

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066537.D
 Acq On : 03 Sep 2020 15:02
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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 9/4/2020 4:54:51 PM

Quant Time: Sep 04 01:30:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:16:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	346081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	589454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	534689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	246269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.32	65	43195	11.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.38%	
35) Dibromofluoromethane	7.91	113	38802	11.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.02%	
50) Toluene-d8	10.34	98	127964	9.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.44%	
62) 4-Bromofluorobenzene	12.63	95	43323	9.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	38063	12.841	ug/l	99
3) Chloromethane	2.21	50	50150	23.395	ug/l	99
4) Vinyl Chloride	2.35	62	56034	21.889	ug/l	99
5) Bromomethane	2.77	94	41347	20.532	ug/l	99
6) Chloroethane	2.92	64	35075	20.689	ug/l	90
7) Trichlorofluoromethane	3.27	101	80589	12.194	ug/l	91
8) Diethyl Ether	3.70	74	18975	14.316	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	42871	14.766	ug/l	99
10) Methyl Iodide	4.30	142	26449	8.682	ug/l	96
11) Tert butyl alcohol	5.19	59	23476	86.373	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	37569	13.969	ug/l	98
13) Acrolein	3.91	56	9713	77.518	ug/l	97
14) Allyl chloride	4.71	41	59220	17.935	ug/l	98
15) Acrylonitrile	5.43	53	40416	81.634	ug/l	97
16) Acetone	4.15	43	44366	76.866	ug/l	91
17) Carbon Disulfide	4.41	76	128148	15.983	ug/l	100
18) Methyl Acetate	4.71	43	18083	17.782	ug/l #	81
19) Methyl tert-butyl Ether	5.48	73	84057	12.136	ug/l #	90
20) Methylene Chloride	4.97	84	63797	18.584	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	44587	14.261	ug/l	99
22) Diisopropyl ether	6.36	45	123923	18.383	ug/l	96
23) Vinyl Acetate	6.31	43	339585	80.509	ug/l	98
24) 1,1-Dichloroethane	6.27	63	79874	16.103	ug/l	98
25) 2-Butanone	7.21	43	55806	87.495	ug/l	97
26) 2,2-Dichloropropane	7.21	77	73632	12.611	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	46067	13.643	ug/l	96
28) Bromochloromethane	7.54	49	27197	17.543	ug/l #	95
29) Tetrahydrofuran	7.56	42	33804	97.253	ug/l	98
30) Chloroform	7.71	83	85368	14.009	ug/l	98
31) Cyclohexane	7.97	56	74639	16.957	ug/l #	88
32) 1,1,1-Trichloroethane	7.90	97	80489	12.298	ug/l	97
36) 1,1-Dichloropropene	8.11	75	64260	12.160	ug/l	97
37) Ethyl Acetate	7.28	43	25604	15.073	ug/l	98
38) Carbon Tetrachloride	8.09	117	69246	9.164	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	68466	11.044	ug/l	100
40) Benzene	8.34	78	176647	12.845	ug/l	100
41) Methacrylonitrile	7.52	41	10786m	11.937	ug/l	
42) 1,2-Dichloroethane	8.42	62	58587	10.567	ug/l	100
43) Isopropyl Acetate	8.44	43	48384	13.965	ug/l	97
44) Trichloroethene	9.11	130	45911	10.151	ug/l	90
45) 1,2-Dichloropropane	9.38	63	45454	15.795	ug/l	100
46) Dibromomethane	9.47	93	24800	12.548	ug/l	97
47) Bromodichloromethane	9.66	83	68231	11.794	ug/l #	98
48) Methyl methacrylate	9.46	41	22072	12.484	ug/l #	86
49) 1,4-Dioxane	9.46	88	5200	227.358	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	121386	74.691	ug/l	98
52) Toluene	10.40	92	109295	11.391	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	54074	10.296	ug/l	90
54) cis-1,3-Dichloropropene	10.08	75	69765	12.306	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	32196	12.868	ug/l	96
56) Ethyl methacrylate	10.66	69	33778	11.317	ug/l	97
57) 1,3-Dichloropropane	10.94	76	55952	13.325	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	81902	68.135	ug/l	96
59) 2-Hexanone	10.98	43	80485	69.033	ug/l	97
60) Dibromochloromethane	11.14	129	42477	10.653	ug/l	98
61) 1,2-Dibromoethane	11.24	107	30188	11.819	ug/l	99
64) Tetrachloroethene	10.87	164	36394	8.991	ug/l	97
65) Chlorobenzene	11.67	112	114033	10.856	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	43524	9.948	ug/l	99
67) Ethyl Benzene	11.74	91	203483	10.880	ug/l	98
68) m/p-Xylenes	11.85	106	155126	21.474	ug/l	98
69) o-Xylene	12.18	106	65983	9.704	ug/l	100
70) Styrene	12.20	104	115054	9.875	ug/l	98
71) Bromoform	12.36	173	22511	9.558	ug/l #	98
73) Isopropylbenzene	12.48	105	181655	10.848	ug/l	98
74) N-amyl acetate	12.29	43	42076	15.262	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	35459	16.453	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	23513m	13.763	ug/l	
77) Bromobenzene	12.76	156	41670	10.052	ug/l	97
78) n-propylbenzene	12.82	91	227533	12.177	ug/l	98
79) 2-Chlorotoluene	12.91	91	127784	11.954	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	155734	10.723	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10969	14.845	ug/l	99
82) 4-Chlorotoluene	13.01	91	136611	11.902	ug/l	96
83) tert-Butylbenzene	13.23	119	128481	10.238	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	155108	10.734	ug/l	98
85) sec-Butylbenzene	13.40	105	180479	11.053	ug/l	100
86) p-Isopropyltoluene	13.52	119	157901	9.846	ug/l	96
87) 1,3-Dichlorobenzene	13.52	146	84032	10.816	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	85354	10.909	ug/l	96
89) n-Butylbenzene	13.85	91	156657	11.380	ug/l	98
90) Hexachloroethane	14.11	117	38072	12.850	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	74309	11.022	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5809	11.290	ug/l	93

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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:16:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	41792	8.175	ug/l	97
94) Hexachlorobutadiene	15.27	225	26741	8.149	ug/l	99
95) Naphthalene	15.41	128	70615	8.659	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	36527	8.244	ug/l	99

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

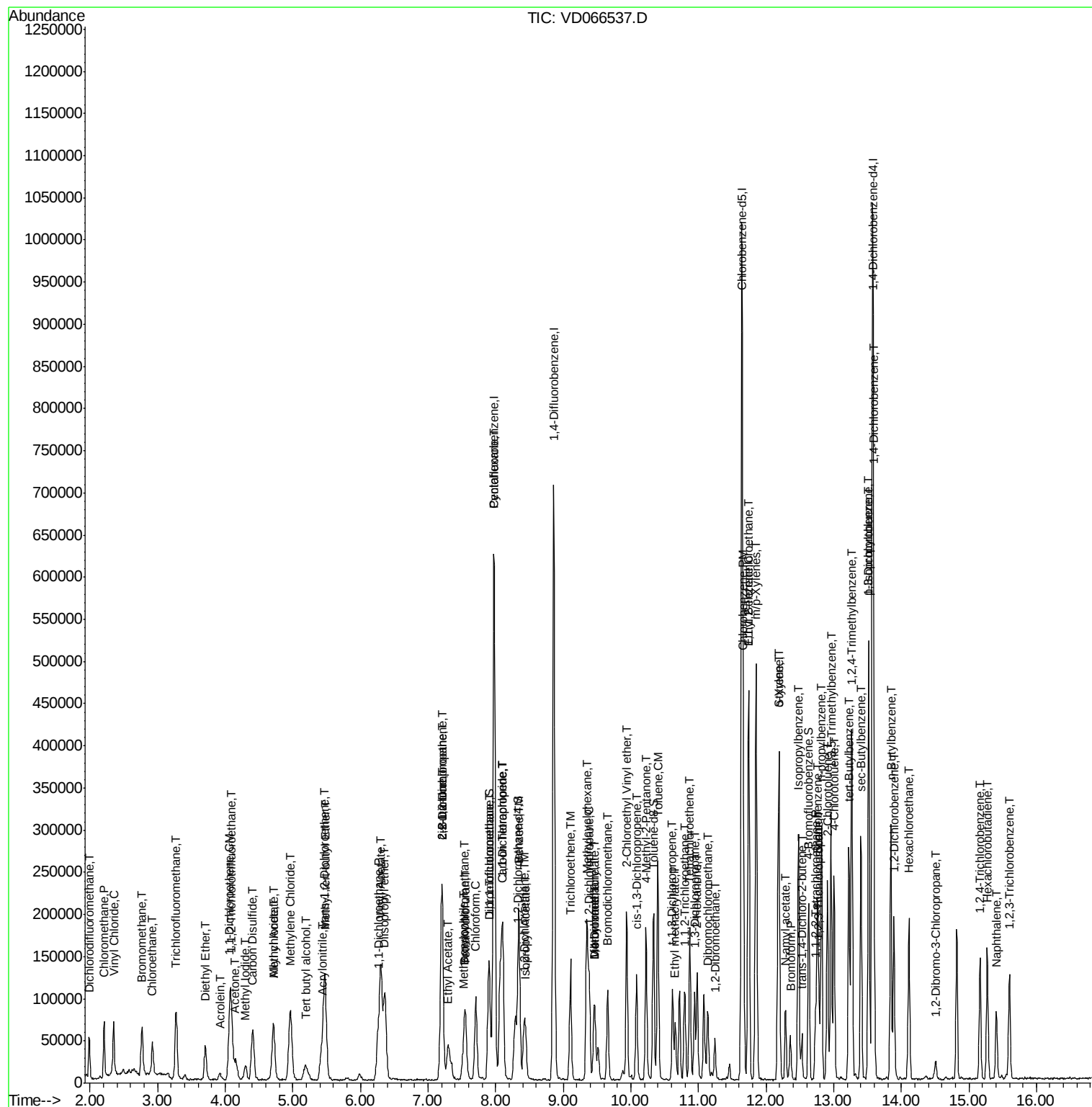
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 Operator : VA/SY
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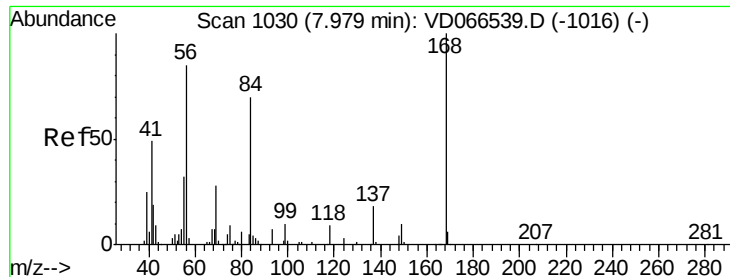
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 346081

Ion Ratio Lower Upper

168 100

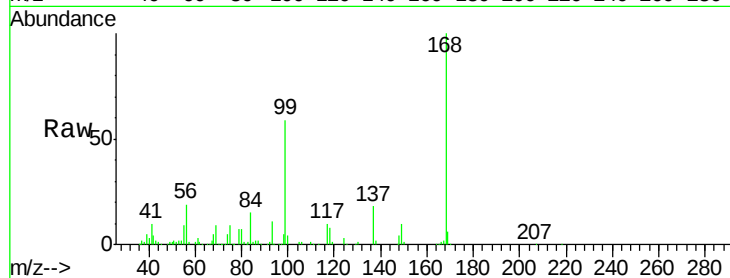
99 58.7 50.5 75.7

Manual Integrations

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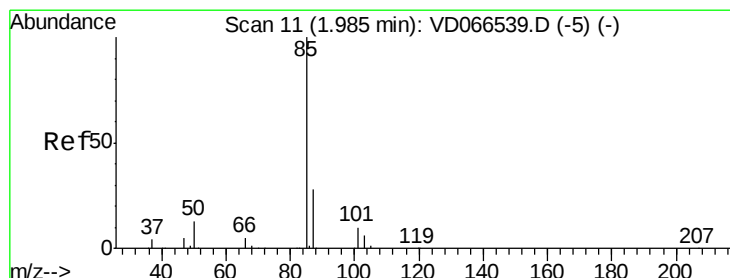
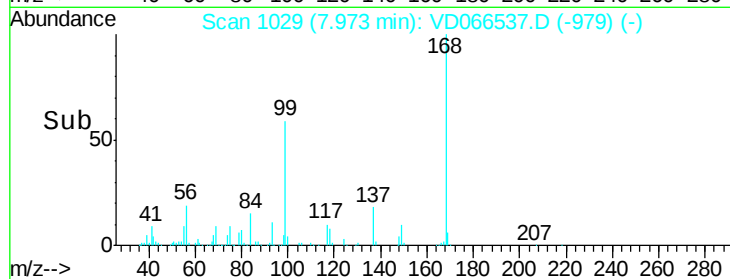
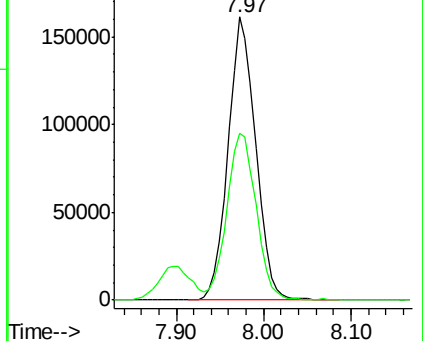
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 12.841 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066537.D

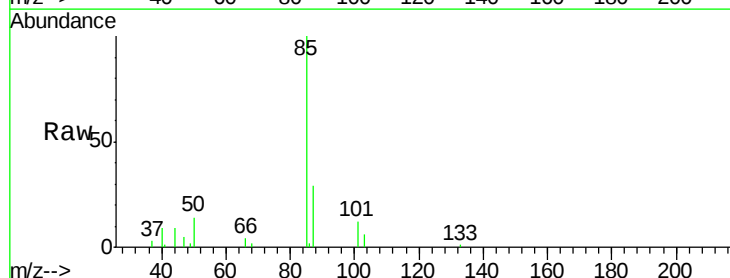
Acq: 03 Sep 2020 15:02

Tgt Ion: 85 Resp: 38063

Ion Ratio Lower Upper

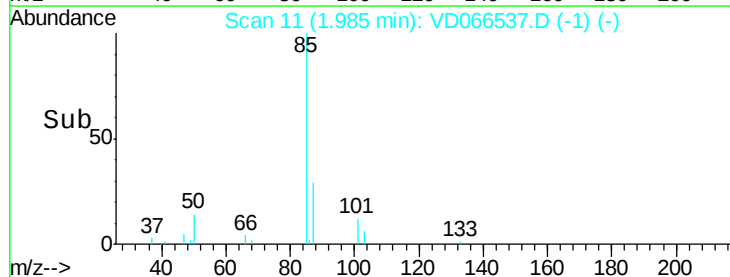
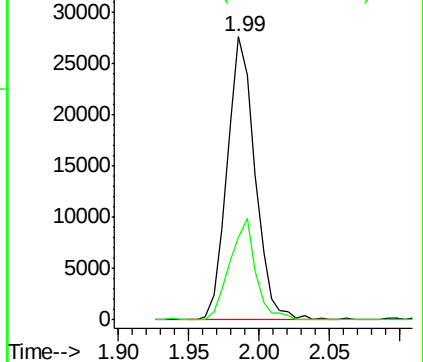
85 100

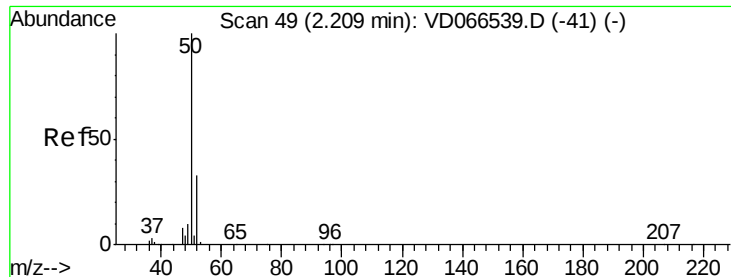
87 29.0 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.395 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 50150

Ion Ratio Lower Upper

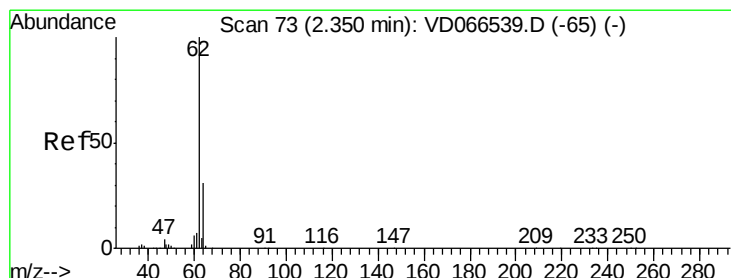
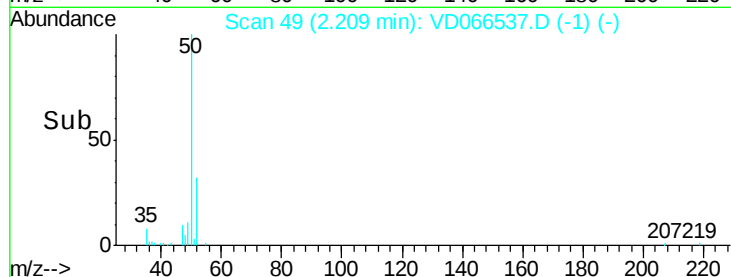
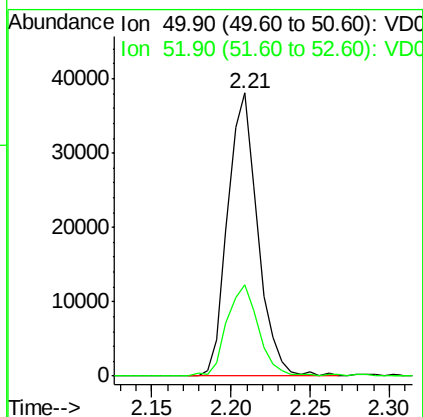
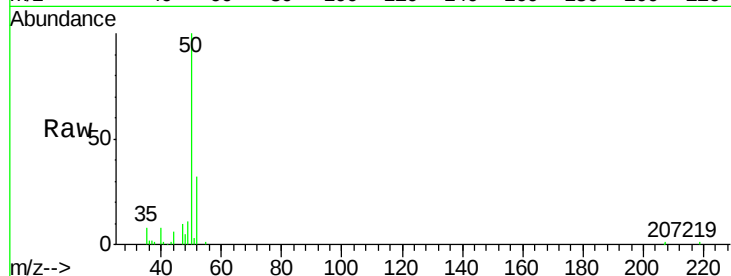
50 100

52 32.3 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.889 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066537.D

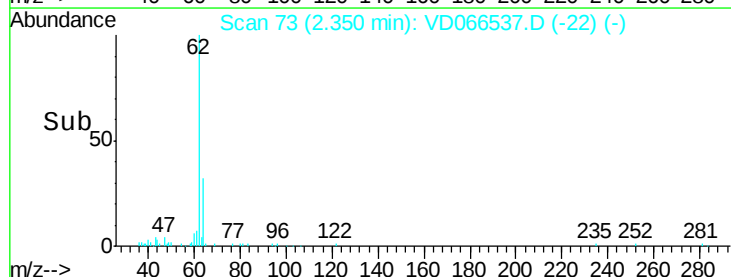
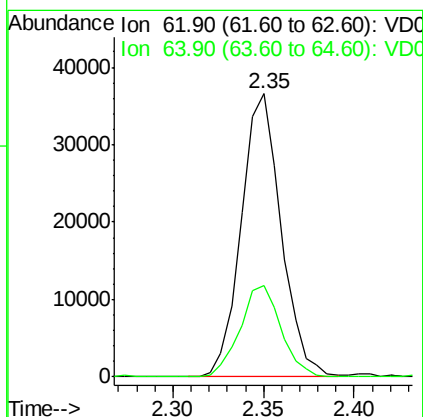
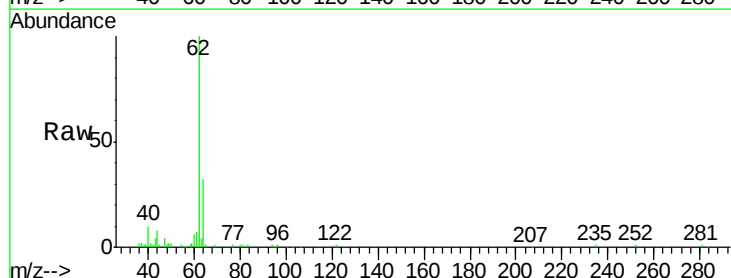
Acq: 03 Sep 2020 15:02

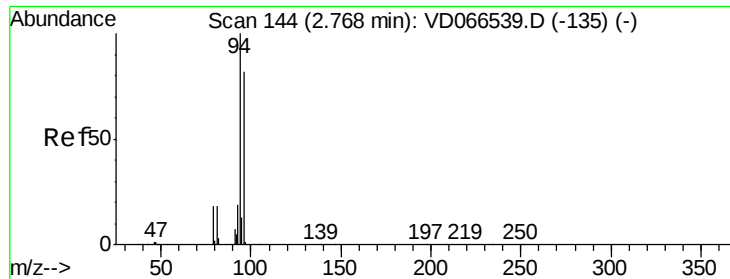
Tgt Ion: 62 Resp: 56034

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 20.532 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

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ClientSampleId :

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Tot Ion: 94 Resp: 41347

Ion Ratio Lower Upper

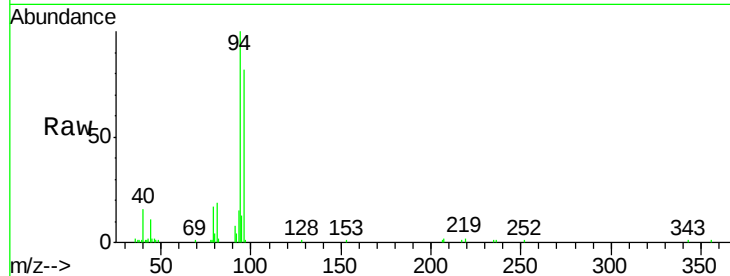
94 100

96 82.3 65.2 97.8

Manual Integrations
APPROVED

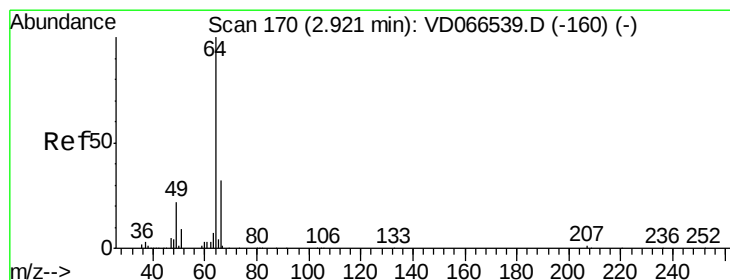
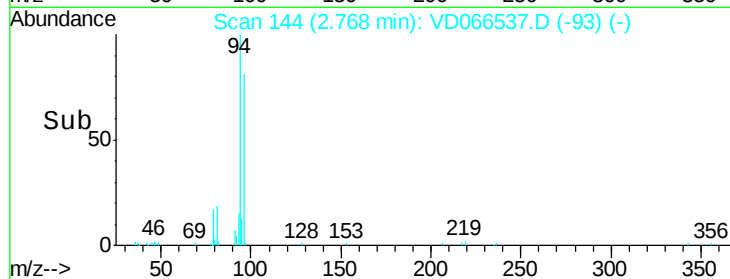
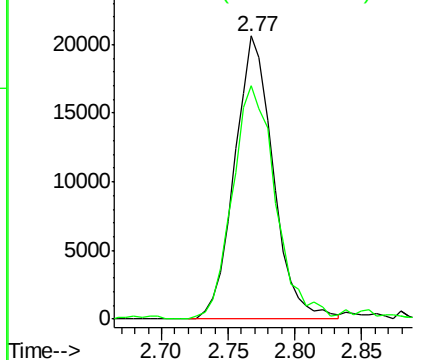
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.689 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066537.D

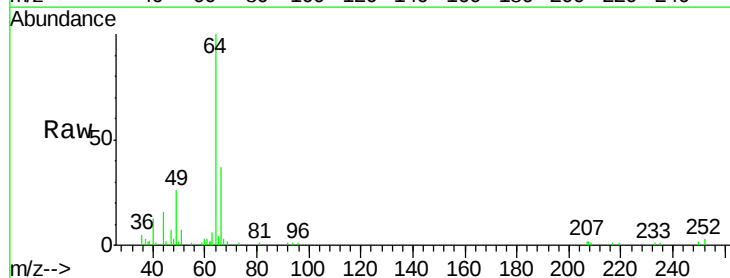
Acq: 03 Sep 2020 15:02

Tgt Ion: 64 Resp: 35075

Ion Ratio Lower Upper

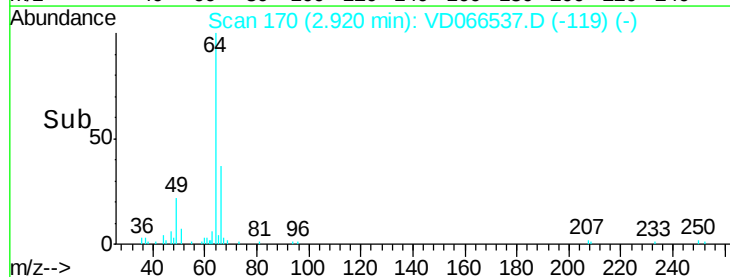
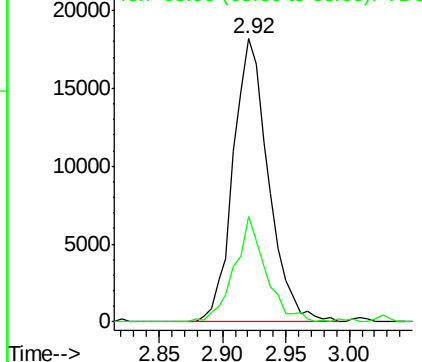
64 100

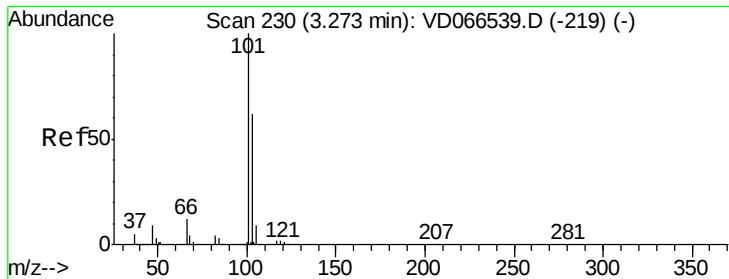
66 37.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

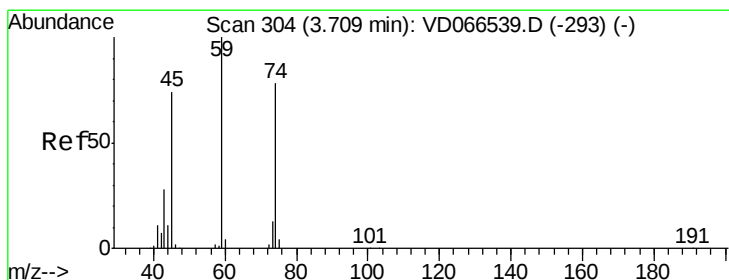
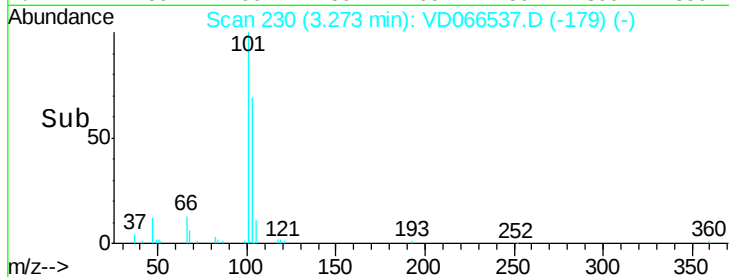
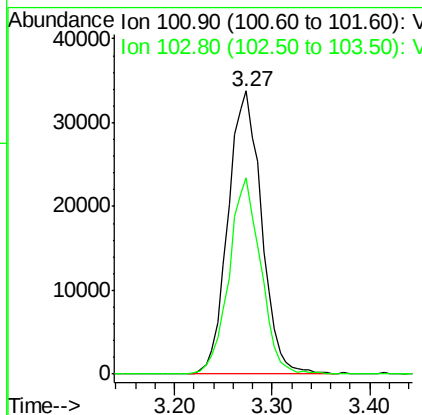
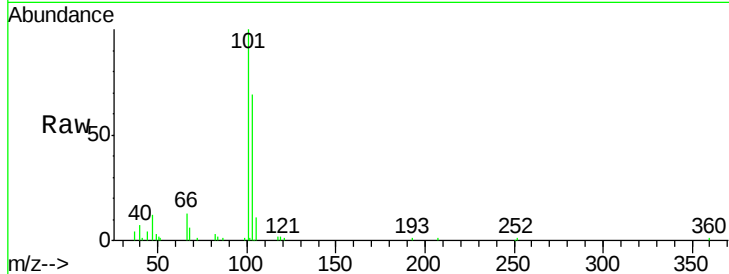
Trichlorofluoromethane
 Concen: 12.194 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066537.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.3	49.7	74.5

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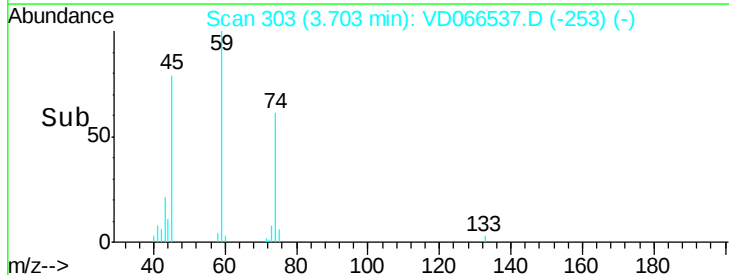
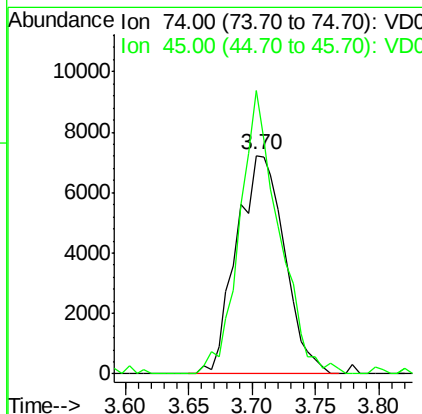
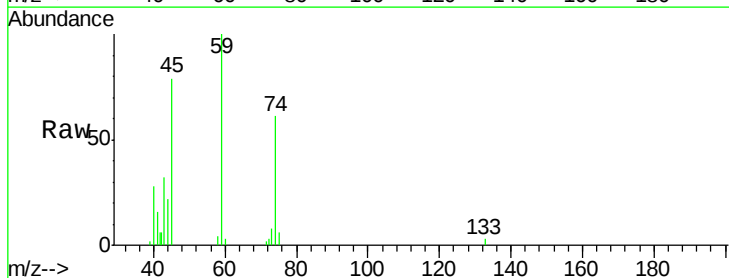
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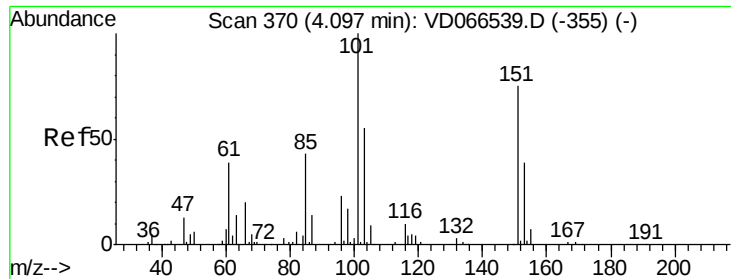


#8

Diethyl Ether
 Concen: 14.316 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.1	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.766 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

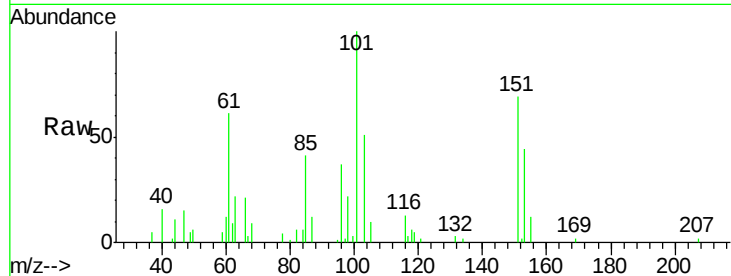
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	42871
Ion Ratio	Lower	Upper	
101	100		
85	46.2	37.0	55.6
151	75.0	59.4	89.2

Manual Integrations
APPROVED

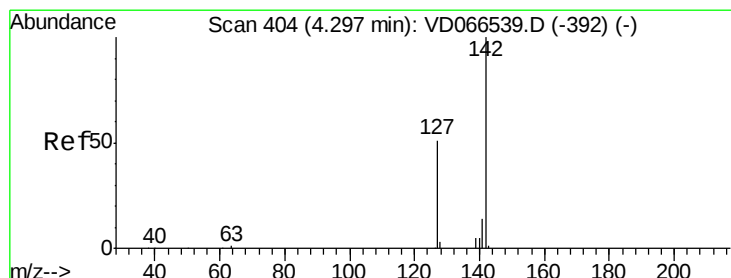
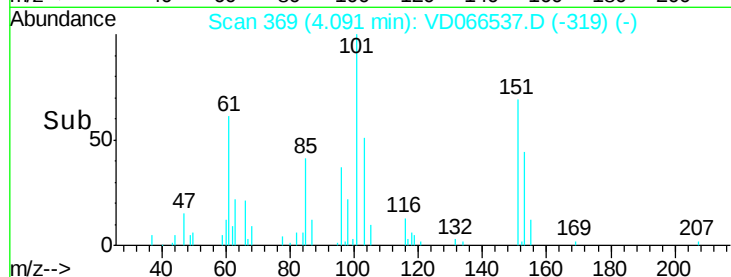
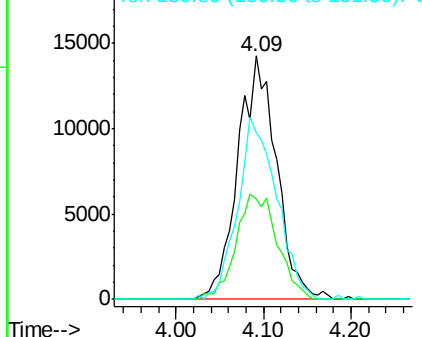
MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.682 ug/l

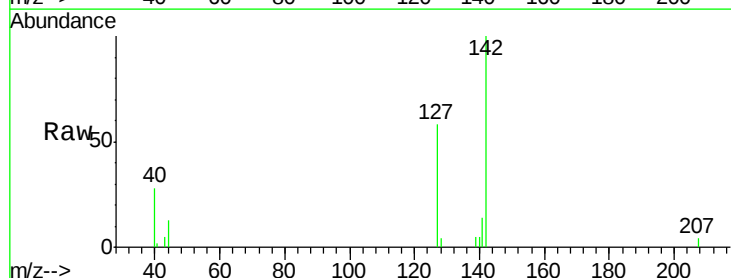
RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

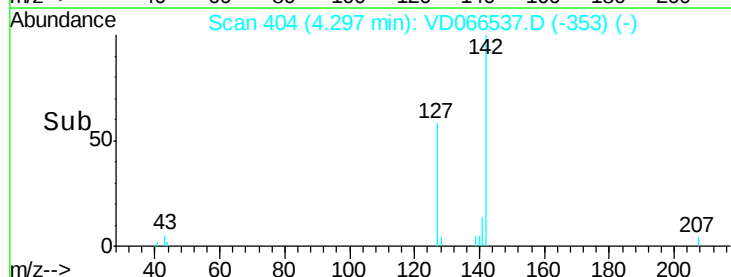
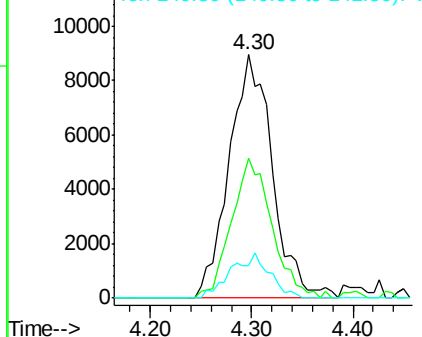
Tgt Ion:	142	Resp:	26449
Ion Ratio	Lower	Upper	
142	100		
127	53.9	40.6	61.0
141	16.7	12.2	18.4

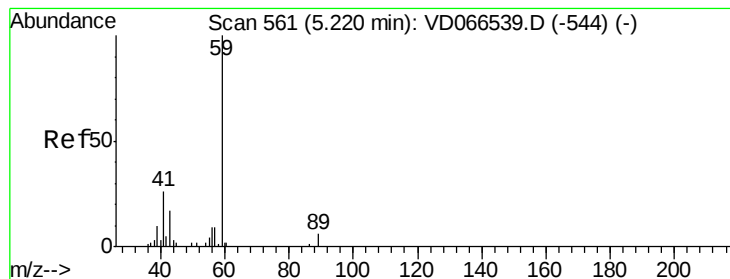


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

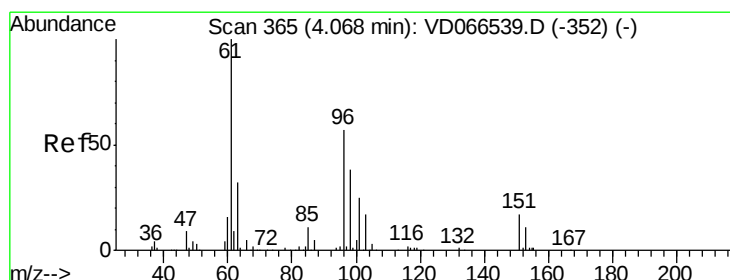
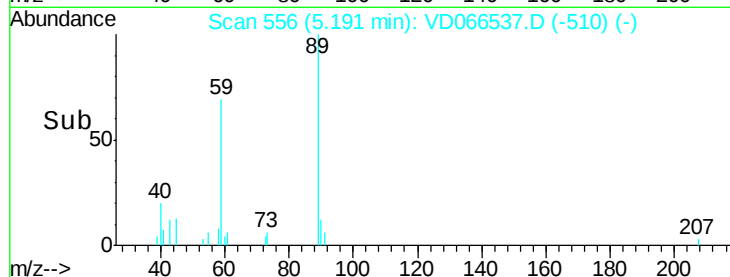
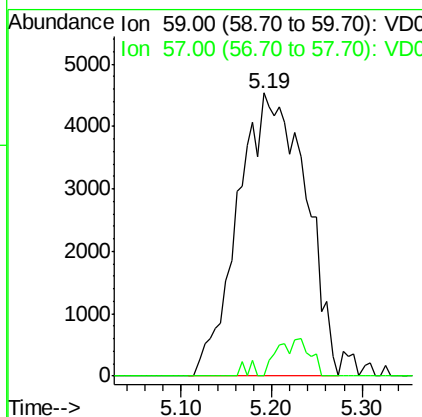
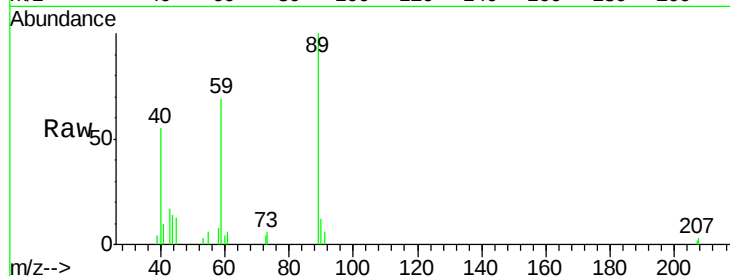
Tert butyl alcohol
 Concen: 86.373 ug/l
 RT: 5.19 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tot Ion: 59 Resp: 23476
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

Manual Integrations
 APPROVED

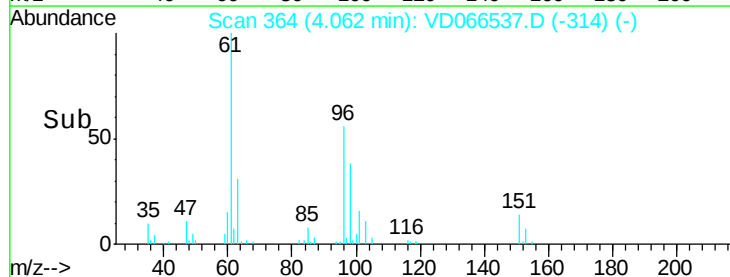
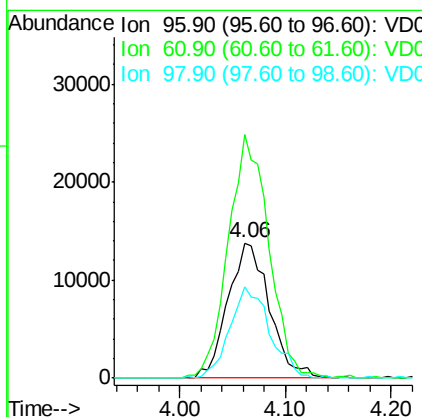
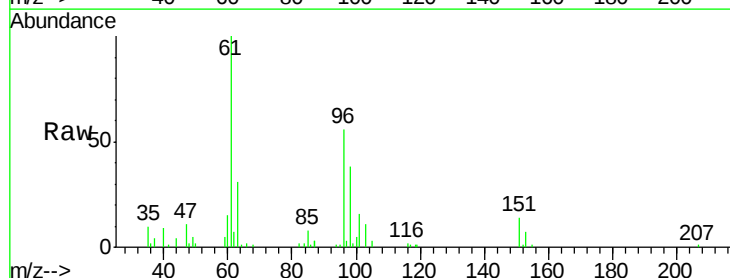
MMDadoda
 9/4/2020 4:54:51 PM

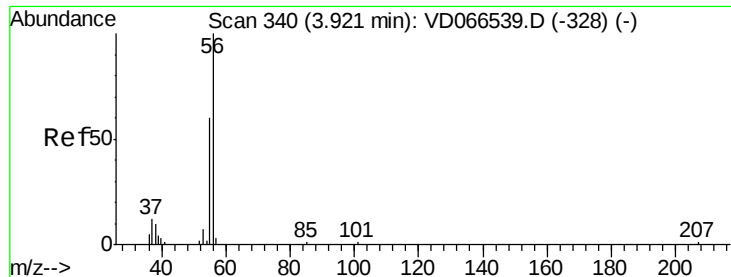


#12

1,1-Dichloroethene
 Concen: 13.969 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Tgt Ion: 96 Resp: 37569
 Ion Ratio Lower Upper
 96 100
 61 178.9 140.9 211.3
 98 67.6 53.2 79.8





#13

Acrolein

Concen: 77.518 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 9713

Ion Ratio Lower Upper

56 100

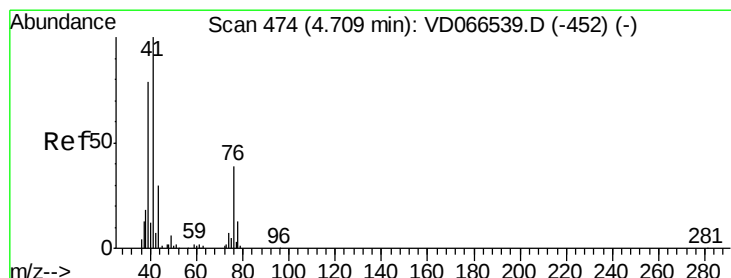
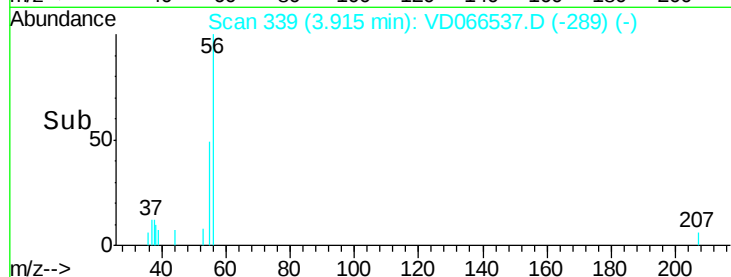
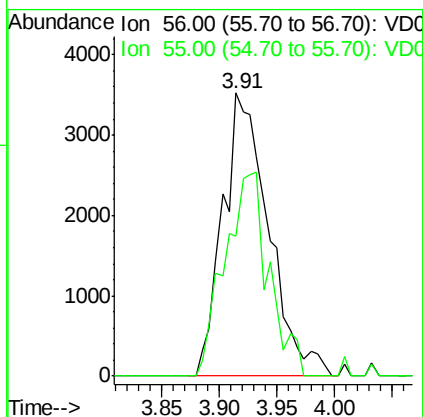
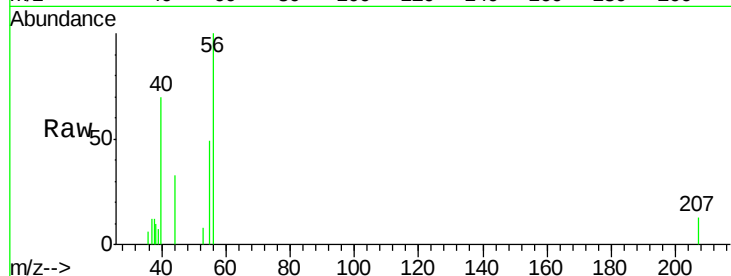
55 69.3 53.6 80.4

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 17.935 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

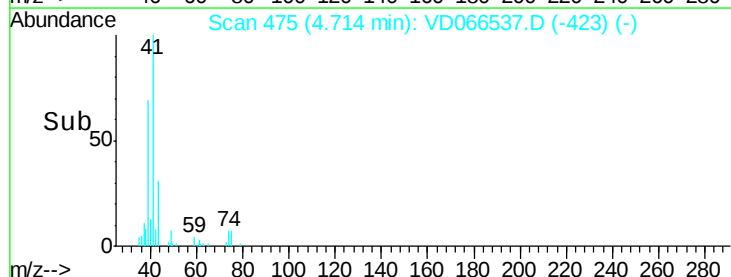
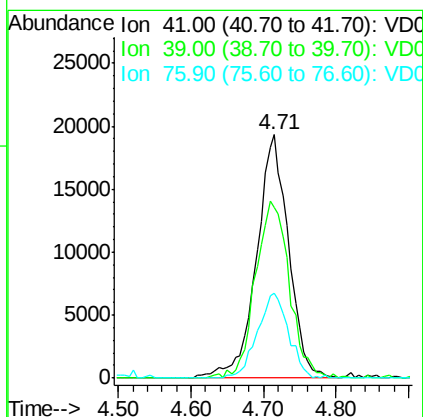
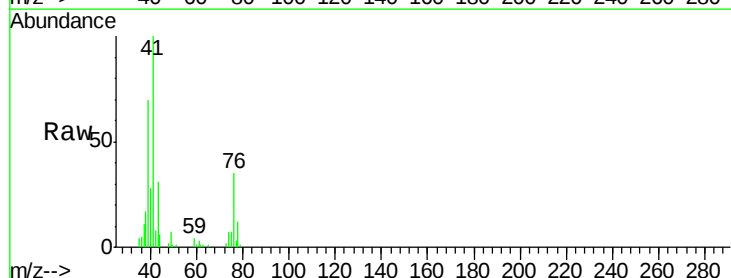
Tgt Ion: 41 Resp: 59220

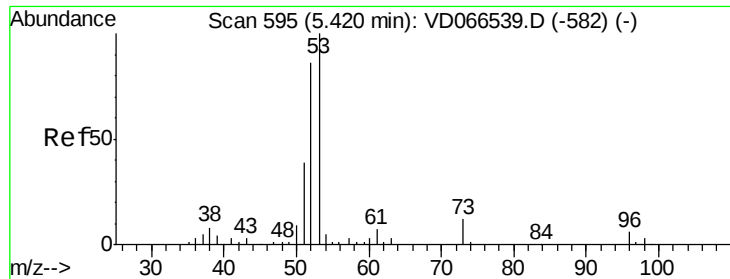
Ion Ratio Lower Upper

41 100

39 76.9 61.9 92.9

76 34.0 29.0 43.6





#15

Acrylonitrile

Concen: 81.634 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

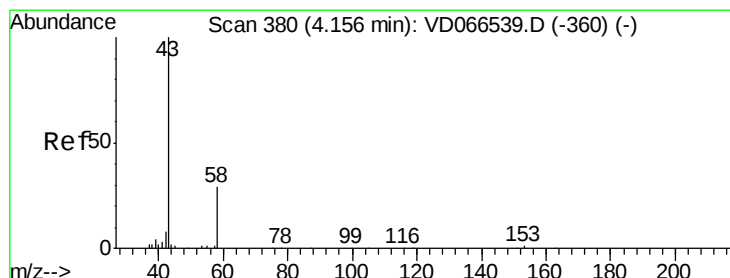
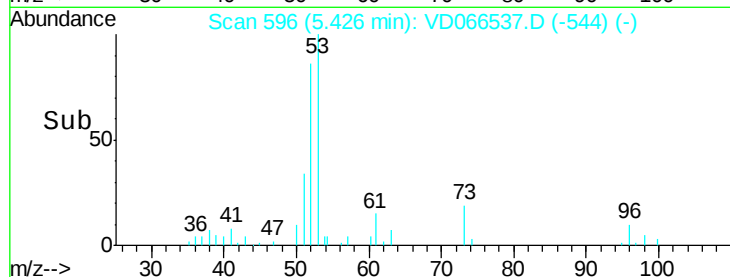
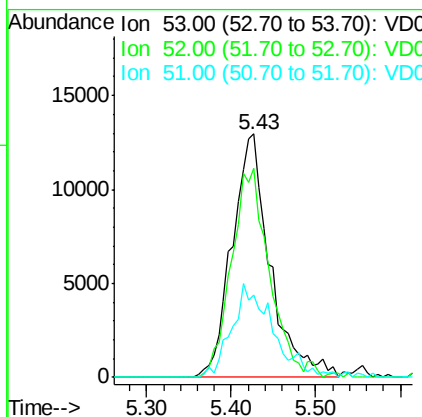
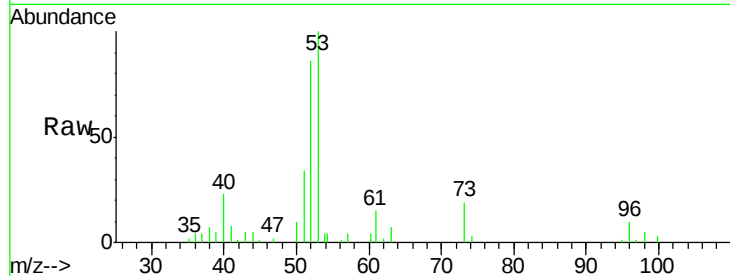
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	40416
Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.4	98.2
51	41.6	31.2	46.8

Manual Integrations
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#16

Acetone

Concen: 76.866 ug/l

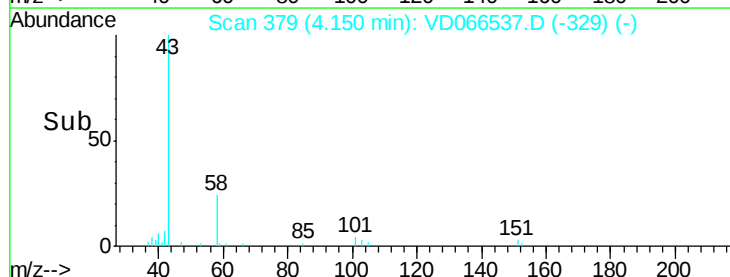
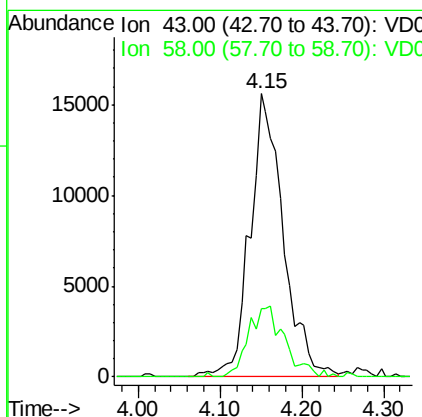
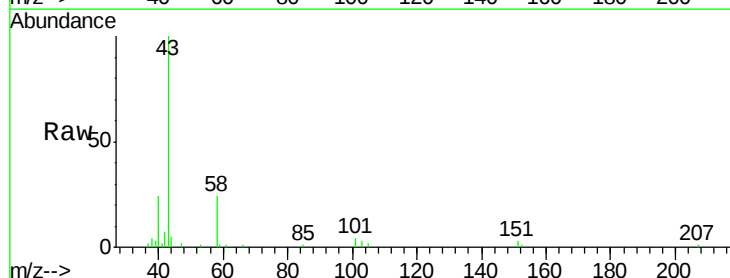
RT: 4.15 min Scan# 379

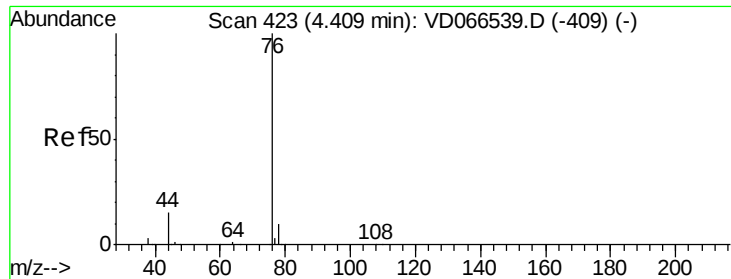
Delta R.T. -0.01 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Tgt Ion:	43	Resp:	44366
Ion	Ratio	Lower	Upper
43	100		
58	24.0	22.9	34.3





#17

Carbon Disulfide

Concen: 15.983 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 128148

Ion Ratio Lower Upper

76 100

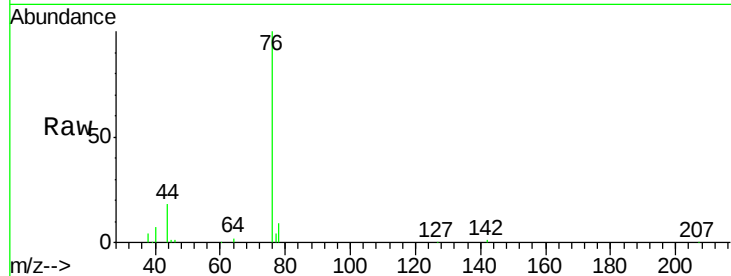
78 9.4 7.6 11.4

Manual Integrations

APPROVED

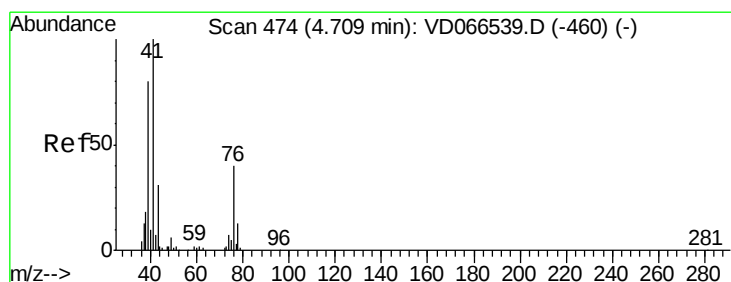
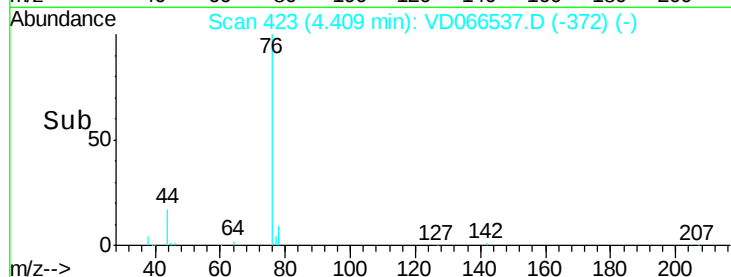
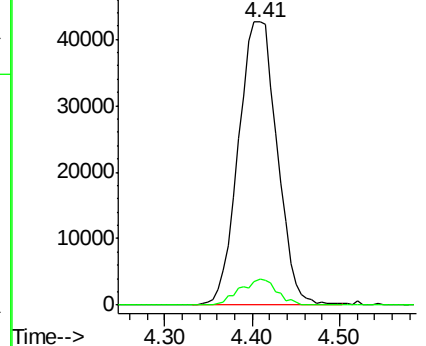
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 17.782 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066537.D

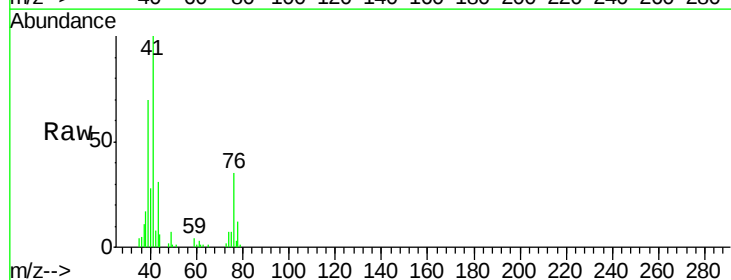
Acq: 03 Sep 2020 15:02

Tgt Ion: 43 Resp: 18083

Ion Ratio Lower Upper

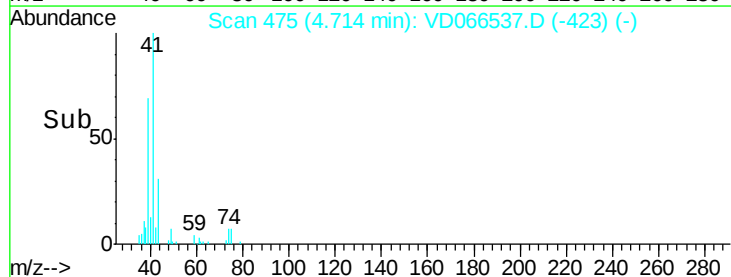
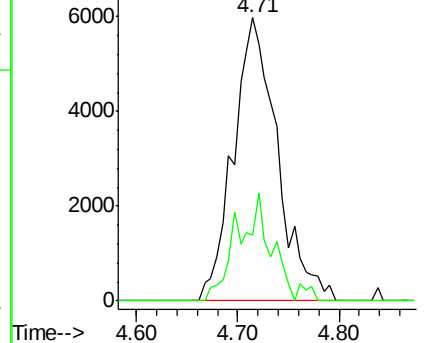
43 100

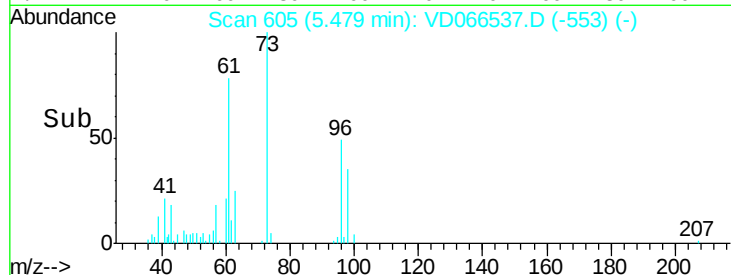
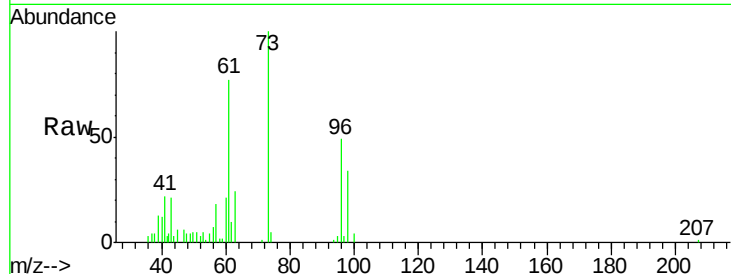
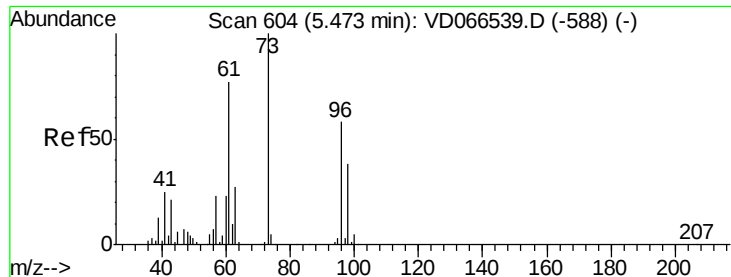
74 13.5 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





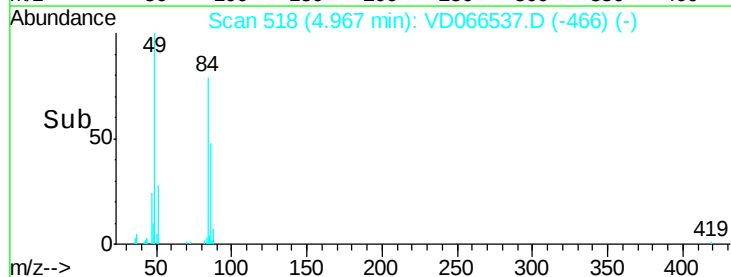
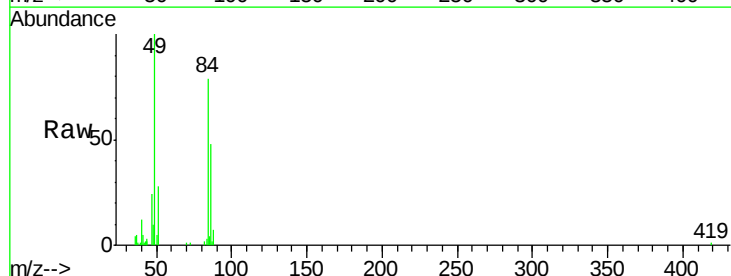
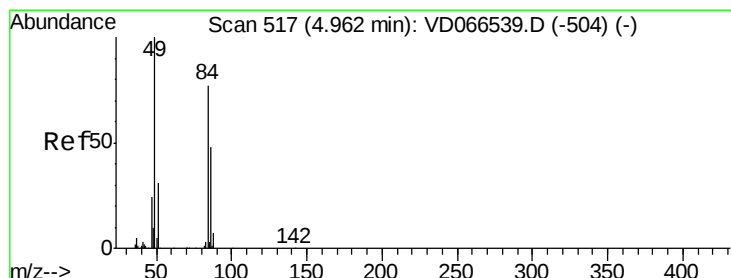
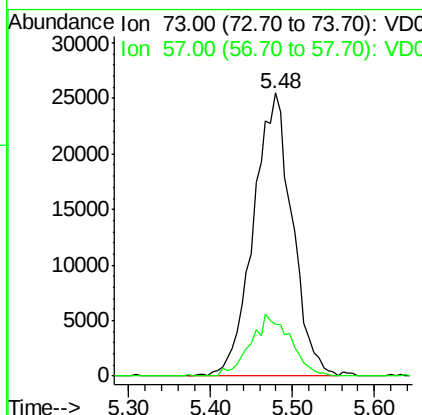
#19
Methyl tert-butyl Ether
Concen: 12.136 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tot Ion: 73 Resp: 84057
Ion Ratio Lower Upper
73 100
57 18.2 18.3 27.5#

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

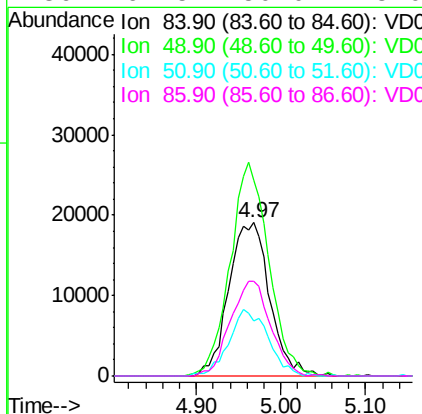
Manual Integrations
APPROVED

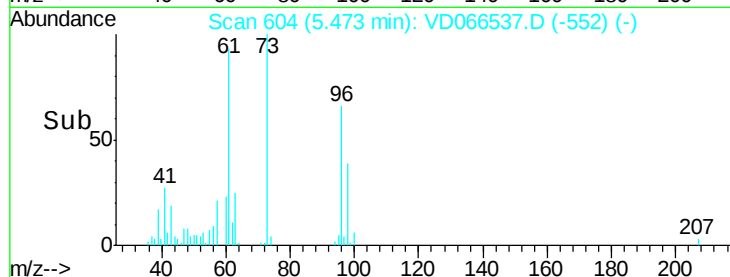
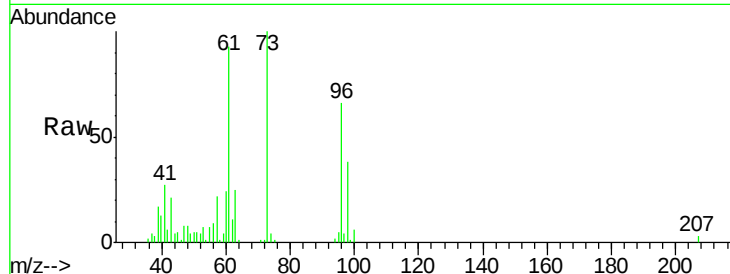
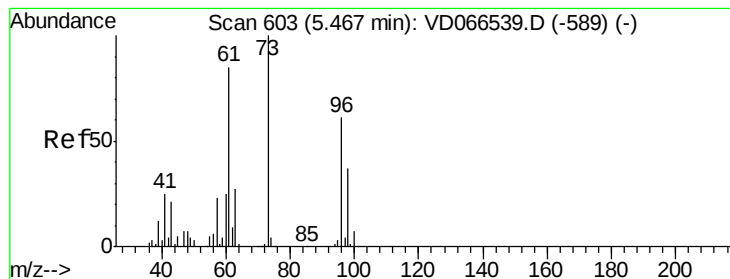
MMDadoda
9/4/2020 4:54:51 PM



#20
Methylene Chloride
Concen: 18.584 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion: 84 Resp: 63797
Ion Ratio Lower Upper
84 100
49 127.4 104.3 156.5
51 36.1 32.2 48.4
86 61.5 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 14.261 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Tot Ion:	96	Resp:	44587
Ion	Ratio	Lower	Upper
96	100		
61	141.0	112.1	168.1
98	58.4	48.6	72.8

Instrument :

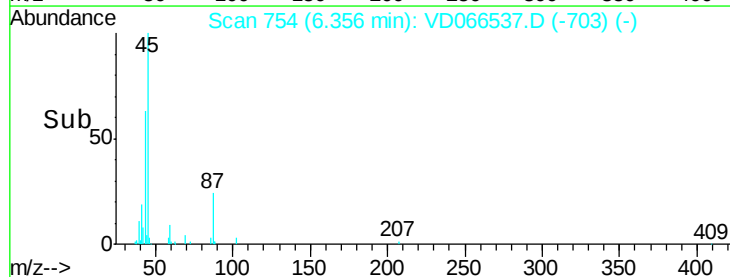
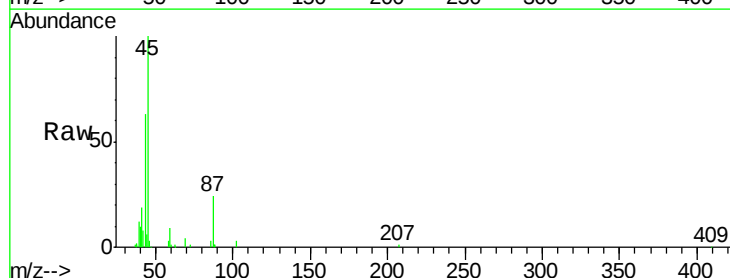
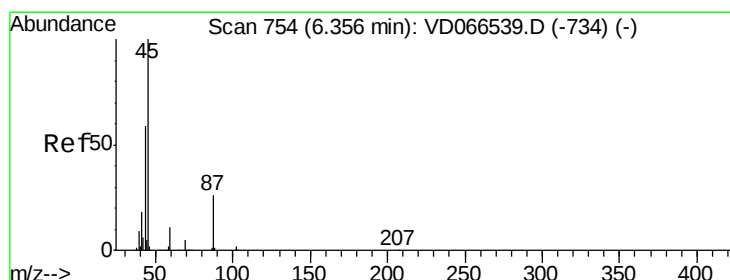
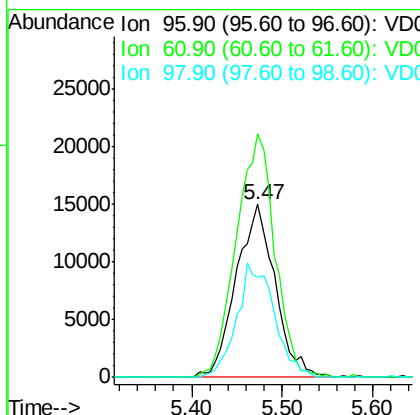
MSVOA_D

ClientSampleId :

VSTDIC010

Manual Integrations
APPROVED

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9/4/2020 4:54:51 PM



#22

Diisopropyl ether

Concen: 18.383 ug/l

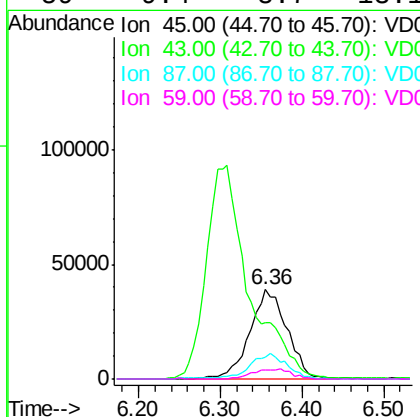
RT: 6.36 min Scan# 754

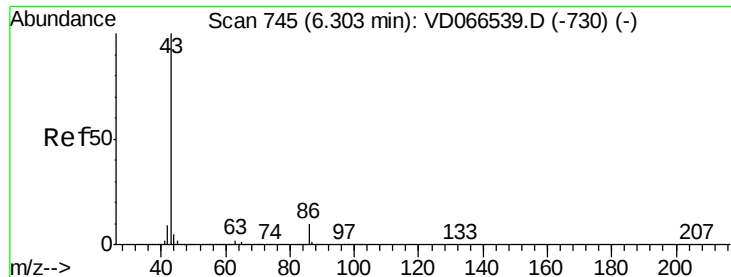
Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Tgt Ion:	45	Resp:	123923
Ion	Ratio	Lower	Upper
45	100		
43	61.7	47.0	70.4
87	24.0	21.3	31.9
59	9.4	8.7	13.1





#23

Vinyl Acetate

Concen: 80.509 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 339585

Ion Ratio Lower Upper

43 100

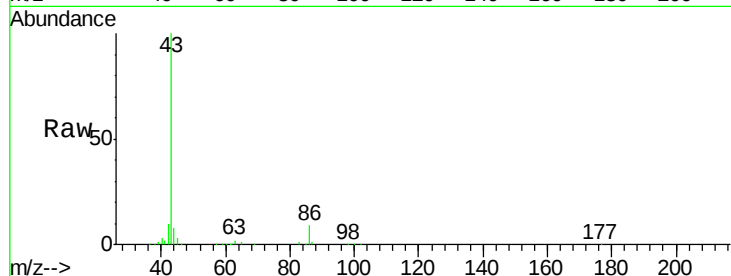
86 8.7 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

9/4/2020 4:54:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

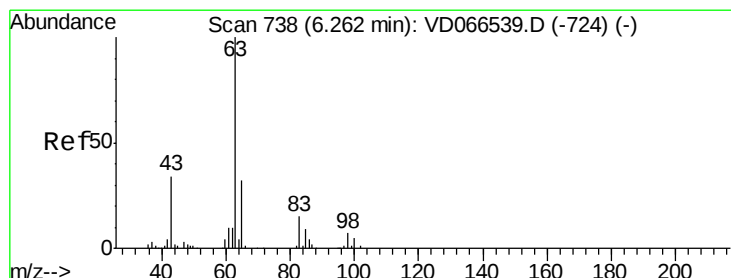
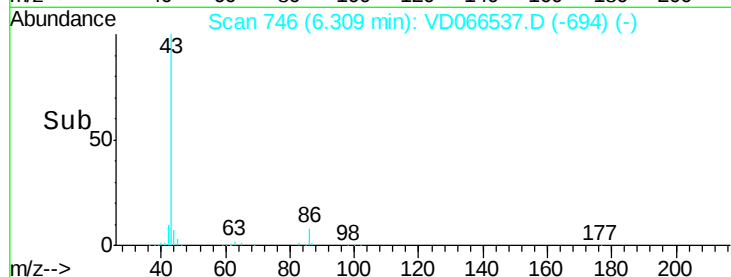
60000

40000

20000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 16.103 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

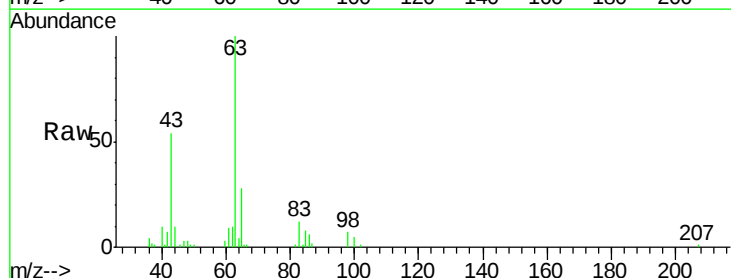
Tgt Ion: 63 Resp: 79874

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 5.2 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

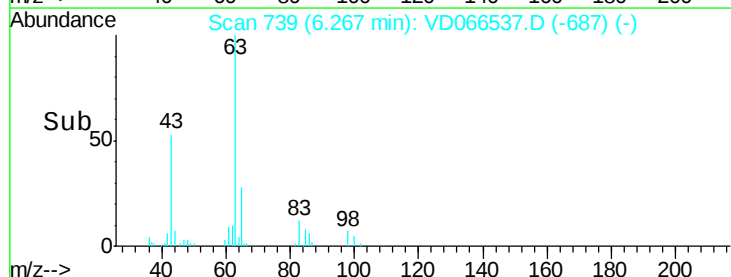
30000

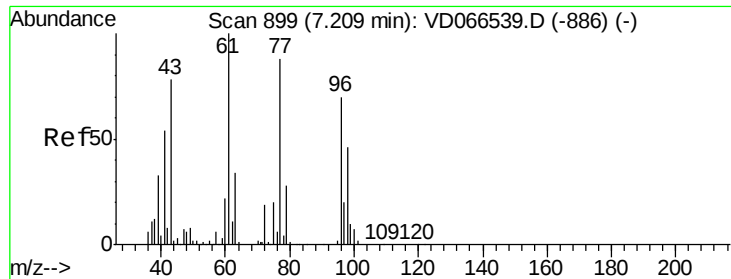
20000

10000

0

Time--> 6.20 6.30





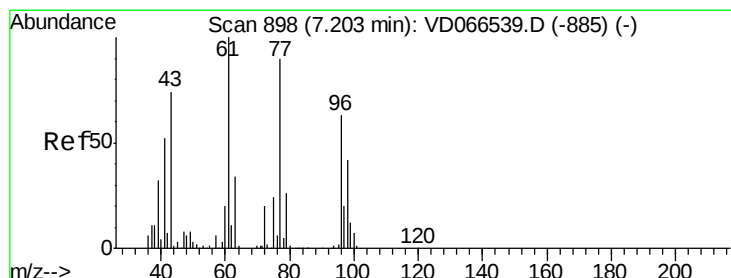
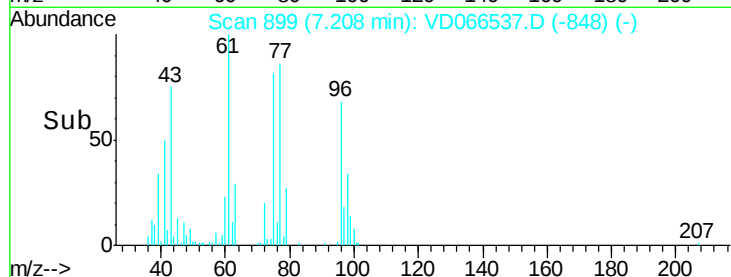
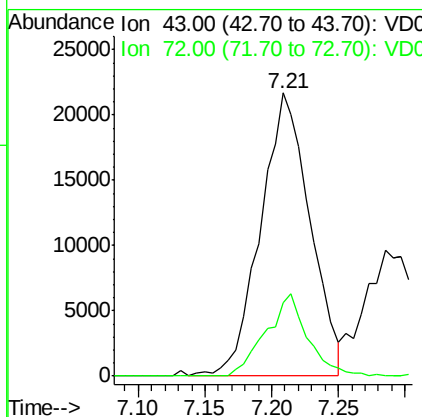
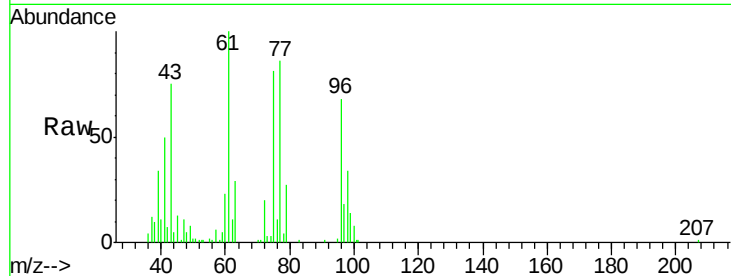
#25
2-Butanone
Concen: 87.495 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	43	Resp	55806
Ion Ratio	100	Lower	Upper
72	26.2	19.8	29.6

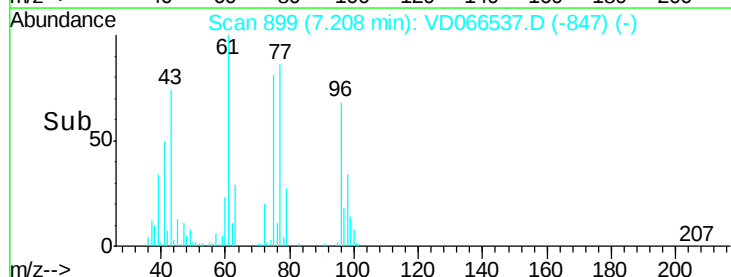
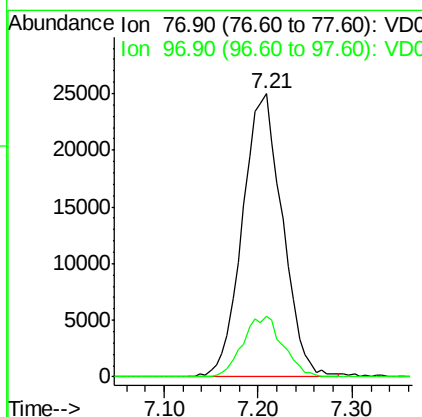
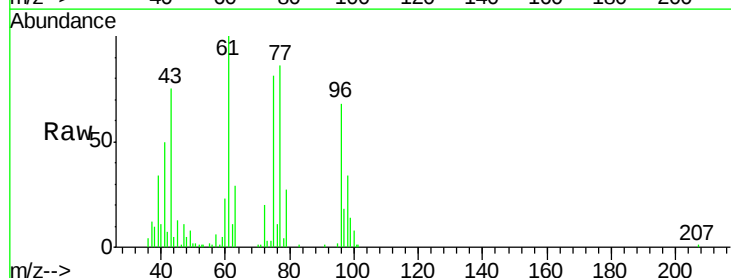
Manual Integrations
APPROVED

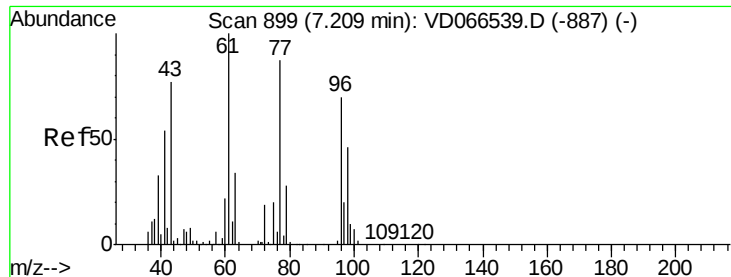
MMDadoda
9/4/2020 4:54:51 PM



#26
2,2-Dichloropropane
Concen: 12.611 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.01 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion	77	Resp	73632
Ion Ratio	100	Lower	Upper
97	21.2	10.8	32.3





#27

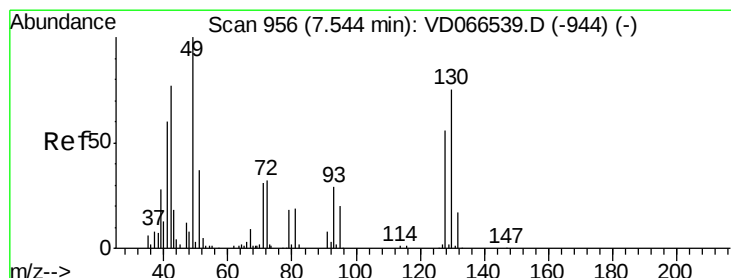
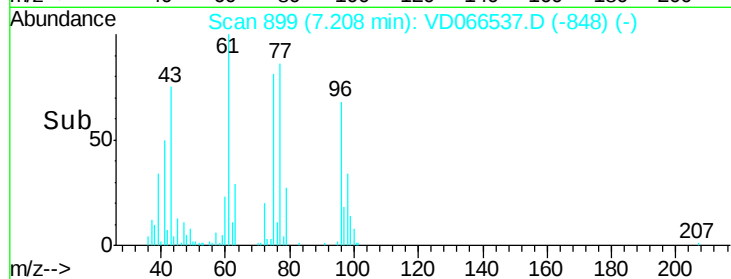
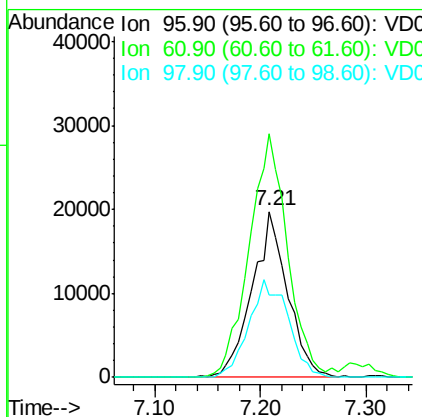
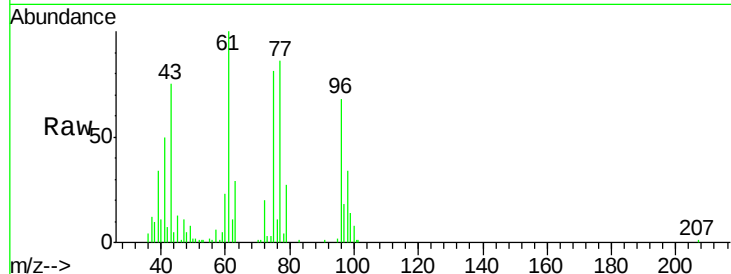
cis-1,2-Dichloroethene
 Concen: 13.643 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	301.0
98	65.3	0.0	129.8

Manual Integrations
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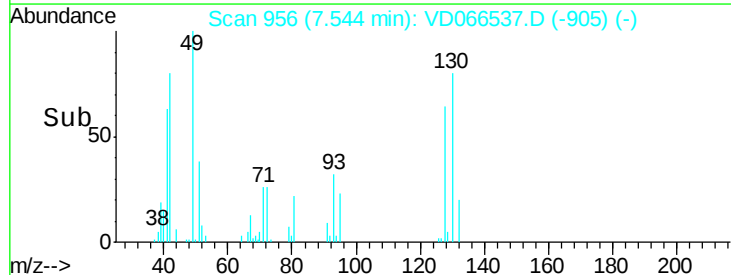
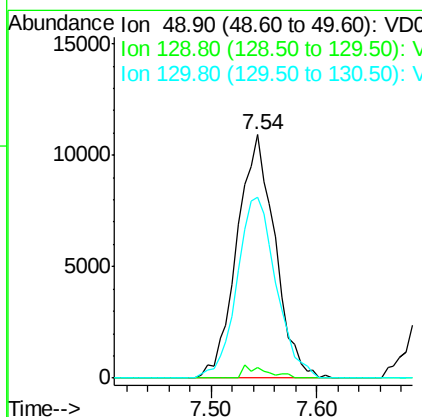
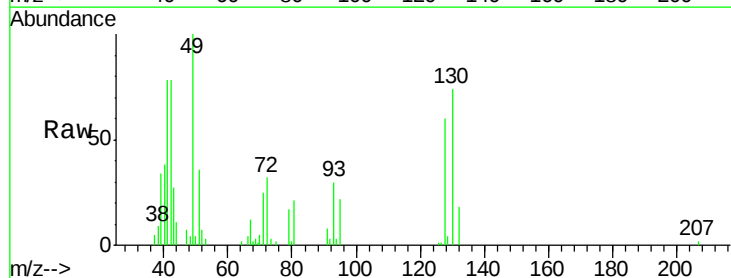
MMDadoda
 9/4/2020 4:54:51 PM

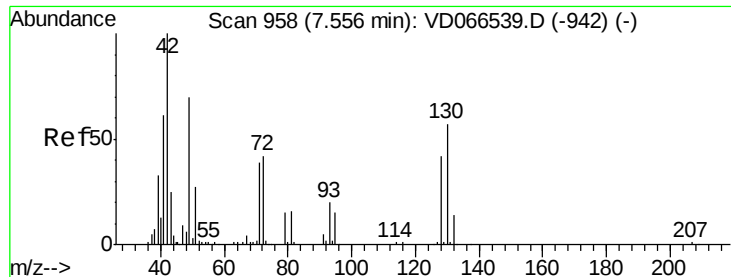


#28

Bromochloromethane
 Concen: 17.543 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	2.6#
130	76.7	58.2	87.2





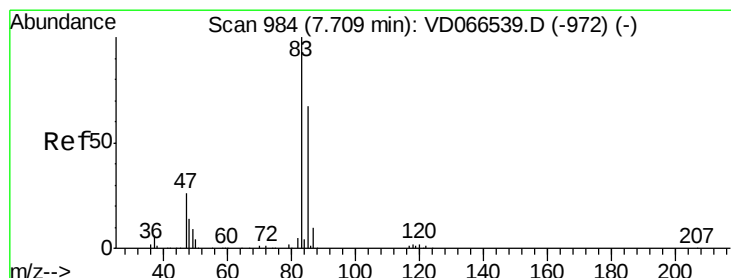
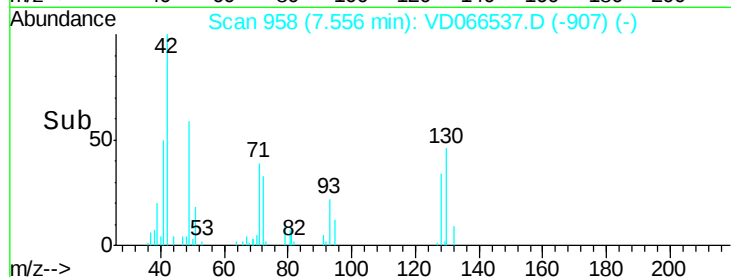
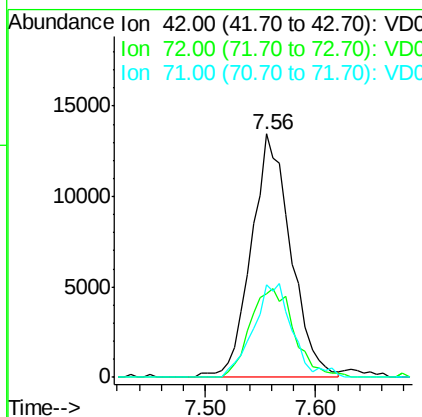
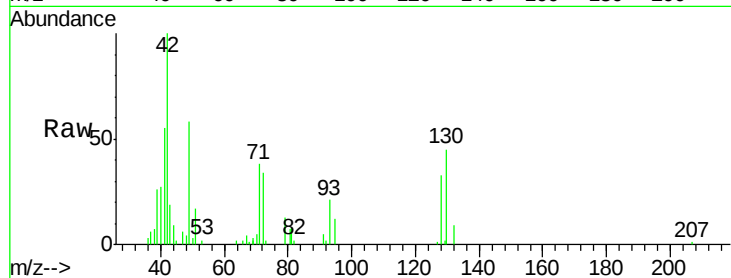
#29
Tetrahydrofuran
Concen: 97.253 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	33.4	50.0
71	38.2	31.9	47.9

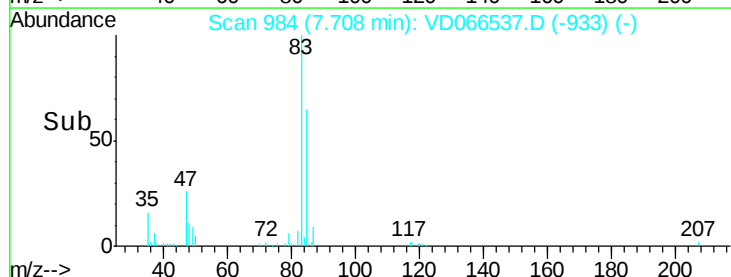
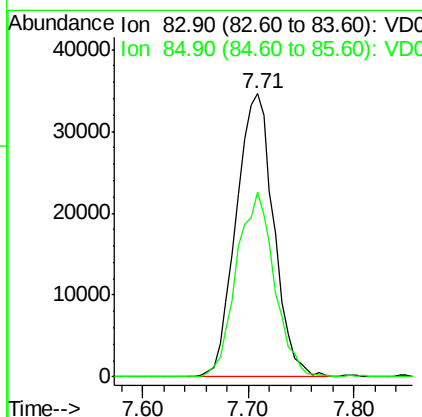
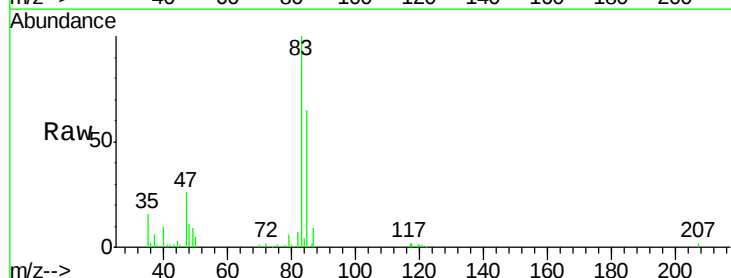
Manual Integrations
APPROVED

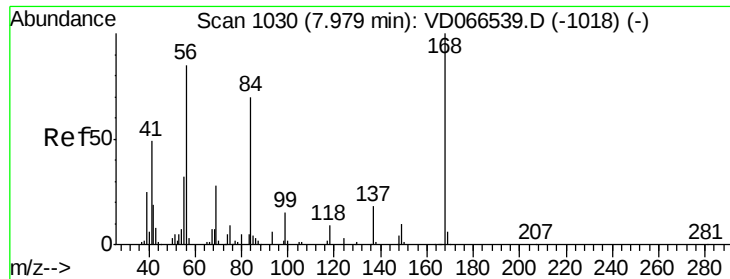
MMDadoda
9/4/2020 4:54:51 PM



#30
Chloroform
Concen: 14.009 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.6	80.4





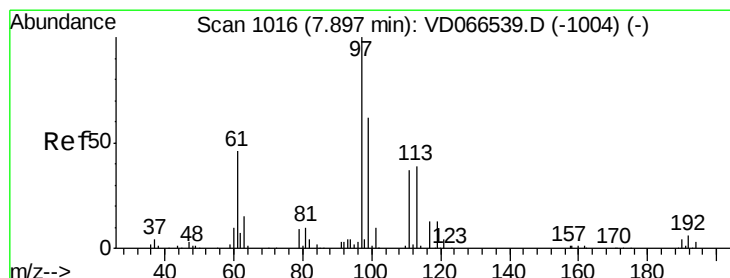
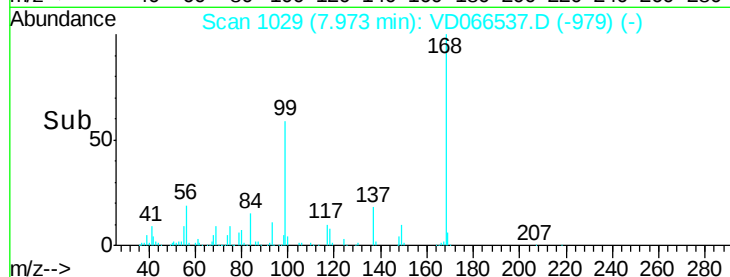
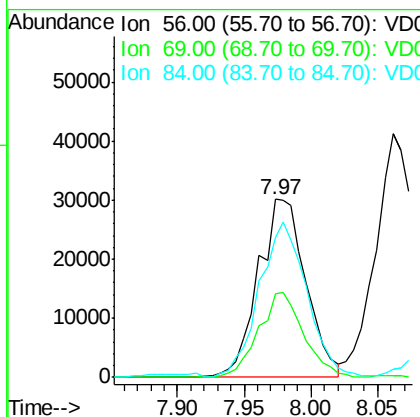
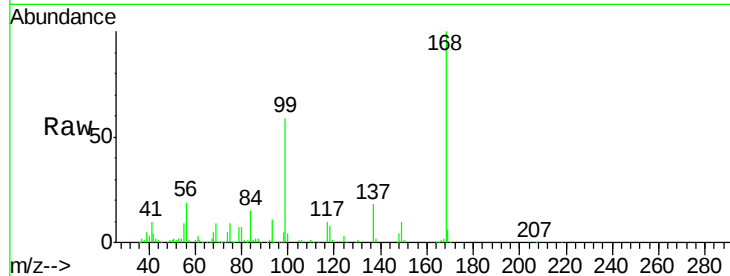
#31
Cyclohexane
Concen: 16.957 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	46.8	26.3	39.5#	
84	76.8	66.1	99.1	

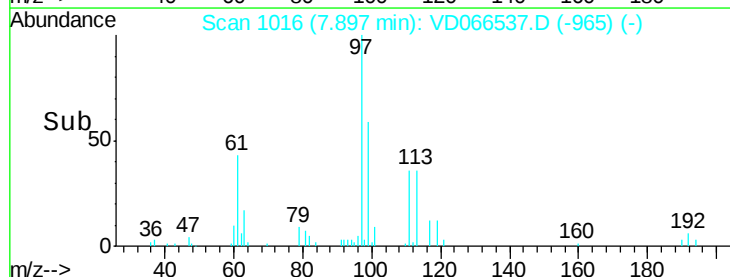
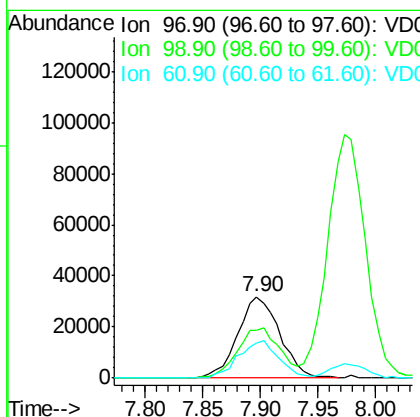
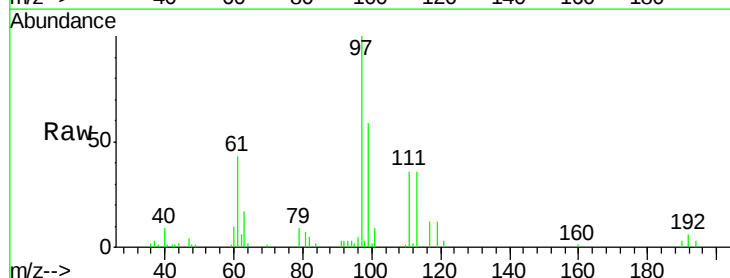
Manual Integrations
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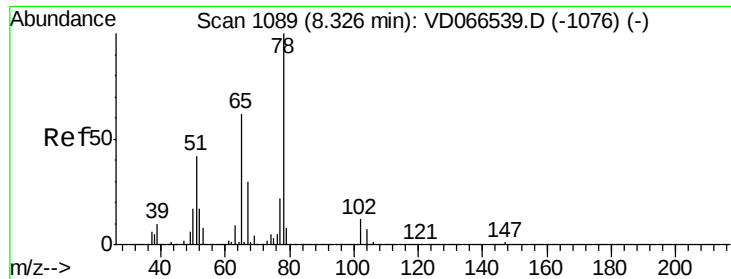
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 12.298 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	62.4	51.4	77.0	
61	44.0	37.4	56.0	





#33

1,2-Dichloroethane-d4

Concen: 11.692 ug/l

RT: 8.32 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 43195

Ion Ratio Lower Upper

65 100

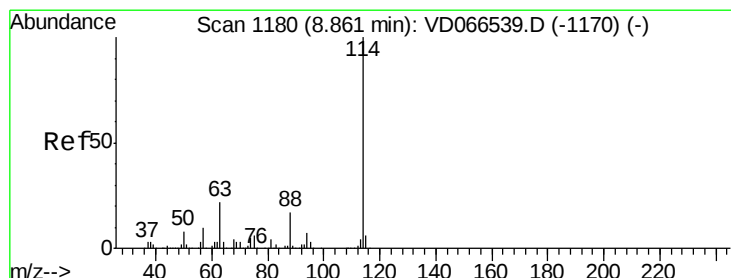
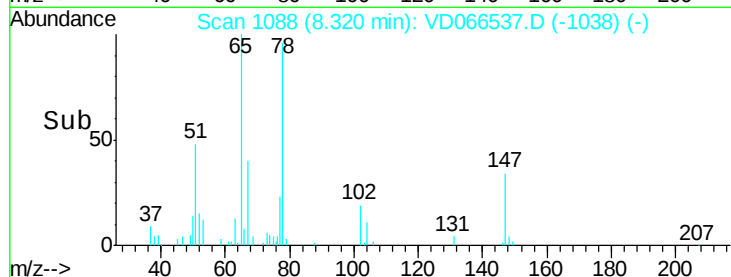
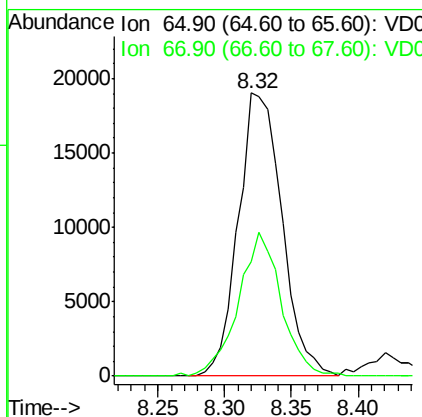
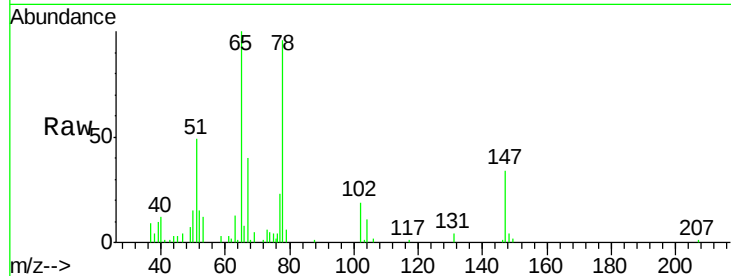
67 50.0 0.0 102.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

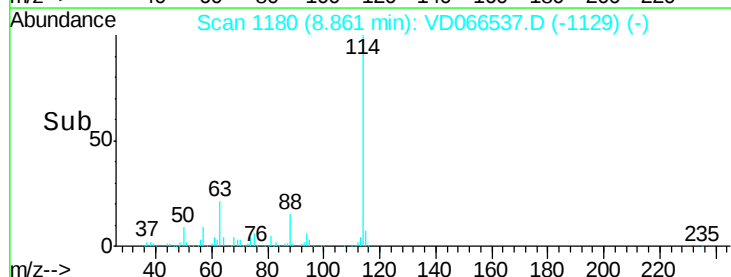
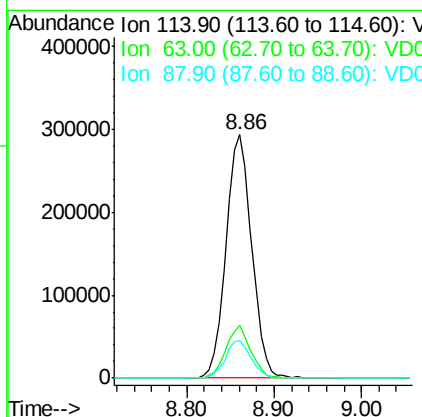
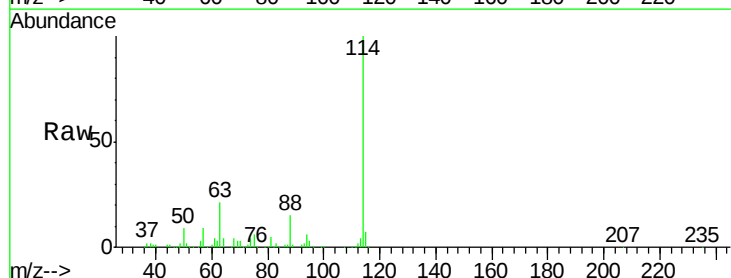
Tgt Ion: 114 Resp: 589454

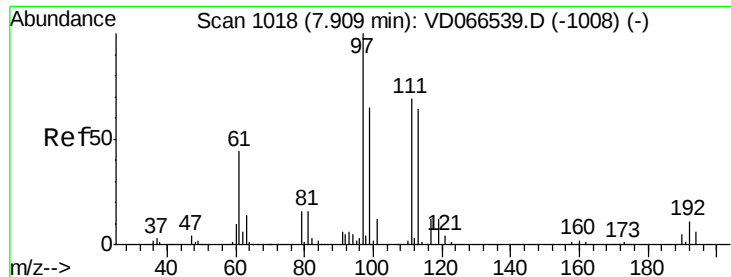
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

88 15.5 0.0 33.2





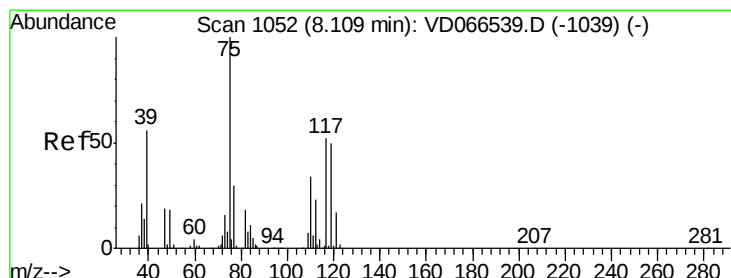
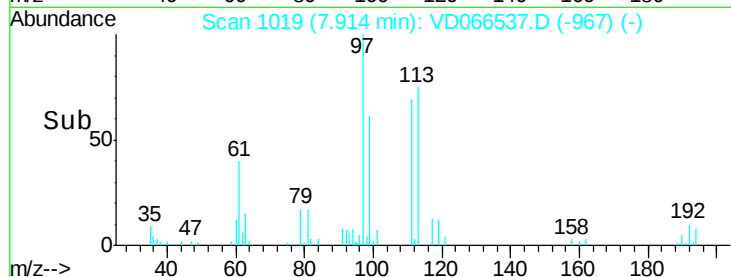
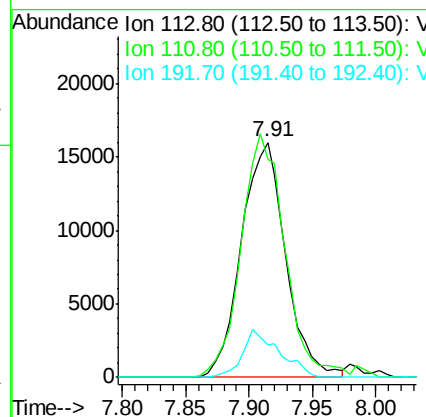
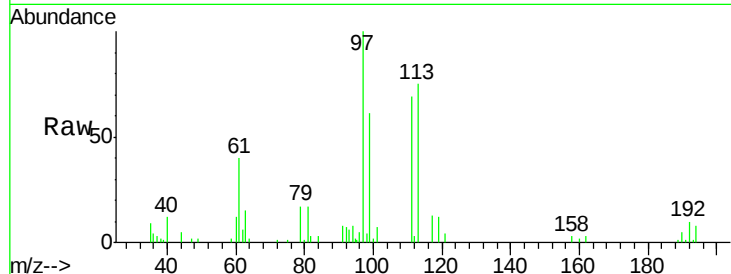
#35
 Dibromofluoromethane
 Concen: 11.005 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.2	124.8
192	17.1	13.7	20.5

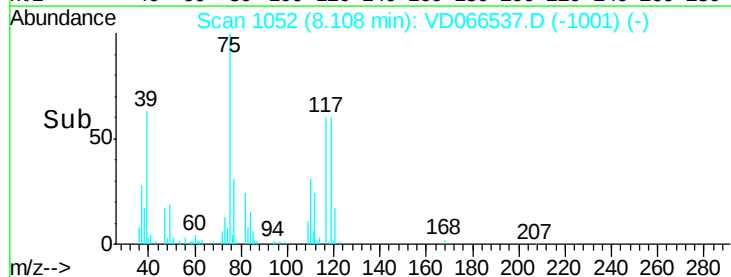
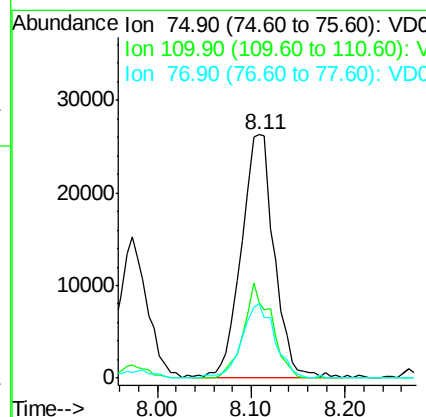
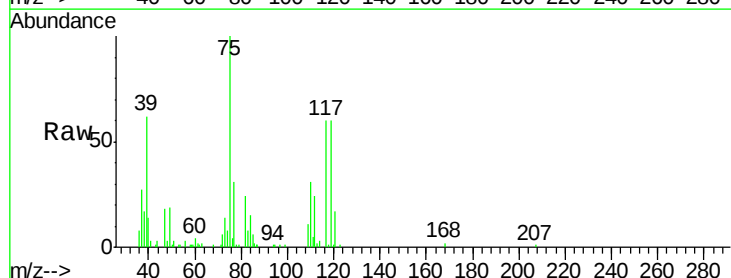
Manual Integrations
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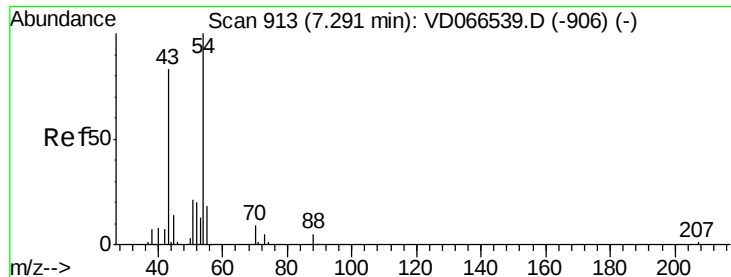
MMDadoda
 9/4/2020 4:54:51 PM



#36
 1,1-Dichloropropene
 Concen: 12.160 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.8	17.3	52.0
77	30.4	25.1	37.7





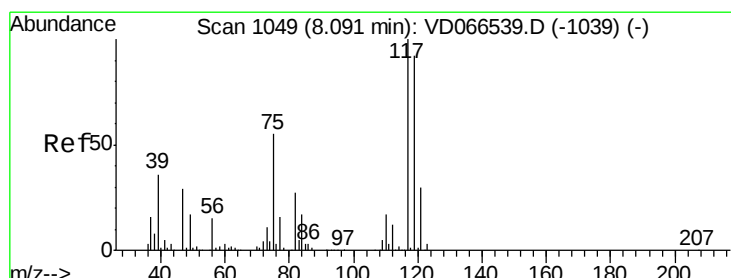
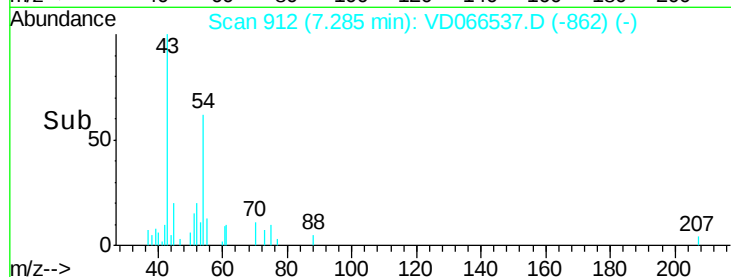
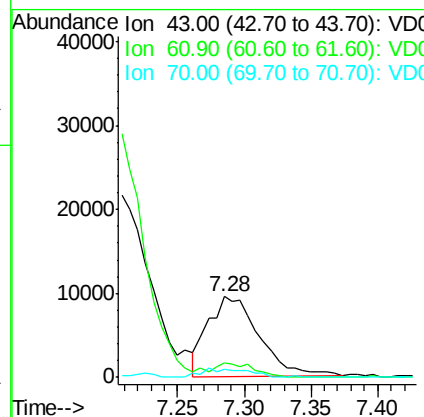
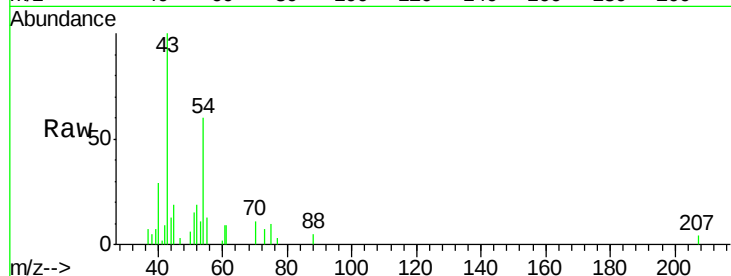
#37
Ethyl Acetate
Concen: 15.073 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:	43	Resp:	25604
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.8	17.8
70	10.0	7.9	11.9

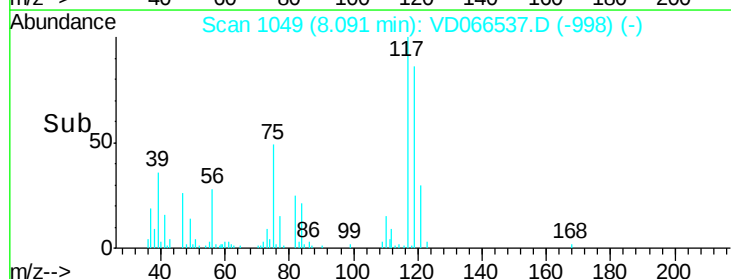
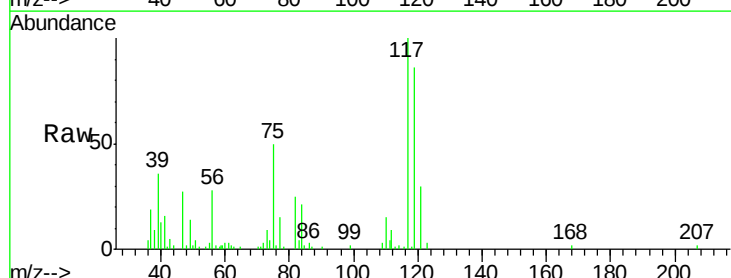
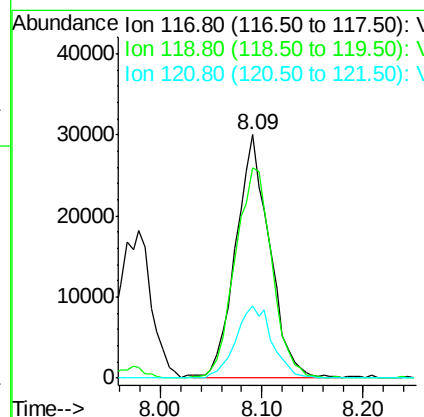
Manual Integrations
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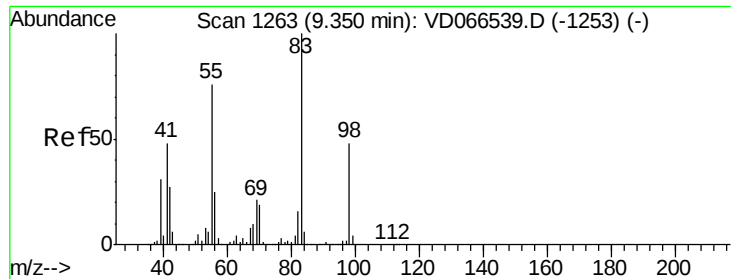
MMDadoda
9/4/2020 4:54:51 PM



#38
Carbon Tetrachloride
Concen: 9.164 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion:	117	Resp:	69246
Ion	Ratio	Lower	Upper
117	100		
119	86.5	73.9	110.9
121	29.7	24.1	36.1





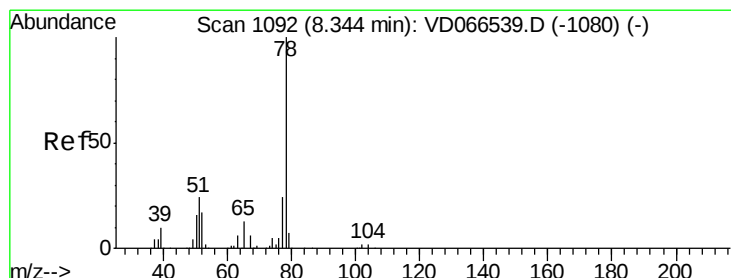
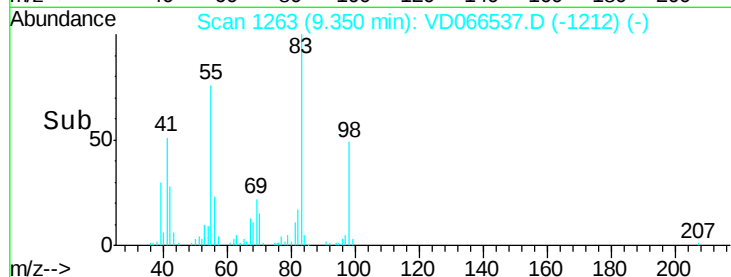
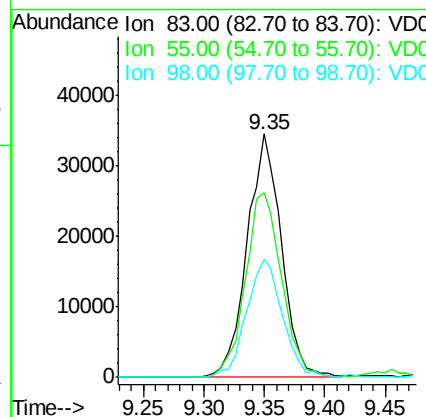
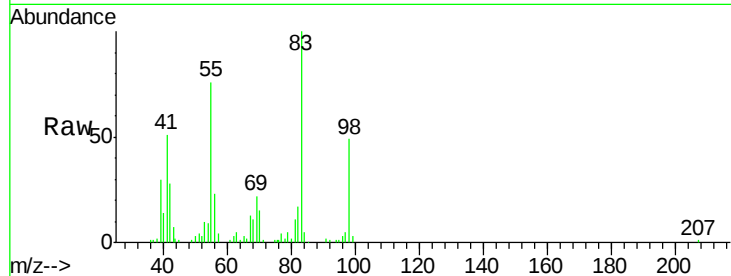
#39
Methvlcvclohexane
Concen: 11.044 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	60.8	91.2
98	48.6	38.6	58.0

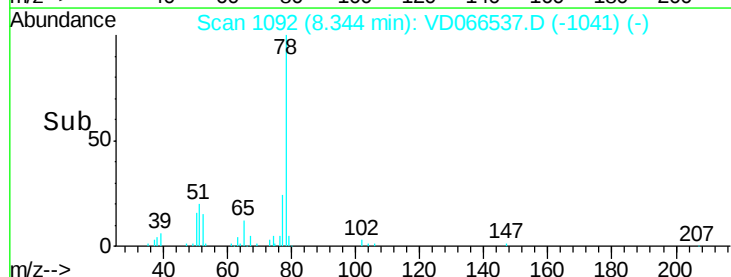
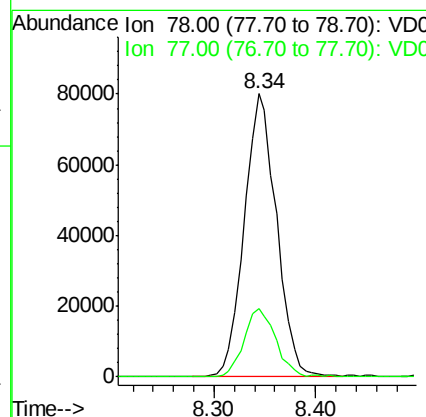
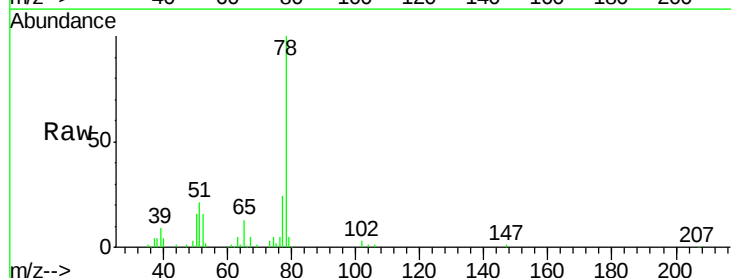
Manual Integrations
APPROVED

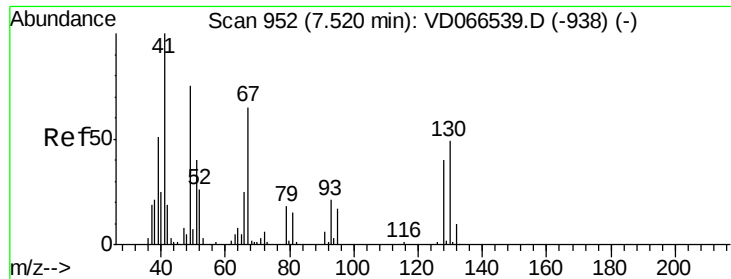
MMDadoda
9/4/2020 4:54:51 PM



#40
Benzene
Concen: 12.845 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





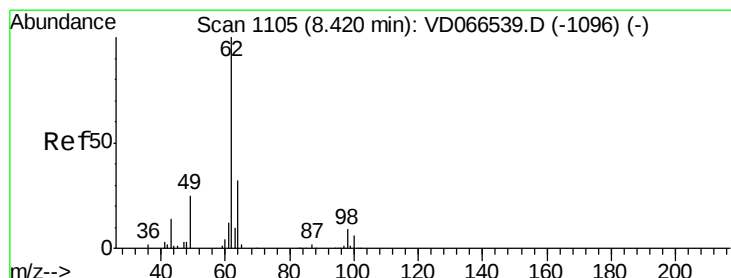
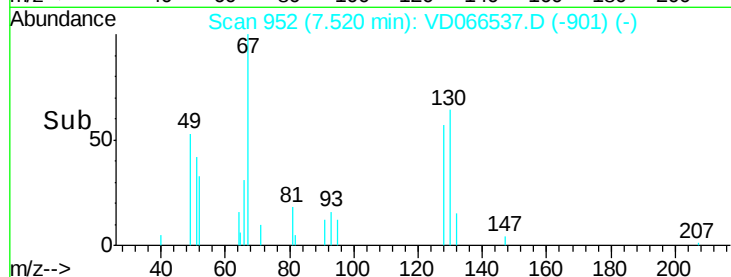
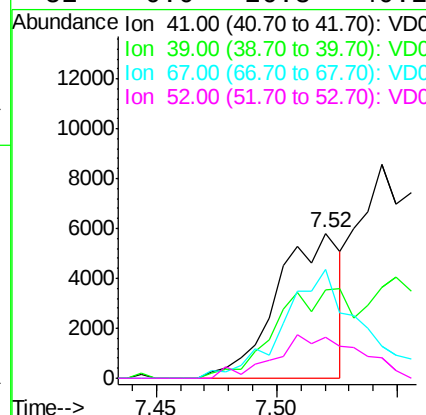
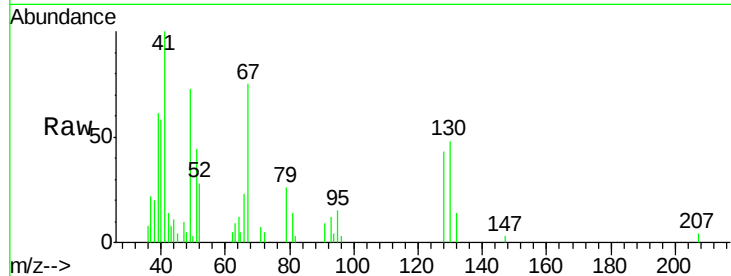
#41
Methacrylonitrile
Concen: 11.937 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	112.4	53.6	80.4#
67	0.0	59.2	88.8#
52	0.0	26.8	40.2#

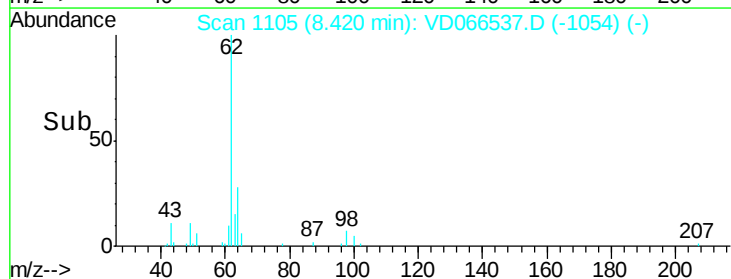
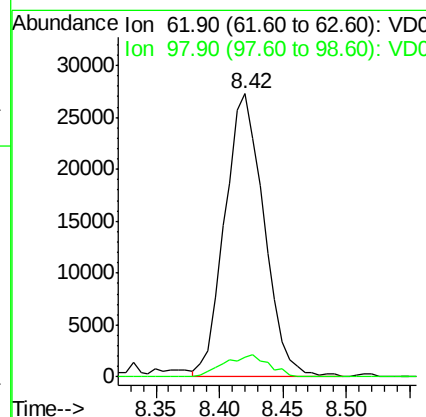
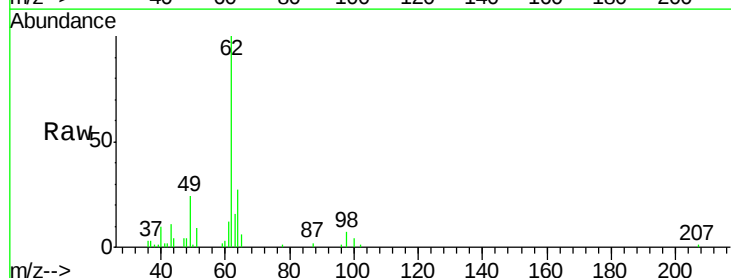
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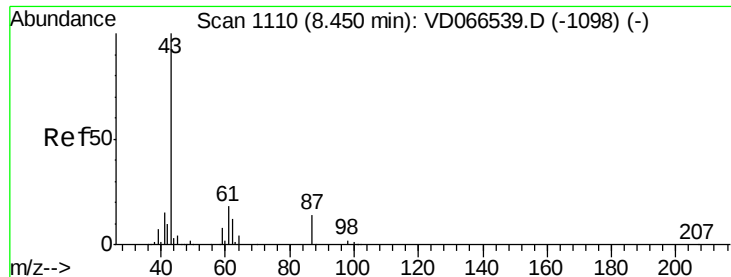
MMDadoda
9/4/2020 4:54:51 PM



#42
1,2-Dichloroethane
Concen: 10.567 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 13.965 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

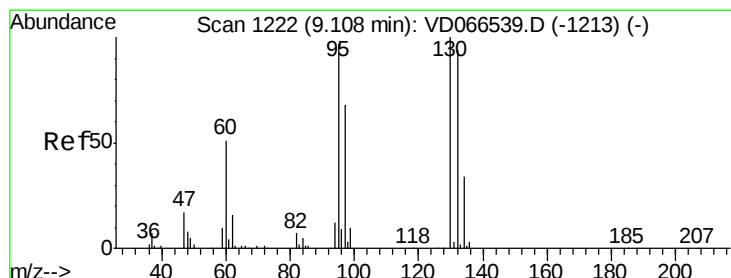
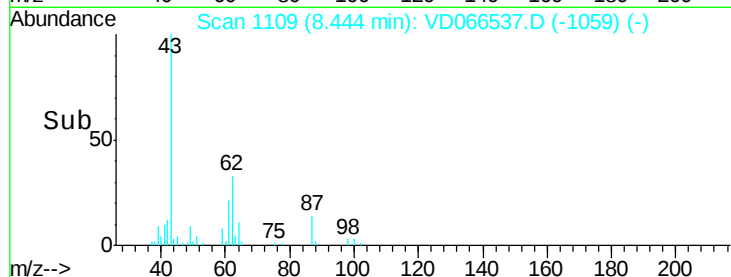
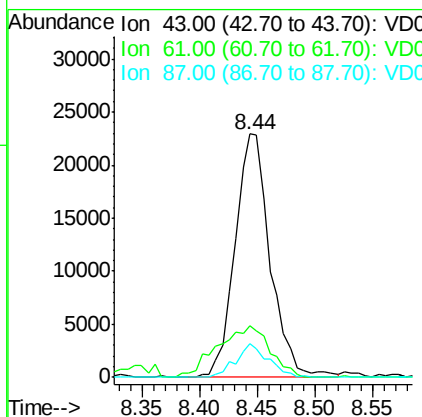
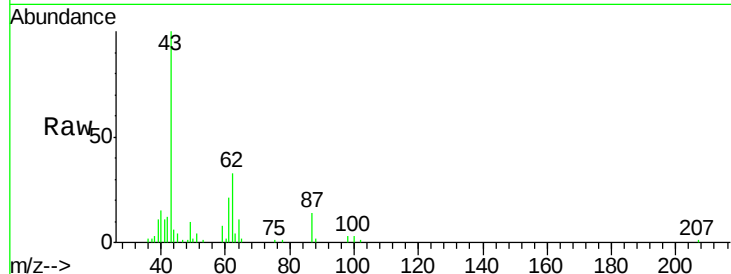
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	48384
Ion	Ratio	Lower	Upper
43	100		
61	31.5	23.8	35.8
87	12.8	10.7	16.1

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#44

Trichloroethene

Concen: 10.151 ug/l

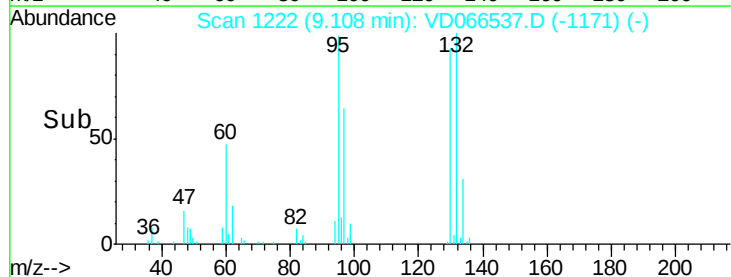
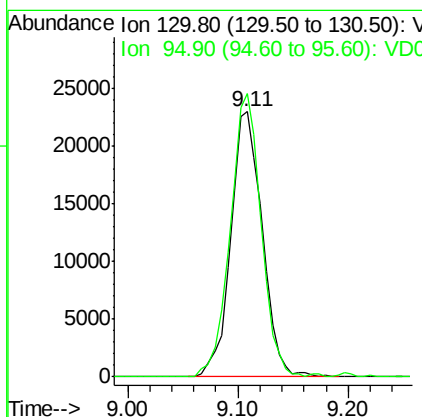
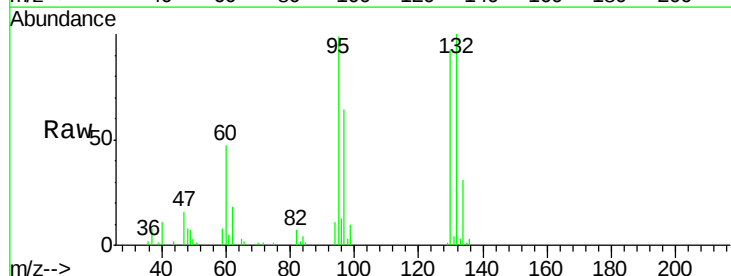
RT: 9.11 min Scan# 1222

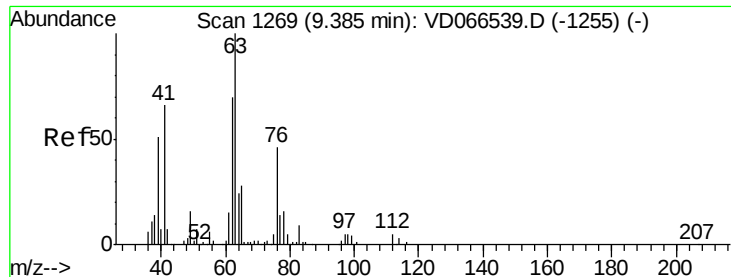
Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Tgt Ion:	130	Resp:	45911
Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	194.4





#45

1,2-Dichloropropane

Concen: 15.795 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 45454

Ion Ratio Lower Upper

63 100

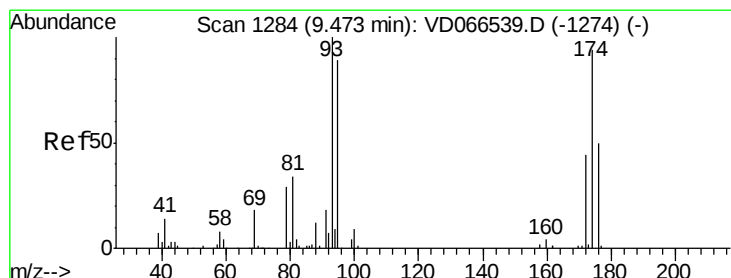
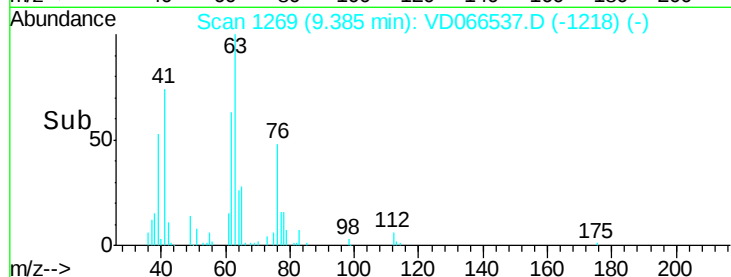
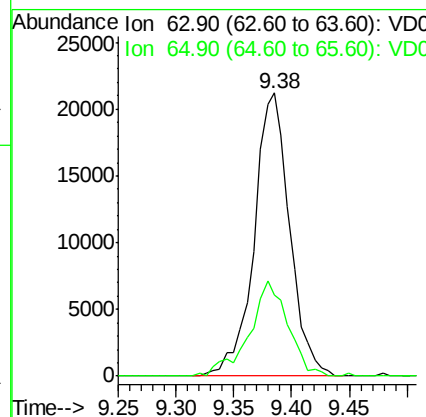
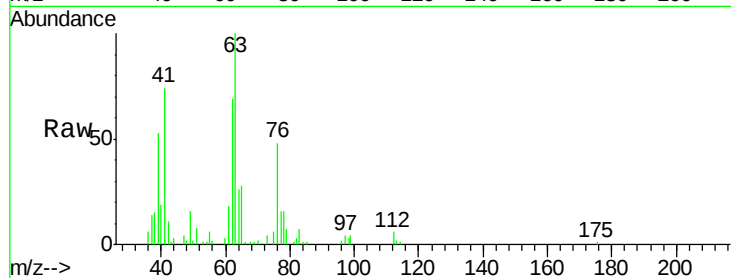
65 28.5 22.6 34.0

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#46

Dibromomethane

Concen: 12.548 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

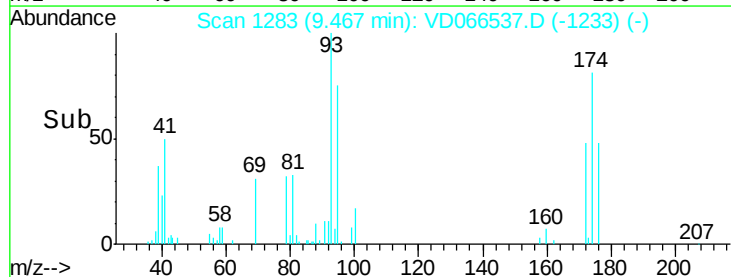
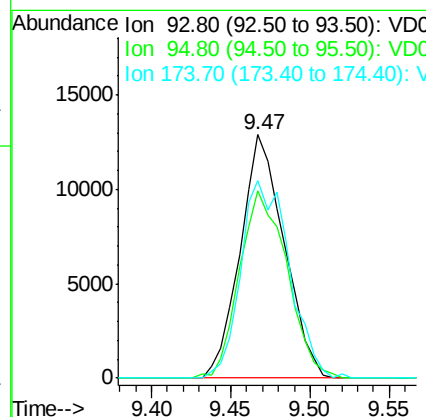
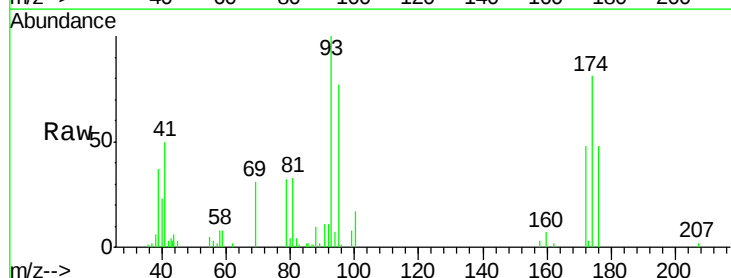
Tgt Ion: 93 Resp: 24800

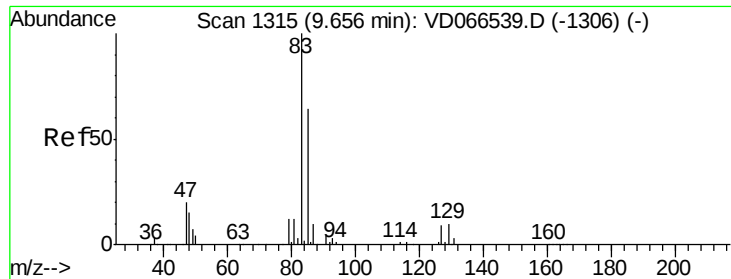
Ion Ratio Lower Upper

93 100

95 82.9 68.7 103.1

174 89.4 70.0 105.0





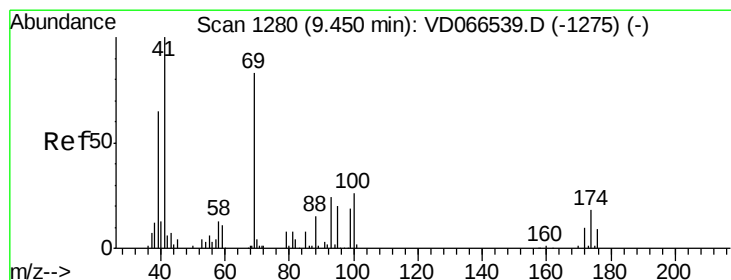
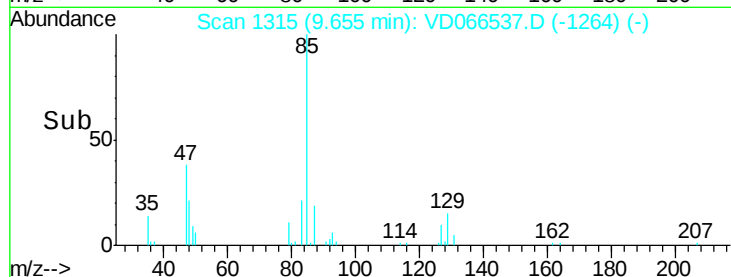
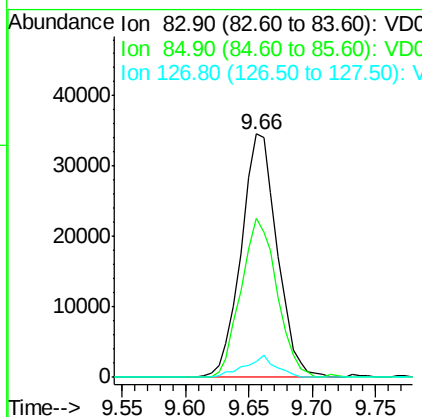
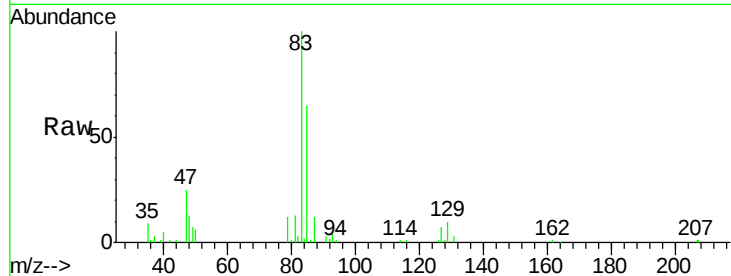
#47
Bromodichloromethane
Concen: 11.794 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	68231		
85	65.5	51.1	76.7	
127	6.6	6.9	10.3	

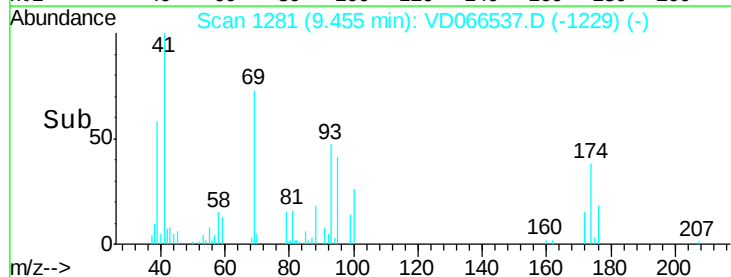
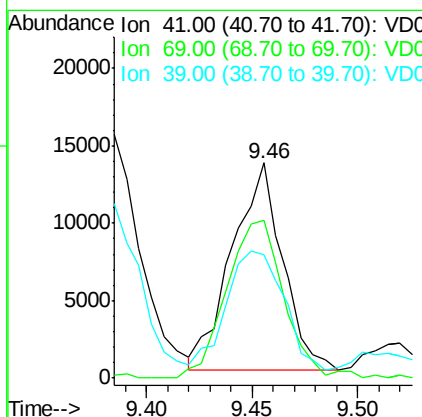
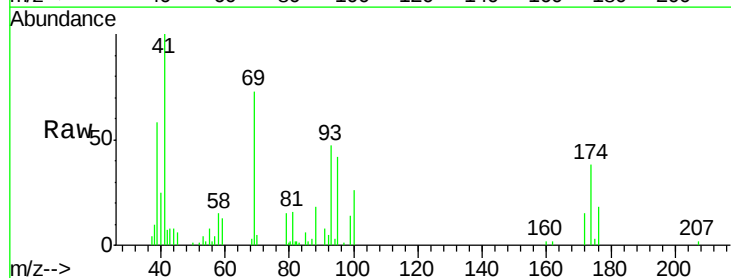
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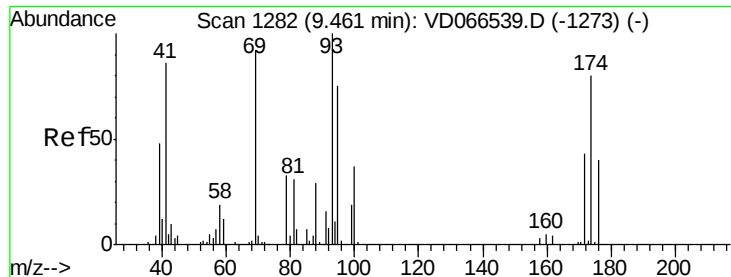
MMDadoda
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#48
Methyl methacrylate
Concen: 12.484 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	22072		
69	87.9	64.5	96.7	
39	74.7	46.6	69.8	





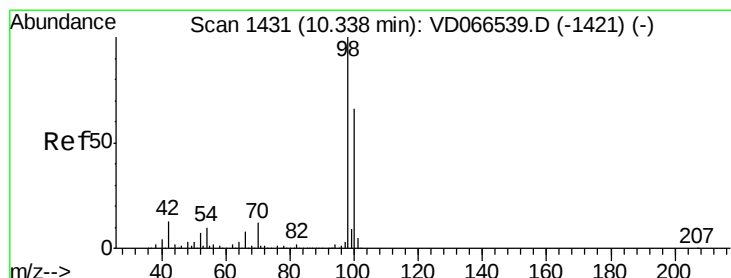
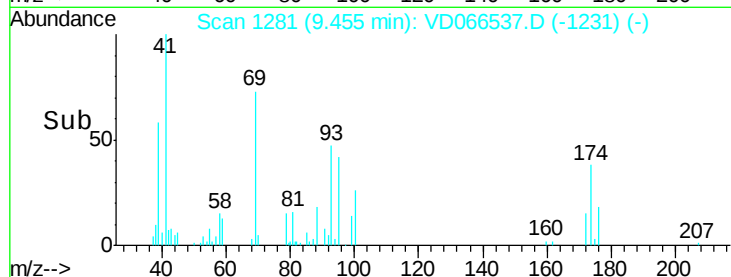
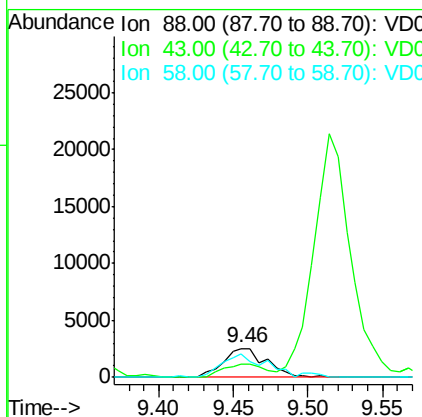
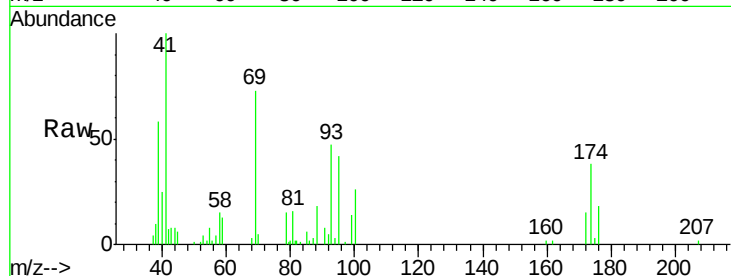
#49
1,4-Dioxane
Concen: 227.358 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.8	28.3	42.5#
58	78.0	56.1	84.1

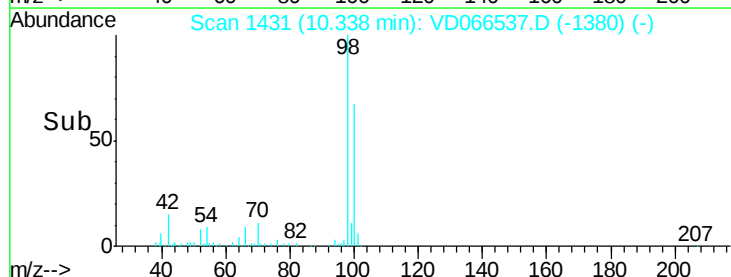
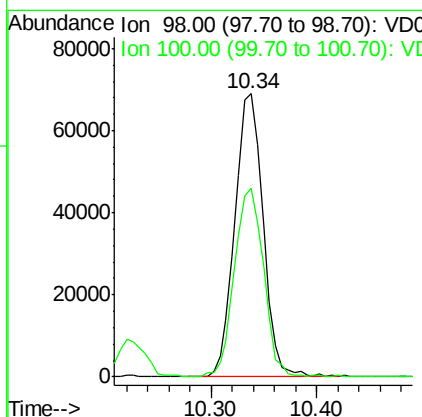
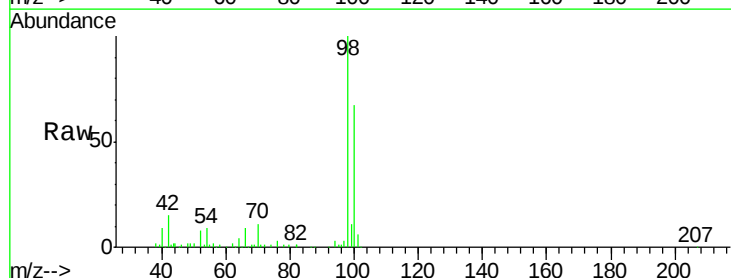
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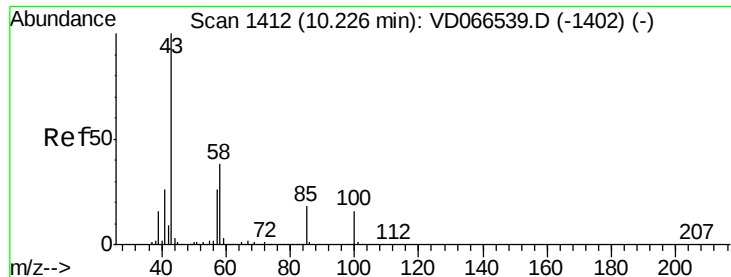
MMDadoda
9/4/2020 4:54:51 PM



#50
Toluene-d8
Concen: 9.720 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.5	52.9	79.3





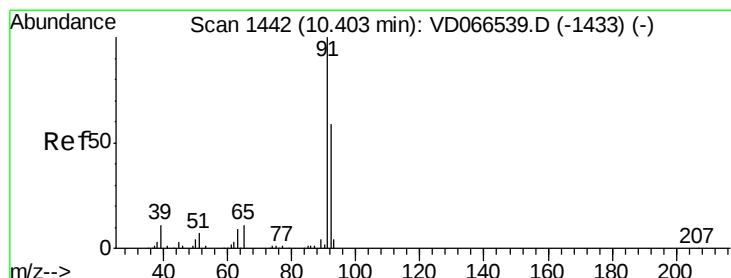
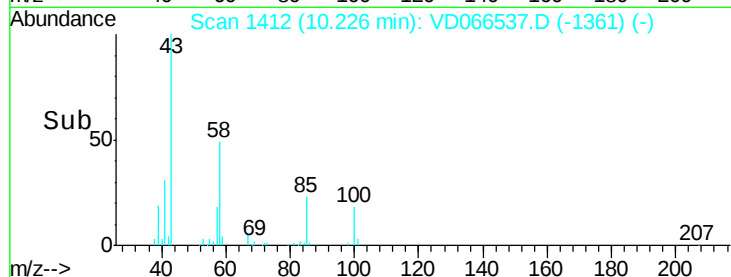
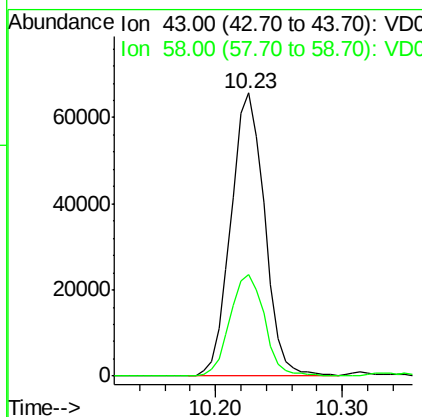
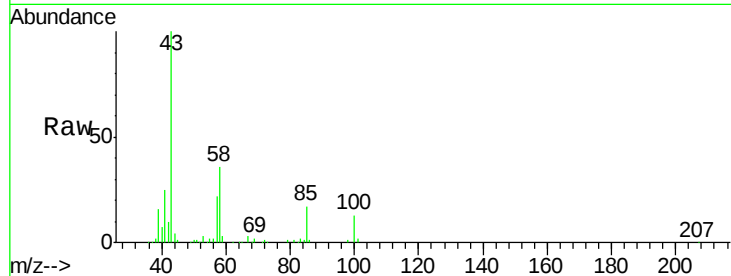
#51
4-Methyl-2-Pentanone
Concen: 74.691 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	43	Resp	121386
Ion Ratio	43	100	
Lower	58	36.6	30.5
Upper			45.7

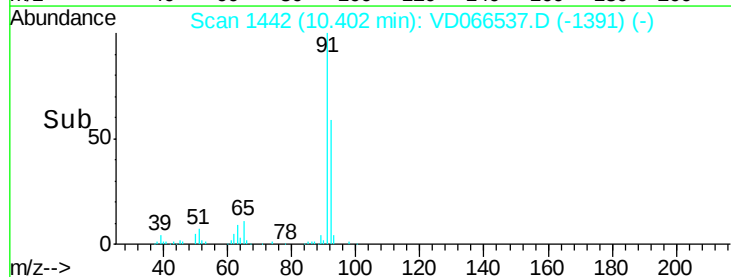
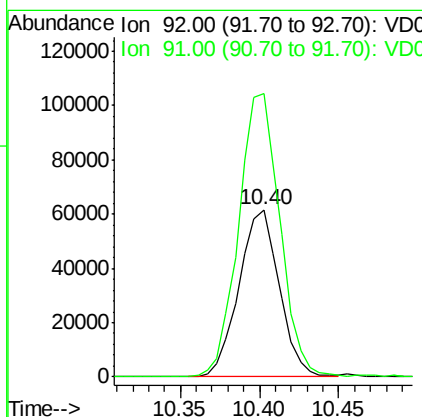
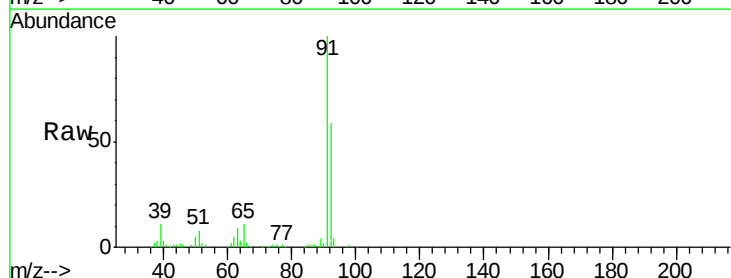
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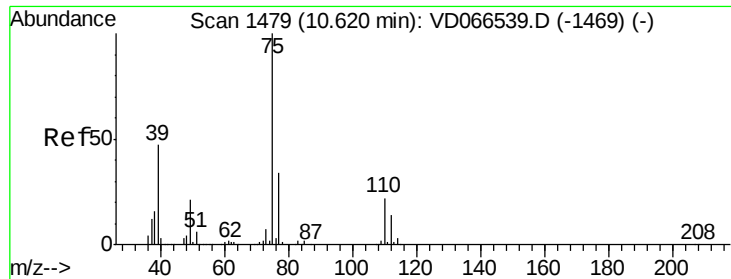
MMDadoda
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#52
Toluene
Concen: 11.391 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion	92	Resp	109295
Ion Ratio	92	100	
Lower	91	173.3	137.4
Upper			206.2





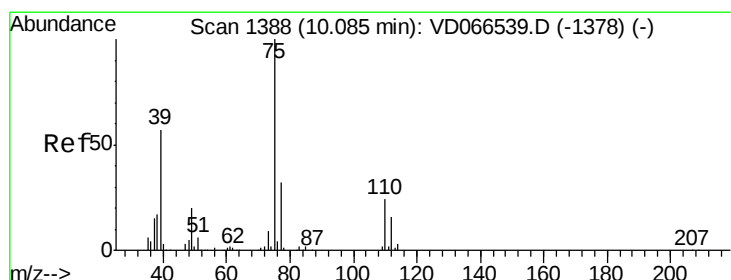
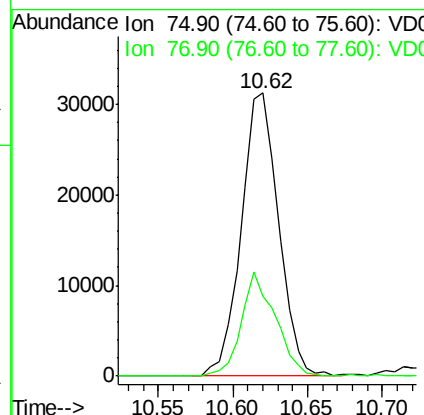
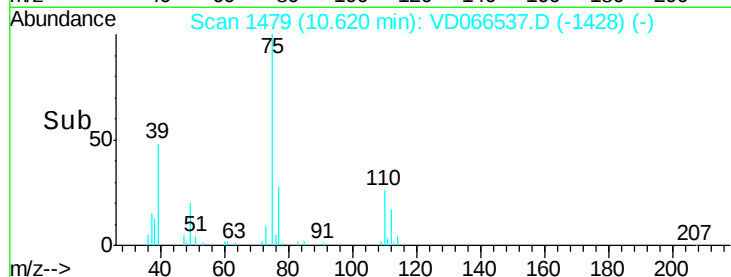
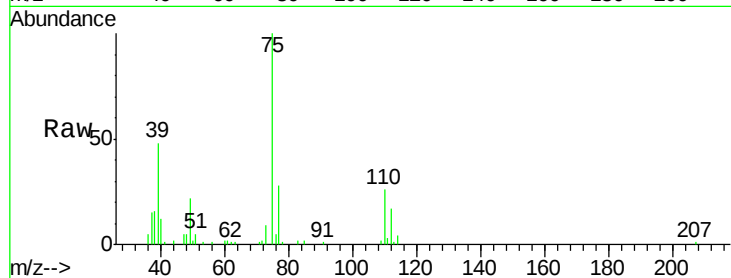
#53
 t-1,3-Dichloropropene
 Concen: 10.296 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 75 Resp: 54074
 Ion Ratio Lower Upper
 75 100
 77 28.3 27.4 41.2

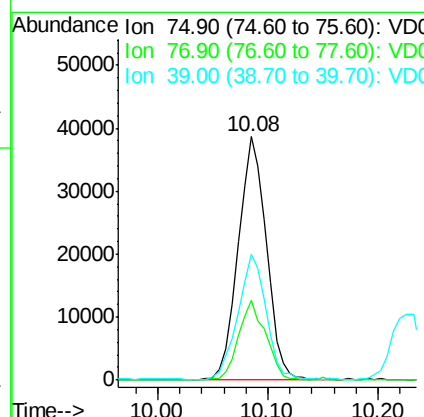
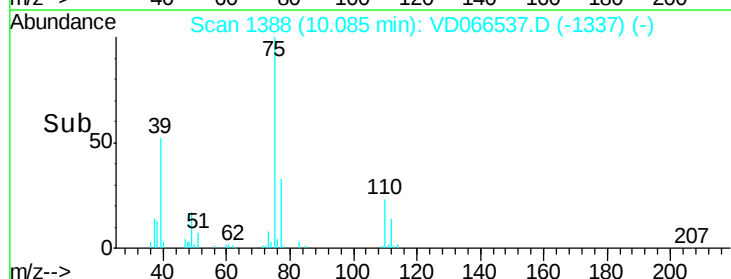
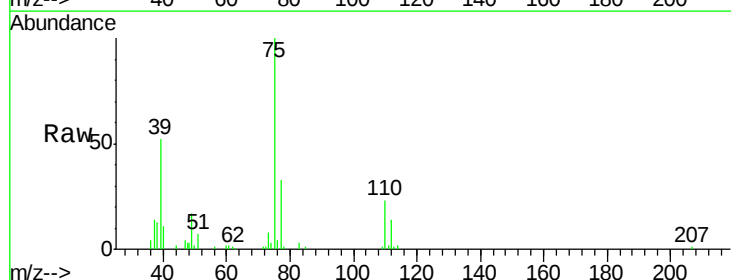
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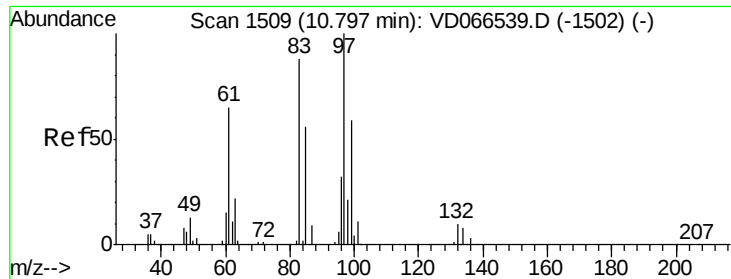
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 12.306 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Tgt Ion: 75 Resp: 69765
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.4 38.0
 39 51.6 45.4 68.0





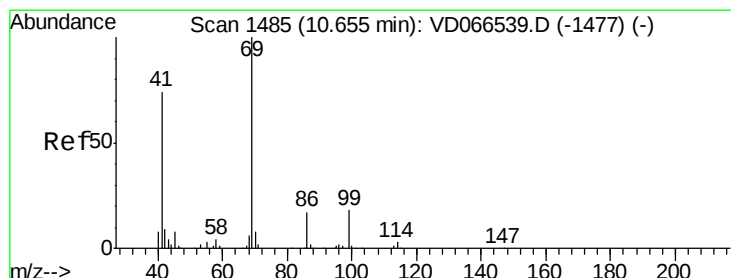
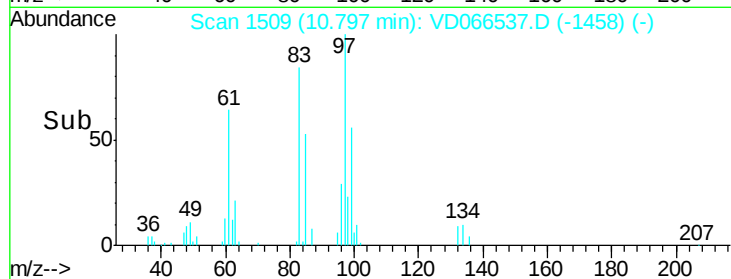
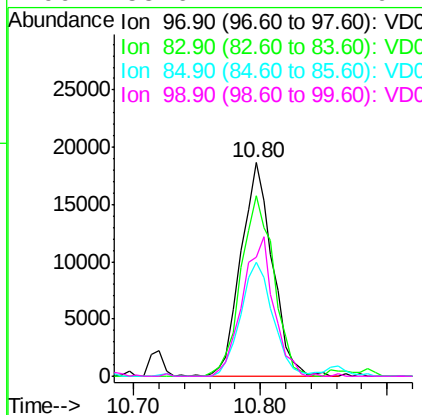
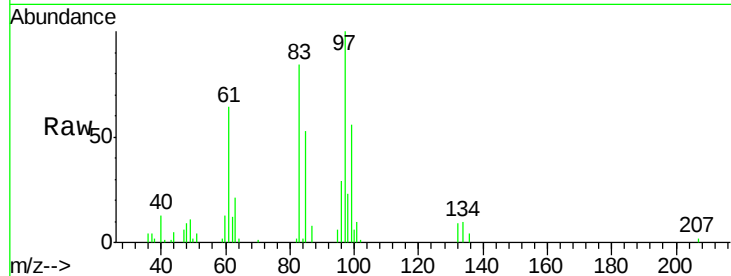
#55
 1,1,2-Trichloroethane
 Concen: 12.868 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	32196
Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.1	105.1
85	53.2	44.5	66.7
99	55.6	47.1	70.7

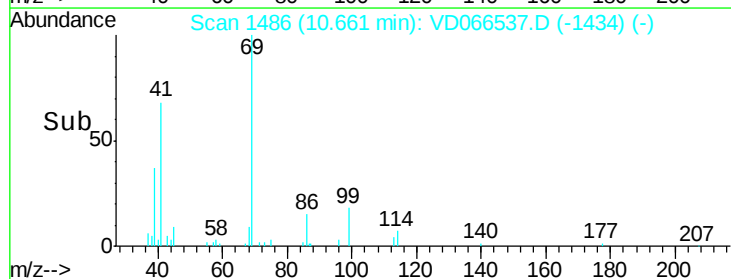
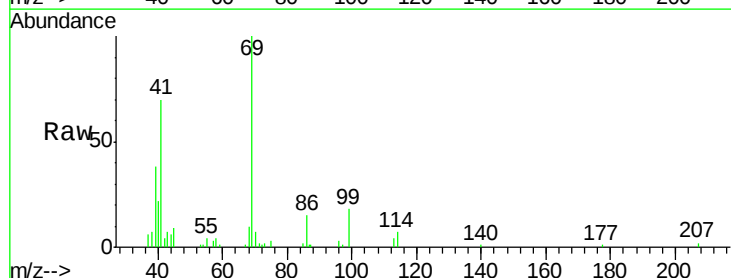
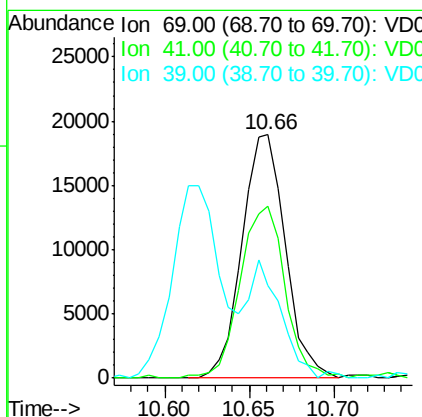
Manual Integrations
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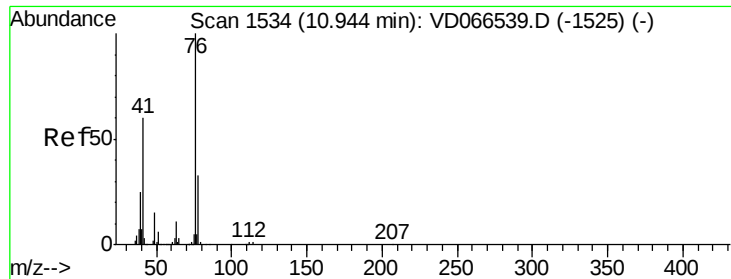
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#56
 Ethyl methacrylate
 Concen: 11.317 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Tgt Ion:	69	Resp:	33778
Ion	Ratio	Lower	Upper
69	100		
41	73.3	56.8	85.2
39	36.7	30.6	46.0





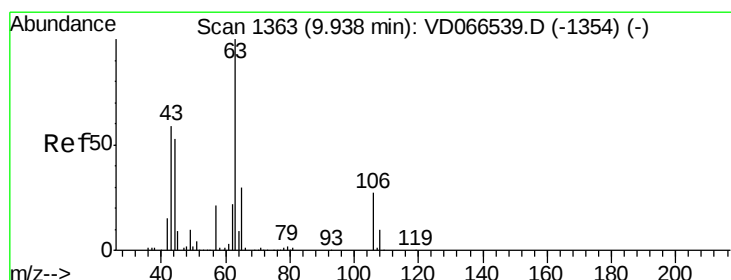
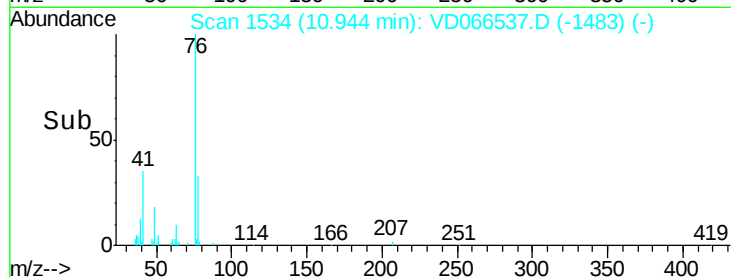
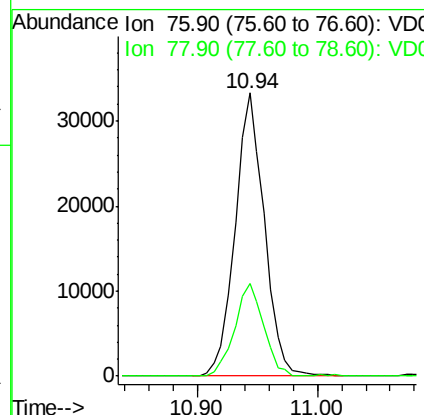
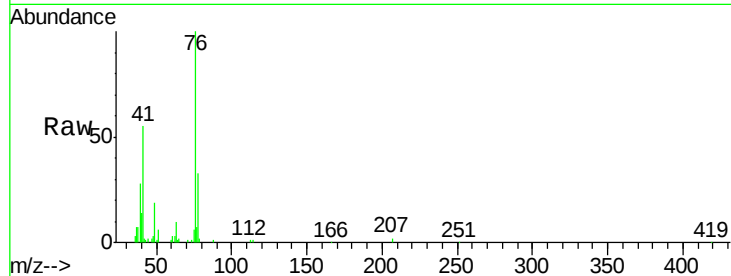
#57
 1,3-Dichloropropane
 Concen: 13.325 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

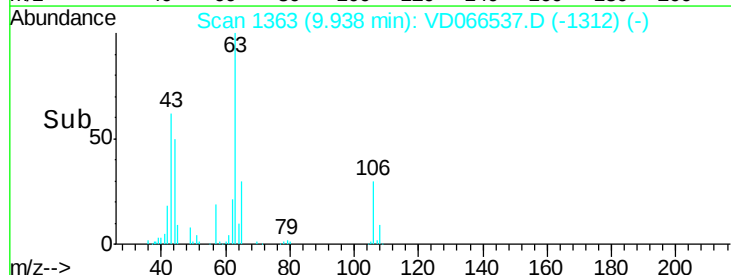
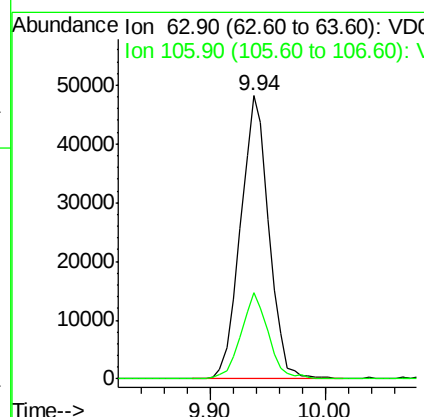
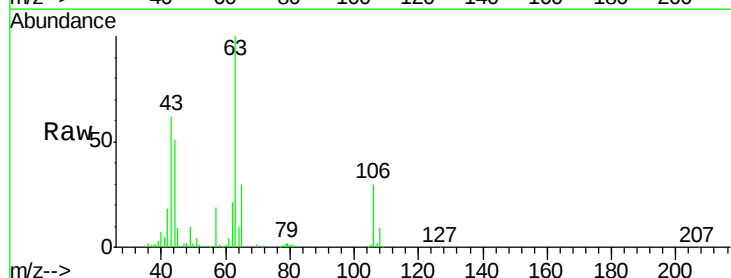
Manual Integrations
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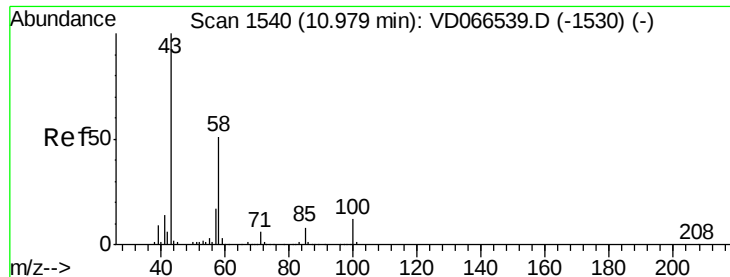
MMDadoda
 9/4/2020 4:54:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 68.135 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	22.0	33.0





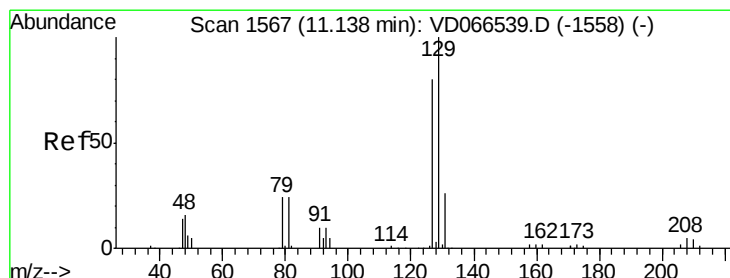
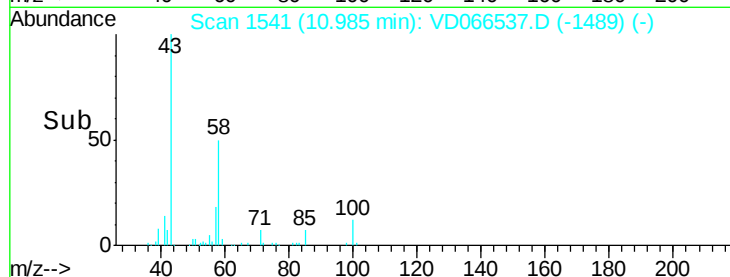
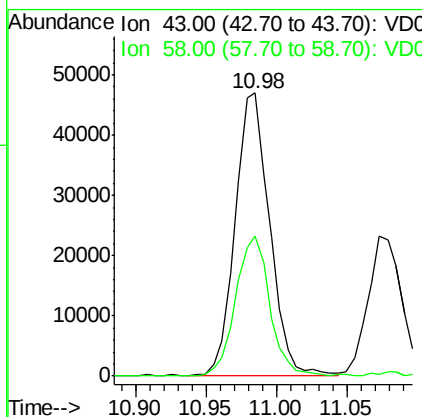
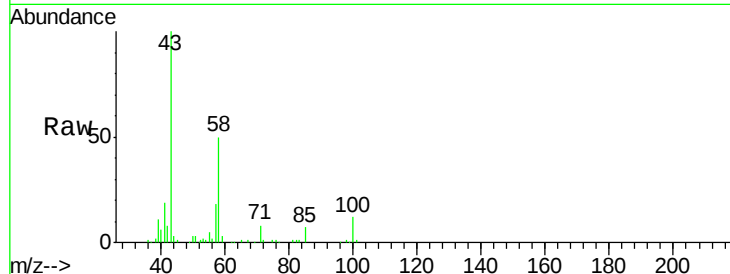
#59
2-Hexanone
Concen: 69.033 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

Tot Ion: 43 Resp: 80485
Ion Ratio Lower Upper
43 100
58 49.1 25.6 76.8

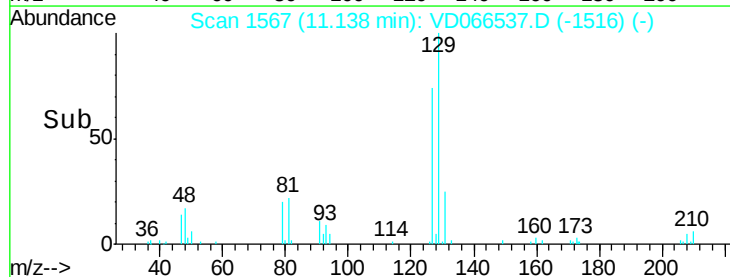
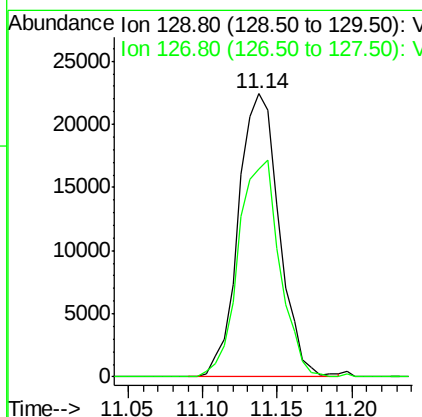
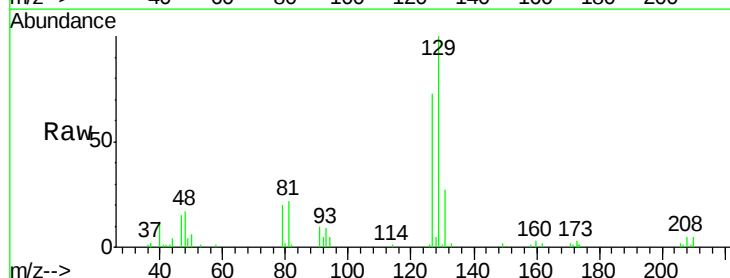
Manual Integrations
APPROVED

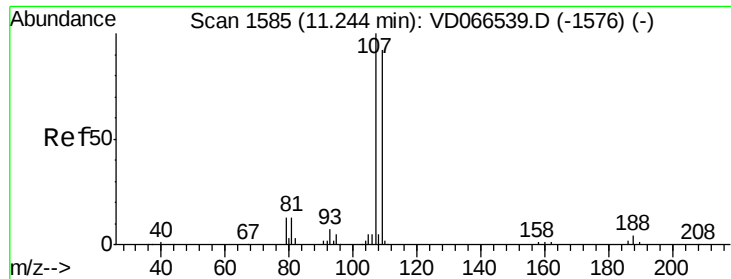
MMDadoda
9/4/2020 4:54:51 PM



#60
Dibromochloromethane
Concen: 10.653 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion: 129 Resp: 42477
Ion Ratio Lower Upper
129 100
127 77.4 39.5 118.3





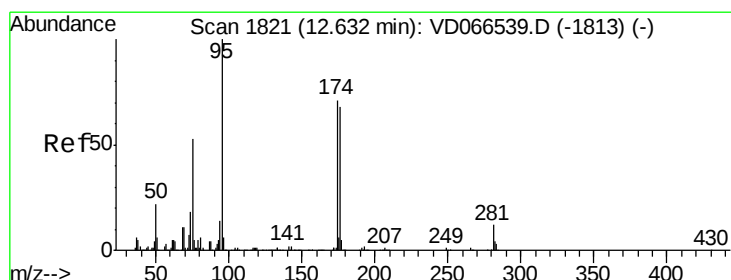
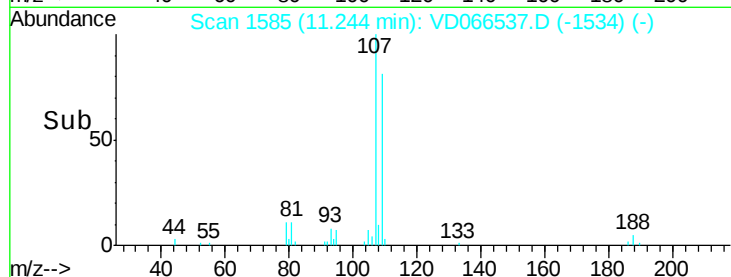
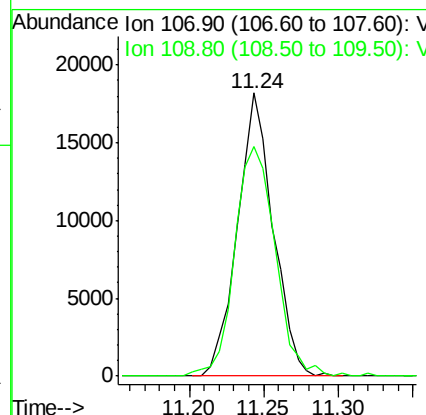
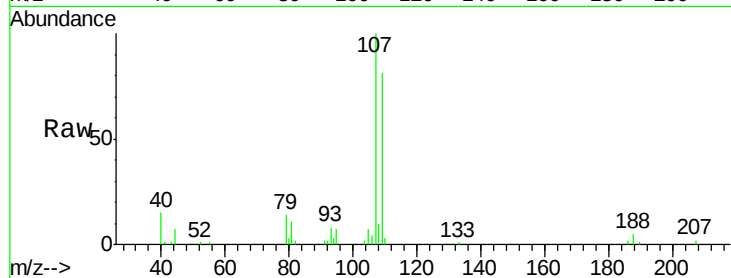
#61
 1,2-Dibromoethane
 Concen: 11.819 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	74.4	111.6

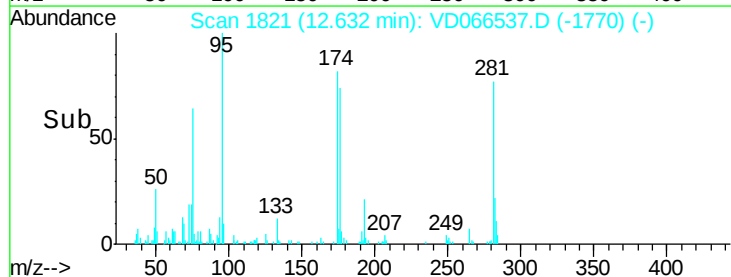
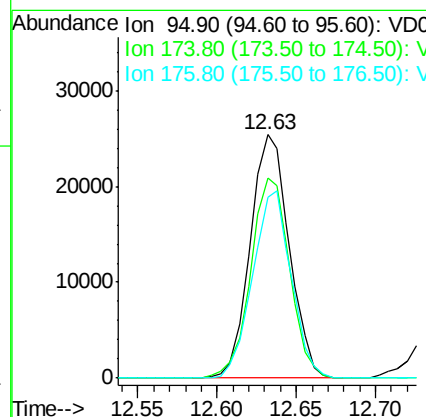
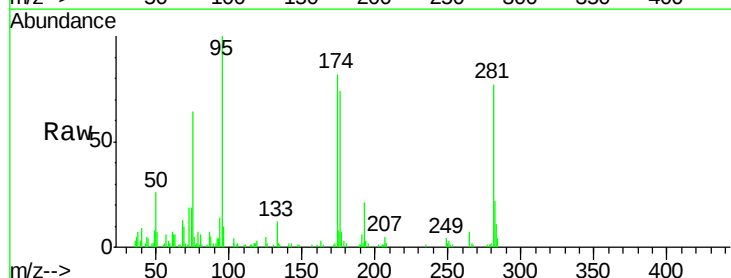
Manual Integrations
 APPROVED

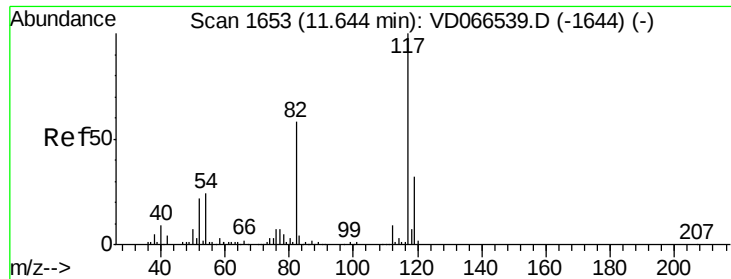
MMDadoda
 9/4/2020 4:54:51 PM



#62
 4-Bromofluorobenzene
 Concen: 9.248 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	155.8
176	76.0	0.0	148.6





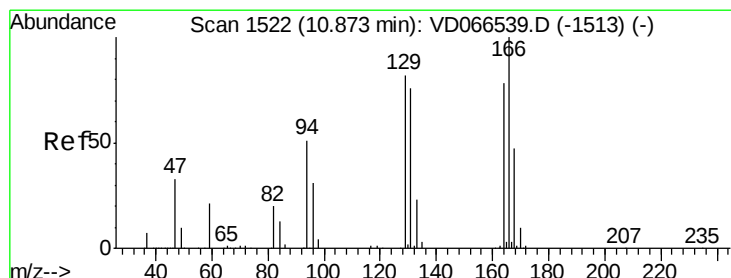
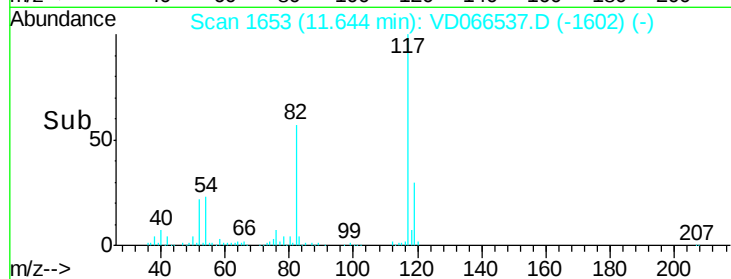
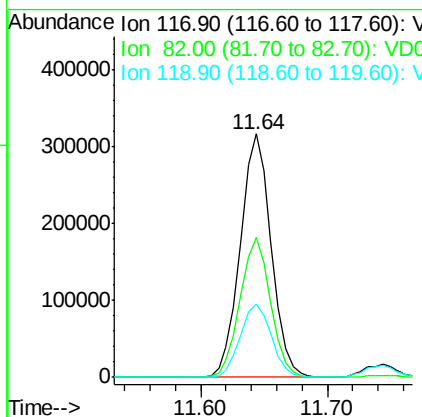
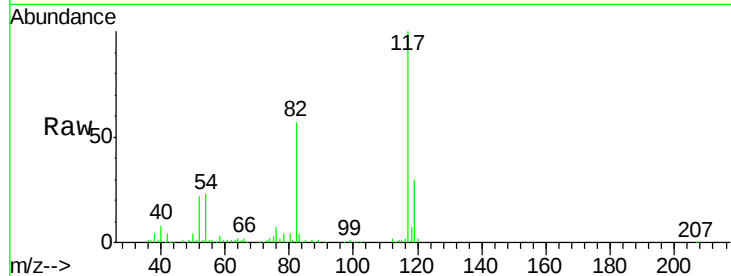
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	534689		
82	57.3		46.2	69.2
119	30.1		25.8	38.8

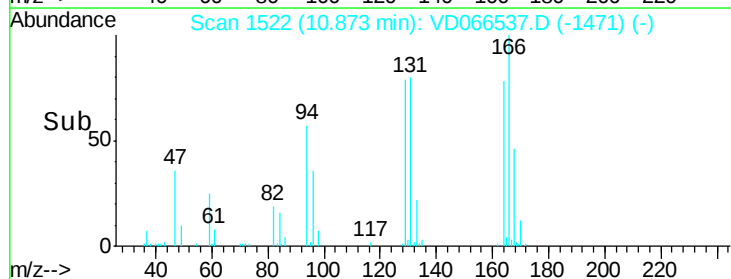
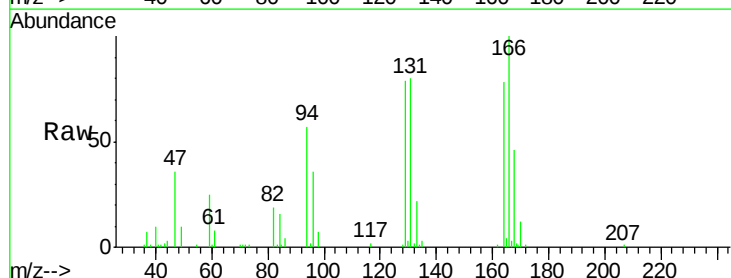
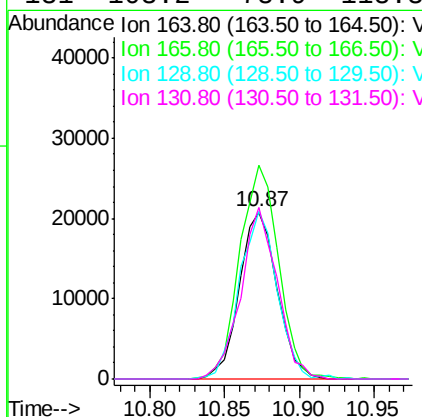
Manual Integrations
APPROVED

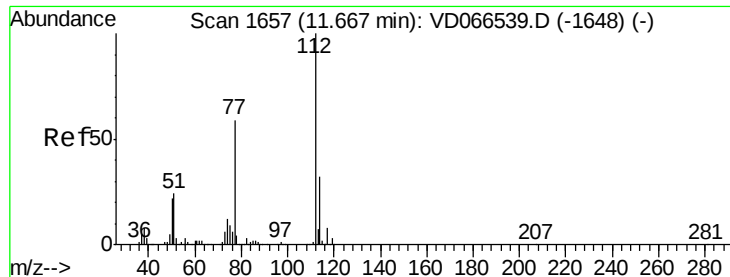
MMDadoda
9/4/2020 4:54:51 PM



#64
Tetrachloroethene
Concen: 8.991 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	36394		
166	128.3		103.2	154.8
129	101.0		84.5	126.7
131	103.2		78.9	118.3





#65

Chlorobenzene

Concen: 10.856 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 114033

Ion Ratio Lower Upper

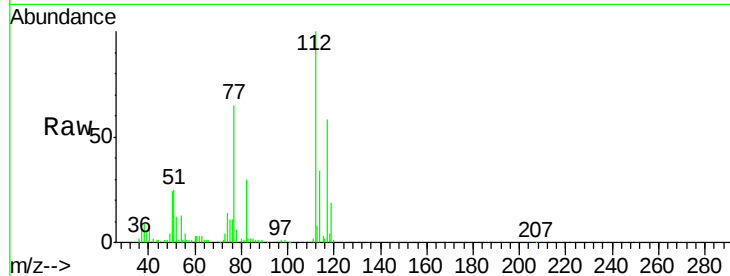
112 100

114 34.5 25.7 38.5

Manual Integrations
APPROVED

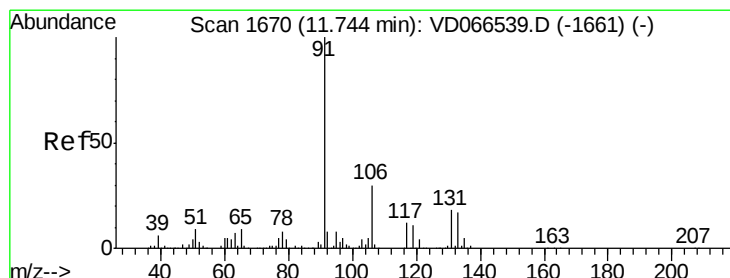
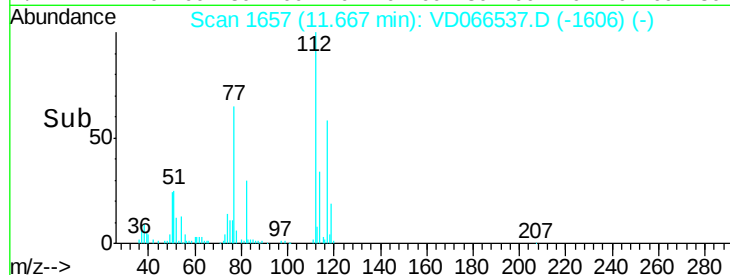
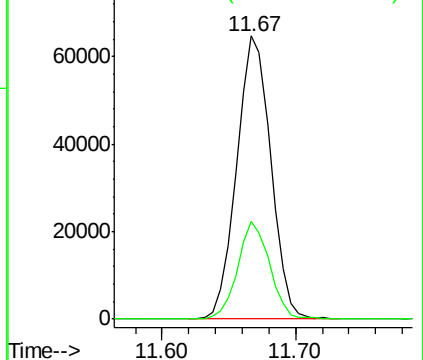
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.948 ug/l

RT: 11.74 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

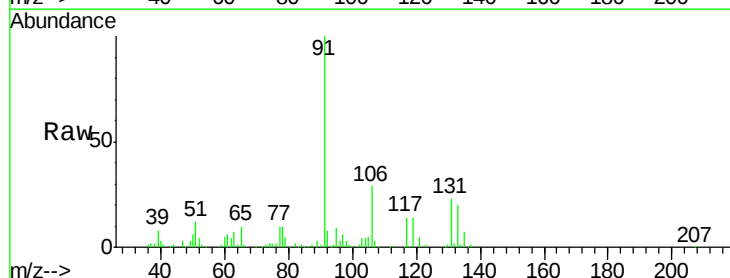
Tgt Ion:131 Resp: 43524

Ion Ratio Lower Upper

131 100

133 94.1 46.7 140.0

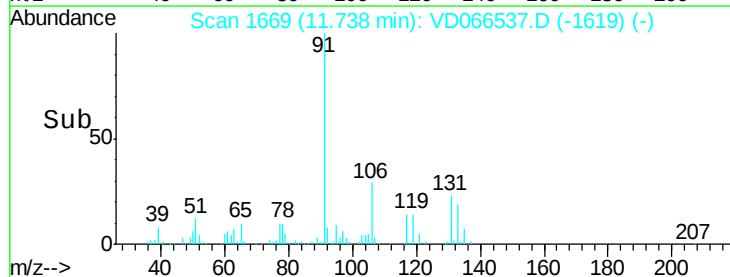
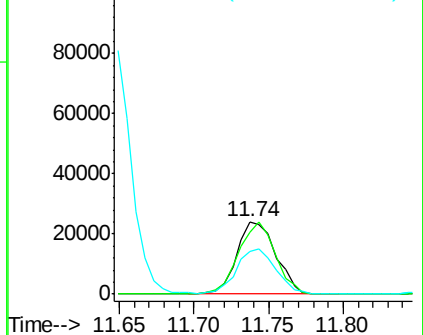
119 63.5 31.9 95.7

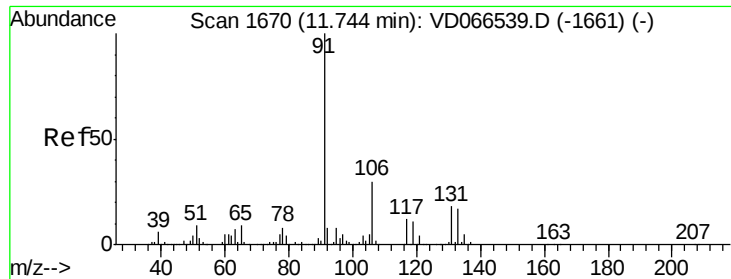


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





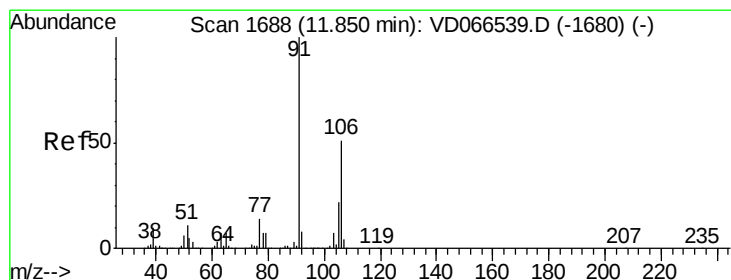
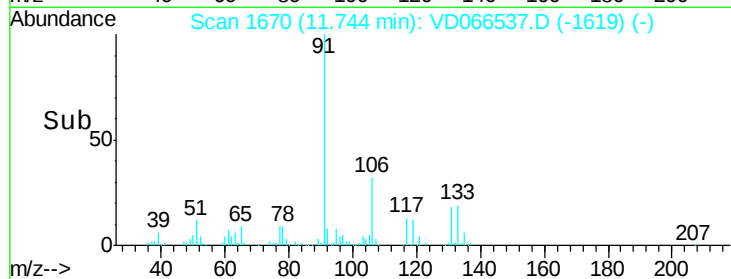
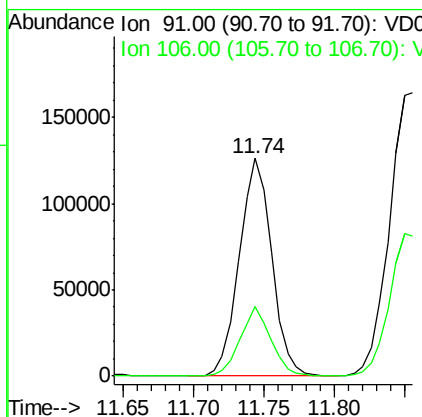
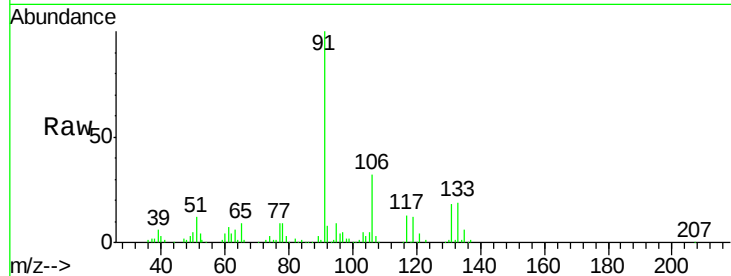
#67
Ethyl Benzene
Concen: 10.880 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 203483
Ion Ratio Lower Upper
91 100
106 31.7 24.3 36.5

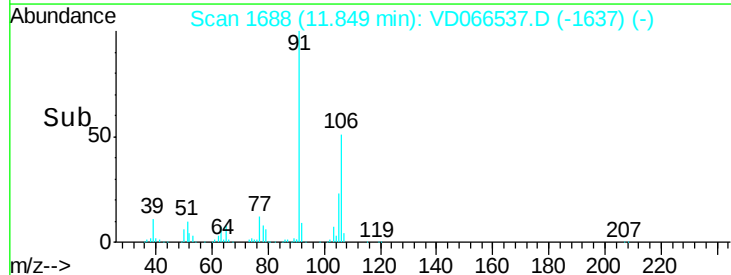
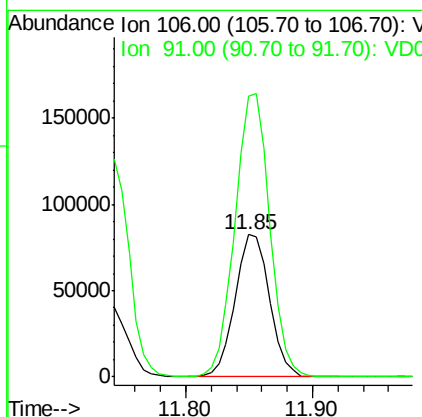
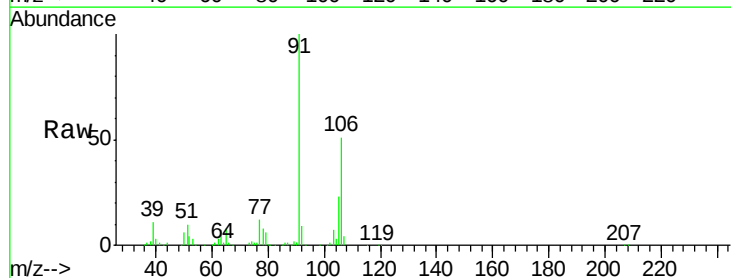
Manual Integrations
APPROVED

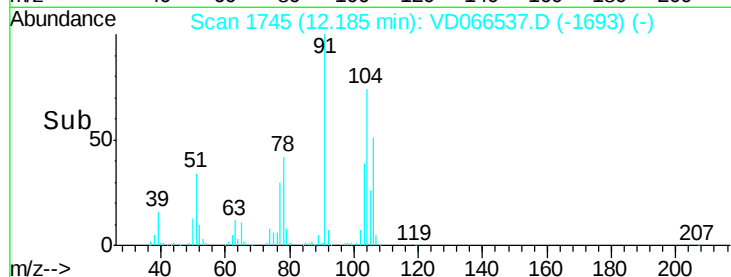
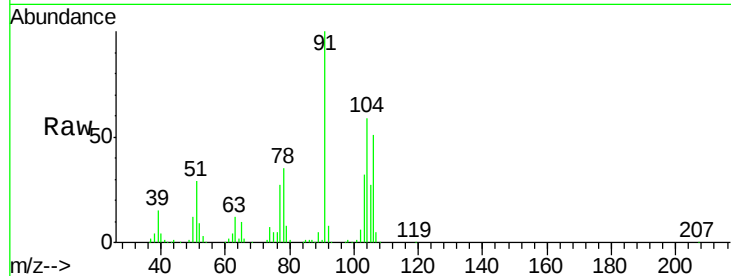
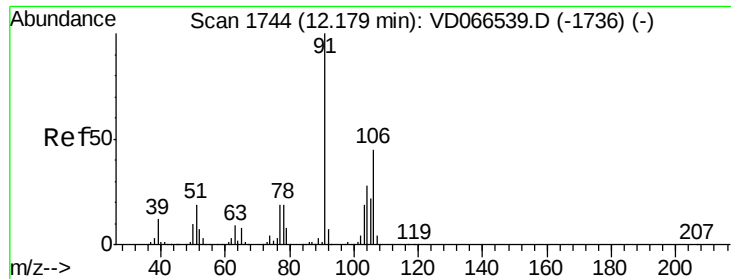
MMDadoda
9/4/2020 4:54:51 PM



#68
m/p-Xylenes
Concen: 21.474 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion: 106 Resp: 155126
Ion Ratio Lower Upper
106 100
91 200.7 162.4 243.6





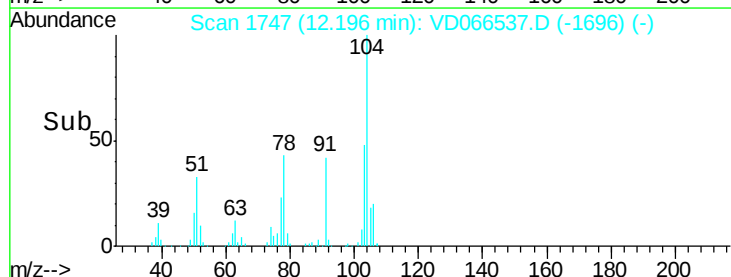
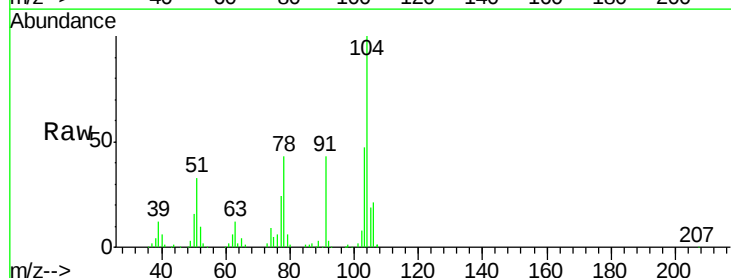
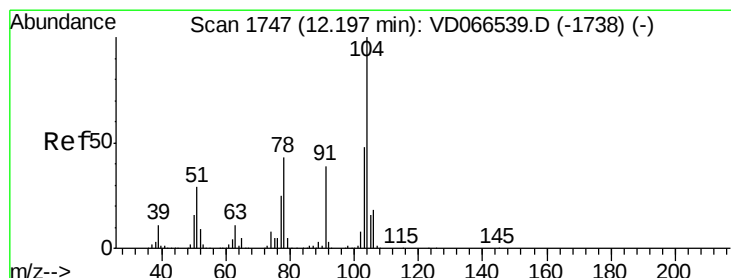
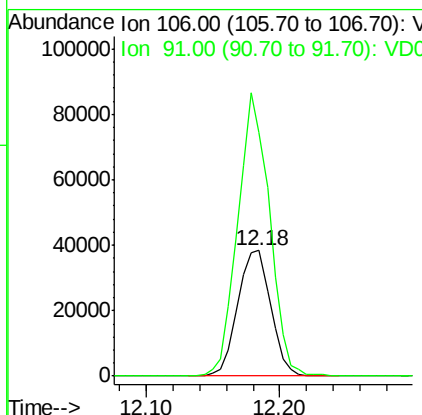
#69
o-Xylene
Concen: 9.704 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tot Ion:106 Resp: 65983
Ion Ratio Lower Upper
106 100
91 216.5 107.9 323.8

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

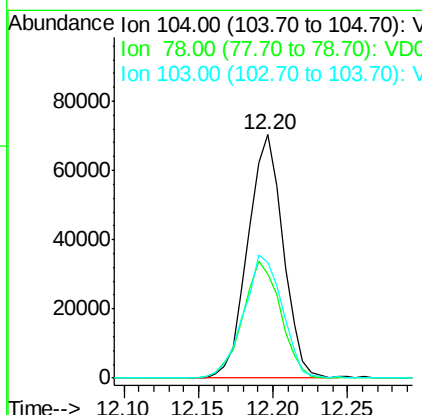
Manual Integrations
APPROVED

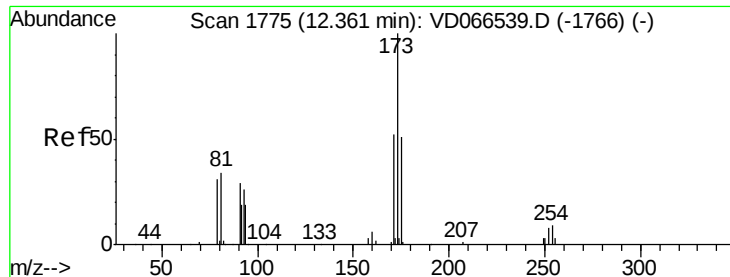
MMDadoda
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#70
Styrene
Concen: 9.875 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion:104 Resp: 115054
Ion Ratio Lower Upper
104 100
78 51.8 40.7 61.1
103 55.5 42.9 64.3





#71

Bromoform

Concen: 9.558 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

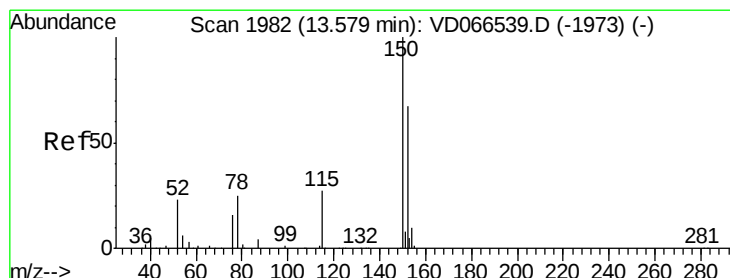
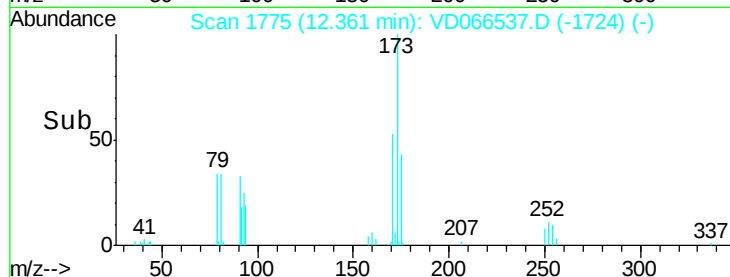
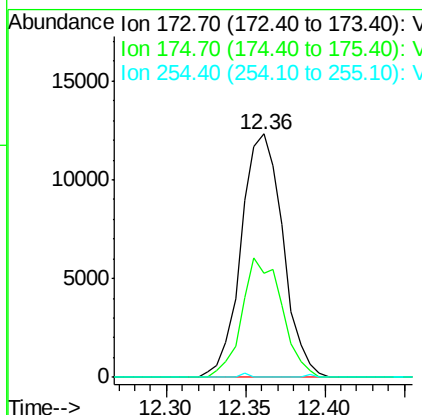
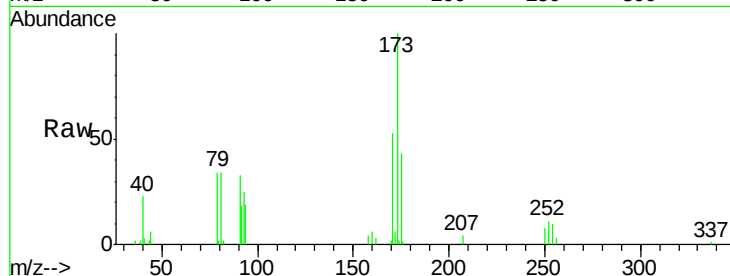
ClientSampleId :

VSTDIC010

Tot Ion:	173	Resp:	22511
Ion Ratio	Lower	Upper	
173	100		
175	47.2	24.2	72.6
254	0.4	0.0	0.0#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

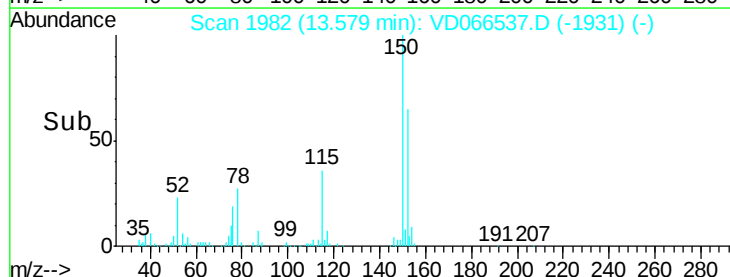
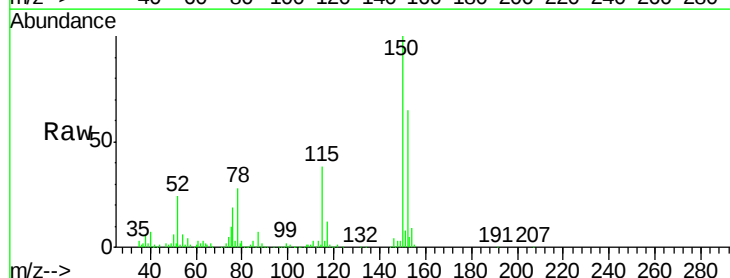
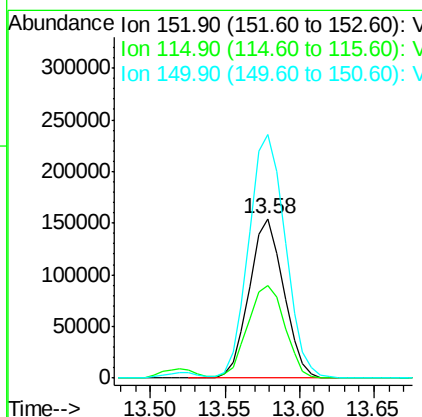
RT: 13.58 min Scan# 1982

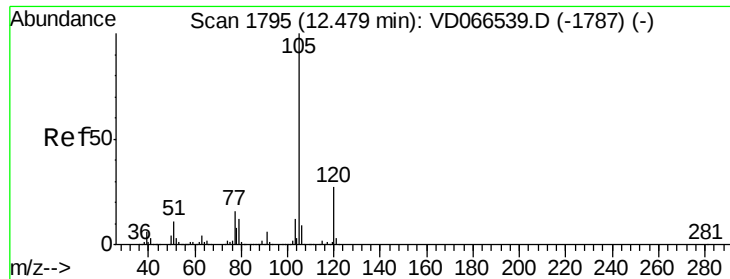
Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Tgt Ion:	152	Resp:	246269
Ion Ratio	Lower	Upper	
152	100		
115	62.5	30.4	91.2
150	162.7	0.0	345.8





#73

Isopropylbenzene

Concen: 10.848 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 181655

Ion Ratio Lower Upper

105 100

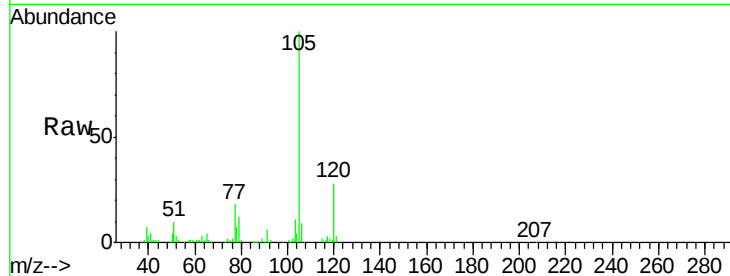
120 24.9 13.0 39.0

Manual Integrations

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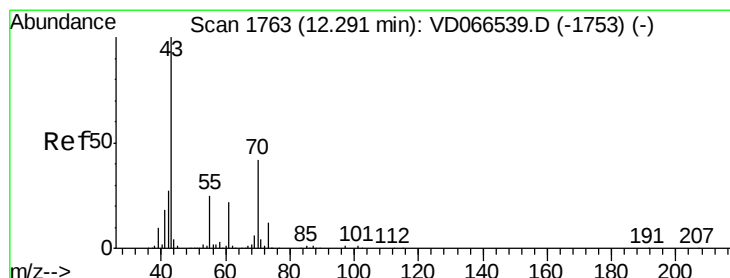
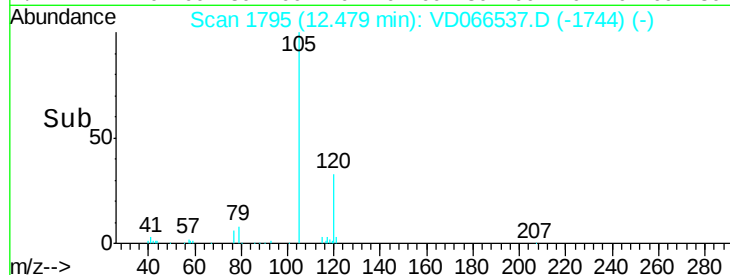
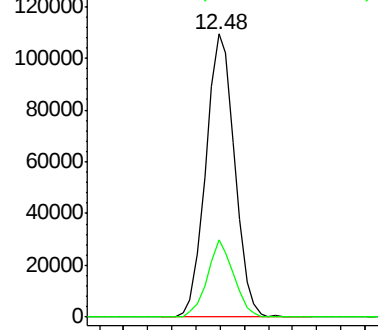
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.262 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Tgt Ion: 43 Resp: 42076

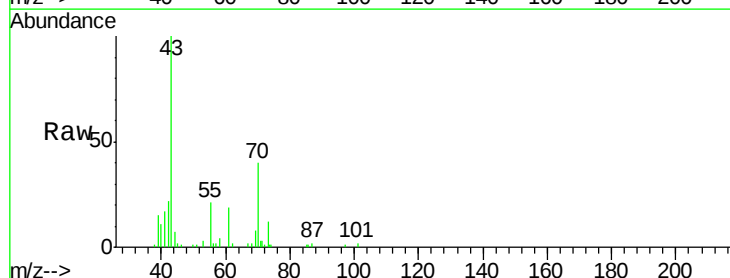
Ion Ratio Lower Upper

43 100

70 41.4 33.4 50.2

55 25.0 20.1 30.1

61 21.1 18.2 27.2

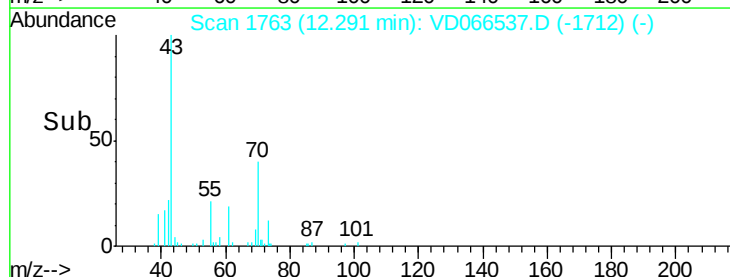
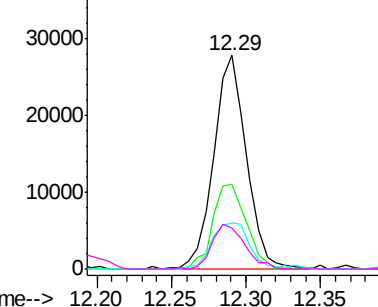


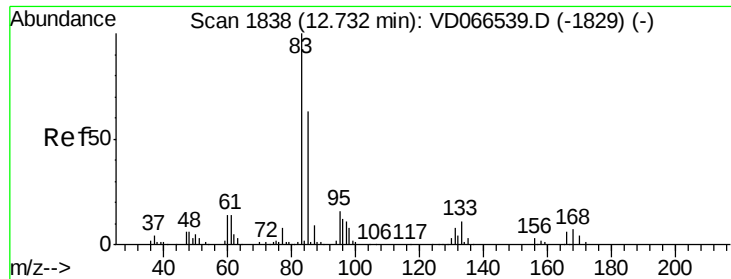
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 16.453 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

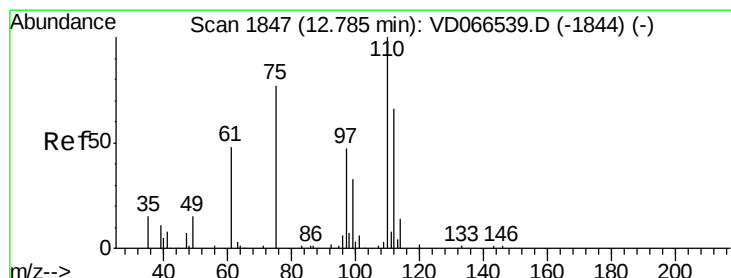
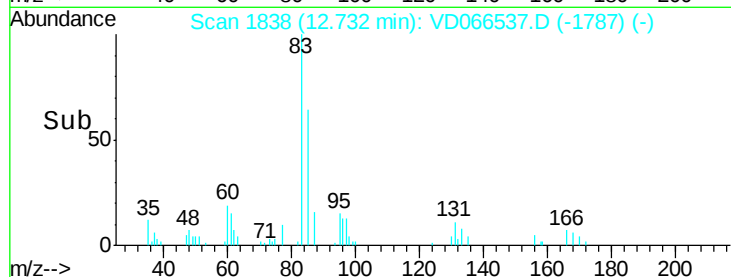
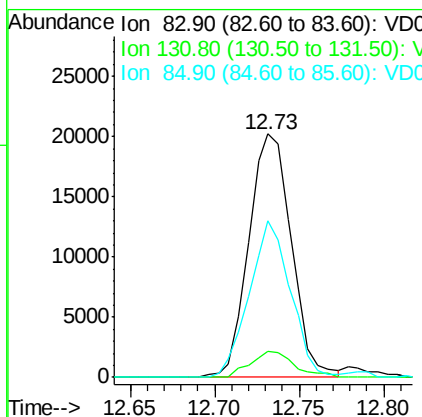
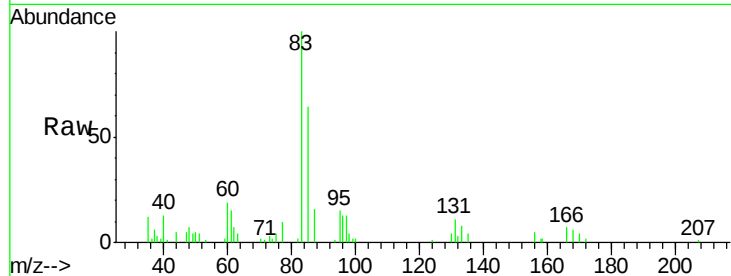
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	35459
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.0	15.0
85	62.3	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 13.763 ug/l m

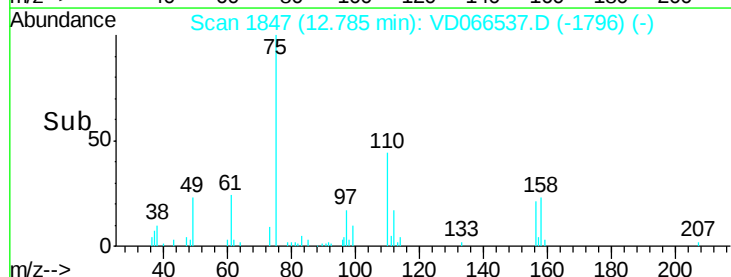
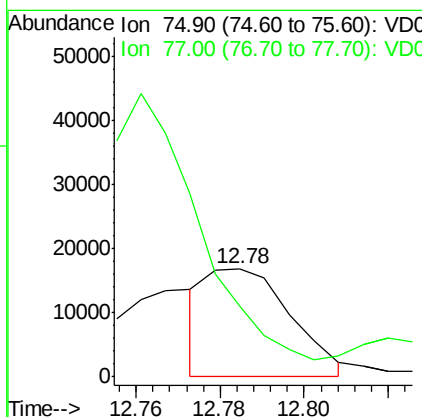
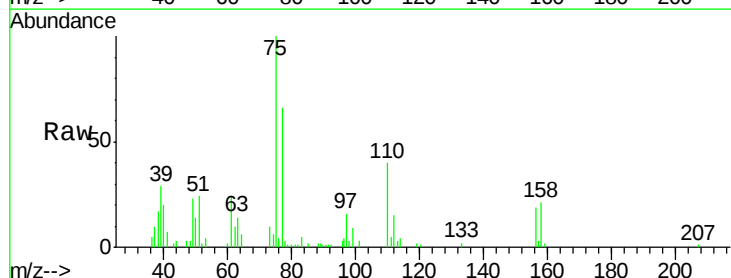
RT: 12.78 min Scan# 1847

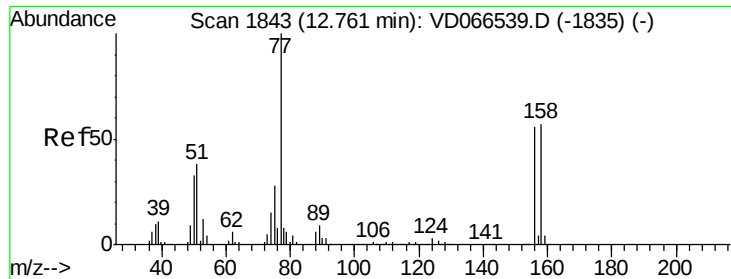
Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Tgt Ion:	75	Resp:	23513
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





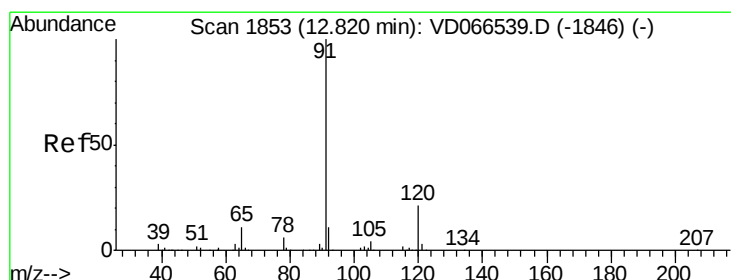
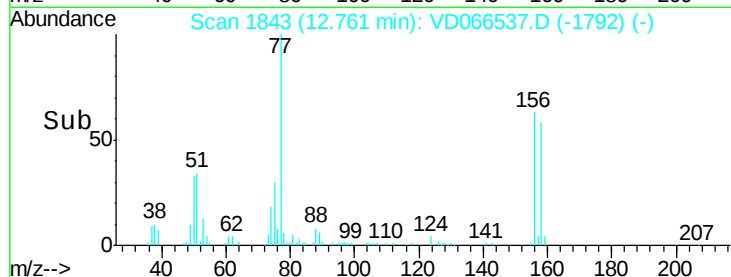
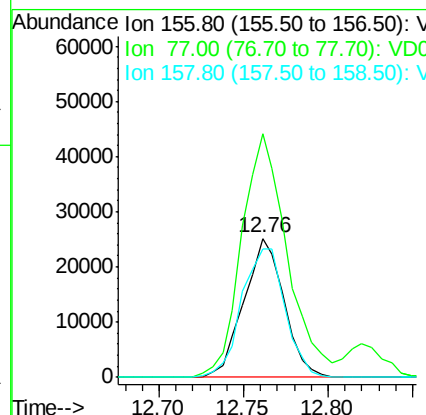
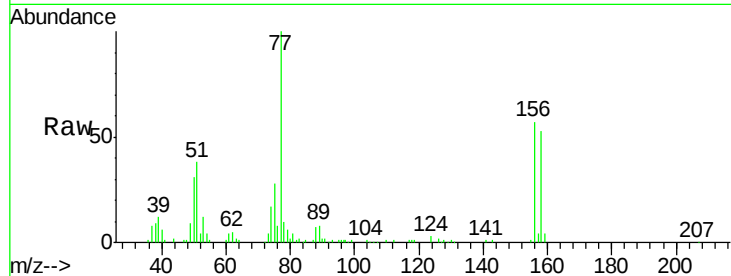
#77
Bromobenzene
Concen: 10.052 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	198.8	98.0	294.1
158	100.1	48.1	144.3

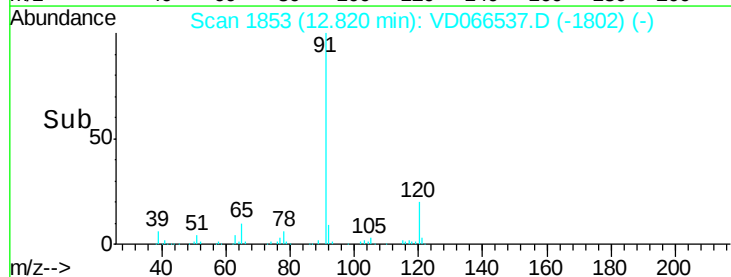
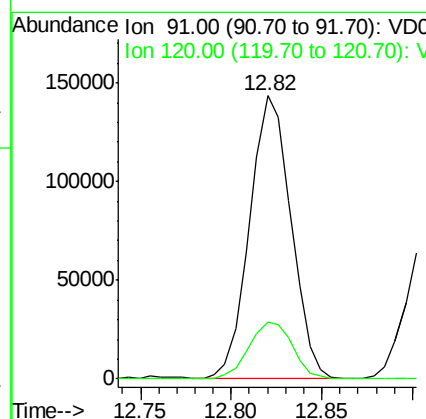
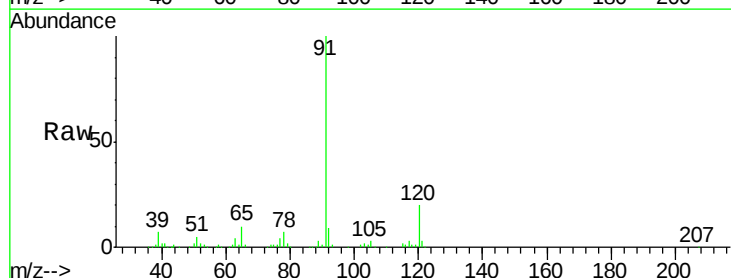
Manual Integrations
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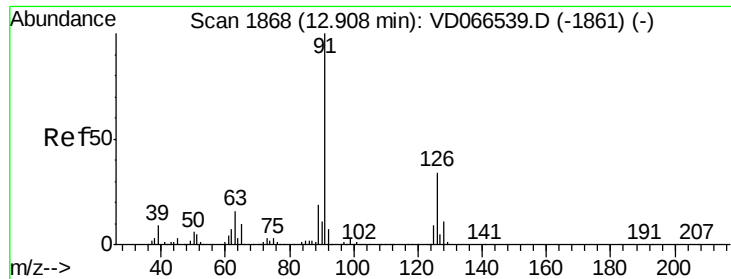
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#78
n-propylbenzene
Concen: 12.177 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	11.1	33.1





#79

2-Chlorotoluene

Concen: 11.954 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 127784

Ion Ratio Lower Upper

91 100

126 34.7

16.4

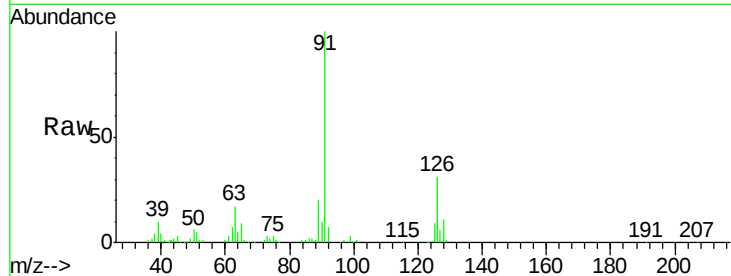
49.4

Manual Integrations

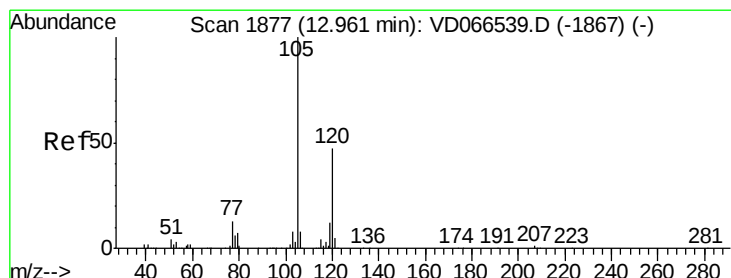
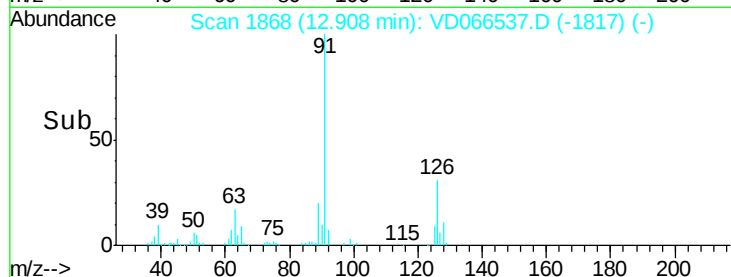
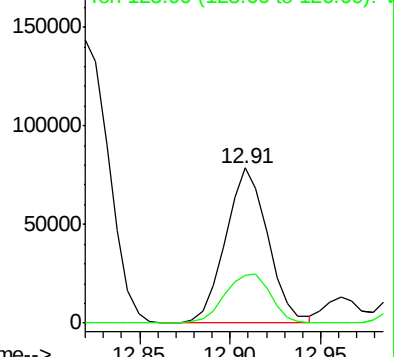
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Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 10.723 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Tgt Ion: 105 Resp: 155734

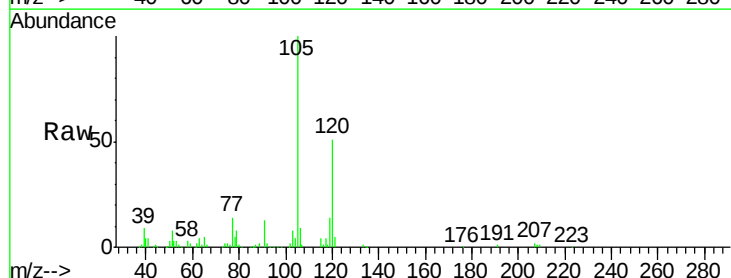
Ion Ratio Lower Upper

105 100

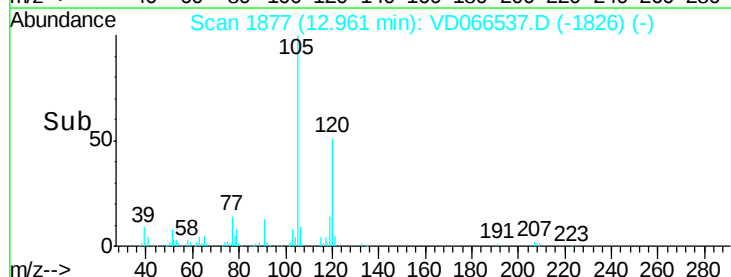
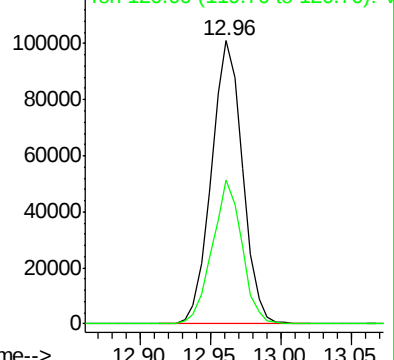
120 48.7

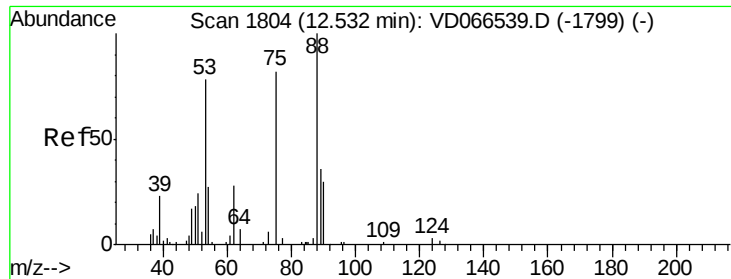
23.9

71.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 14.845 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Instrument :

MSVOA_D

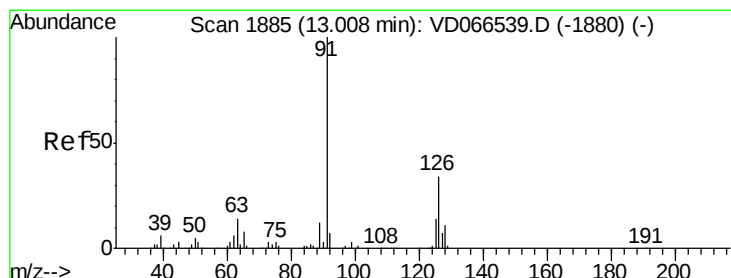
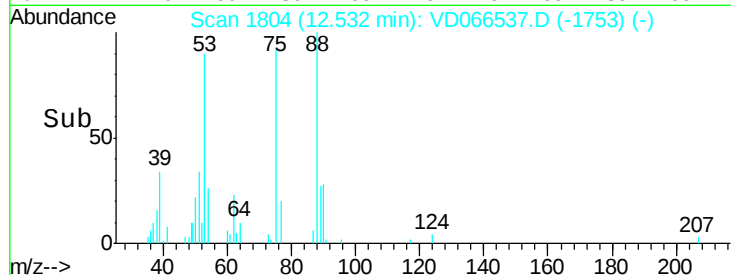
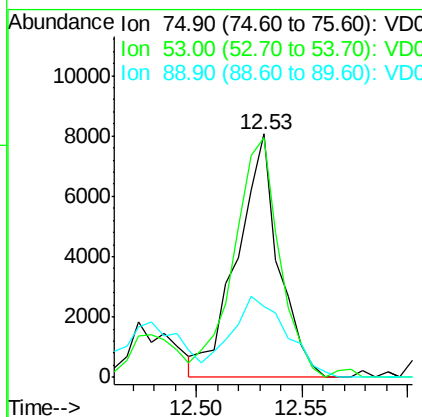
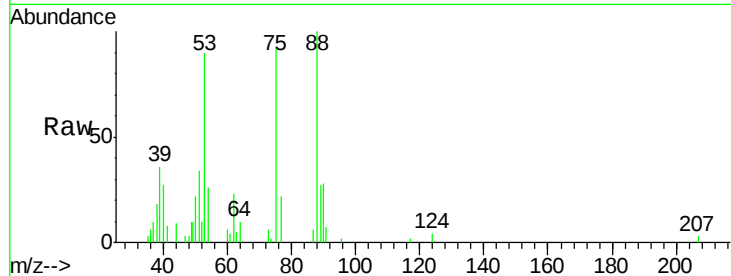
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	10969
Ion	Ratio	Lower	Upper
75	100		
53	107.9	87.0	130.4
89	45.2	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 11.902 ug/l

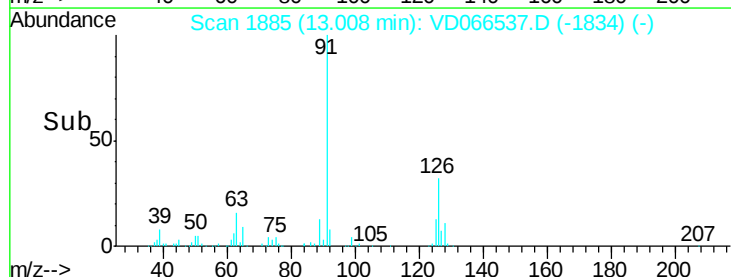
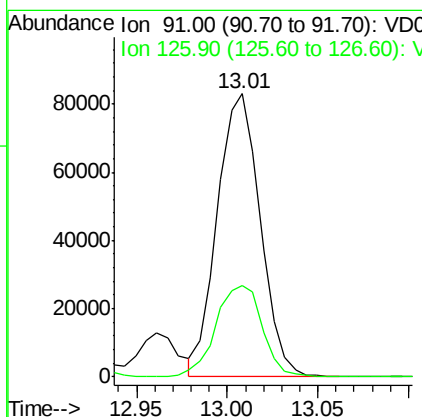
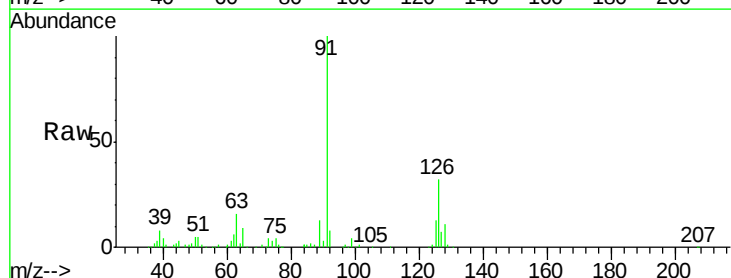
RT: 13.01 min Scan# 1885

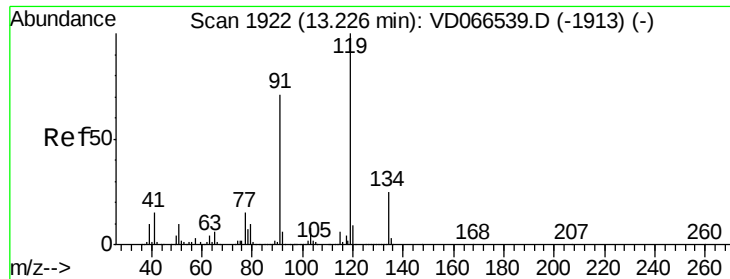
Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Tgt Ion:	91	Resp:	136611
Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.4	49.1





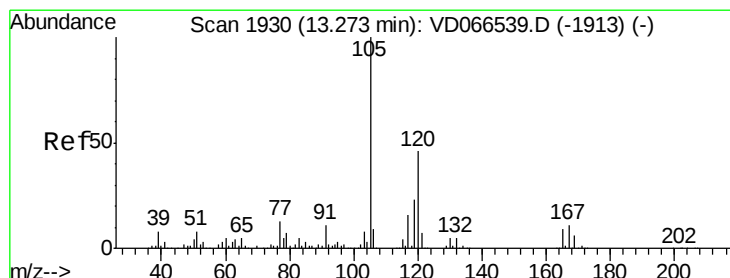
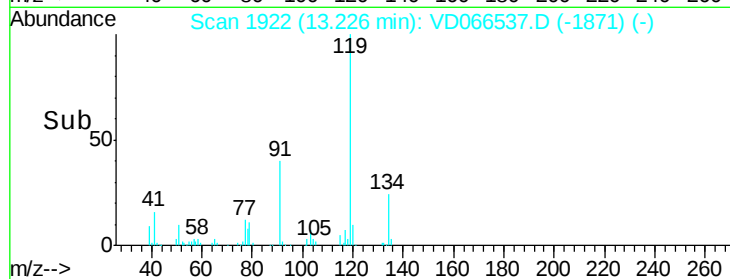
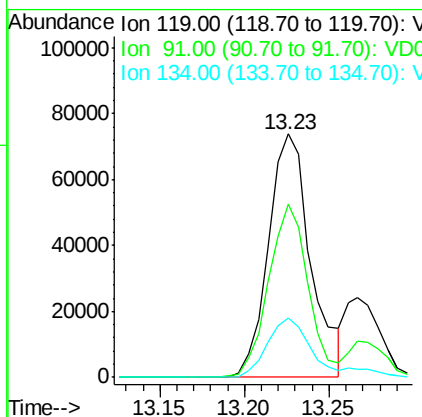
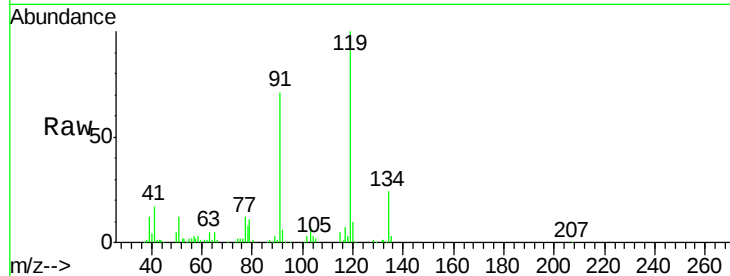
#83
tert-Butylbenzene
Concen: 10.238 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	35.2	105.6
134	27.1	13.5	40.5

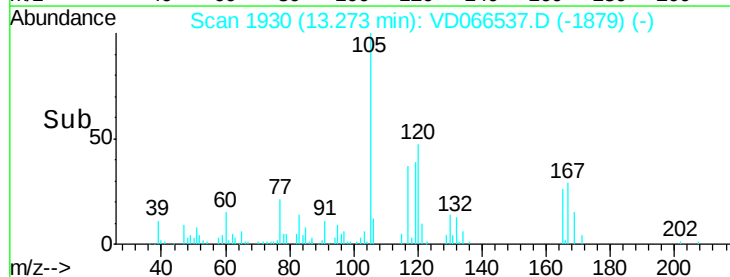
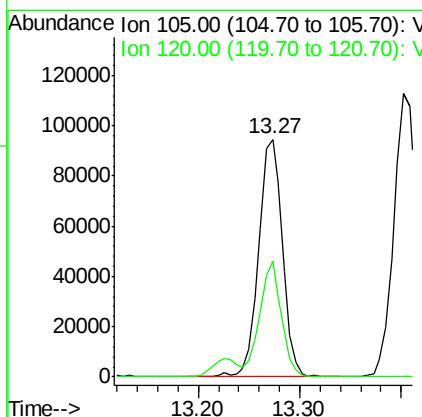
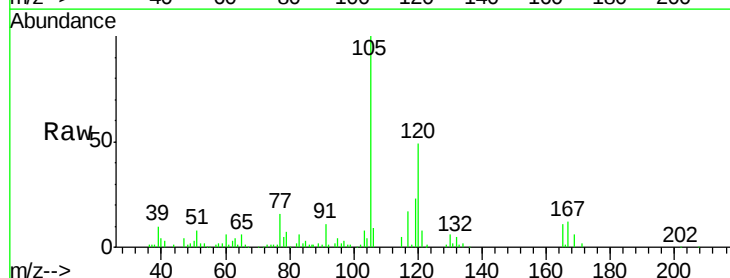
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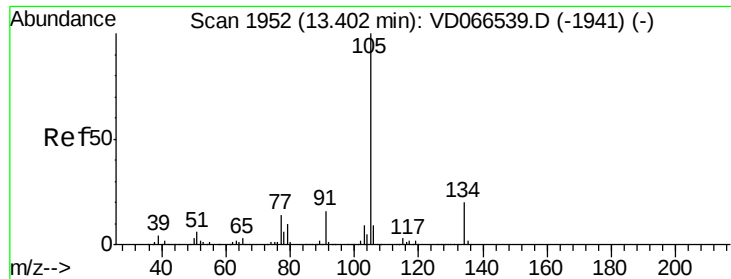
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#84
1,2,4-Trimethylbenzene
Concen: 10.734 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.6	67.7





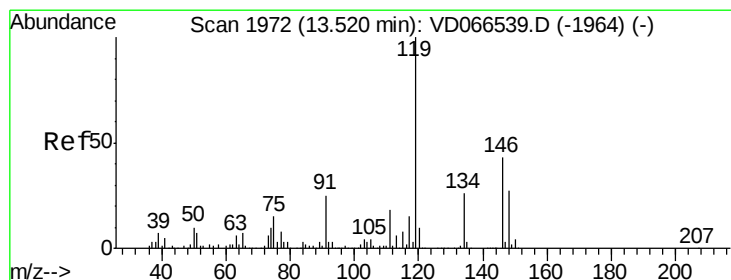
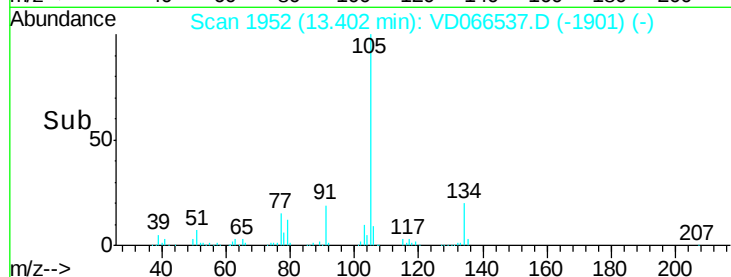
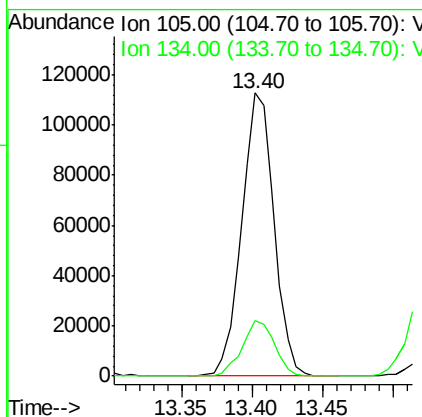
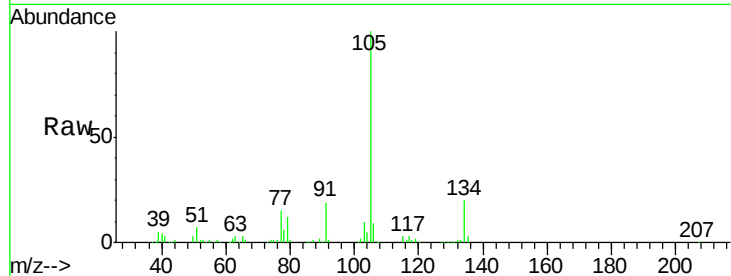
#85
 sec-Butylbenzene
 Concen: 11.053 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5

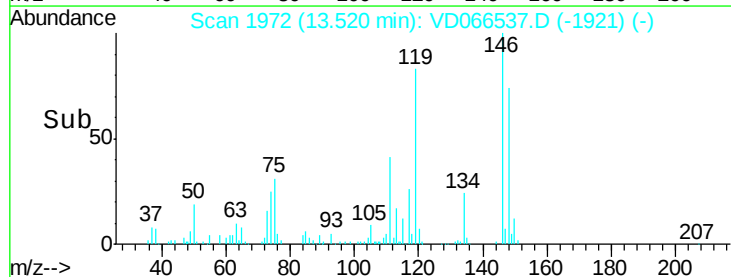
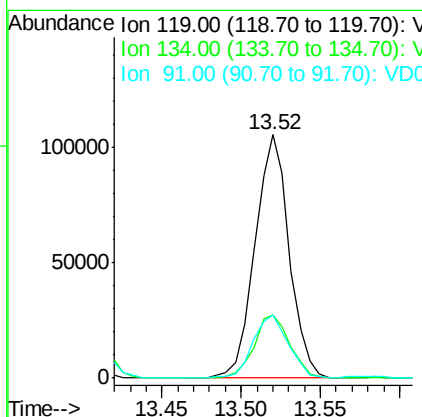
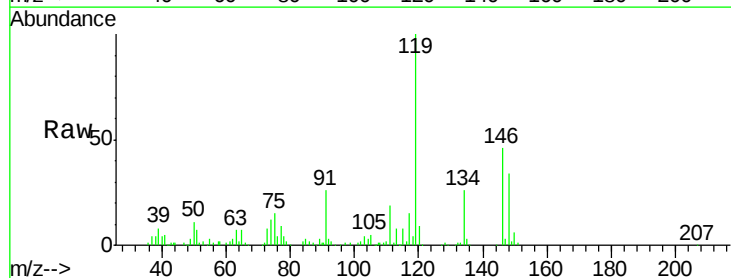
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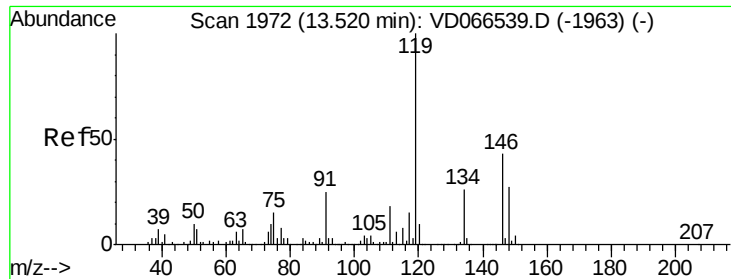
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#86
 p-Isopropyltoluene
 Concen: 9.846 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	12.7	38.0
91	26.7	12.5	37.5





#87

1,3-Dichlorobenzene

Concen: 10.816 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066537.D

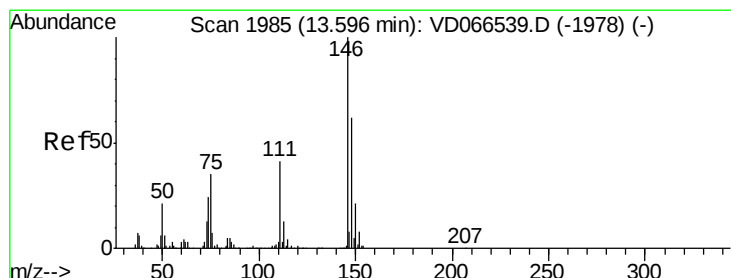
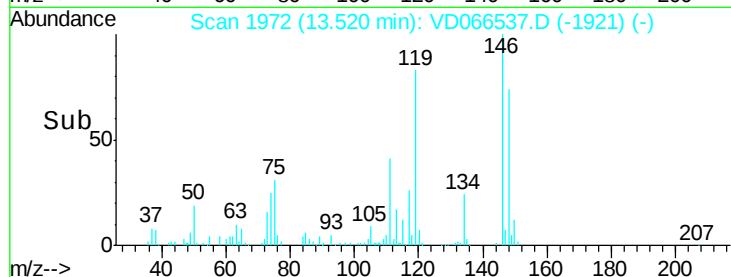
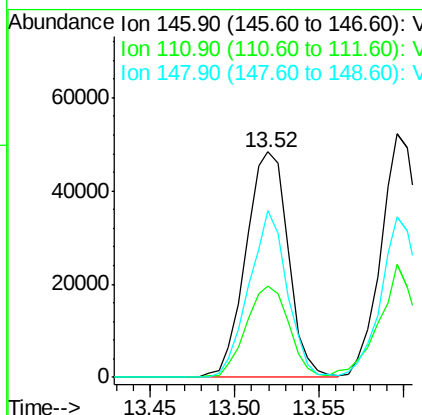
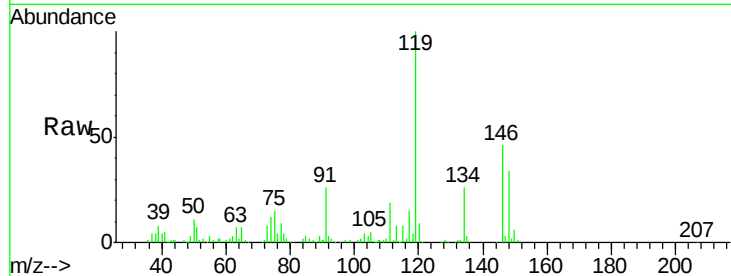
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.9
148	67.2	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 10.909 ug/l

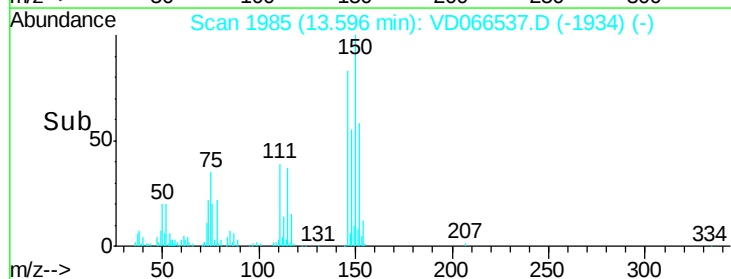
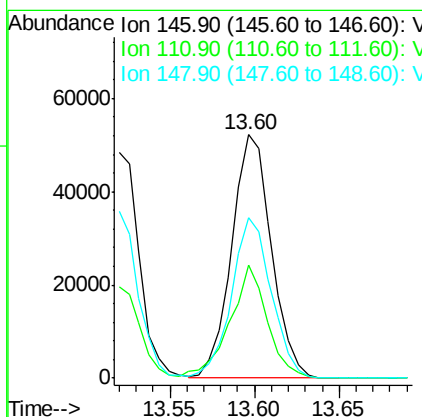
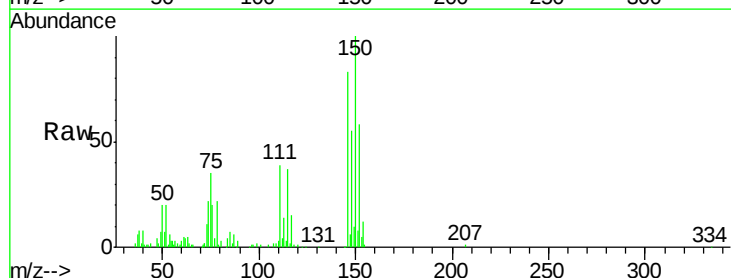
RT: 13.60 min Scan# 1985

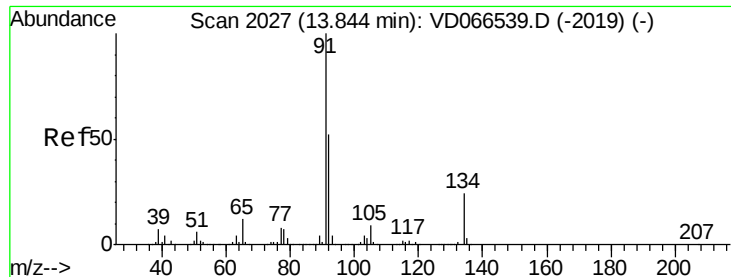
Delta R.T. -0.00 min

Lab File: VD066537.D

Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.1	60.2
148	65.7	31.6	94.8





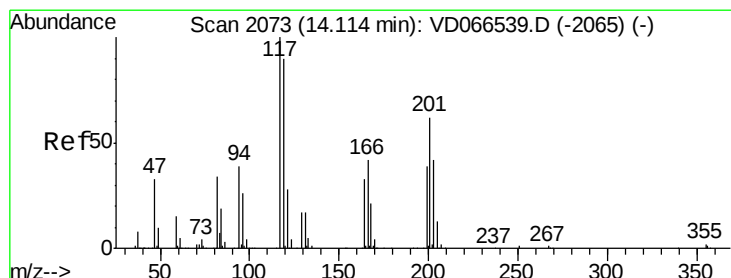
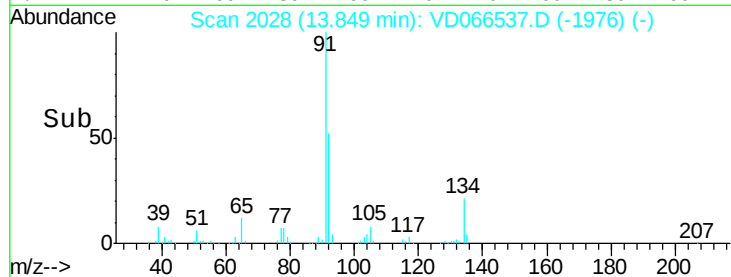
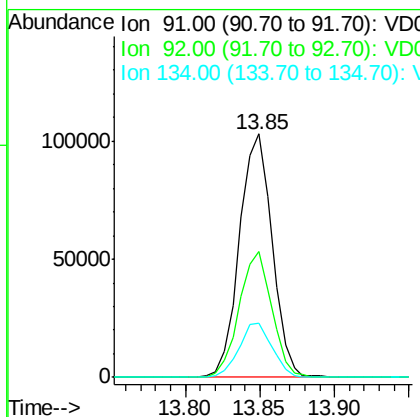
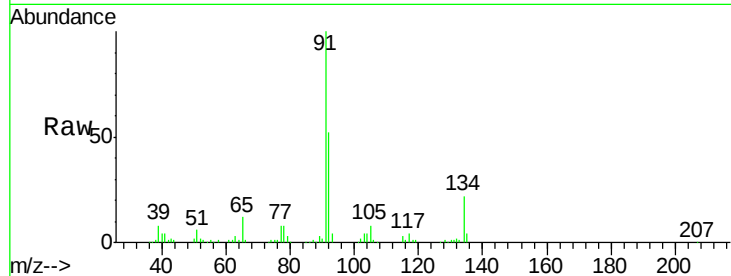
#89
n-Butylbenzene
Concen: 11.380 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.7	26.5	79.5	
134	22.7	12.1	36.3	

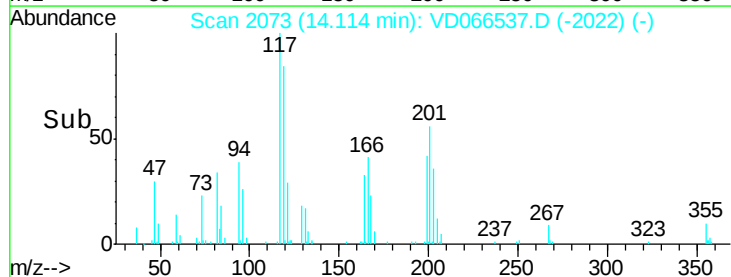
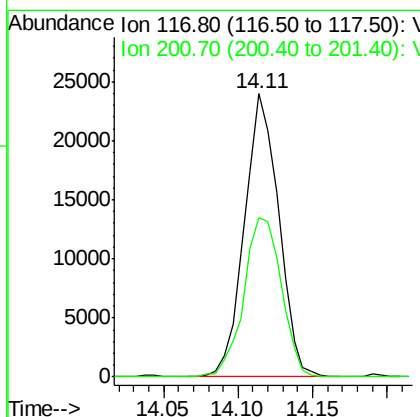
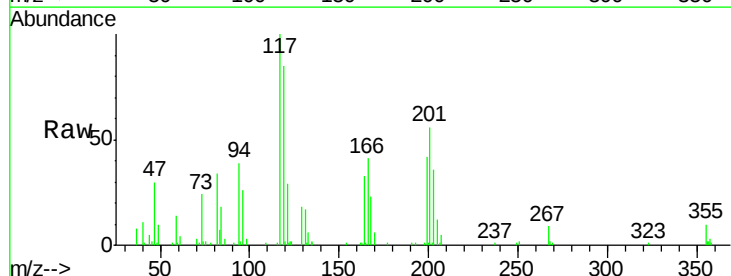
Manual Integrations
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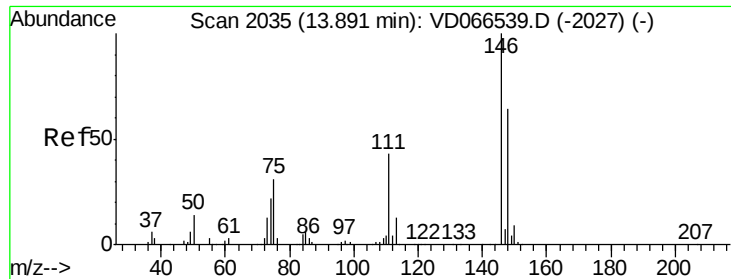
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#90
Hexachloroethane
Concen: 12.850 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	61.3	31.9	95.5	





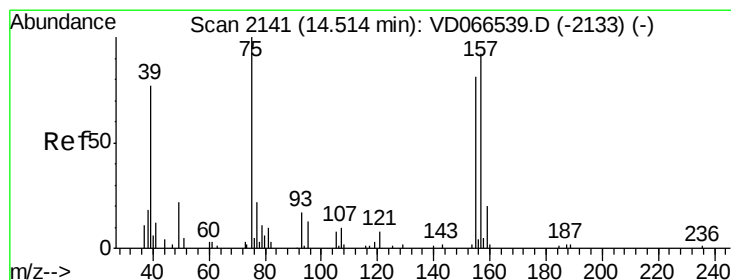
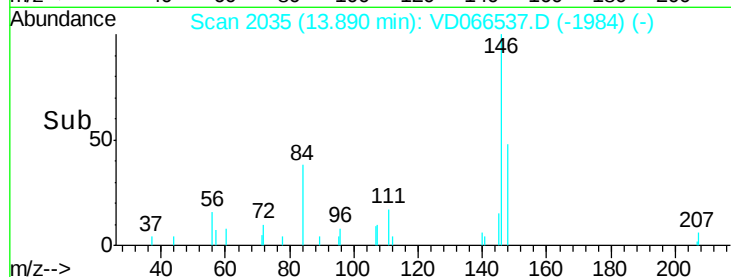
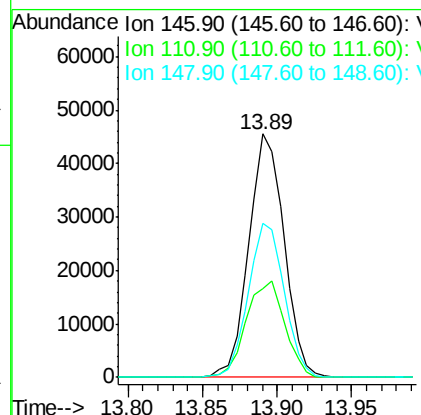
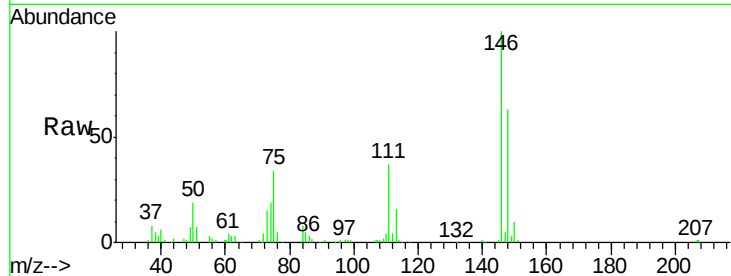
#91
 1,2-Dichlorobenzene
 Concen: 11.022 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.4
148	64.5	31.8	95.3

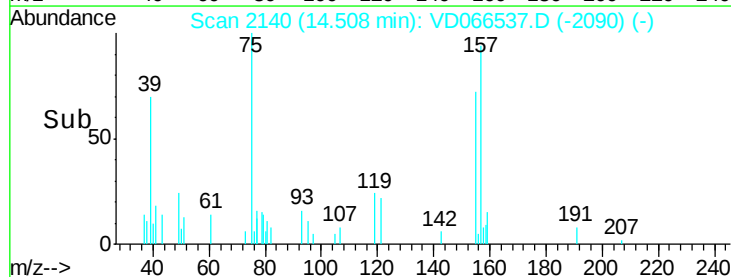
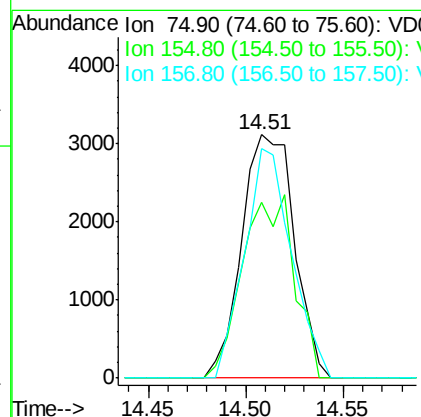
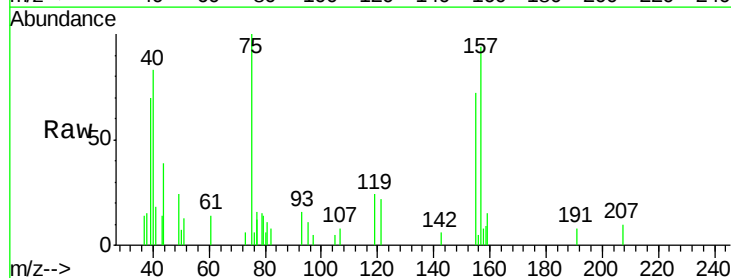
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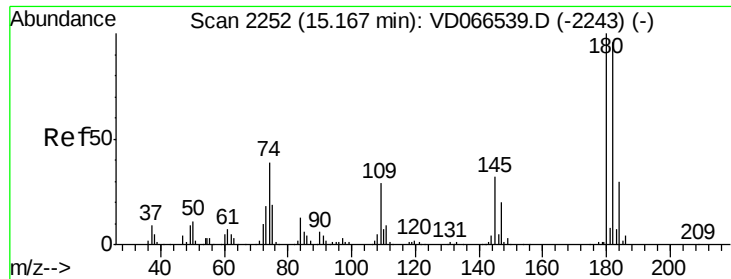
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.290 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	39.3	117.8
157	84.5	46.0	137.8





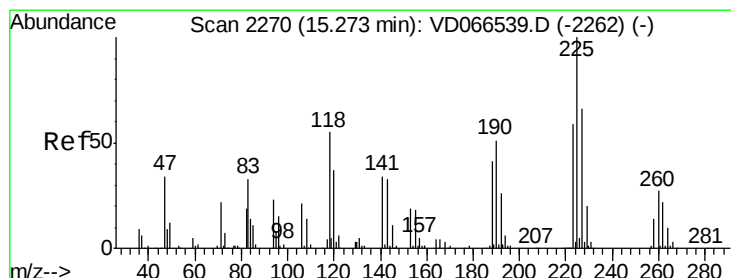
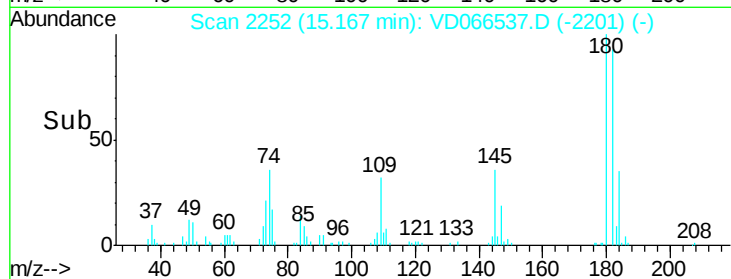
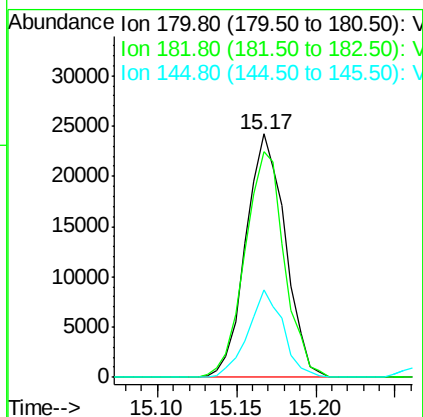
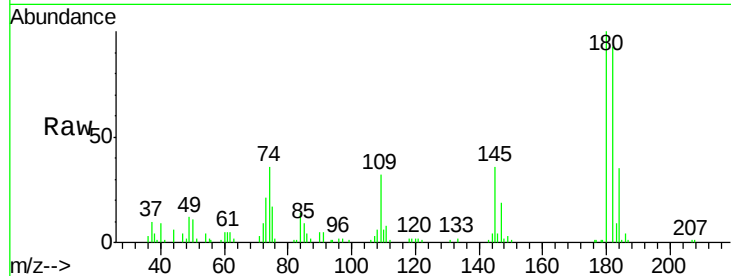
#93
 1,2,4-Trichlorobenzene
 Concen: 8.175 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	41792		
182	93.0		48.4	145.0
145	32.4		16.7	50.0

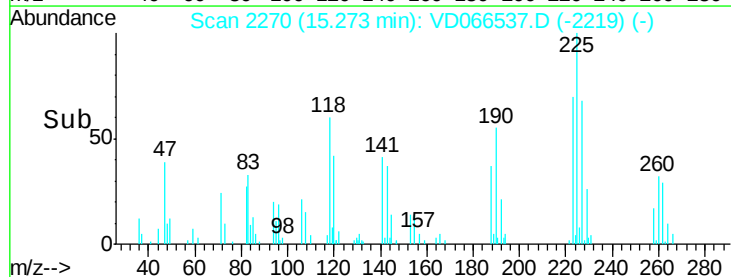
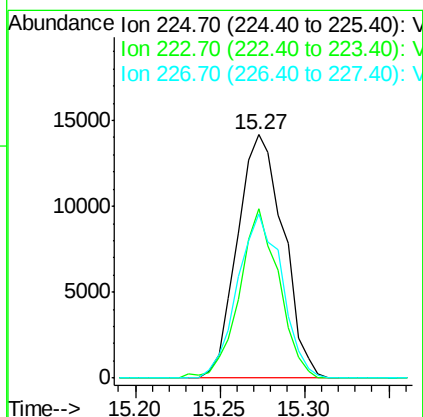
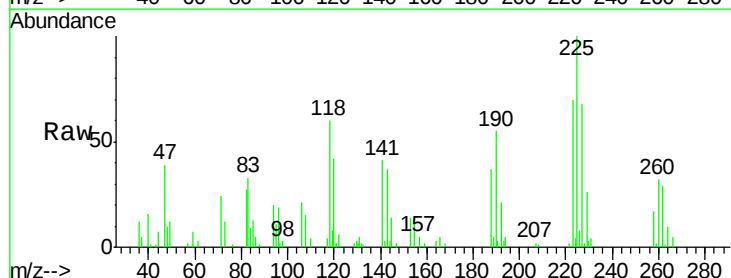
Manual Integrations
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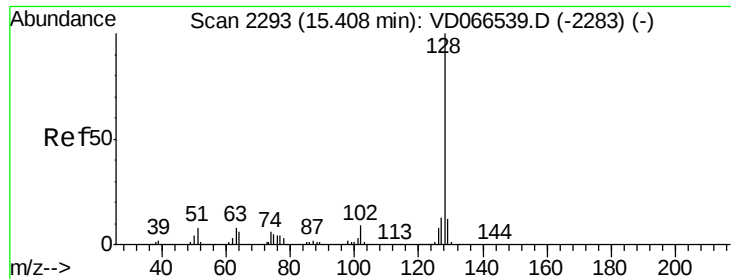
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#94
 Hexachlorobutadiene
 Concen: 8.149 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066537.D
 Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26741		
223	59.6		30.5	91.5
227	65.2		32.4	97.2





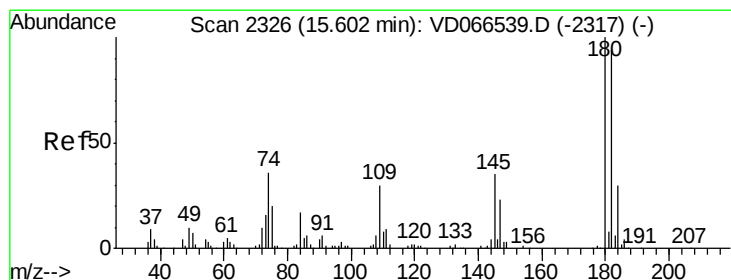
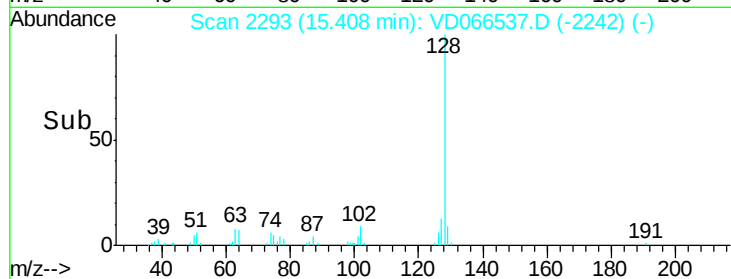
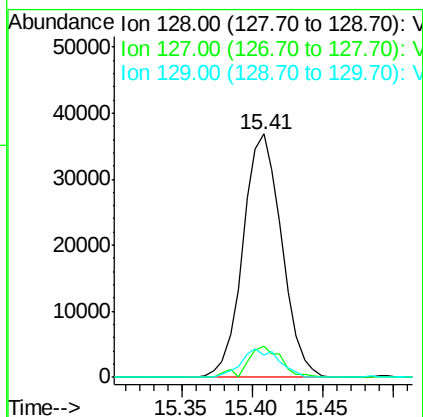
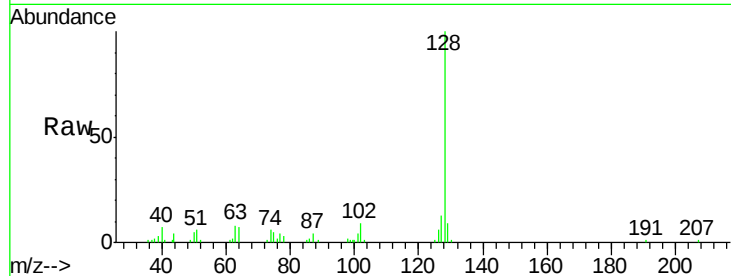
#95
Naphthalene
Concen: 8.659 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.7	16.1
129	11.5	9.1	13.7

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 8.244 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066537.D
Acq: 03 Sep 2020 15:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.6
145	34.1	17.3	51.7

