

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081120\
 Data File : VD066181.D
 Acq On : 11 Aug 2020 12:28
 Operator : VA/SY
 Sample : VD0811SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Manual Integrations
 APPROVED

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 8/12/2020 3:57:43 PM

Quant Time: Aug 11 15:28:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	321233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	472379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	442094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227934	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	147573	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
35) Dibromofluoromethane	7.91	113	152989	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.34	98	570379	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.63	95	200309	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.99	85	55515	19.615	ug/l	96
3) Chloromethane	2.20	50	44479	20.203	ug/l	96
4) Vinyl Chloride	2.34	62	39763	20.401	ug/l	95
5) Bromomethane	2.75	94	26702	20.649	ug/l	94
6) Chloroethane	2.91	64	23497	19.639	ug/l	93
7) Trichlorofluoromethane	3.27	101	94433	18.584	ug/l	95
8) Diethyl Ether	3.70	74	27060	18.873	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	56653	18.786	ug/l	98
10) Methyl Iodide	4.29	142	54597	23.928	ug/l	97
11) Tert butyl alcohol	5.21	59	28053m	109.783	ug/l	
12) 1,1-Dichloroethene	4.06	96	53374	18.761	ug/l	90
13) Acrolein	3.91	56	18375	80.550	ug/l	98
14) Allyl chloride	4.70	41	81212	18.843	ug/l	99
15) Acrylonitrile	5.42	53	59460	98.412	ug/l	97
16) Acetone	4.15	43	52755	97.015	ug/l	96
17) Carbon Disulfide	4.40	76	165777	18.327	ug/l	100
18) Methyl Acetate	4.71	43	27380	19.823	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	119477	18.323	ug/l	97
20) Methylene Chloride	4.96	84	75074	21.369	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	61877	18.934	ug/l	91
22) Diisopropyl ether	6.36	45	172419	20.230	ug/l	98
23) Vinyl Acetate	6.30	43	480203	96.174	ug/l	96
24) 1,1-Dichloroethane	6.26	63	100420	19.039	ug/l	100
25) 2-Butanone	7.21	43	75634	94.566	ug/l	95
26) 2,2-Dichloropropane	7.20	77	92561	19.580	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	65816	19.200	ug/l	97
28) Bromochloromethane	7.54	49	42900	23.157	ug/l	94
29) Tetrahydrofuran	7.56	42	47241	95.335	ug/l	98
30) Chloroform	7.70	83	107504	19.411	ug/l	99
31) Cyclohexane	7.98	56	93421	18.607	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	99872	19.232	ug/l	100
36) 1,1-Dichloropropene	8.11	75	82864	18.668	ug/l	99
37) Ethyl Acetate	7.29	43	32870	18.689	ug/l	97
38) Carbon Tetrachloride	8.08	117	90918	18.367	ug/l	93

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	98845	18.421	ug/l	96
40) Benzene	8.34	78	235880	19.155	ug/l	96
41) Methacrylonitrile	7.51	41	17589	17.009	ug/l	95
42) 1,2-Dichloroethane	8.42	62	69375	19.178	ug/l	98
43) Isopropyl Acetate	8.44	43	64087	18.494	ug/l	98
44) Trichloroethene	9.11	130	67846	18.284	ug/l	99
45) 1,2-Dichloropropane	9.38	63	57933	19.236	ug/l	97
46) Dibromomethane	9.47	93	31124	18.762	ug/l	99
47) Bromodichloromethane	9.66	83	80742	18.416	ug/l #	93
48) Methyl methacrylate	9.45	41	34589	19.548	ug/l	98
49) 1,4-Dioxane	9.46	88	7855	368.559	ug/l	94
51) 4-Methyl-2-Pentanone	10.22	43	168638	94.742	ug/l	99
52) Toluene	10.40	92	154816	19.106	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	78697	18.914	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	92433	18.961	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	46250	19.362	ug/l	94
56) Ethyl methacrylate	10.66	69	53613	18.683	ug/l	98
57) 1,3-Dichloropropane	10.94	76	75244	18.974	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	141754	109.821	ug/l	99
59) 2-Hexanone	10.98	43	118788	95.090	ug/l	95
60) Dibromochloromethane	11.14	129	60833	18.446	ug/l	97
61) 1,2-Dibromoethane	11.24	107	44295	19.282	ug/l	98
64) Tetrachloroethene	10.87	164	60275	17.755	ug/l	97
65) Chlorobenzene	11.67	112	170269	18.972	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	64624	18.403	ug/l	98
67) Ethyl Benzene	11.74	91	291259	18.728	ug/l	99
68) m/p-Xylenes	11.85	106	230077	38.183	ug/l	99
69) o-Xylene	12.18	106	102392	18.680	ug/l	99
70) Styrene	12.19	104	184242	19.180	ug/l	100
71) Bromoform	12.36	173	37866	18.200	ug/l #	99
73) Isopropylbenzene	12.48	105	283083	18.605	ug/l	99
74) N-amyl acetate	12.28	43	62613	18.688	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	47057	18.138	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	30744m	16.174	ug/l	
77) Bromobenzene	12.76	156	73141	18.674	ug/l	96
78) n-propylbenzene	12.82	91	338038	19.113	ug/l	99
79) 2-Chlorotoluene	12.91	91	193496	19.129	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	241993	19.018	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	16101	18.725	ug/l	100
82) 4-Chlorotoluene	13.01	91	206024	19.294	ug/l	100
83) tert-Butylbenzene	13.23	119	206667	18.468	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	241400	18.957	ug/l	100
85) sec-Butylbenzene	13.40	105	287462	19.026	ug/l	100
86) p-Isopropyltoluene	13.52	119	264285	18.650	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	139894	19.004	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	141830	19.320	ug/l	98
89) n-Butylbenzene	13.85	91	237577	18.713	ug/l	99
90) Hexachloroethane	14.11	117	52771	18.672	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	125742	19.315	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8269	18.544	ug/l	99

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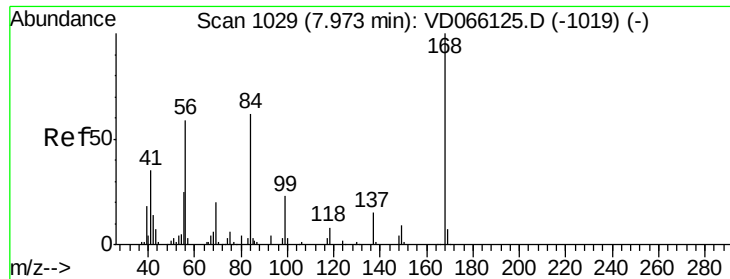
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	88746	18.498	ug/l	98
94) Hexachlorobutadiene	15.27	225	51375	18.185	ug/l	98
95) Naphthalene	15.41	128	140439	17.965	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	74492	17.589	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion:168 Resp: 321233

Ion Ratio Lower Upper

168 100

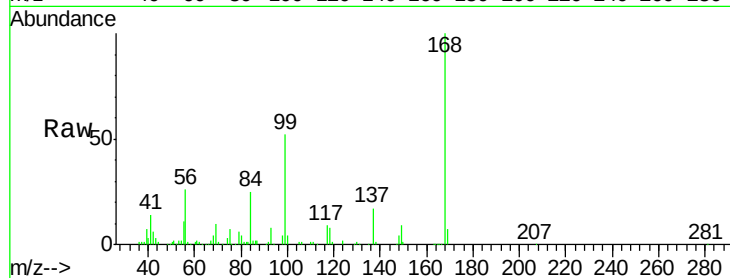
99 52.0 42.2 63.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

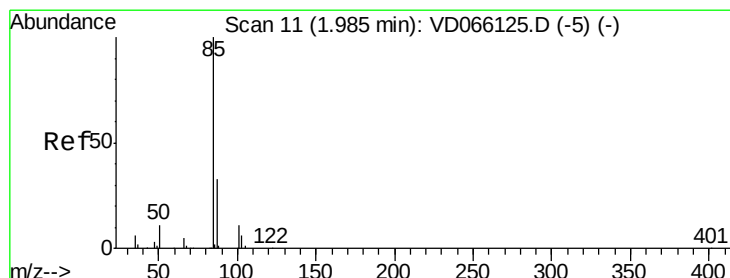
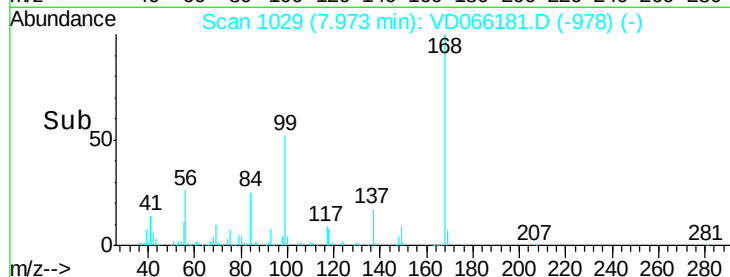
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.615 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066181.D

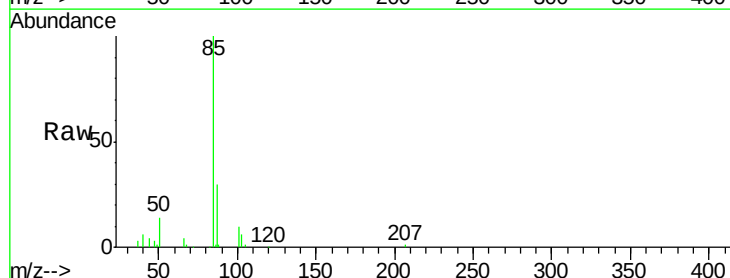
Acq: 11 Aug 2020 12:28

Tgt Ion: 85 Resp: 55515

Ion Ratio Lower Upper

85 100

87 30.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

50000

40000

30000

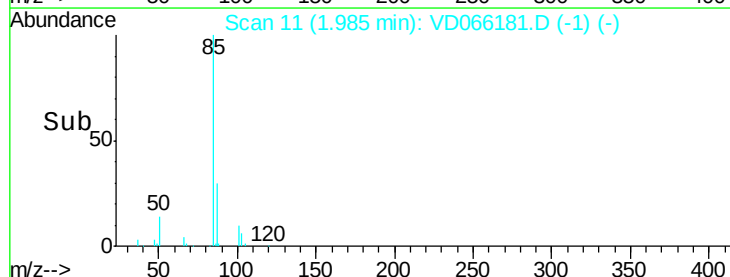
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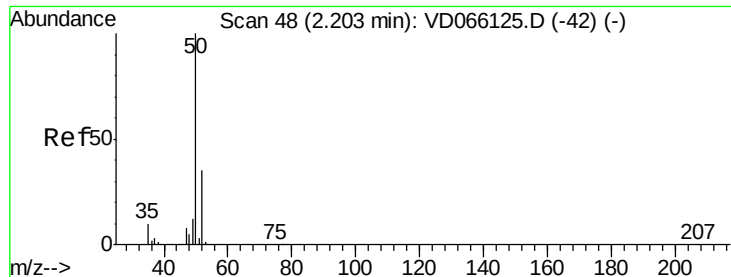
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.203 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion: 50 Resp: 44479

Ion Ratio Lower Upper

50 100

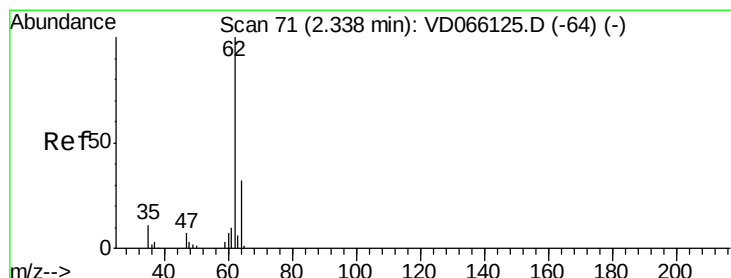
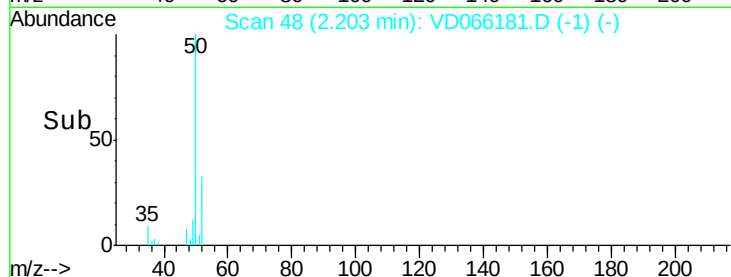
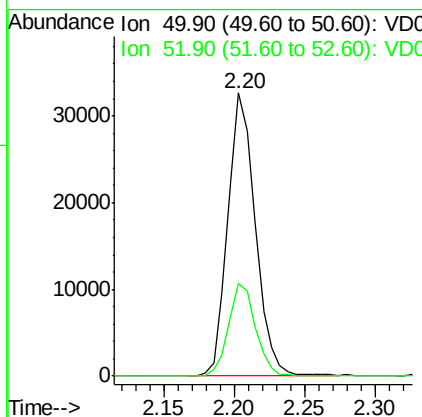
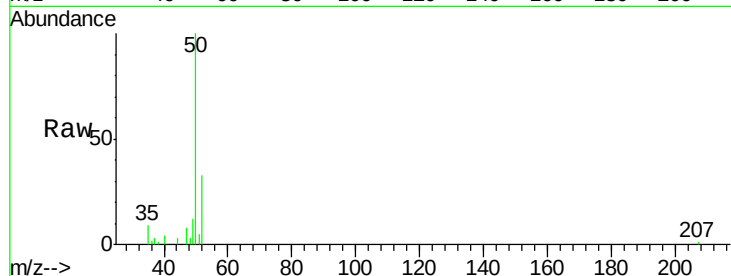
52 32.6 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.401 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066181.D

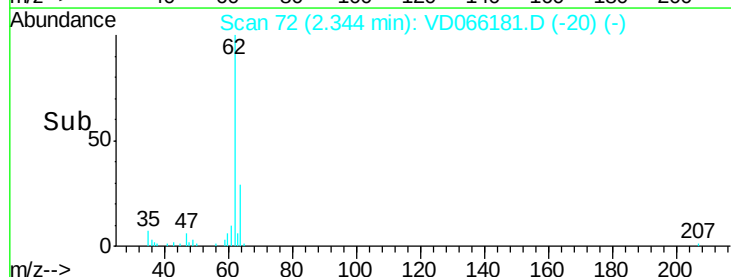
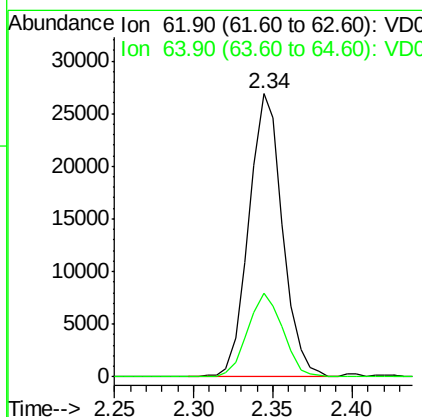
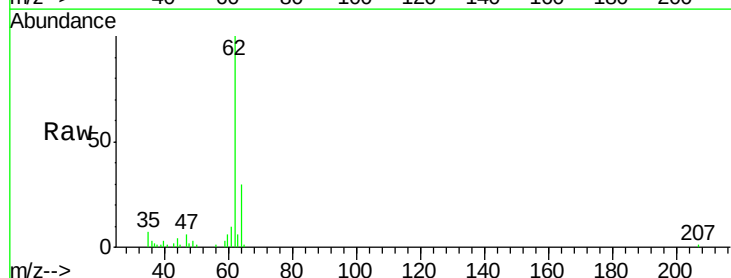
Acq: 11 Aug 2020 12:28

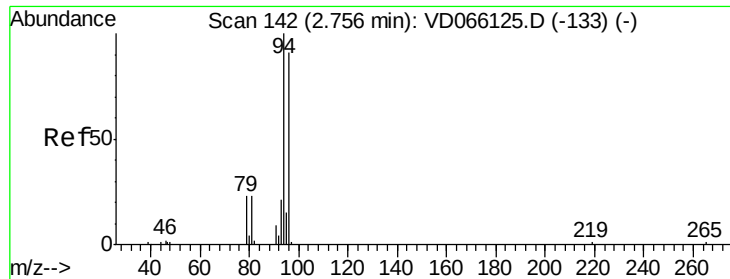
Tgt Ion: 62 Resp: 39763

Ion Ratio Lower Upper

62 100

64 29.7 25.8 38.8





#5

Bromomethane

Concen: 20.649 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.01 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion: 94 Resp: 26702

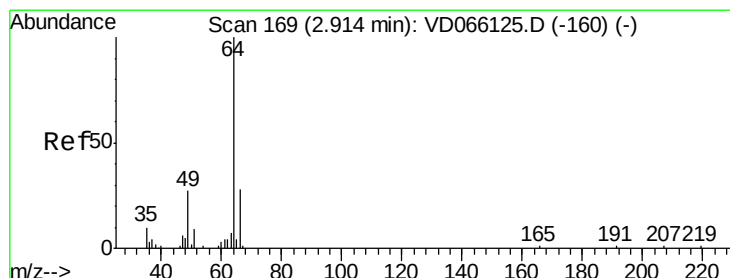
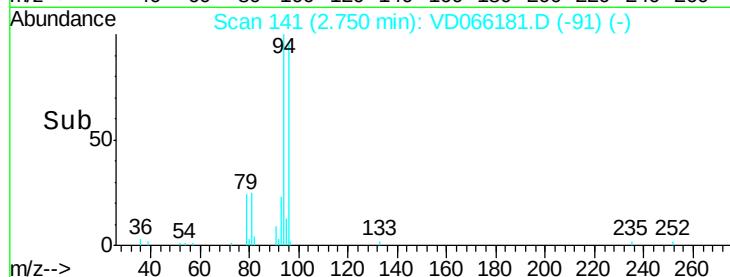
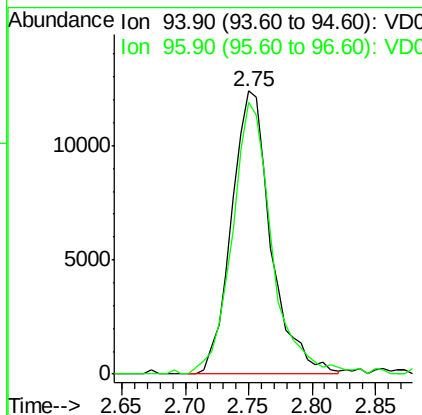
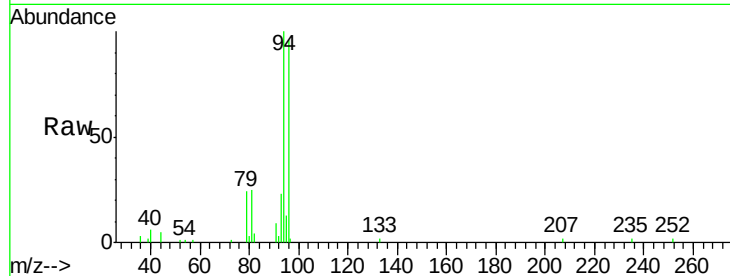
Ion Ratio Lower Upper

94 100

96 96.2 72.6 109.0

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#6

Chloroethane

Concen: 19.639 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD066181.D

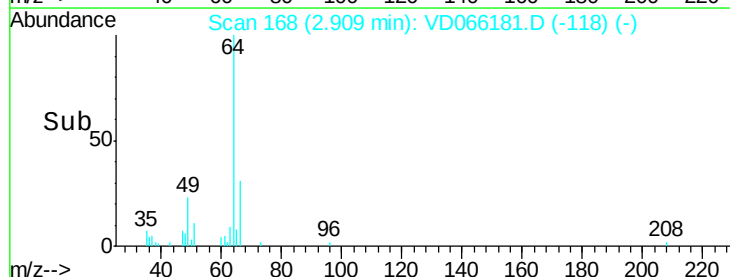
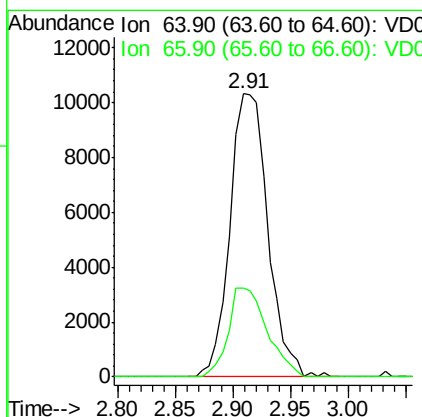
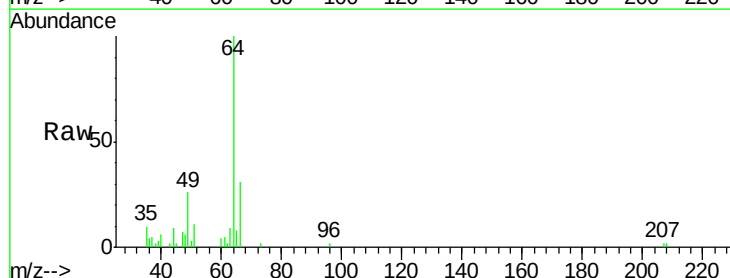
Acq: 11 Aug 2020 12:28

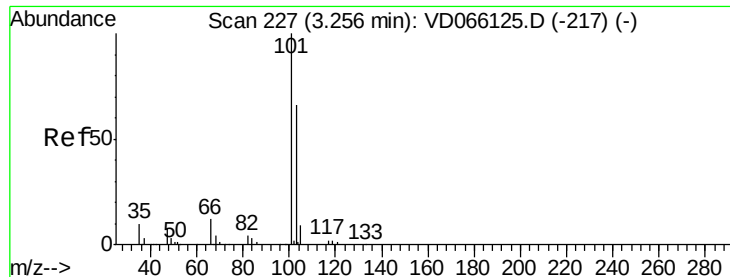
Tgt Ion: 64 Resp: 23497

Ion Ratio Lower Upper

64 100

66 31.3 22.0 33.0





#7

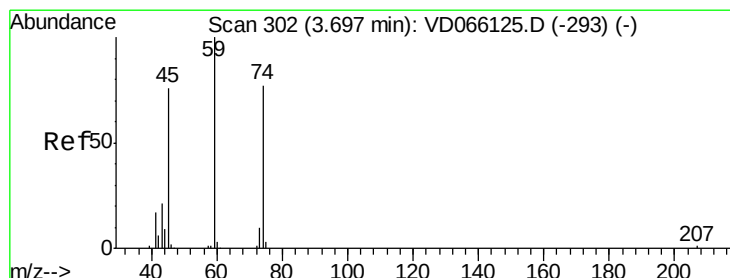
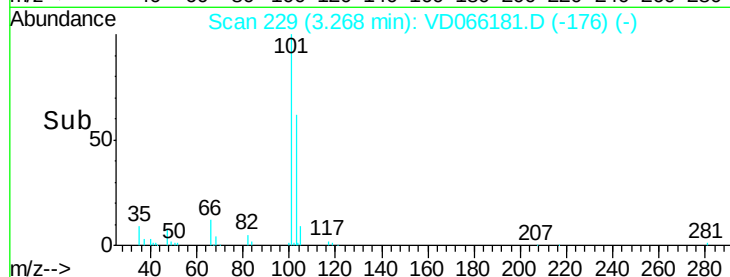
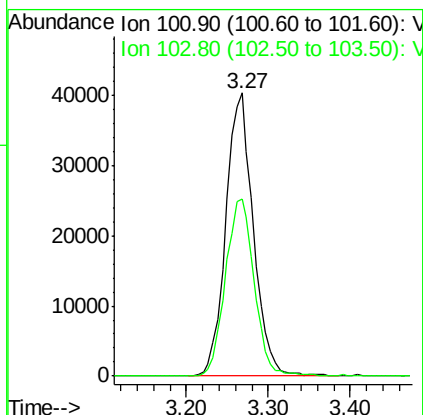
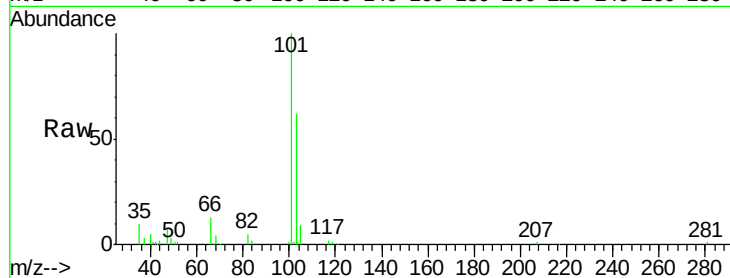
Trichlorofluoromethane
Concen: 18.584 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

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ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	53.0	79.6

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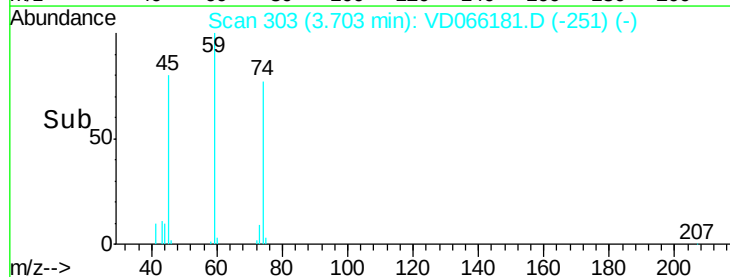
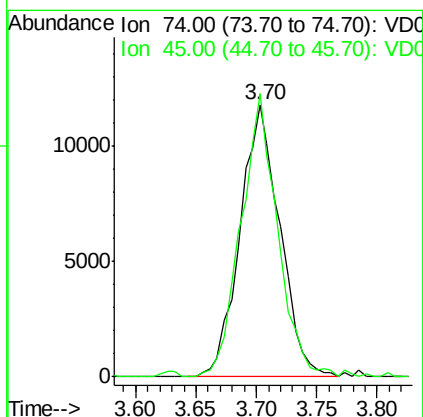
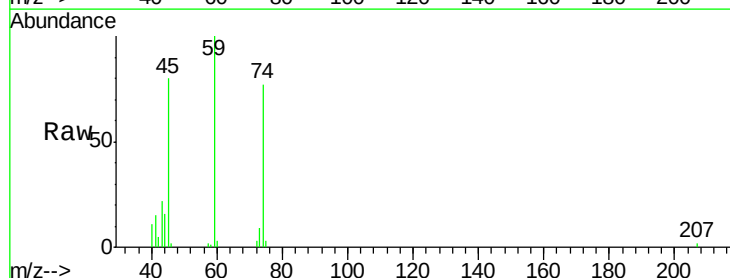
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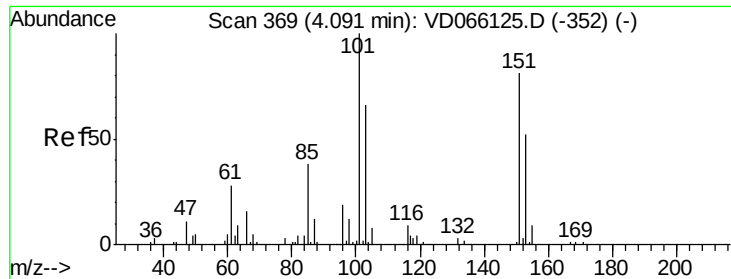


#8

Diethyl Ether
Concen: 18.873 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.786 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

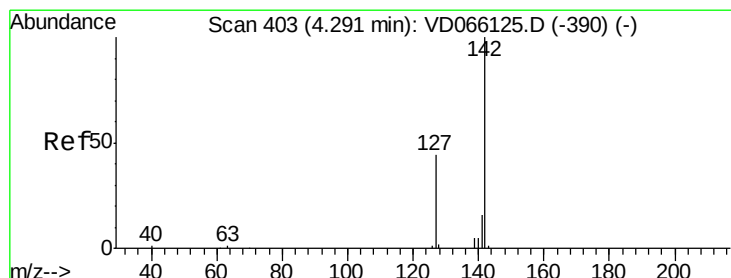
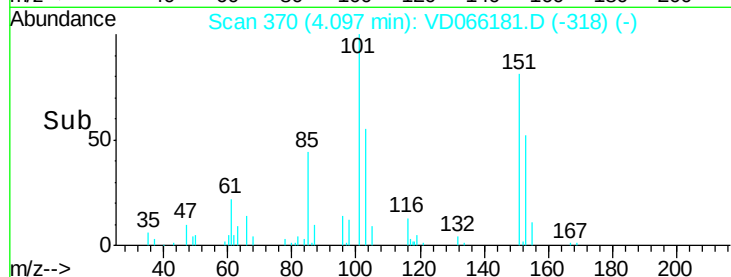
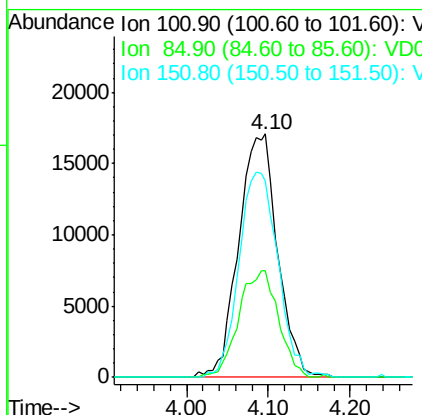
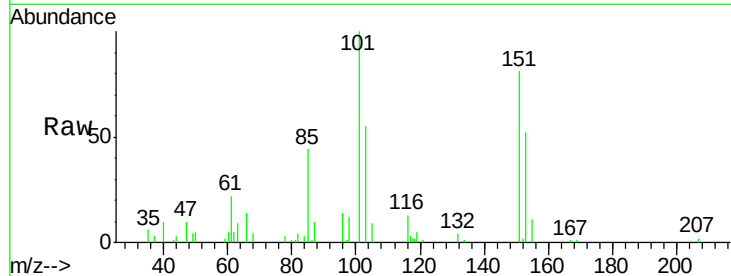
ClientSampleId :

VD0811SBS01

Tot Ion:	101	Resp:	56653
Ion Ratio	Lower	Upper	
101	100		
85	44.6	33.5	50.3
151	84.6	67.8	101.8

Manual Integrations
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#10

Methyl Iodide

Concen: 23.928 ug/l

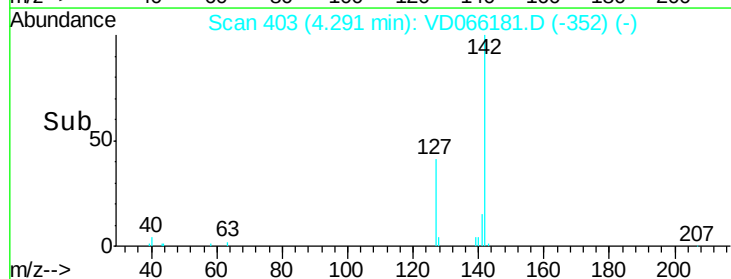
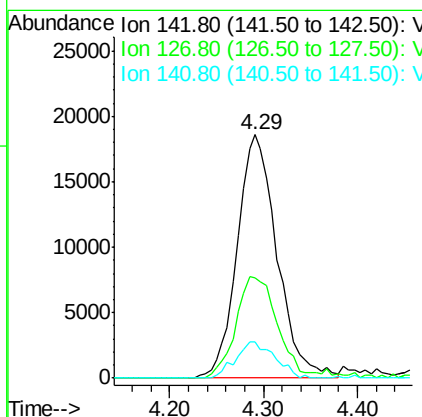
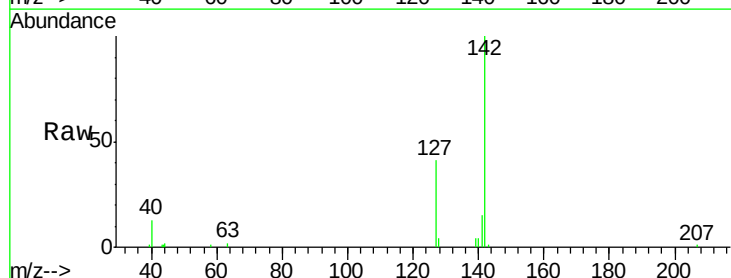
RT: 4.29 min Scan# 403

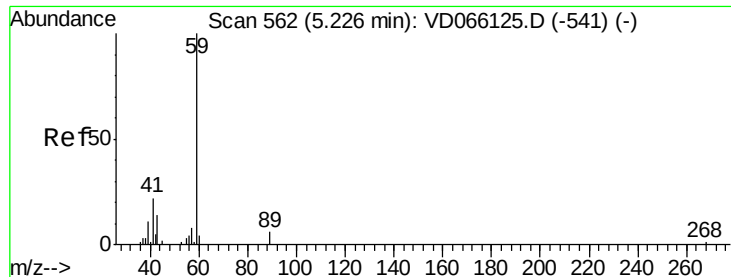
Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Tgt Ion:	142	Resp:	54597
Ion Ratio	Lower	Upper	
142	100		
127	43.1	36.2	54.4
141	14.6	12.6	18.8





#11

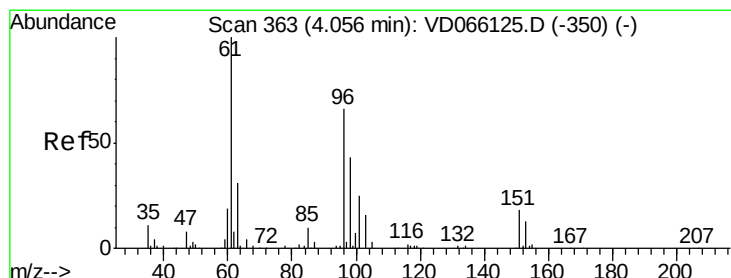
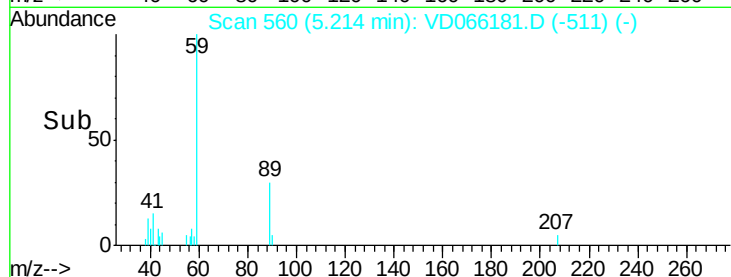
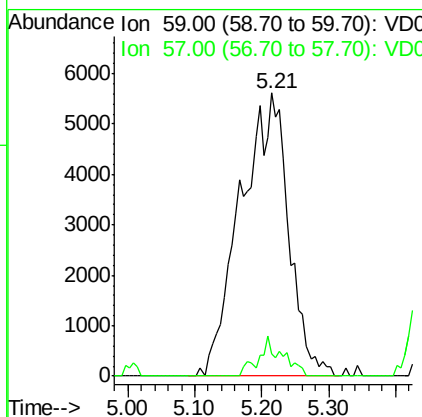
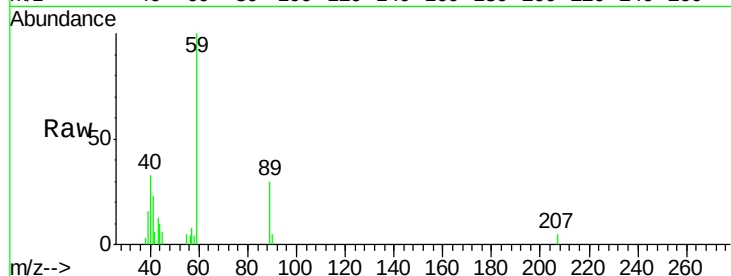
Tert butyl alcohol
 Concen: 109.783 ug/l m
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.2	7.0	10.4#

Manual Integrations
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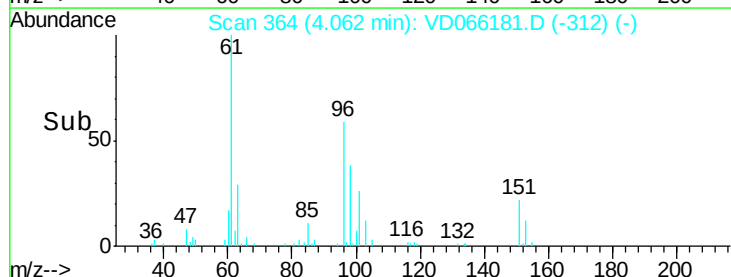
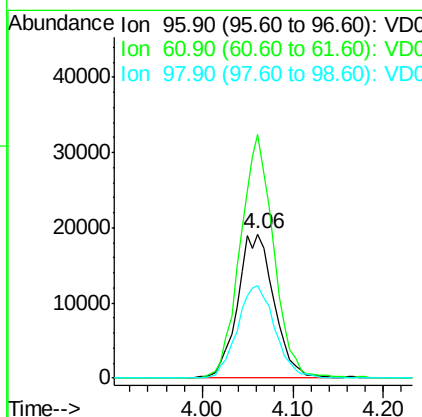
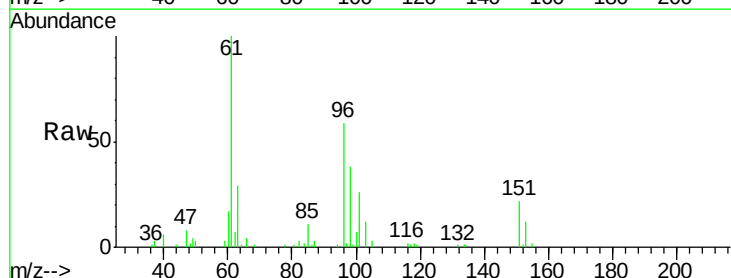
MMDadoda
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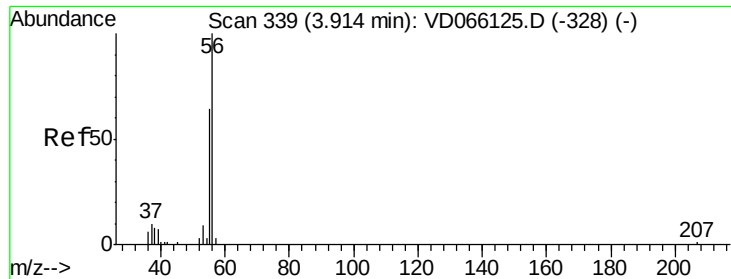


#12

1,1-Dichloroethene
 Concen: 18.761 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	121.6	182.4
98	64.5	52.0	78.0





#13

Acrolein

Concen: 80.550 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion: 56 Resp: 18375

Ion Ratio Lower Upper

56 100

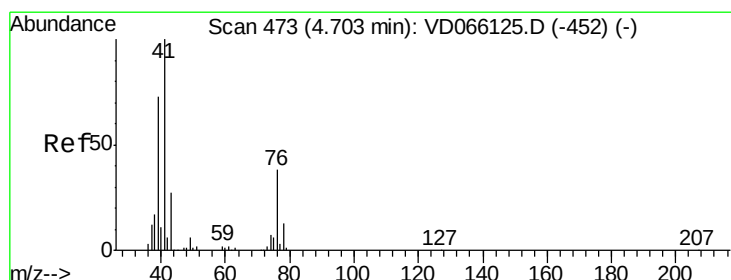
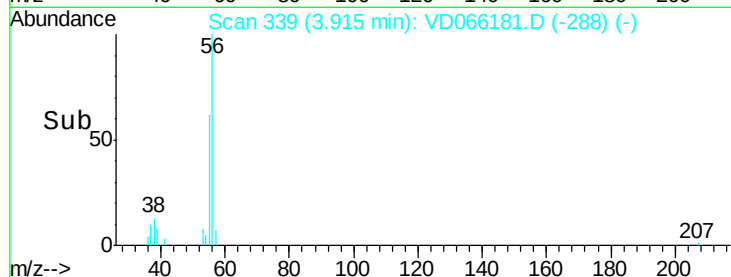
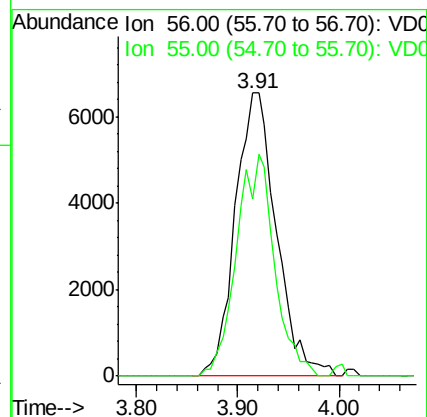
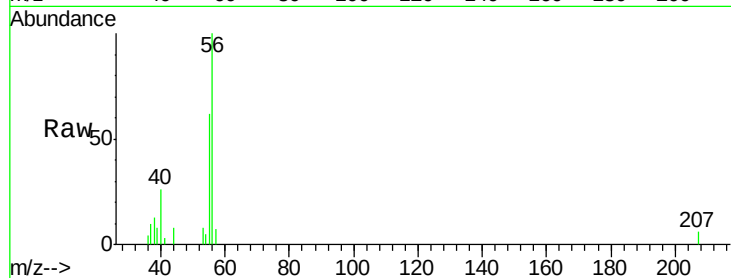
55 72.7 56.7 85.1

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#14

Allyl chloride

Concen: 18.843 ug/l

RT: 4.70 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

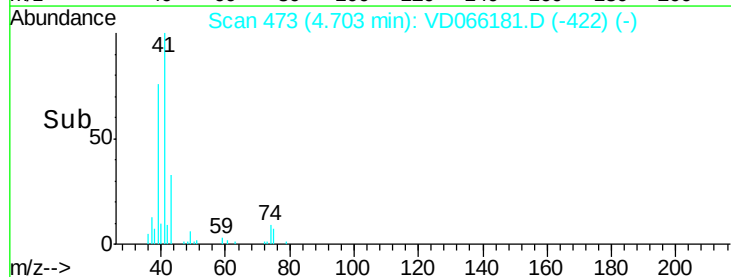
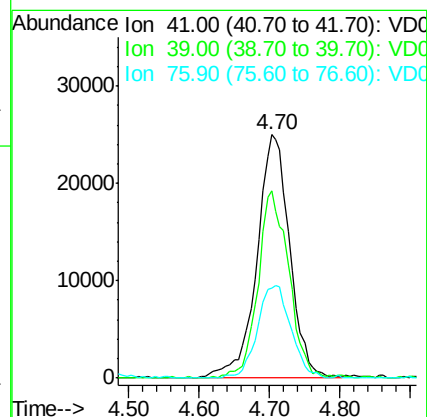
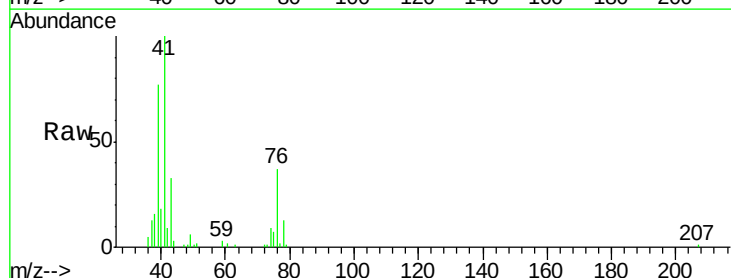
Tgt Ion: 41 Resp: 81212

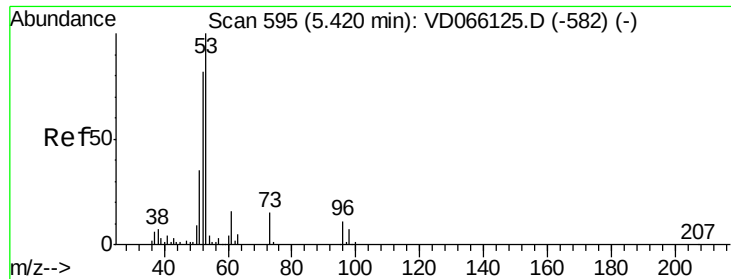
Ion Ratio Lower Upper

41 100

39 71.8 57.4 86.0

76 38.7 30.1 45.1





#15

Acrylonitrile

Concen: 98.412 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

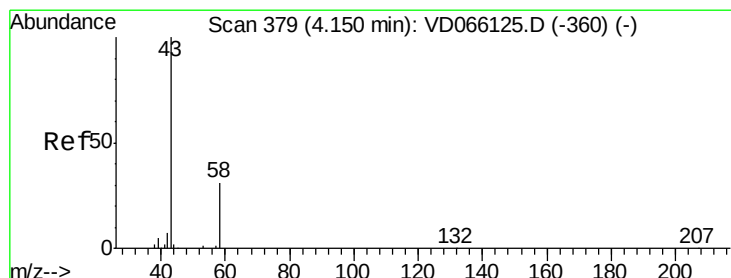
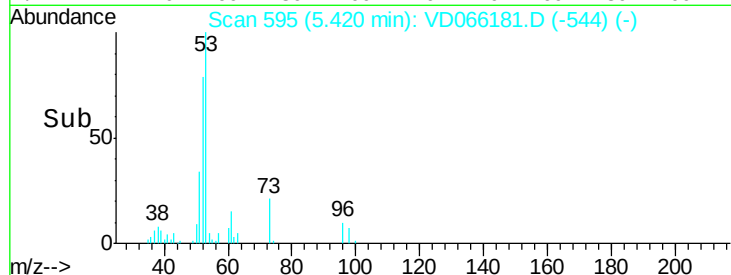
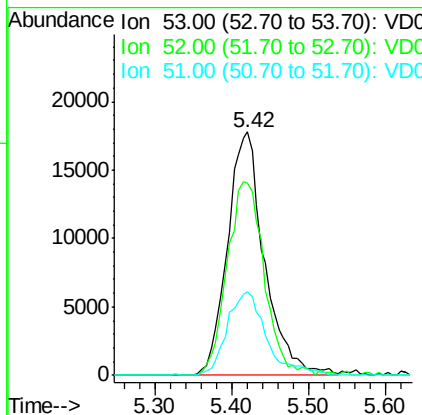
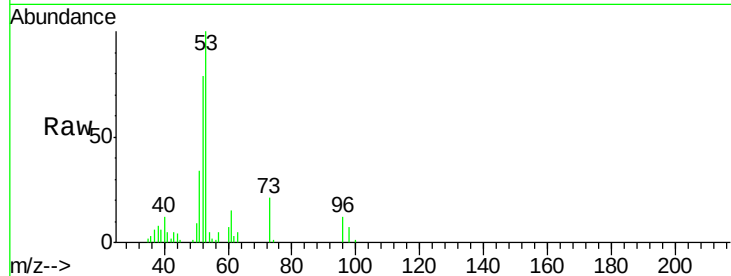
ClientSampleId :

VD0811SBS01

Tot Ion:	53	Resp:	59460
Ion Ratio	Lower	Upper	
53	100		
52	80.0	66.1	99.1
51	36.5	30.8	46.2

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#16

Acetone

Concen: 97.015 ug/l

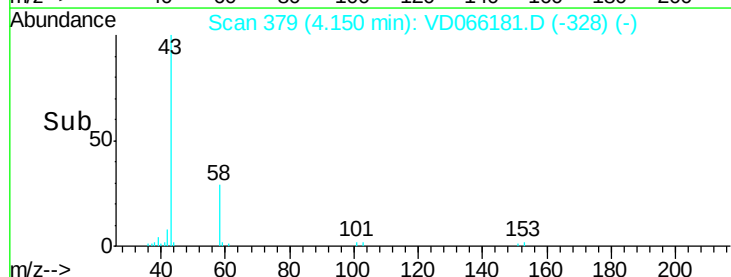
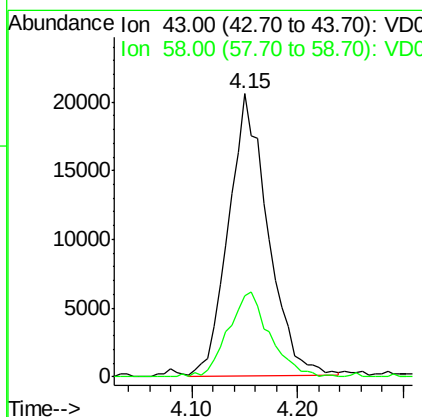
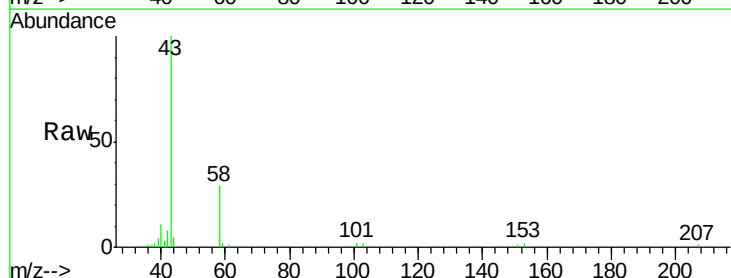
RT: 4.15 min Scan# 379

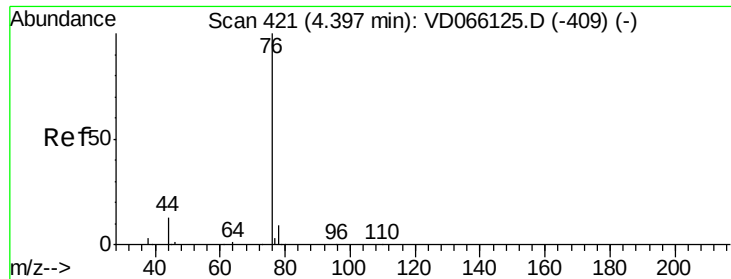
Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Tgt Ion:	43	Resp:	52755
Ion Ratio	Lower	Upper	
43	100		
58	28.9	24.7	37.1





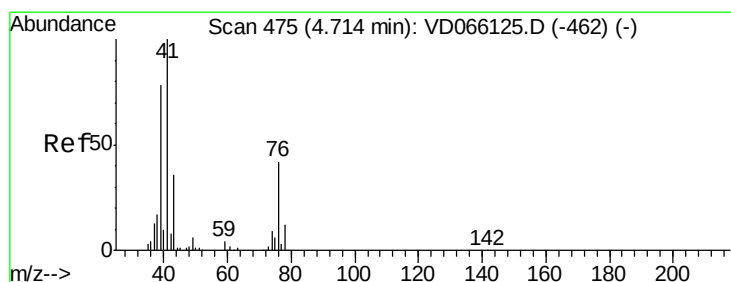
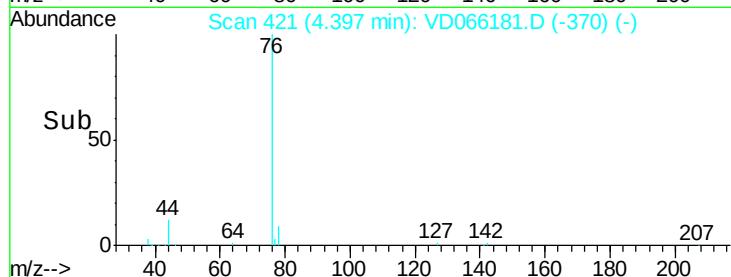
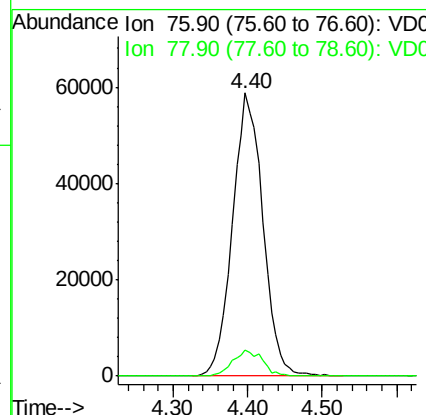
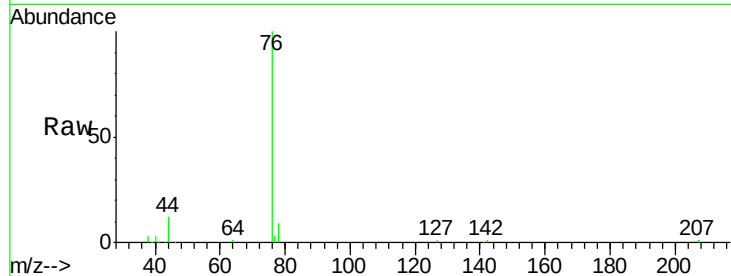
#17
Carbon Disulfide
Concen: 18.327 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	165777		
78	9.4		7.5	11.3

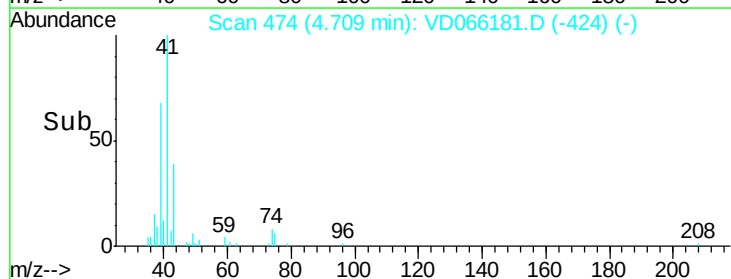
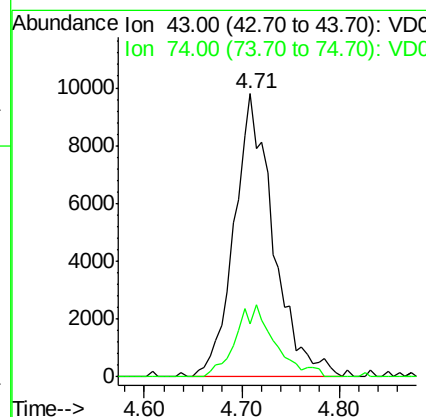
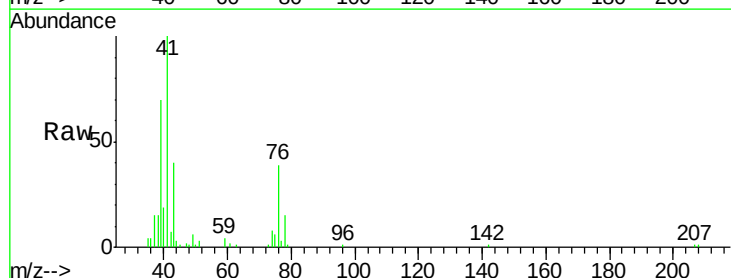
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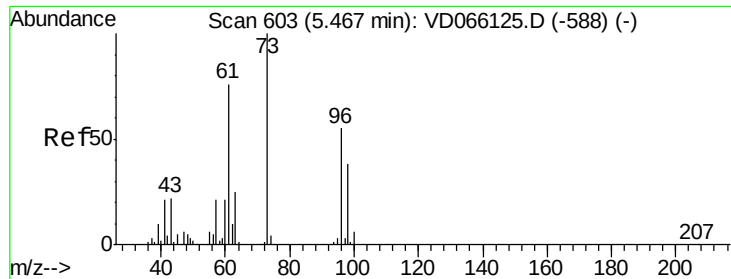
MMDadoda
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#18
Methyl Acetate
Concen: 19.823 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	27380		
74	25.5		21.2	31.8





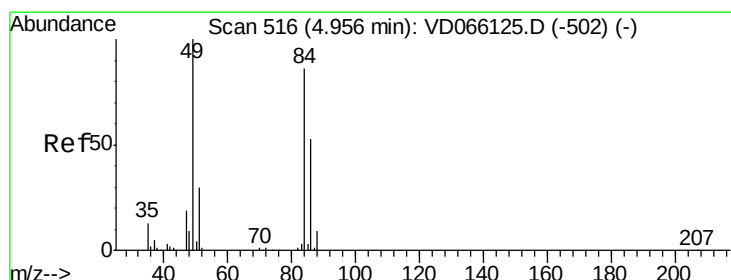
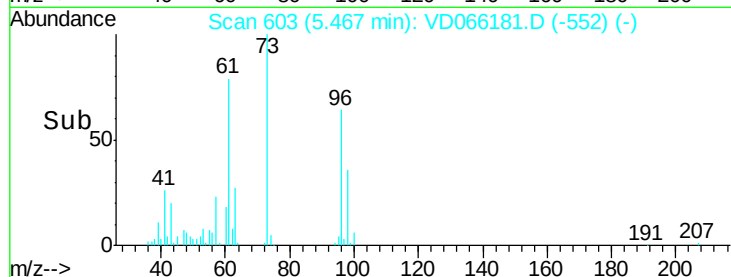
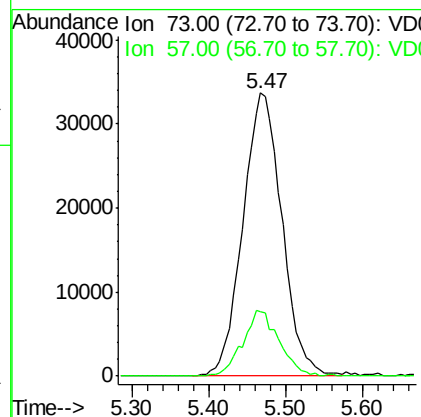
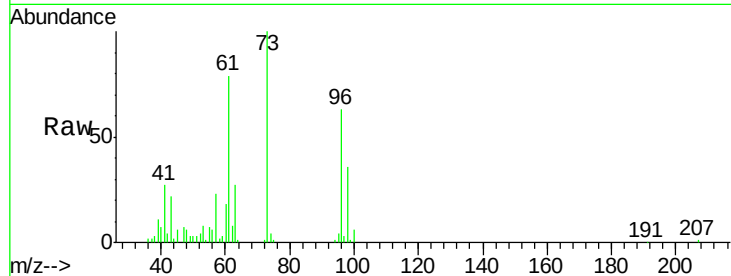
#19
Methyl tert-butyl Ether
Concen: 18.323 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion: 73 Resp: 119477
Ion Ratio Lower Upper
73 100
57 22.7 17.1 25.7

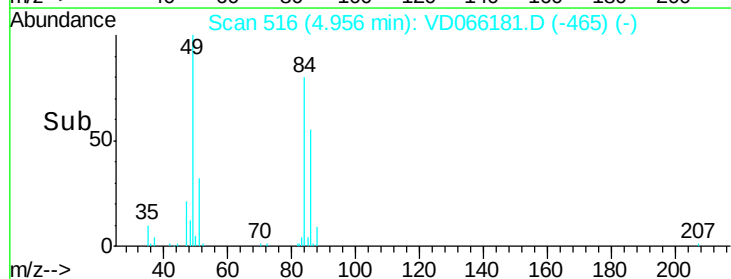
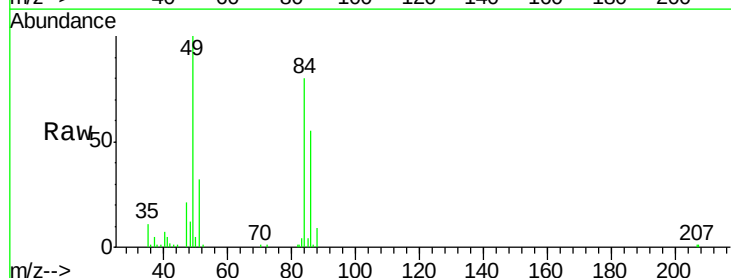
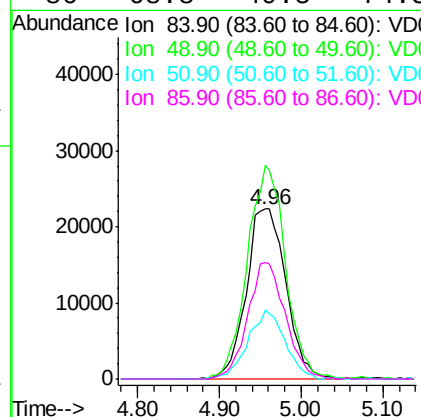
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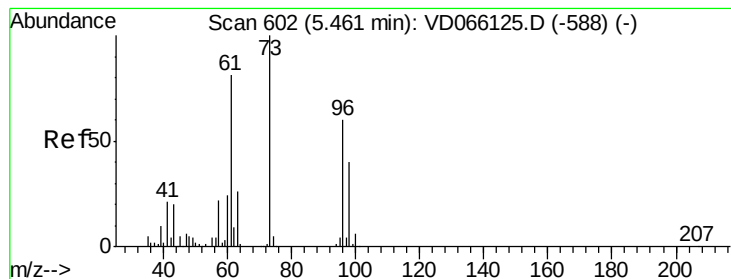
MMDadoda
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#20
Methylene Chloride
Concen: 21.369 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion: 84 Resp: 75074
Ion Ratio Lower Upper
84 100
49 125.8 93.5 140.3
51 40.5 28.2 42.4
86 68.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 18.934 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

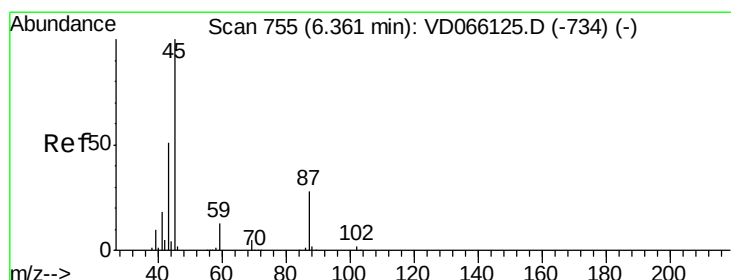
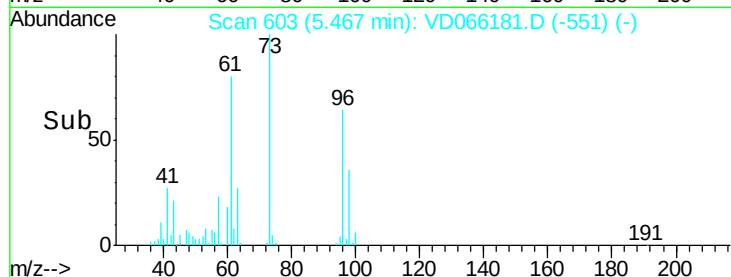
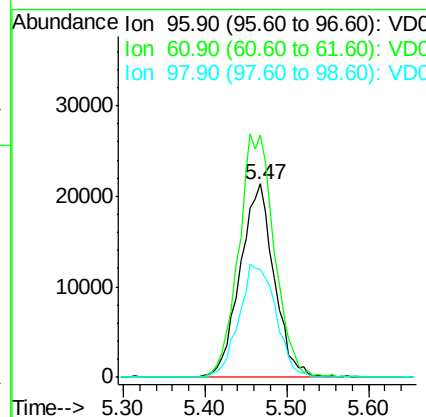
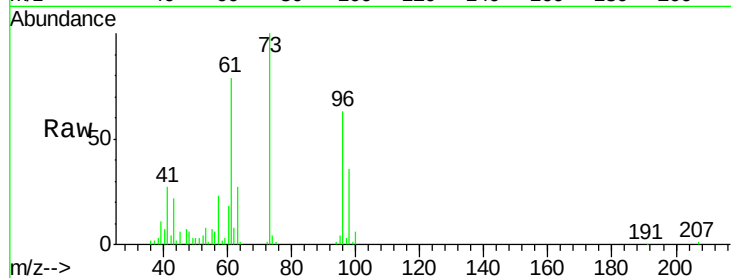
ClientSampleId :

VD0811SBS01

Tot Ion:	96	Resp:	61877
Ion	Ratio	Lower	Upper
96	100		
61	125.2	106.9	160.3
98	55.9	53.4	80.0

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#22

Diisopropyl ether

Concen: 20.230 ug/l

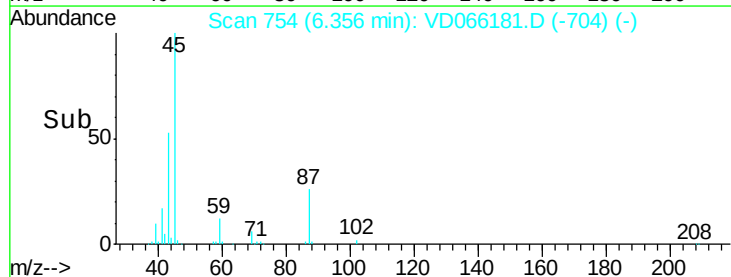
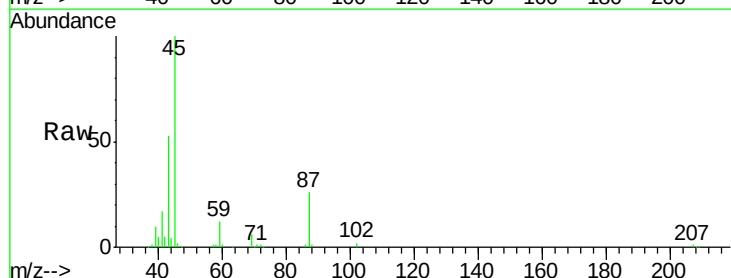
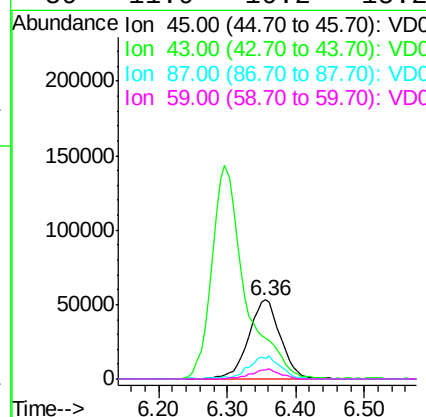
RT: 6.36 min Scan# 754

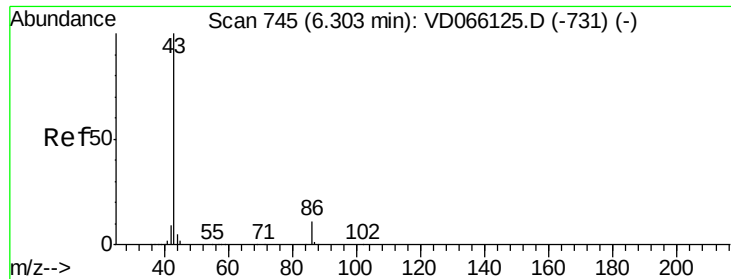
Delta R.T. -0.01 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Tgt Ion:	45	Resp:	172419
Ion	Ratio	Lower	Upper
45	100		
43	52.0	41.2	61.8
87	26.1	22.8	34.2
59	11.9	10.2	15.2





#23

Vinyl Acetate

Concen: 96.174 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion: 43 Resp: 480203

Ion Ratio Lower Upper

43 100

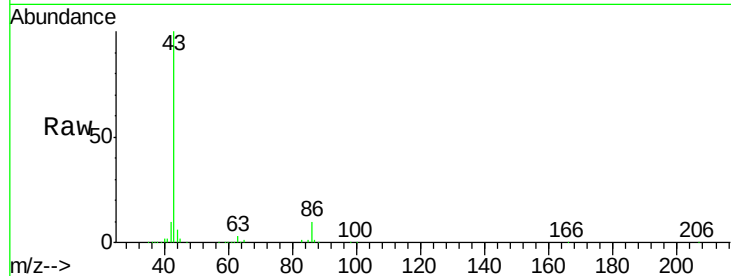
86 9.8 9.1 13.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

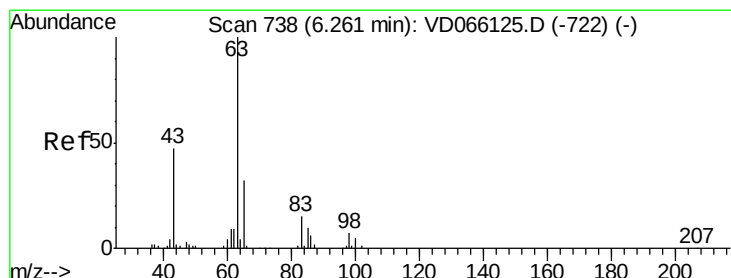
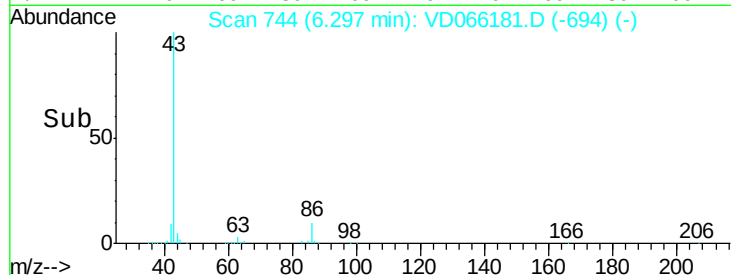
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 19.039 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

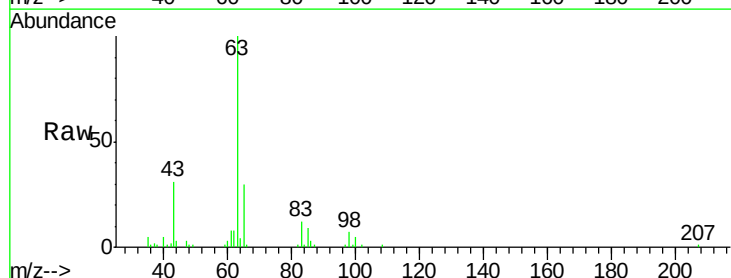
Tgt Ion: 63 Resp: 100420

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 5.0 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

40000

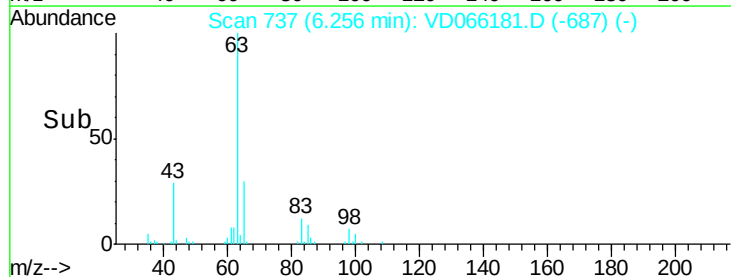
30000

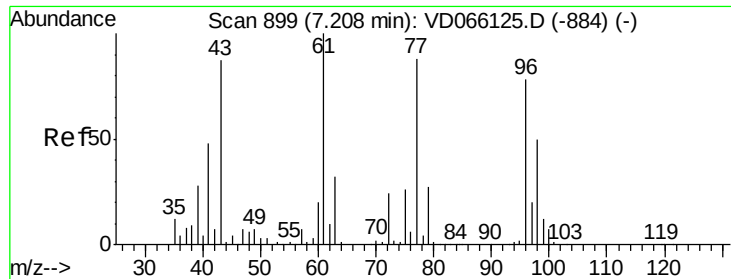
20000

10000

0

Time--> 6.20 6.30





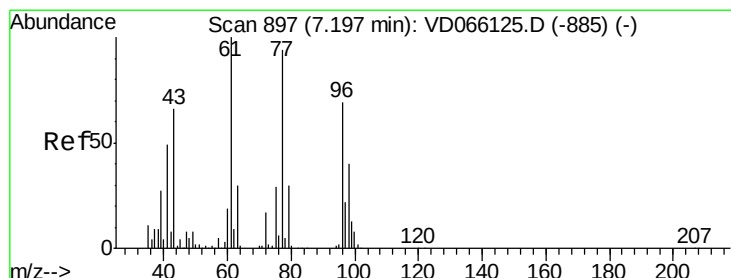
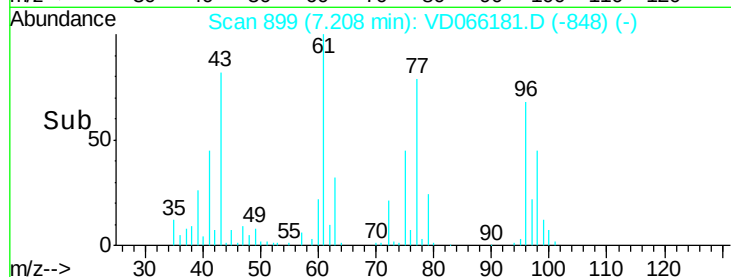
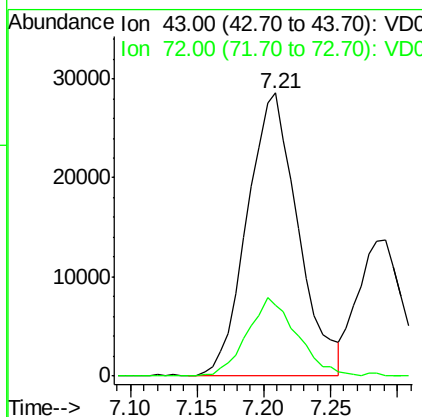
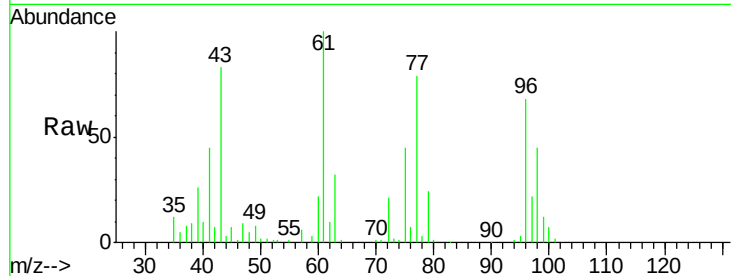
#25
2-Butanone
Concen: 94.566 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion: 43 Resp: 75634
Ion Ratio Lower Upper
43 100
72 25.2 22.2 33.2

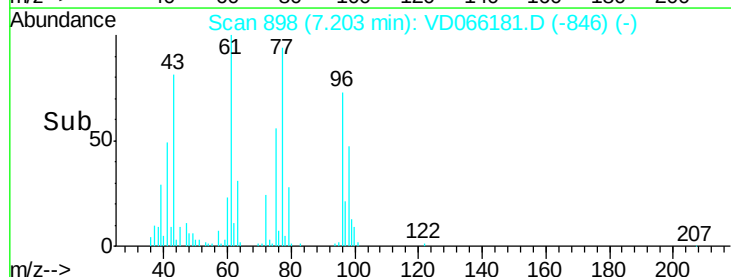
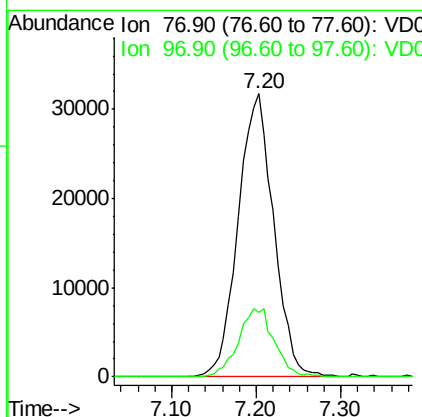
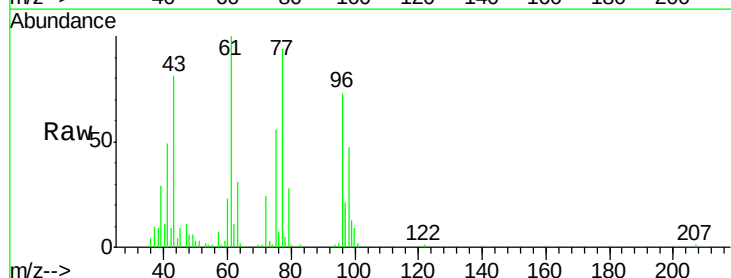
Manual Integrations
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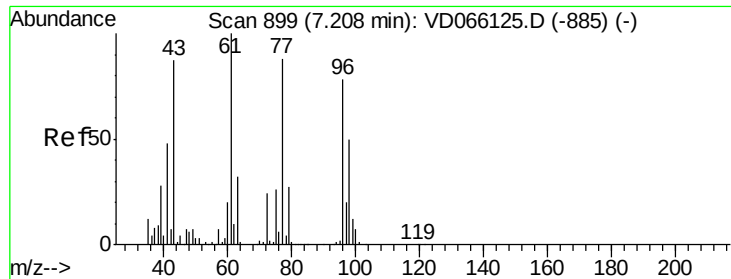
MMDadoda
8/12/2020 3:57:43 PM



#26
2,2-Dichloropropane
Concen: 19.580 ug/l
RT: 7.20 min Scan# 898
Delta R.T. 0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion: 77 Resp: 92561
Ion Ratio Lower Upper
77 100
97 24.5 11.8 35.3





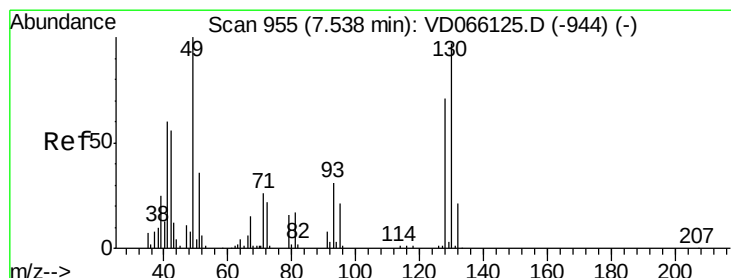
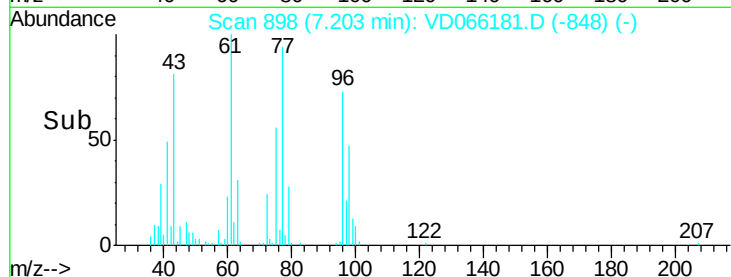
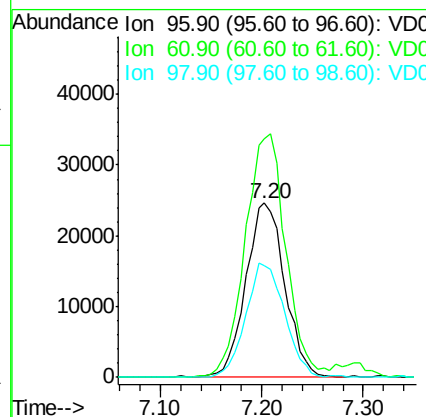
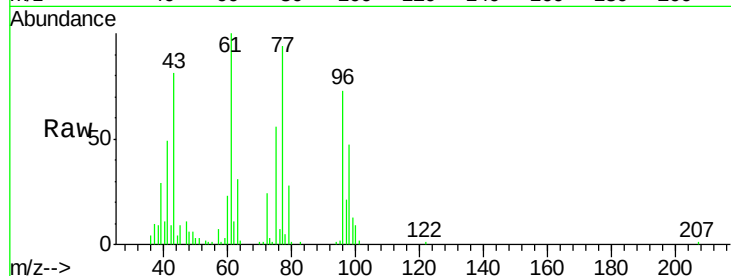
#27
 cis-1,2-Dichloroethene
 Concen: 19.200 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	65816		
61	145.5		0.0	281.6
98	64.9		0.0	130.8

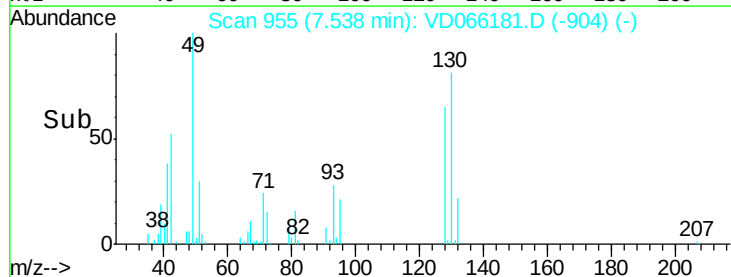
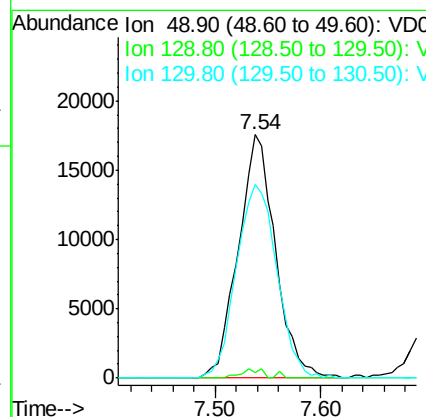
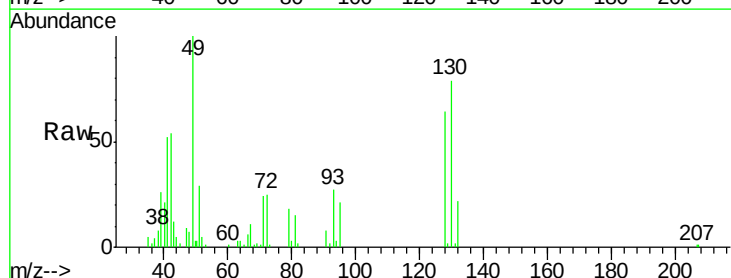
Manual Integrations
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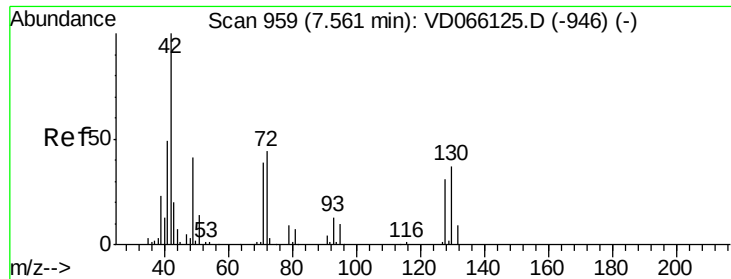
MMDadoda
 8/12/2020 3:57:43 PM



#28
 Bromochloromethane
 Concen: 23.157 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	42900		
129	2.0		0.0	6.0
130	86.7		73.8	110.6





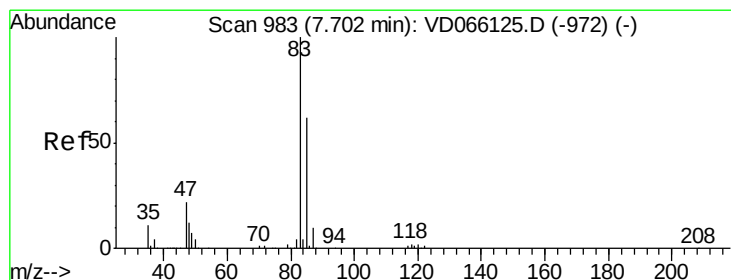
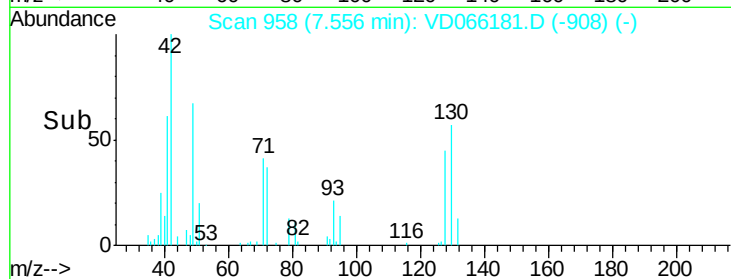
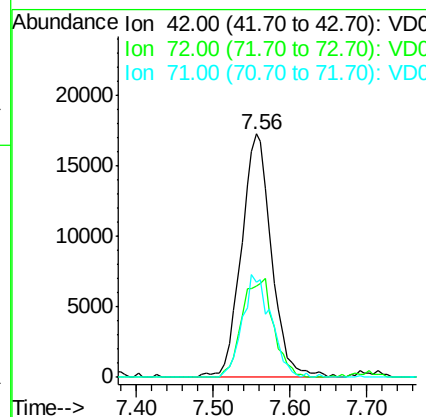
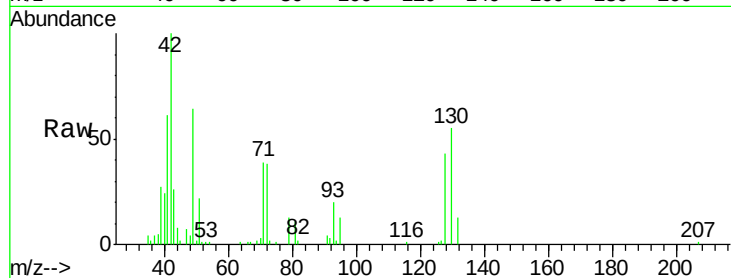
#29
Tetrahydrofuran
Concen: 95.335 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.8	52.2
71	40.0	33.5	50.3

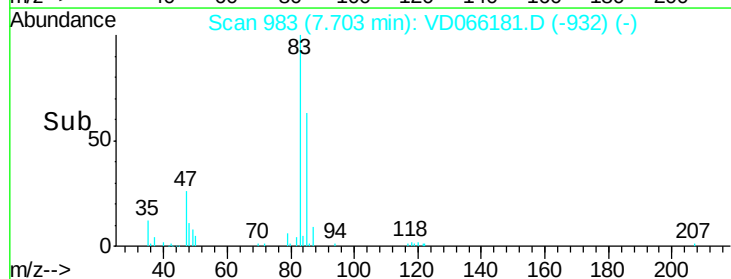
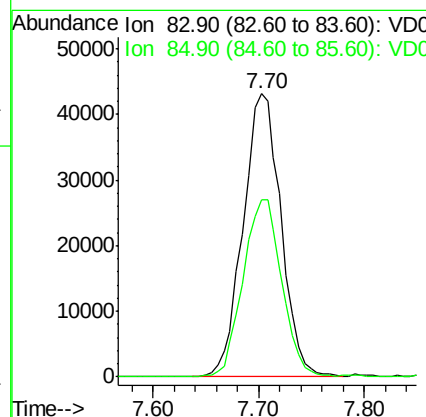
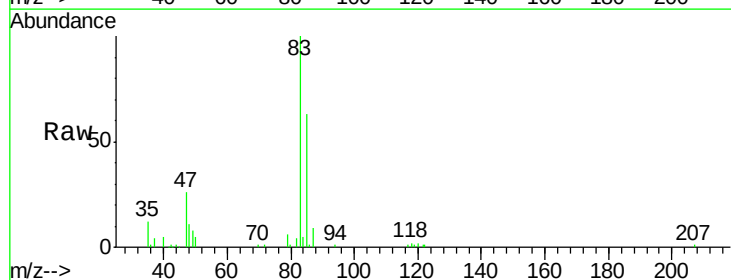
Manual Integrations
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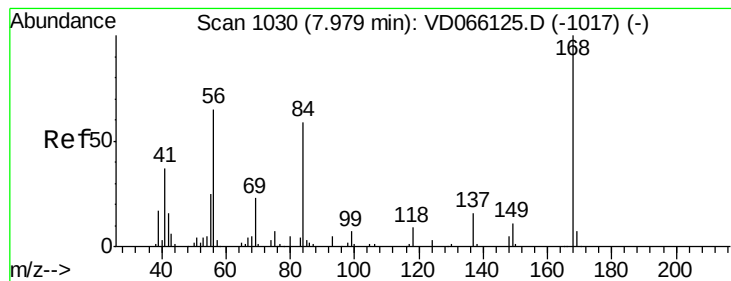
MMDadoda
8/12/2020 3:57:43 PM



#30
Chloroform
Concen: 19.411 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.5	74.3





#31

Cyclohexane

Concen: 18.607 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

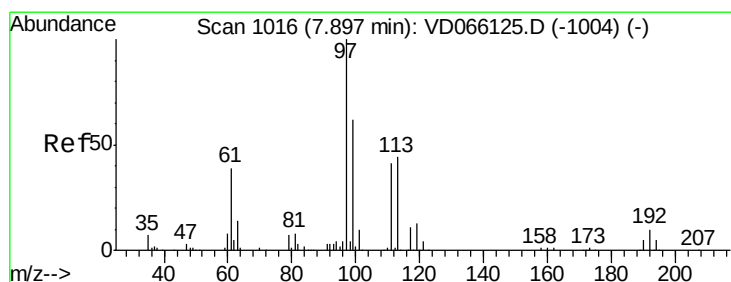
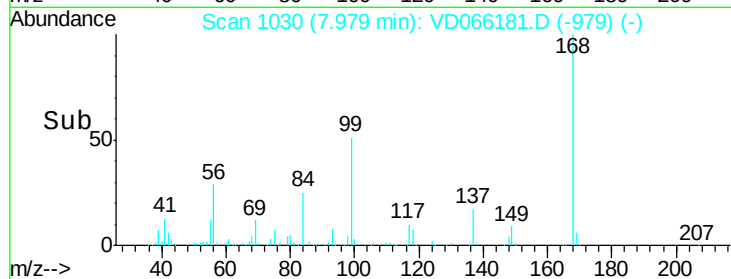
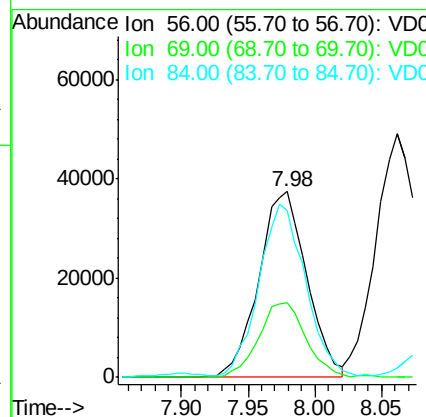
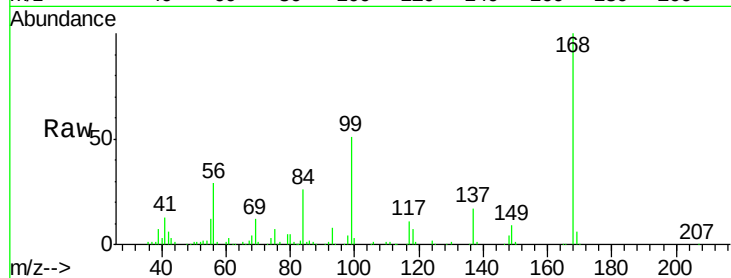
ClientSampleId :

VD0811SBS01

Tot Ion:	56	Resp:	93421
Ion Ratio	Lower	Upper	
56	100		
69	40.3	28.8	43.2
84	88.3	73.0	109.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.232 ug/l

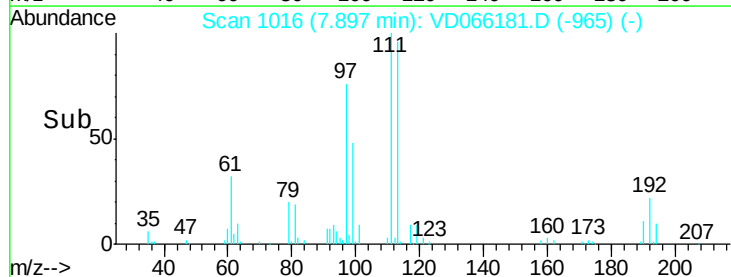
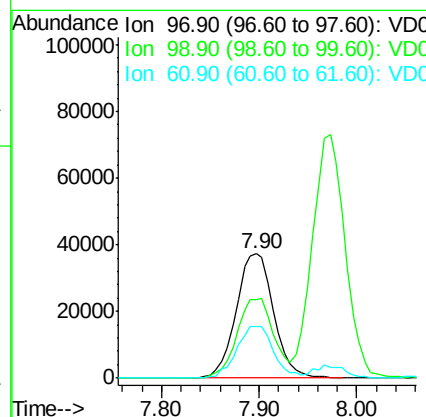
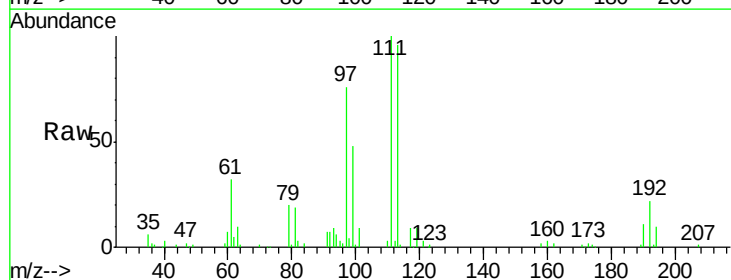
RT: 7.90 min Scan# 1016

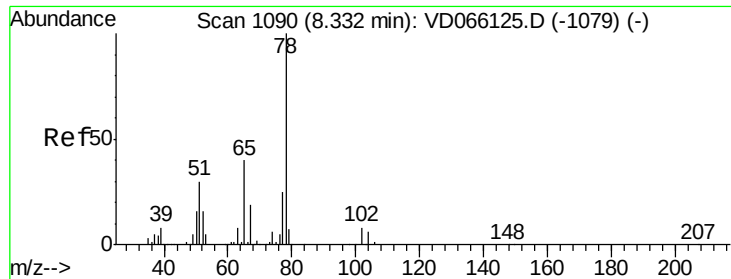
Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Tgt Ion:	97	Resp:	99872
Ion Ratio	Lower	Upper	
97	100		
99	63.4	51.1	76.7
61	40.9	32.7	49.1





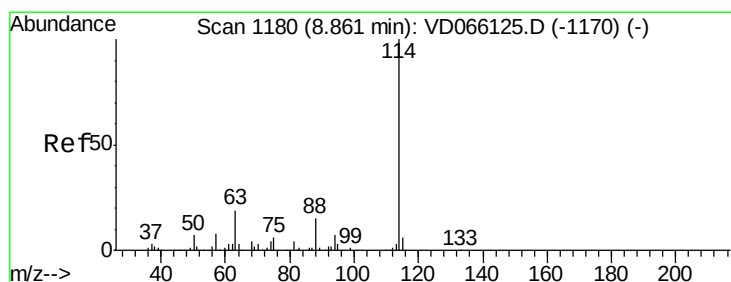
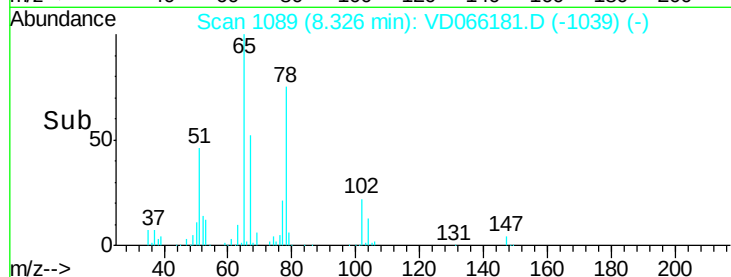
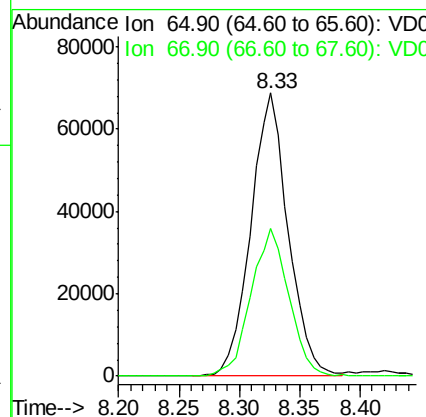
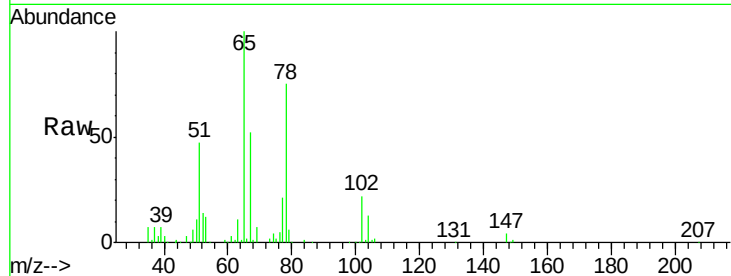
#33
 1,2-Dichloroethane-d4
 Concen: 51.493 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147573		
67	53.1	0.0	104.6	

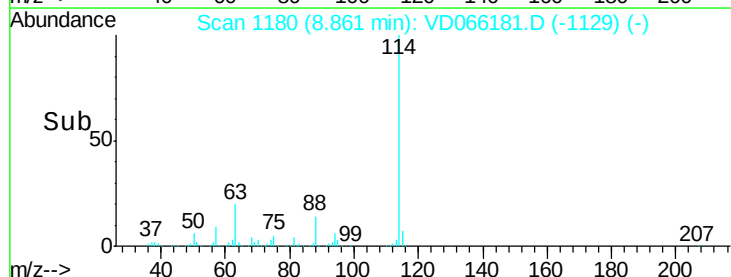
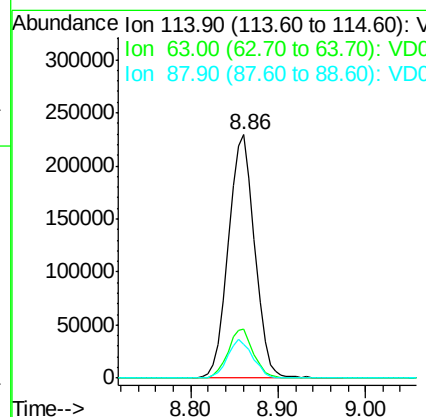
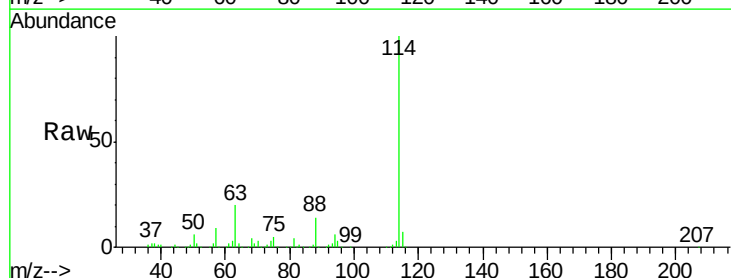
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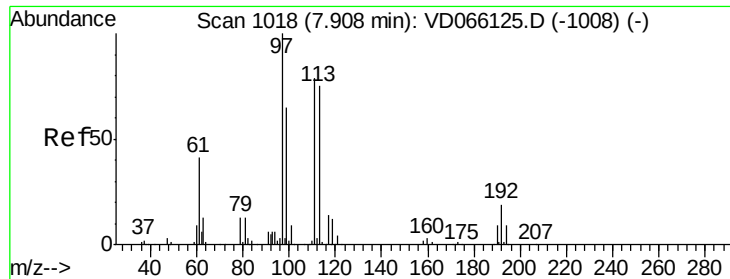
MMDadoda
 8/12/2020 3:57:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	472379		
63	20.0	0.0	38.6	
88	13.9	0.0	30.0	





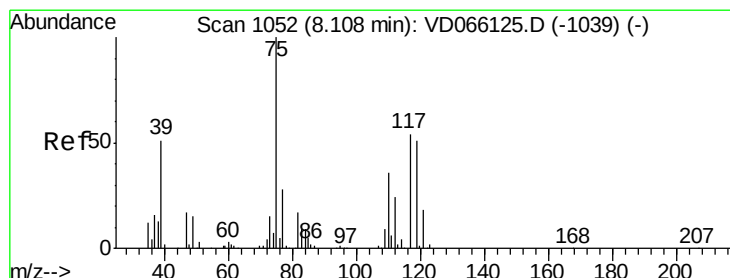
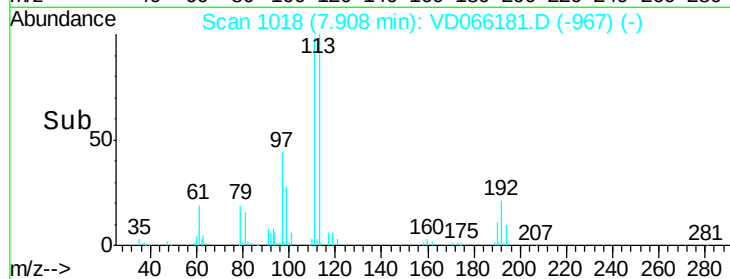
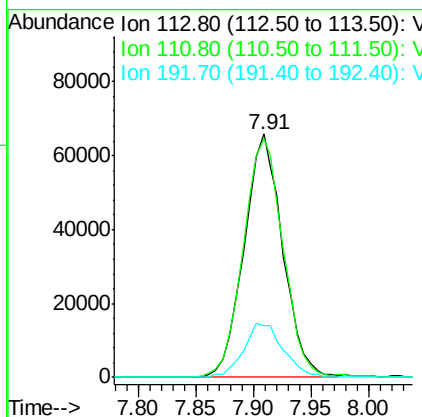
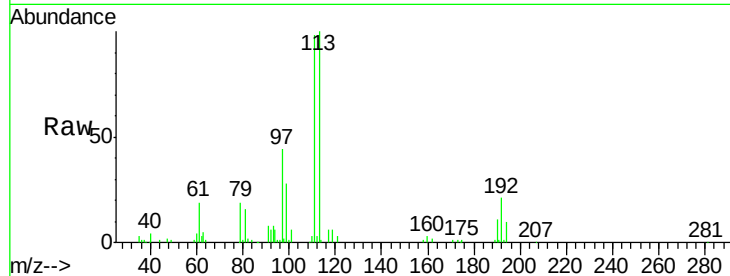
#35
 Dibromofluoromethane
 Concen: 51.125 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152989		
111	101.0		80.7	121.1
192	22.7		18.4	27.6

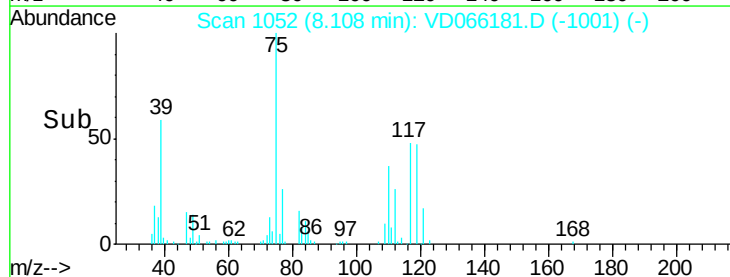
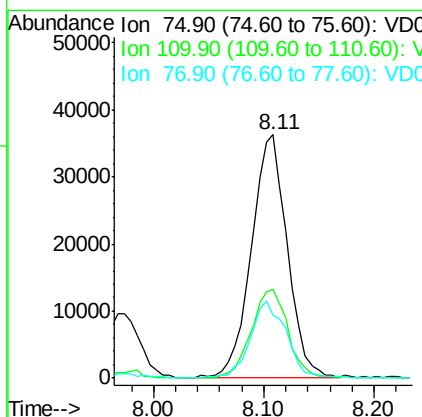
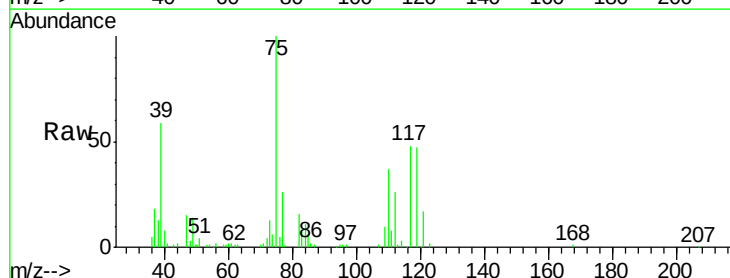
Manual Integrations
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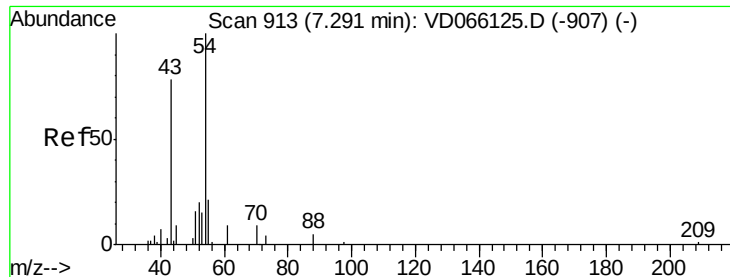
MMDadoda
 8/12/2020 3:57:43 PM



#36
 1,1-Dichloropropene
 Concen: 18.668 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82864		
110	37.3		18.8	56.3
77	31.4		24.2	36.2





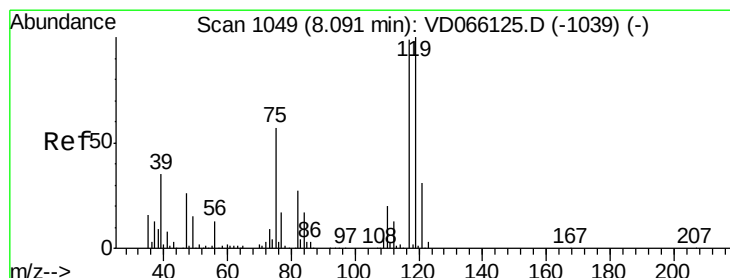
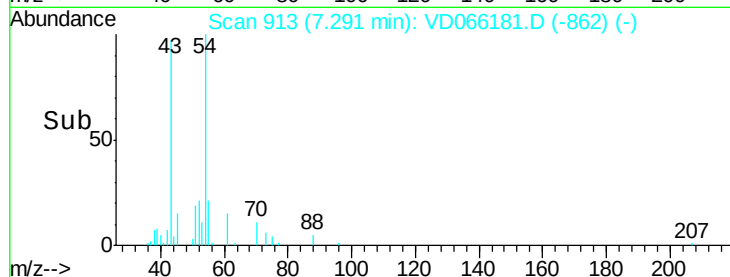
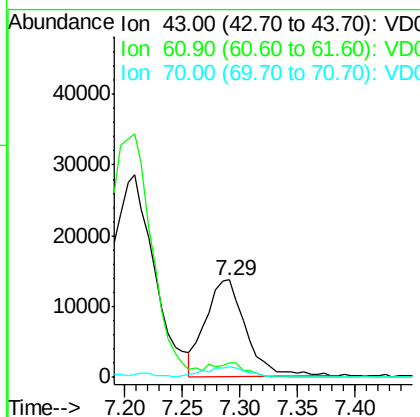
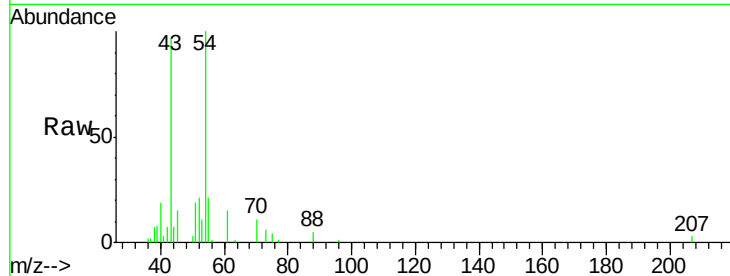
#37
Ethyl Acetate
Concen: 18.689 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	12.0	18.0
70	11.7	9.7	14.5

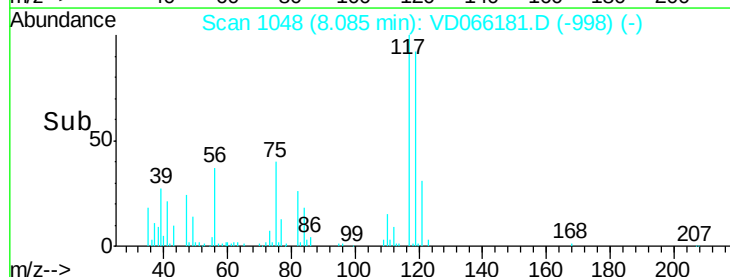
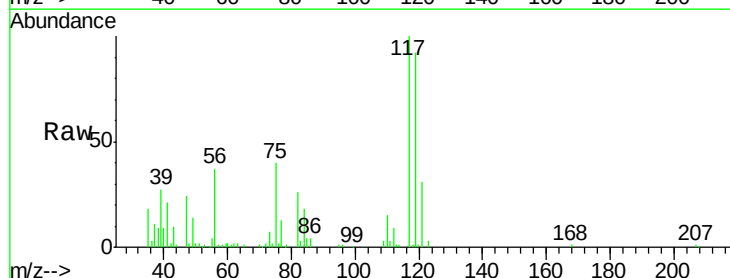
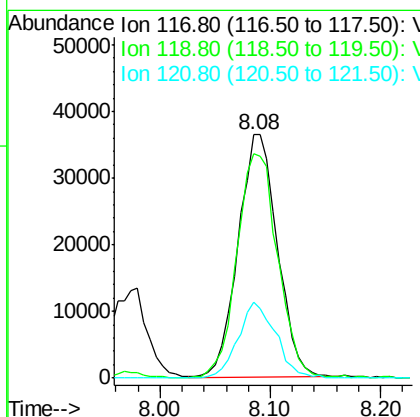
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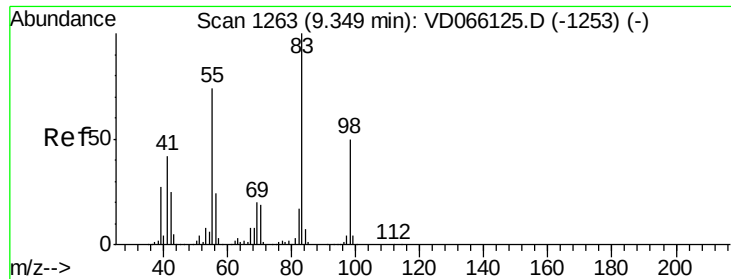
MMDadoda
8/12/2020 3:57:43 PM



#38
Carbon Tetrachloride
Concen: 18.367 ug/l
RT: 8.08 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	81.0	121.4
121	31.4	24.8	37.2





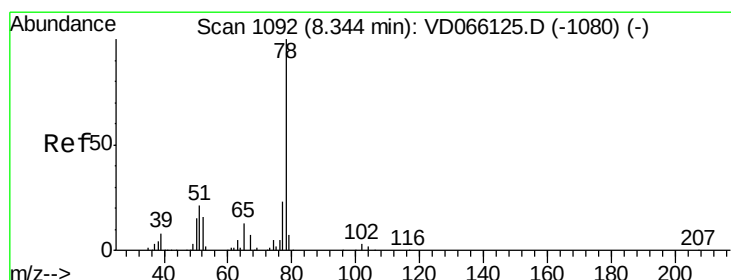
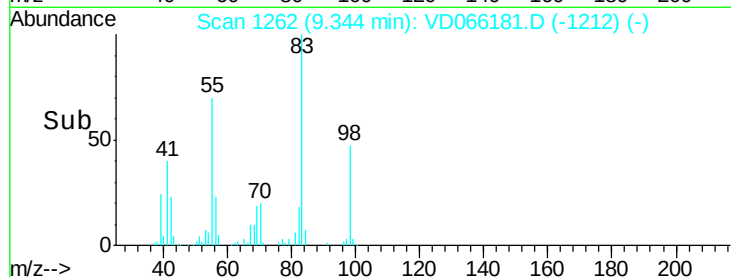
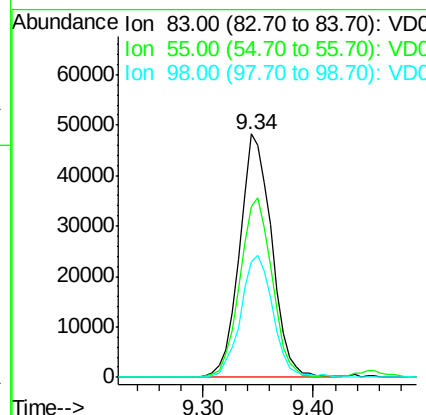
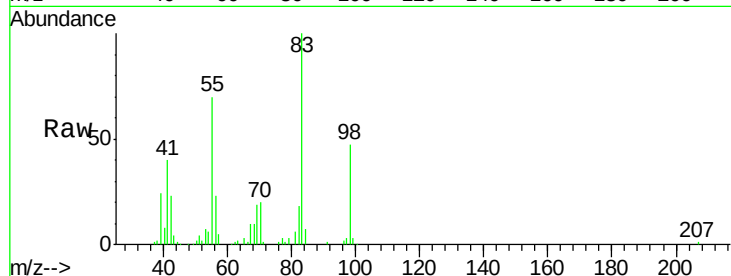
#39
Methylvlcyclohexane
Concen: 18.421 ug/l
RT: 9.34 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	83	Resp	98845
Ion Ratio	Lower	Upper	
83	100		
55	70.1	59.2	88.8
98	47.4	39.8	59.6

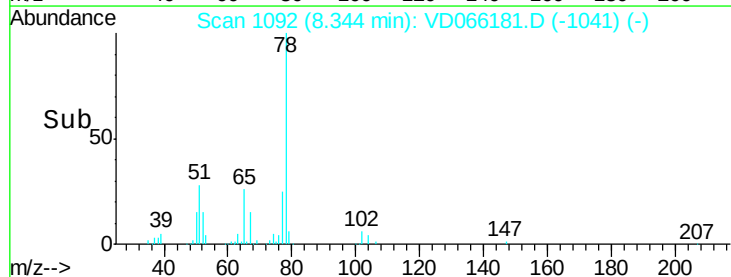
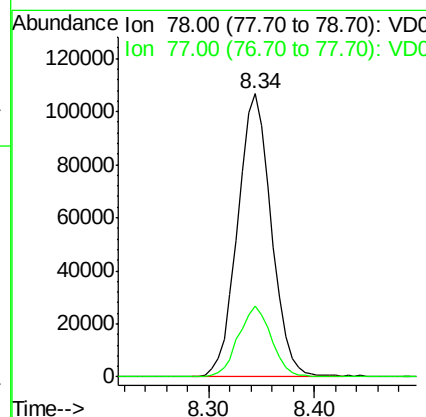
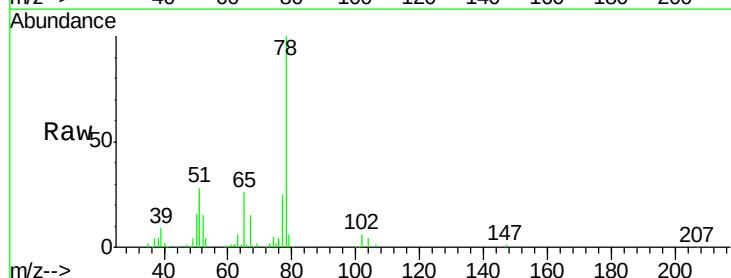
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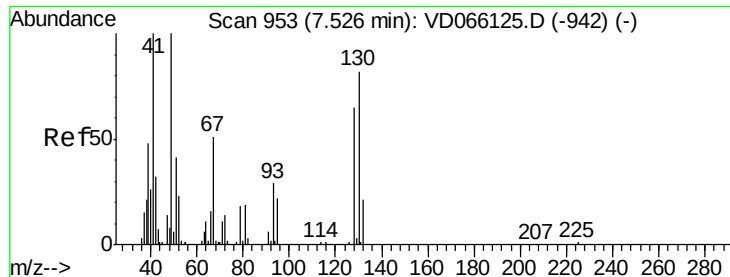
MMDadoda
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#40
Benzene
Concen: 19.155 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion	78	Resp	235880
Ion Ratio	Lower	Upper	
78	100		
77	25.1	18.6	27.8





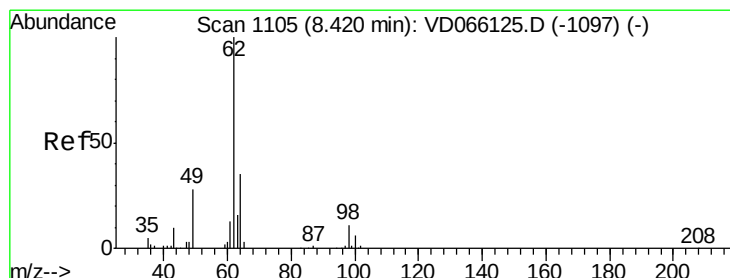
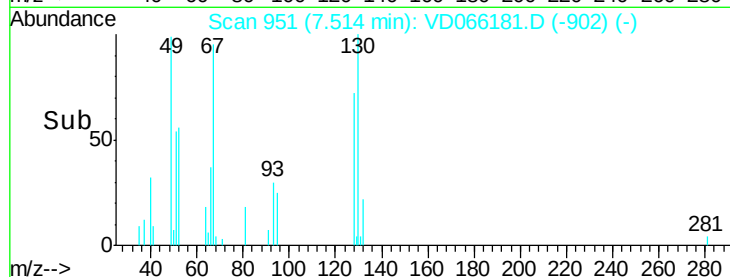
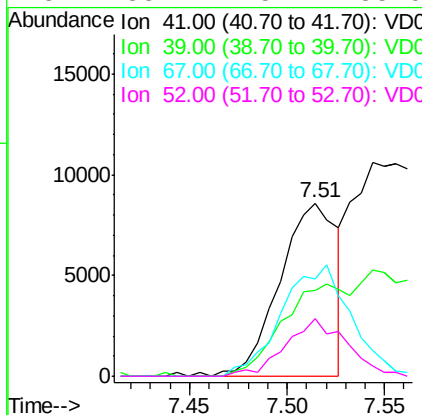
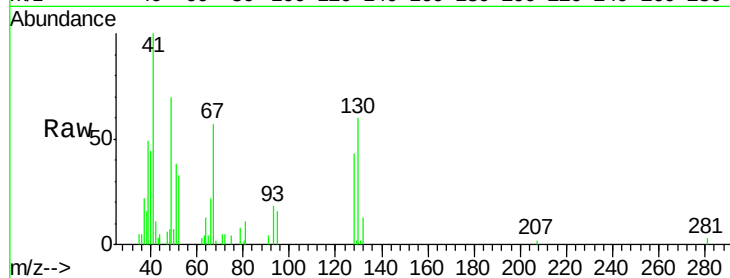
#41
Methacrylonitrile
Concen: 17.009 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	41	Resp	17589
Ion	Ratio	Lower	Upper
41	100		
39	61.3	47.5	71.3
67	78.5	59.1	88.7
52	35.1	25.4	38.0

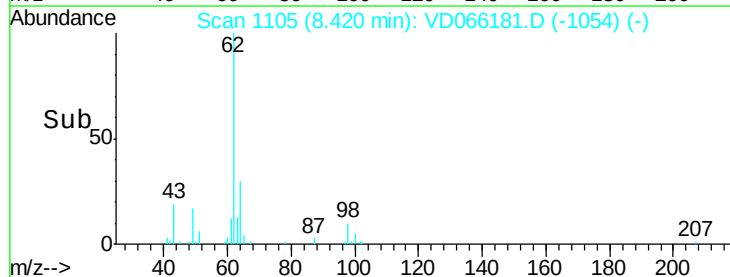
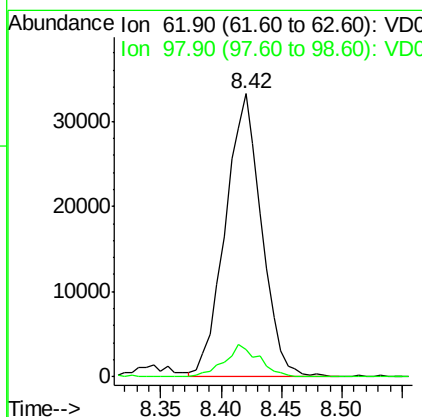
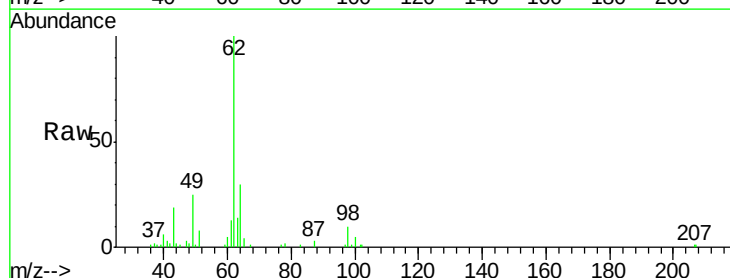
Manual Integrations
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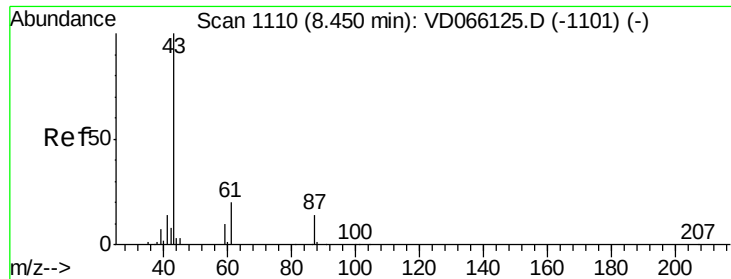
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.178 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion	62	Resp	69375
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.4





#43

Isopropyl Acetate

Concen: 18.494 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

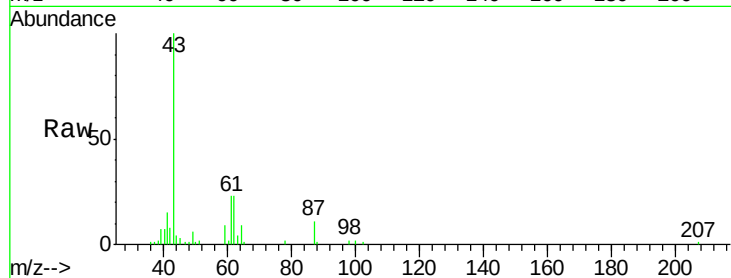
ClientSampleId :

VD0811SBS01

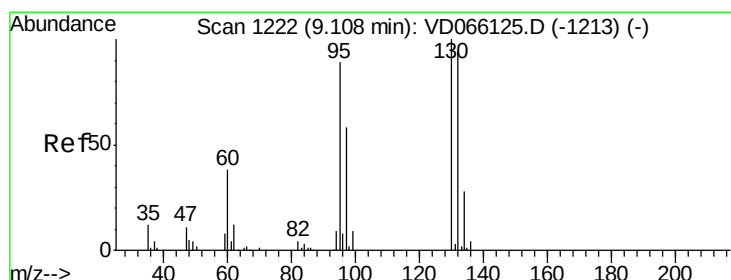
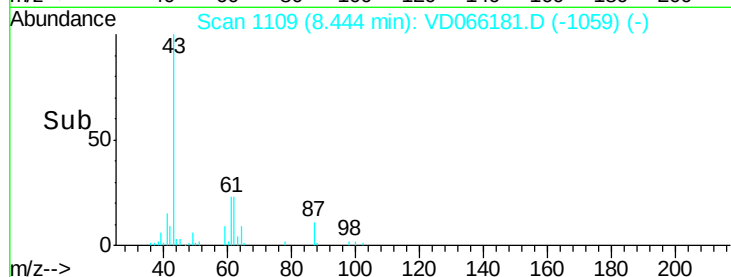
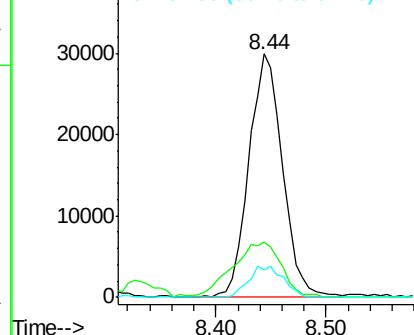
Tot Ion:	43	Resp:	64087
Ion	Ratio	Lower	Upper
43	100		
61	32.6	25.5	38.3
87	13.0	11.2	16.8

Manual Integrations
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8/12/2020 3:57:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 18.284 ug/l

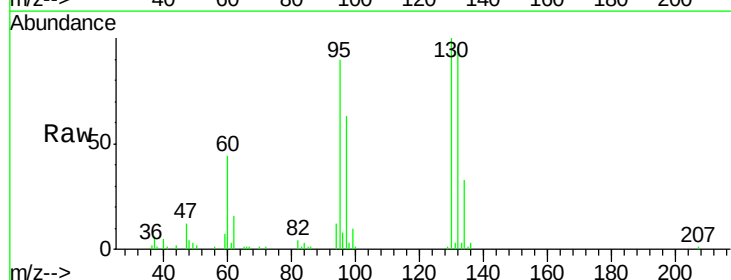
RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

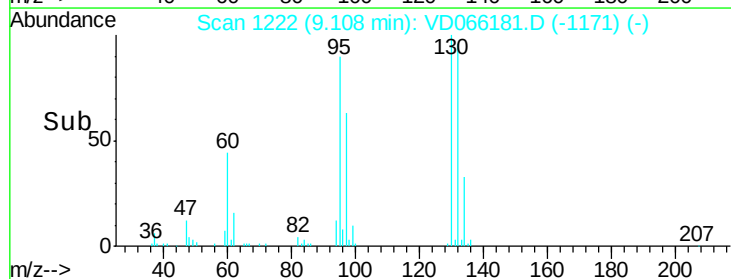
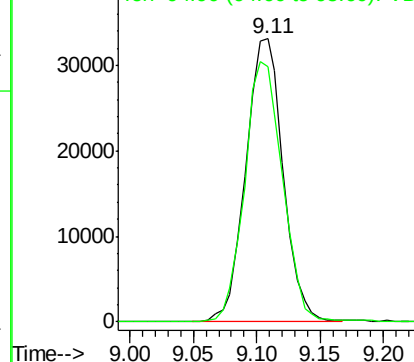
Lab File: VD066181.D

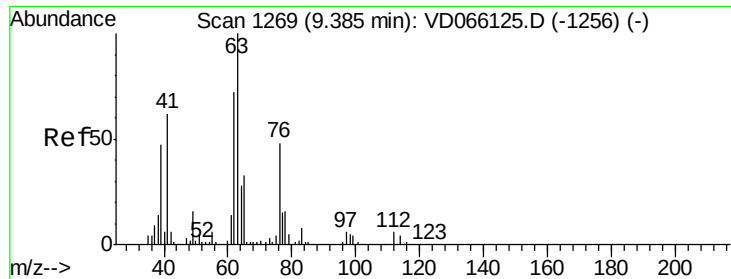
Acq: 11 Aug 2020 12:28

Tgt Ion:	130	Resp:	67846
Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





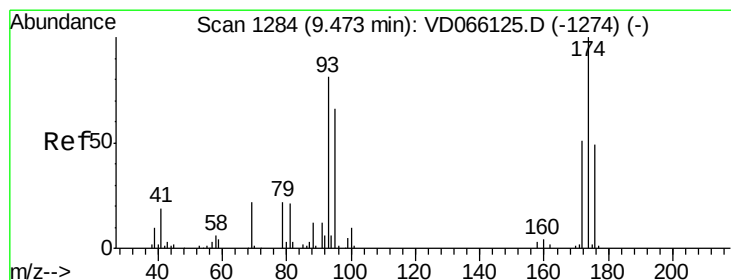
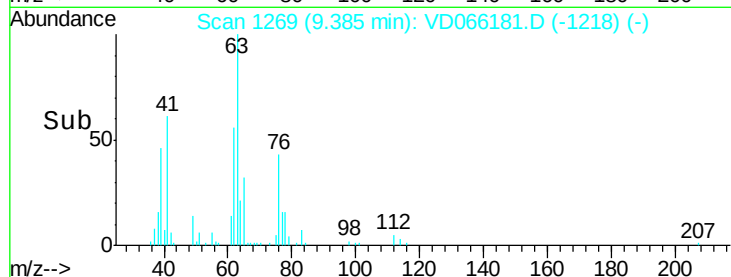
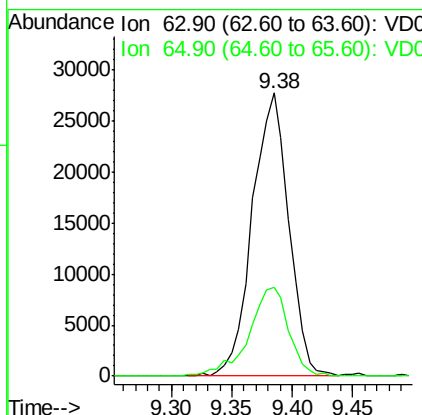
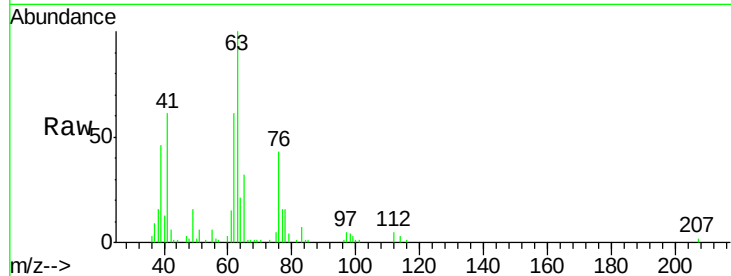
#45
 1,2-Dichloropropane
 Concen: 19.236 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	26.5	39.7

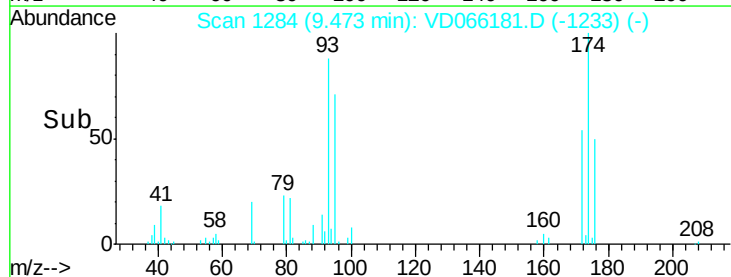
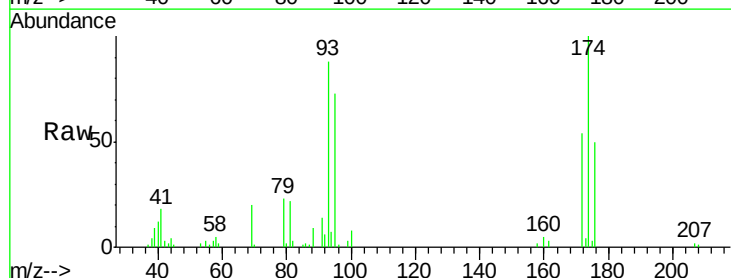
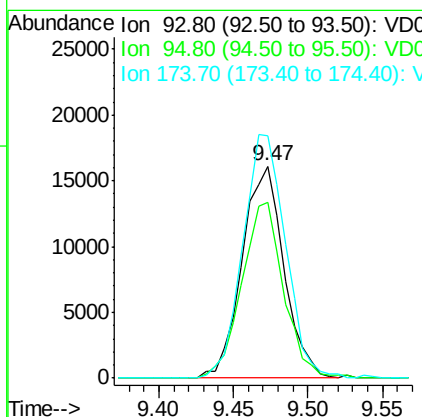
Manual Integrations
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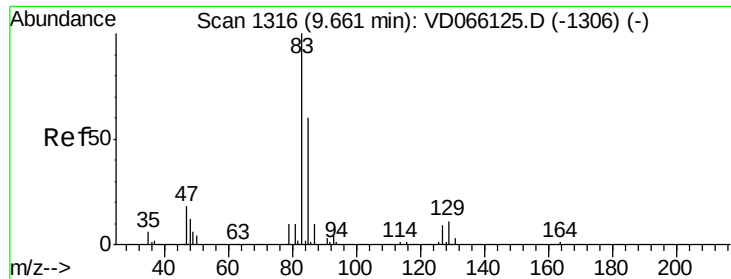
MMDadoda
 8/12/2020 3:57:43 PM



#46
 Dibromomethane
 Concen: 18.762 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.8	98.6
174	117.4	92.8	139.2





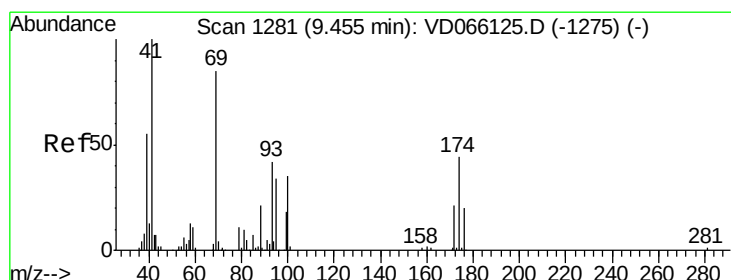
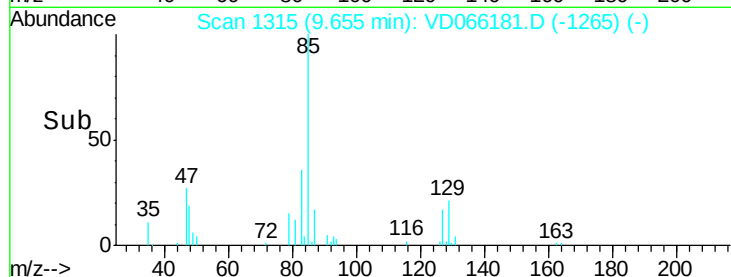
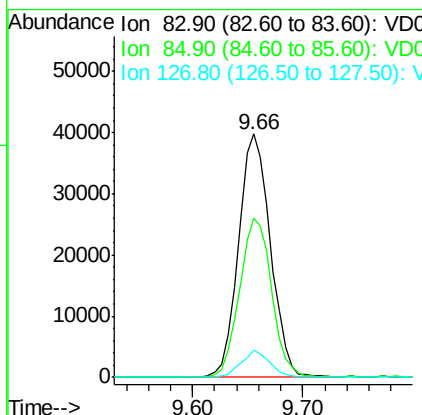
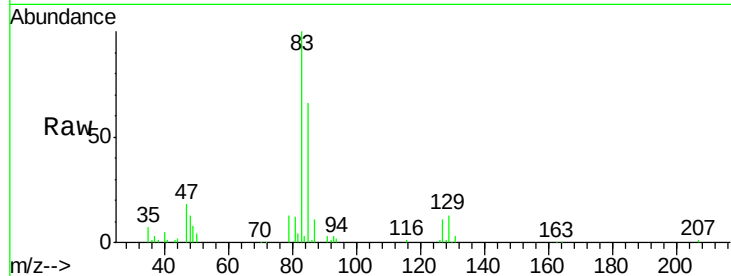
#47
Bromodichloromethane
Concen: 18.416 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	80742		
85	65.5	48.2	72.4	
127	11.3	7.3	10.9	

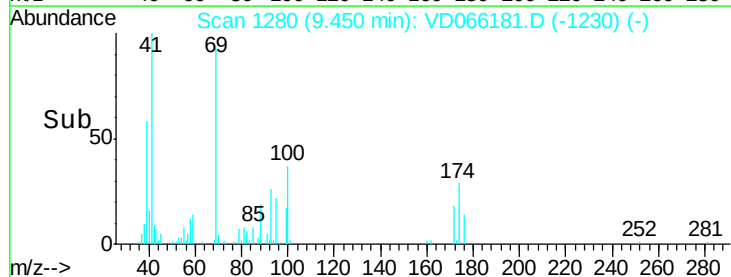
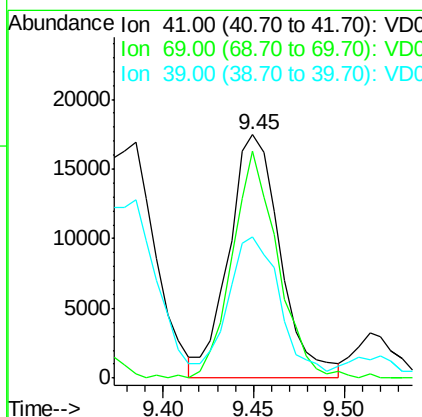
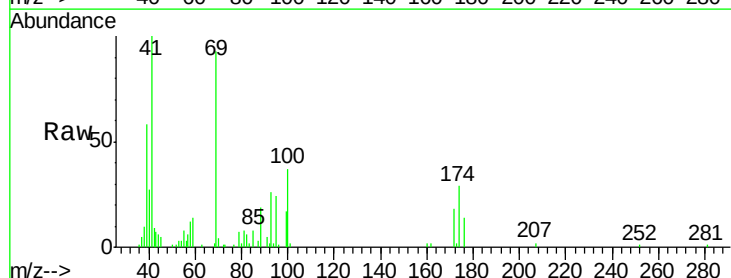
Manual Integrations
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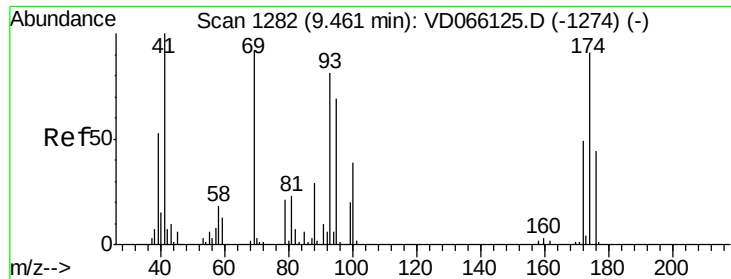
MMDadoda
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#48
Methyl methacrylate
Concen: 19.548 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	34589		
69	82.1	63.9	95.9	
39	53.1	42.6	64.0	





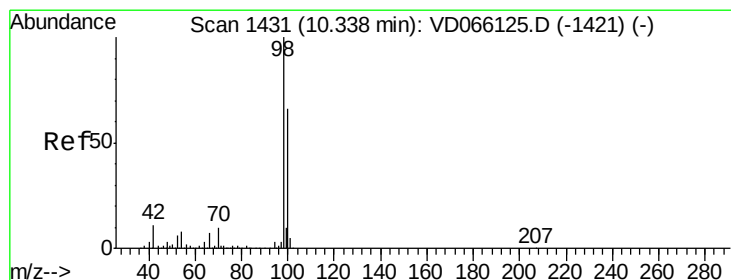
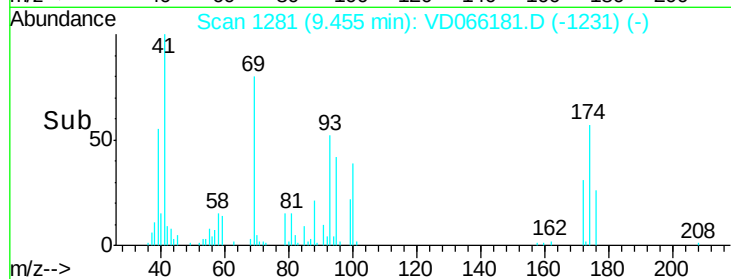
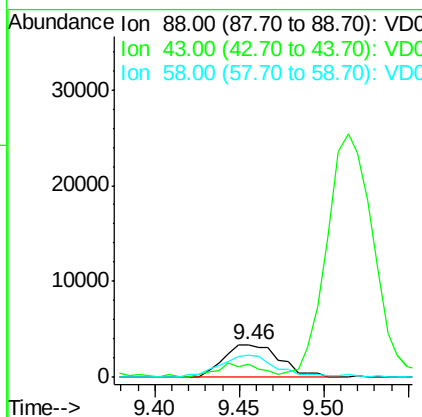
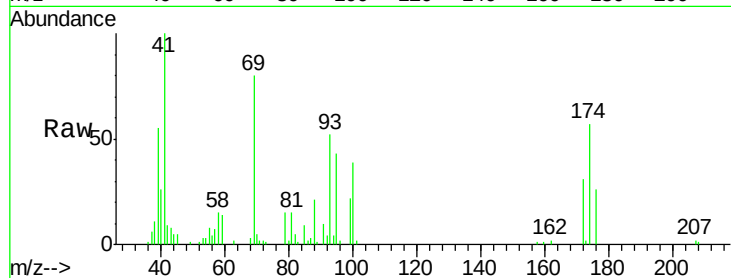
#49
 1,4-Dioxane
 Concen: 368.559 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion	88	Resp	7855
Ion	Ratio	Lower	Upper
88	100		
43	33.3	27.5	41.3
58	69.7	50.2	75.4

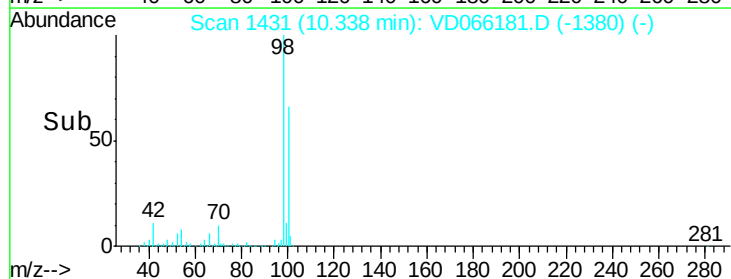
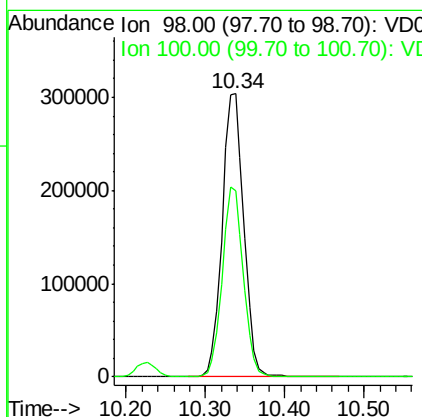
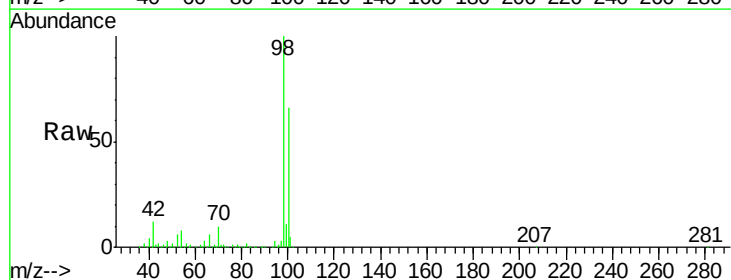
Manual Integrations
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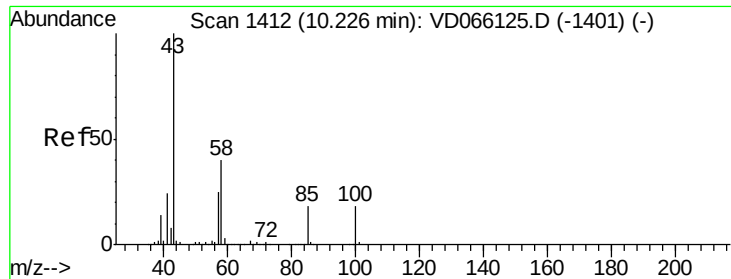
MMDadoda
 8/12/2020 3:57:43 PM



#50
 Toluene-d8
 Concen: 51.651 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Tgt Ion	98	Resp	570379
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.6	78.8





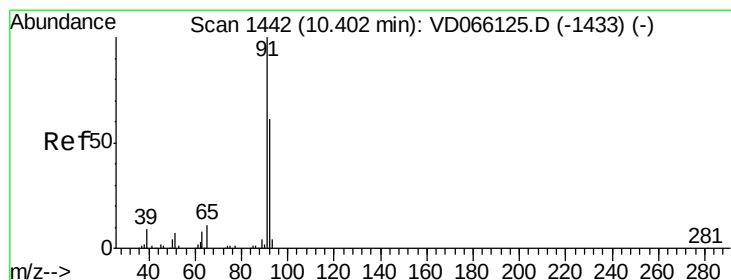
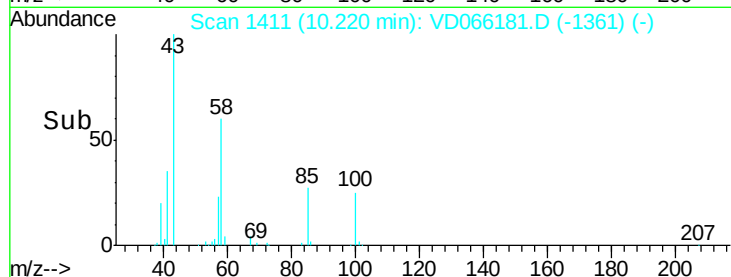
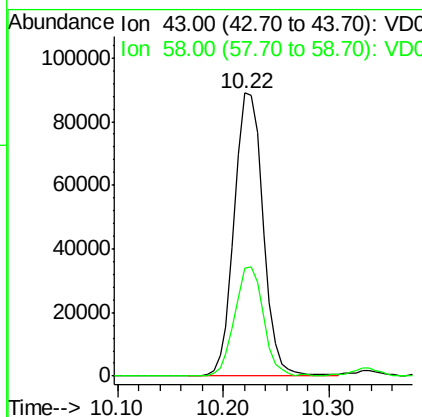
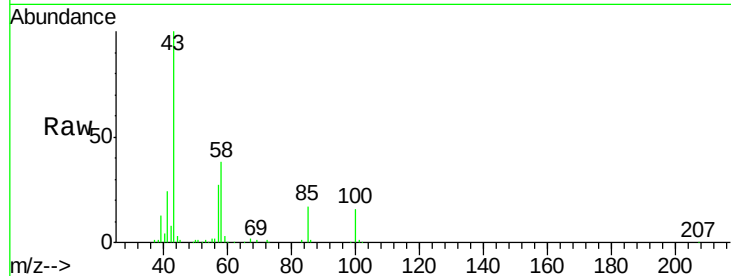
#51
4-Methyl-2-Pentanone
Concen: 94.742 ug/l
RT: 10.22 min Scan# 1411
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	43	Resp	168638
Ion Ratio	43	100	
Lower	58	38.4	31.1
Upper			46.7

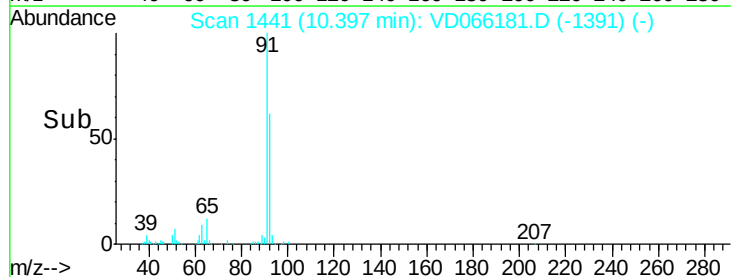
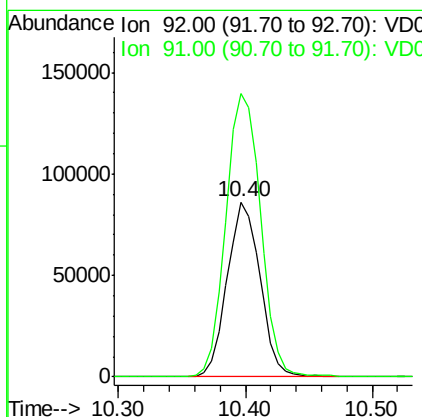
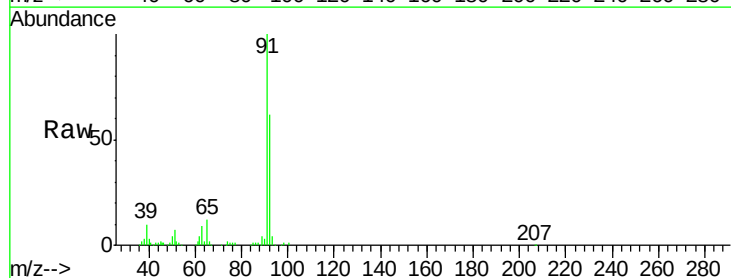
Manual Integrations
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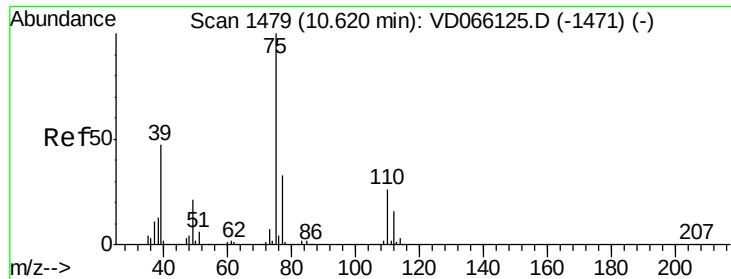
MMDadoda
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#52
Toluene
Concen: 19.106 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion	92	Resp	154816
Ion Ratio	92	100	
Lower	91	171.6	135.2
Upper			202.8





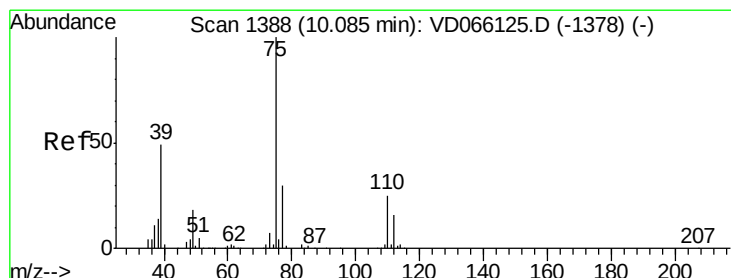
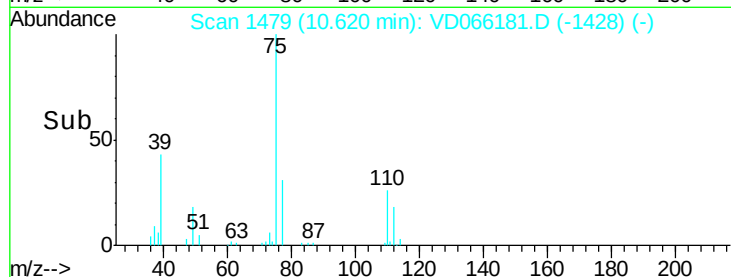
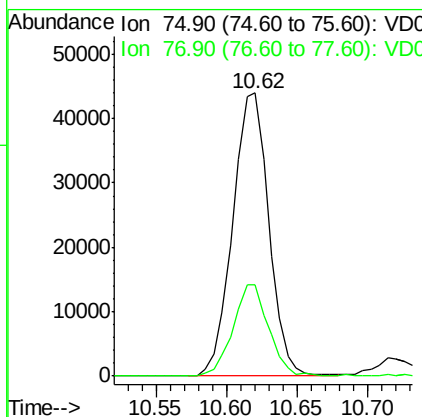
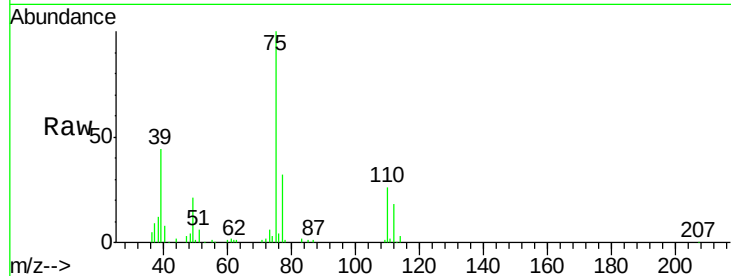
#53
 t-1,3-Dichloropropene
 Concen: 18.914 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.2	39.2

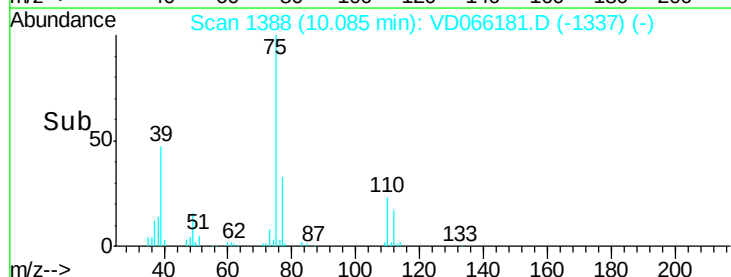
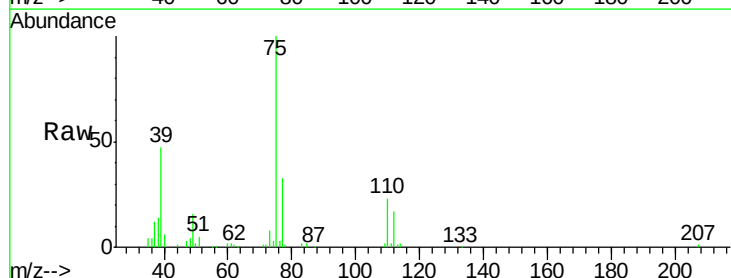
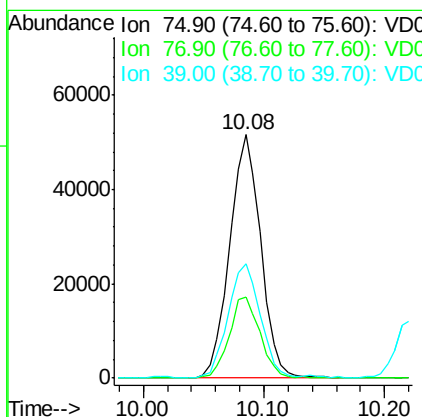
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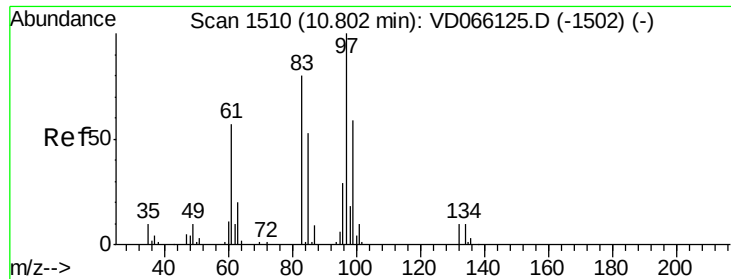
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#54
 cis-1,3-Dichloropropene
 Concen: 18.961 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.3	36.5
39	47.0	39.3	58.9





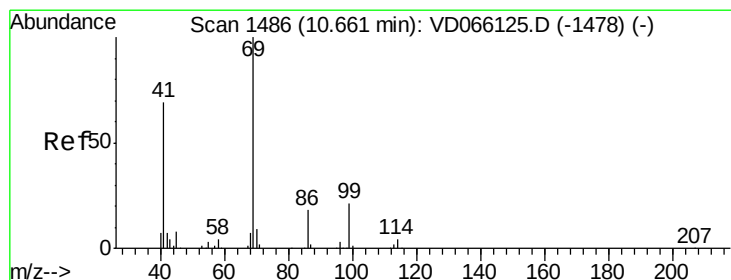
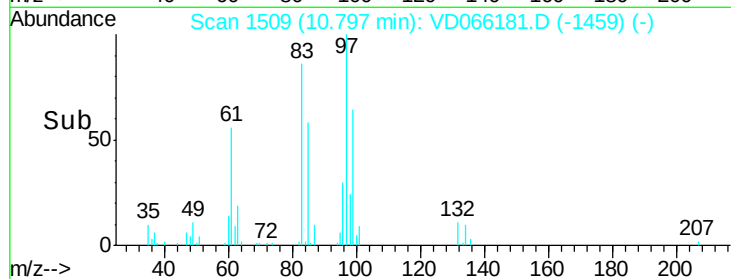
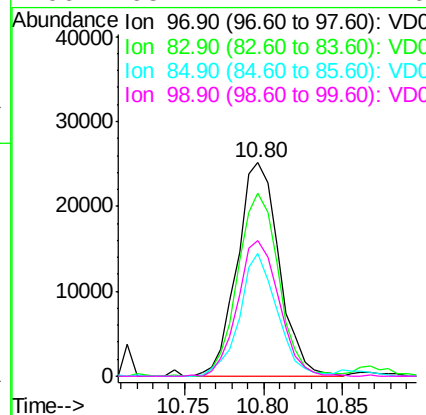
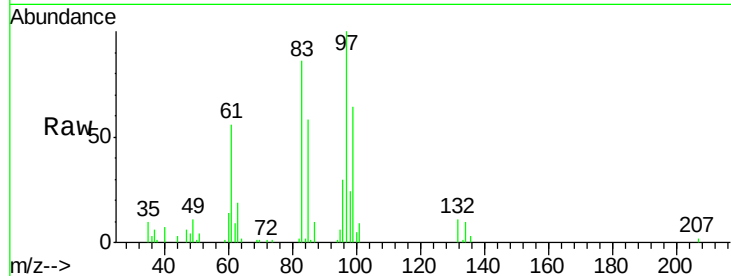
#55
 1,1,2-Trichloroethane
 Concen: 19.362 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion	97	Resp:	46250
Ion	Ratio	Lower	Upper
97	100		
83	85.7	63.9	95.9
85	57.6	42.5	63.7
99	63.1	47.4	71.0

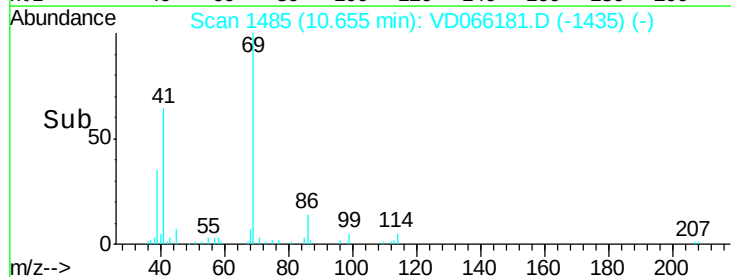
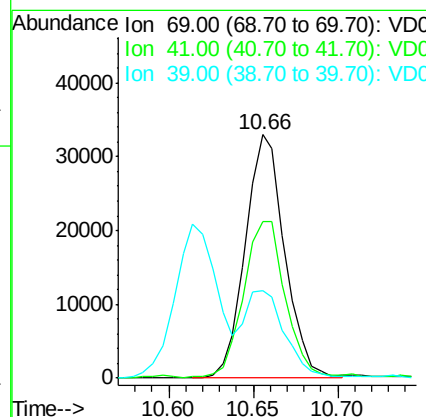
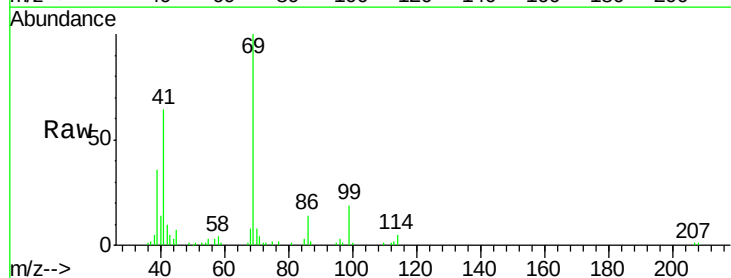
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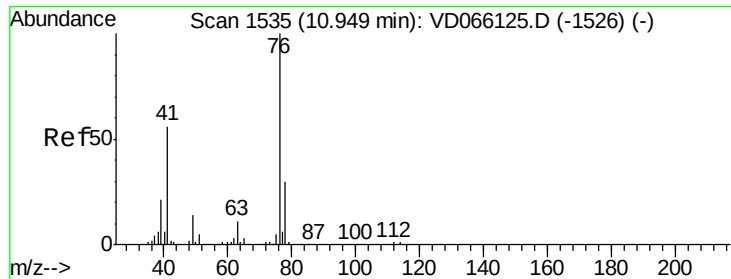
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#56
 Ethyl methacrylate
 Concen: 18.683 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Tgt Ion	69	Resp:	53613
Ion	Ratio	Lower	Upper
69	100		
41	69.6	54.1	81.1
39	36.6	28.6	43.0





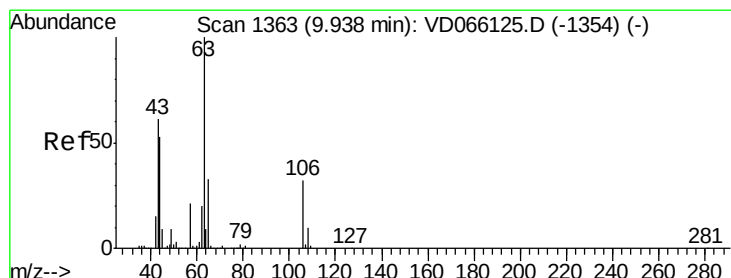
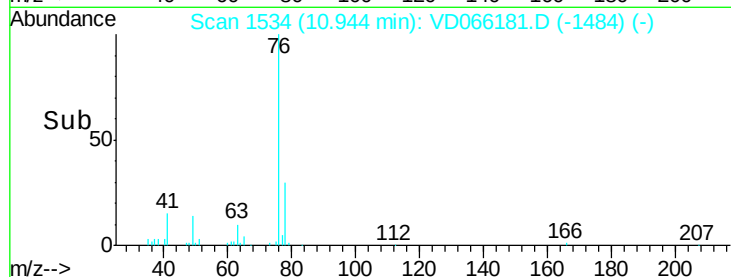
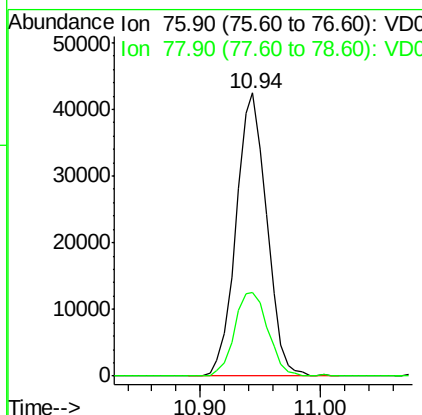
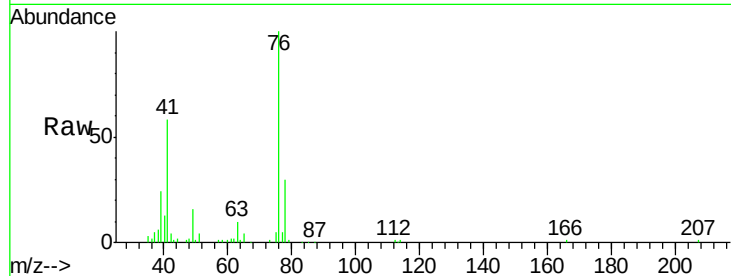
#57
 1,3-Dichloropropane
 Concen: 18.974 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

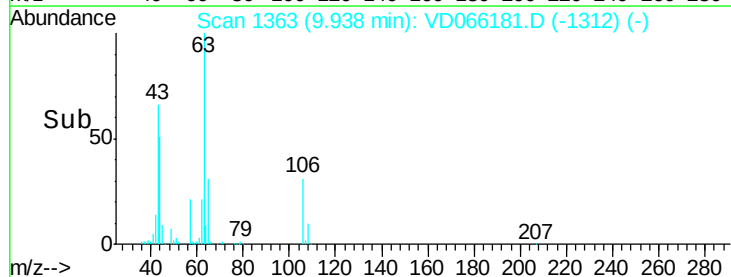
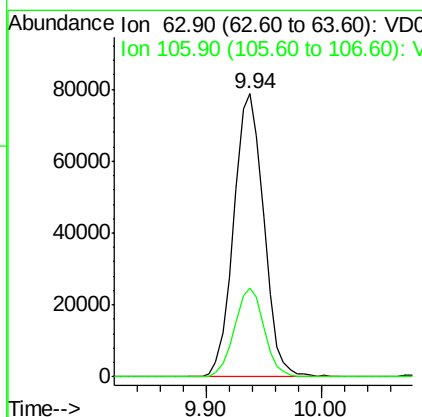
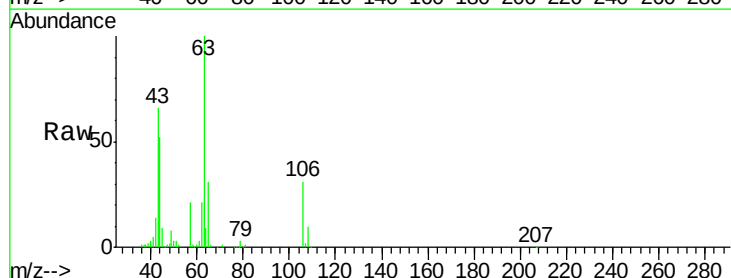
Manual Integrations
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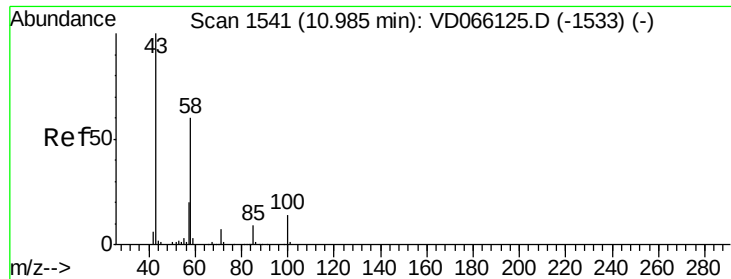
MMDadoda
 8/12/2020 3:57:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.821 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	25.3	37.9





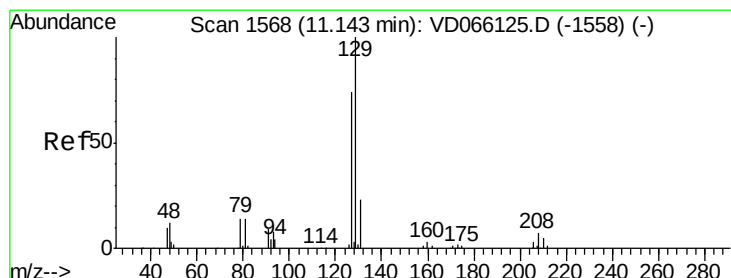
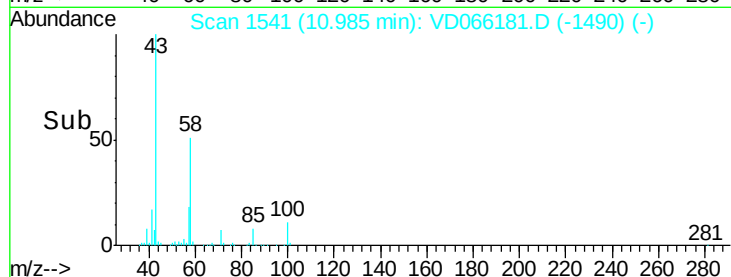
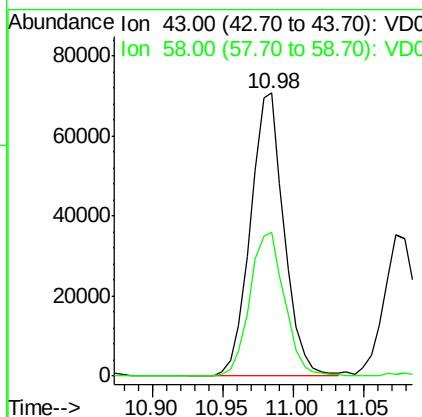
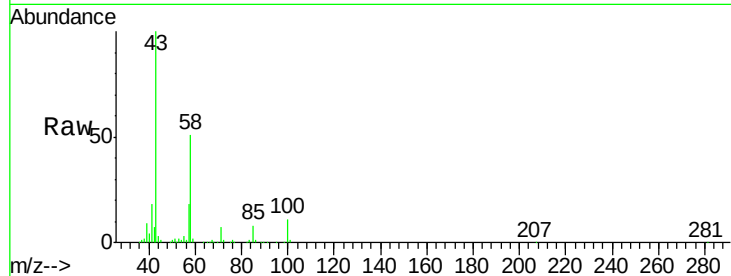
#59
2-Hexanone
Concen: 95.090 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion: 43 Resp: 118788
Ion Ratio Lower Upper
43 100
58 52.2 27.8 83.4

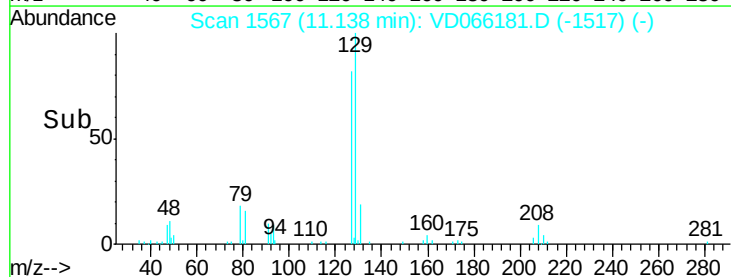
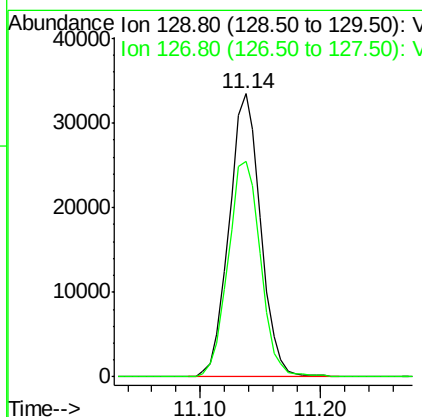
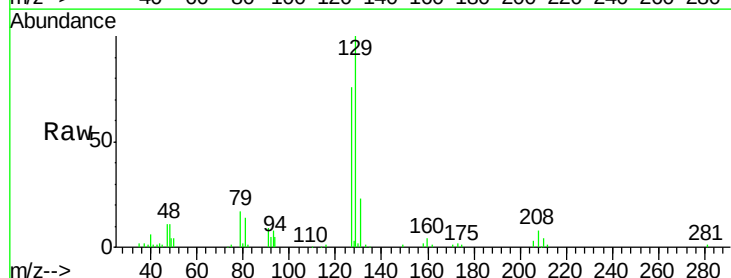
Manual Integrations
APPROVED

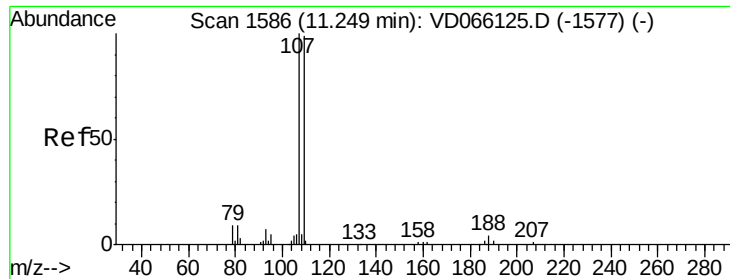
MMDadoda
8/12/2020 3:57:43 PM



#60
Dibromochloromethane
Concen: 18.446 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion: 129 Resp: 60833
Ion Ratio Lower Upper
129 100
127 78.3 38.0 114.1





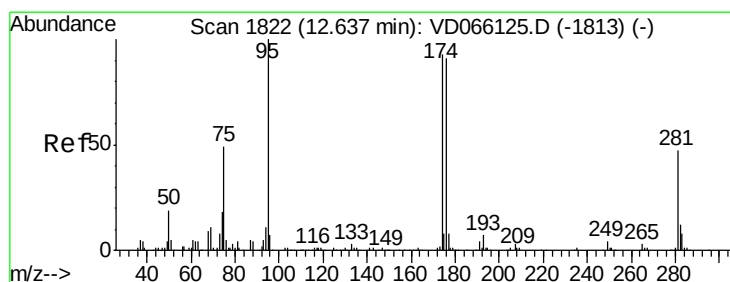
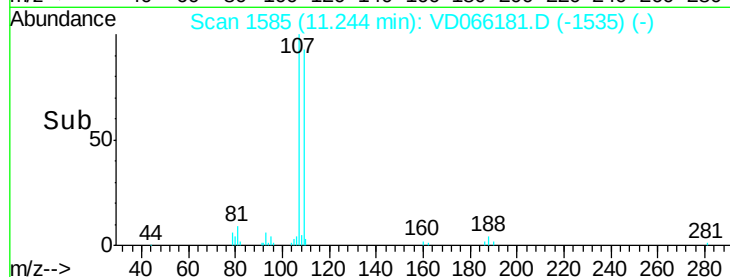
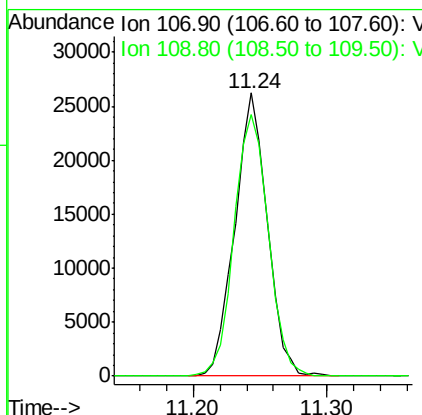
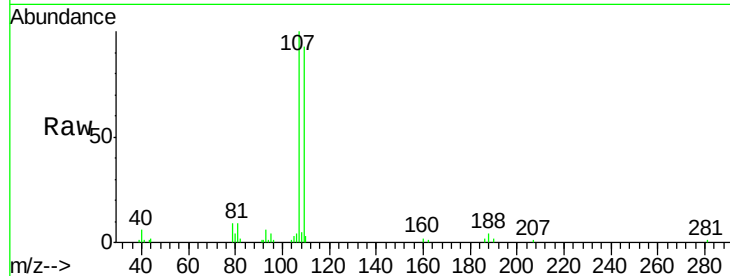
#61
 1,2-Dibromoethane
 Concen: 19.282 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion: 107 Resp: 44295
 Ion Ratio Lower Upper
 107 100
 109 97.1 76.5 114.7

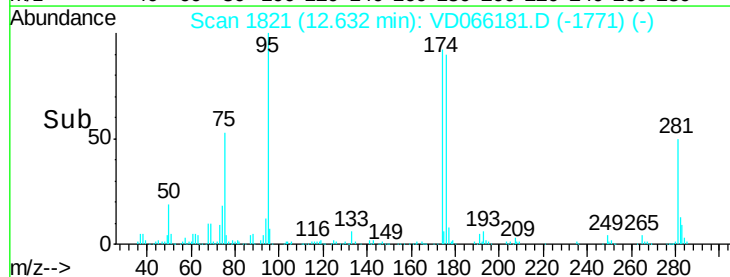
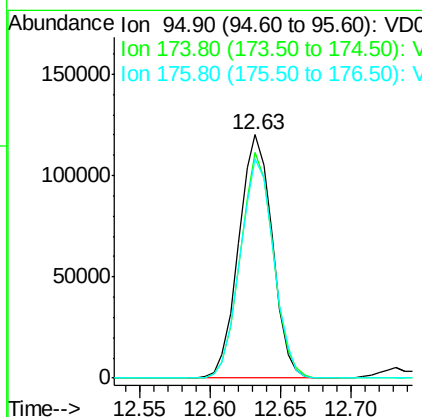
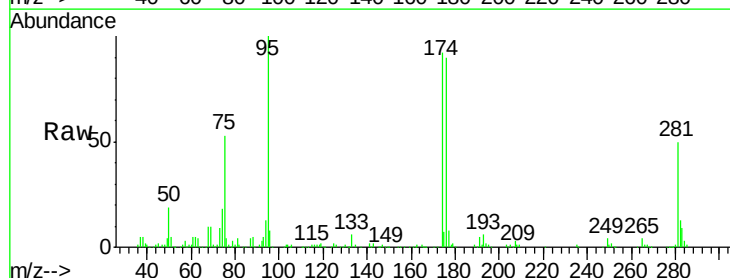
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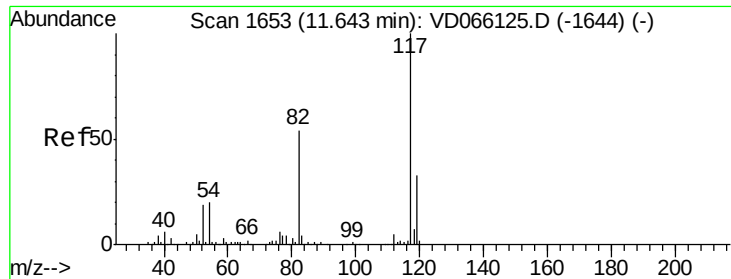
MMDadoda
 8/12/2020 3:57:43 PM



#62
 4-Bromofluorobenzene
 Concen: 50.322 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Tgt Ion: 95 Resp: 200309
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 180.8
 176 89.9 0.0 181.2





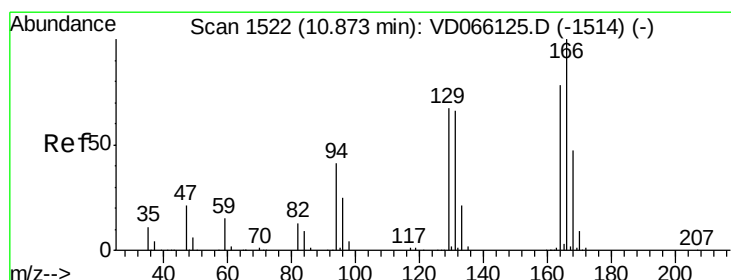
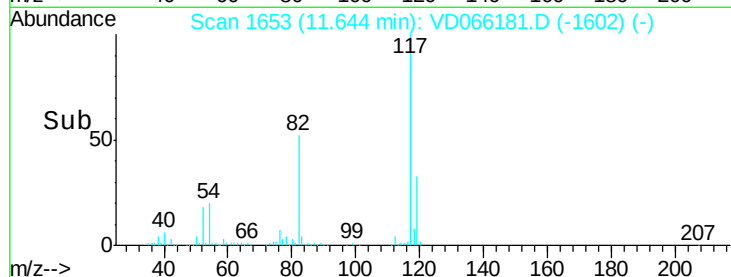
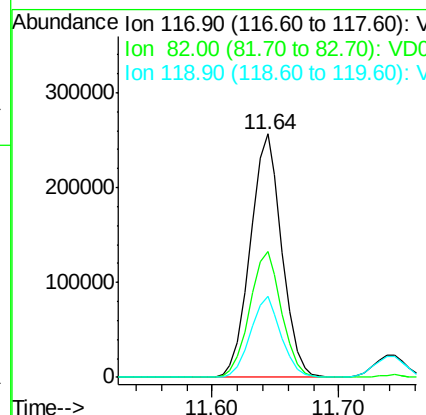
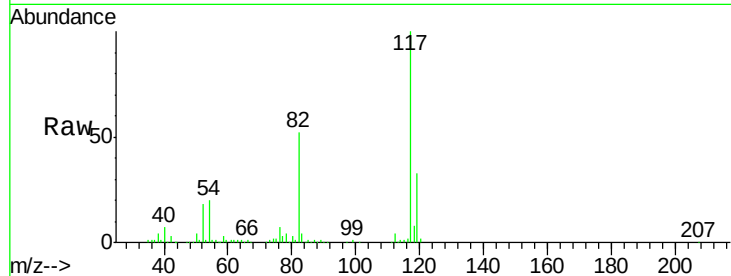
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	442094		
82	51.9	43.0	64.4	
119	33.1	26.1	39.1	

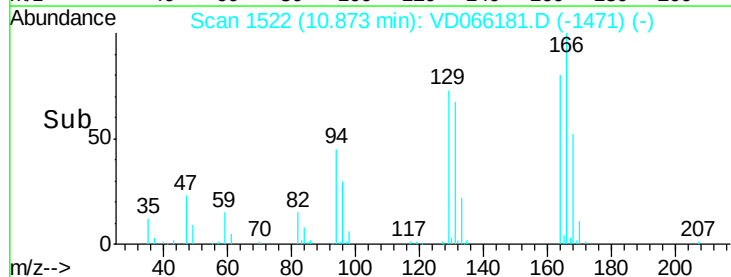
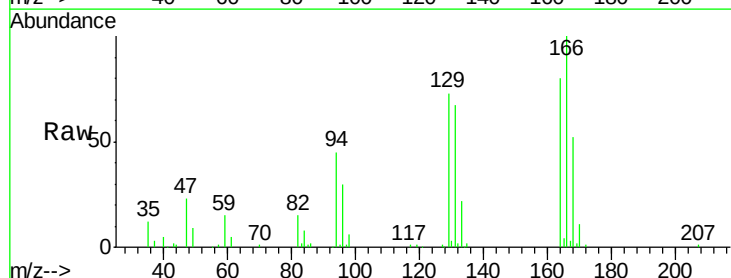
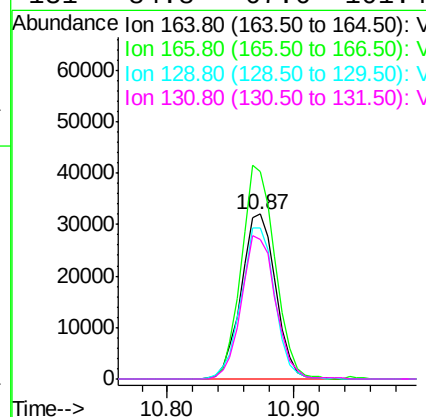
Manual Integrations
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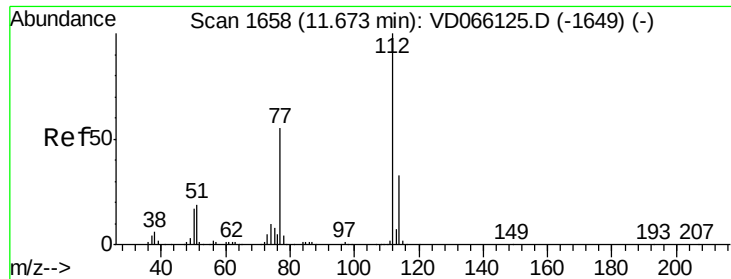
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#64
Tetrachloroethene
Concen: 17.755 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	60275		
166	125.7	101.9	152.9	
129	91.4	68.1	102.1	
131	84.8	67.6	101.4	





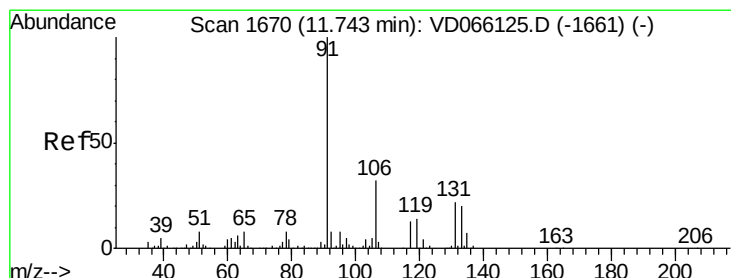
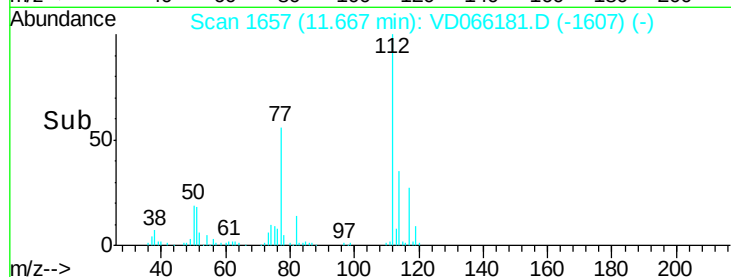
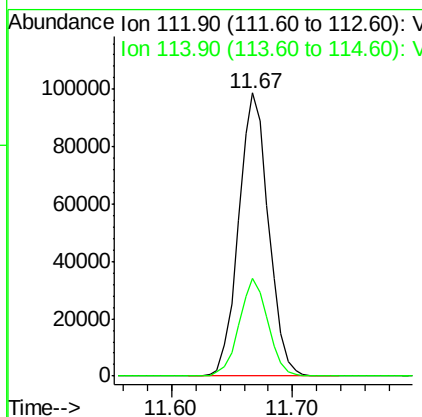
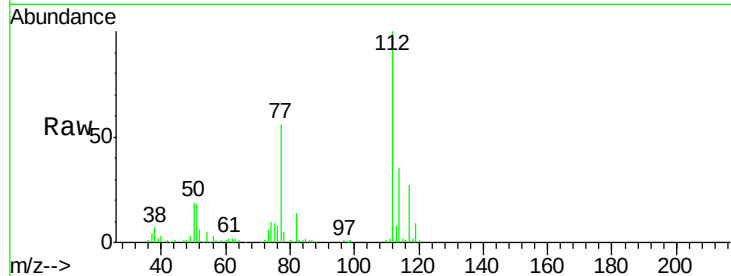
#65
Chlorobenzene
Concen: 18.972 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion:112 Resp: 170269
Ion Ratio Lower Upper
112 100
114 34.7 26.1 39.1

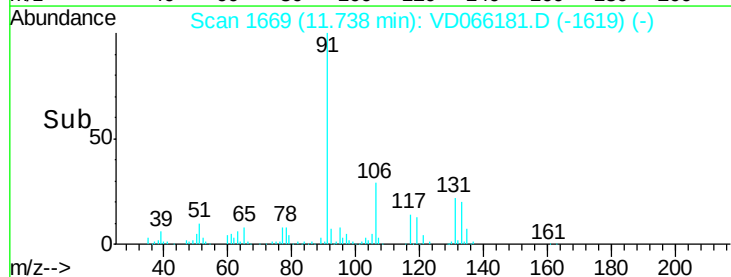
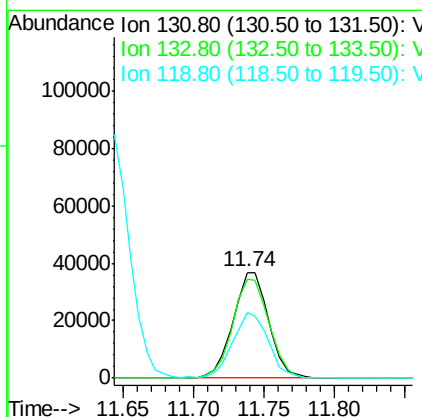
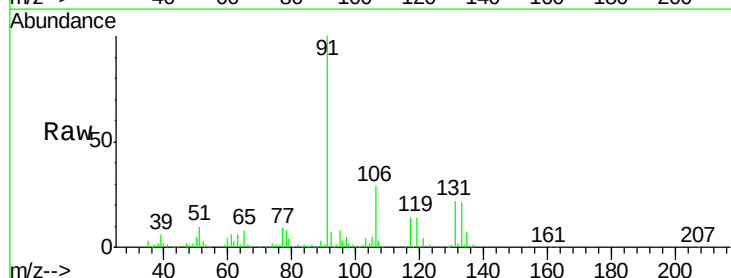
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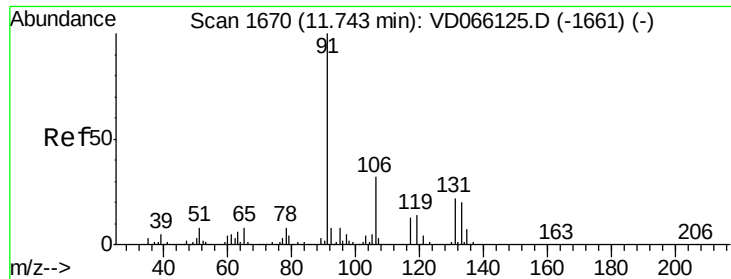
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.403 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion:131 Resp: 64624
Ion Ratio Lower Upper
131 100
133 96.1 47.1 141.4
119 62.1 31.6 94.7





#67

Ethyl Benzene

Concen: 18.728 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion: 91 Resp: 291259

Ion Ratio Lower Upper

91 100

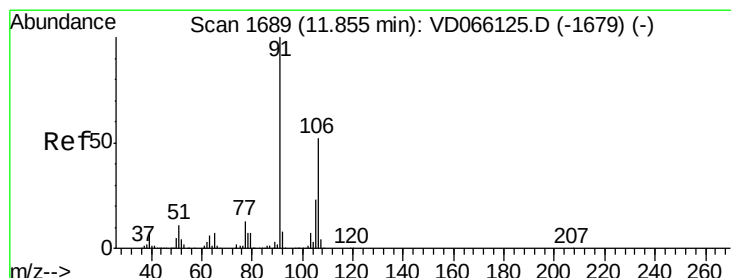
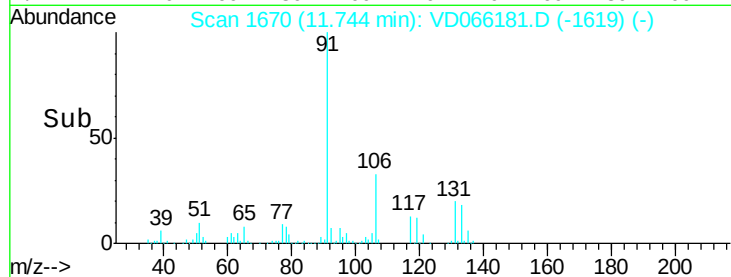
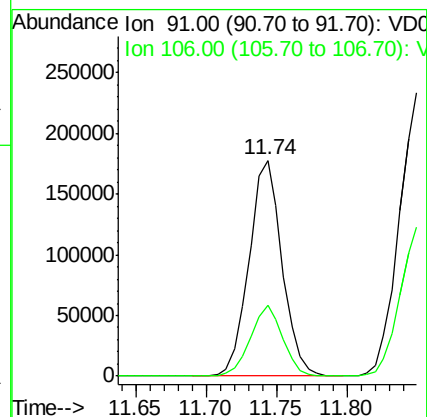
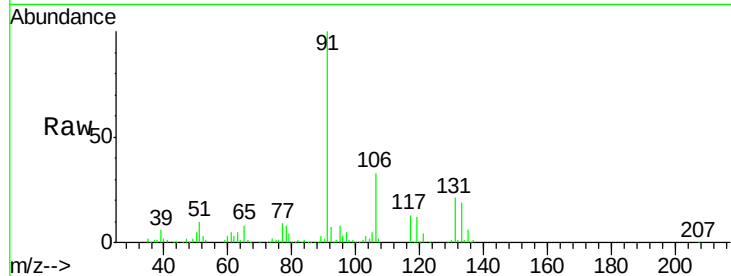
106 32.9 25.7 38.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.183 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD066181.D

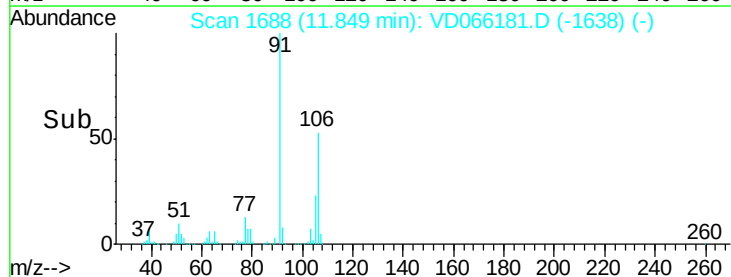
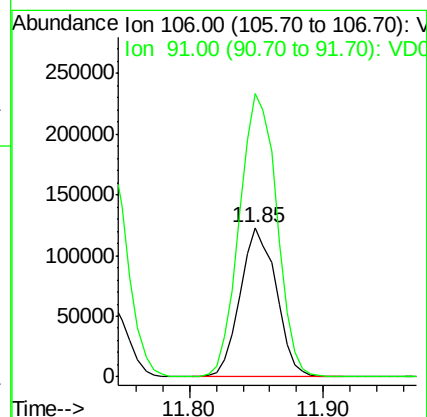
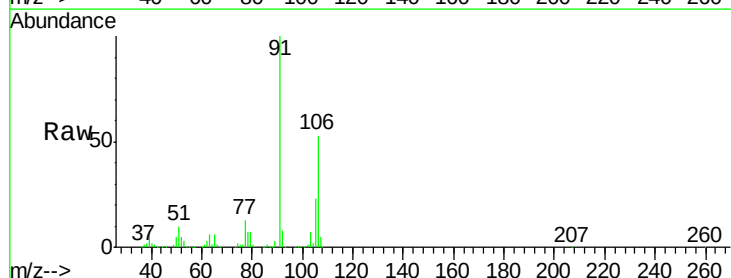
Acq: 11 Aug 2020 12:28

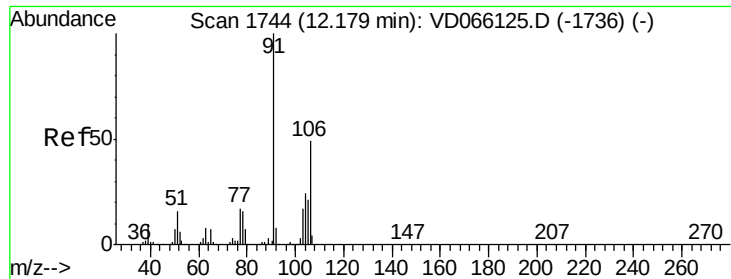
Tgt Ion: 106 Resp: 230077

Ion Ratio Lower Upper

106 100

91 196.7 156.6 235.0





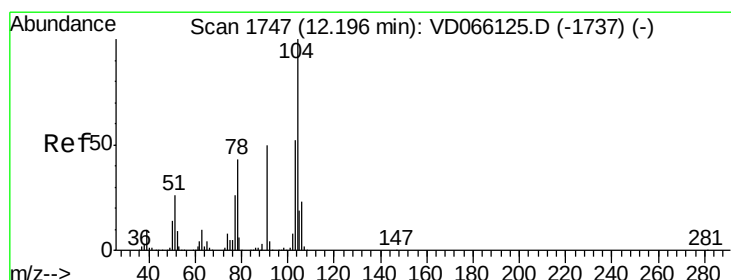
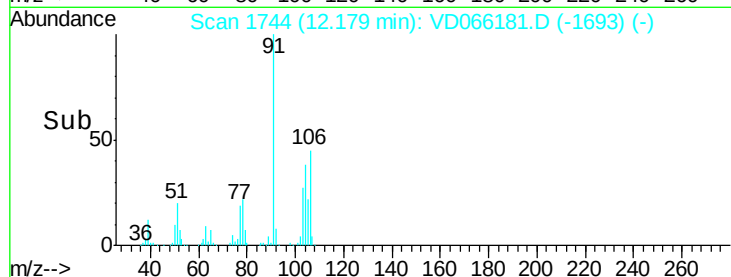
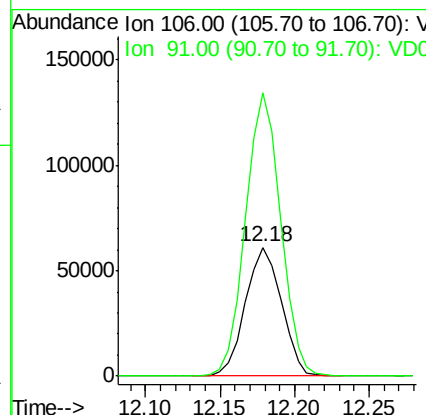
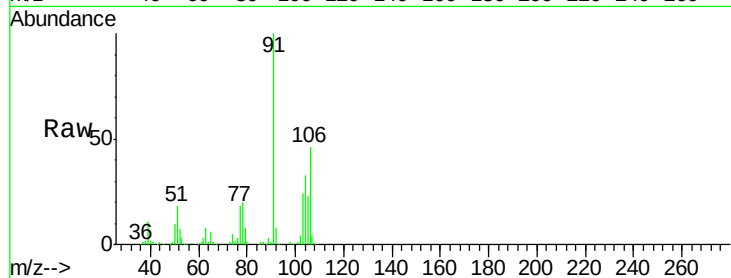
#69
o-Xylene
Concen: 18.680 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion:106 Resp: 102392
Ion Ratio Lower Upper
106 100
91 213.7 105.7 317.1

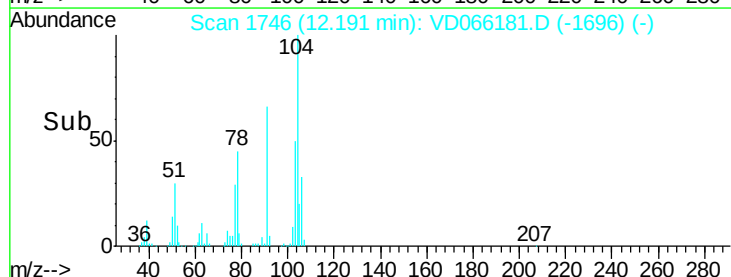
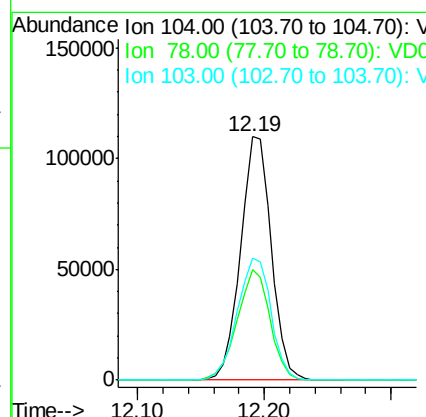
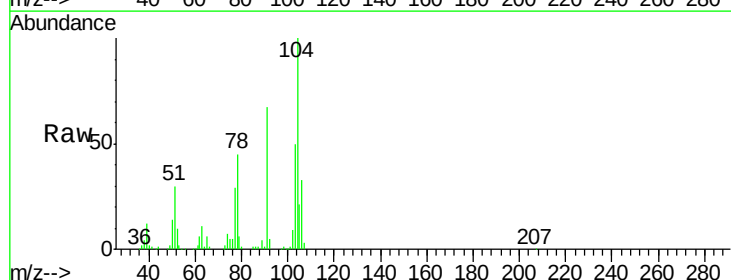
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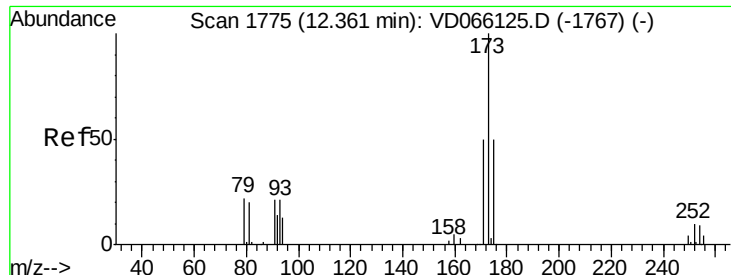
MMDadoda
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#70
Styrene
Concen: 19.180 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion:104 Resp: 184242
Ion Ratio Lower Upper
104 100
78 48.0 38.6 58.0
103 55.4 44.1 66.1





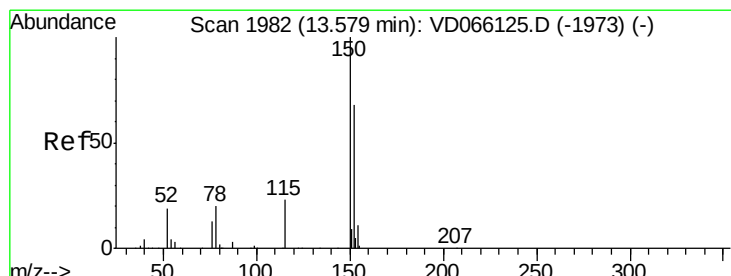
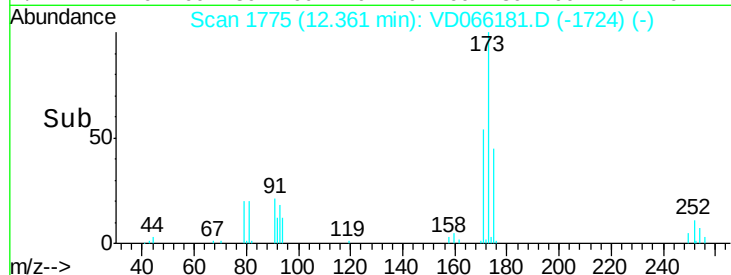
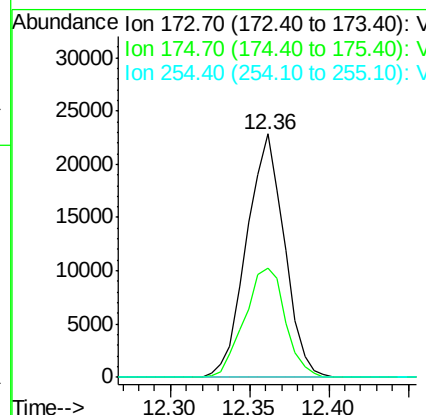
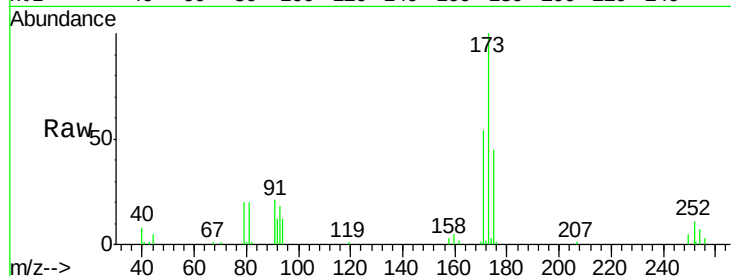
#71
Bromoform
Concen: 18.200 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.0	0.2	0.2

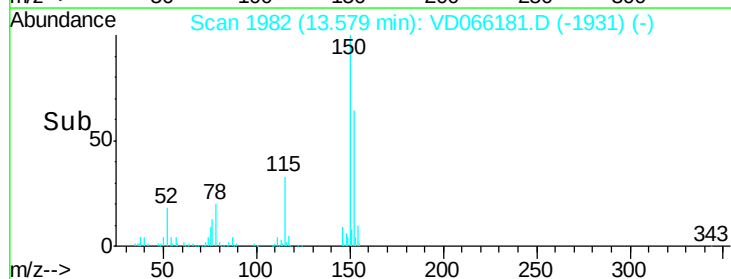
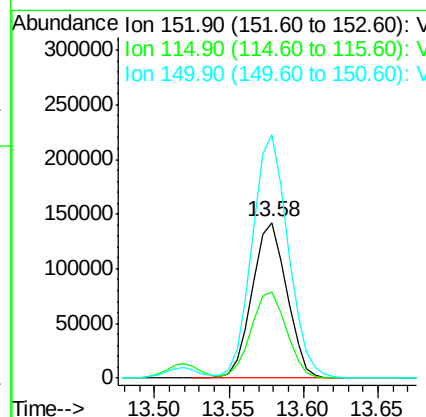
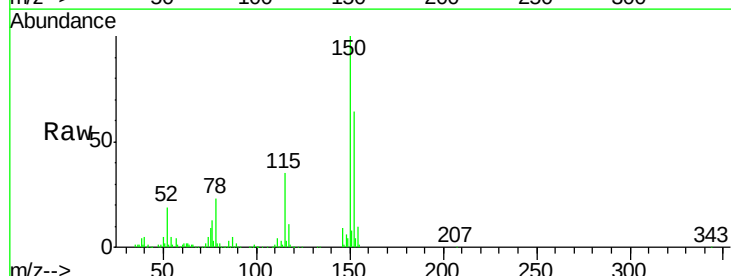
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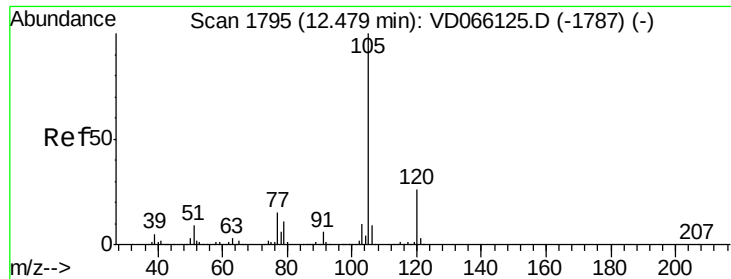
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.0	83.9
150	162.7	0.0	346.4





#73

Isopropylbenzene

Concen: 18.605 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion:105 Resp: 283083

Ion Ratio Lower Upper

105 100

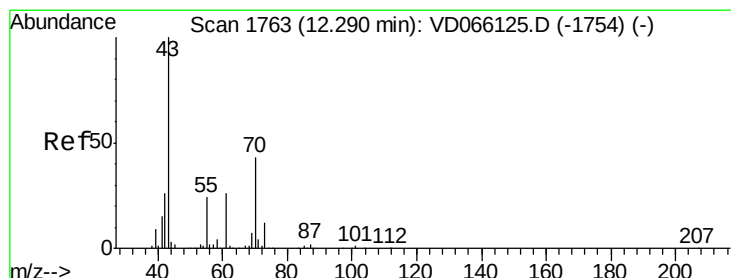
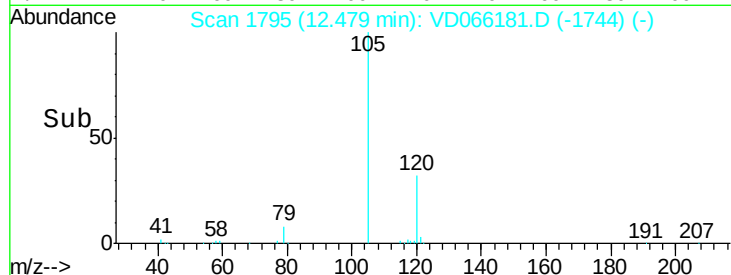
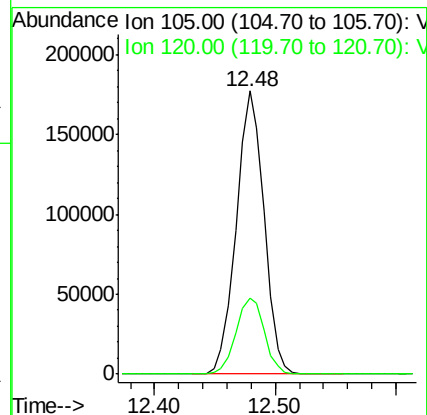
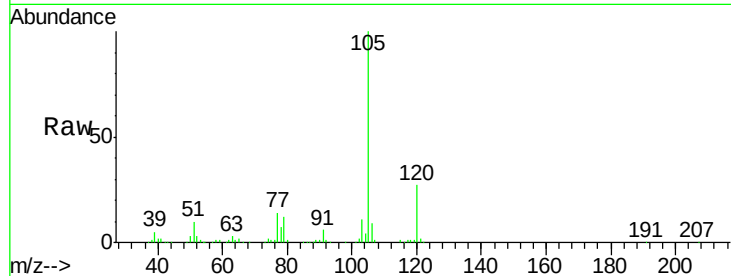
120 27.3 13.3 39.9

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#74

N-ethyl acetate

Concen: 18.688 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Tgt Ion: 43 Resp: 62613

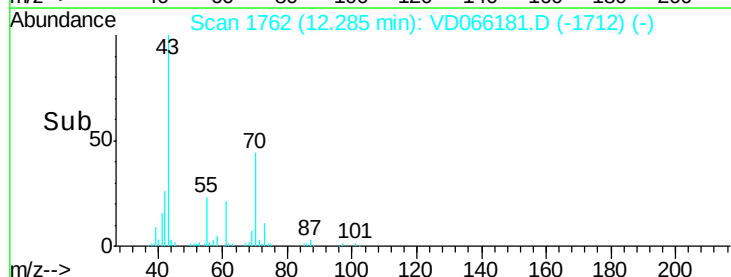
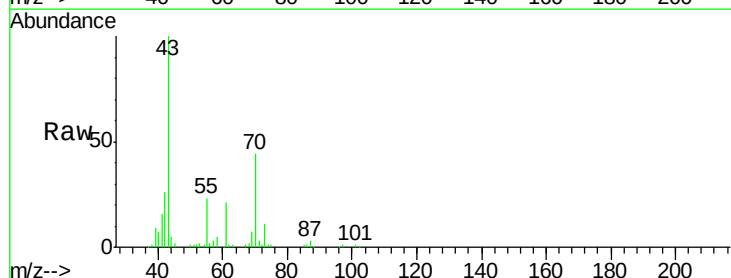
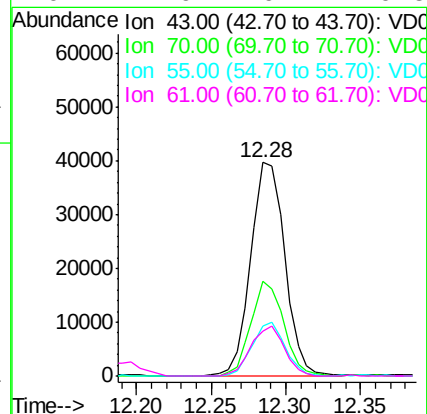
Ion Ratio Lower Upper

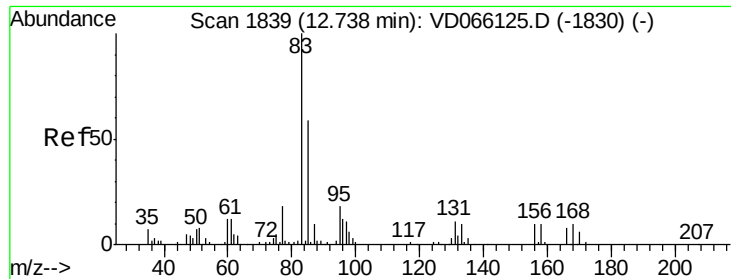
43 100

70 42.5 34.9 52.3

55 24.1 19.2 28.8

61 22.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.138 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

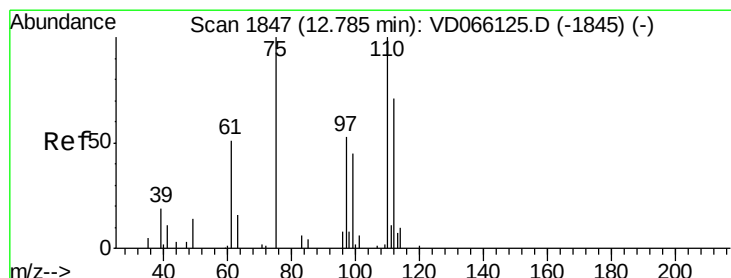
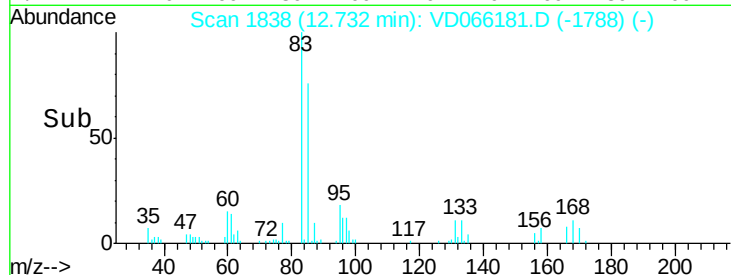
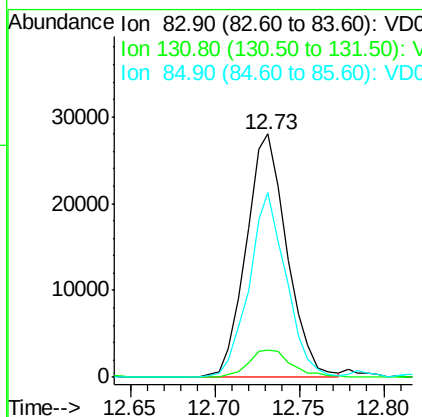
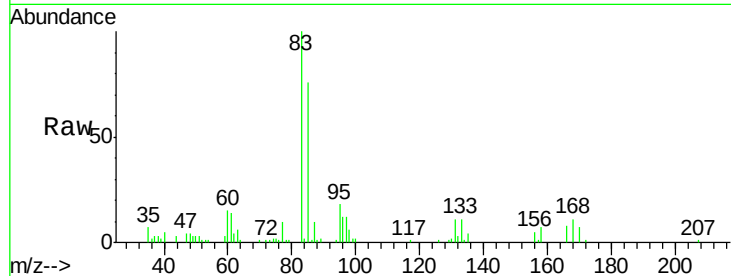
ClientSampleId :

VD0811SBS01

Tot Ion:	83	Resp:	47057
Ion Ratio	Lower	Upper	
83	100		
131	11.9	6.2	18.6
85	69.4	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 16.174 ug/l m

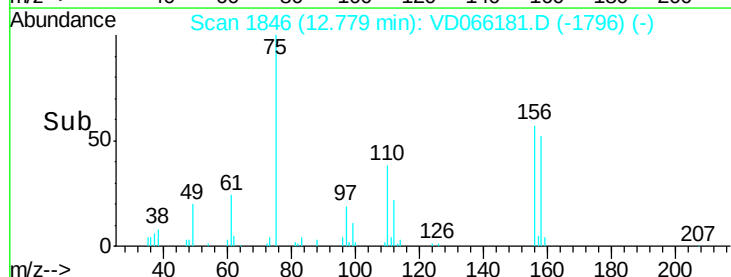
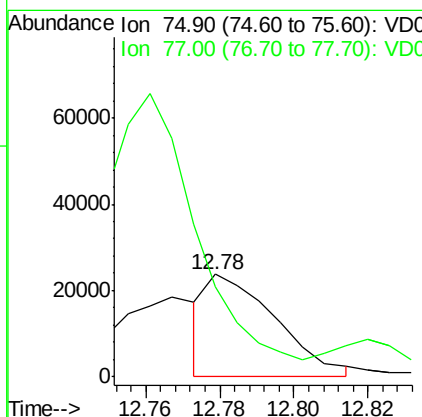
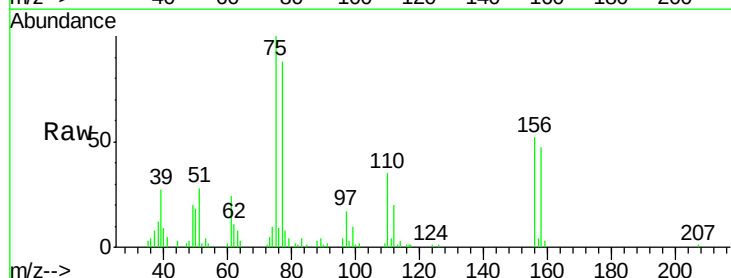
RT: 12.78 min Scan# 1846

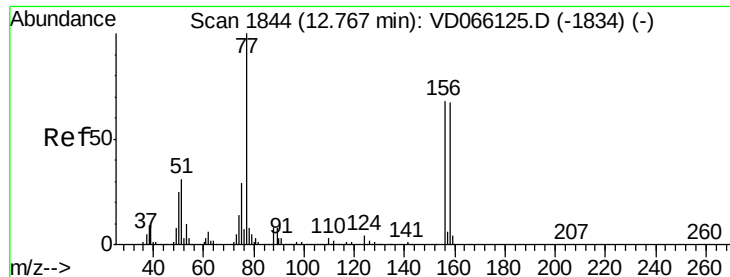
Delta R.T. -0.01 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Tgt Ion:	75	Resp:	30744
Ion Ratio	Lower	Upper	
75	100		
77	395.0	0.0	0.0#





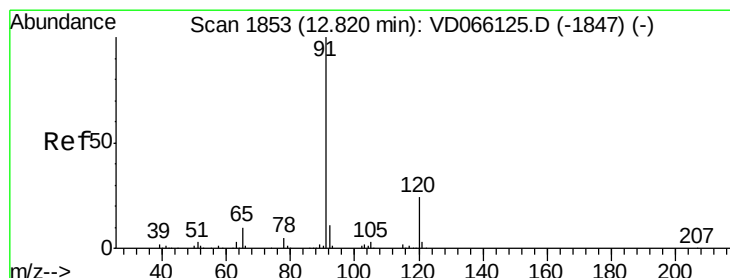
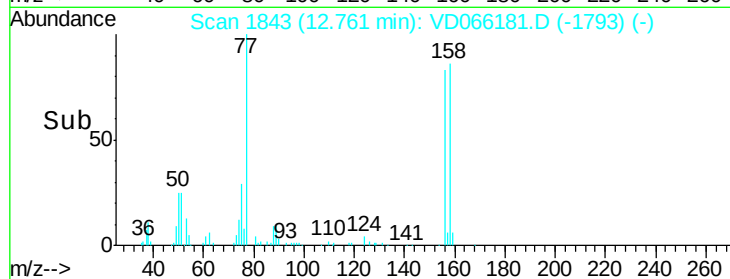
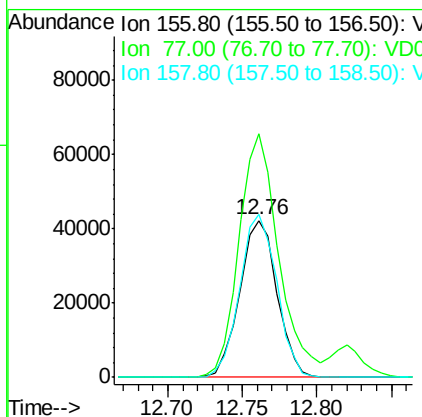
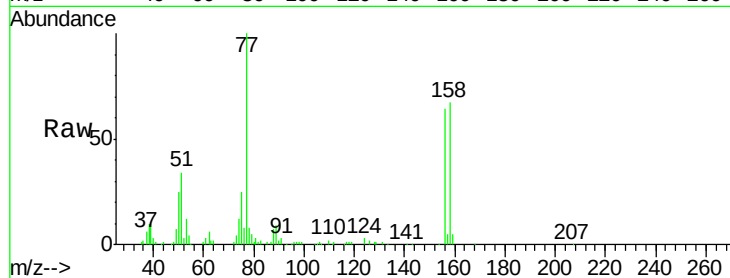
#77
Bromobenzene
Concen: 18.674 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.0	81.0	243.1
158	103.0	48.8	146.3

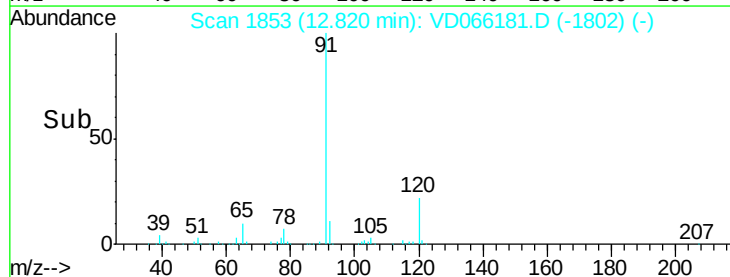
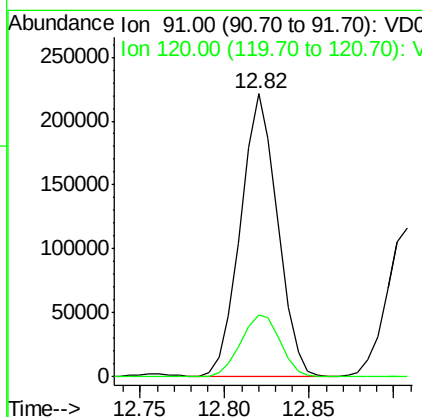
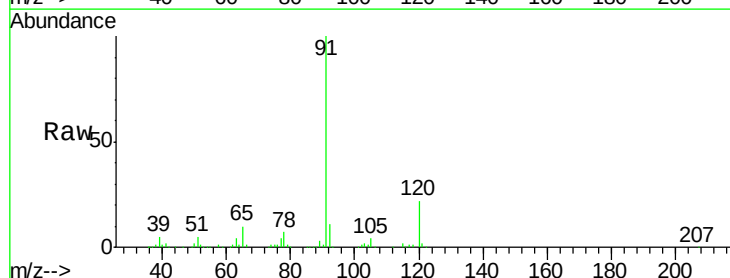
Manual Integrations
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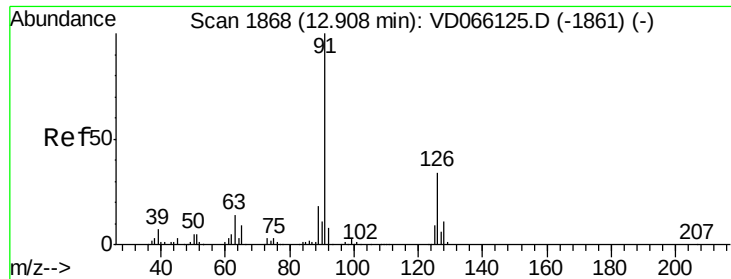
MMDadoda
8/12/2020 3:57:43 PM



#78
n-propylbenzene
Concen: 19.113 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	12.0	36.0





#79

2-Chlorotoluene

Concen: 19.129 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

ClientSampled :

VD0811SBS01

Tot Ion: 91 Resp: 193496

Ion Ratio Lower Upper

91 100

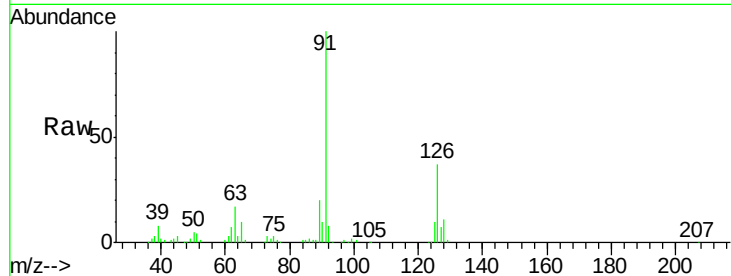
126 34.7 17.5 52.6

Manual Integrations

APPROVED

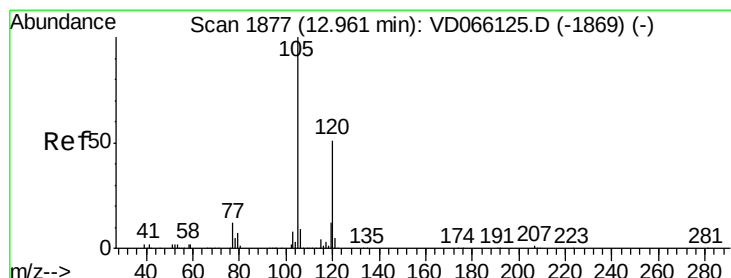
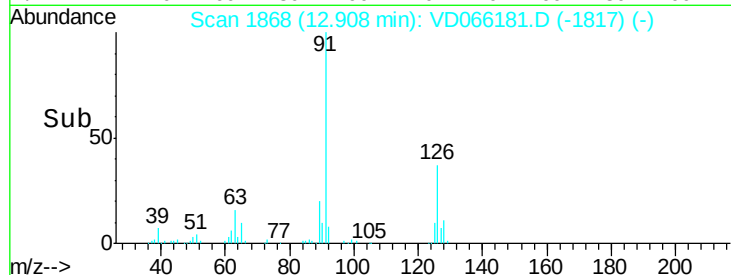
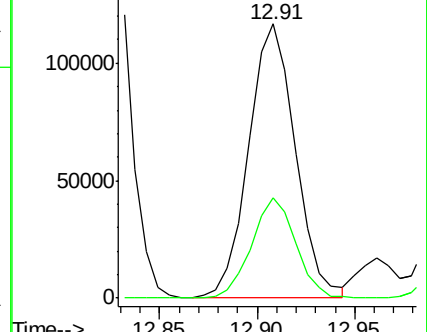
MMDadoda

8/12/2020 3:57:43 PM



Abundance Ion 91.00 (90.70 to 91.70): VD066181.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066181.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.018 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066181.D

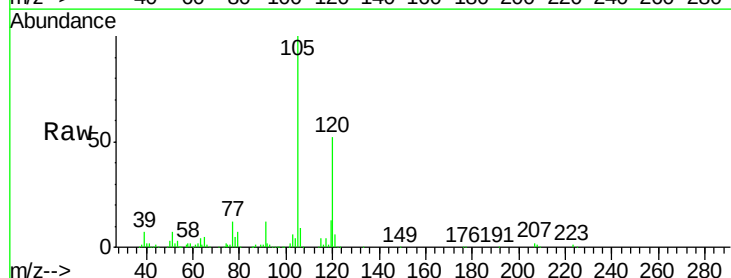
Acq: 11 Aug 2020 12:28

Tgt Ion: 105 Resp: 241993

Ion Ratio Lower Upper

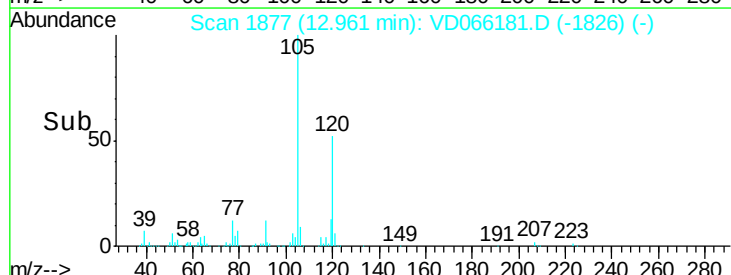
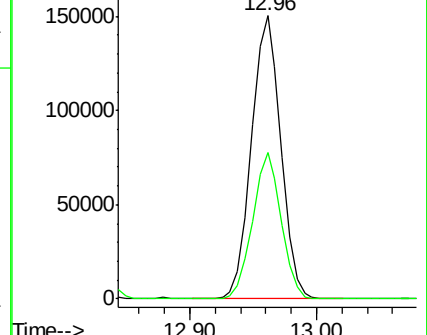
105 100

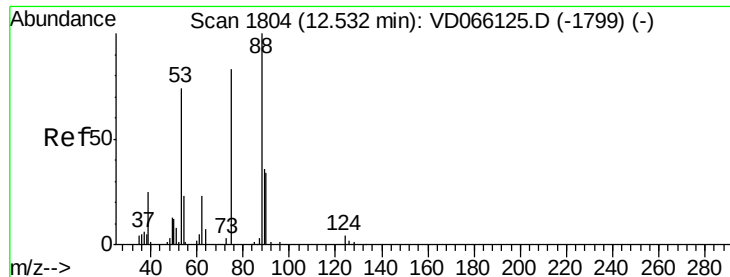
120 50.4 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066181.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066181.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.725 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

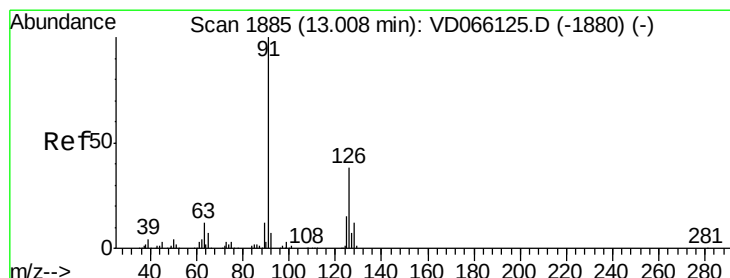
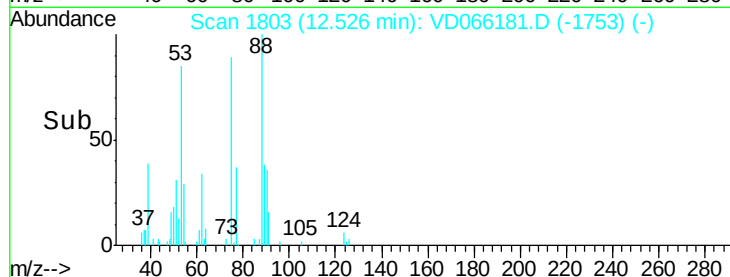
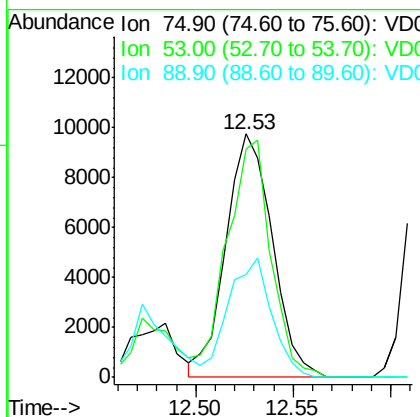
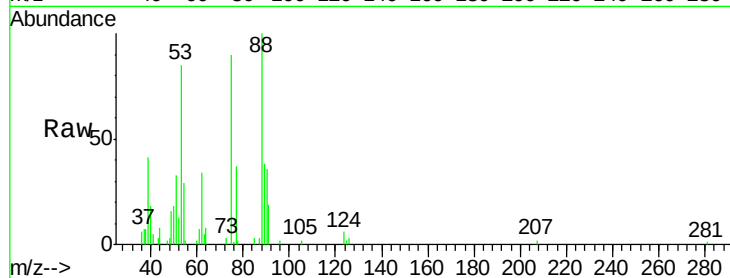
ClientSampleId :

VD0811SBS01

Tot Ion:	75	Resp:	16101
Ion	Ratio	Lower	Upper
75	100		
53	92.4	73.4	110.2
89	45.7	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.294 ug/l

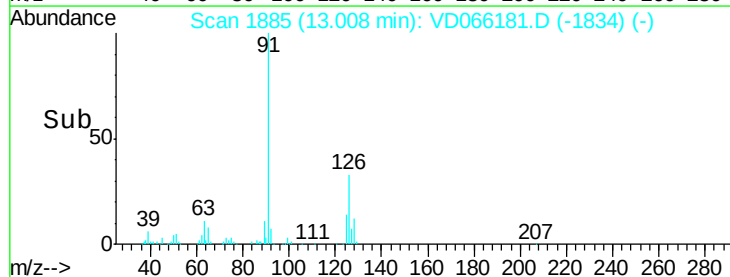
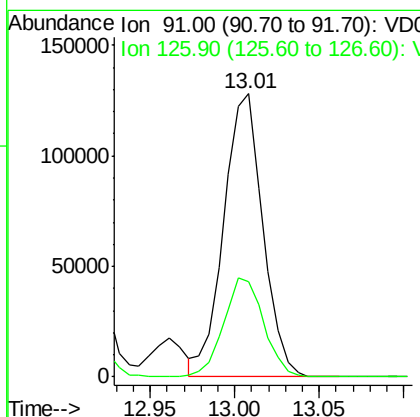
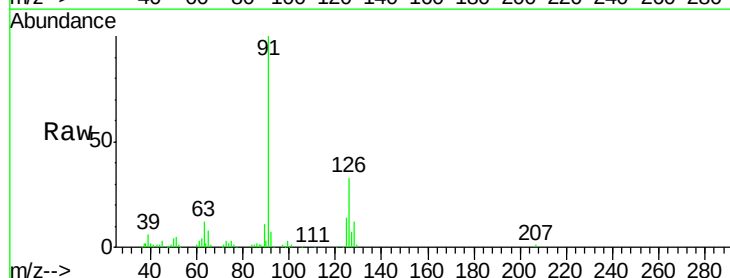
RT: 13.01 min Scan# 1885

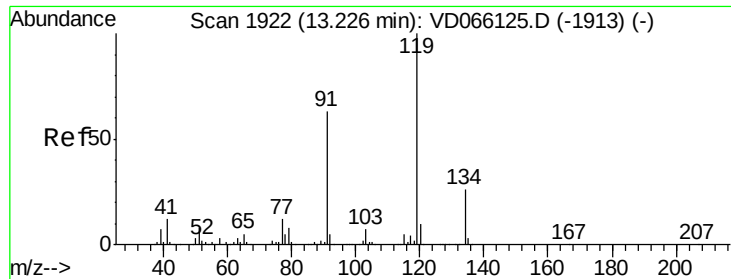
Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Tgt Ion:	91	Resp:	206024
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.8	53.3





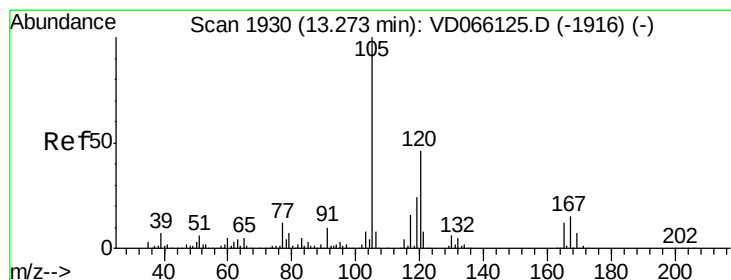
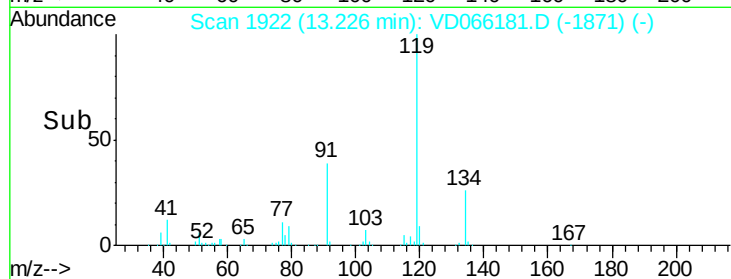
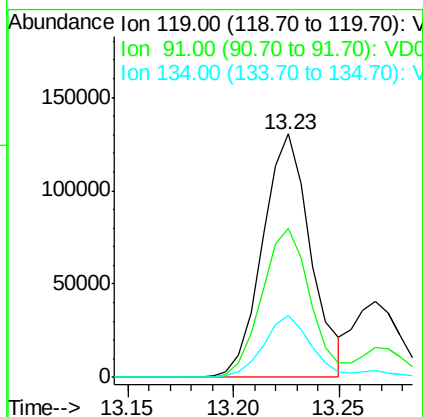
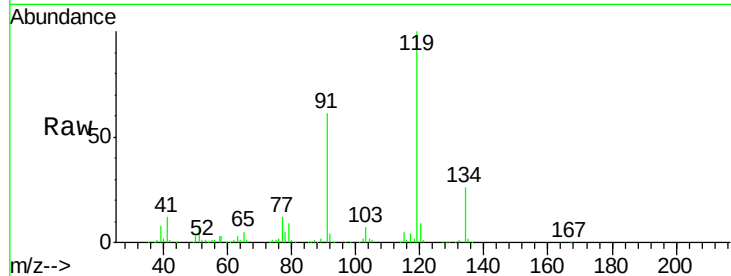
#83
 tert-Butylbenzene
 Concen: 18.468 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	206667		
91	62.6		30.8	92.4
134	25.1		13.6	40.8

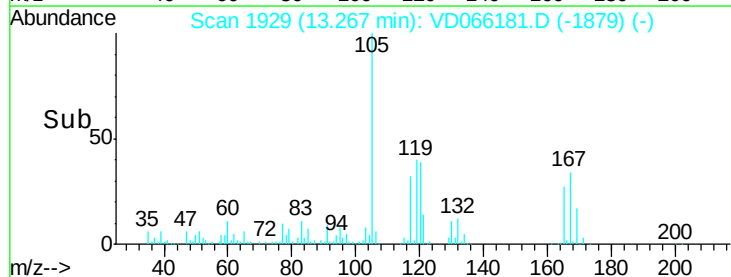
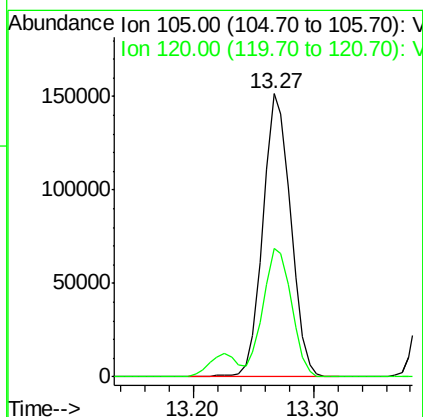
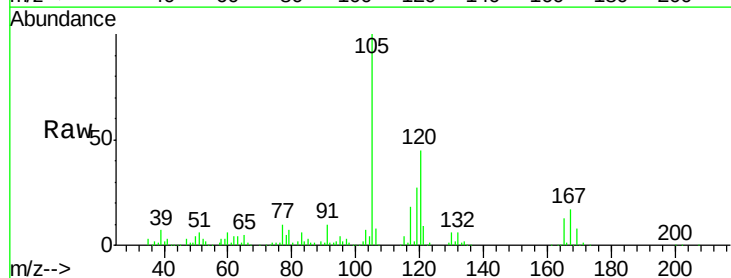
Manual Integrations
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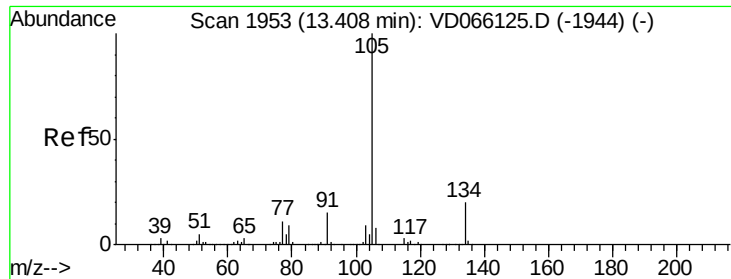
MMDadoda
 8/12/2020 3:57:43 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.957 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	241400		
120	46.4		23.1	69.2





#85

sec-Butylbenzene

Concen: 19.026 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0811SBS01

Tot Ion:105 Resp: 287462

Ion Ratio Lower Upper

105 100

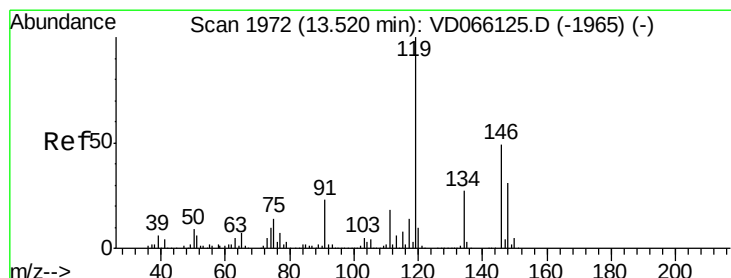
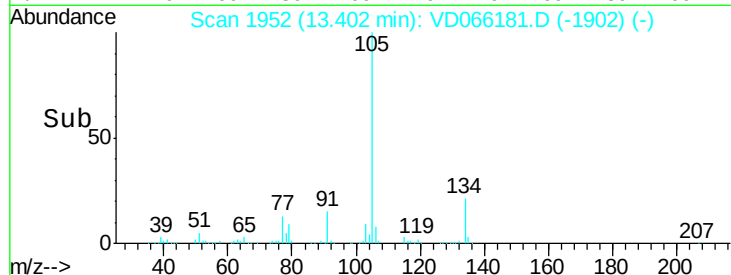
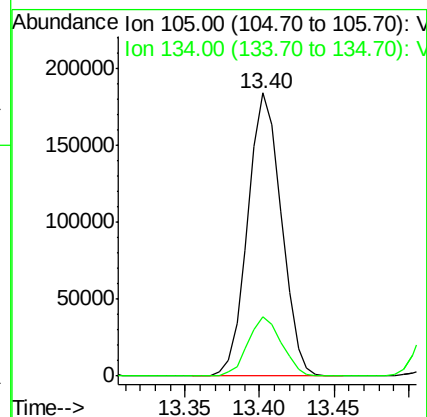
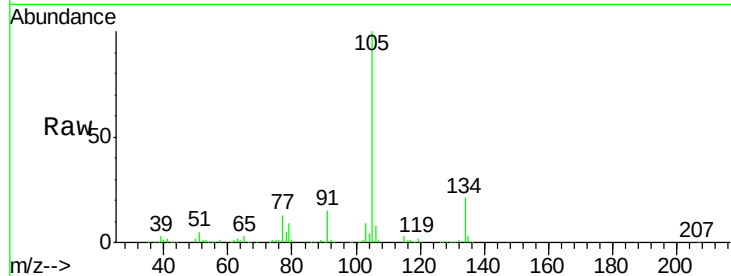
134 20.9 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.650 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

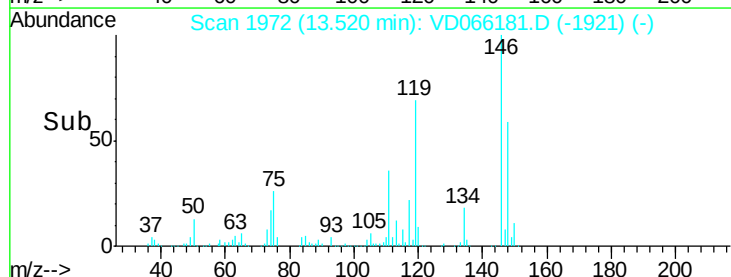
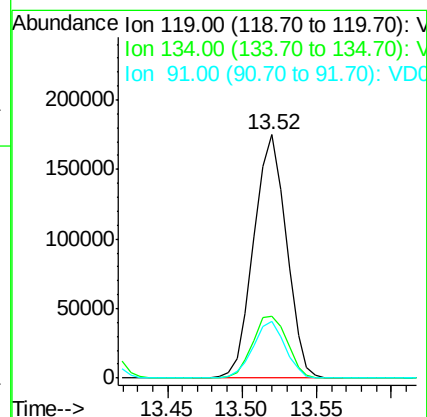
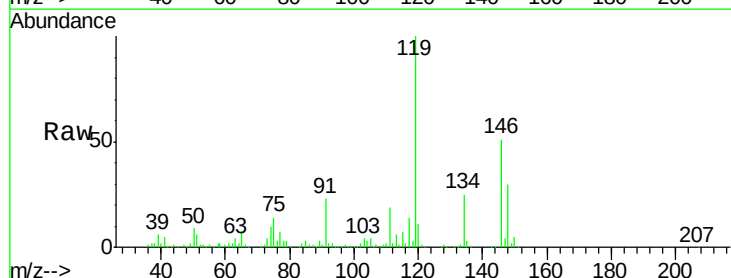
Tgt Ion:119 Resp: 264285

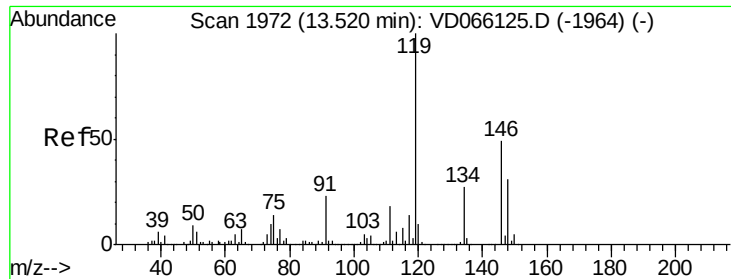
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 23.0 11.2 33.5





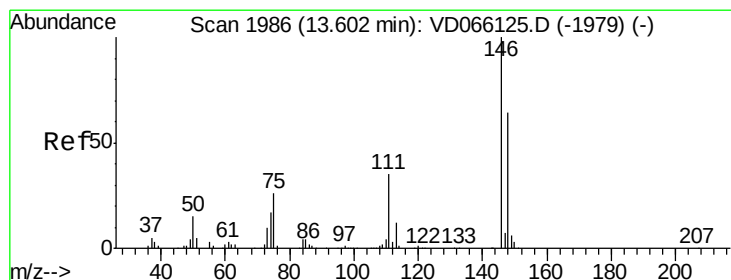
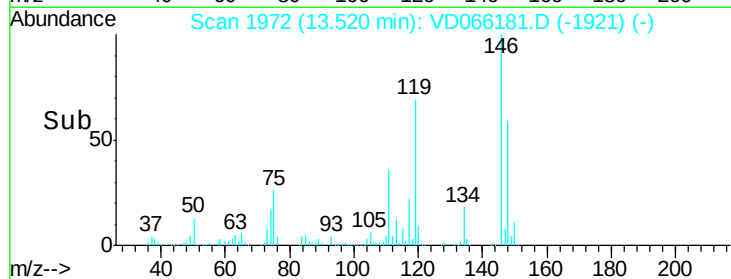
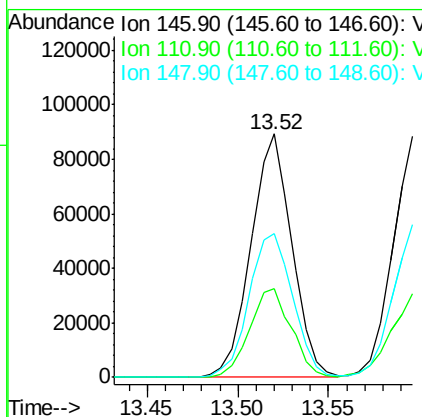
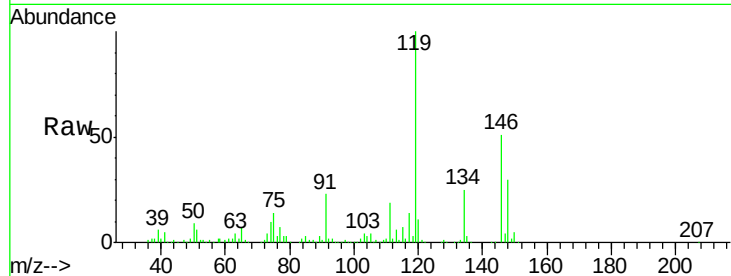
#87
 1,3-Dichlorobenzene
 Concen: 19.004 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	139894		
111	37.2	18.9	56.9	
148	63.5	31.8	95.3	

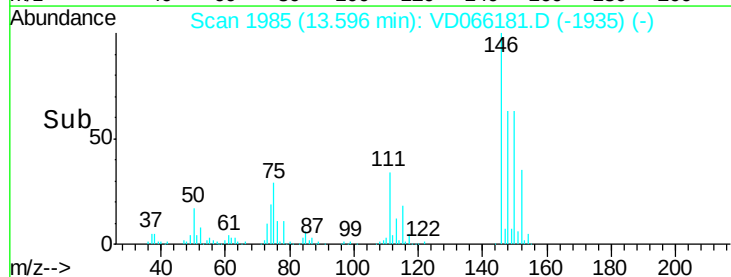
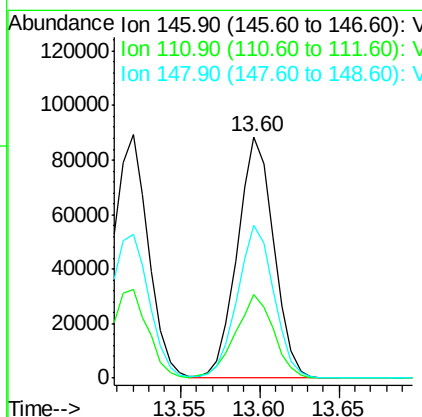
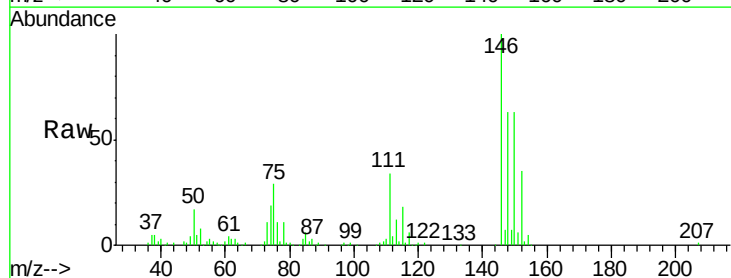
Manual Integrations
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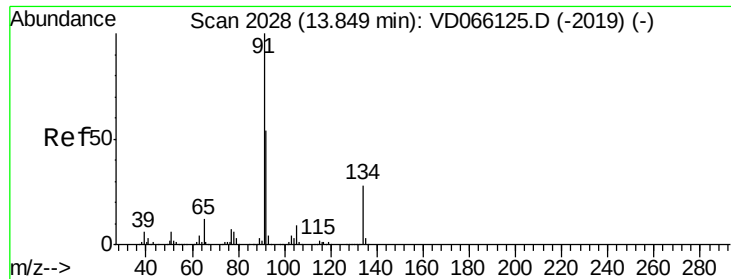
MMDadoda
 8/12/2020 3:57:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.320 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	141830		
111	35.9	18.6	55.8	
148	63.4	32.4	97.0	





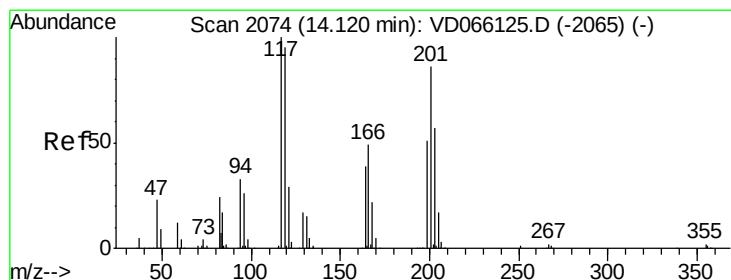
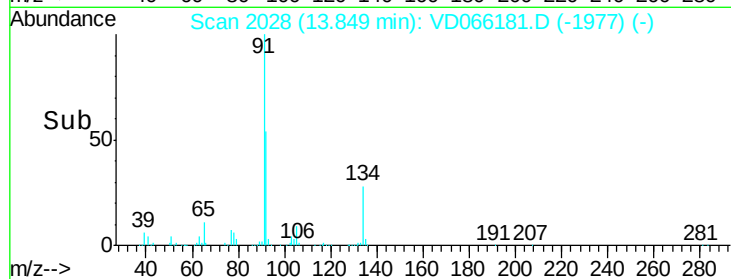
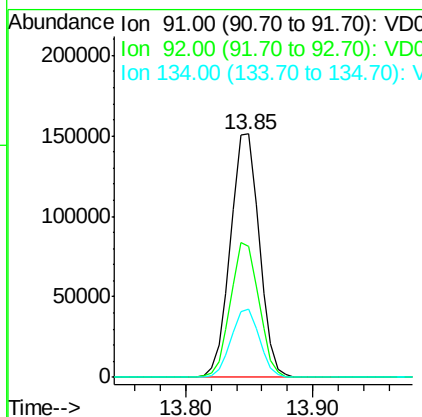
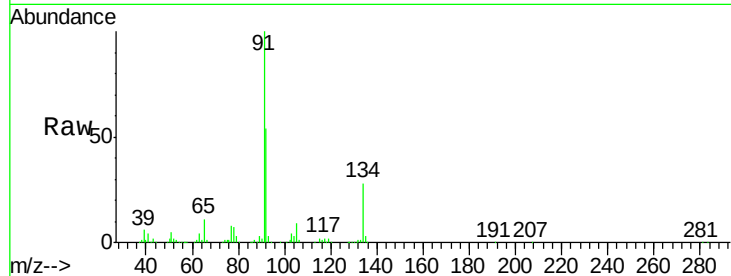
#89
n-Butylbenzene
Concen: 18.713 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	26.8	80.3
134	27.6	14.0	41.9

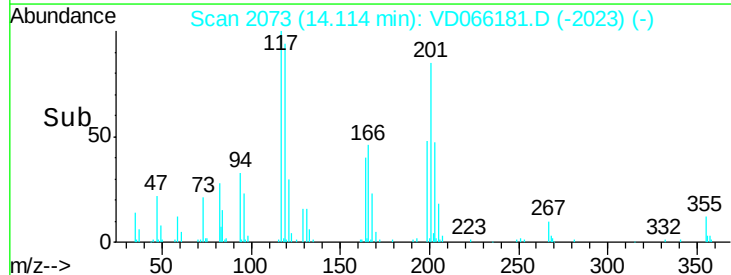
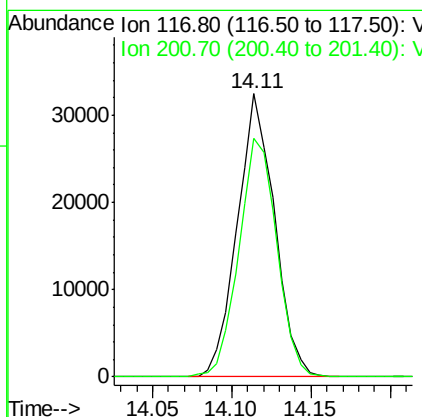
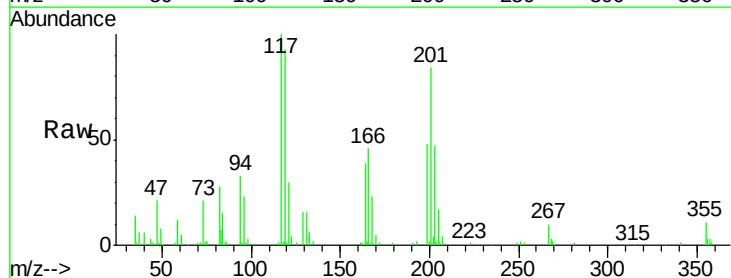
Manual Integrations
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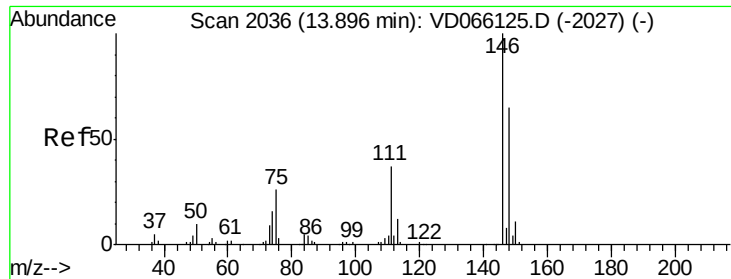
MMDadoda
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#90
Hexachloroethane
Concen: 18.672 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	42.7	128.1





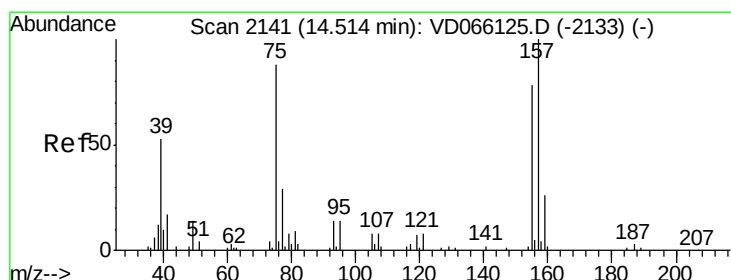
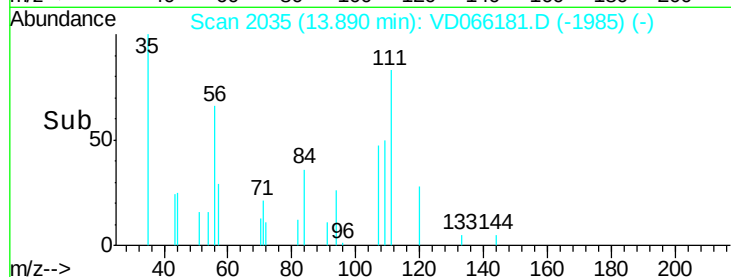
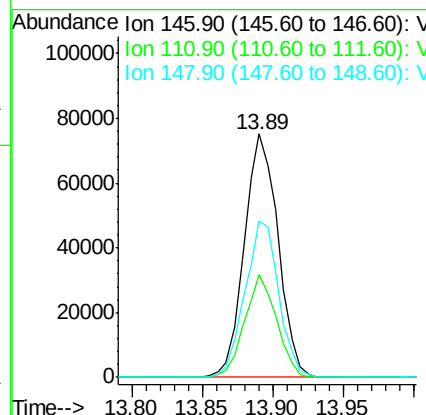
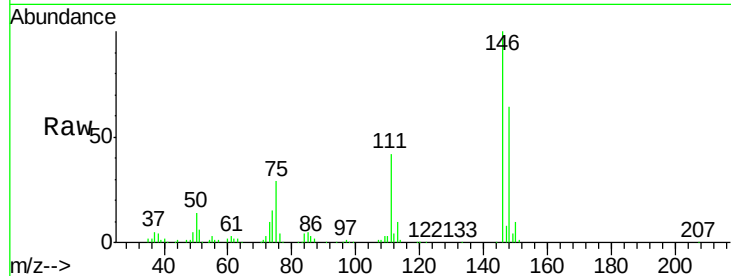
#91
1,2-Dichlorobenzene
Concen: 19.315 ug/l
RT: 13.89 min Scan# 2035
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0811SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.8	56.3
148	64.1	31.9	95.5

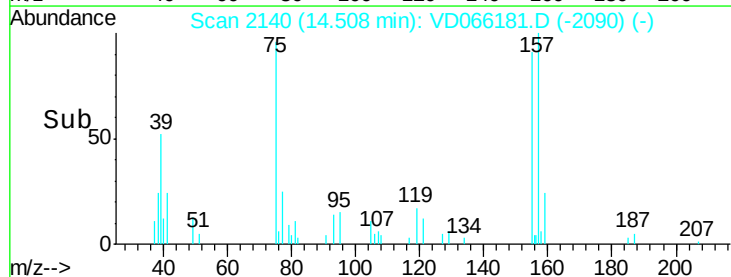
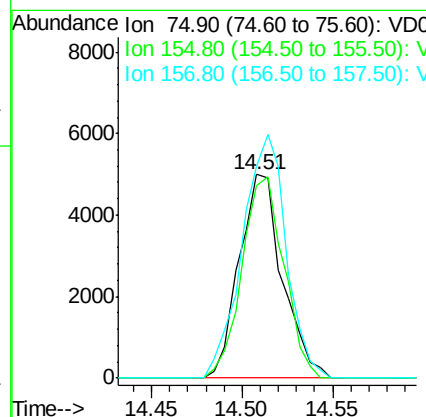
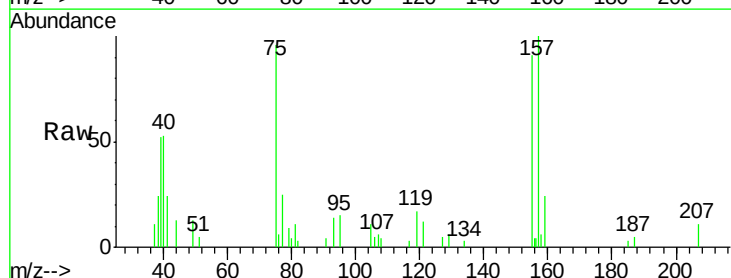
Manual Integrations
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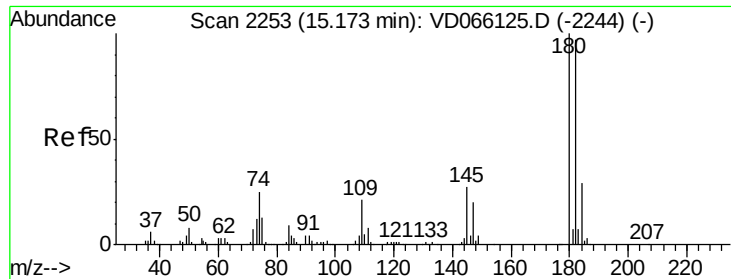
MMDadoda
8/12/2020 3:57:43 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.544 ug/l
RT: 14.51 min Scan# 2140
Delta R.T. -0.01 min
Lab File: VD066181.D
Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	47.7	143.1
157	121.6	62.1	186.2





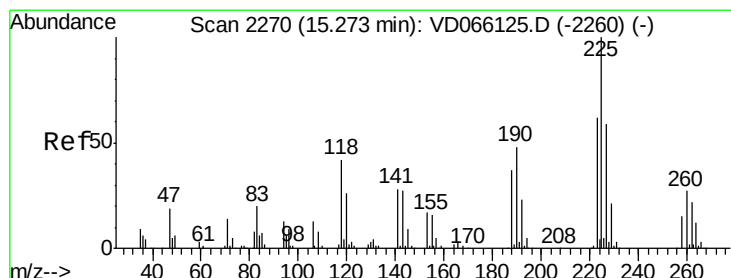
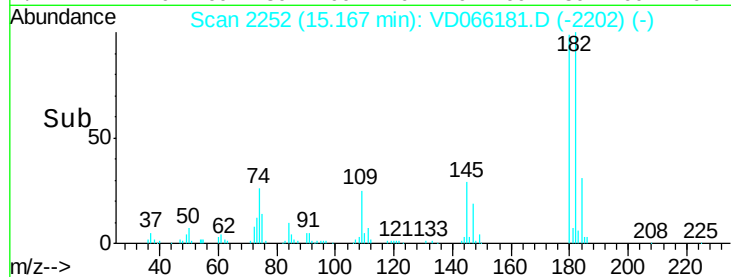
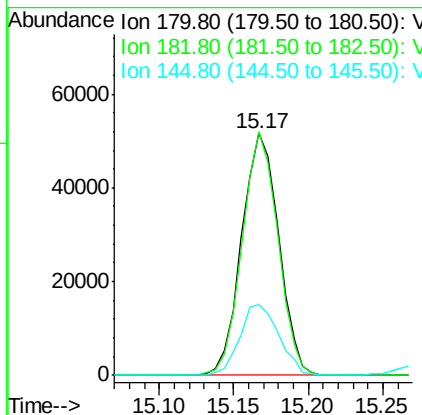
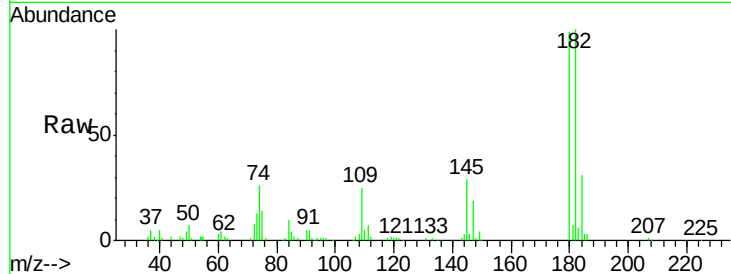
#93
 1,2,4-Trichlorobenzene
 Concen: 18.498 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0811SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.6	47.4	142.2	
145	30.9	14.5	43.6	

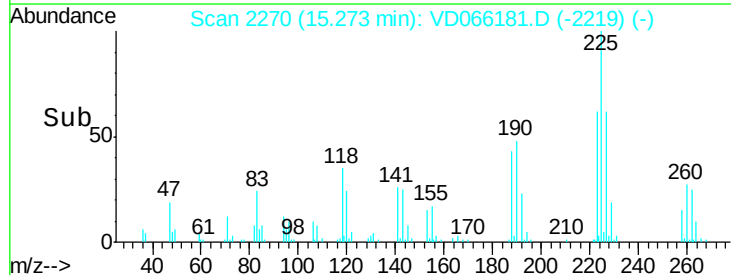
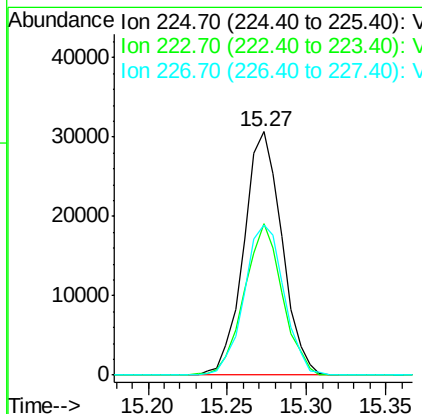
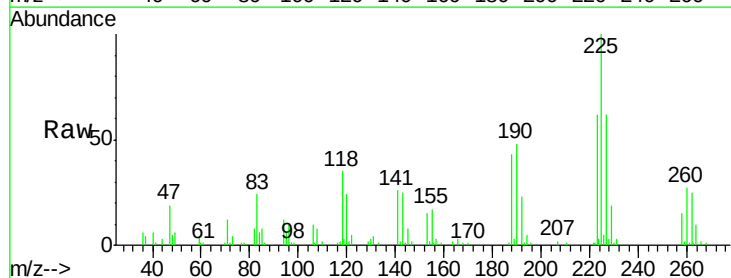
Manual Integrations
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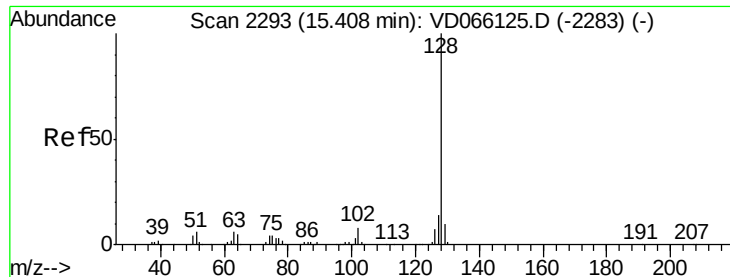
MMDadoda
 8/12/2020 3:57:43 PM



#94
 Hexachlorobutadiene
 Concen: 18.185 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066181.D
 Acq: 11 Aug 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.8	32.3	96.9	
227	64.3	32.1	96.5	





#95

Naphthalene

Concen: 17.965 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Instrument :

MSVOA_D

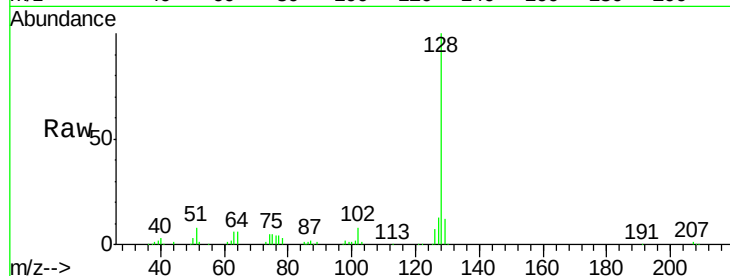
ClientSampleId :

VD0811SBS01

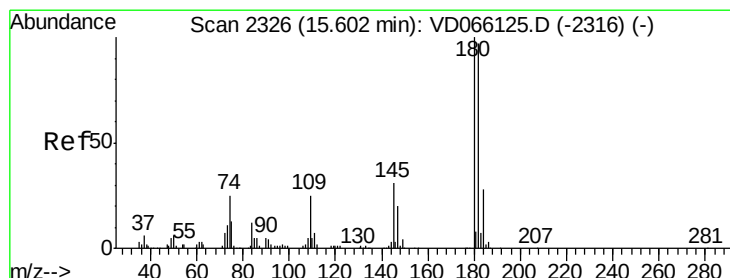
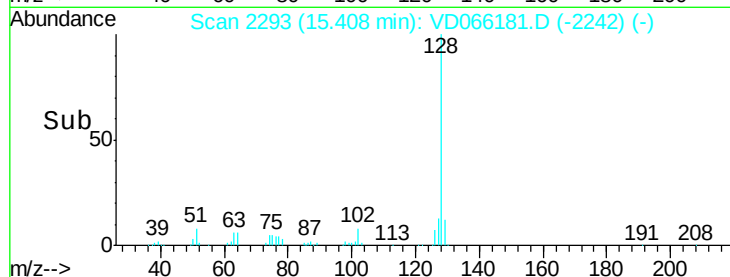
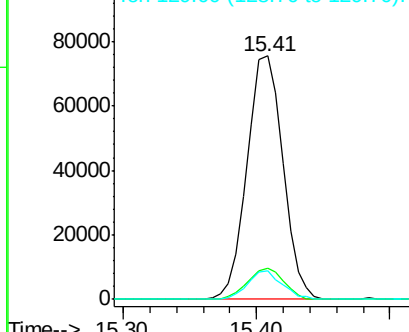
Tot Ion:	128	Resp:	140439
Ion	Ratio	Lower	Upper
128	100		
127	13.0	11.0	16.4
129	11.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/12/2020 3:57:43 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.589 ug/l

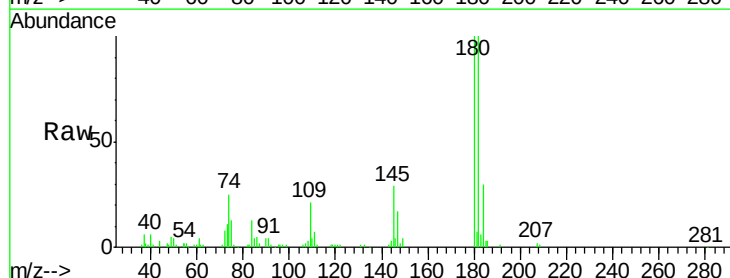
RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066181.D

Acq: 11 Aug 2020 12:28

Tgt Ion:	180	Resp:	74492
Ion	Ratio	Lower	Upper
180	100		
182	100.4	47.1	141.4
145	32.4	14.9	44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

