butylbenzene	13.23	119	298134	49.226	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	344636	49.903	ug/l	98
85) sec-Butylbenzene	13.40	105	378513	49.333	ug/l	99
86) p-Isopropyltoluene	13.52	119	381579	49.757	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	184904	49.466	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	182690	48.311	ug/l	98
89) n-Butylbenzene	13.85	91	317441	49.418	ug/l	100
90) Hexachloroethane	14.11	117	68974	50.119	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	159245	48.978	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11572	46.623	ug/l	93

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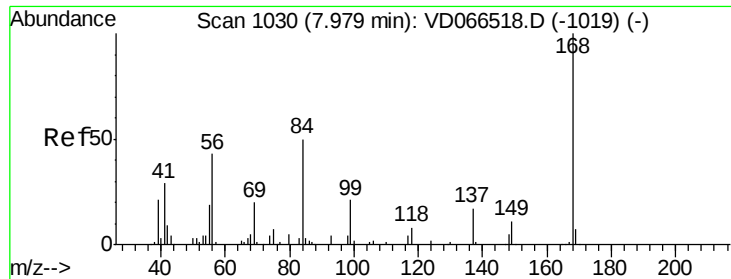
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	130289	50.770	ug/l	99
94) Hexachlorobutadiene	15.27	225	83489	50.186	ug/l	99
95) Naphthalene	15.41	128	202346	50.724	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	108962	49.138	ug/l	98

(#) = 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: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

Tot Ion:168 Resp: 181622

Ion Ratio Lower Upper

168 100

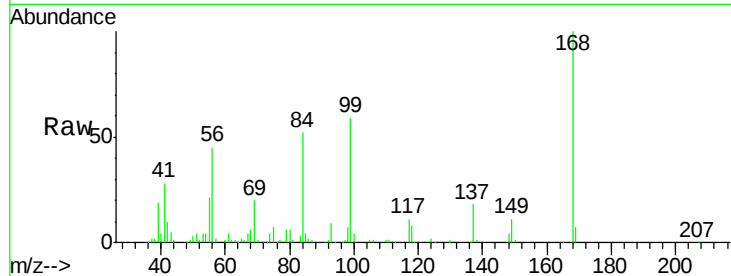
99 59.1 45.1 67.7

Manual Integrations

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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

80000

60000

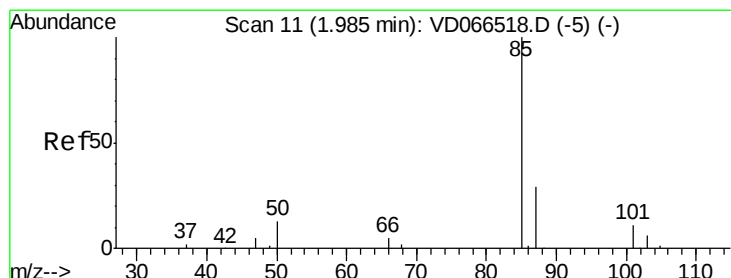
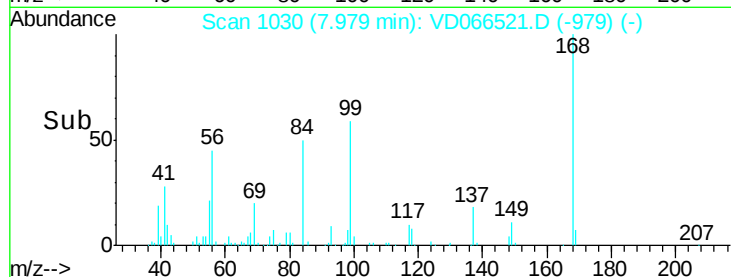
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.863 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066521.D

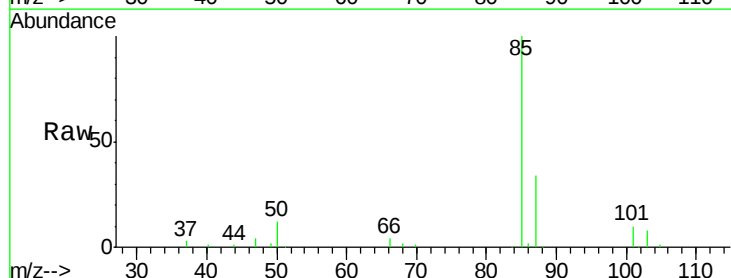
Acq: 02 Sep 2020 14:32

Tgt Ion: 85 Resp: 71061

Ion Ratio Lower Upper

85 100

87 33.6 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

60000

50000

40000

30000

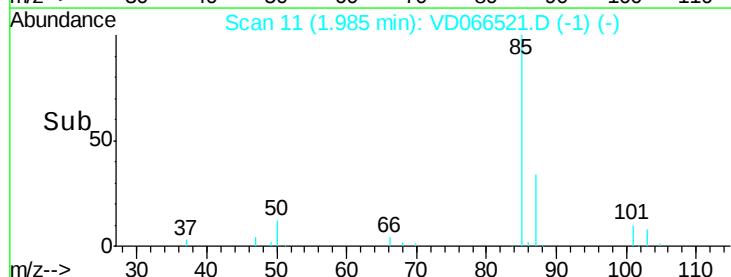
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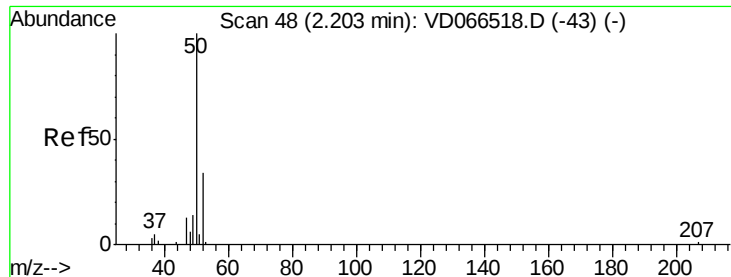
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 46.660 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

Tot Ion: 50 Resp: 43462

Ion Ratio Lower Upper

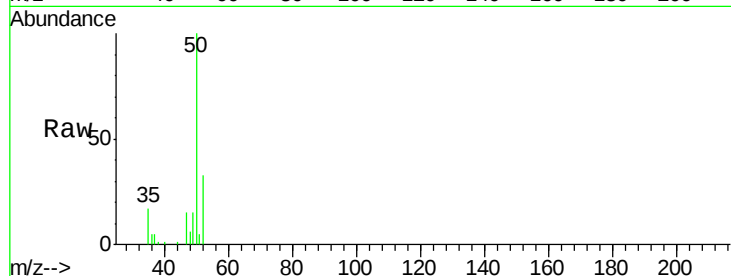
50 100

52 33.0 27.6 41.4

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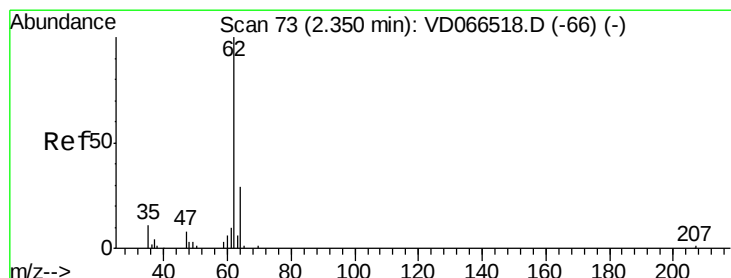
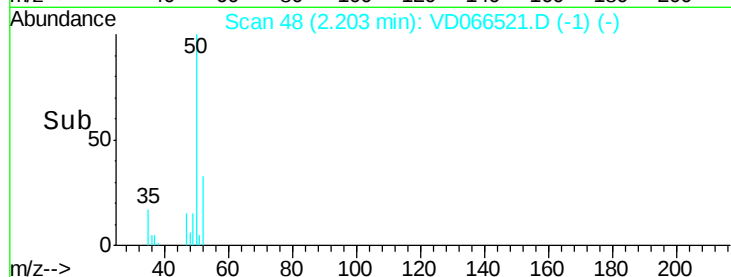
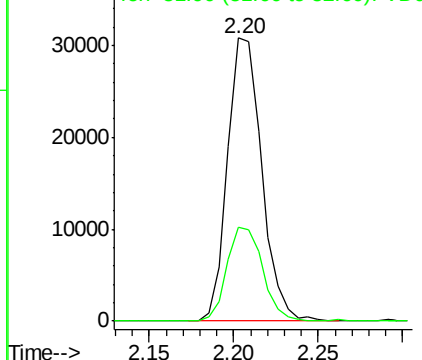
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9/3/2020 4:57:21 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.580 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066521.D

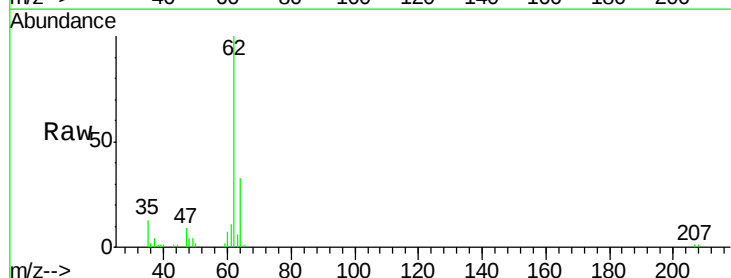
Acq: 02 Sep 2020 14:32

Tgt Ion: 62 Resp: 51775

Ion Ratio Lower Upper

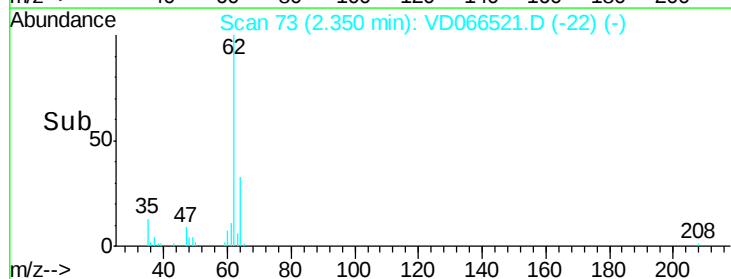
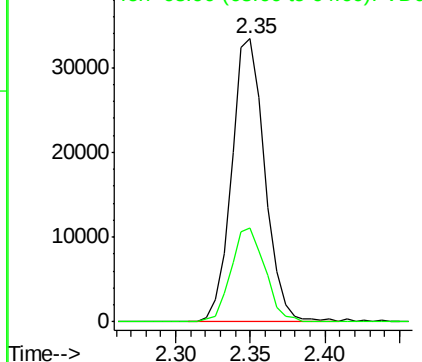
62 100

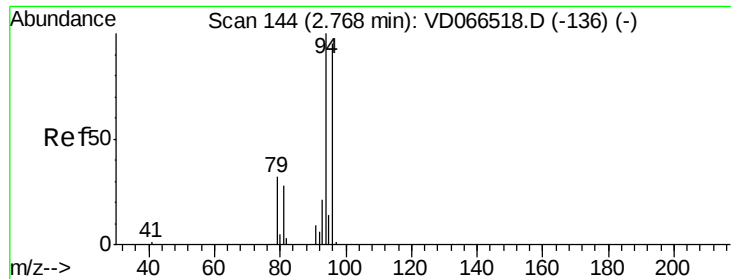
64 33.3 23.4 35.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.713 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

Tot Ion: 94 Resp: 43367

Ion Ratio Lower Upper

94 100

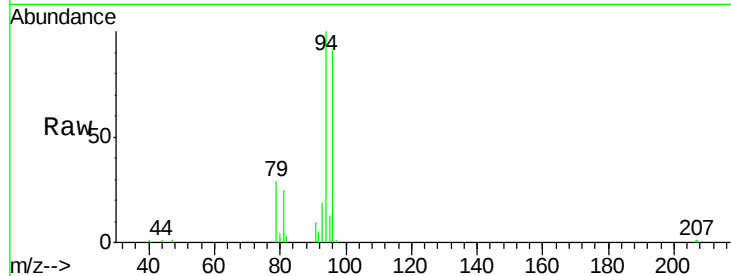
96 91.2 75.8 113.8

Manual Integrations

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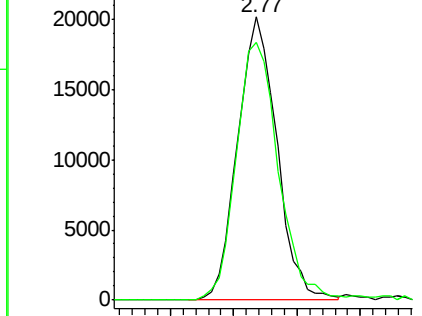
MMDadoda

9/3/2020 4:57:21 PM

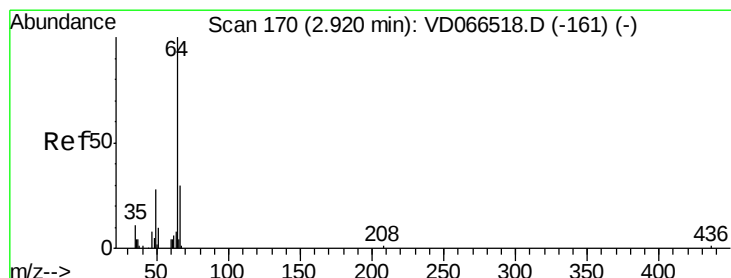
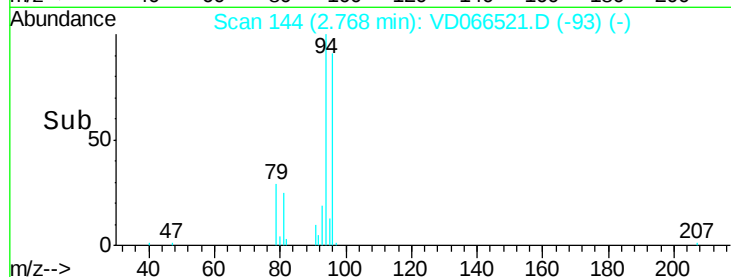


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 46.328 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066521.D

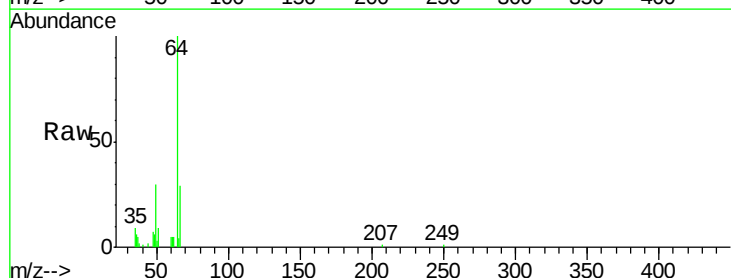
Acq: 02 Sep 2020 14:32

Tgt Ion: 64 Resp: 35404

Ion Ratio Lower Upper

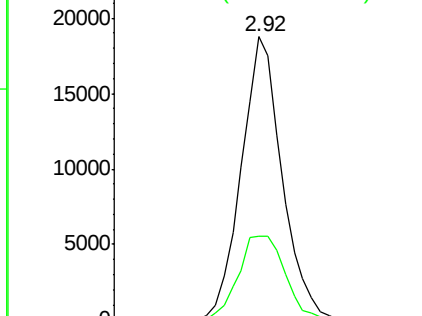
64 100

66 29.4 23.7 35.5

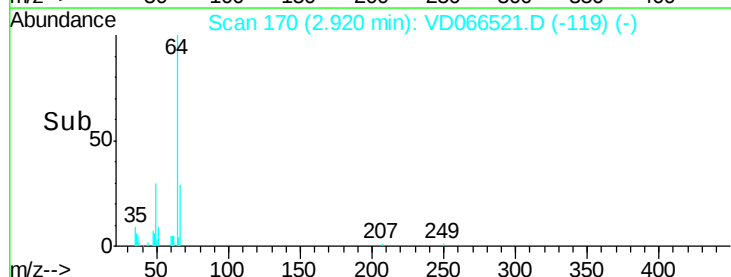


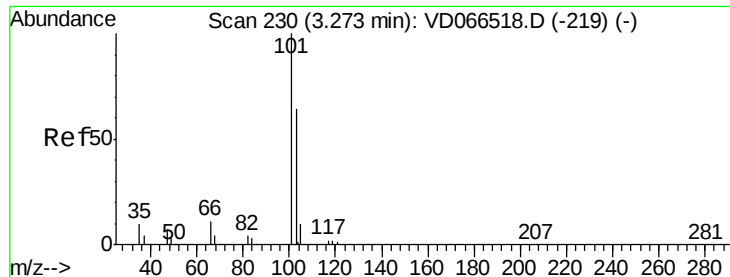
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

Trichlorofluoromethane

Concen: 47.607 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

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ICVVD090220

Tot Ion: 101 Resp: 164841

Ion Ratio Lower Upper

101 100

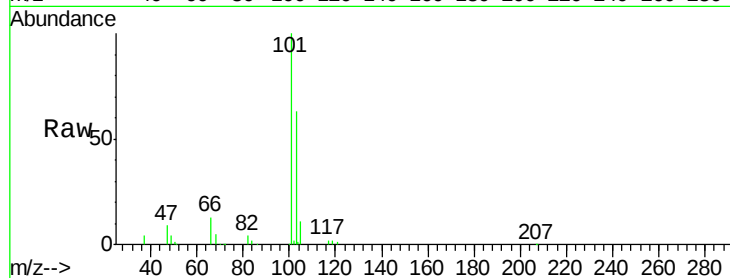
103 62.8 50.9 76.3

Manual Integrations

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9/3/2020 4:57:21 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

60000

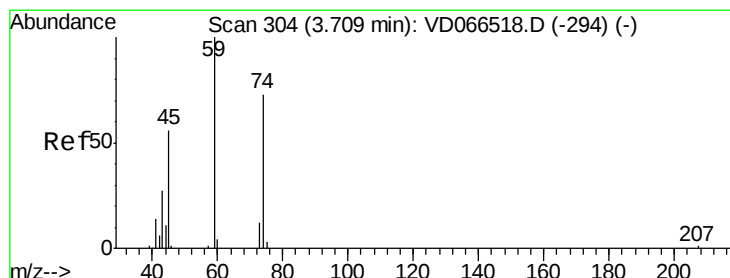
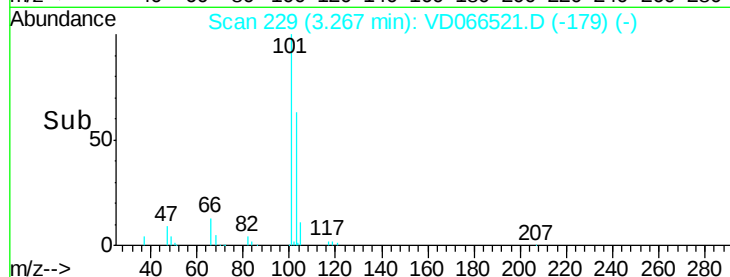
40000

20000

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Time-->

3.20 3.30 3.40



#8

Diethyl Ether

Concen: 48.894 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD066521.D

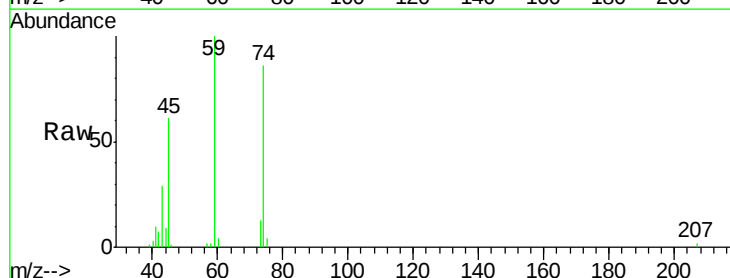
Acq: 02 Sep 2020 14:32

Tgt Ion: 74 Resp: 31730

Ion Ratio Lower Upper

74 100

45 71.2 38.6 115.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.71

15000

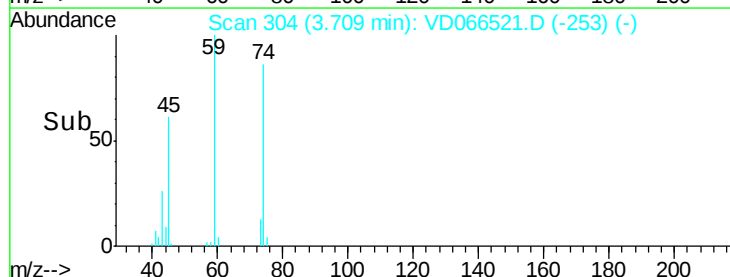
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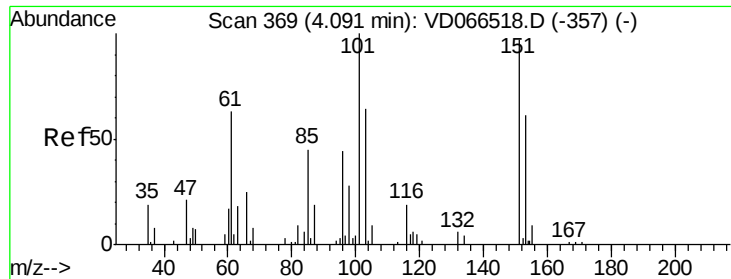
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Time-->

3.60 3.65 3.70 3.75 3.80





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.836 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

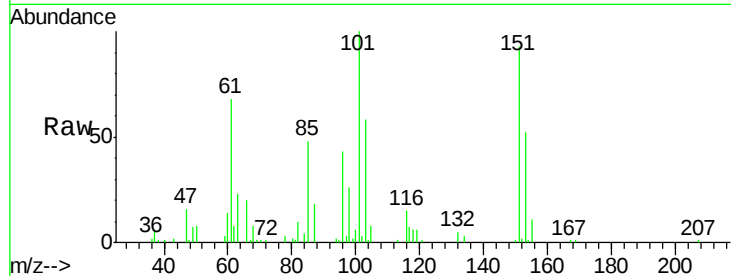
ClientSampleId :

ICVVD090220

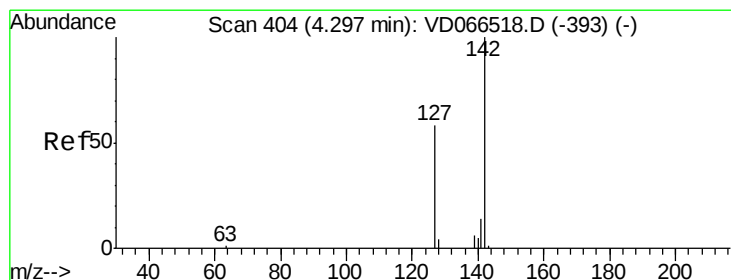
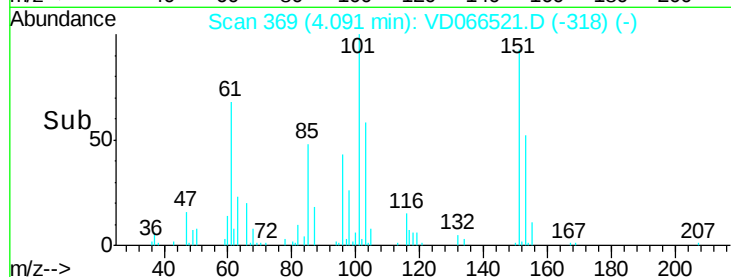
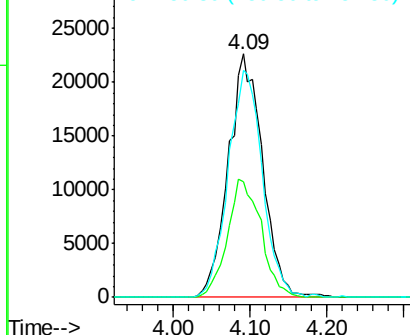
Tot Ion:	101	Resp:	70420
Ion Ratio	Lower	Upper	
101	100		
85	47.5	39.4	59.0
151	92.7	75.5	113.3

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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: 47.102 ug/l

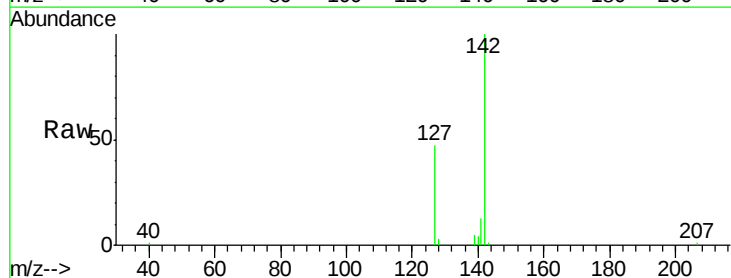
RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

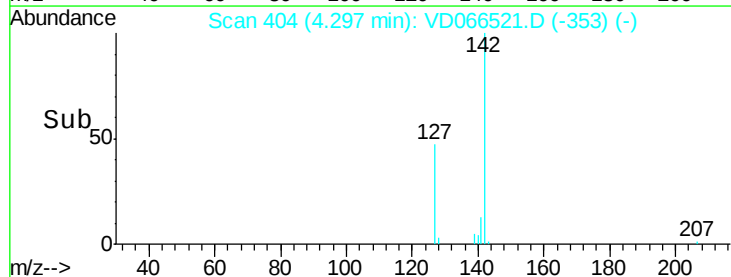
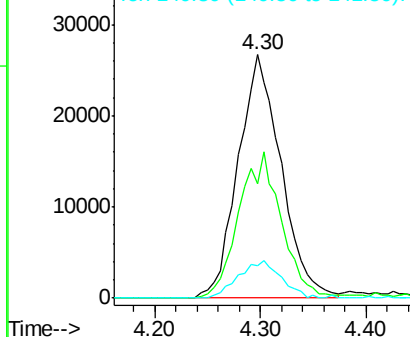
Lab File: VD066521.D

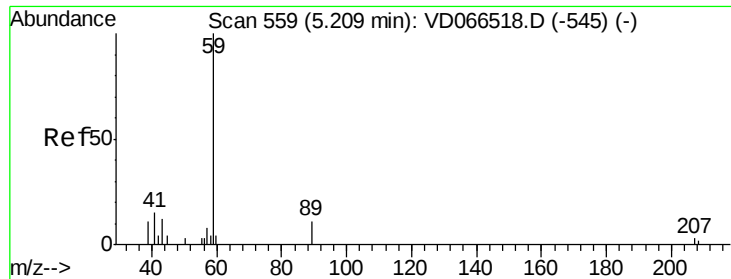
Acq: 02 Sep 2020 14:32

Tgt Ion:	142	Resp:	75312
Ion Ratio	Lower	Upper	
142	100		
127	59.3	46.3	69.5
141	15.2	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





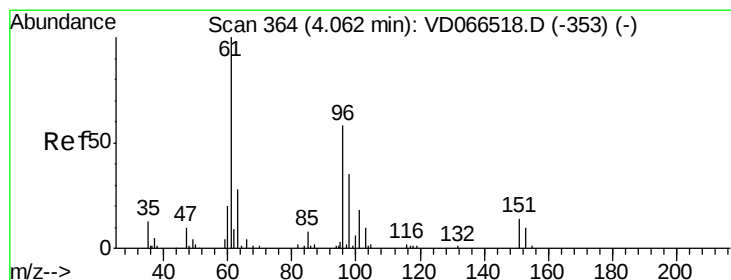
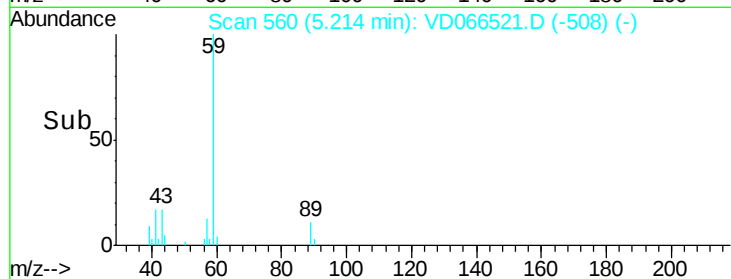
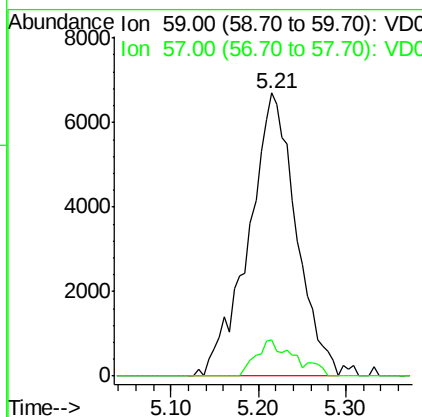
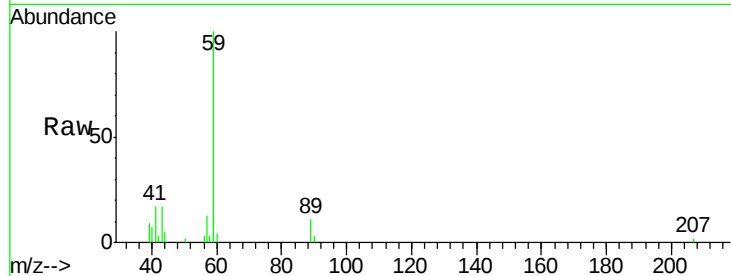
#11
Tert butyl alcohol
Concen: 230.863 ug/l
RT: 5.21 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		25034		
57	9.2		6.8	10.2	

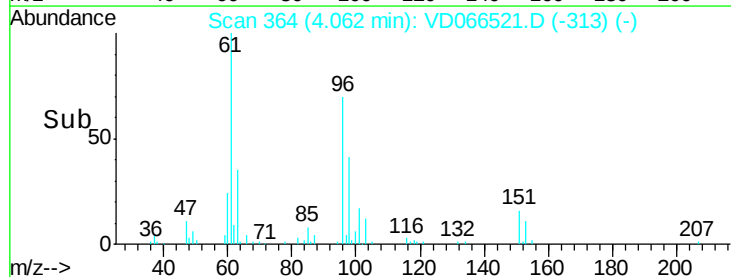
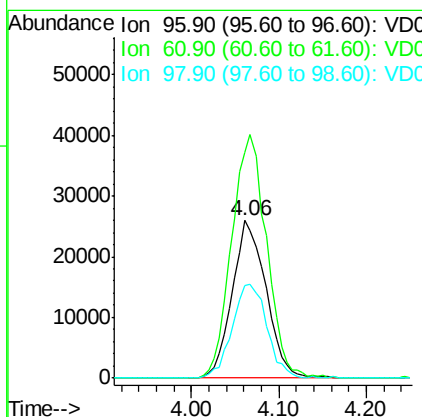
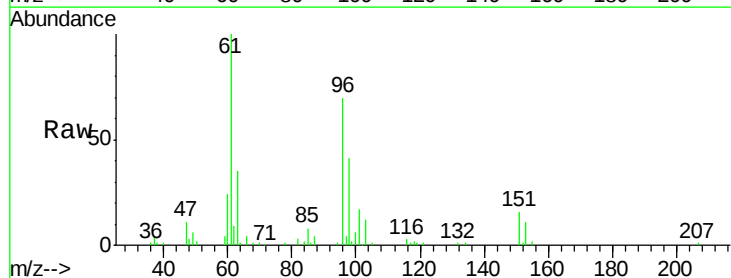
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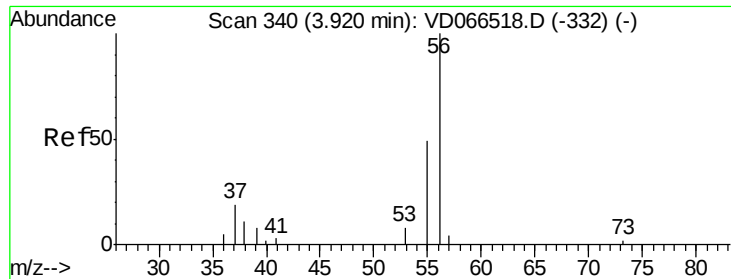
MMDadoda
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#12
1,1-Dichloroethene
Concen: 50.401 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		68298		
61	143.7		137.5	206.3	
98	58.7		47.8	71.6	





#13

Acrolein

Concen: 219.123 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

Tot Ion: 56 Resp: 13902

Ion Ratio Lower Upper

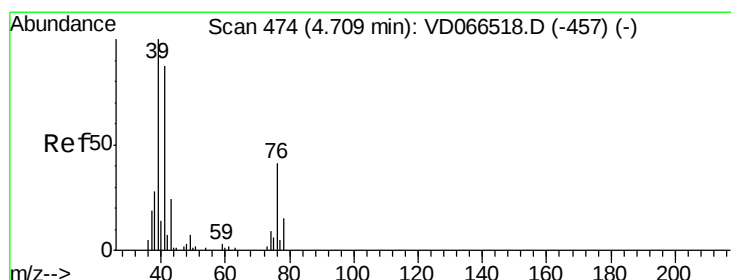
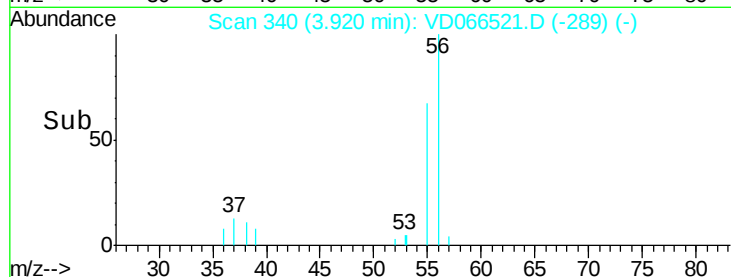
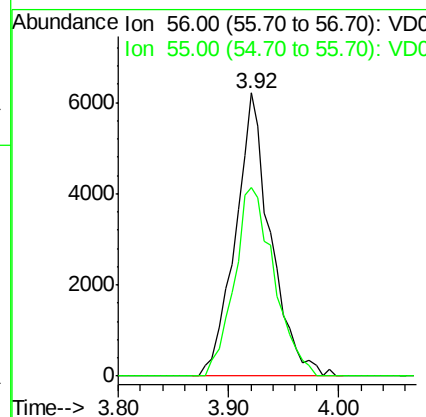
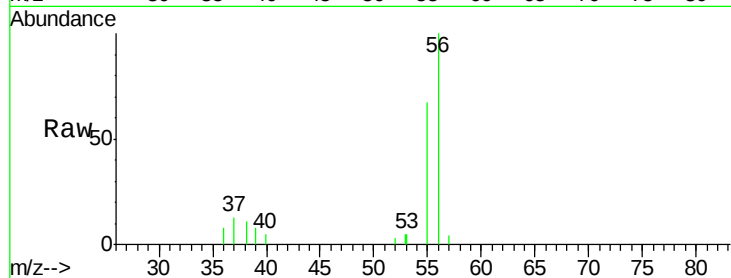
56 100

55 75.2 53.0 79.4

Manual Integrations
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#14

Allyl chloride

Concen: 49.704 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

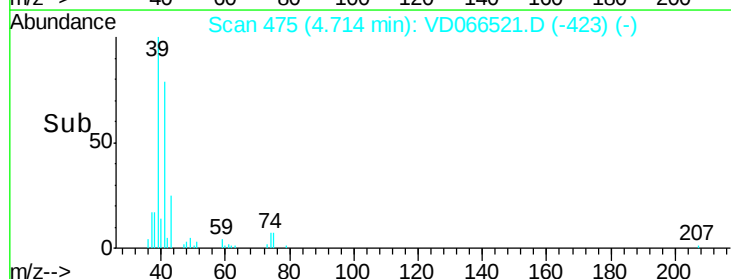
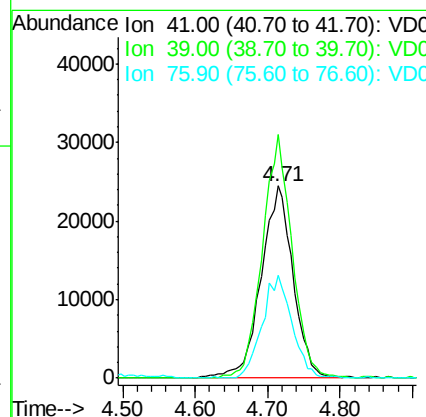
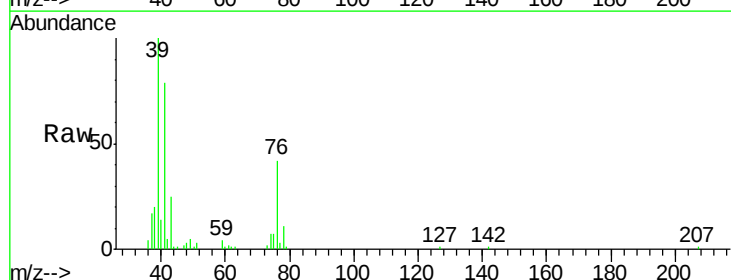
Tgt Ion: 41 Resp: 75286

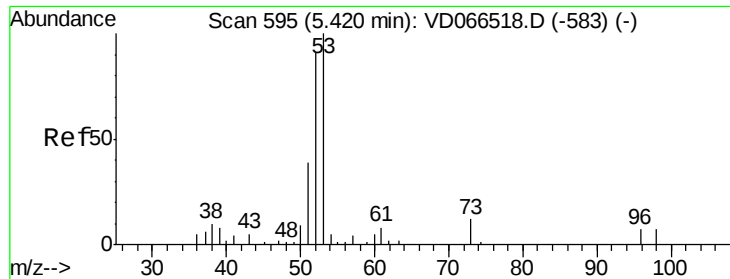
Ion Ratio Lower Upper

41 100

39 117.5 93.8 140.8

76 49.7 39.4 59.0





#15

Acrylonitrile

Concen: 247.678 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

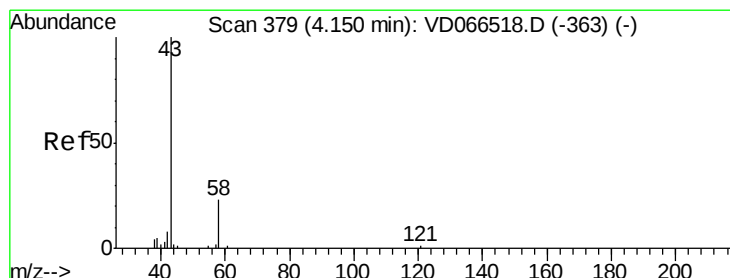
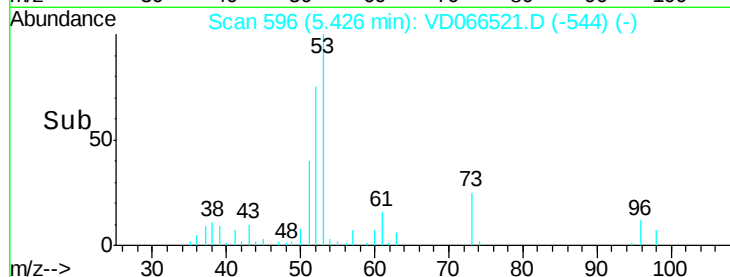
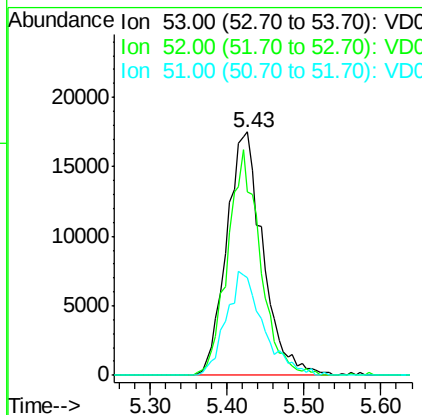
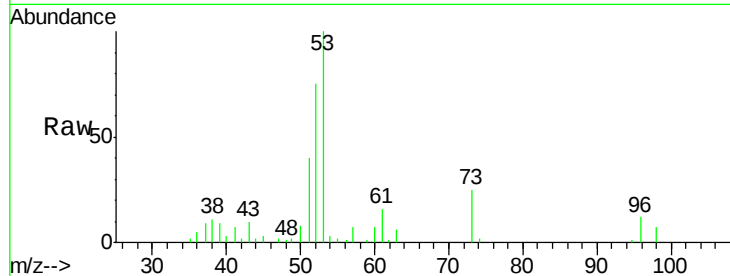
ClientSampleId :

ICVVD090220

Tot Ion:	53	Resp:	57640
Ion	Ratio	Lower	Upper
53	100		
52	82.9	71.0	106.4
51	43.0	35.8	53.6

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#16

Acetone

Concen: 241.646 ug/l

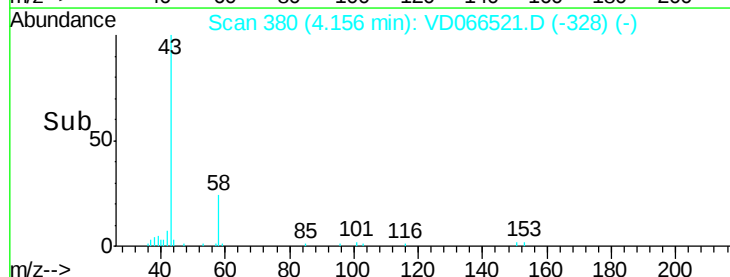
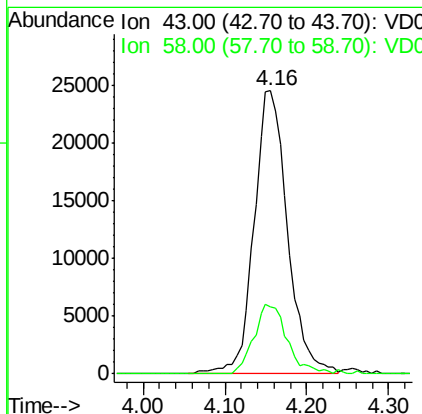
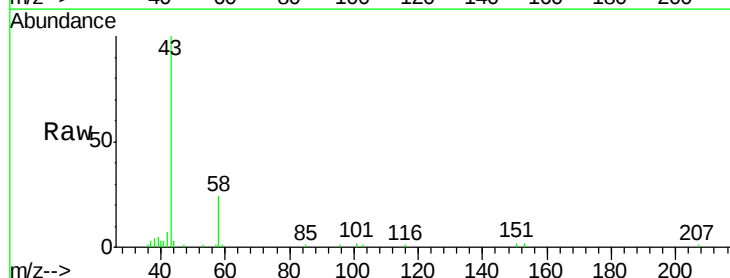
RT: 4.16 min Scan# 380

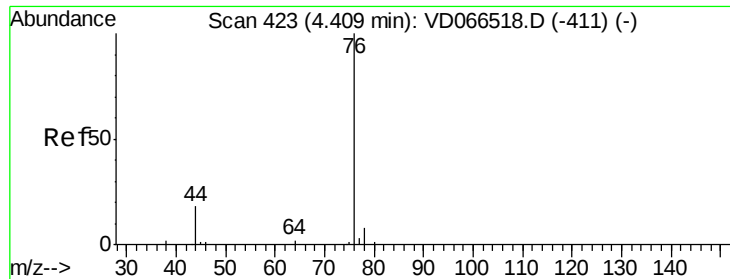
Delta R.T. 0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Tgt Ion:	43	Resp:	69804
Ion	Ratio	Lower	Upper
43	100		
58	23.7	18.1	27.1





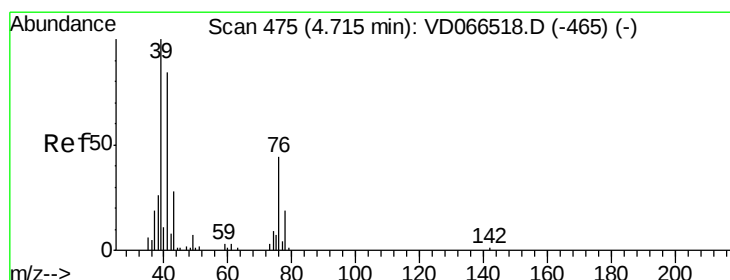
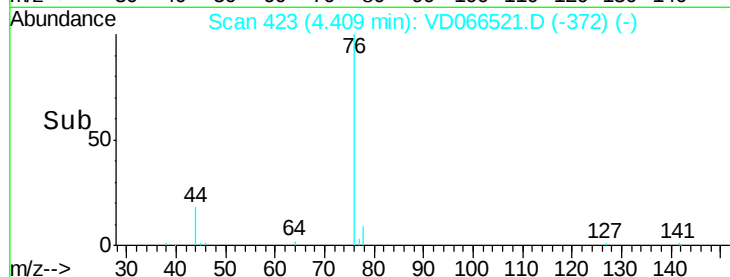
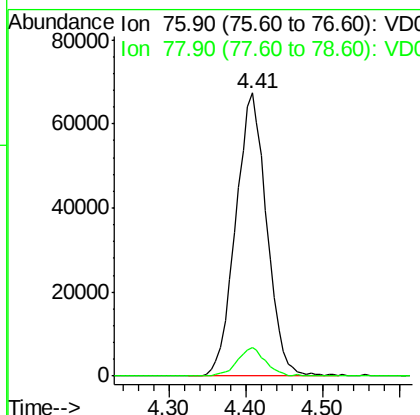
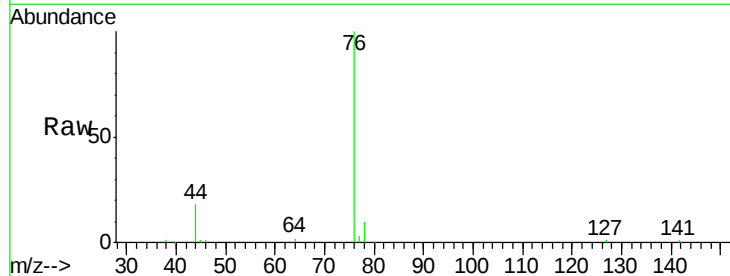
#17
Carbon Disulfide
Concen: 48.567 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion: 76 Resp: 190184
Ion Ratio Lower Upper
76 100
78 10.3 6.2 9.4#

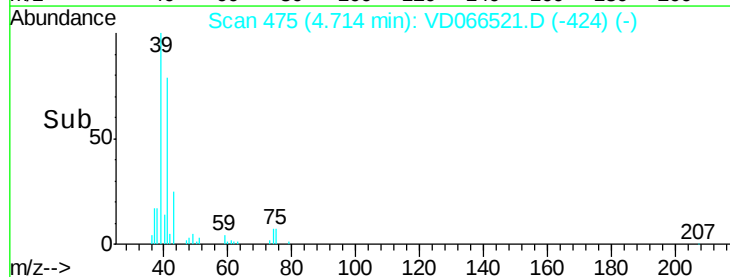
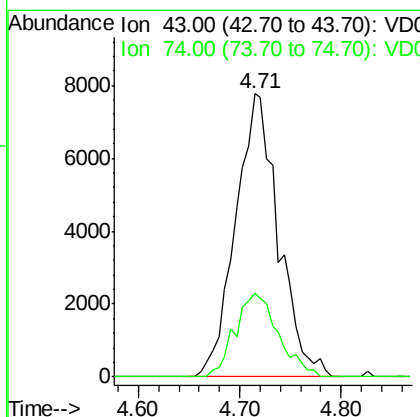
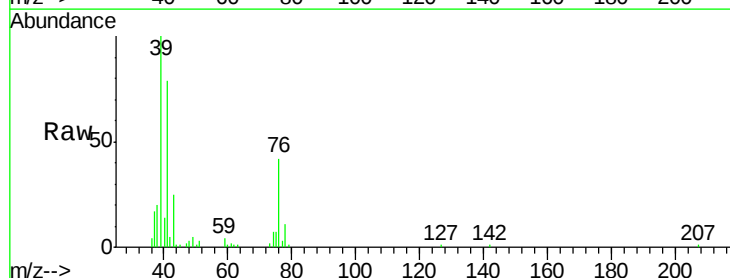
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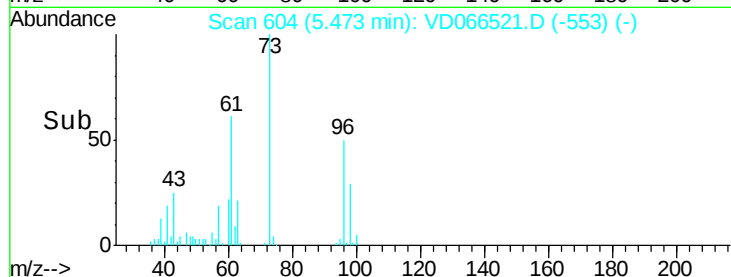
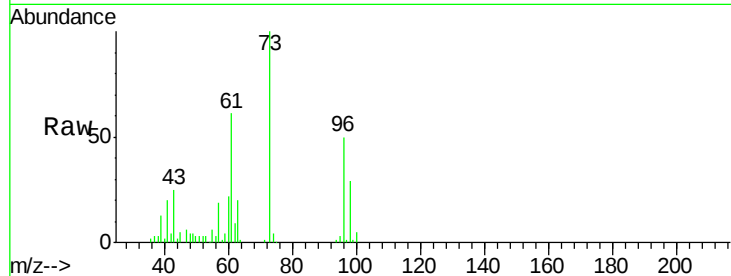
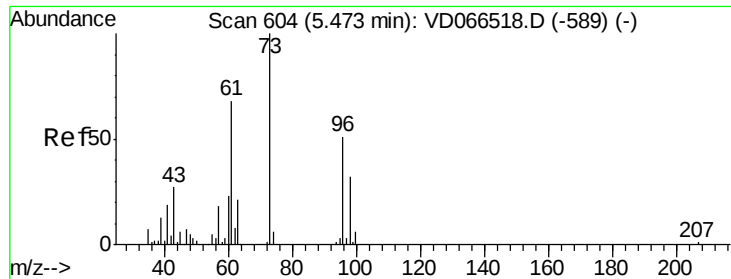
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#18
Methyl Acetate
Concen: 49.314 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion: 43 Resp: 22873
Ion Ratio Lower Upper
43 100
74 29.7 26.3 39.5





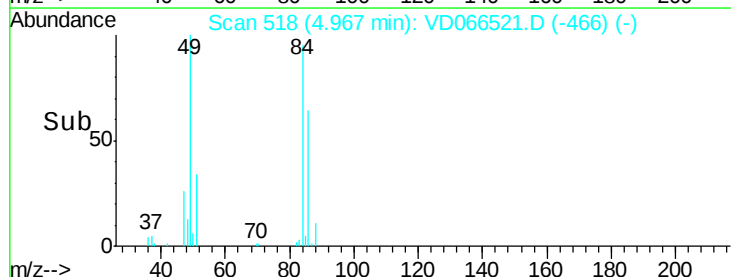
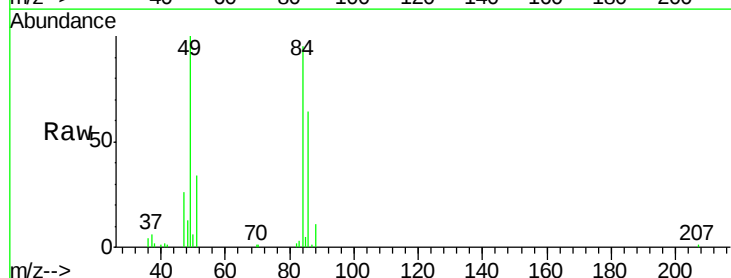
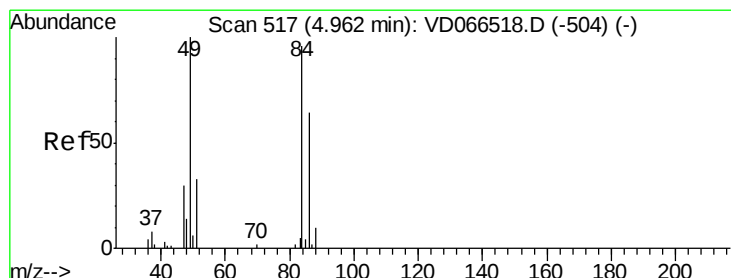
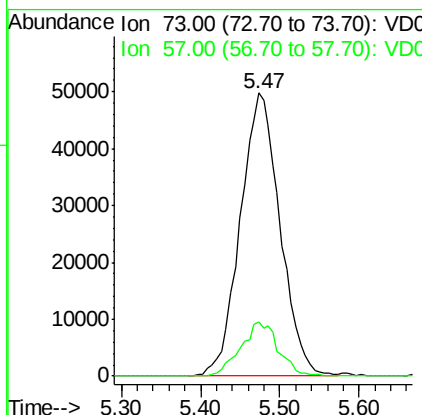
#19
Methyl tert-butyl Ether
Concen: 48.972 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tot Ion	73	Resp	173151
Ion Ratio	100	Lower	Upper
57	19.1	14.6	22.0

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

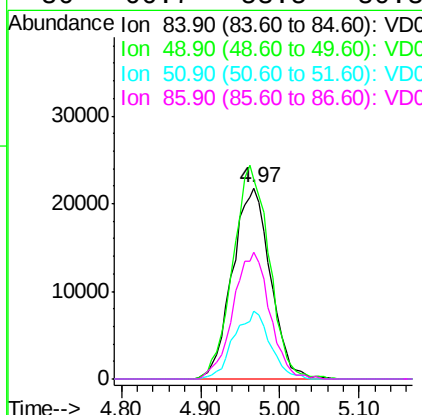
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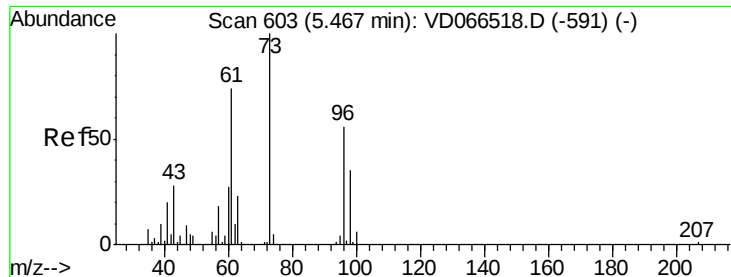
MMDadoda
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#20
Methylene Chloride
Concen: 50.217 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	84	Resp	72651
Ion Ratio	100	Lower	Upper
49	104.9	83.5	125.3
51	35.8	27.8	41.8
86	66.7	53.5	80.3





#21

trans-1,2-Dichloroethene

Concen: 49.395 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

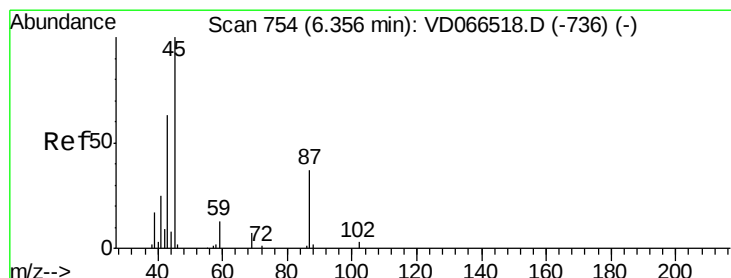
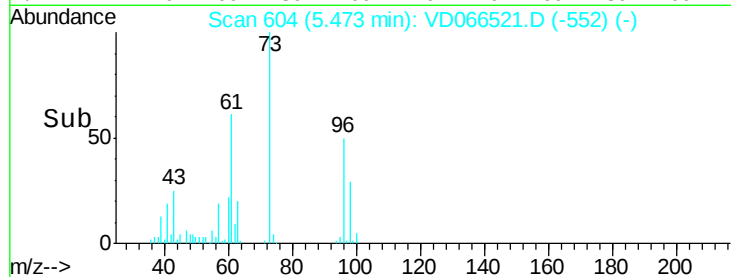
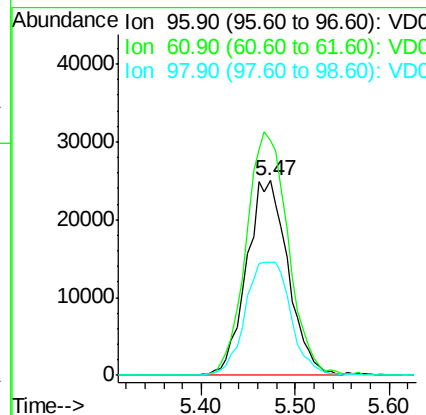
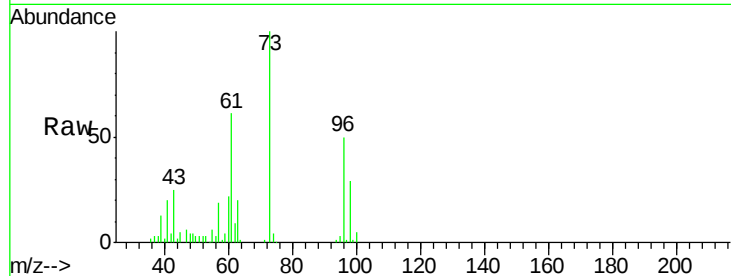
ClientSampleId :

ICVVD090220

Tot Ion:	96	Resp:	76561
Ion	Ratio	Lower	Upper
96	100		
61	120.9	106.6	160.0
98	58.2	50.6	76.0

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#22

Diisopropyl ether

Concen: 49.457 ug/l

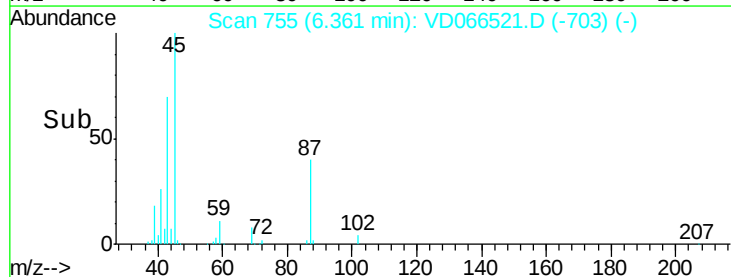
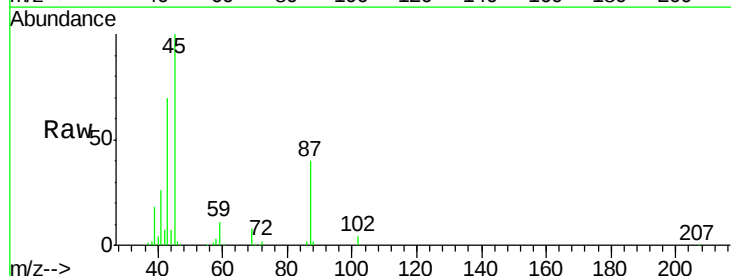
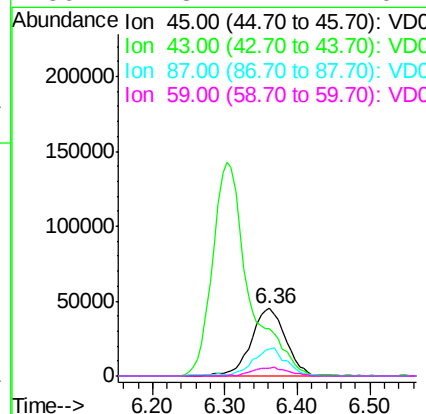
RT: 6.36 min Scan# 755

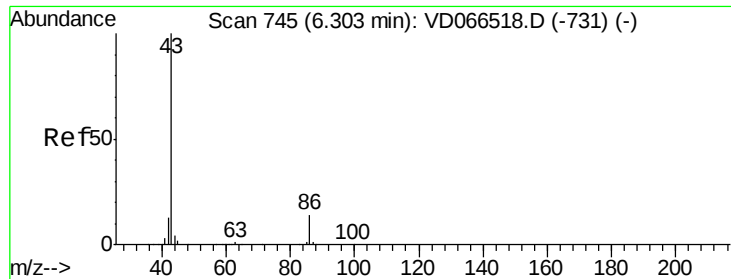
Delta R.T. 0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Tgt Ion:	45	Resp:	150139
Ion	Ratio	Lower	Upper
45	100		
43	69.6	53.4	80.0
87	40.1	30.2	45.4
59	11.3	11.1	16.7





#23

Vinyl Acetate

Concen: 254.403 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

Tot Ion: 43 Resp: 496520

Ion Ratio Lower Upper

43 100

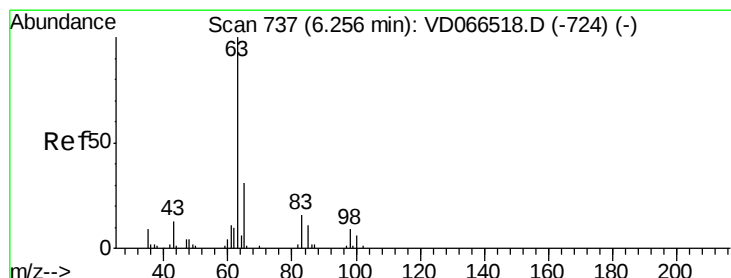
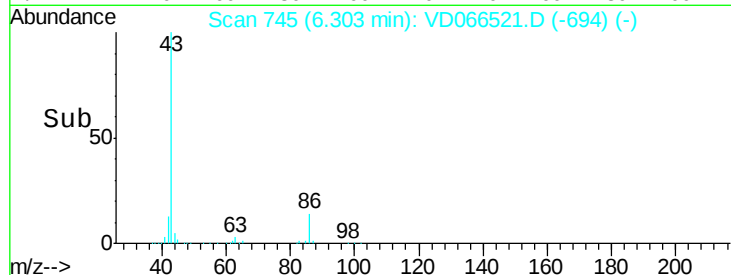
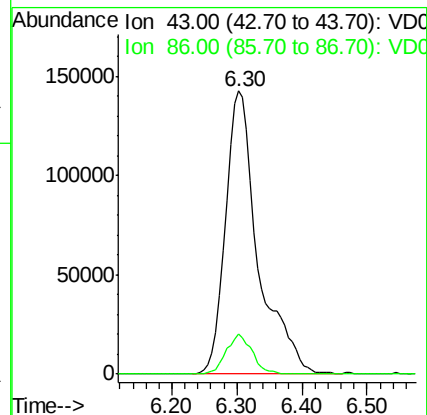
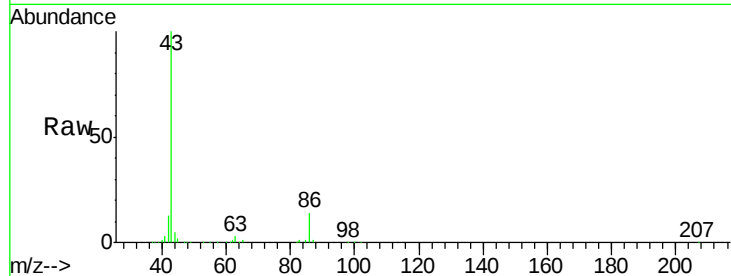
86 14.0 11.3 16.9

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#24

1,1-Dichloroethane

Concen: 47.055 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

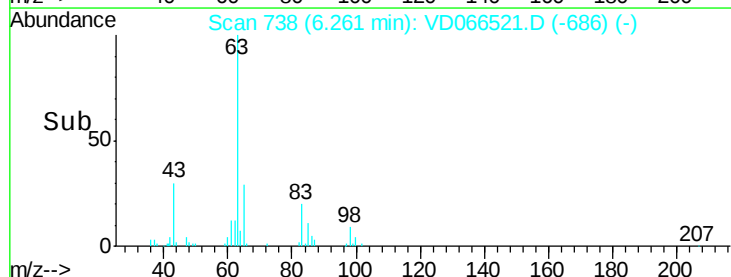
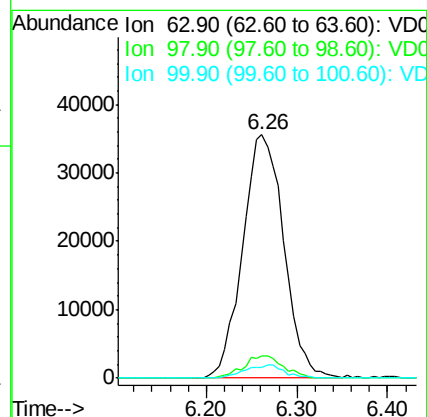
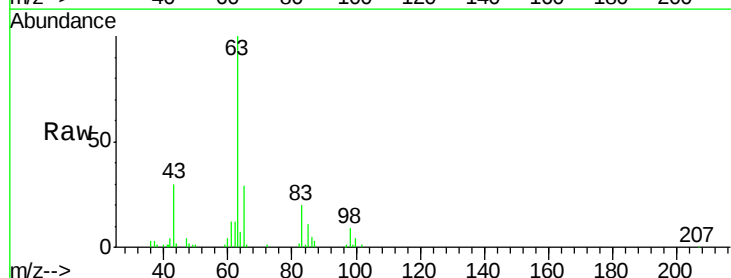
Tgt Ion: 63 Resp: 112193

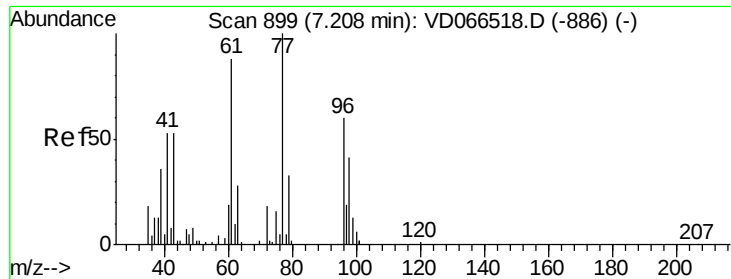
Ion Ratio Lower Upper

63 100

98 9.4 4.3 13.1

100 4.1 2.9 8.7





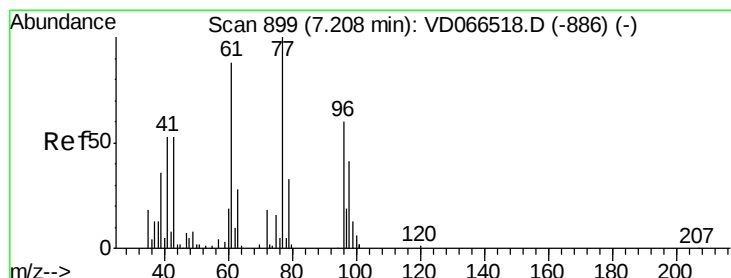
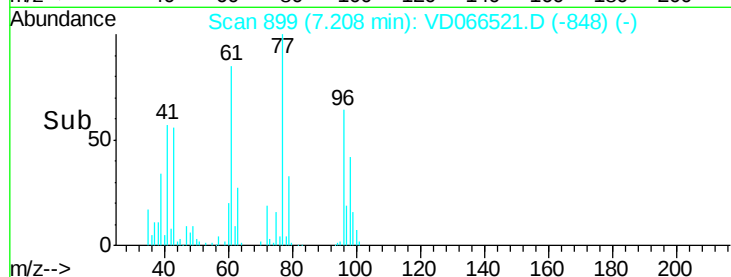
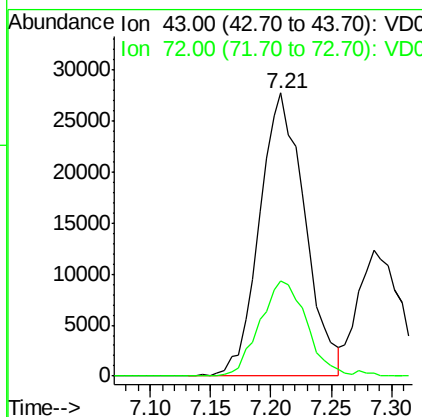
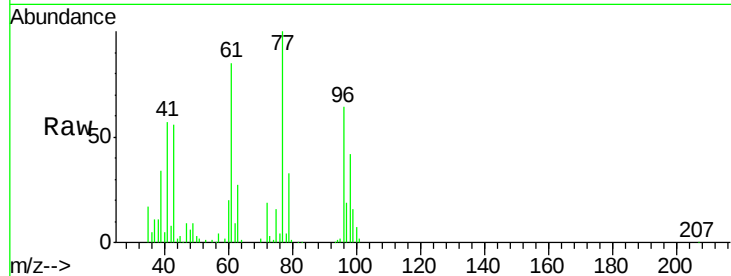
#25
2-Butanone
Concen: 241.536 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion: 43 Resp: 72216
Ion Ratio Lower Upper
43 100
72 33.5 26.8 40.2

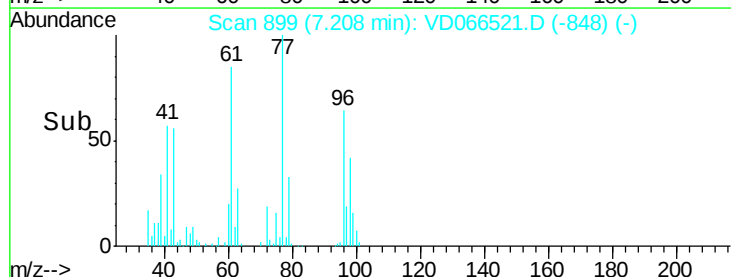
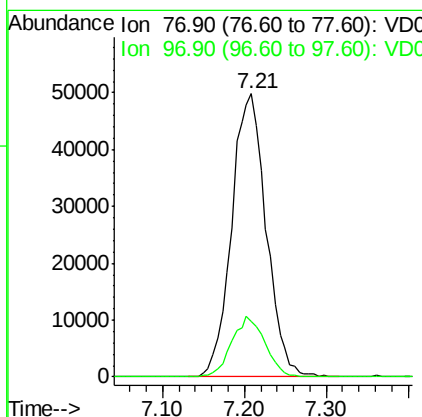
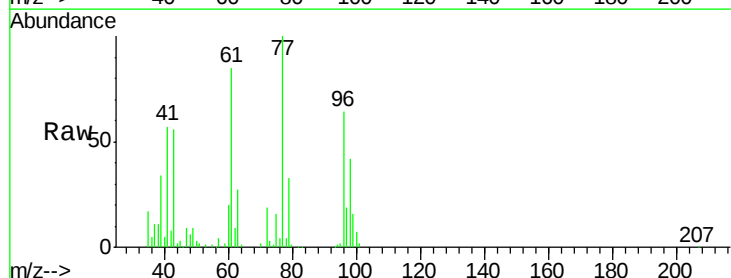
Manual Integrations
APPROVED

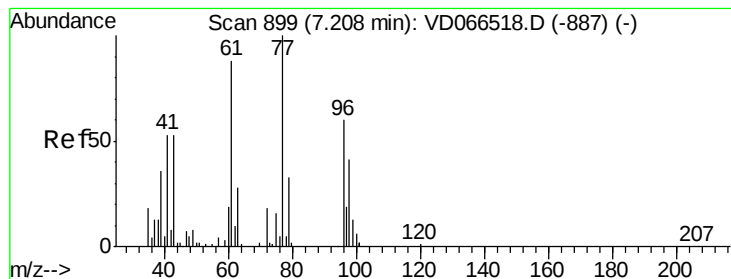
MMDadoda
9/3/2020 4:57:21 PM



#26
2,2-Dichloropropane
Concen: 48.341 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion: 77 Resp: 146043
Ion Ratio Lower Upper
77 100
97 20.5 10.2 30.4





#27

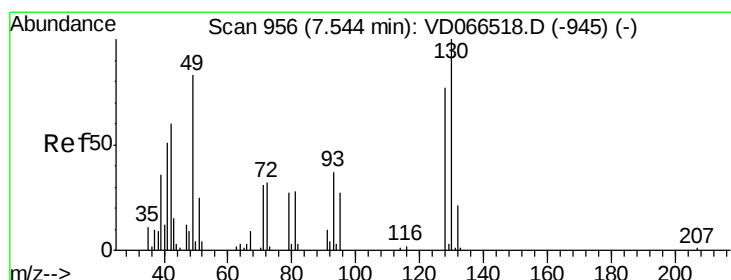
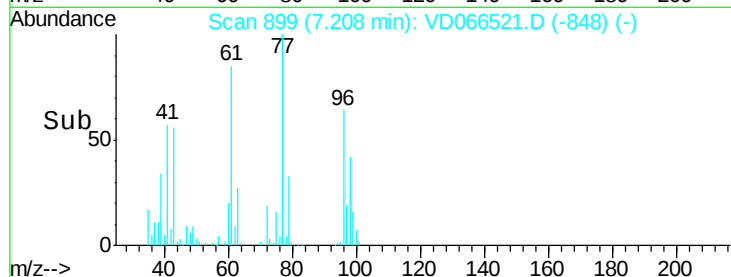
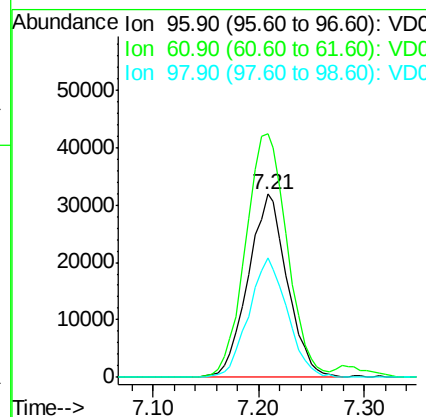
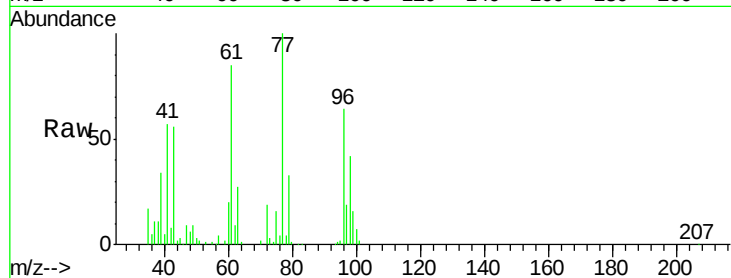
cis-1,2-Dichloroethene
Concen: 48.917 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	292.8
98	63.7	0.0	130.2

Manual Integrations
APPROVED

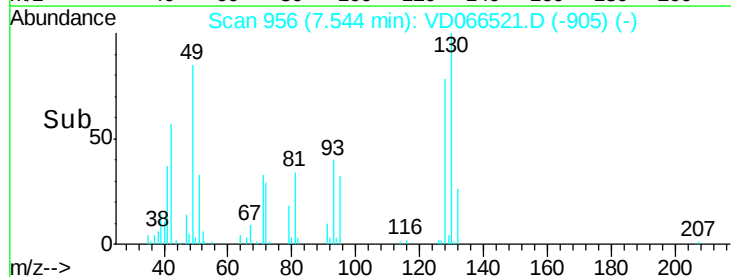
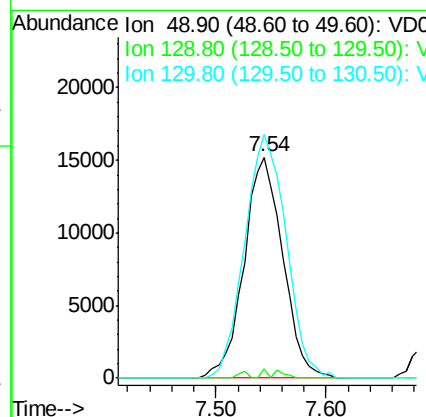
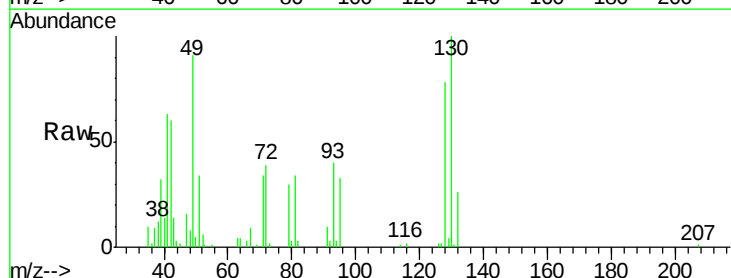
MMDadoda
9/3/2020 4:57:21 PM

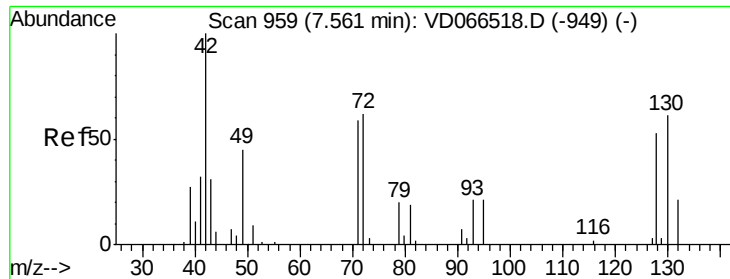


#28

Bromochloromethane
Concen: 54.448 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	1.2
130	117.7	98.0	147.0





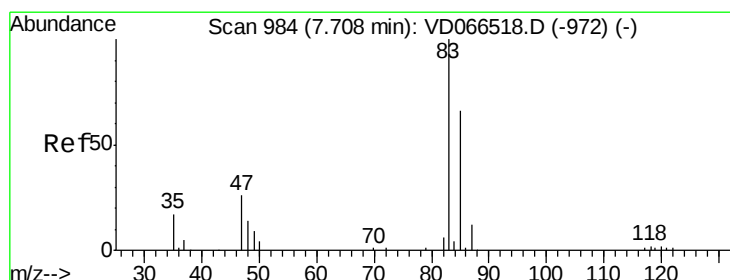
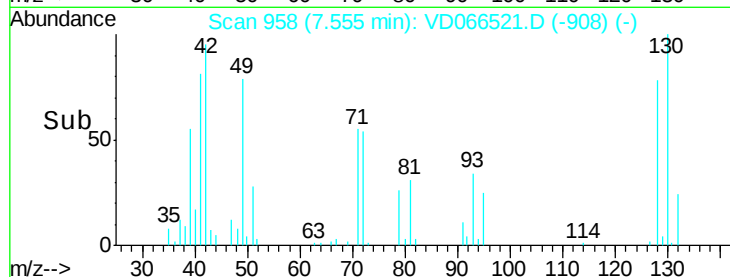
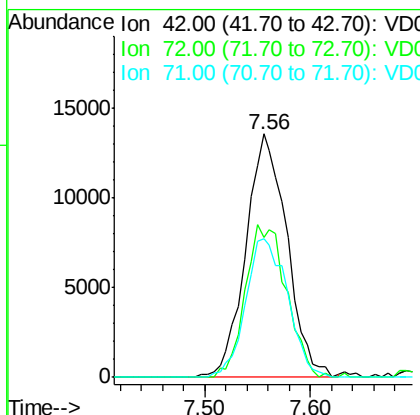
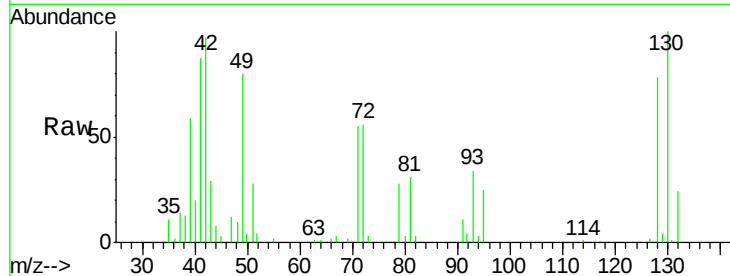
#29
Tetrahydrofuran
Concen: 238.780 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion	Ratio	Lower	Upper
42	100		
72	62.6	48.6	72.8
71	58.3	43.2	64.8

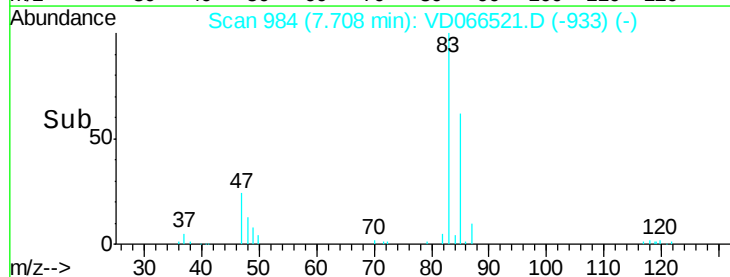
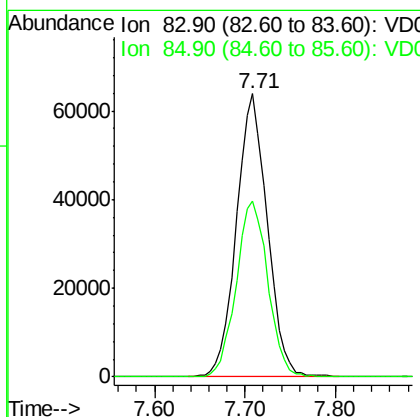
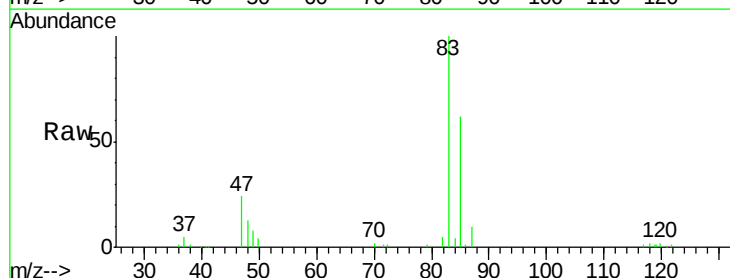
Manual Integrations
APPROVED

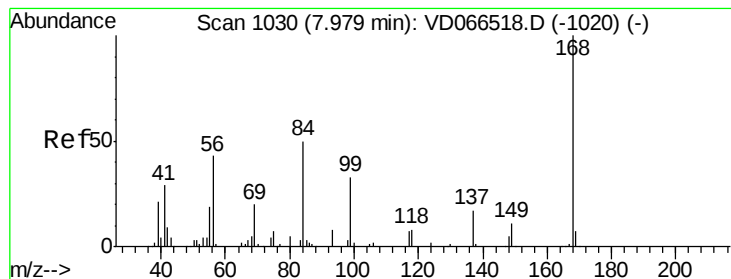
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#30
Chloroform
Concen: 49.071 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.6	79.0





#31

Cyclohexane

Concen: 50.111 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

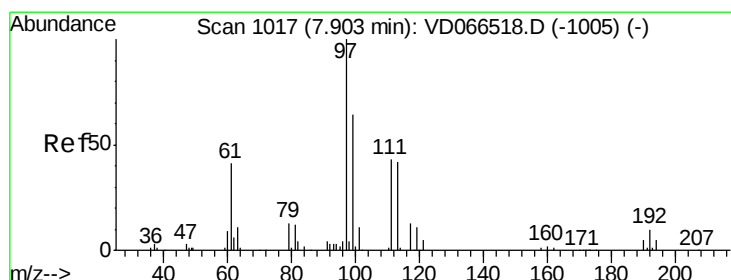
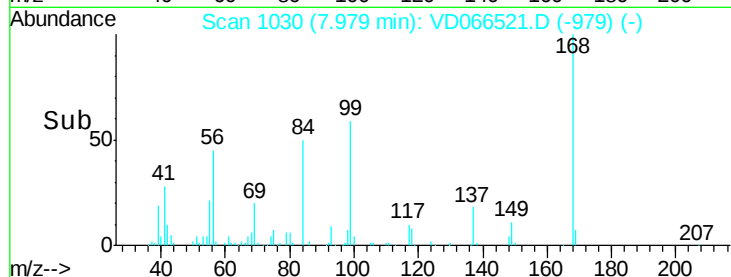
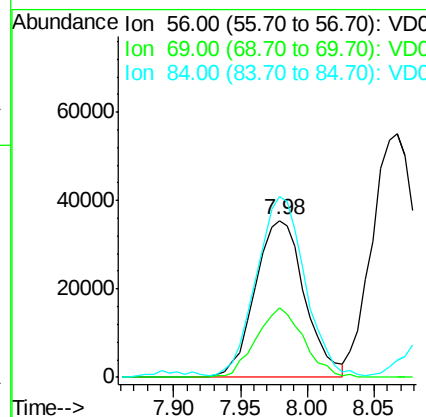
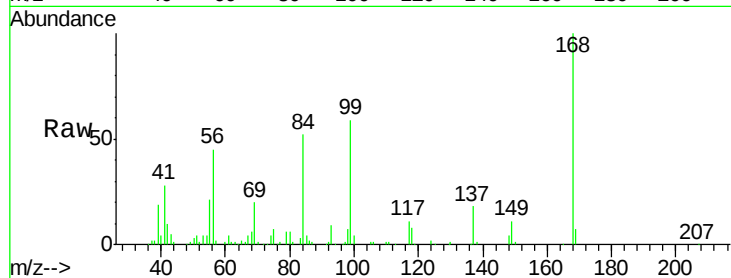
ClientSampleId :

ICVVD090220

Tot Ion:	56	Resp:	91604
Ion Ratio	Lower	Upper	
56	100		
69	44.3	36.8	55.2
84	112.4	93.4	140.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.530 ug/l

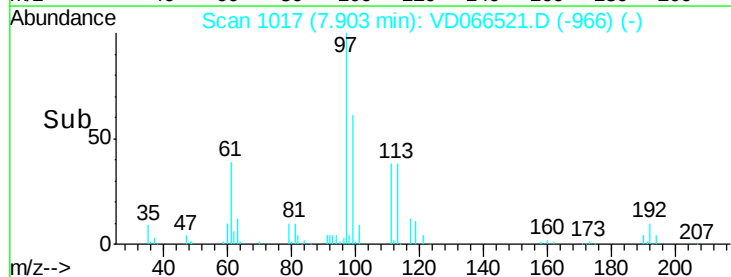
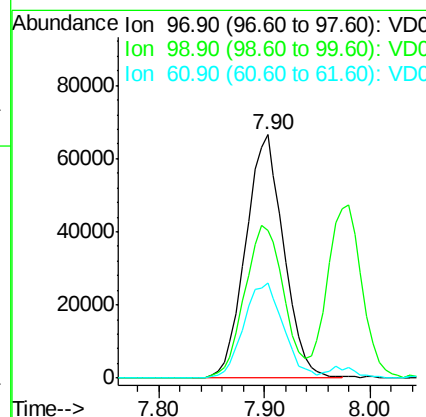
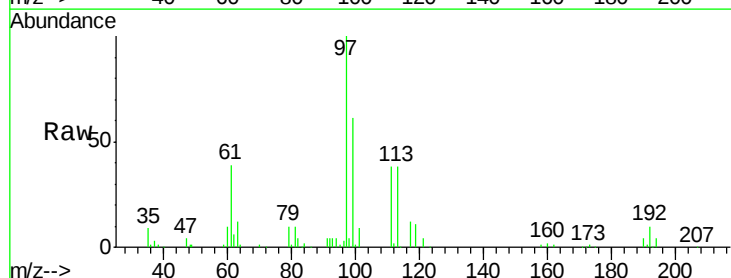
RT: 7.90 min Scan# 1017

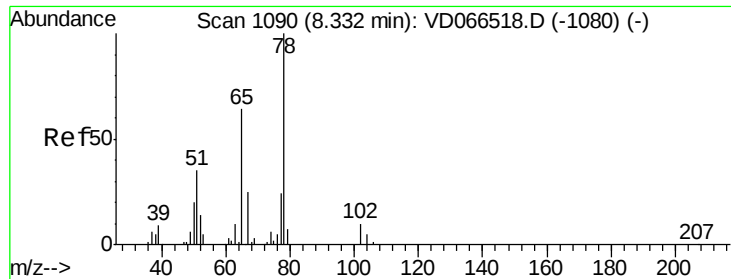
Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Tgt Ion:	97	Resp:	166397
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.7	77.5
61	40.6	32.6	48.8





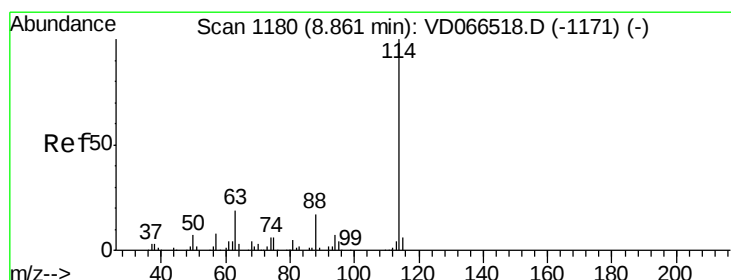
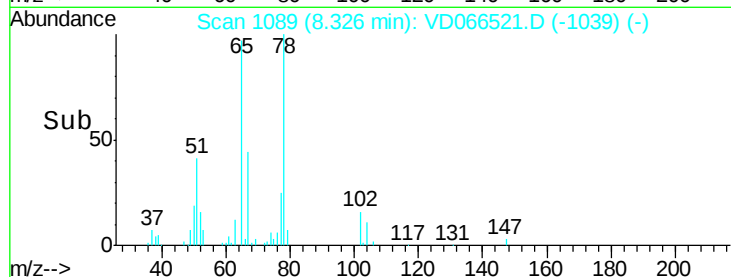
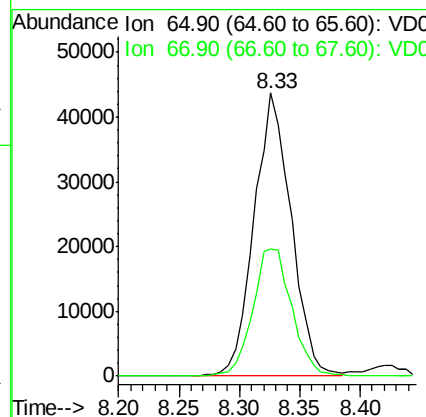
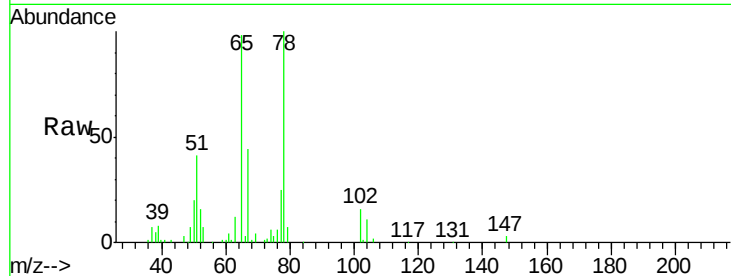
#33
 1,2-Dichloroethane-d4
 Concen: 48.016 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090220

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	47.2	0.0	88.2	

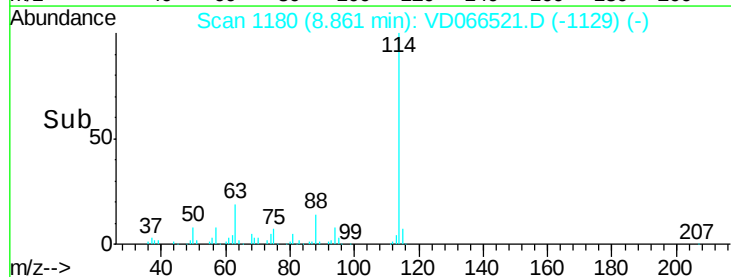
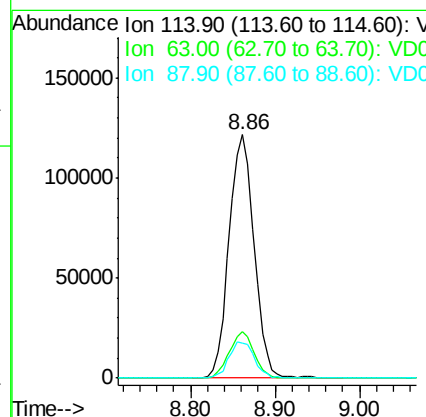
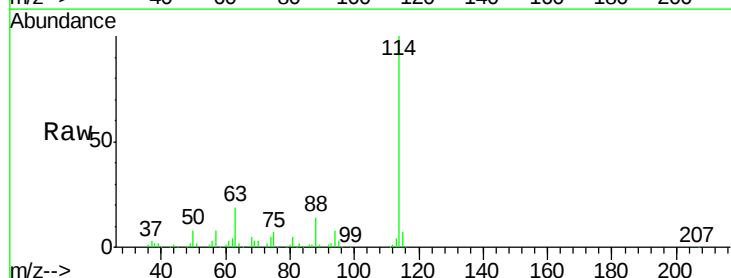
Manual Integrations
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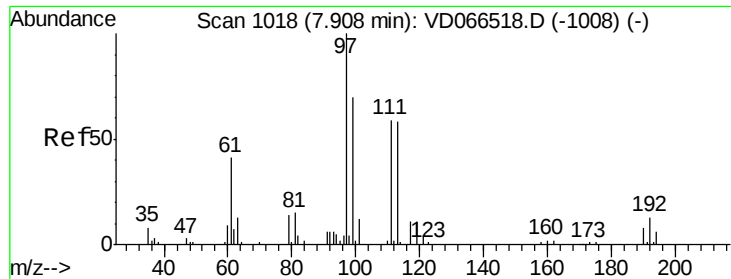
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 9/3/2020 4:57:21 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	38.6	
88	14.2	0.0	33.6	





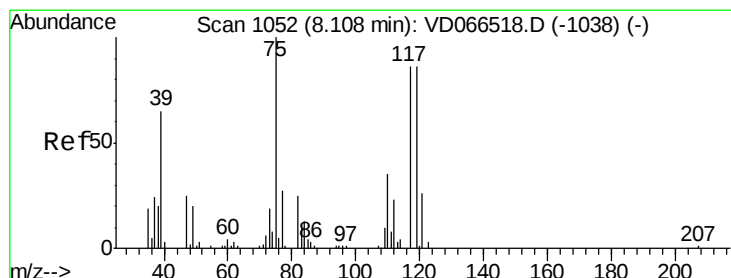
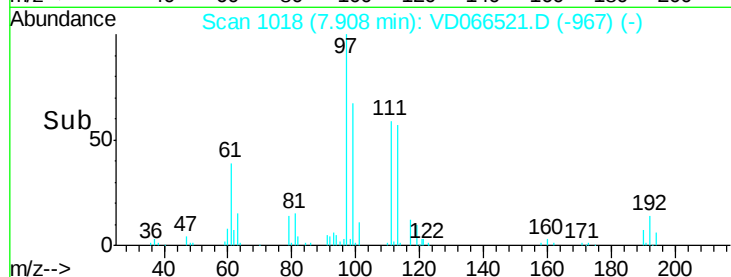
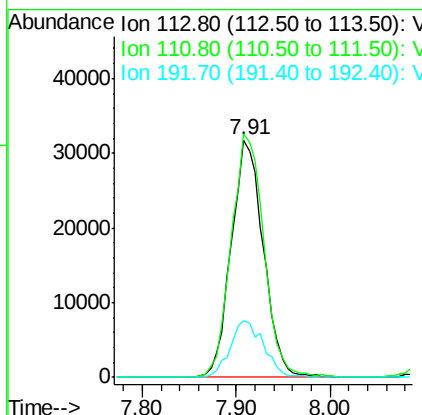
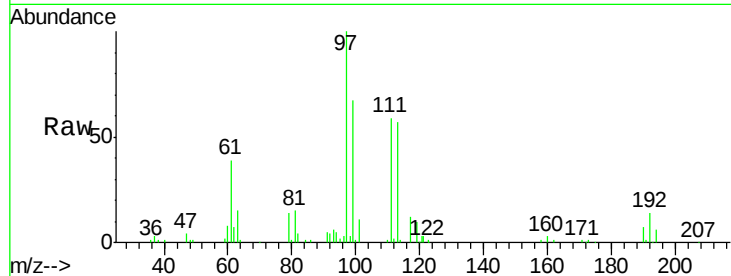
#35
 Dibromofluoromethane
 Concen: 50.402 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090220

Tot Ion	Ratio	Resp	Lower	Upper
113	100	75212		
111	104.3		82.5	123.7
192	24.7		20.7	31.1

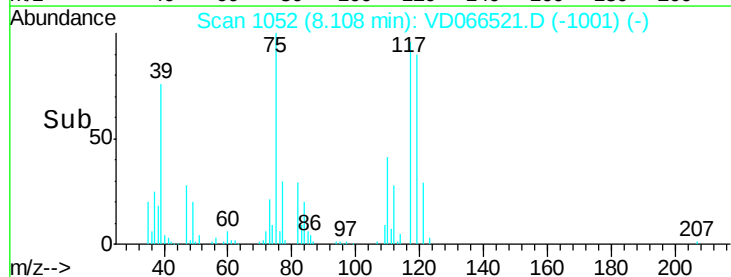
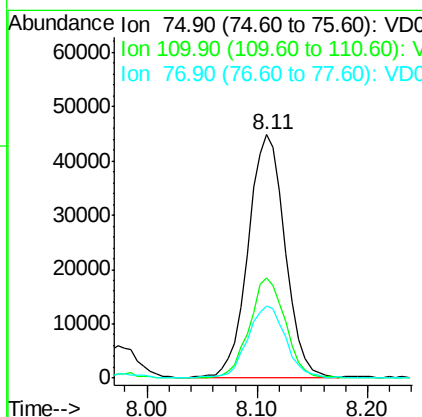
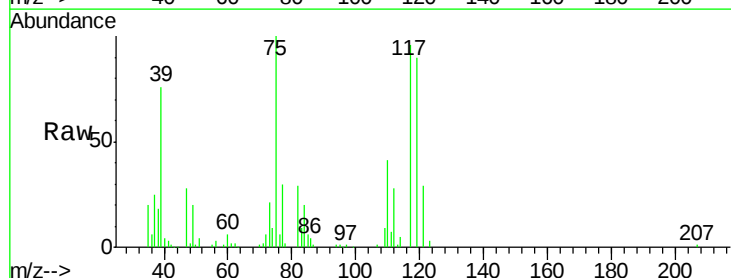
Manual Integrations
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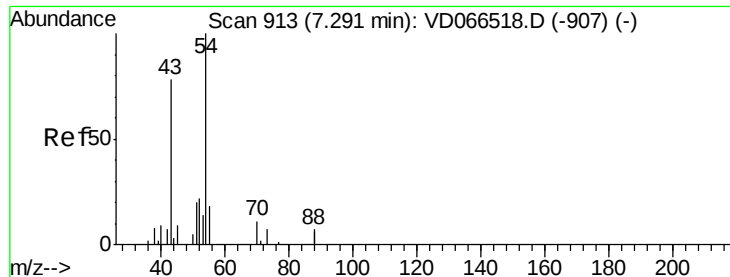
MMDadoda
 9/3/2020 4:57:21 PM



#36
 1,1-Dichloropropene
 Concen: 48.469 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105414		
110	39.9		18.4	55.2
77	30.6		24.6	36.8





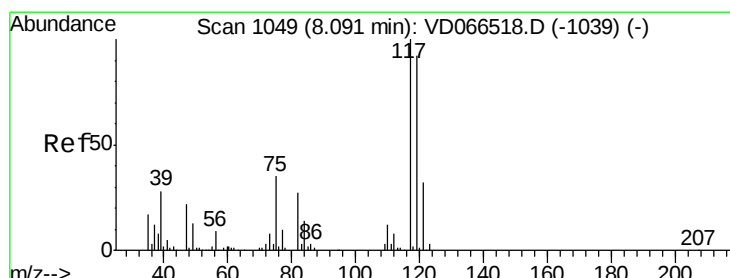
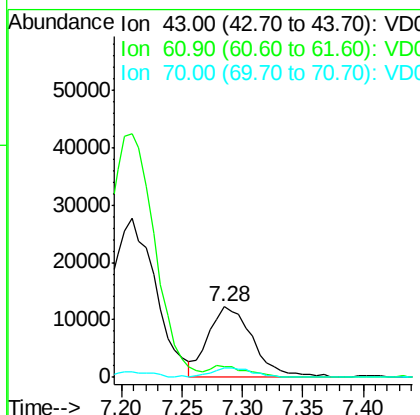
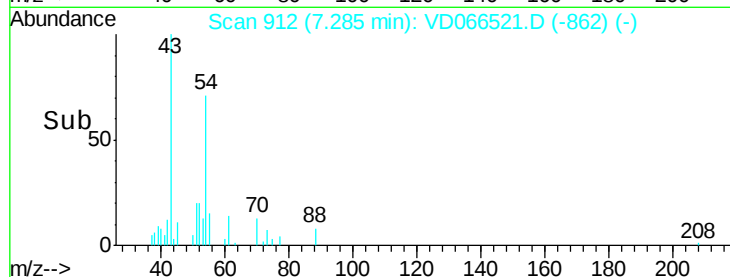
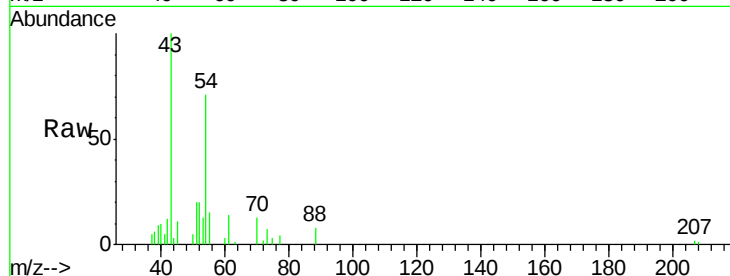
#37
Ethyl Acetate
Concen: 48.460 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.7	16.1
70	12.5	10.2	15.2

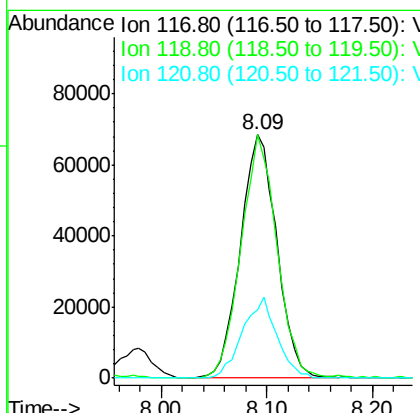
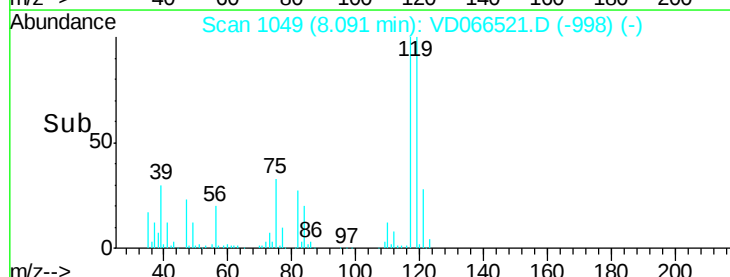
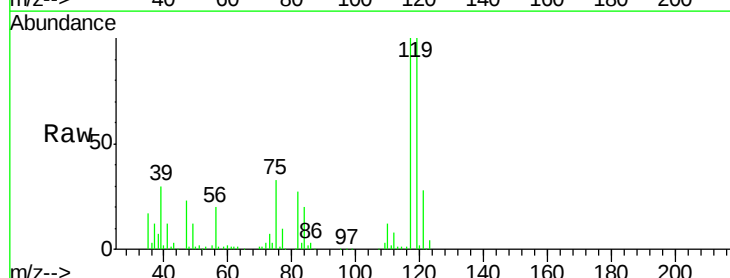
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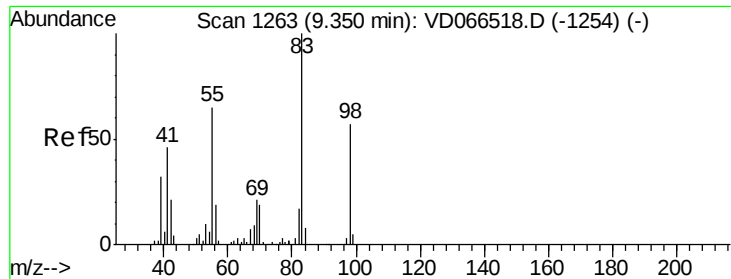
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#38
Carbon Tetrachloride
Concen: 49.678 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.9	73.9	110.9
121	27.8	25.6	38.4





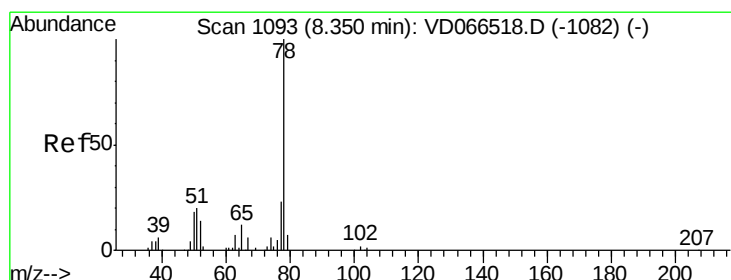
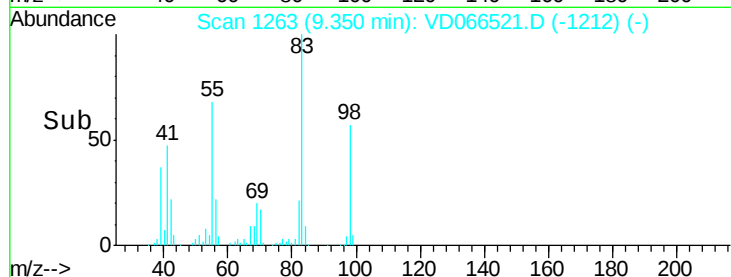
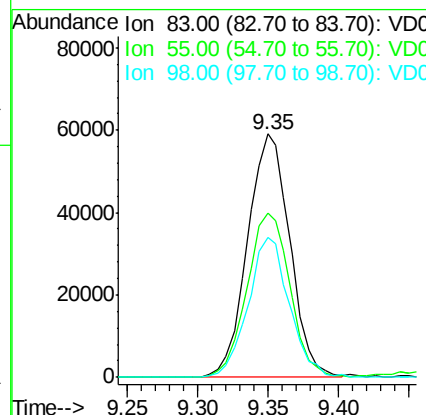
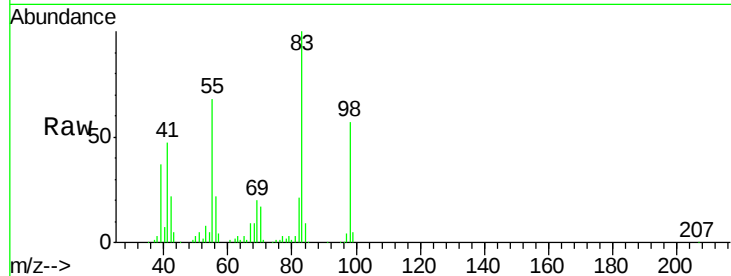
#39
Methvlcvclohexane
Concen: 48.791 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.7	52.2	78.2
98	57.4	45.6	68.4

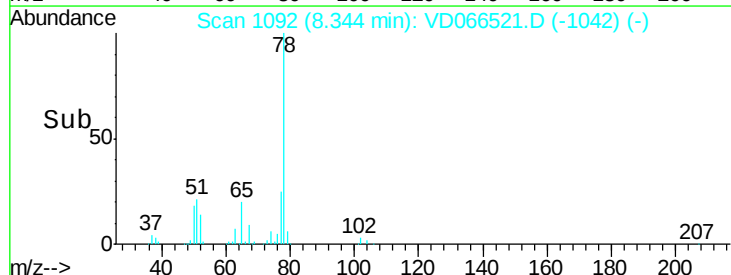
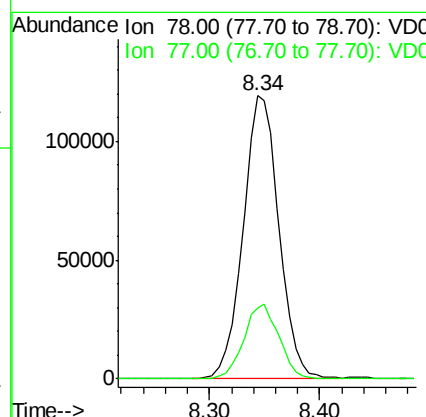
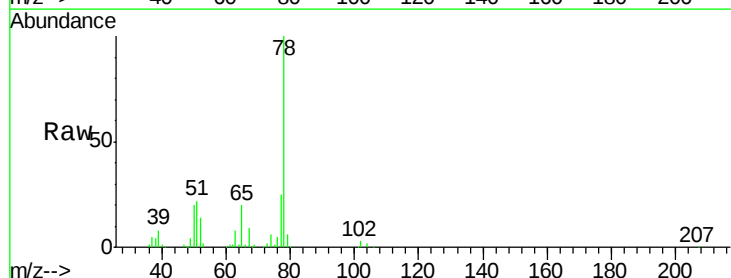
Manual Integrations
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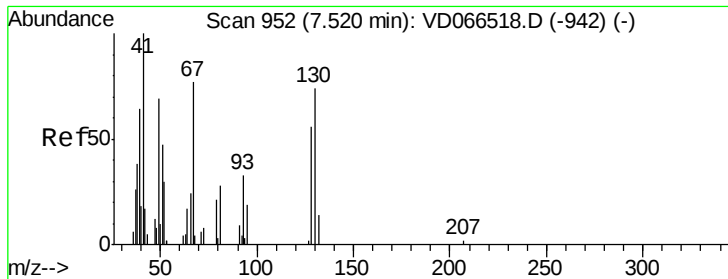
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#40
Benzene
Concen: 48.251 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.1	27.1





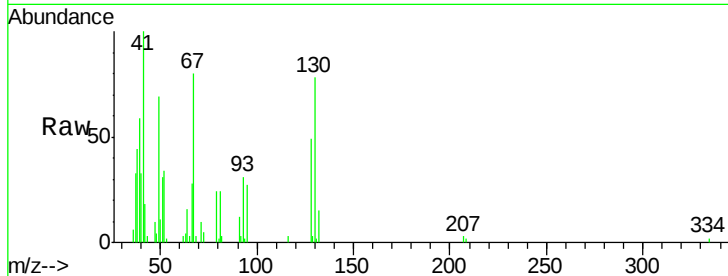
#41
Methacrylonitrile
Concen: 45.886 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

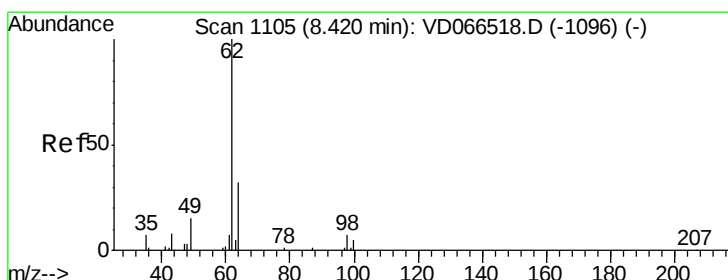
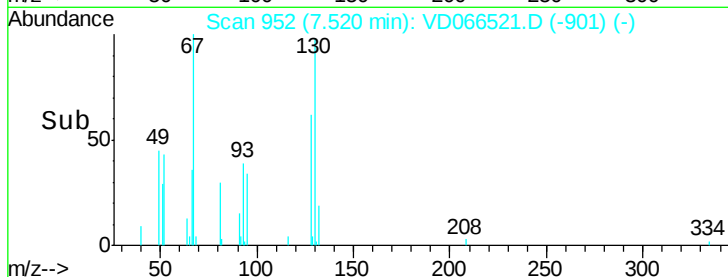
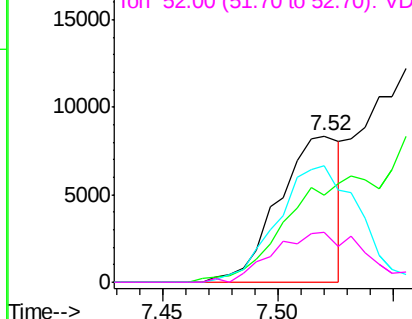
Tot Ion	41	Resp	15586
Ion	Ratio	Lower	Upper
41	100		
39	104.1	0.0	0.0#
67	106.1	85.0	127.4
52	49.9	38.8	58.2

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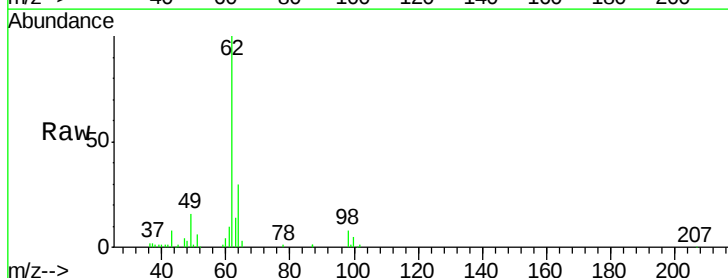


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

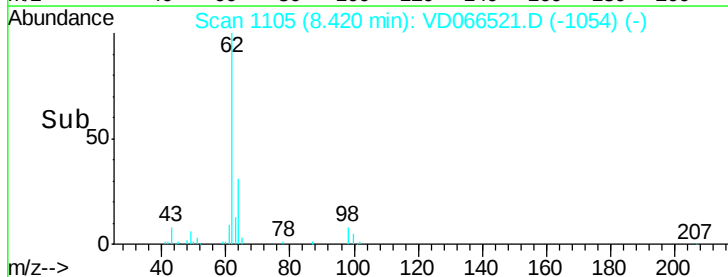
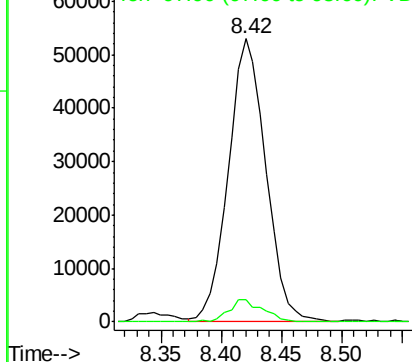


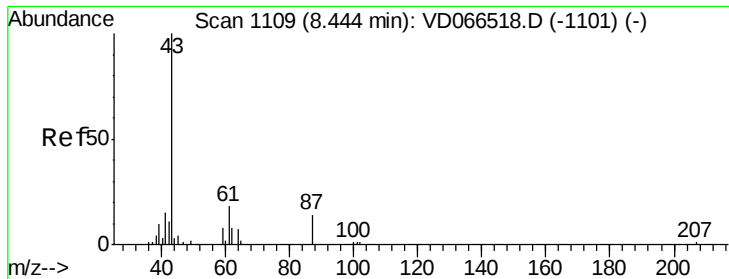
#42
1,2-Dichloroethane
Concen: 48.199 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	62	Resp	114399
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	15.2



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.532 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

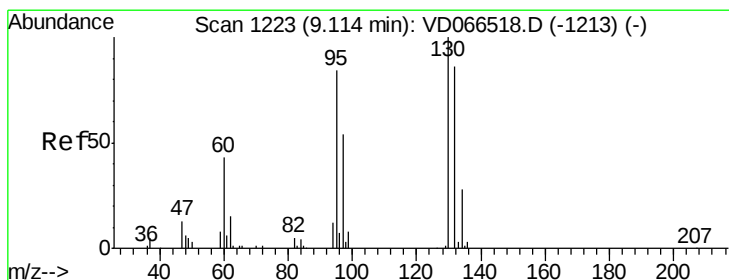
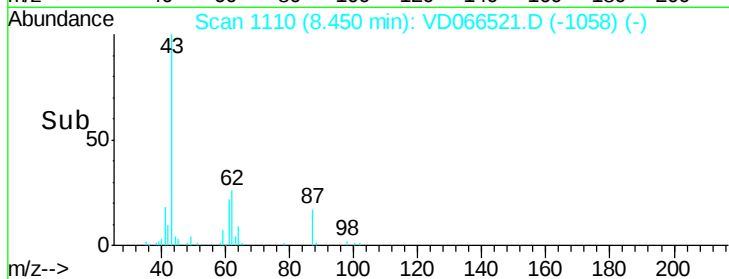
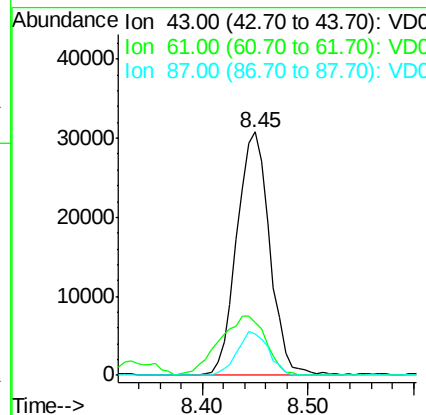
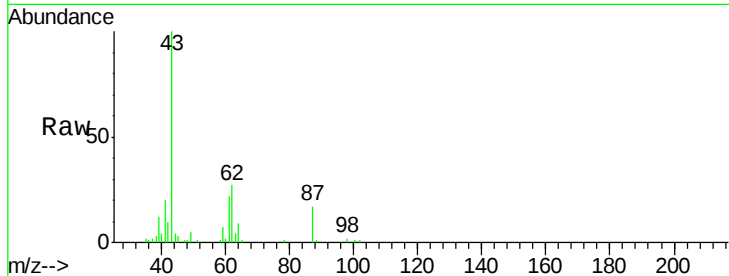
ClientSampleId :

ICVVD090220

Tot Ion:	43	Resp:	66371
Ion	Ratio	Lower	Upper
43	100		
61	34.6	26.9	40.3
87	16.9	12.9	19.3

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#44

Trichloroethene

Concen: 48.621 ug/l

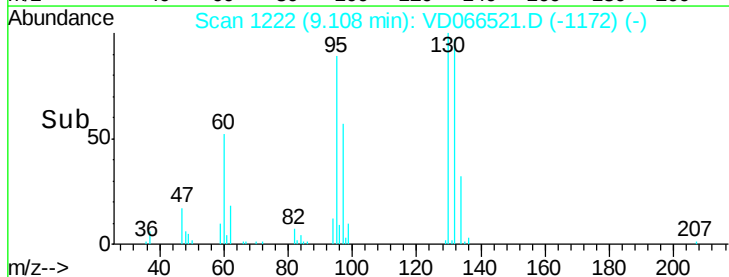
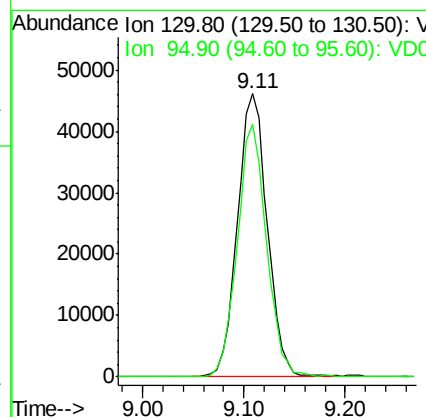
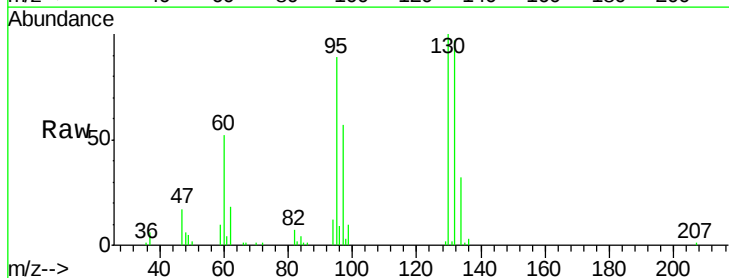
RT: 9.11 min Scan# 1222

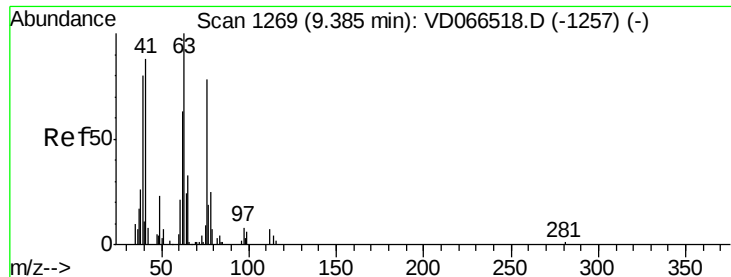
Delta R.T. -0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Tgt Ion:	130	Resp:	94152
Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	167.2





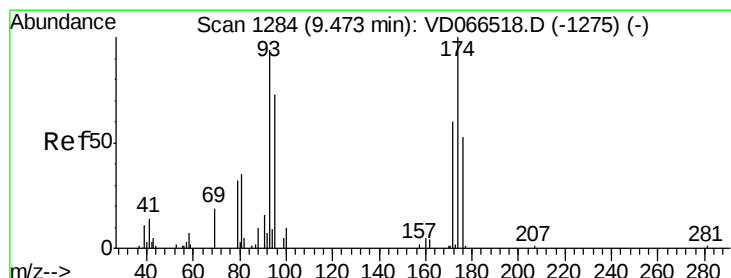
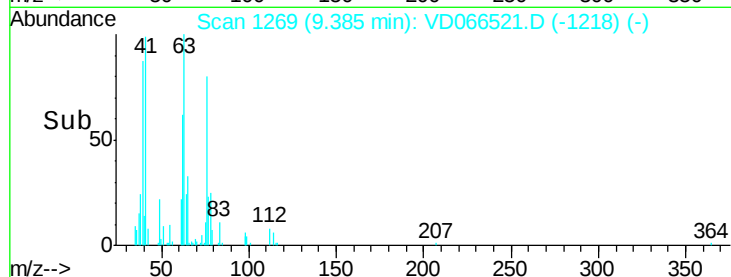
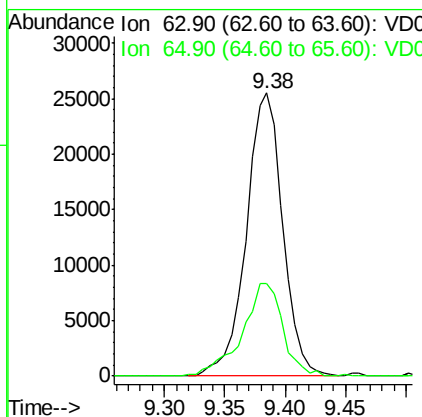
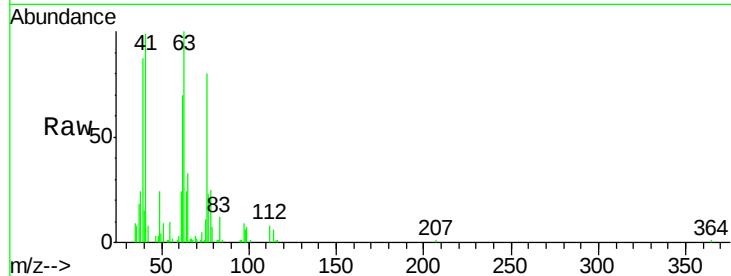
#45
 1,2-Dichloropropane
 Concen: 48.346 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090220

Tot Ion	63	Resp	53817
Ion	Ratio	Lower	Upper
63	100		
65	32.9	26.2	39.4

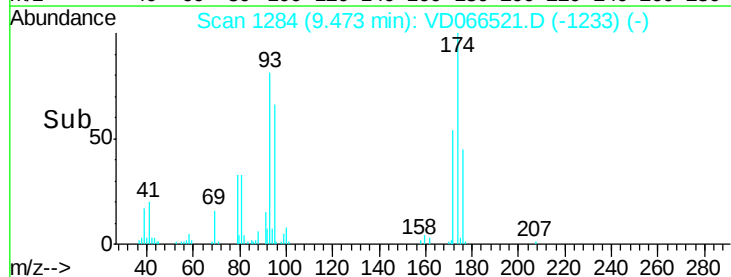
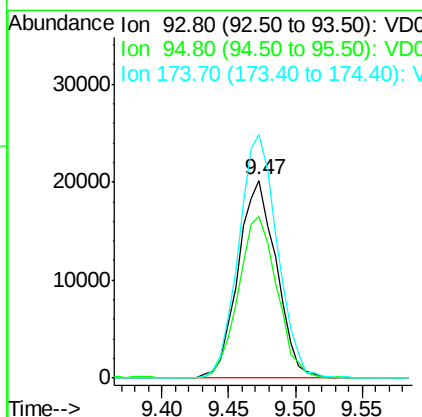
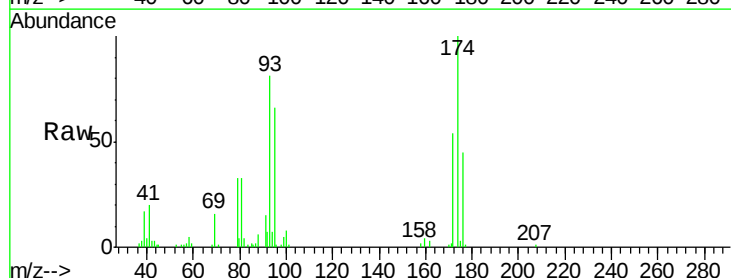
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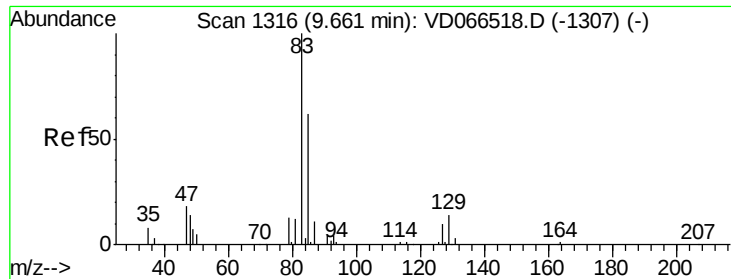
MMDadoda
 9/3/2020 4:57:21 PM



#46
 Dibromomethane
 Concen: 49.122 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Tgt Ion	93	Resp	40033
Ion	Ratio	Lower	Upper
93	100		
95	82.3	63.9	95.9
174	124.1	94.4	141.6





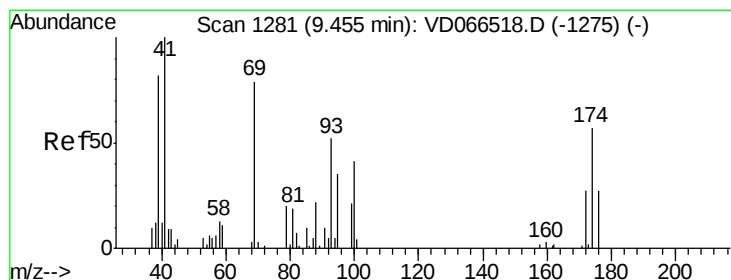
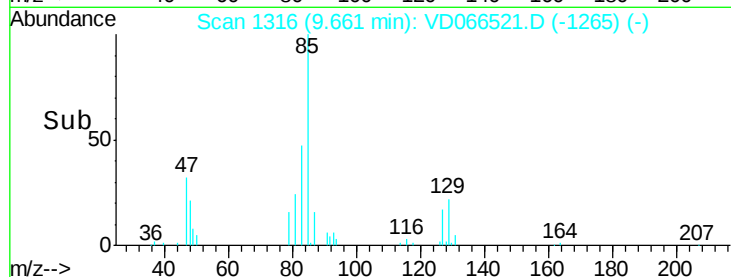
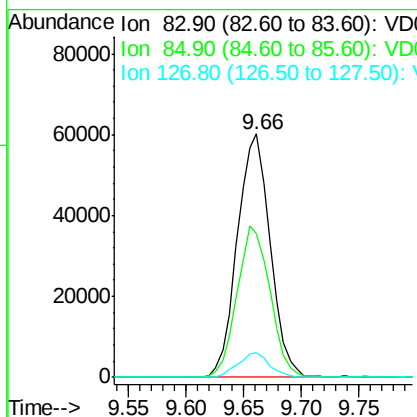
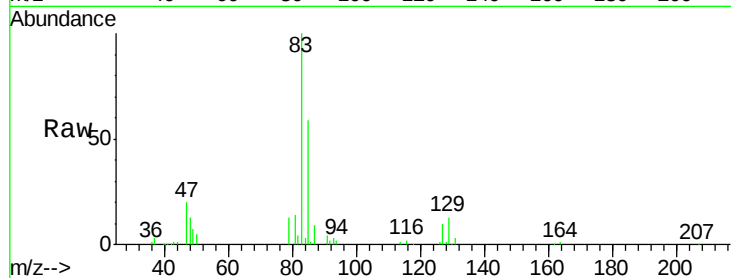
#47
Bromodichloromethane
Concen: 49.257 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion	83	Resp	119309
Ion Ratio	100	Lower	Upper
83	100		
85	59.1	49.6	74.4
127	10.0	7.8	11.6

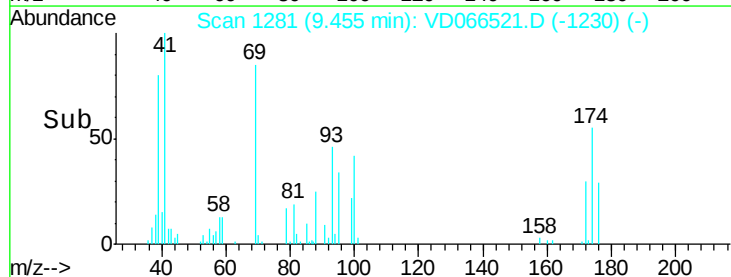
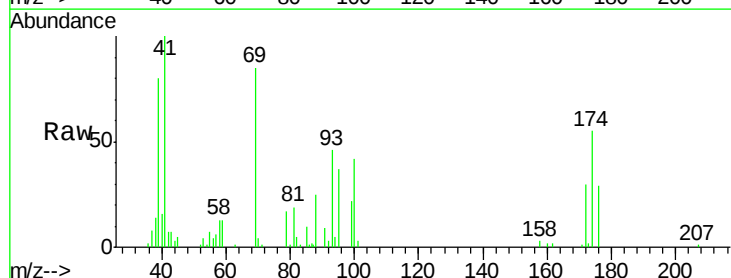
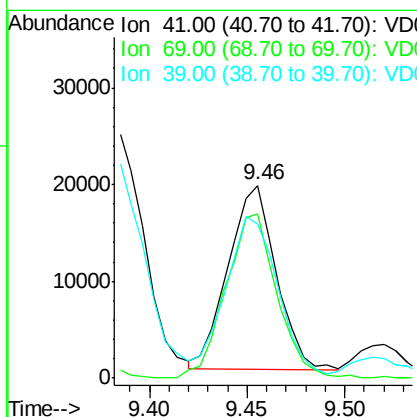
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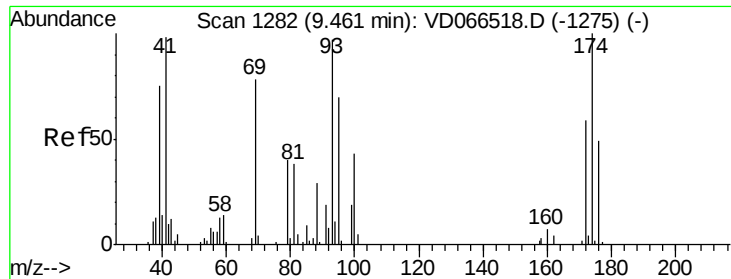
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#48
Methyl methacrylate
Concen: 46.410 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	41	Resp	32345
Ion Ratio	100	Lower	Upper
41	100		
69	95.3	71.1	106.7
39	92.2	75.4	113.2





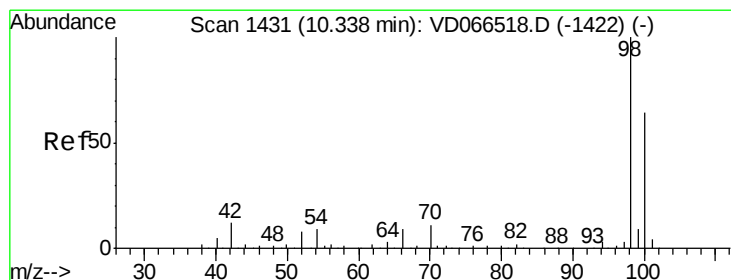
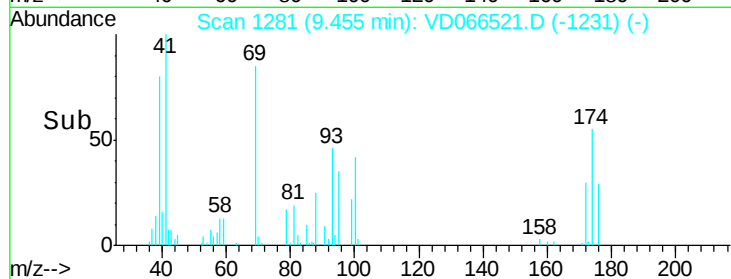
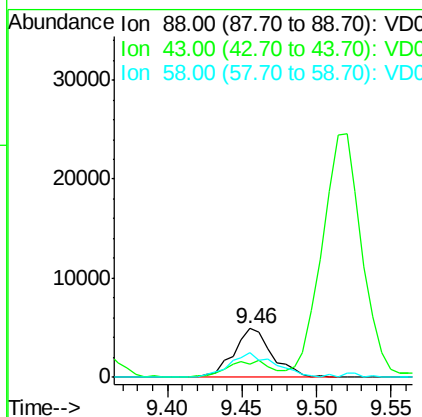
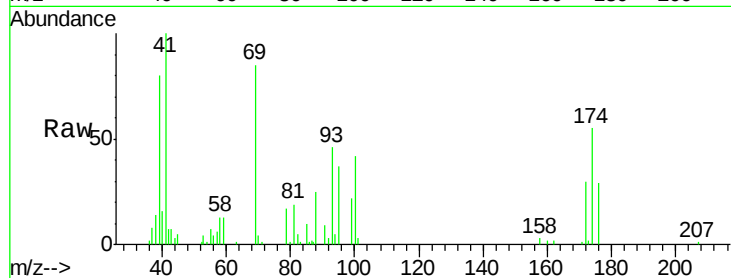
#49
1,4-Dioxane
Concen: 929.048 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.6	33.8	50.6
58	59.0	46.2	69.4

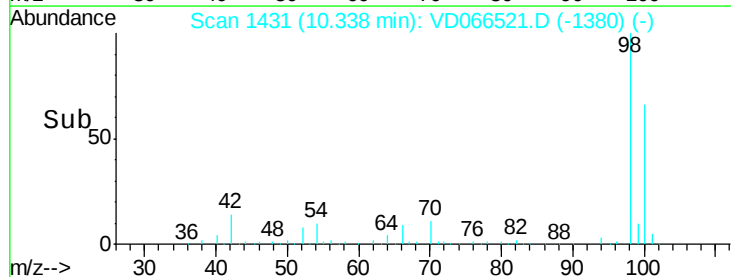
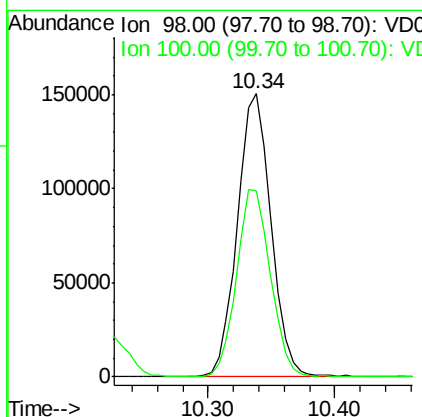
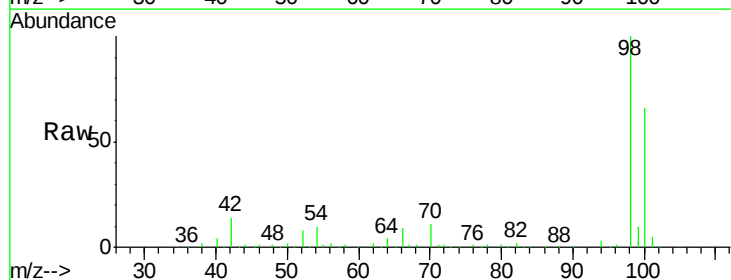
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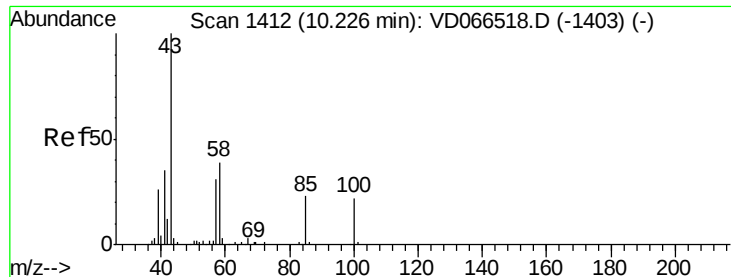
MMDadoda
9/3/2020 4:57:21 PM



#50
Toluene-d8
Concen: 49.460 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 249.002 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

Tot Ion: 43 Resp: 156584

Ion Ratio Lower Upper

43 100

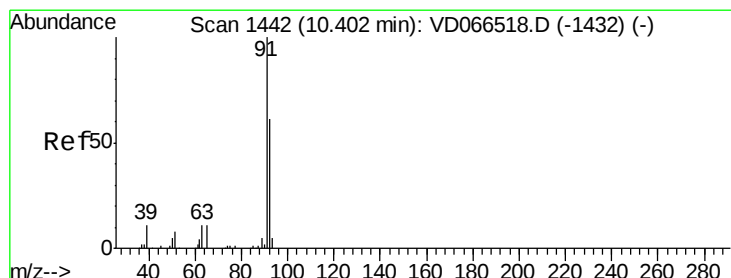
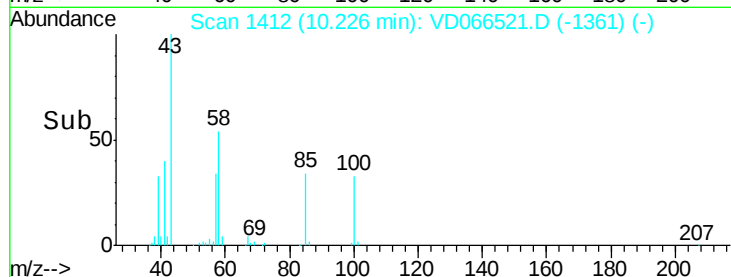
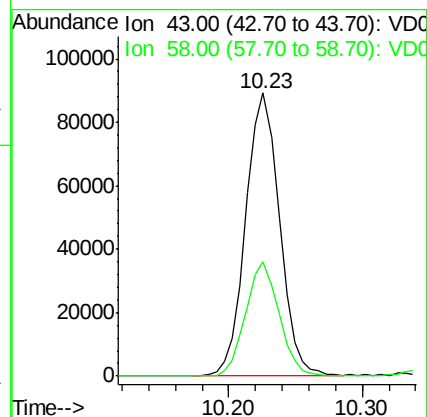
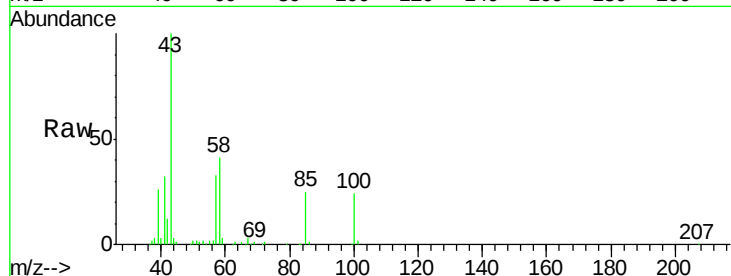
58 40.0 31.5 47.3

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#52

Toluene

Concen: 49.693 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066521.D

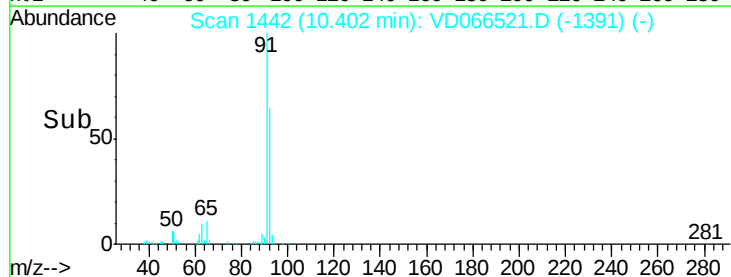
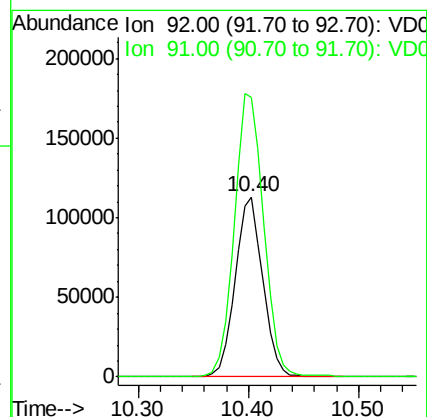
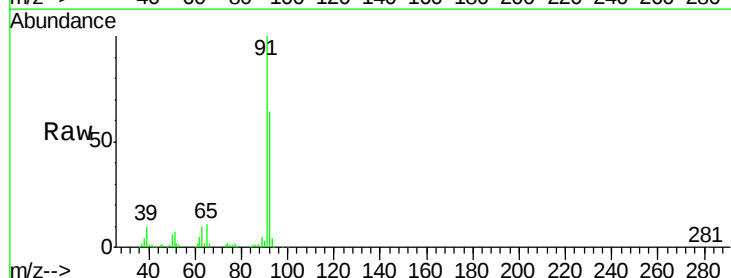
Acq: 02 Sep 2020 14:32

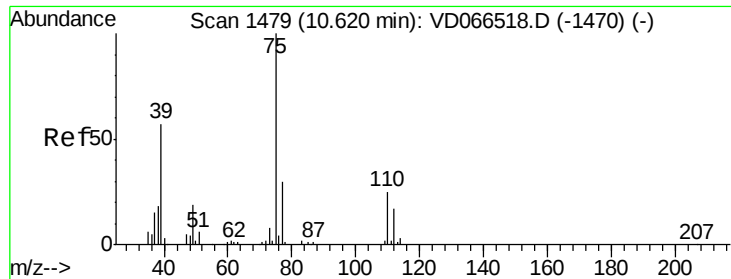
Tgt Ion: 92 Resp: 198309

Ion Ratio Lower Upper

92 100

91 167.9 135.0 202.4





#53

t-1,3-Dichloropropene

Concen: 49.375 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

Tot Ion: 75 Resp: 109265

Ion Ratio Lower Upper

75 100

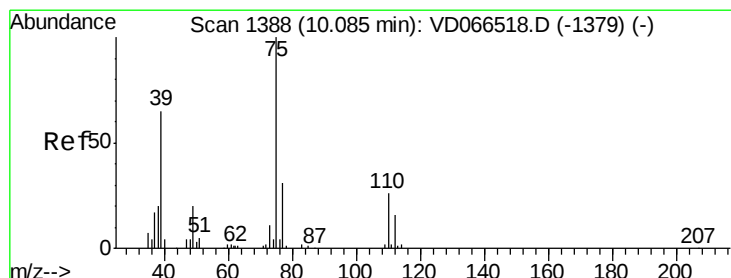
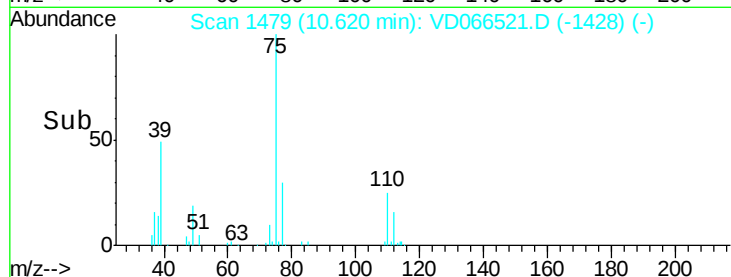
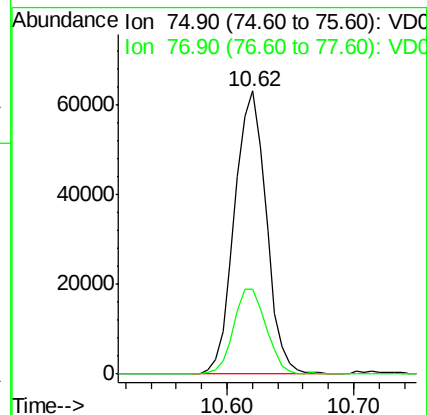
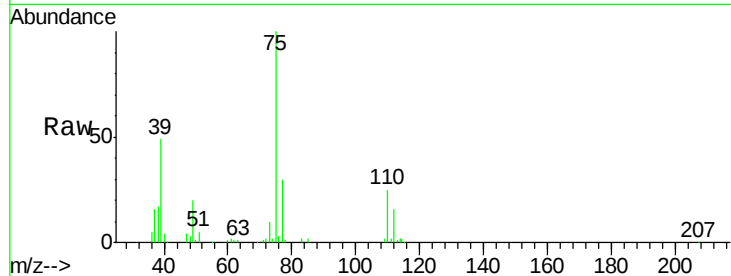
77 30.0 23.7 35.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 48.188 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

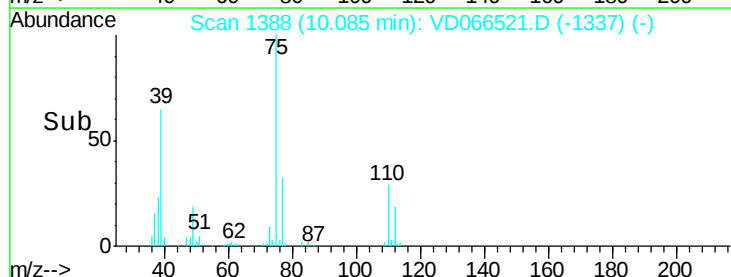
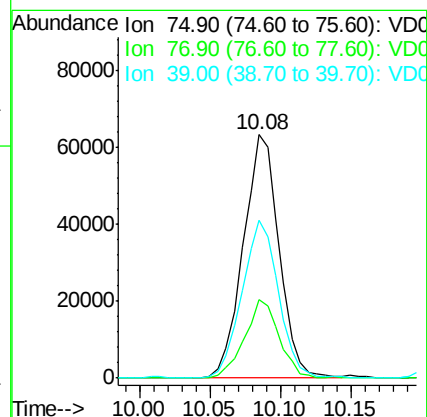
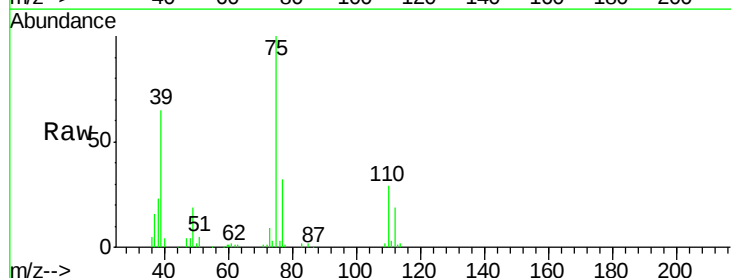
Tgt Ion: 75 Resp: 112345

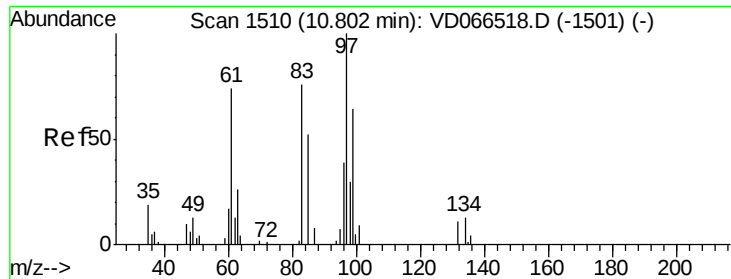
Ion Ratio Lower Upper

75 100

77 32.2 24.5 36.7

39 64.7 52.4 78.6





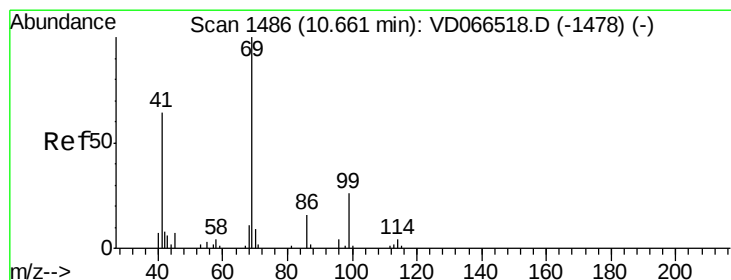
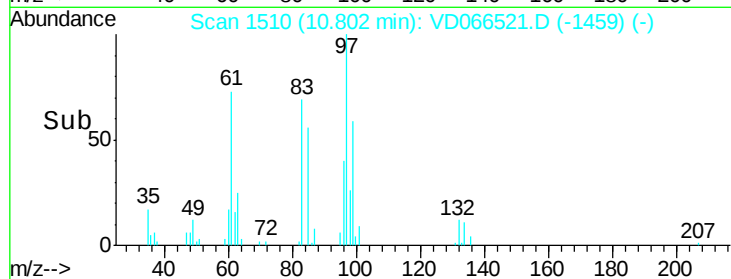
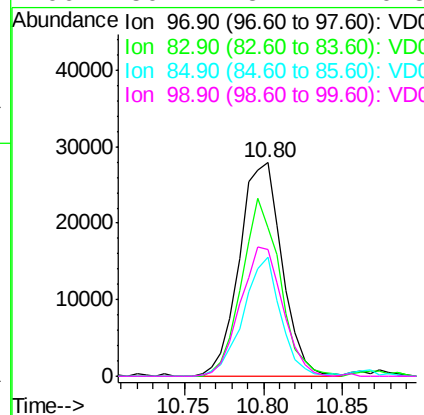
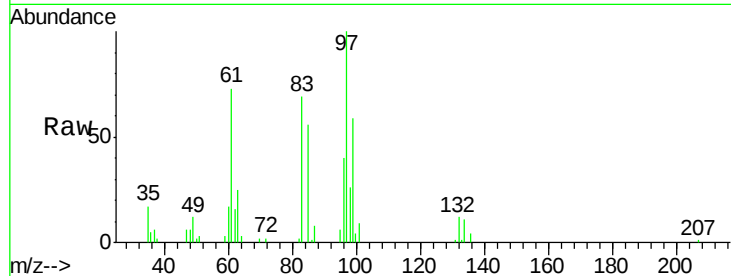
#55
 1,1,2-Trichloroethane
 Concen: 50.774 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090220

Tot Ion:	97	Resp:	52287
Ion	Ratio	Lower	Upper
97	100		
83	69.4	61.2	91.8
85	55.7	42.0	63.0
99	59.4	51.2	76.8

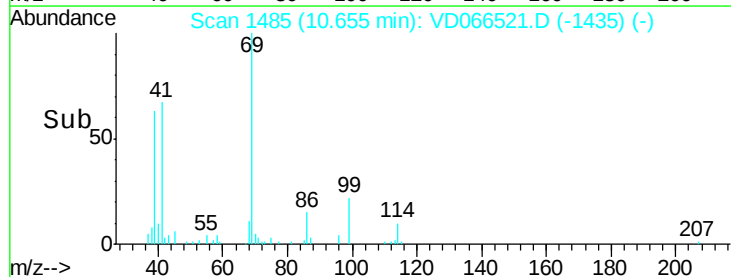
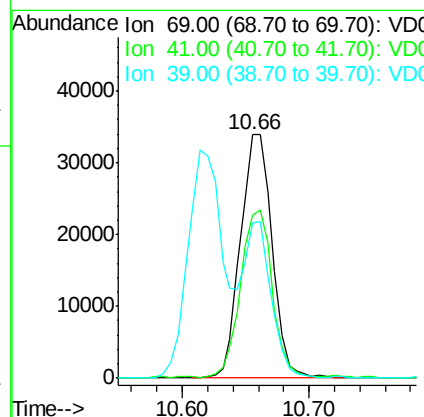
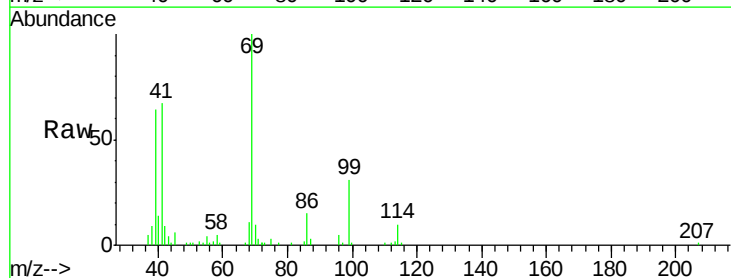
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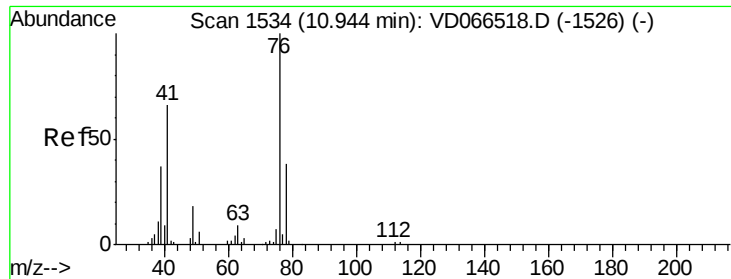
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#56
 Ethyl methacrylate
 Concen: 48.447 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Tgt Ion:	69	Resp:	58714
Ion	Ratio	Lower	Upper
69	100		
41	69.9	52.5	78.7
39	53.6	42.1	63.1





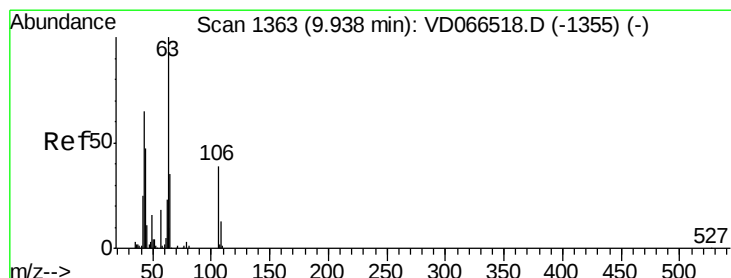
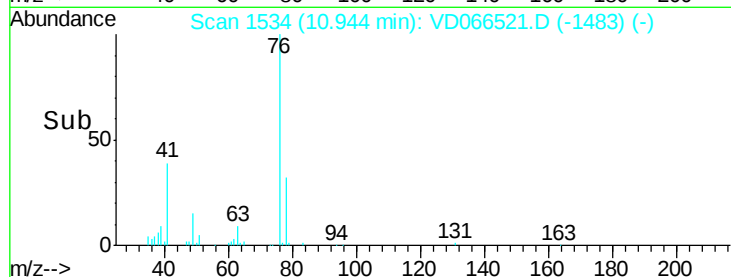
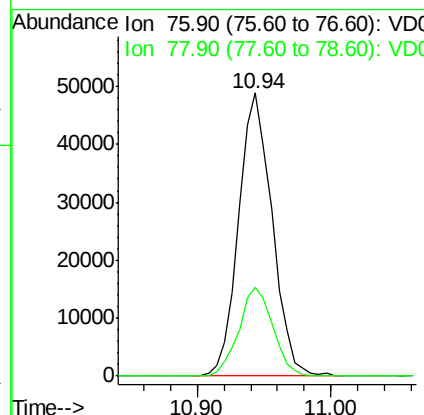
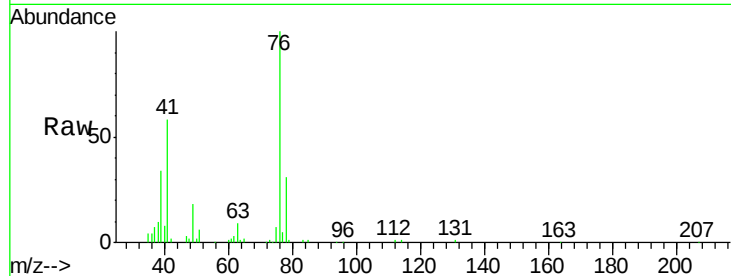
#57
 1,3-Dichloropropane
 Concen: 50.054 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090220

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	28.2	42.2

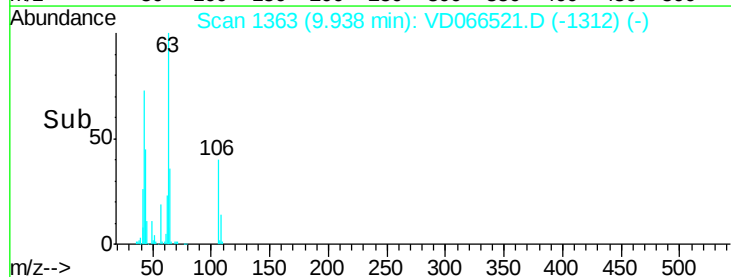
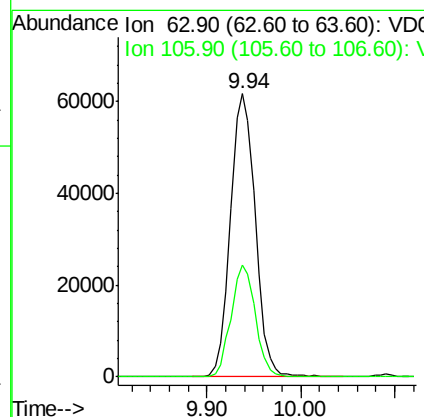
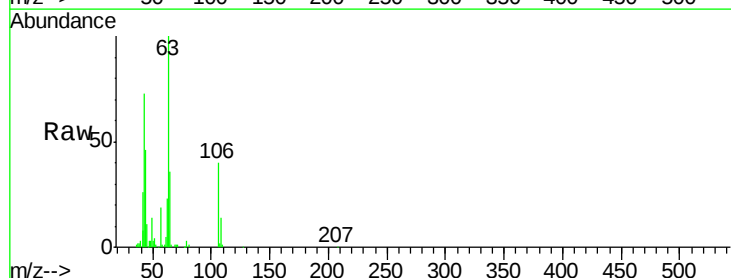
Manual Integrations
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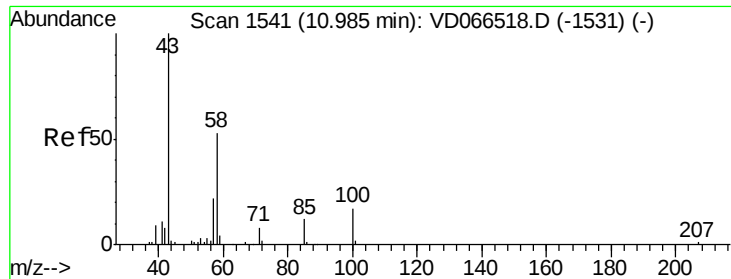
MMDadoda
 9/3/2020 4:57:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.540 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	38.6	32.1	48.1





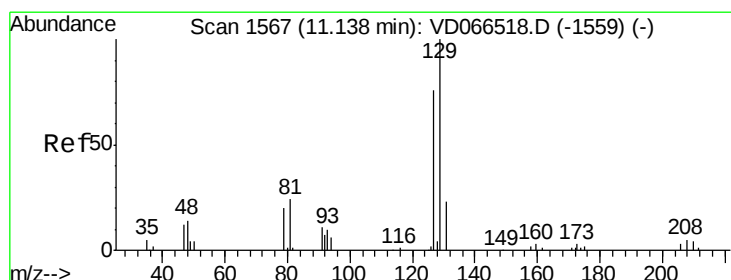
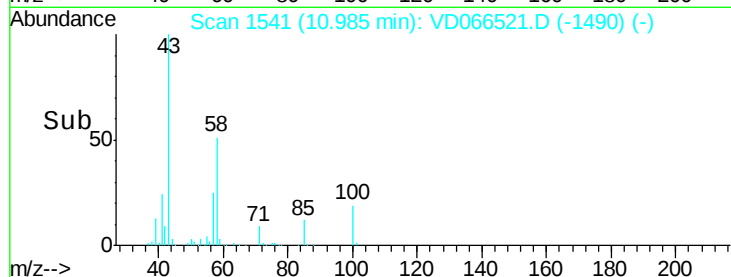
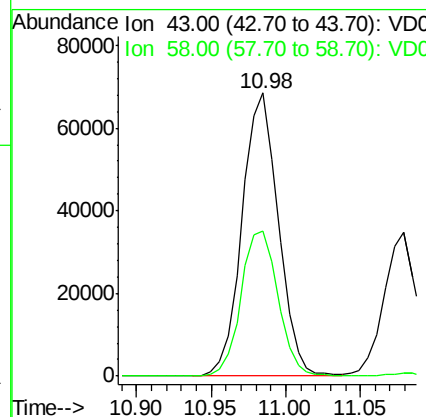
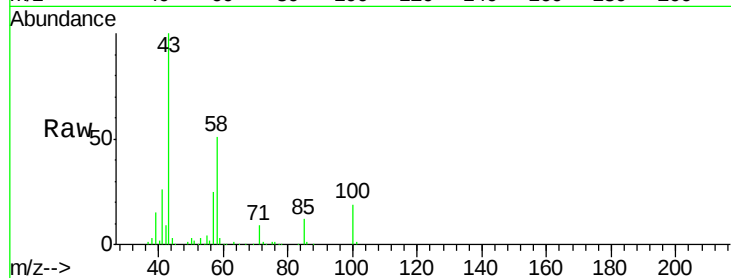
#59
2-Hexanone
Concen: 254.036 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion: 43 Resp: 115375
Ion Ratio Lower Upper
43 100
58 52.2 25.7 77.0

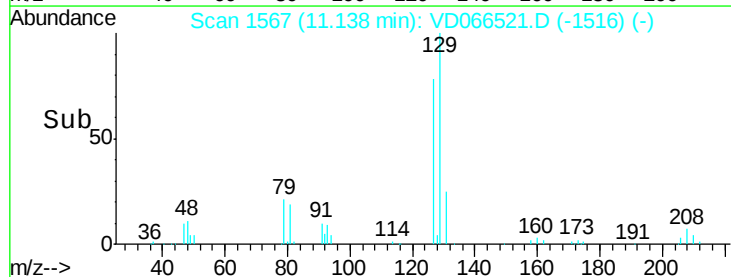
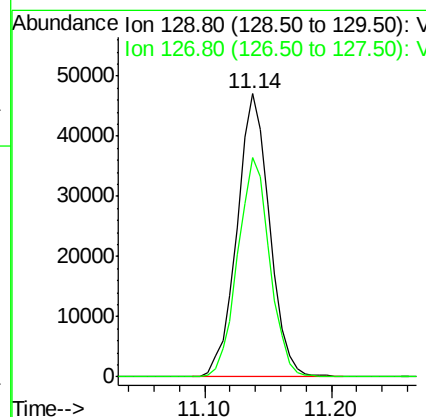
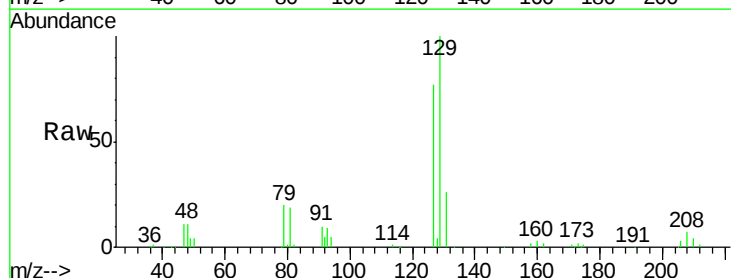
Manual Integrations
APPROVED

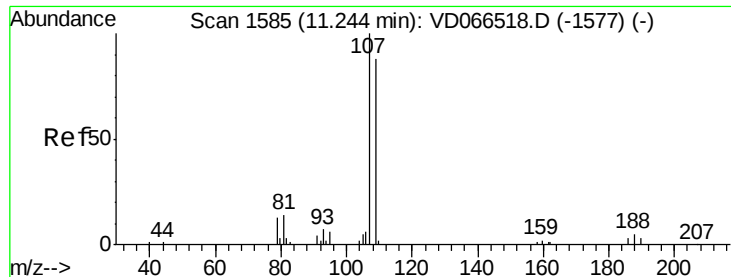
MMDadoda
9/3/2020 4:57:21 PM



#60
Dibromochloromethane
Concen: 49.048 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion: 129 Resp: 83523
Ion Ratio Lower Upper
129 100
127 75.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 47.727 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

Tot Ion:107 Resp: 50099

Ion Ratio Lower Upper

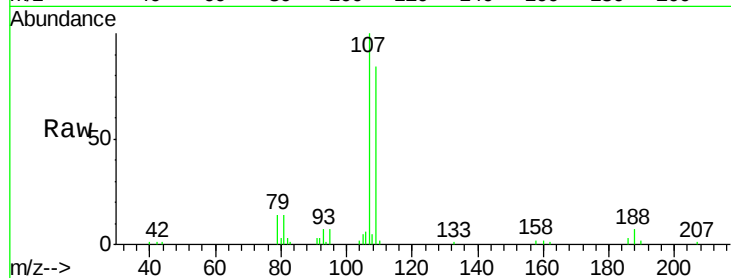
107 100

109 95.1 75.8 113.8

Manual Integrations
APPROVED

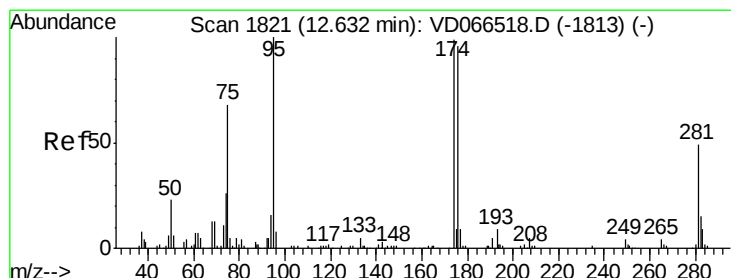
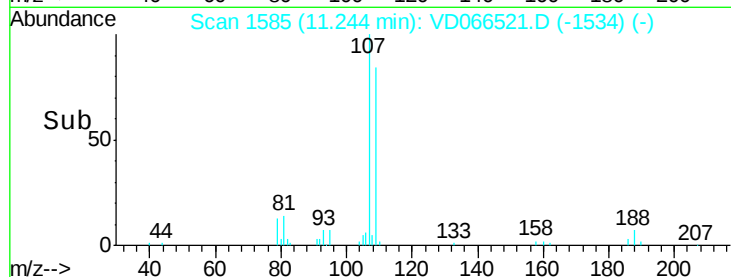
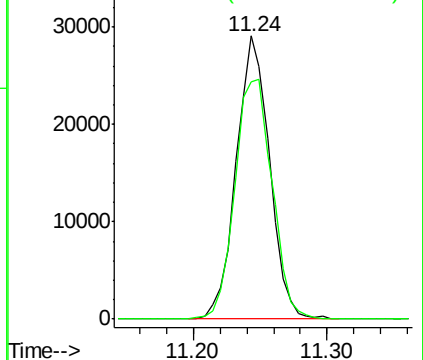
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.077 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

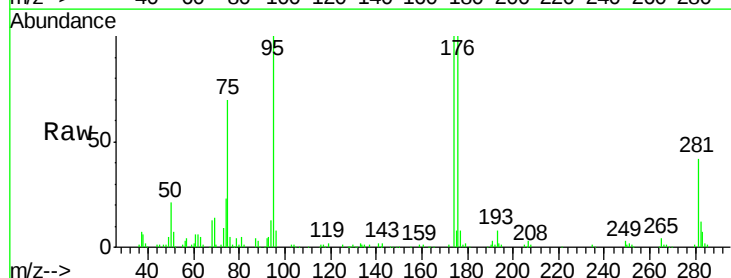
Tgt Ion: 95 Resp: 98024

Ion Ratio Lower Upper

95 100

174 99.3 0.0 203.2

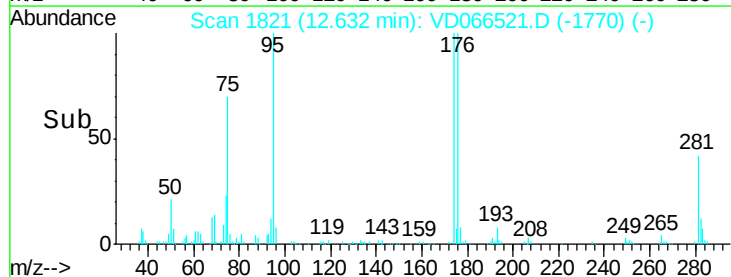
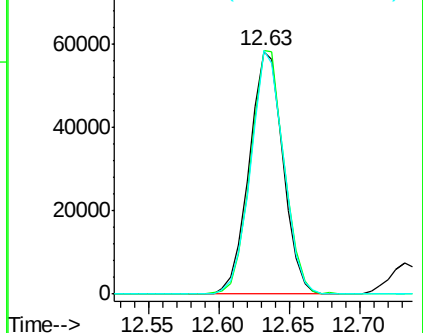
176 97.4 0.0 198.6

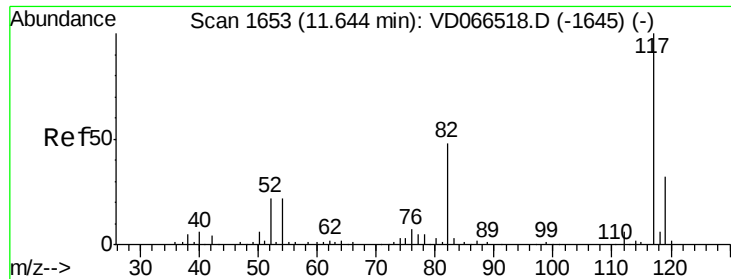


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





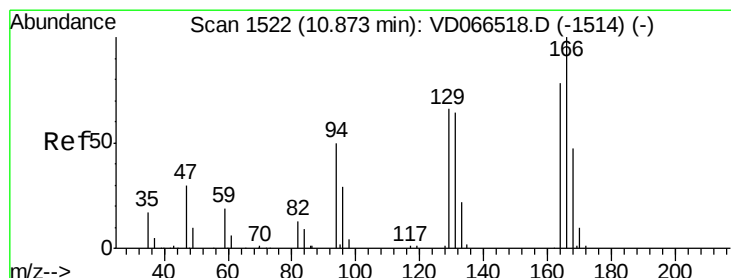
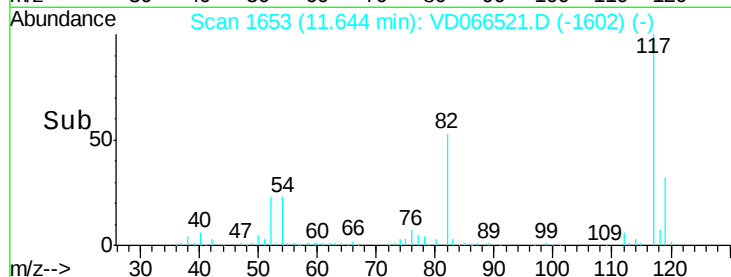
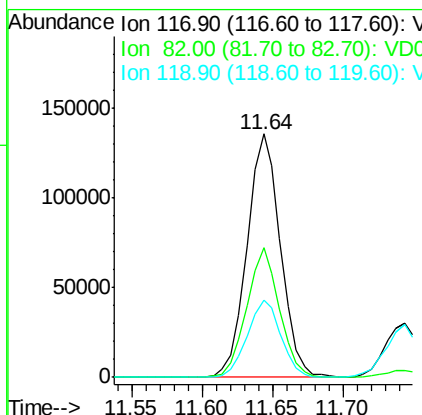
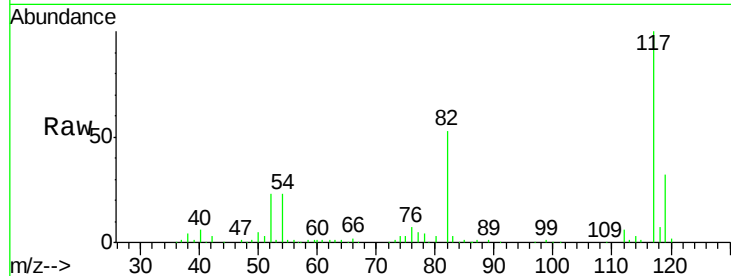
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	38.5	57.7
119	31.6	25.9	38.9

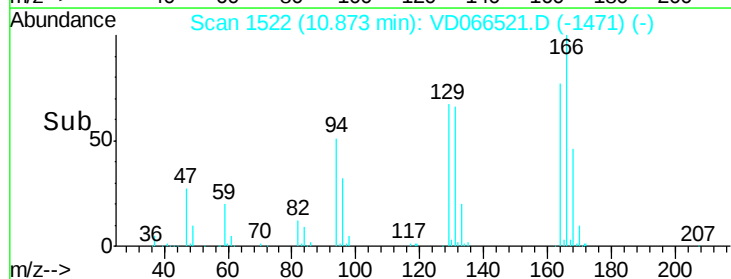
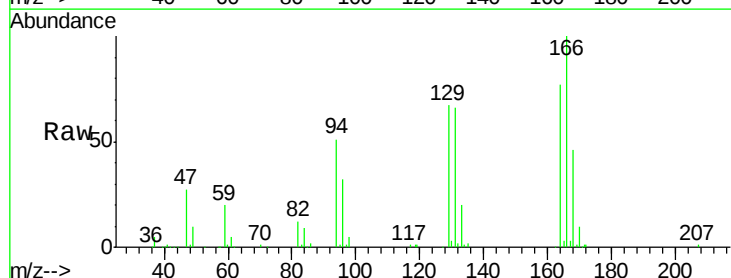
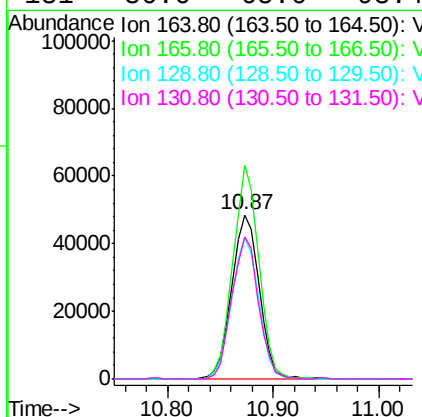
Manual Integrations
APPROVED

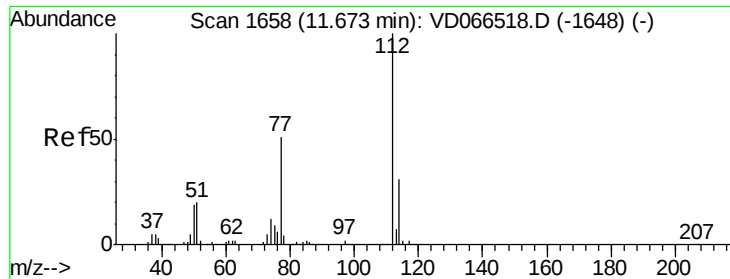
MMDadoda
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#64
Tetrachloroethene
Concen: 49.839 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	103.0	154.6
129	86.7	68.3	102.5
131	86.6	65.6	98.4





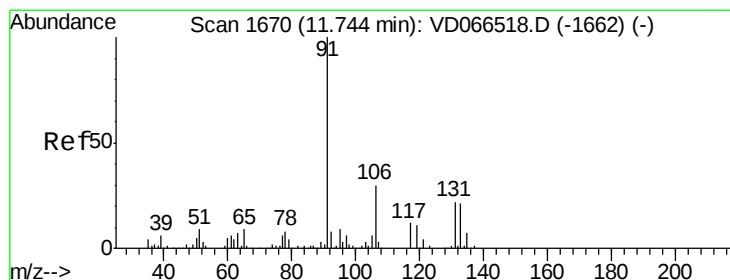
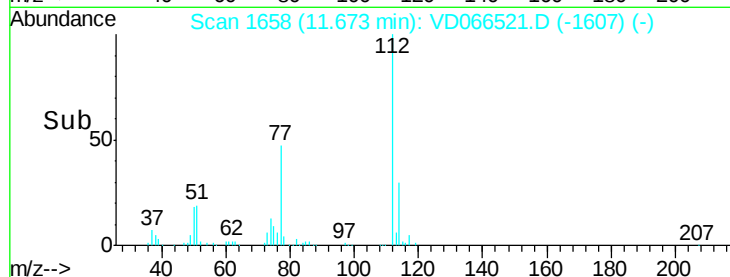
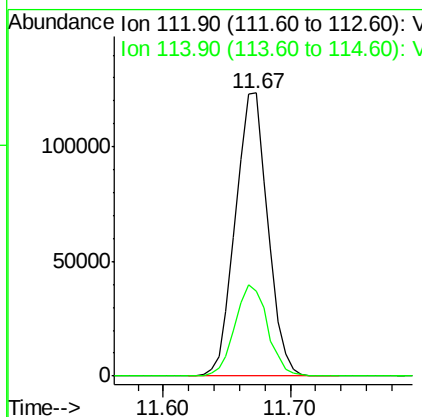
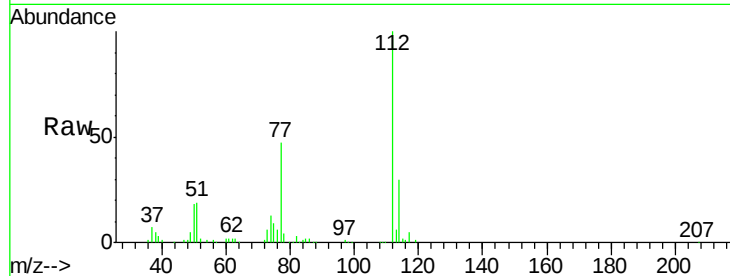
#65
Chlorobenzene
Concen: 49.488 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion	Ratio	Resp	Lower	Upper
112	100	219021		
114	30.0	24.8	37.2	

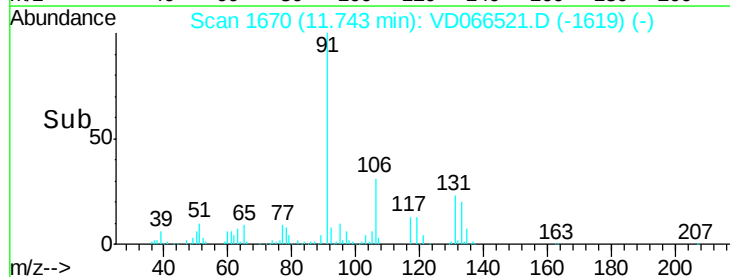
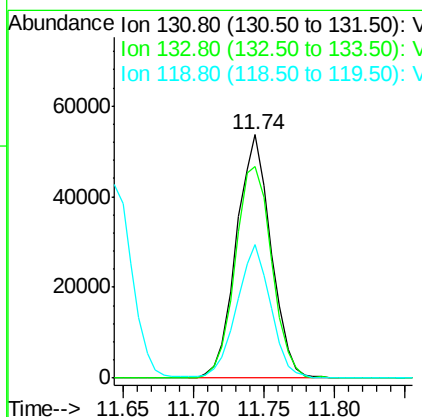
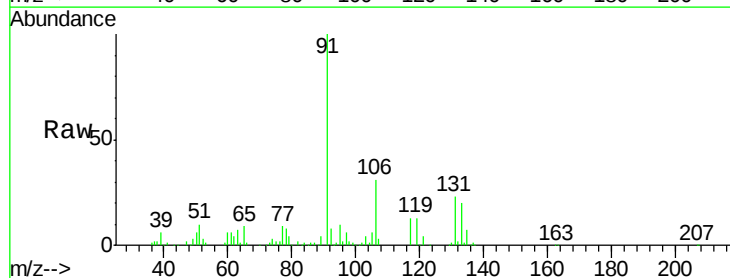
Manual Integrations
APPROVED

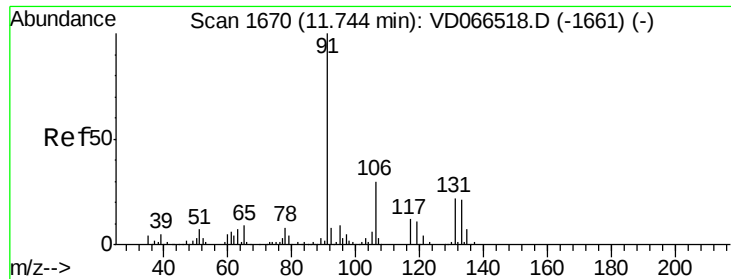
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.072 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	91888		
133	92.1	47.5	142.5	
119	54.1	27.2	81.6	





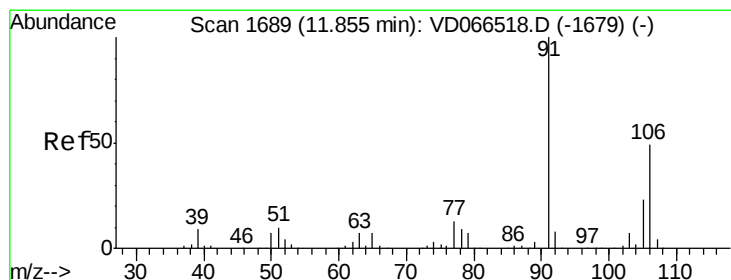
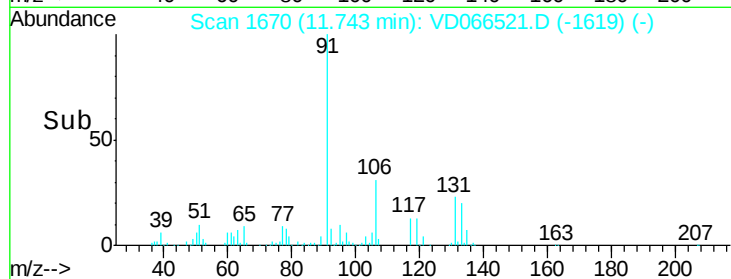
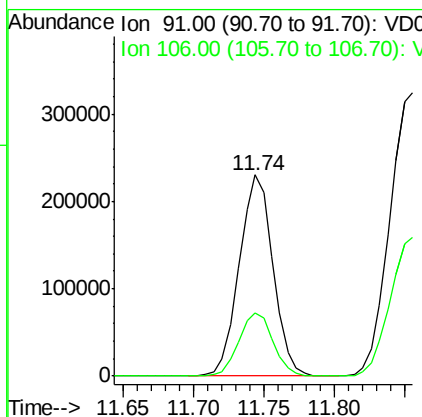
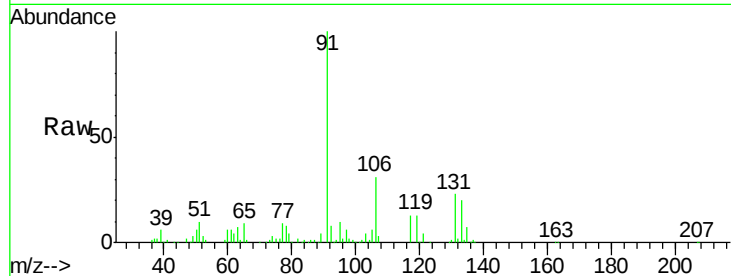
#67
Ethyl Benzene
Concen: 49.375 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion: 91 Resp: 384933
Ion Ratio Lower Upper
91 100
106 31.4 24.0 36.0

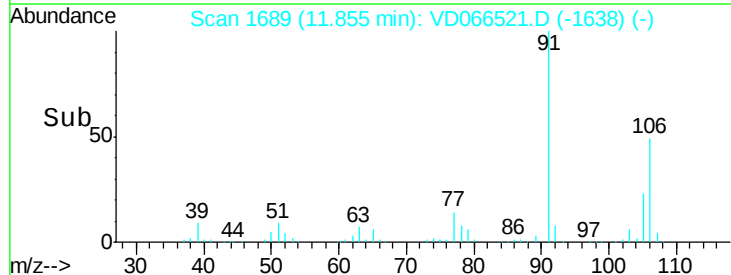
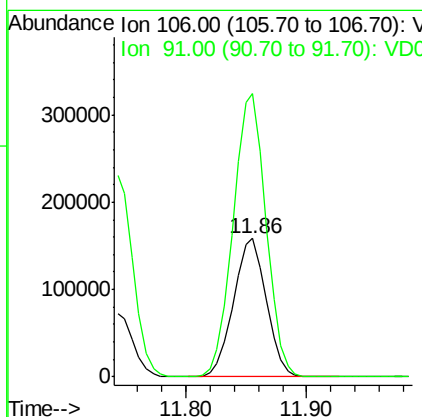
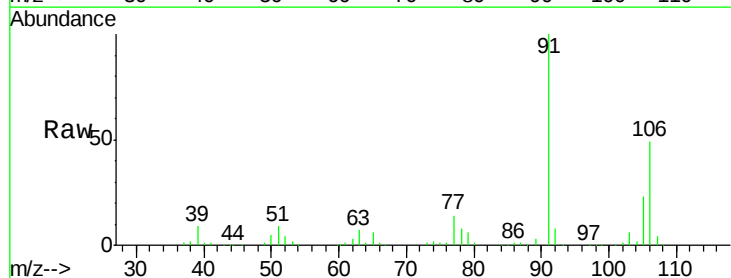
Manual Integrations
APPROVED

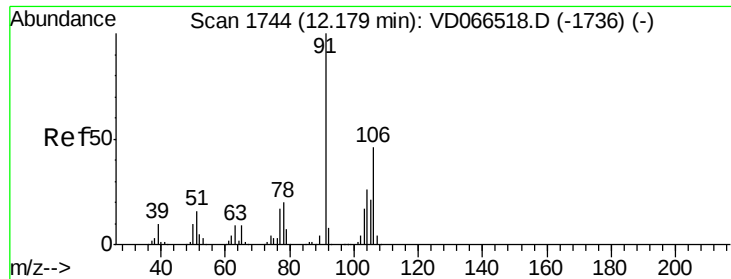
MMDadoda
9/3/2020 4:57:21 PM



#68
m/p-Xylenes
Concen: 99.364 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion: 106 Resp: 299717
Ion Ratio Lower Upper
106 100
91 205.0 163.3 244.9





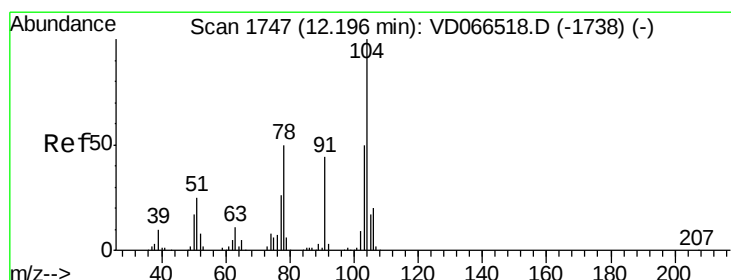
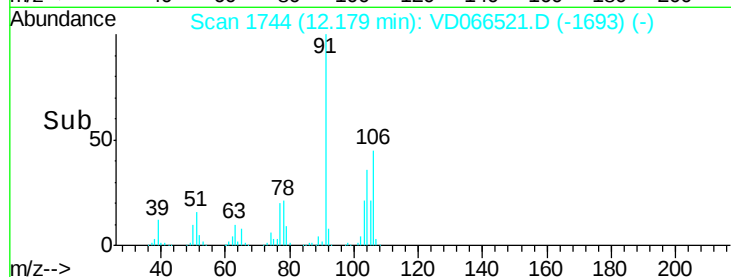
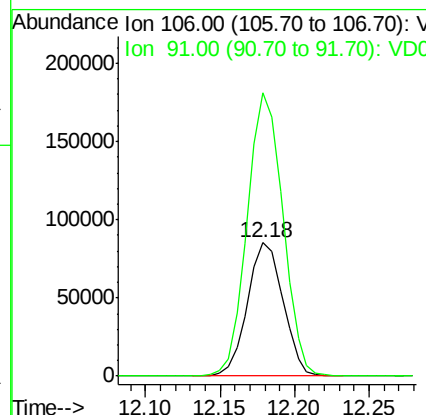
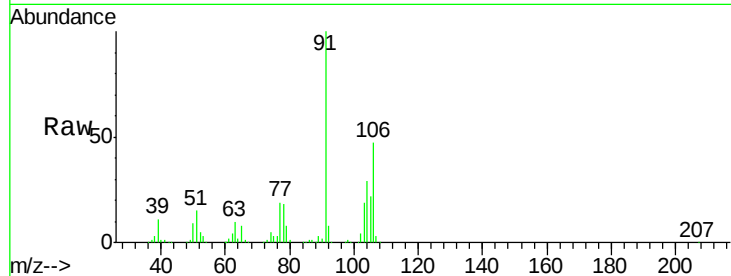
#69
o-Xylene
Concen: 49.422 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	141211		
91	91	212.2	108.7	326.3	

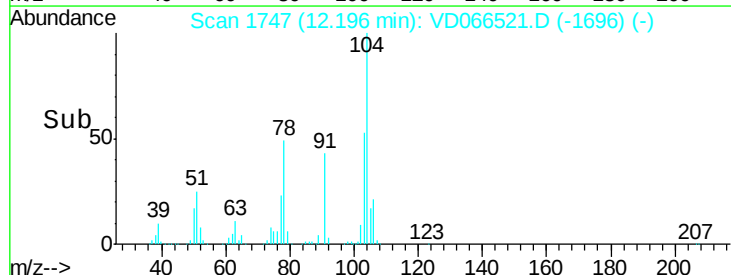
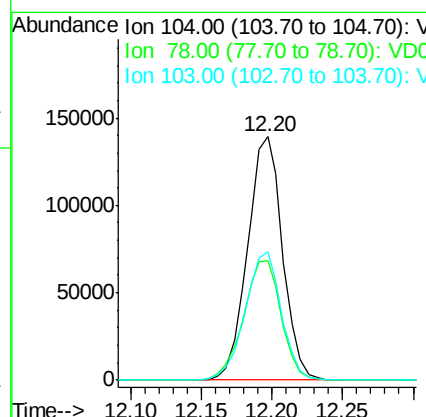
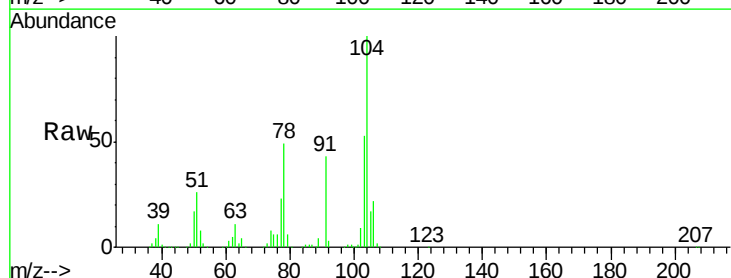
Manual Integrations
APPROVED

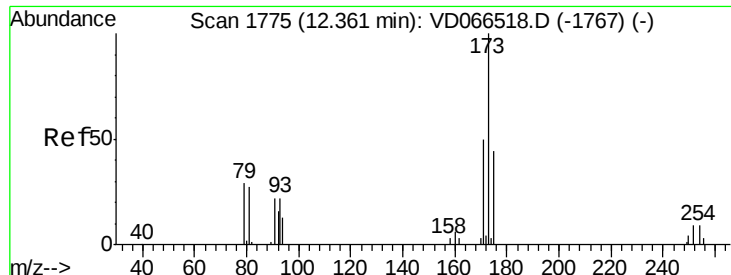
MMDadoda
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#70
Styrene
Concen: 49.387 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	241587		
78	78	52.9	44.3	66.5	
103	103	54.5	44.1	66.1	





#71

Bromoform

Concen: 49.320 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

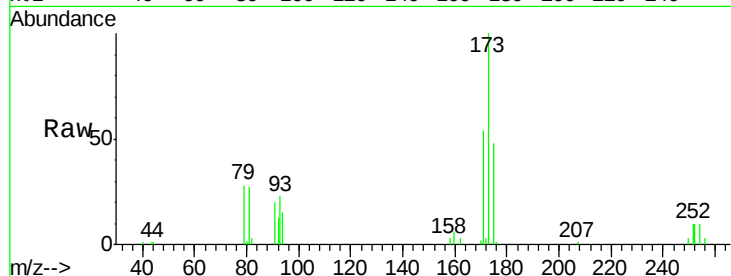
ClientSampleId :

ICVVD090220

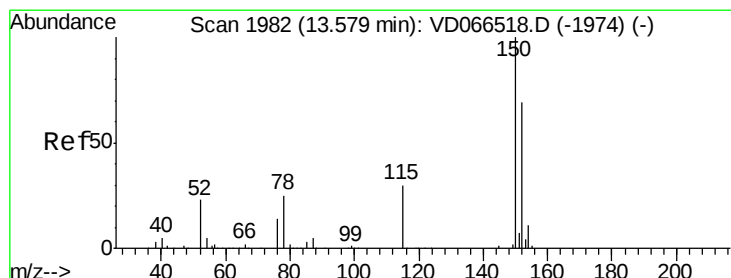
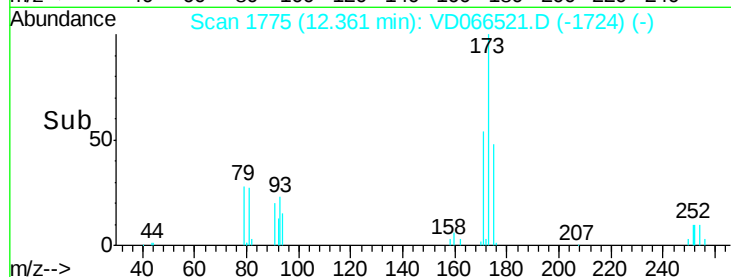
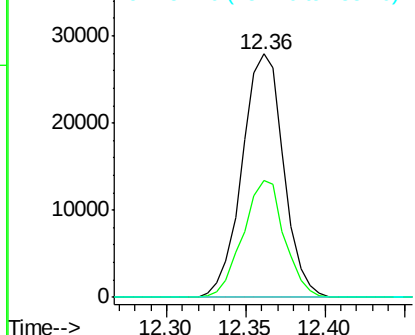
Tot Ion:	173	Resp:	50656
Ion Ratio	Lower	Upper	
173	100		
175	48.0	22.3	66.8
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

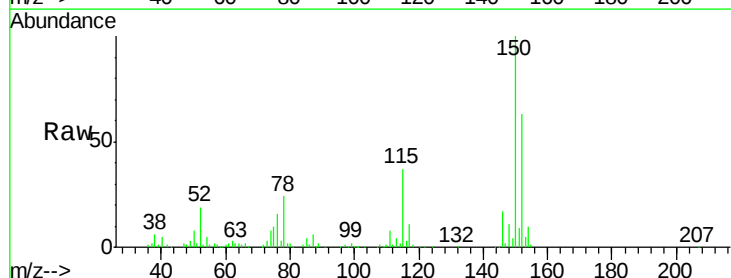
RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

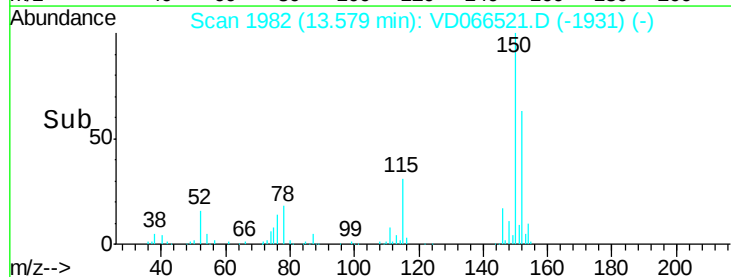
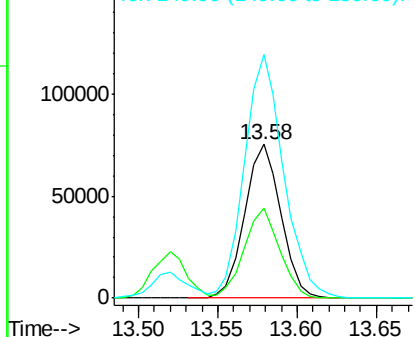
Lab File: VD066521.D

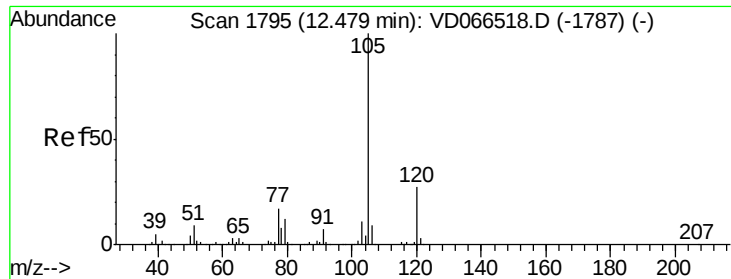
Acq: 02 Sep 2020 14:32

Tgt Ion:	152	Resp:	118860
Ion Ratio	Lower	Upper	
152	100		
115	58.1	28.9	86.8
150	172.3	0.0	339.6



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





#73

Isopropylbenzene

Concen: 50.420 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

Tot Ion: 105 Resp: 400451

Ion Ratio Lower Upper

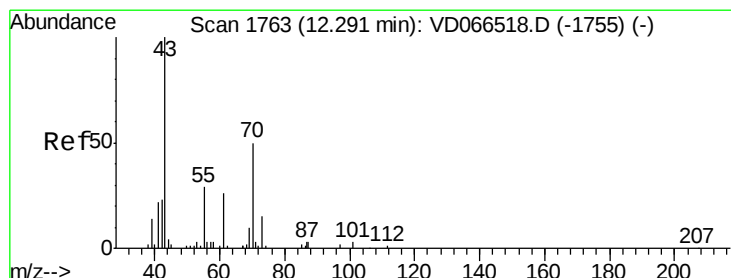
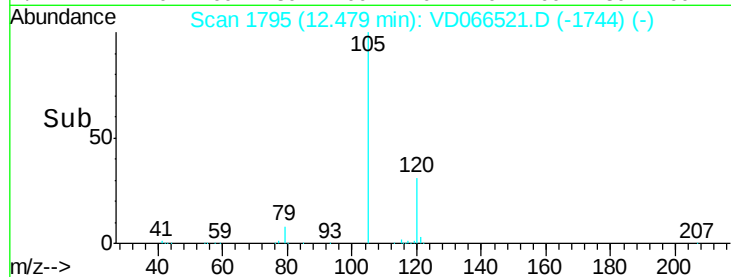
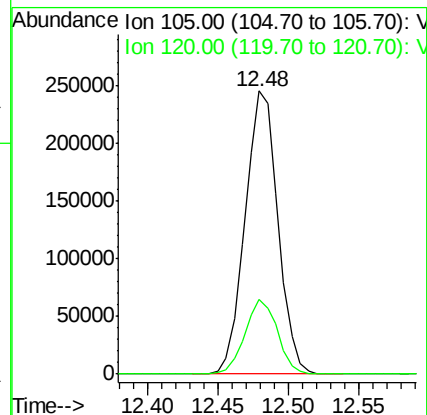
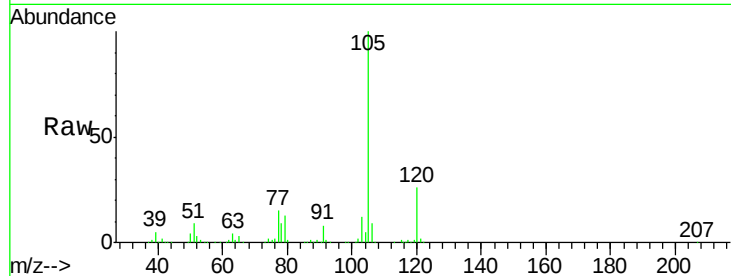
105 100

120 26.0 13.5 40.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 49.658 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Tgt Ion: 43 Resp: 59469

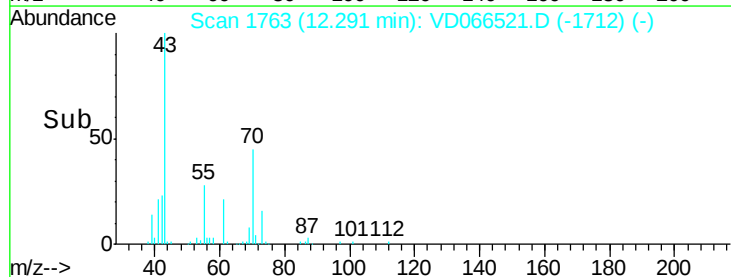
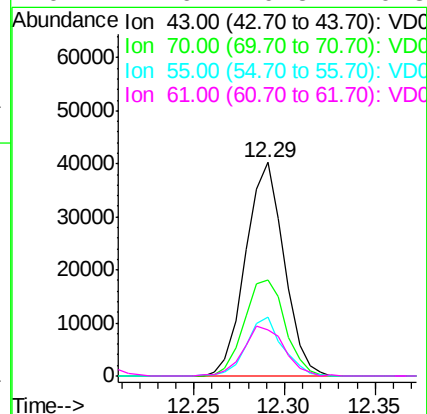
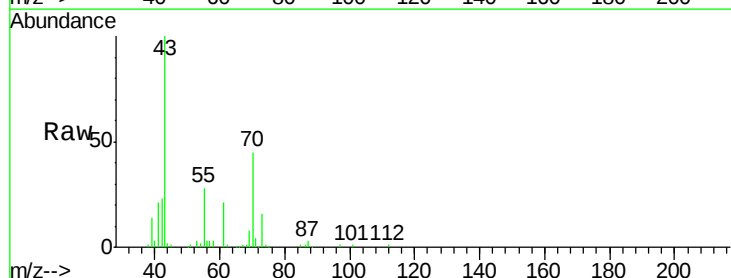
Ion Ratio Lower Upper

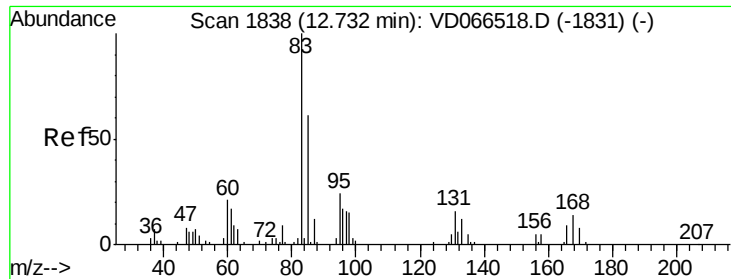
43 100

70 47.5 36.2 54.2

55 25.6 20.6 30.8

61 24.6 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 50.356 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

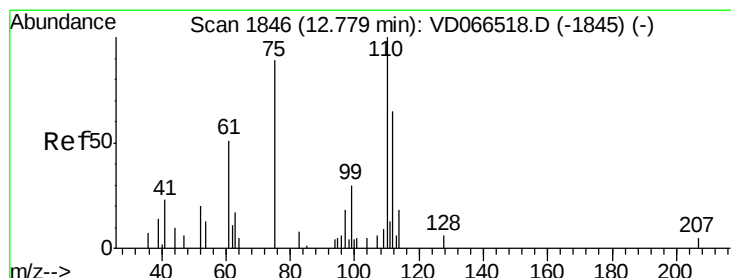
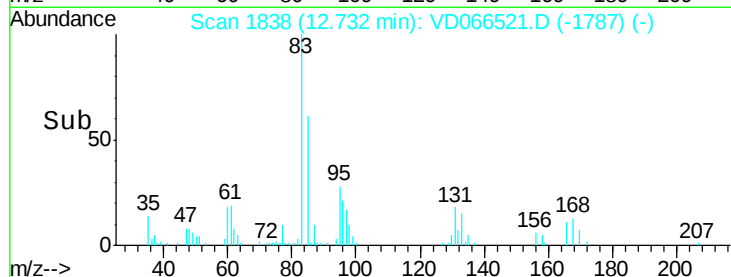
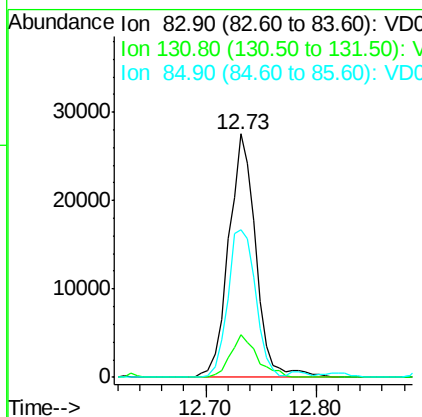
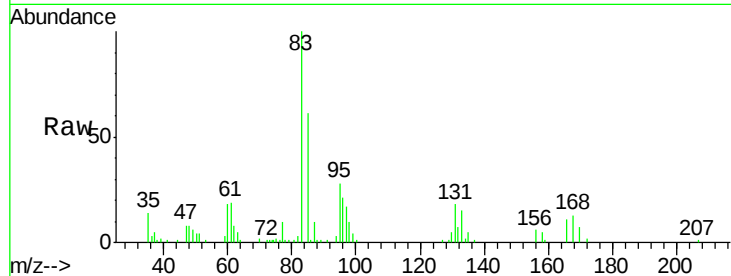
ClientSampleId :

ICVVD090220

Tot Ion:	83	Resp:	47260
Ion	Ratio	Lower	Upper
83	100		
131	17.3	8.3	24.9
85	62.5	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.728 ug/l m

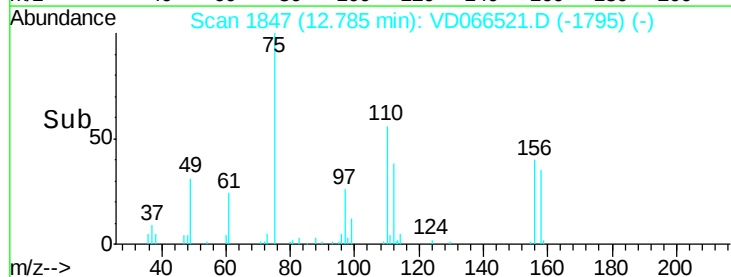
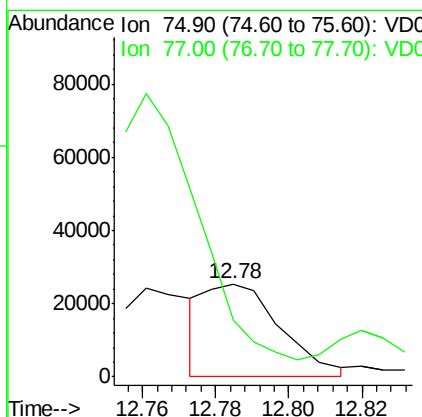
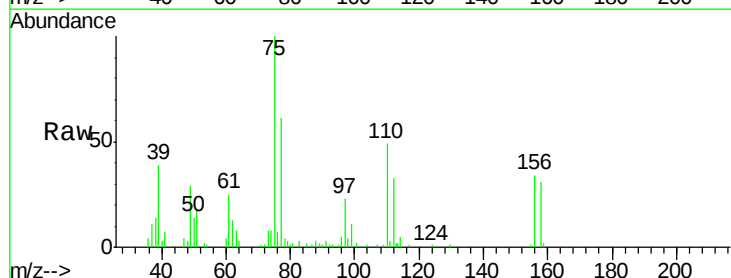
RT: 12.78 min Scan# 1847

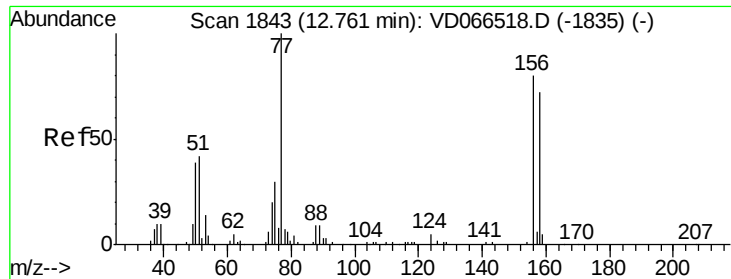
Delta R.T. 0.01 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Tgt Ion:	75	Resp:	36434
Ion	Ratio	Lower	Upper
75	100		
77	0.0	196.9	590.7#





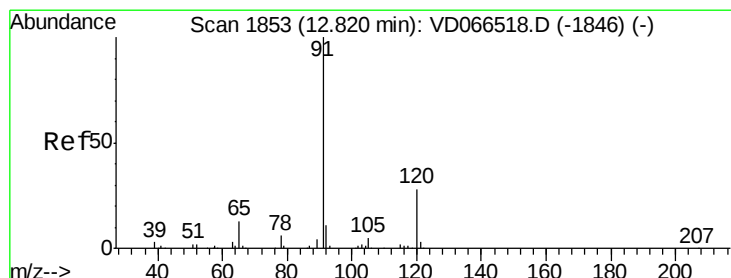
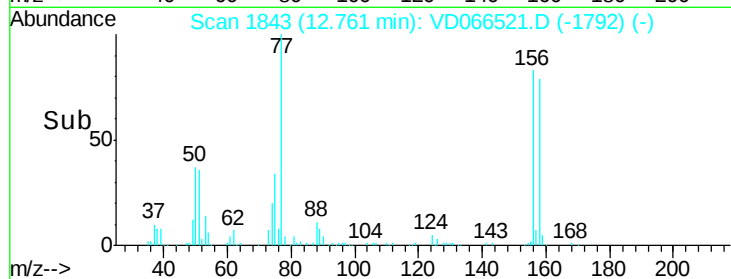
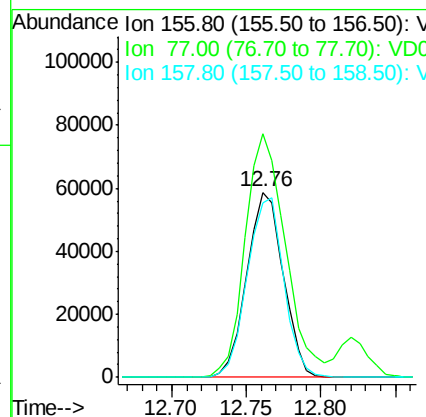
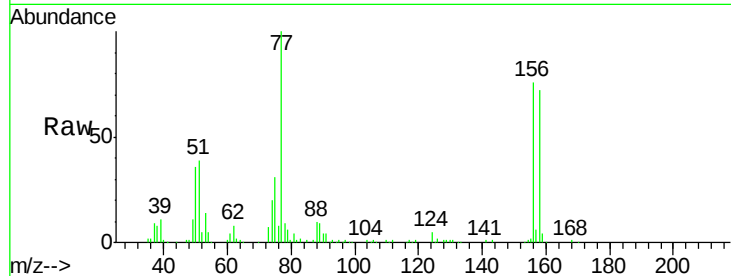
#77
Bromobenzene
Concen: 49.204 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.5	71.0	213.2
158	97.3	49.5	148.7

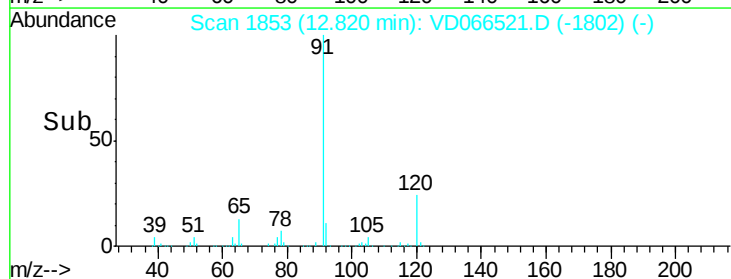
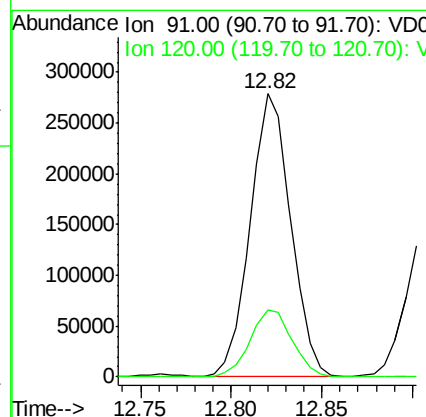
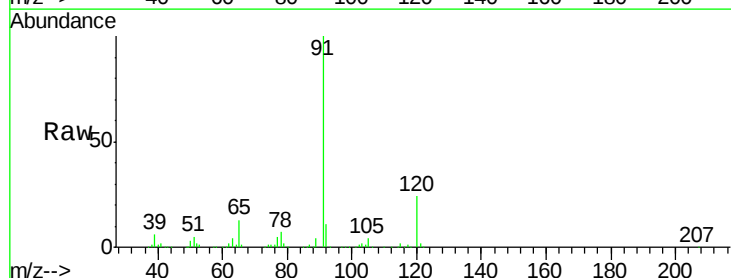
Manual Integrations
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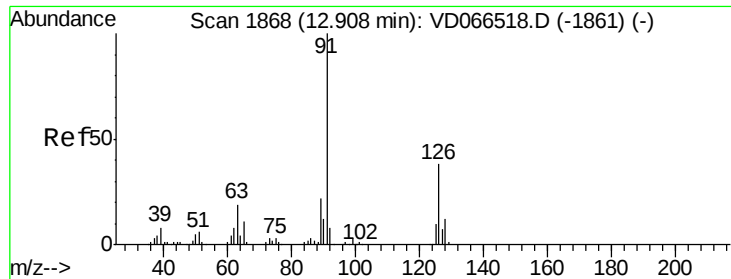
MMDadoda
9/3/2020 4:57:21 PM



#78
n-propylbenzene
Concen: 50.057 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	13.0	39.0





#79

2-Chlorotoluene

Concen: 49.554 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

Tot Ion: 91 Resp: 248145

Ion Ratio Lower Upper

91 100

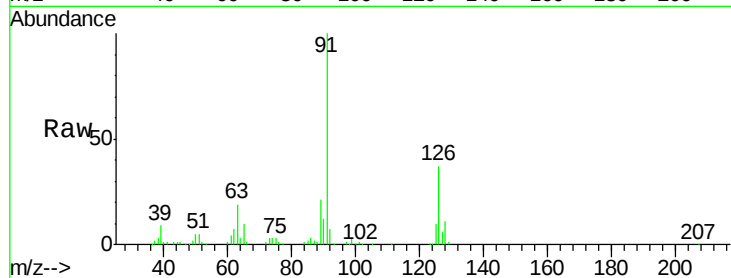
126 36.5 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD066521.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066521.D (-1861) (-)

200000

150000

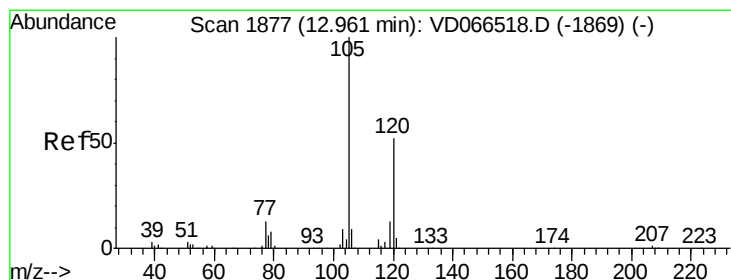
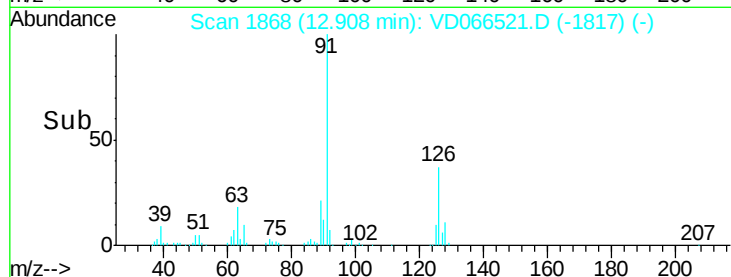
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.048 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066521.D

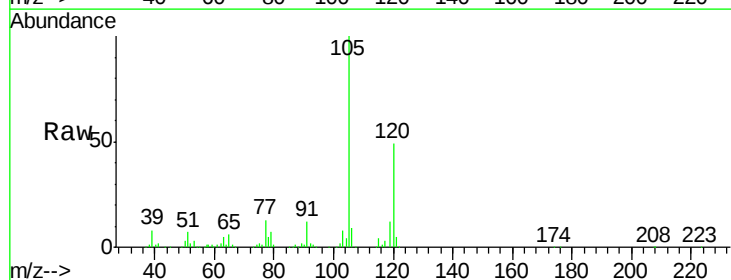
Acq: 02 Sep 2020 14:32

Tgt Ion:105 Resp: 345584

Ion Ratio Lower Upper

105 100

120 48.4 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VD066521.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066521.D (-1826) (-)

250000

200000

150000

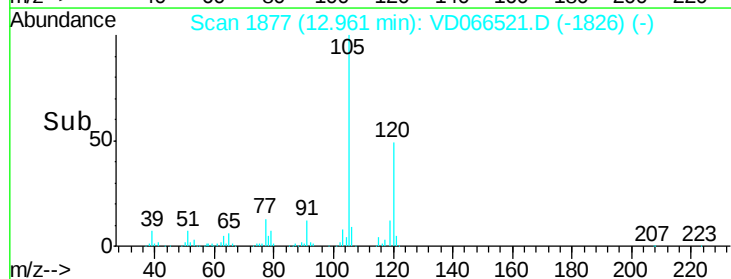
100000

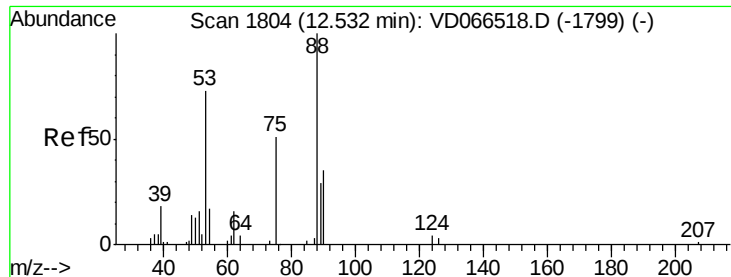
50000

0

12.90 12.96 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.070 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090220

Tot Ion: 75 Resp: 17483

Ion Ratio Lower Upper

75 100

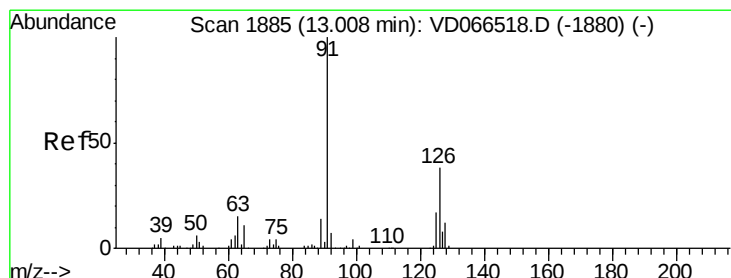
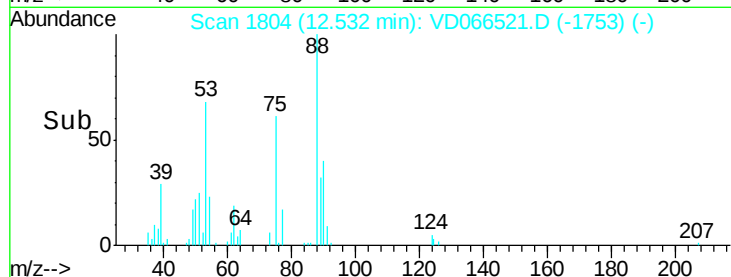
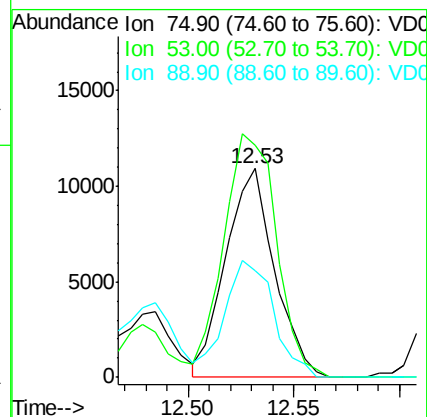
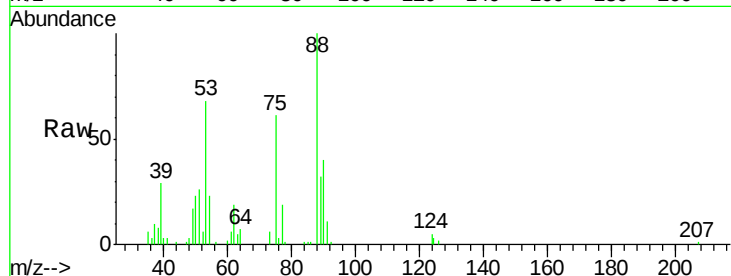
53 126.0 101.8 152.8

89 56.5 46.0 69.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.326 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066521.D

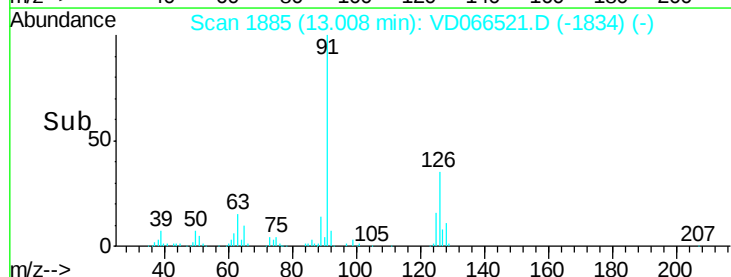
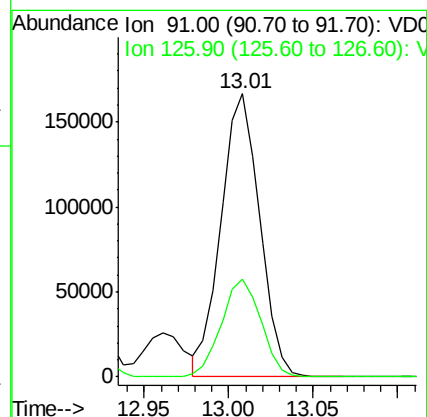
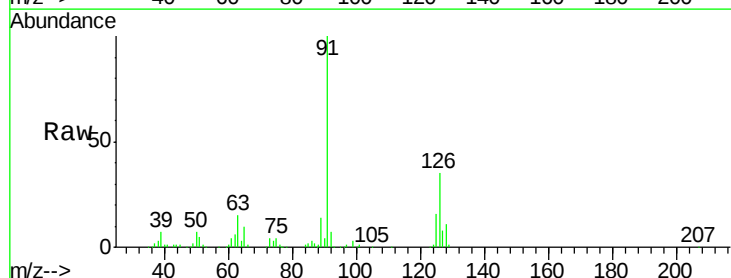
Acq: 02 Sep 2020 14:32

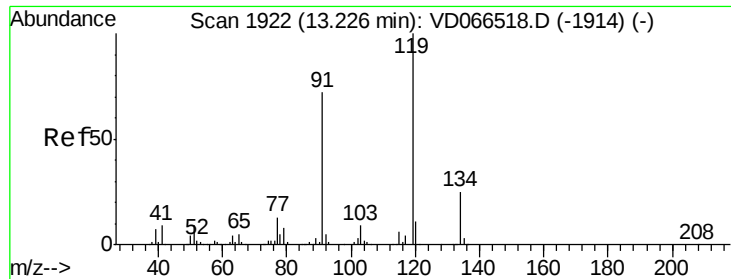
Tgt Ion: 91 Resp: 265311

Ion Ratio Lower Upper

91 100

126 35.4 18.2 54.6





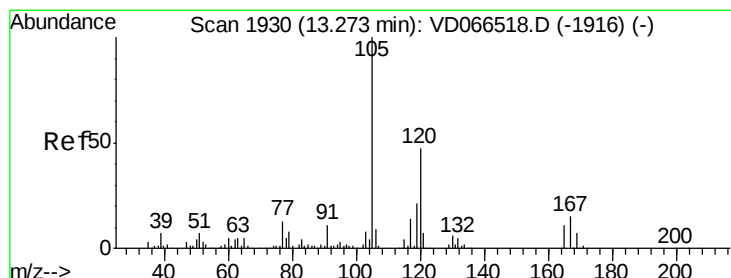
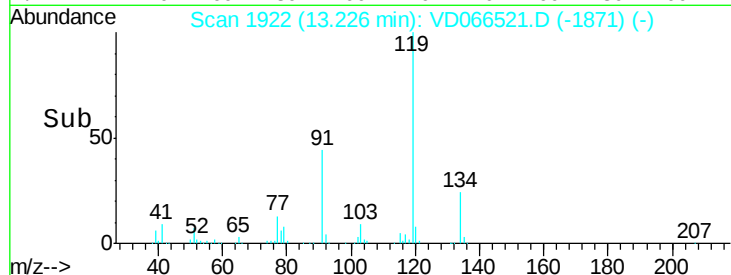
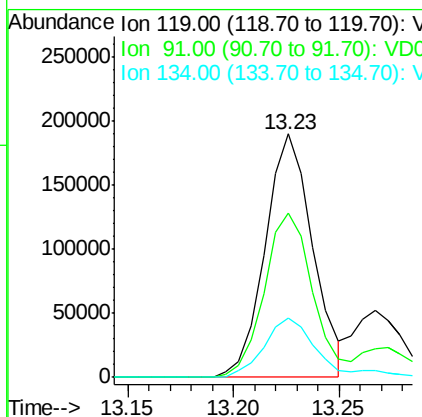
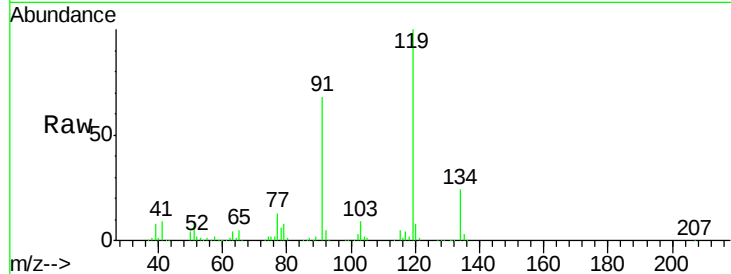
#83
tert-Butylbenzene
Concen: 49.226 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion	Ratio	Resp	Lower	Upper
119	100	298134		
91	69.2	34.4	103.2	
134	25.4	13.5	40.4	

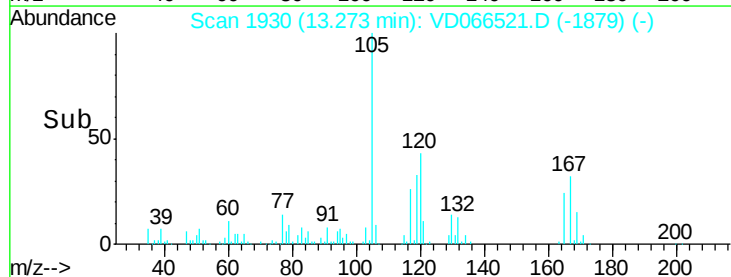
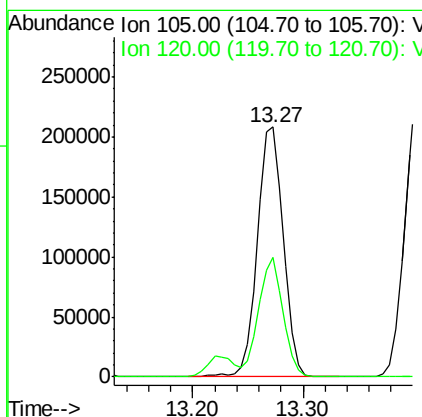
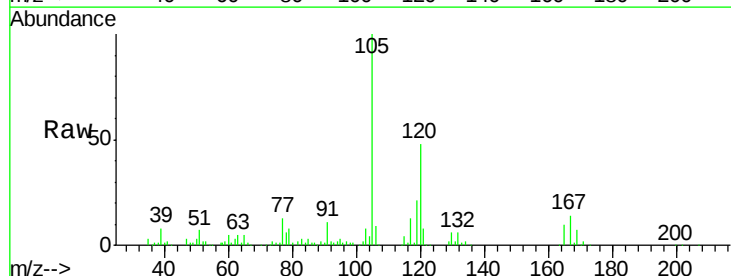
Manual Integrations
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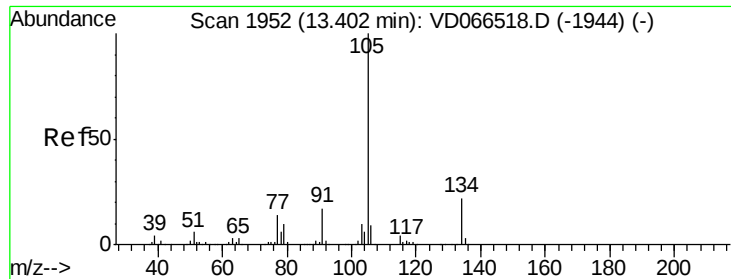
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 49.903 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	344636		
120	44.8	21.7	65.1	





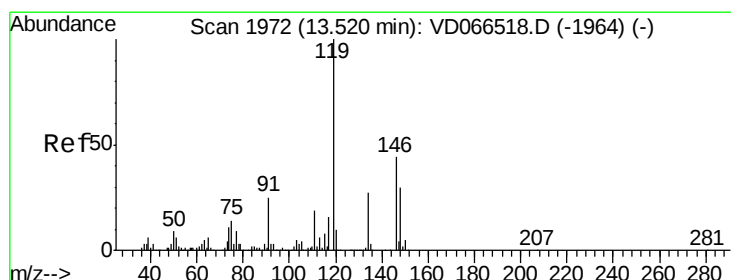
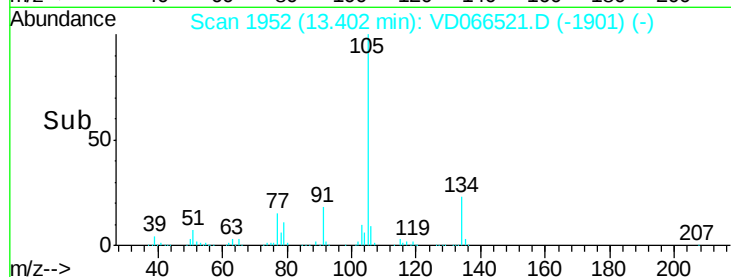
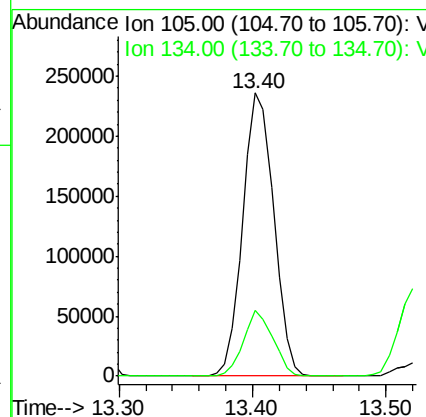
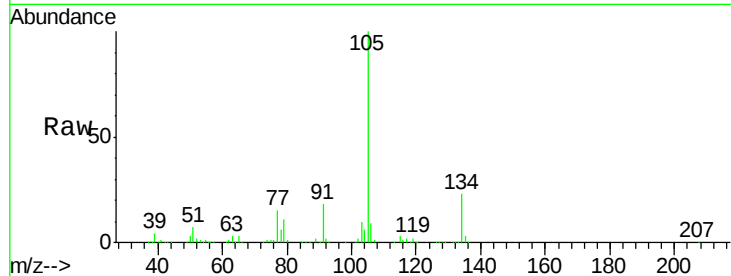
#85
 sec-Butylbenzene
 Concen: 49.333 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090220

Tot Ion	Ratio	Lower	Upper
105	100		
134	22.3	11.5	34.4

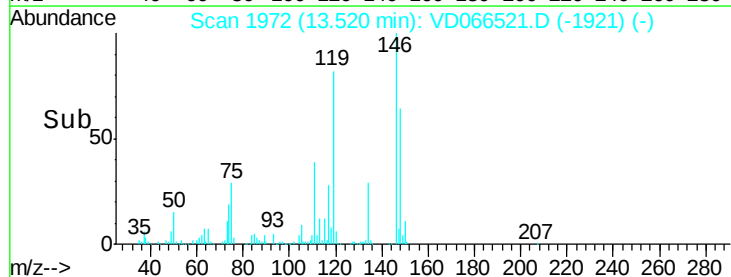
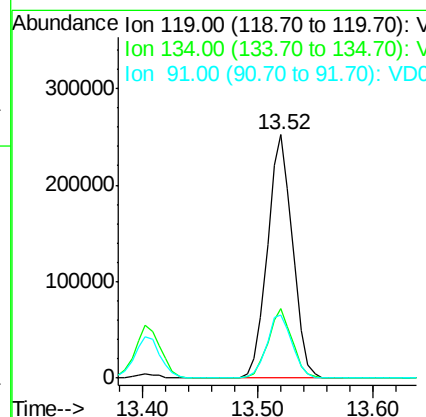
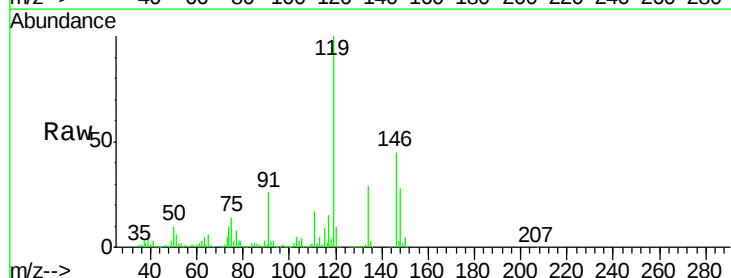
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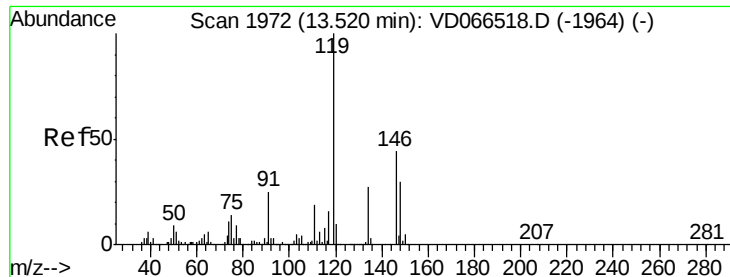
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#86
 p-Isopropyltoluene
 Concen: 49.757 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.5	40.4
91	26.4	13.0	39.0





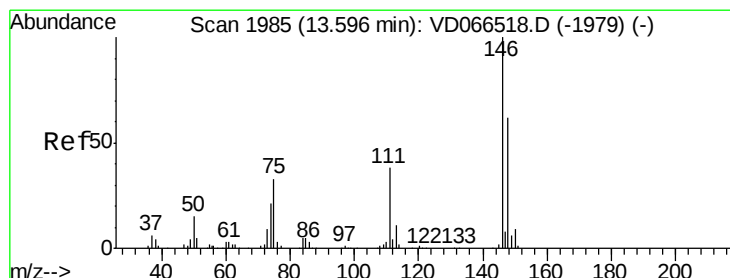
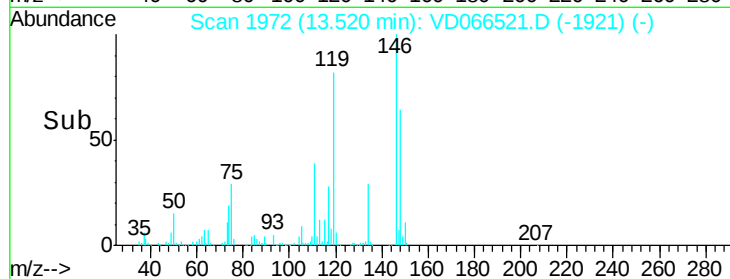
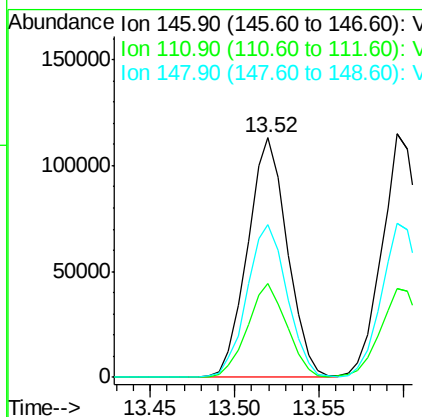
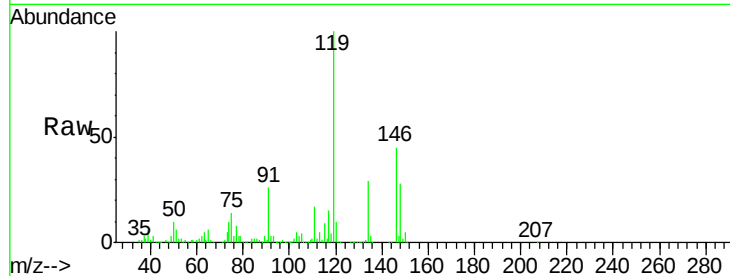
#87
 1,3-Dichlorobenzene
 Concen: 49.466 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090220

Tot Ion	Ratio	Resp	Lower	Upper
146	100	184904		
111	38.5	20.3	61.0	
148	64.3	32.3	96.9	

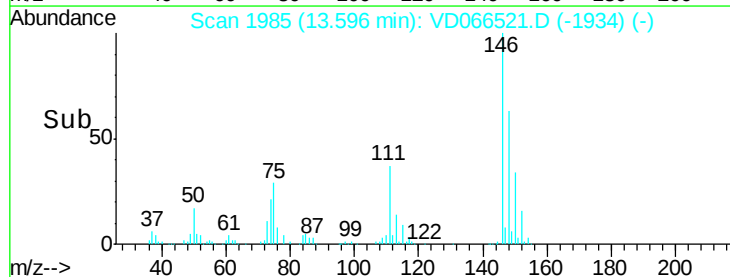
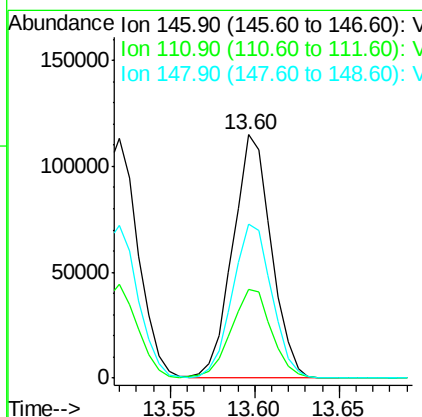
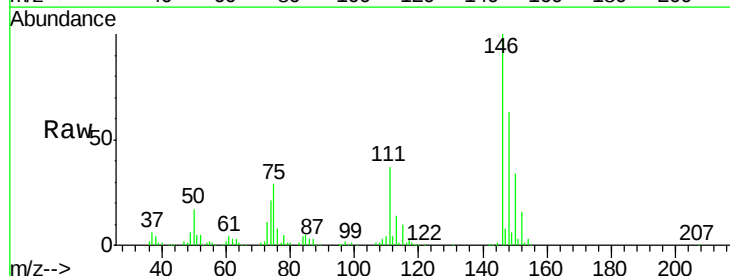
Manual Integrations
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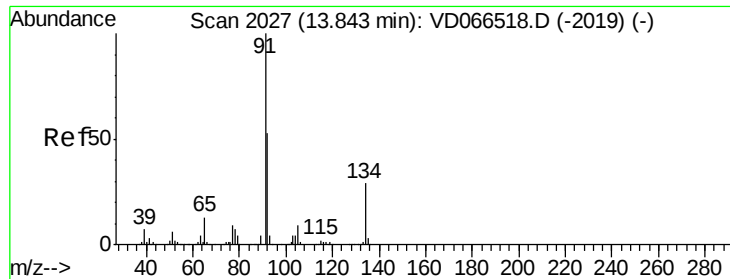
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 48.311 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	182690		
111	38.4	18.4	55.4	
148	64.8	31.5	94.5	





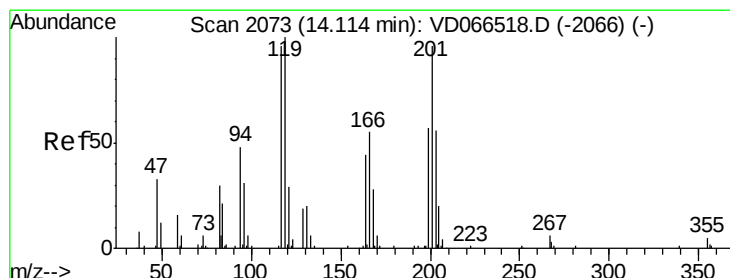
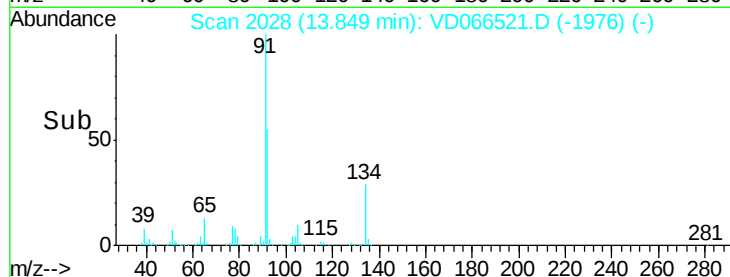
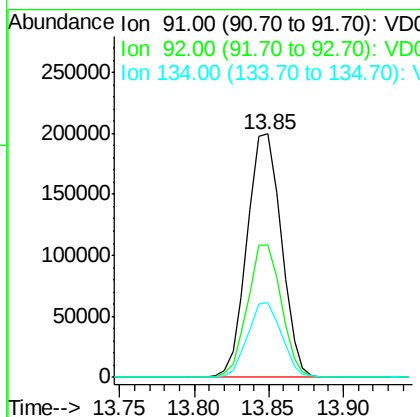
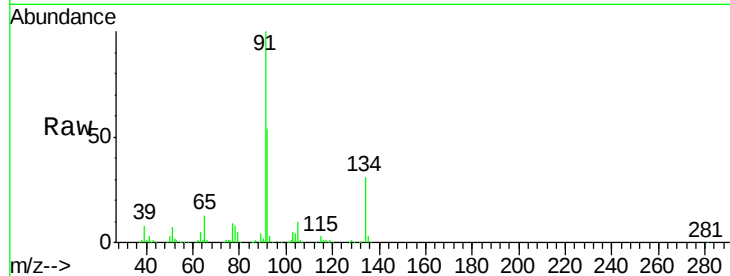
#89
n-Butylbenzene
Concen: 49.418 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.7
134	30.4	15.0	45.1

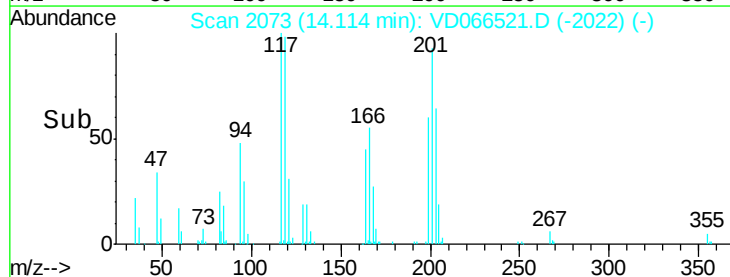
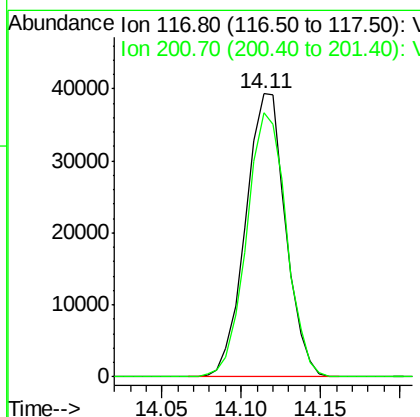
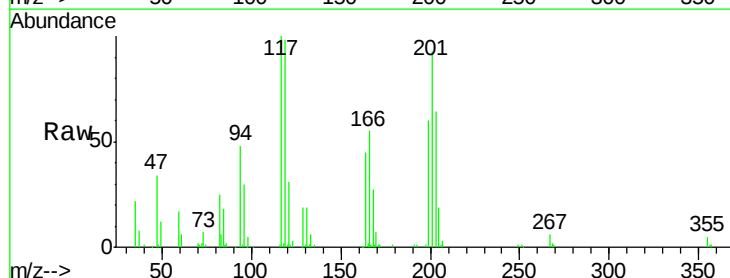
Manual Integrations
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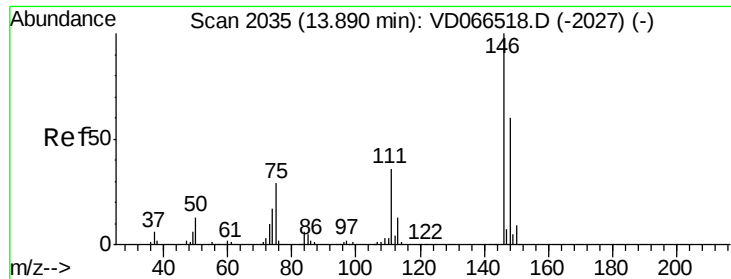
MMDadoda
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#90
Hexachloroethane
Concen: 50.119 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.2	50.0	150.0





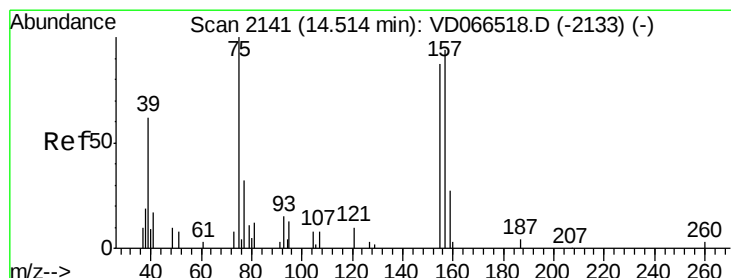
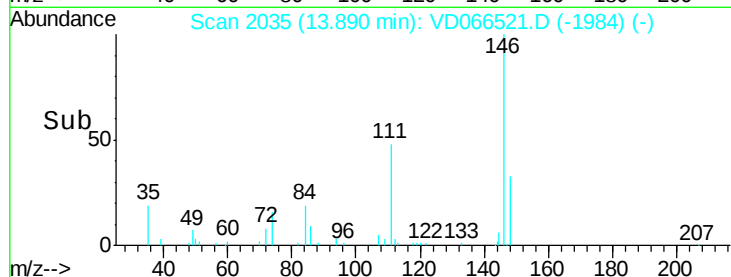
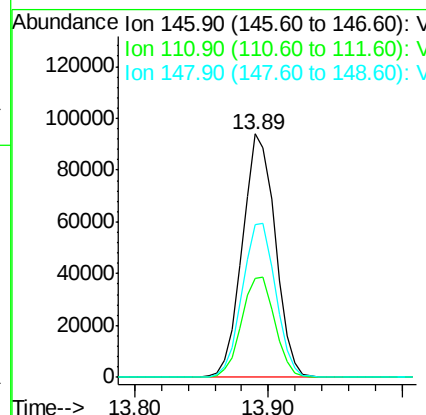
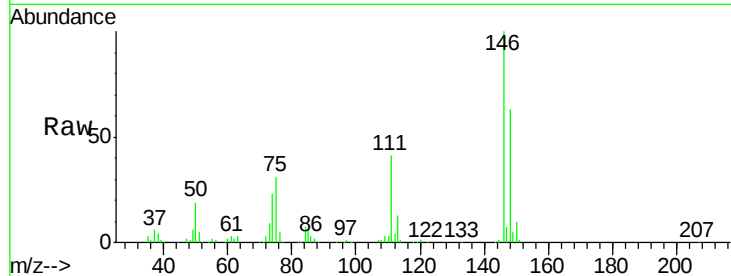
#91
 1,2-Dichlorobenzene
 Concen: 48.978 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090220

Tot Ion	Ratio	Resp	Lower	Upper
146	100	159245		
111	41.6	20.1	60.2	
148	64.7	32.3	96.9	

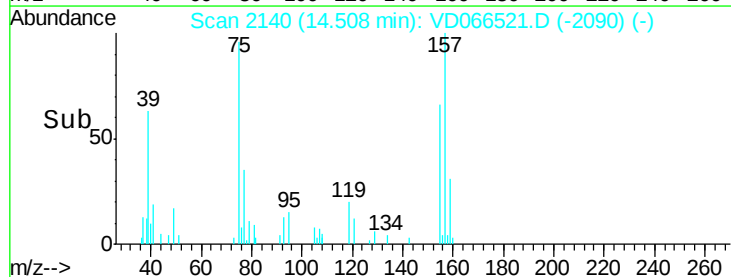
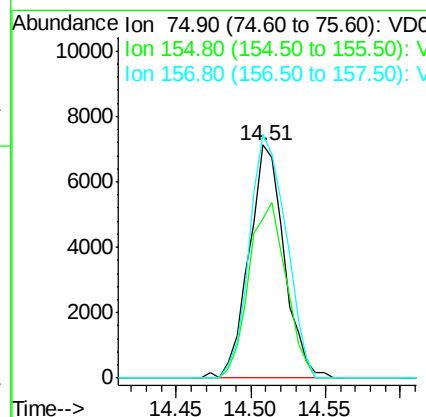
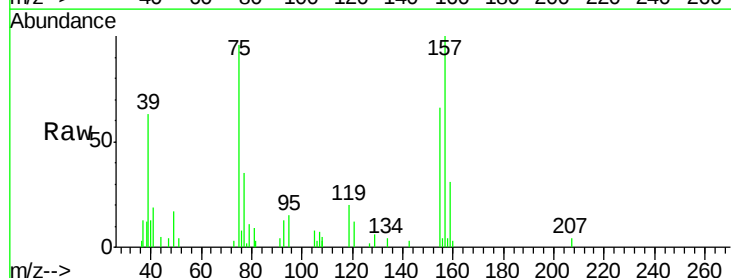
Manual Integrations
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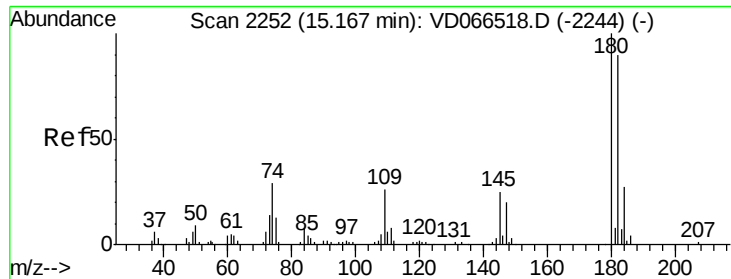
MMDadoda
 9/3/2020 4:57:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.623 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066521.D
 Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11572		
155	79.7	40.8	122.5	
157	109.1	49.3	147.8	





#93

1,2,4-Trichlorobenzene

Concen: 50.770 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Instrument :

MSVOA_D

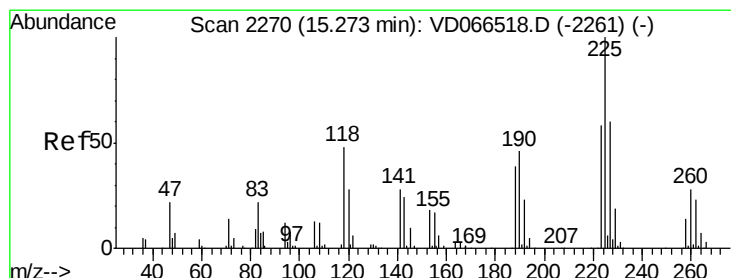
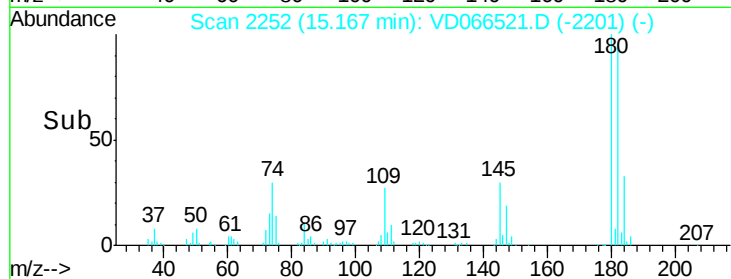
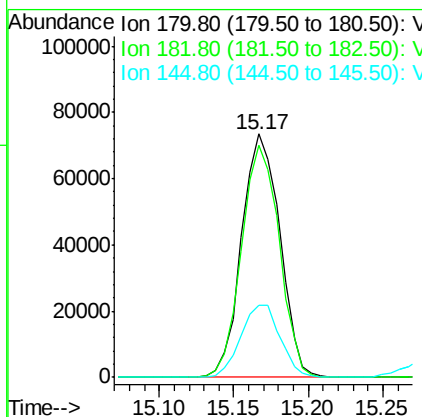
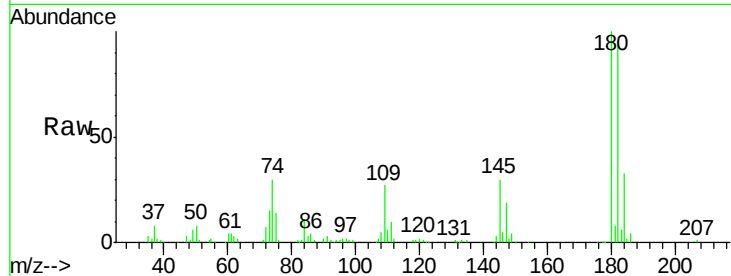
ClientSampleId :

ICVVD090220

Tot Ion:	180	Resp:	130289
Ion Ratio	Lower	Upper	
180	100		
182	94.2	46.9	140.6
145	30.6	15.0	45.1

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 50.186 ug/l

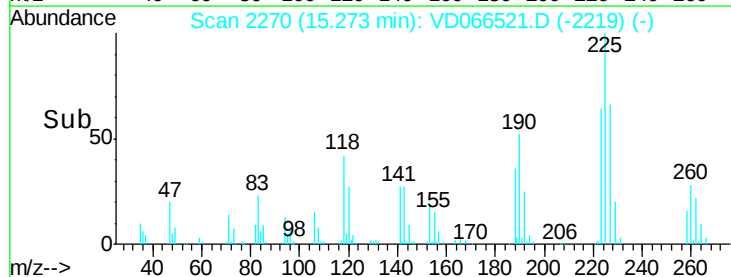
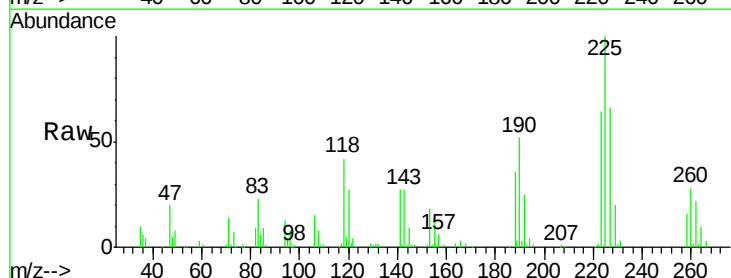
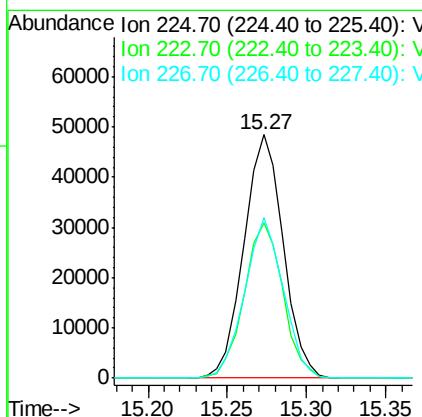
RT: 15.27 min Scan# 2270

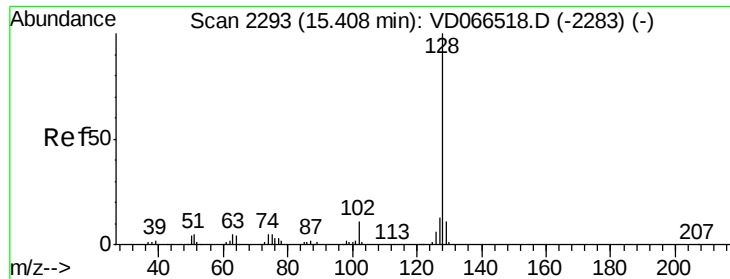
Delta R.T. -0.00 min

Lab File: VD066521.D

Acq: 02 Sep 2020 14:32

Tgt Ion:	225	Resp:	83489
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.6	94.7
227	64.4	31.4	94.3





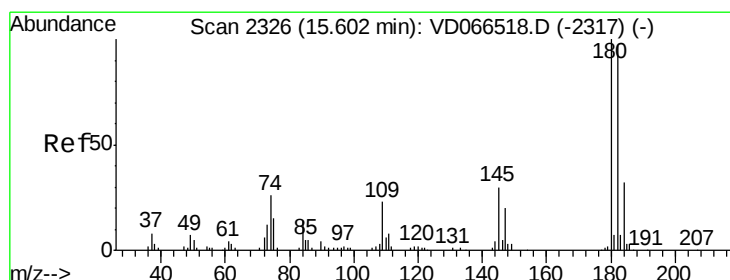
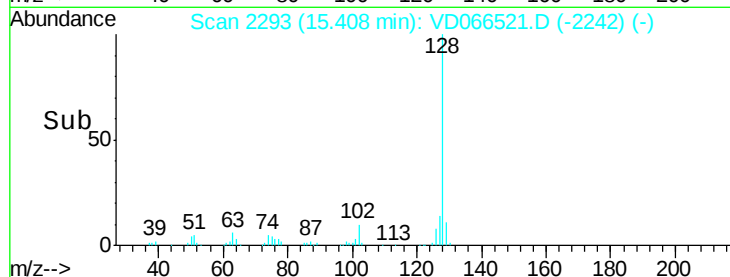
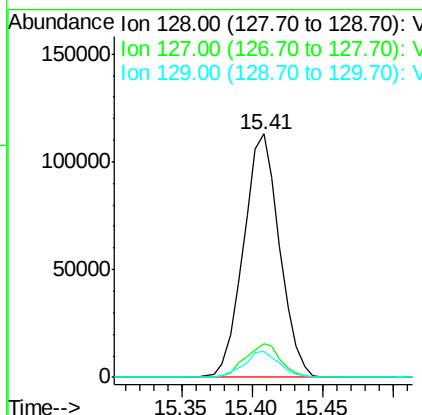
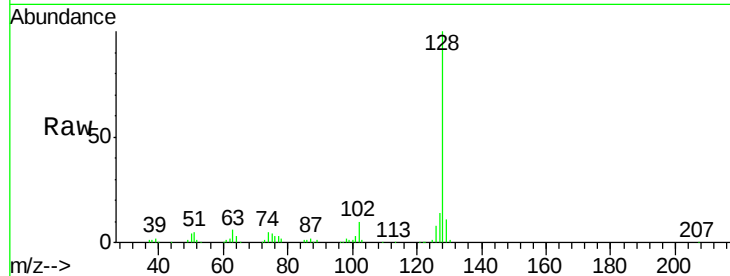
#95
Naphthalene
Concen: 50.724 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090220

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.1	16.7
129	10.2	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.138 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066521.D
Acq: 02 Sep 2020 14:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.5	142.5
145	31.7	16.2	48.6

