

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100820\
 Data File : VD067186.D
 Acq On : 08 Oct 2020 11:24
 Operator : VA/SY
 Sample : VD1008SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/9/2020 4:22:30 PM

Quant Time: Oct 08 16:32:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	354385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	531149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	501876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	251425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	176375	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
35) Dibromofluoromethane	7.91	113	181761	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	10.34	98	667249	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.64	95	237307	55.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79173	25.303	ug/l	94
3) Chloromethane	2.21	50	52879	18.736	ug/l	92
4) Vinyl Chloride	2.35	62	55704	19.684	ug/l	99
5) Bromomethane	2.76	94	41022	19.880	ug/l	94
6) Chloroethane	2.91	64	33624	19.511	ug/l	93
7) Trichlorofluoromethane	3.27	101	134025	21.317	ug/l	94
8) Diethyl Ether	3.71	74	30999	19.883	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	73618	20.716	ug/l	98
10) Methyl Iodide	4.29	142	61981	17.950	ug/l	96
11) Tert butyl alcohol	5.21	59	25775	99.616	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	66755	19.982	ug/l	97
13) Acrolein	3.92	56	18055	78.994	ug/l	97
14) Allyl chloride	4.71	41	77961	17.964	ug/l	91
15) Acrylonitrile	5.43	53	57161	99.615	ug/l	95
16) Acetone	4.16	43	53071	101.852	ug/l	99
17) Carbon Disulfide	4.41	76	193659	18.889	ug/l	98
18) Methyl Acetate	4.73	43	25004	19.093	ug/l	92
19) Methyl tert-butyl Ether	5.47	73	128885	21.134	ug/l #	91
20) Methylene Chloride	4.97	84	85361	18.503	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	75901	19.964	ug/l	97
22) Diisopropyl ether	6.36	45	151088	19.069	ug/l #	96
23) Vinyl Acetate	6.30	43	418908	93.304	ug/l	99
24) 1,1-Dichloroethane	6.26	63	119788	19.591	ug/l	99
25) 2-Butanone	7.21	43	67329	91.140	ug/l	99
26) 2,2-Dichloropropane	7.20	77	117130	19.920	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	84791	20.883	ug/l	97
28) Bromochloromethane	7.54	49	42264	17.898	ug/l	85
29) Tetrahydrofuran	7.56	42	38626	90.934	ug/l	92
30) Chloroform	7.71	83	141753	21.371	ug/l	89
31) Cyclohexane	7.98	56	91550	17.859	ug/l	83
32) 1,1,1-Trichloroethane	7.90	97	133716	21.752	ug/l	98
36) 1,1-Dichloropropene	8.11	75	101080	20.417	ug/l	96
37) Ethyl Acetate	7.28	43	33896	19.763	ug/l	96
38) Carbon Tetrachloride	8.10	117	124289	23.202	ug/l	96

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Manual Integrations
 APPROVED

MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	106423	20.332	ug/l	95
40) Benzene	8.36	78	286993	20.870	ug/l	99
41) Methacrylonitrile	7.53	41	14533	15.684	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	86657	22.552	ug/l	98
43) Isopropyl Acetate	8.46	43	61724	19.535	ug/l	95
44) Trichloroethene	9.11	130	90944	22.147	ug/l	94
45) 1,2-Dichloropropane	9.38	63	67815	20.989	ug/l	97
46) Dibromomethane	9.47	93	40576	21.850	ug/l	95
47) Bromodichloromethane	9.66	83	106667	22.097	ug/l	98
48) Methyl methacrylate	9.46	41	28267	17.463	ug/l #	69
49) 1,4-Dioxane	9.46	88	8308	428.652	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	158921	100.979	ug/l	97
52) Toluene	10.40	92	199378	22.508	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	96017	22.255	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	114107	21.659	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	57411	22.236	ug/l	98
56) Ethyl methacrylate	10.66	69	59544	22.338	ug/l	96
57) 1,3-Dichloropropane	10.95	76	90617	21.644	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	149889	101.028	ug/l	93
59) 2-Hexanone	10.98	43	107032	101.894	ug/l	97
60) Dibromochloromethane	11.14	129	79250	23.030	ug/l	94
61) 1,2-Dibromoethane	11.24	107	56720	22.867	ug/l	99
64) Tetrachloroethene	10.87	164	81884	22.442	ug/l	92
65) Chlorobenzene	11.67	112	217718	21.812	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	87786	23.121	ug/l	97
67) Ethyl Benzene	11.74	91	373001	21.810	ug/l	96
68) m/p-Xylenes	11.86	106	292006	43.811	ug/l	96
69) o-Xylene	12.18	106	130755	21.938	ug/l	92
70) Styrene	12.20	104	230795	22.550	ug/l	99
71) Bromoform	12.36	173	45846	23.261	ug/l #	97
73) Isopropylbenzene	12.48	105	368141	21.564	ug/l	99
74) N-amyl acetate	12.29	43	58382	19.023	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	58349	20.285	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	49999m	22.831	ug/l	
77) Bromobenzene	12.76	156	91086	22.096	ug/l	96
78) n-propylbenzene	12.83	91	426171	21.122	ug/l	98
79) 2-Chlorotoluene	12.91	91	245221	21.243	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	321364	22.280	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18154	20.667	ug/l	98
82) 4-Chlorotoluene	13.01	91	268882	21.892	ug/l	99
83) tert-Butylbenzene	13.23	119	274634	22.610	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	317576	22.062	ug/l	99
85) sec-Butylbenzene	13.41	105	367515	21.486	ug/l	99
86) p-Isopropyltoluene	13.52	119	348087	21.950	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	177299	22.081	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	178291	22.207	ug/l	99
89) n-Butylbenzene	13.85	91	305075	21.050	ug/l	98
90) Hexachloroethane	14.12	117	58685	21.126	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	153162	21.841	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9727	20.978	ug/l	99

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MSVOA_D
ClientSampleId :
VD1008SBSD01

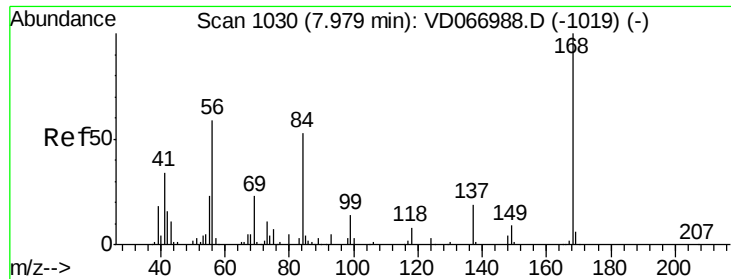
Manual Integrations
APPROVED

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10/9/2020 4:22:30 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	104614	23.064	ug/l	98
94) Hexachlorobutadiene	15.28	225	61543	22.093	ug/l	98
95) Naphthalene	15.41	128	167785	22.177	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	89492	22.728	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion:168 Resp: 354385

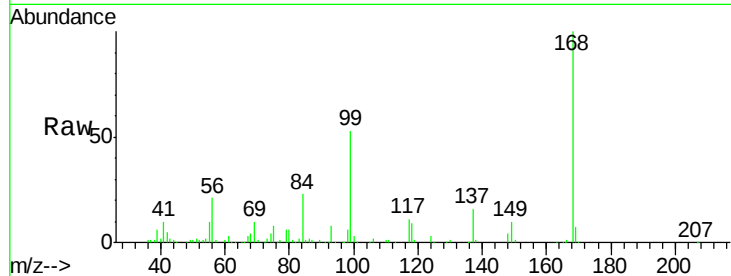
Ion Ratio Lower Upper

168 100

99 53.0 44.1 66.1

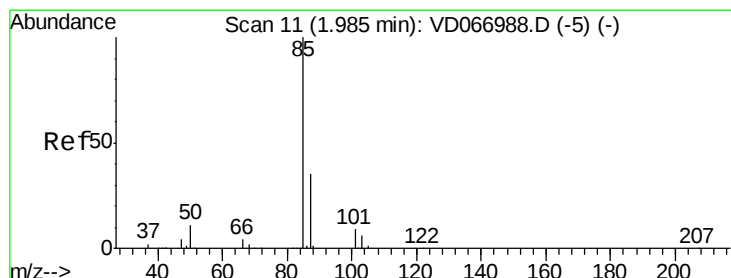
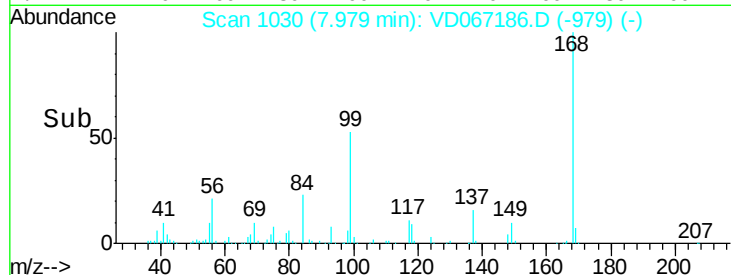
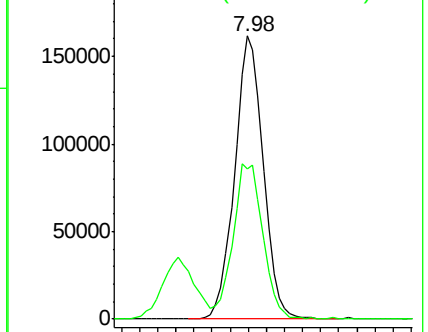
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 25.303 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067186.D

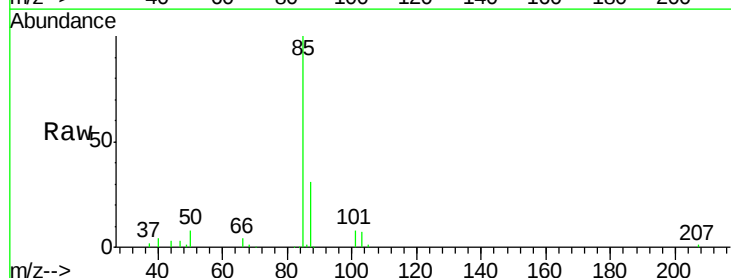
Acq: 08 Oct 2020 11:24

Tgt Ion: 85 Resp: 79173

Ion Ratio Lower Upper

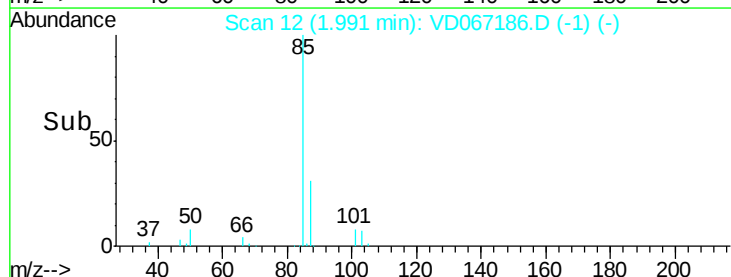
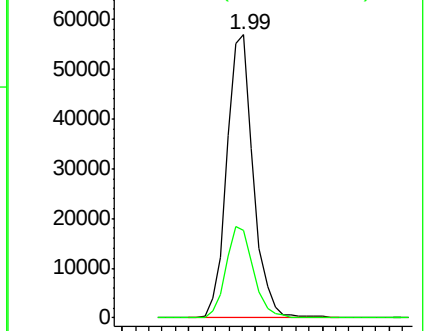
85 100

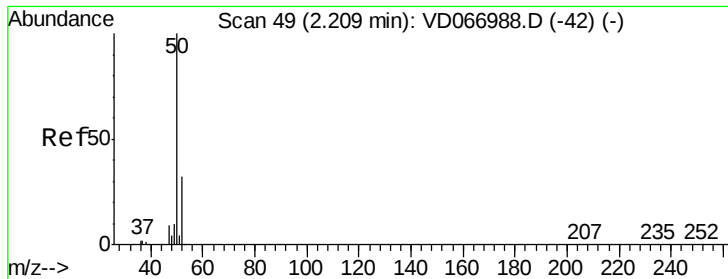
87 31.0 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.736 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion: 50 Resp: 52879

Ion Ratio Lower Upper

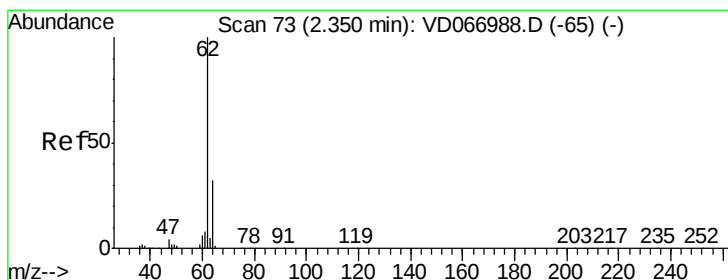
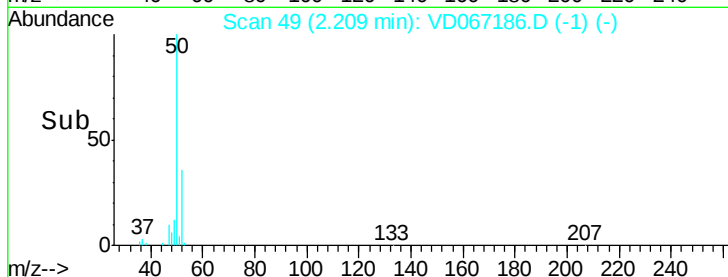
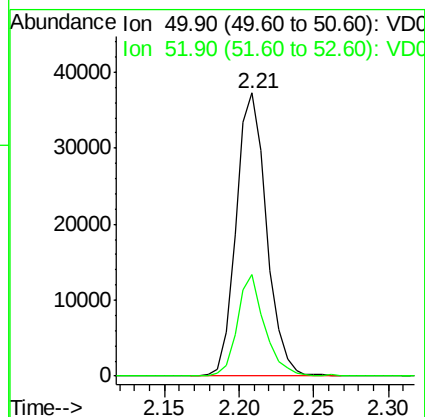
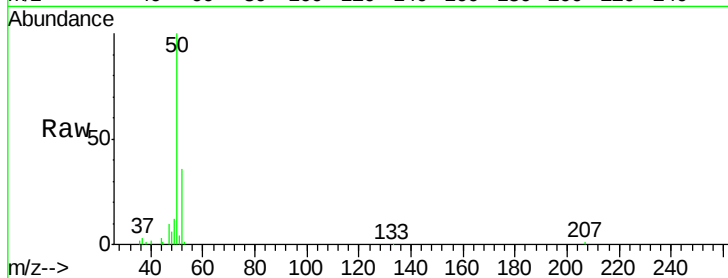
50 100

52 36.1 25.3 37.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.684 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067186.D

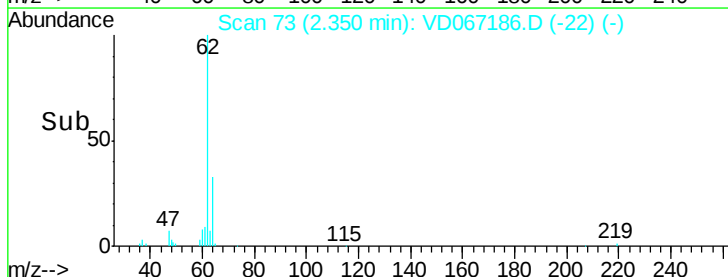
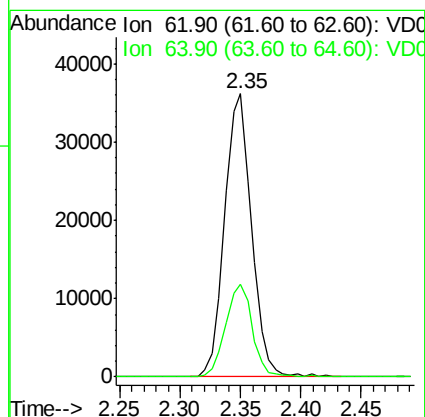
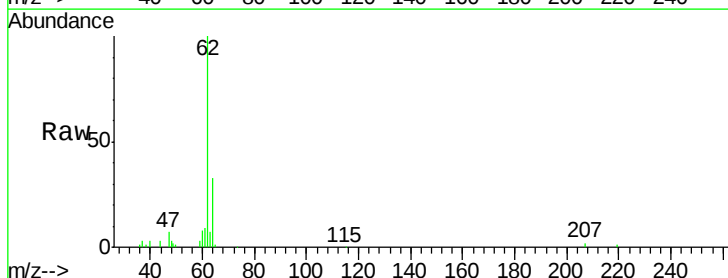
Acq: 08 Oct 2020 11:24

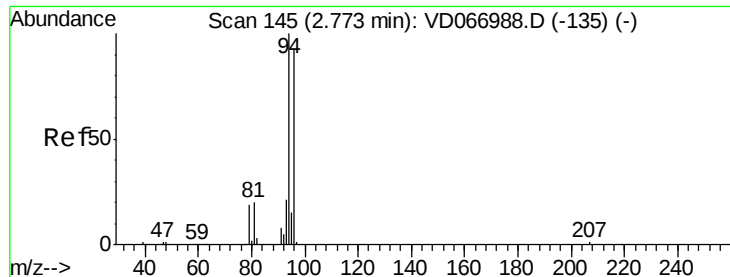
Tgt Ion: 62 Resp: 55704

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 19.880 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion: 94 Resp: 41022

Ion Ratio Lower Upper

94 100

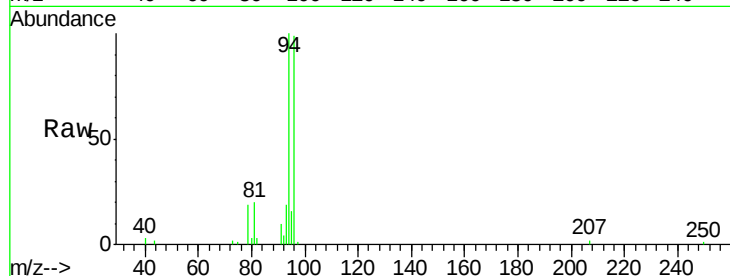
96 99.0 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

20000

15000

10000

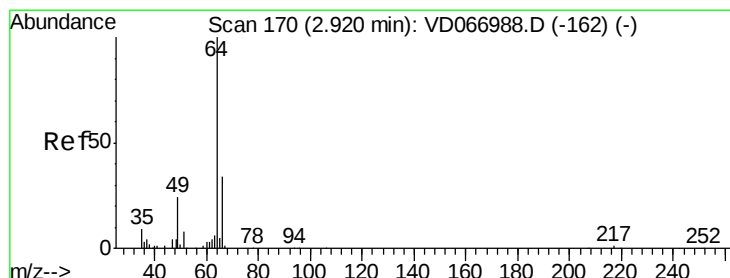
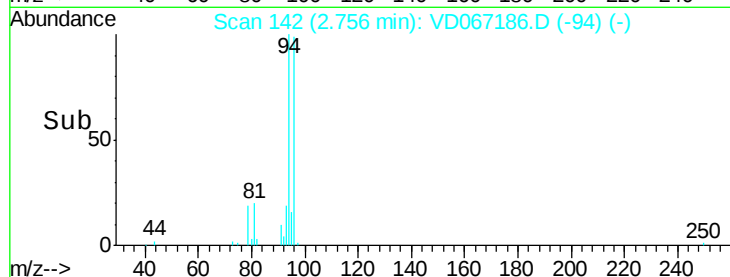
5000

0

Time-->

2.65 2.70 2.75 2.80 2.85

2.76



#6

Chloroethane

Concen: 19.511 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067186.D

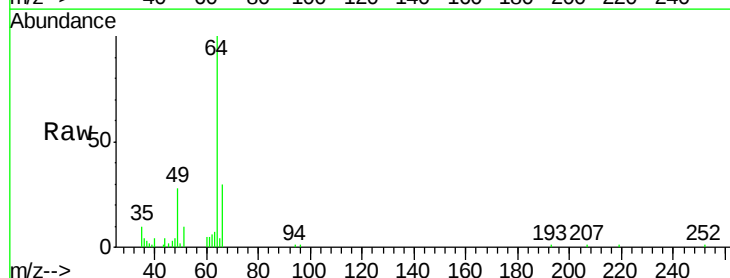
Acq: 08 Oct 2020 11:24

Tgt Ion: 64 Resp: 33624

Ion Ratio Lower Upper

64 100

66 29.6 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

15000

10000

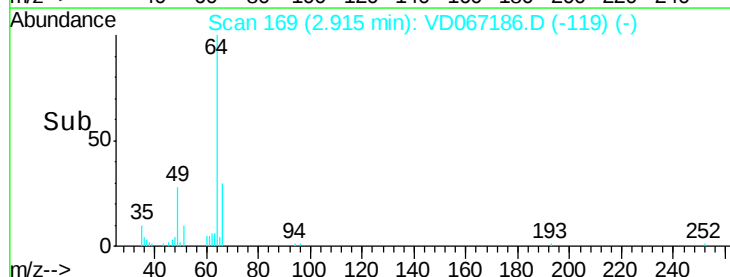
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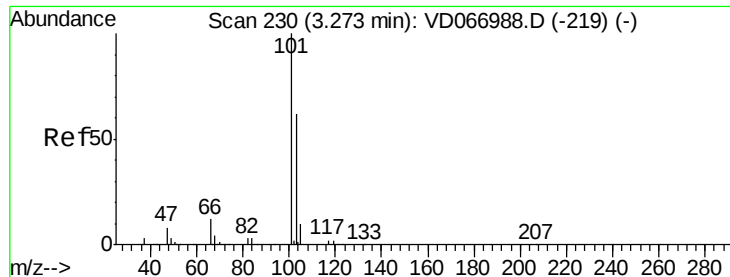
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Time-->

2.85 2.90 2.95 3.00

2.91





#7

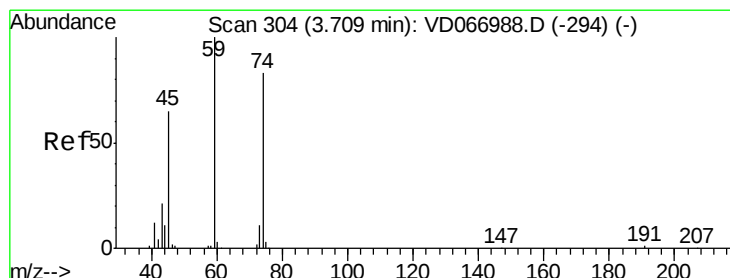
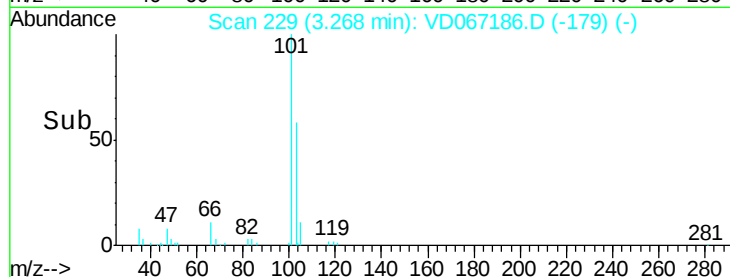
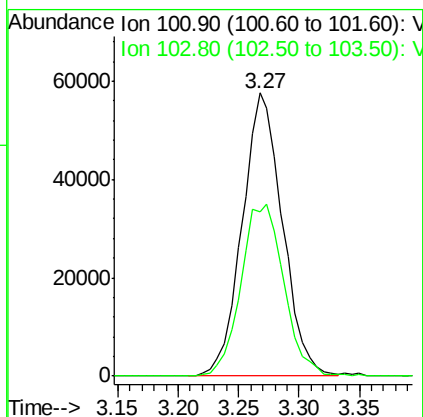
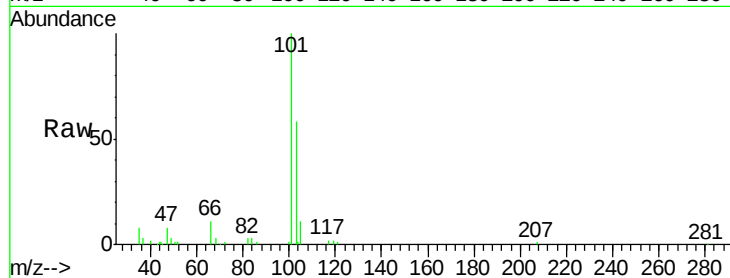
Trichlorofluoromethane
 Concen: 21.317 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067186.D
 Acq: 08 Oct 2020 11:24

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 VD1008SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.9	49.8	74.8

Manual Integrations
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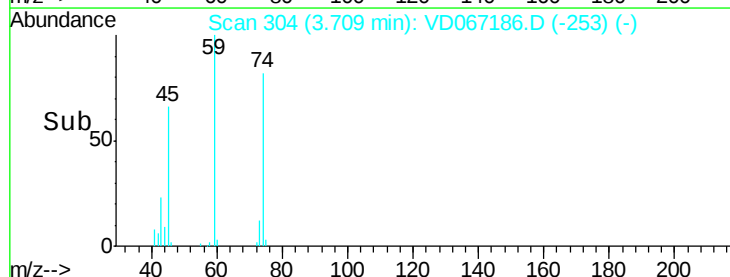
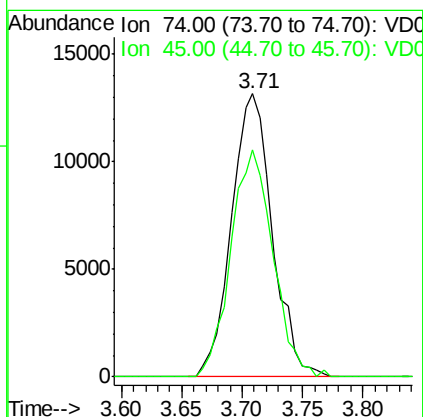
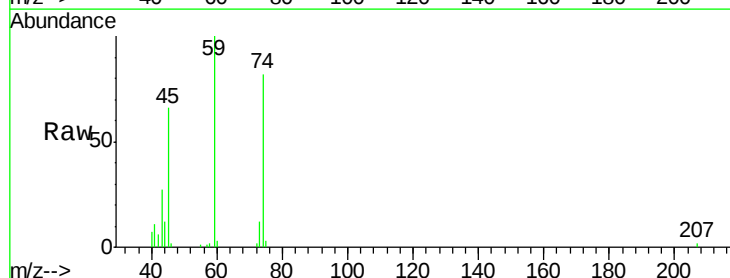
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 10/9/2020 4:22:30 PM

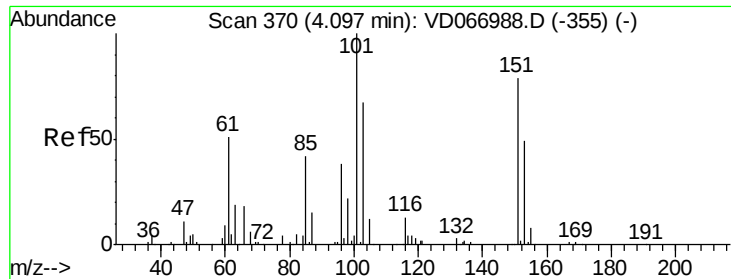


#8

Diethyl Ether
 Concen: 19.883 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067186.D
 Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.9	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.716 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

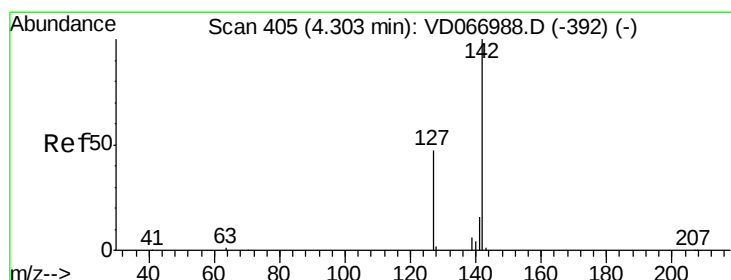
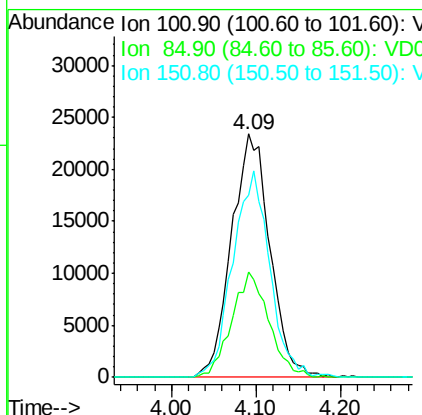
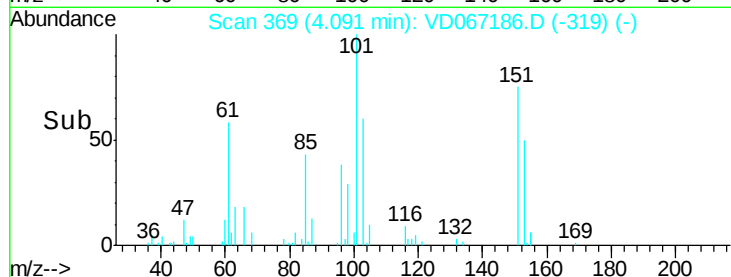
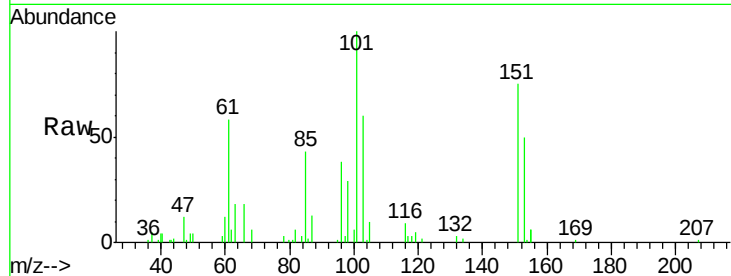
ClientSampleId :

VD1008SBS01

Tot Ion:	101	Resp:	73618
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.8	50.8
151	82.0	63.8	95.8

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#10

Methyl Iodide

Concen: 17.950 ug/l

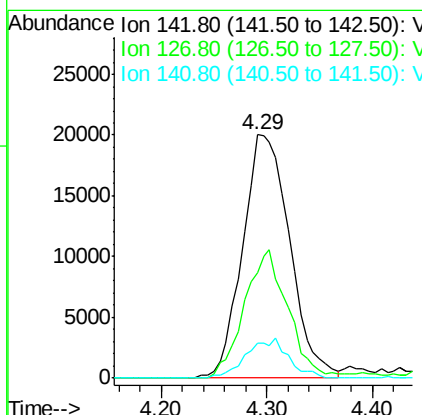
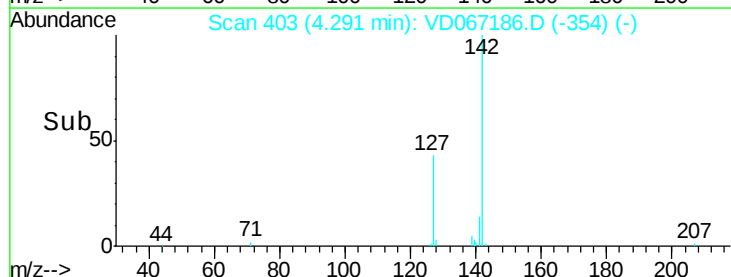
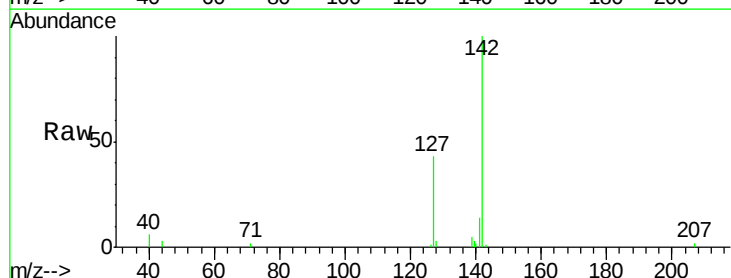
RT: 4.29 min Scan# 403

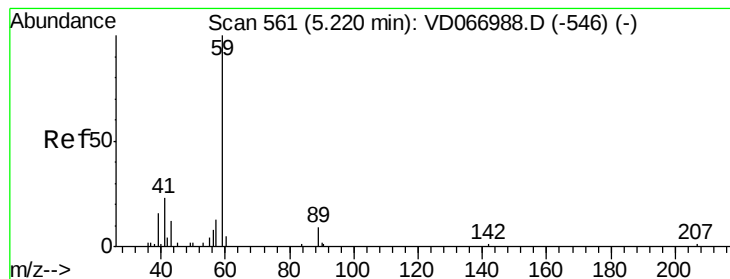
Delta R.T. -0.01 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Tgt Ion:	142	Resp:	61981
Ion Ratio	Lower	Upper	
142	100		
127	49.1	36.3	54.5
141	14.6	12.0	18.0





#11

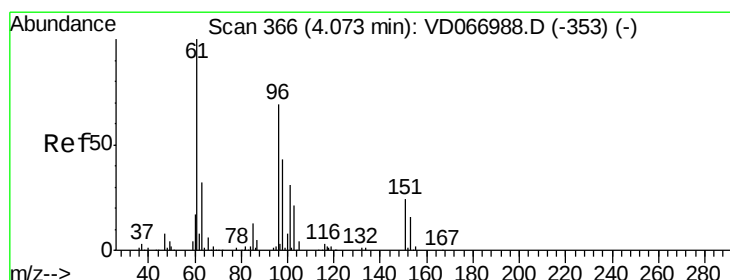
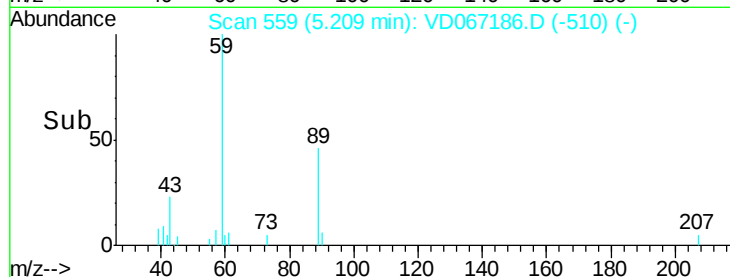
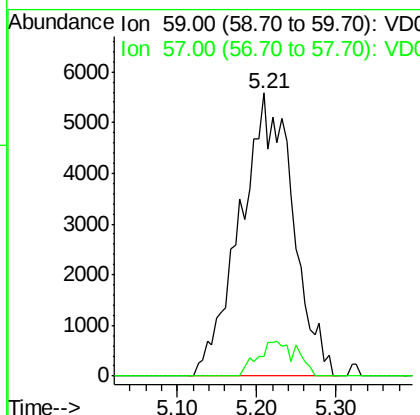
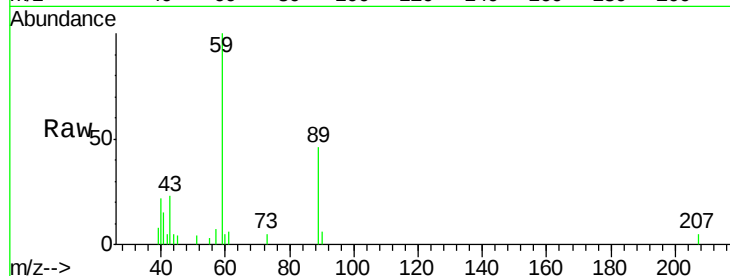
Tert butyl alcohol
Concen: 99.616 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	25775		
57	57	7.0		8.2	12.4#

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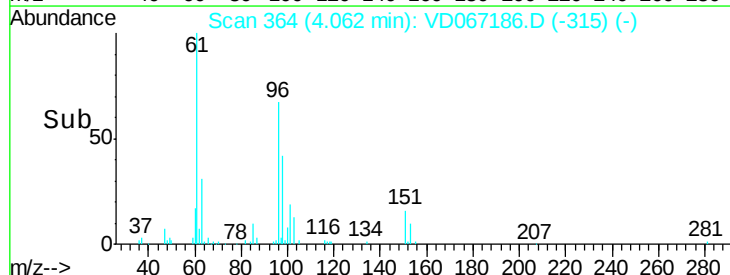
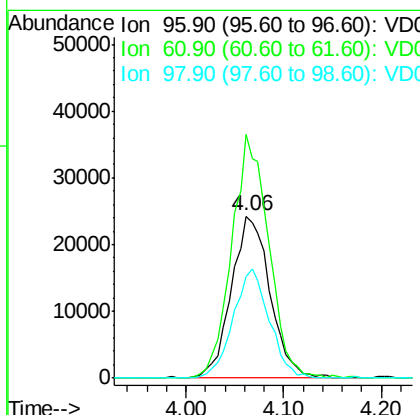
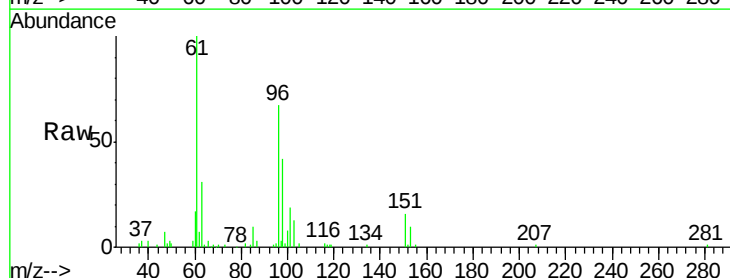
MMDadoda
10/9/2020 4:22:30 PM

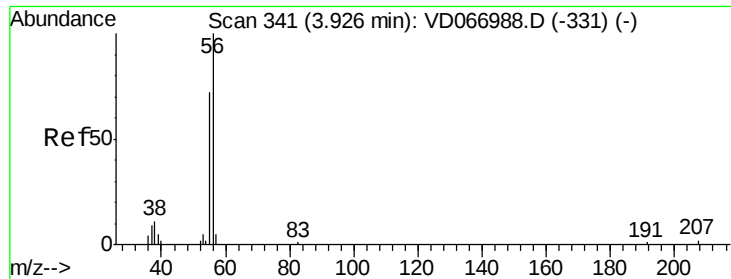


#12

1,1-Dichloroethene
Concen: 19.982 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	66755		
61	61	150.0		116.4	174.6
98	98	62.3		49.9	74.9





#13

Acrolein

Concen: 78.994 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion: 56 Resp: 18055

Ion Ratio Lower Upper

56 100

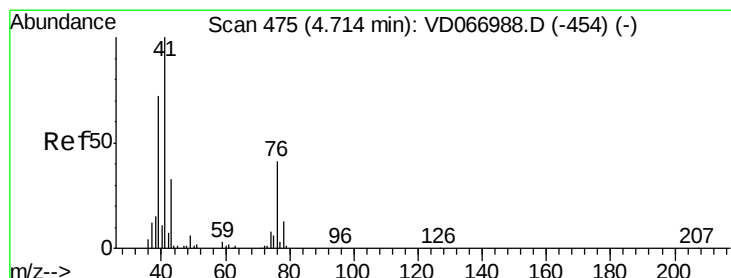
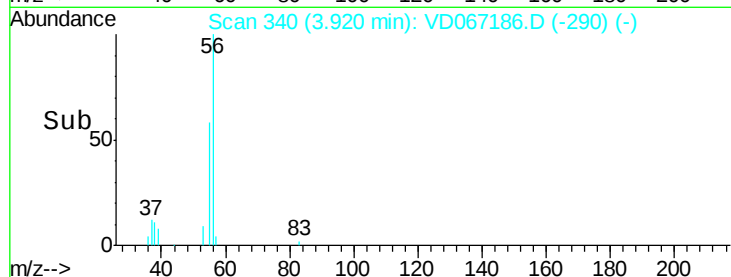
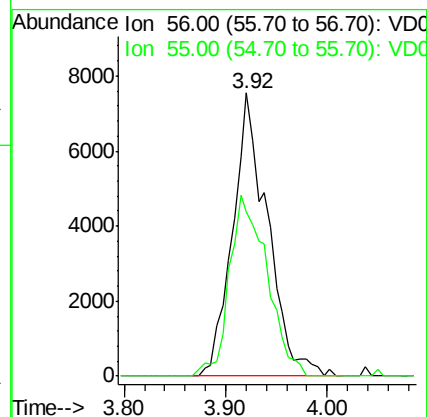
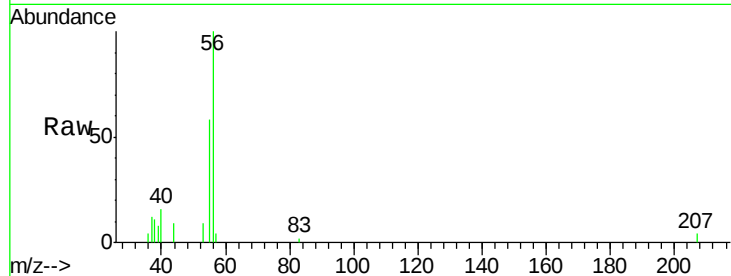
55 68.9 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 17.964 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

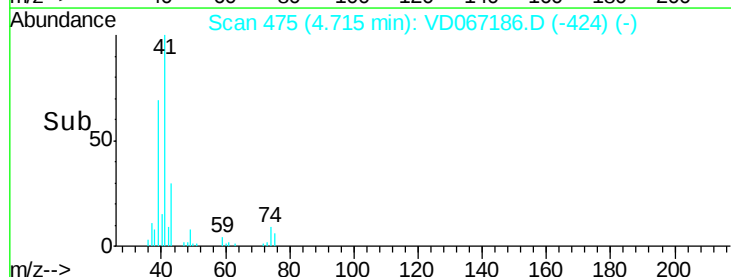
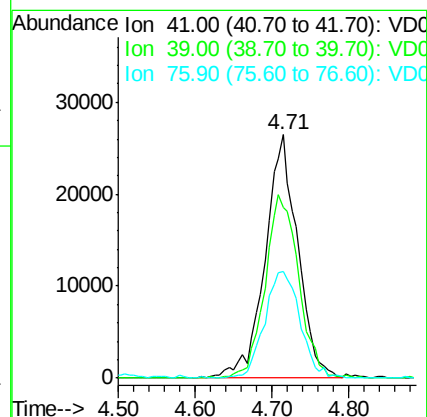
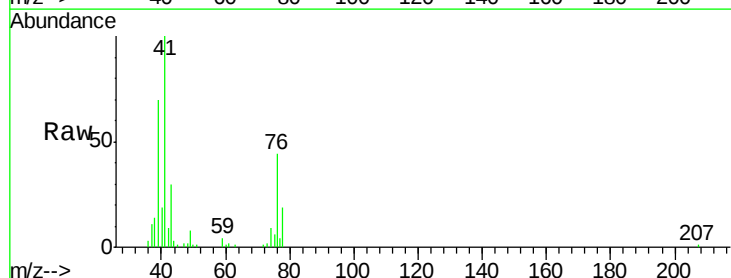
Tgt Ion: 41 Resp: 77961

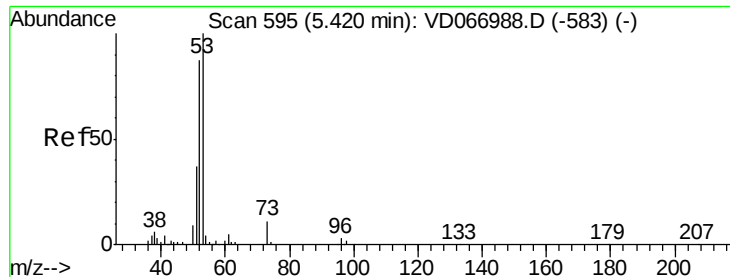
Ion Ratio Lower Upper

41 100

39 77.8 56.2 84.2

76 47.8 34.2 51.2





#15

Acrylonitrile

Concen: 99.615 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

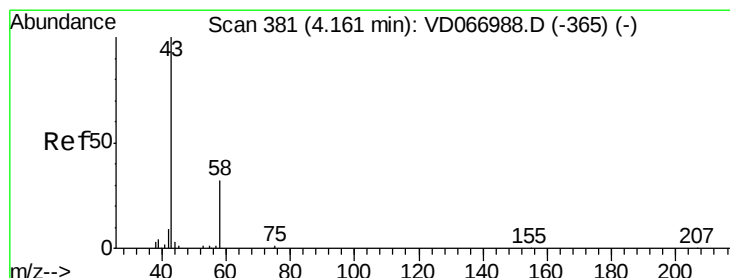
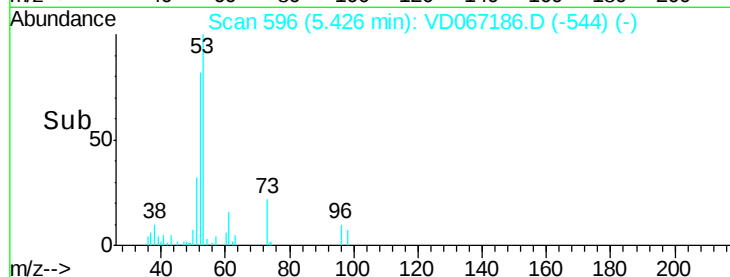
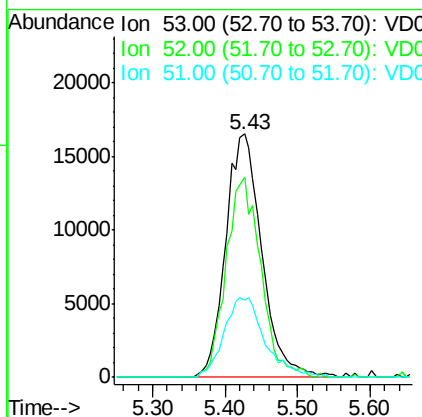
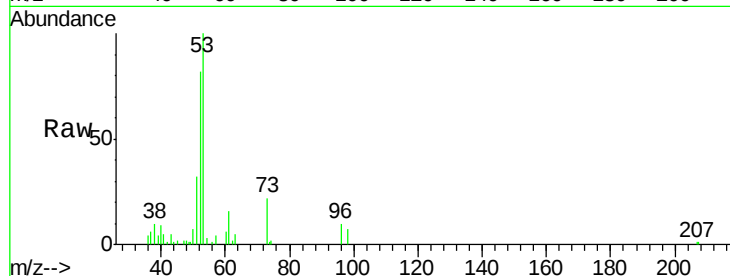
ClientSampleId :

VD1008SBS01

Tot Ion:	53	Resp:	57161
Ion Ratio	Lower	Upper	
53	100		
52	78.7	67.3	100.9
51	36.9	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 101.852 ug/l

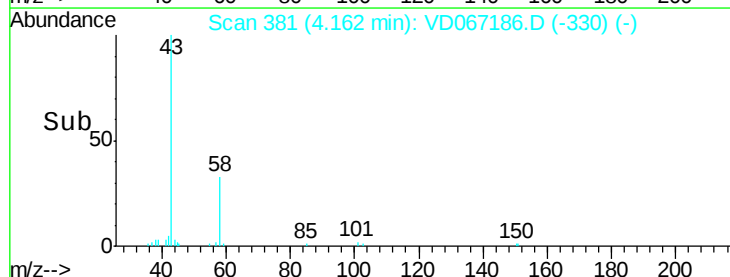
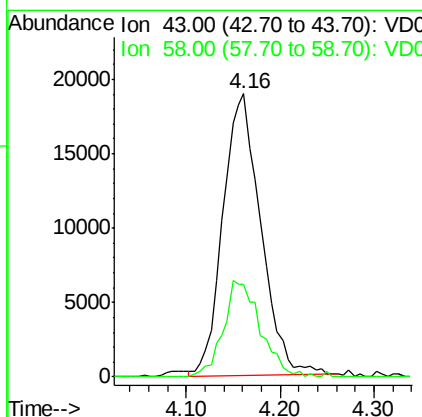
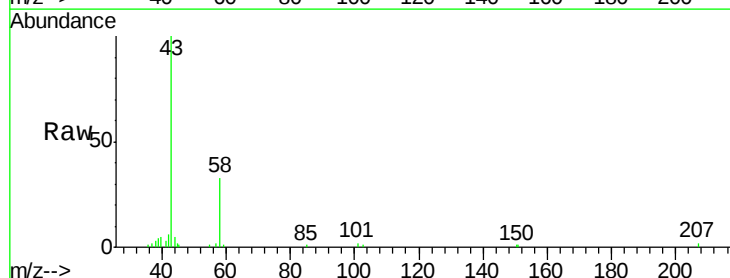
RT: 4.16 min Scan# 381

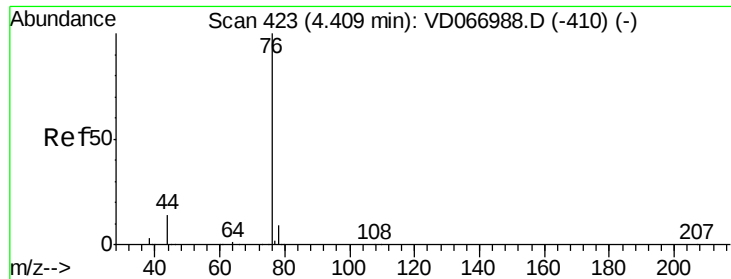
Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Tgt Ion:	43	Resp:	53071
Ion Ratio	Lower	Upper	
43	100		
58	33.0	25.9	38.9





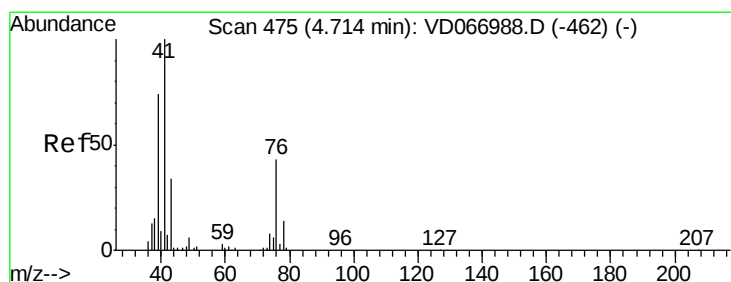
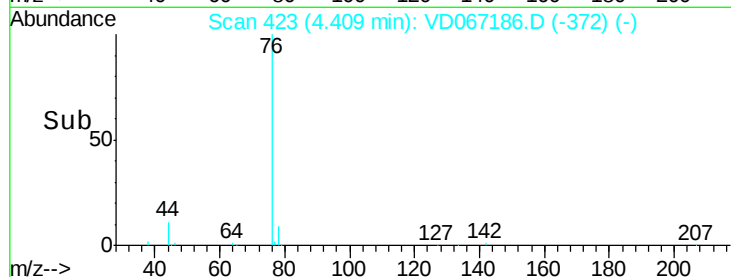
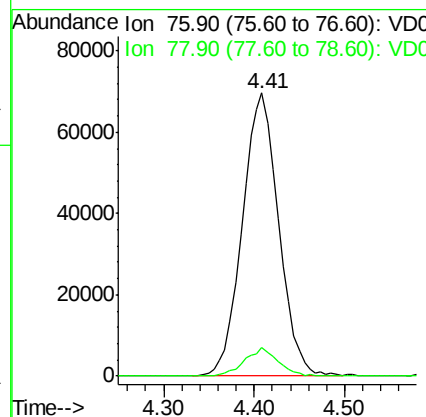
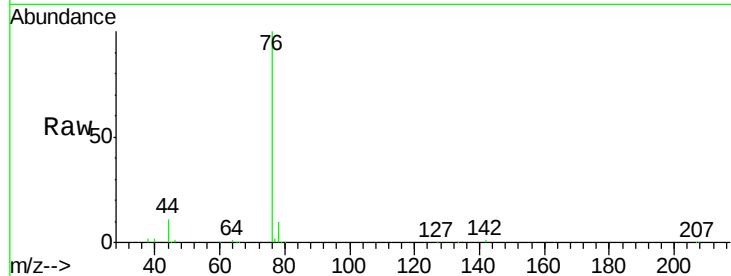
#17
Carbon Disulfide
Concen: 18.889 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.5	11.3

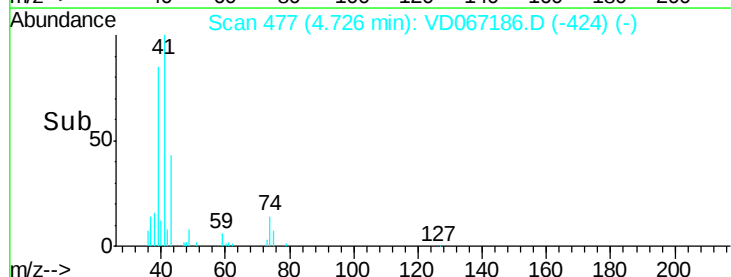
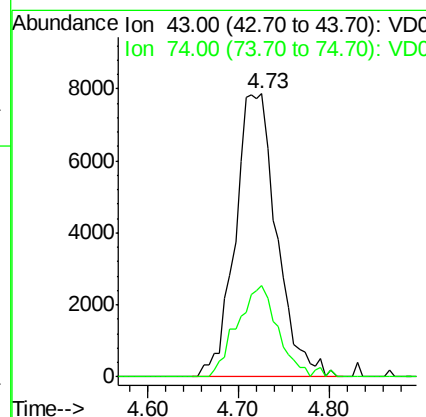
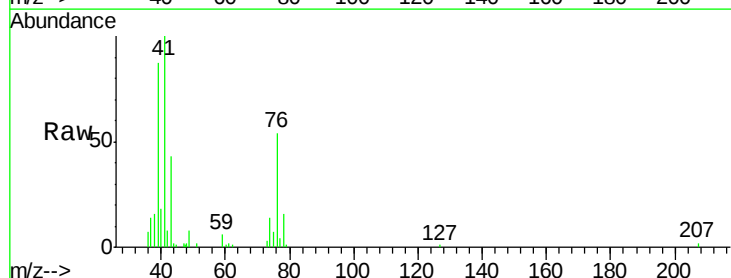
Manual Integrations
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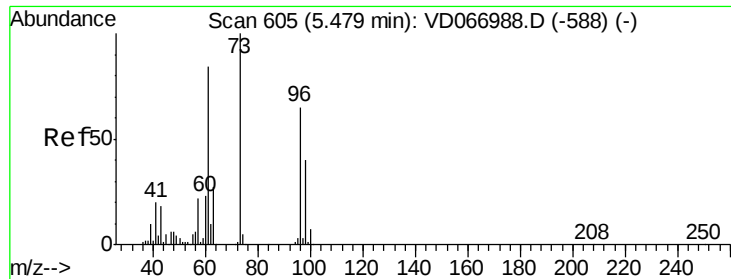
MMDadoda
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#18
Methyl Acetate
Concen: 19.093 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.3	21.5	32.3





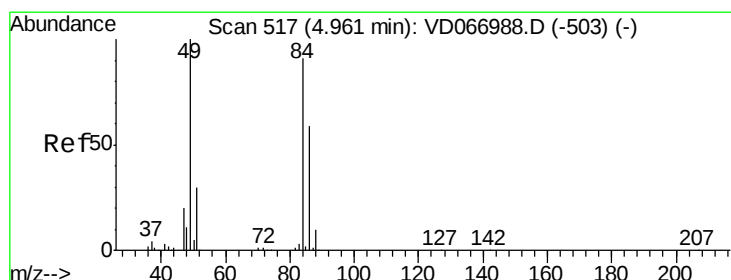
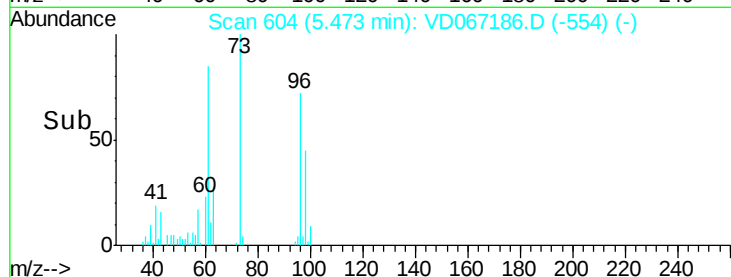
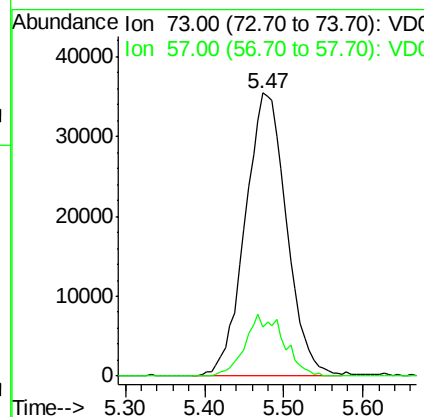
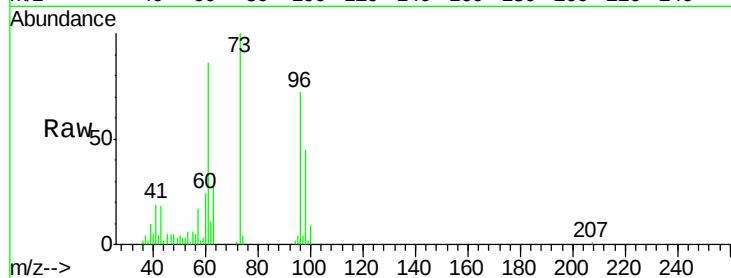
#19
Methyl tert-butyl Ether
Concen: 21.134 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion: 73 Resp: 128885
Ion Ratio Lower Upper
73 100
57 17.3 17.4 26.0#

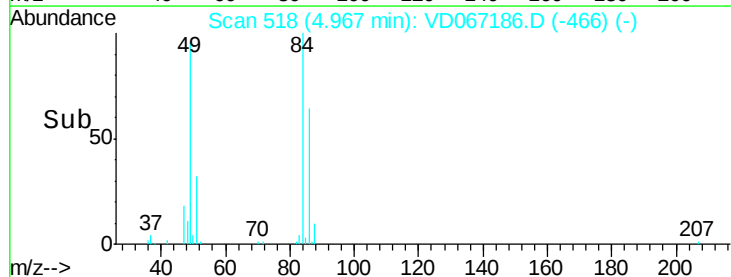
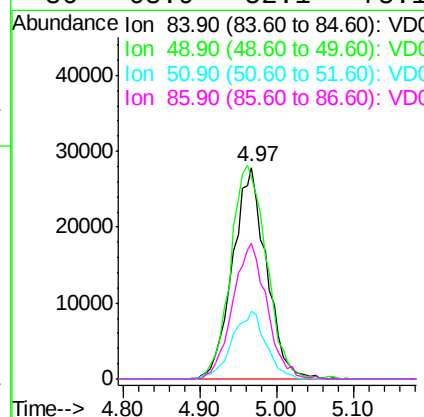
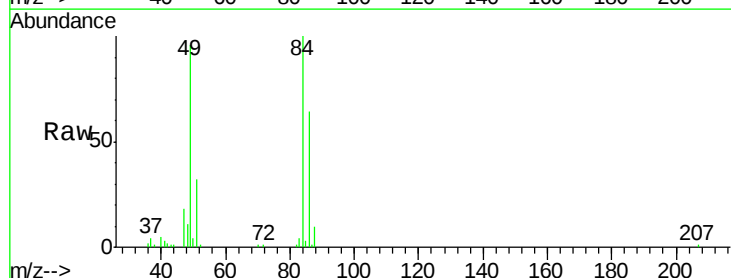
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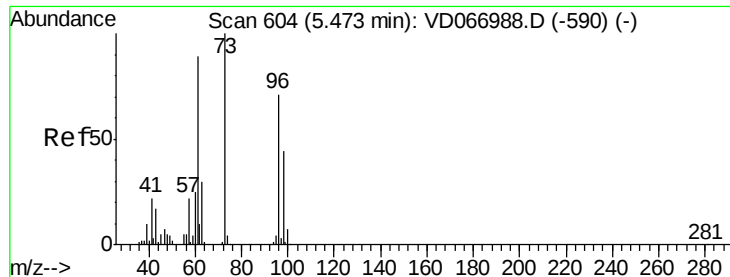
MMDadoda
10/9/2020 4:22:30 PM



#20
Methylene Chloride
Concen: 18.503 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion: 84 Resp: 85361
Ion Ratio Lower Upper
84 100
49 95.6 88.2 132.2
51 32.1 26.6 39.8
86 63.9 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.964 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

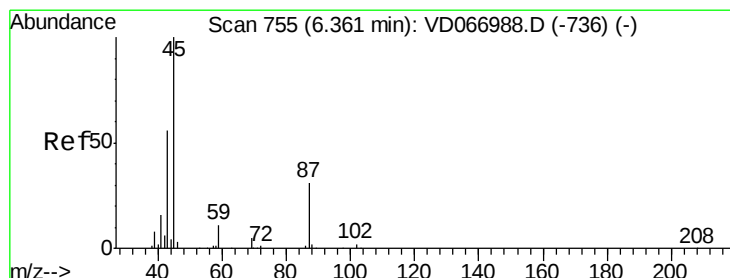
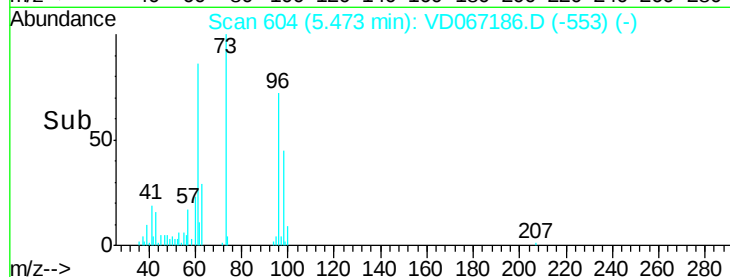
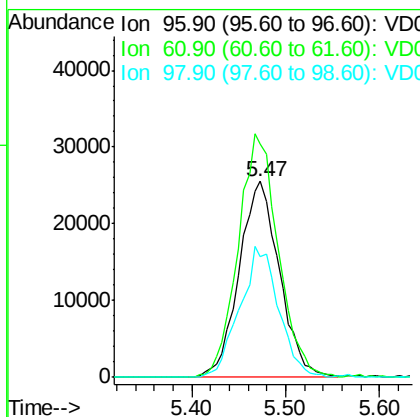
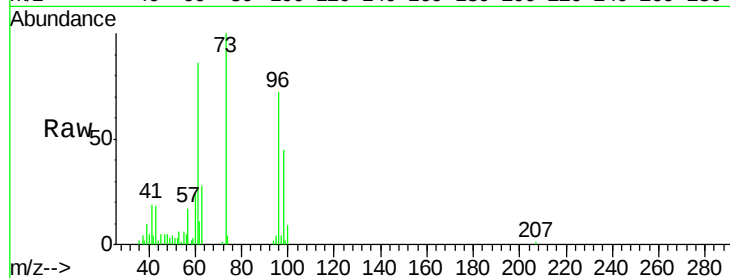
ClientSampleId :

VD1008SBS01

Tot Ion:	96	Resp:	75901
Ion	Ratio	Lower	Upper
96	100		
61	119.5	99.6	149.4
98	61.9	49.4	74.2

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#22

Diisopropyl ether

Concen: 19.069 ug/l

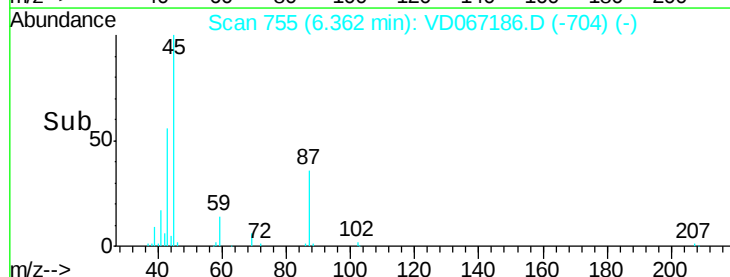
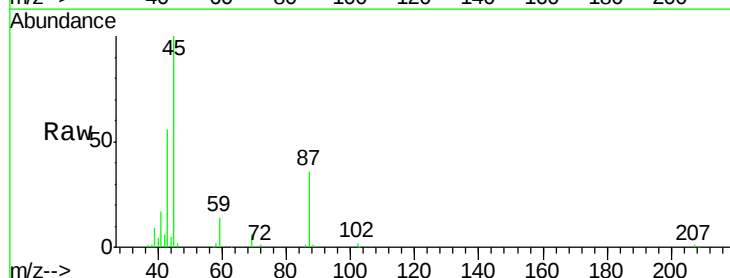
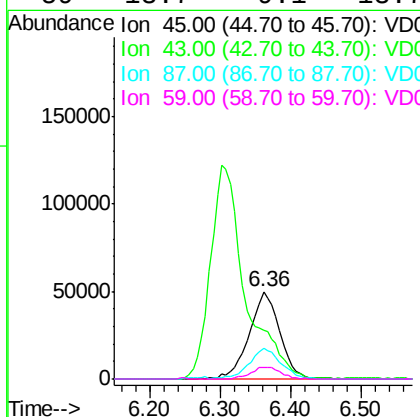
RT: 6.36 min Scan# 755

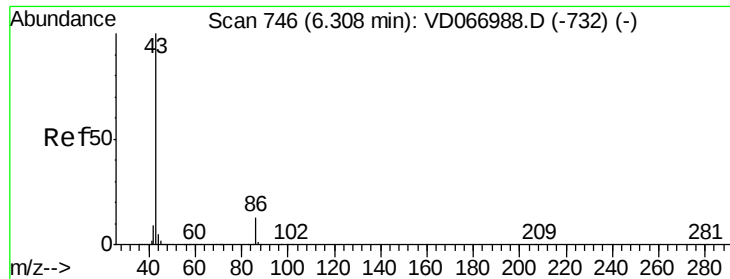
Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Tgt Ion:	45	Resp:	151088
Ion	Ratio	Lower	Upper
45	100		
43	54.9	45.2	67.8
87	35.7	25.6	38.4
59	13.7	9.1	13.7#





#23

Vinyl Acetate

Concen: 93.304 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion: 43 Resp: 418908

Ion Ratio Lower Upper

43 100

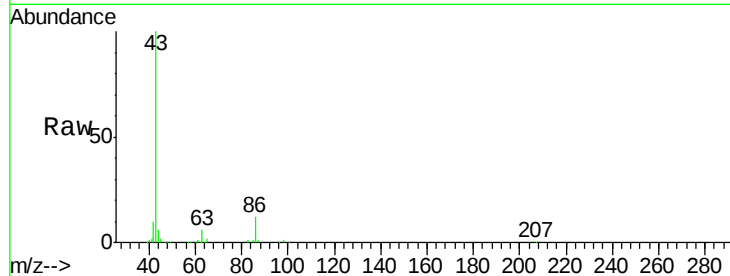
86 12.4 10.2 15.2

Manual Integrations

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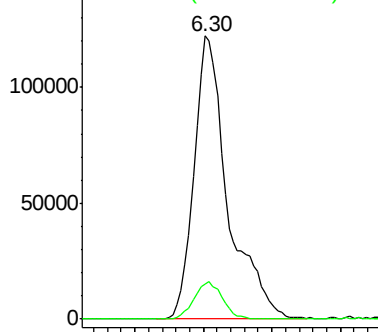
MMDadoda

10/9/2020 4:22:30 PM

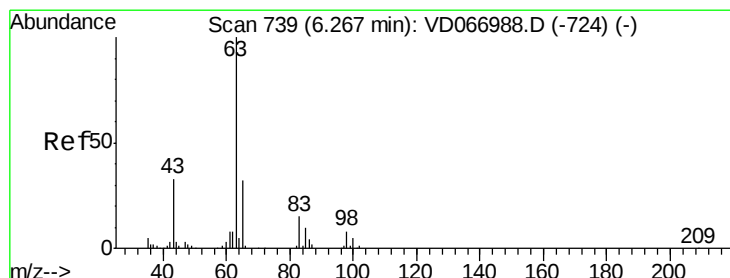
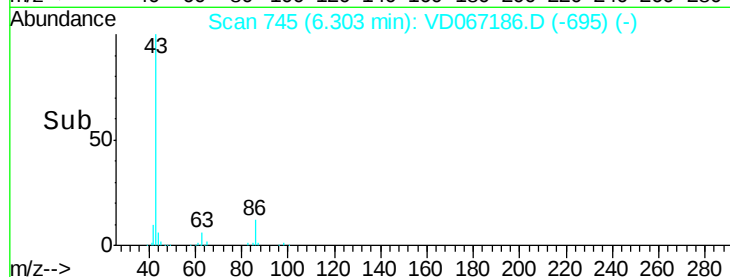


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 19.591 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

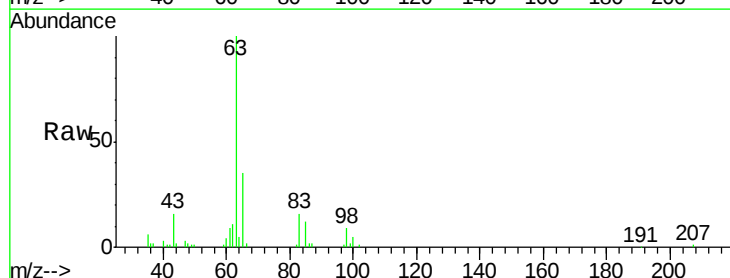
Tgt Ion: 63 Resp: 119788

Ion Ratio Lower Upper

63 100

98 8.7 4.2 12.6

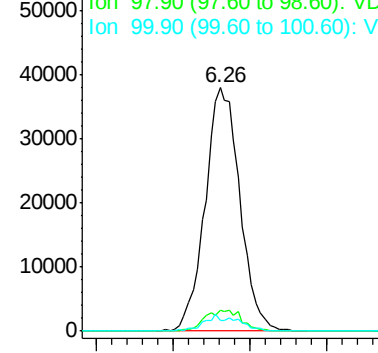
100 4.5 2.6 7.8



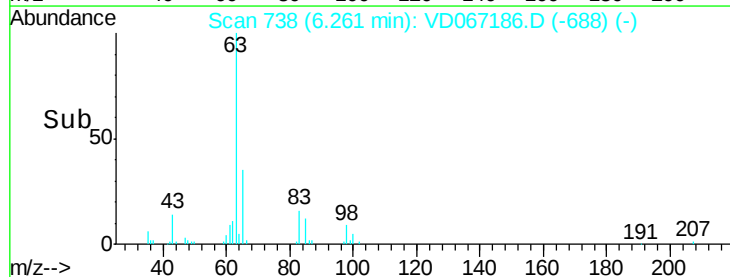
Abundance Ion 62.90 (62.60 to 63.60): VDC

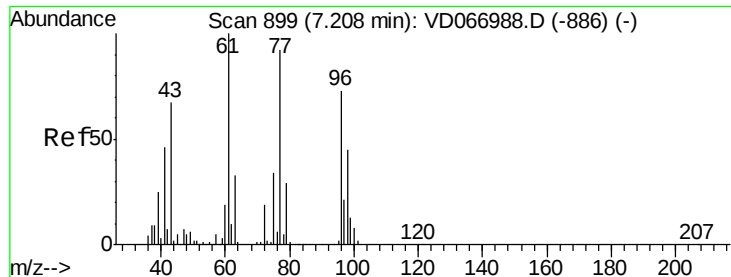
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





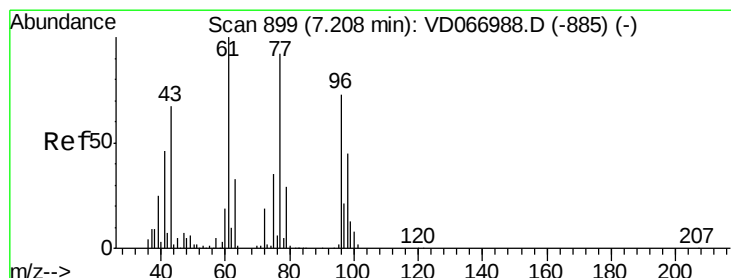
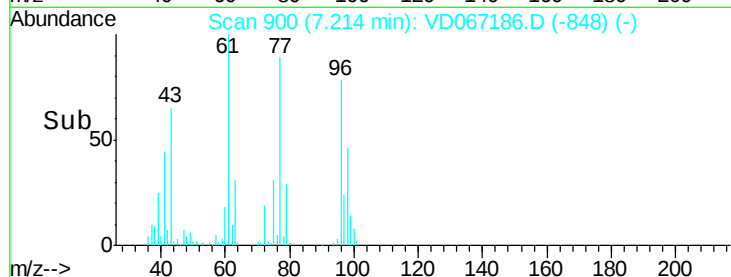
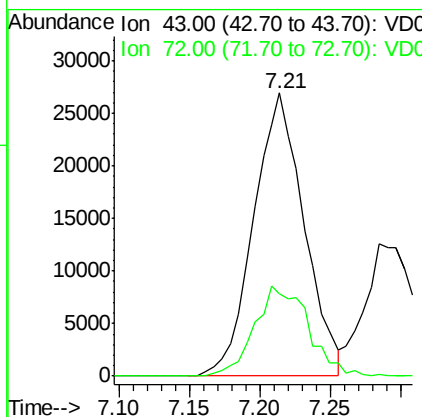
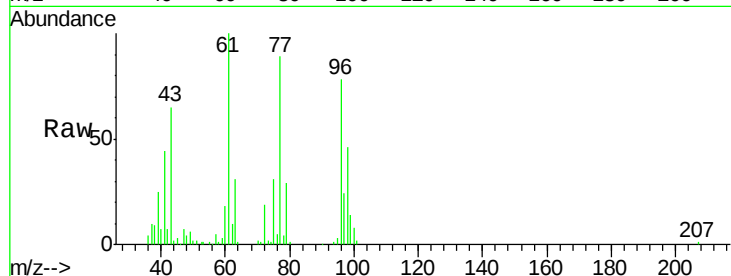
#25
2-Butanone
Concen: 91.140 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion: 43 Resp: 67329
Ion Ratio Lower Upper
43 100
72 29.0 22.8 34.2

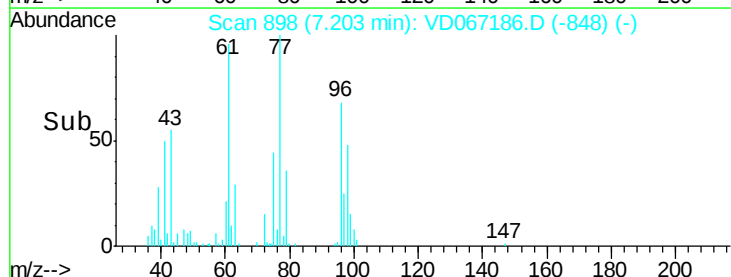
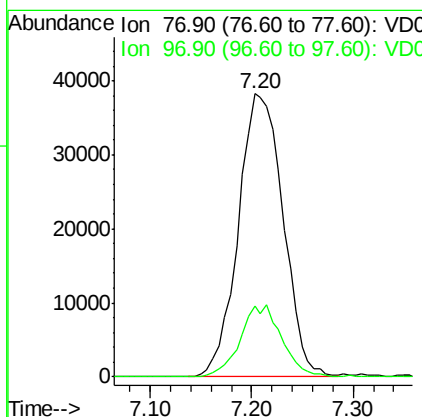
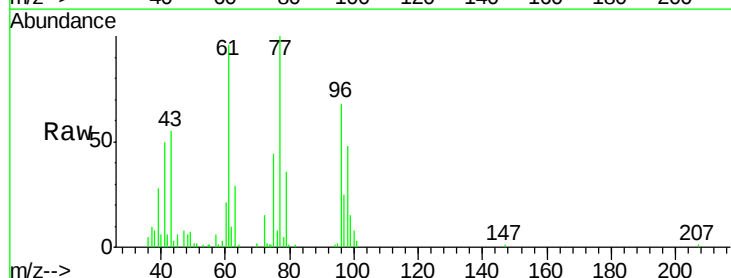
Manual Integrations
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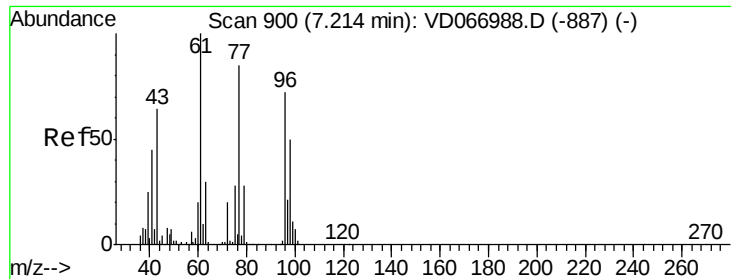
MMDadoda
10/9/2020 4:22:30 PM



#26
2,2-Dichloropropane
Concen: 19.920 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion: 77 Resp: 117130
Ion Ratio Lower Upper
77 100
97 23.5 11.4 34.2





#27

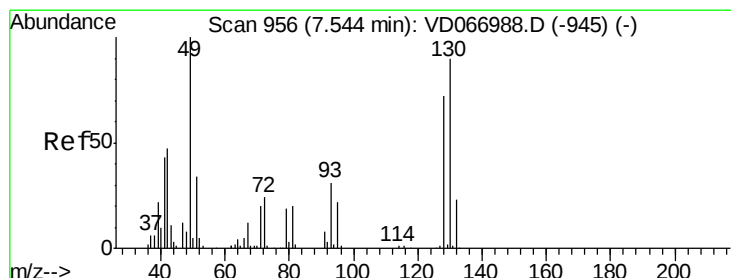
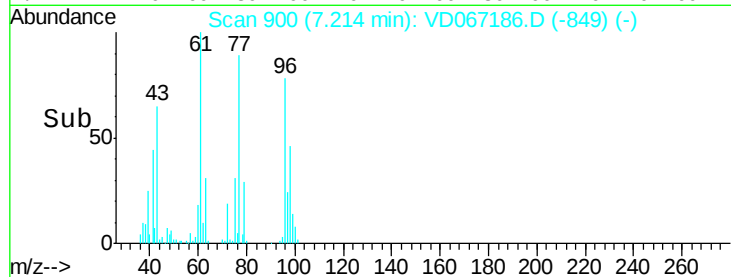
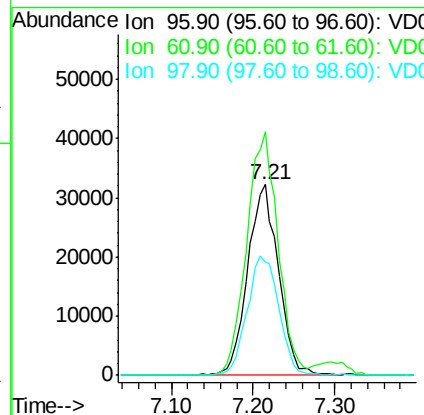
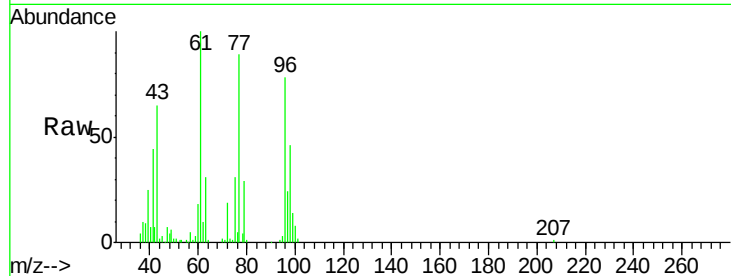
cis-1,2-Dichloroethene
Concen: 20.883 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	269.2
98	64.0	0.0	129.4

Manual Integrations
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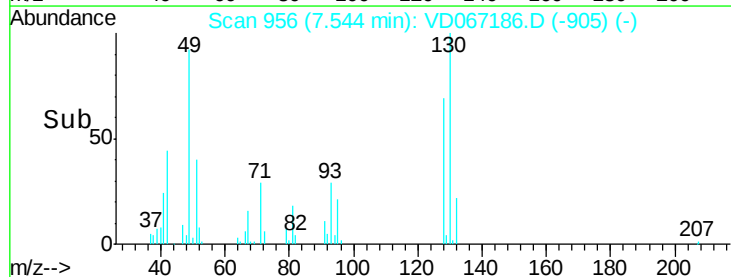
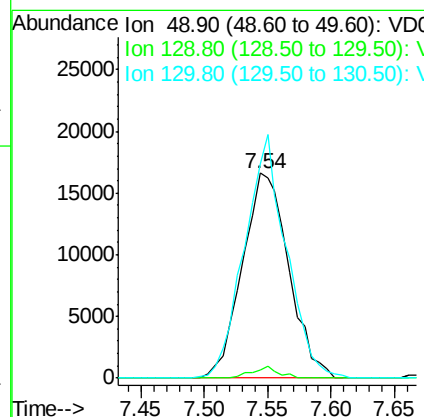
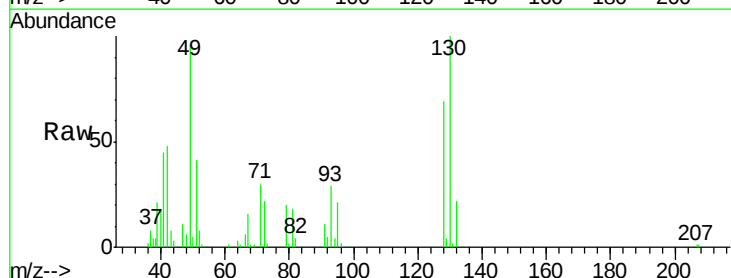
MMDadoda
10/9/2020 4:22:30 PM

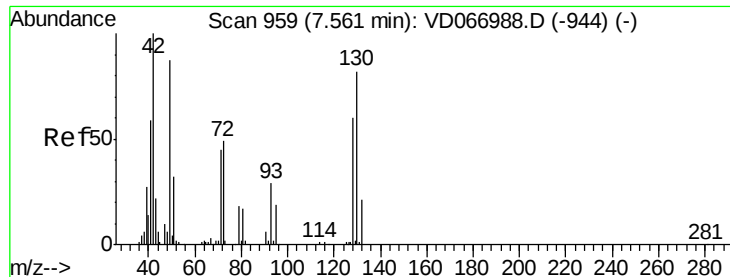


#28

Bromochloromethane
Concen: 17.898 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	4.6
130	107.2	74.1	111.1





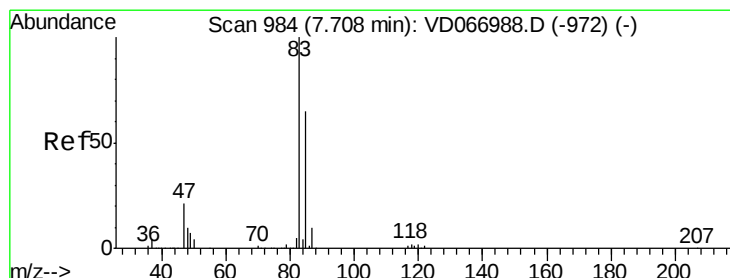
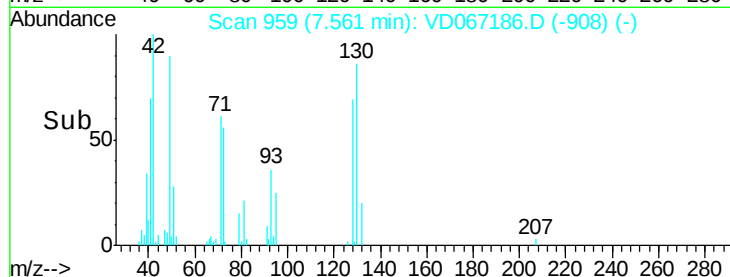
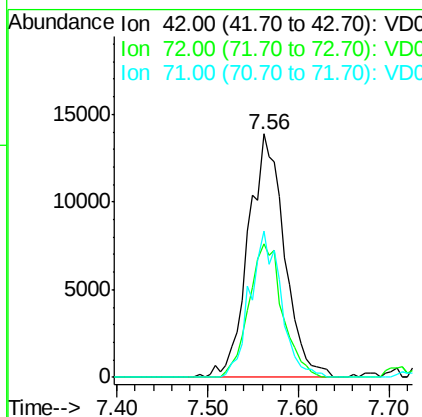
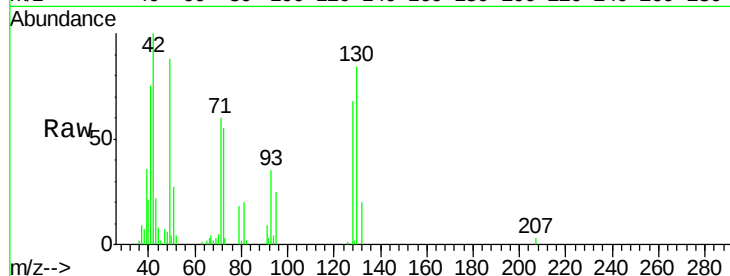
#29
Tetrahydrofuran
Concen: 90.934 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.0	39.1	58.7
71	51.2	34.2	51.4

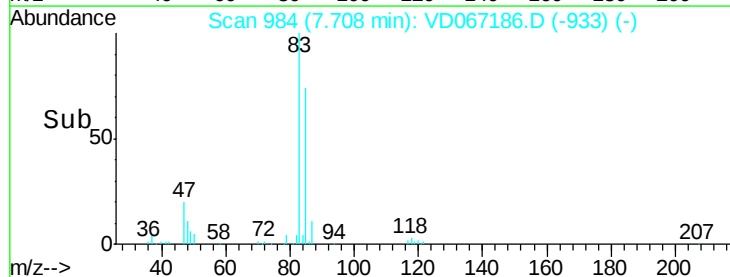
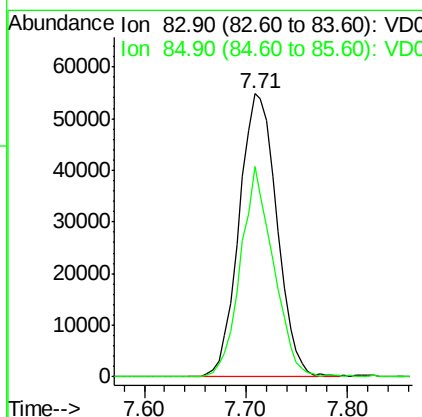
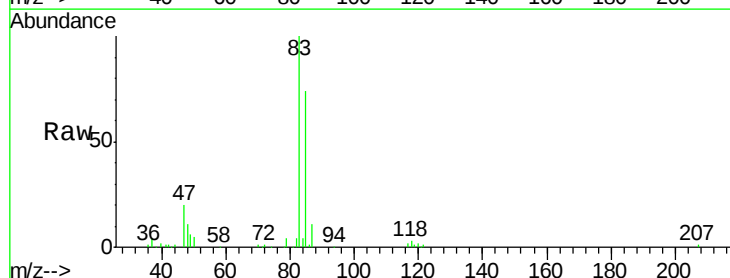
Manual Integrations
APPROVED

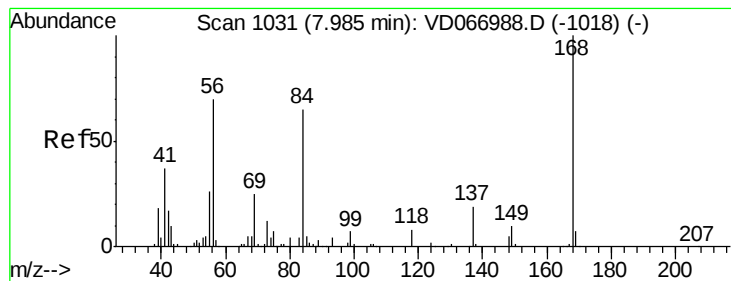
MMDadoda
10/9/2020 4:22:30 PM



#30
Chloroform
Concen: 21.371 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	74.4	52.3	78.5





#31

Cyclohexane

Concen: 17.859 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

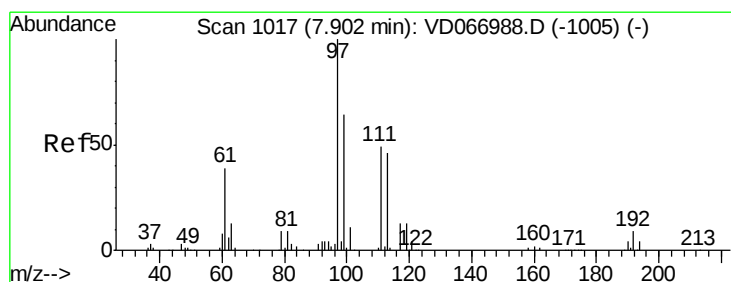
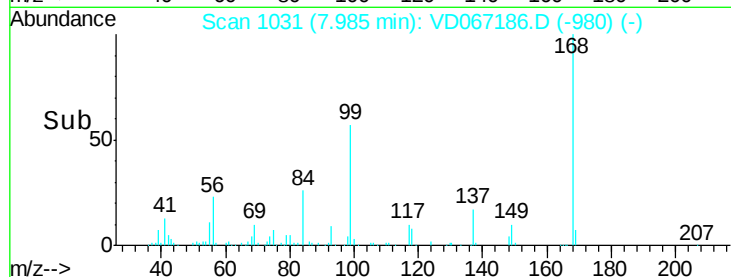
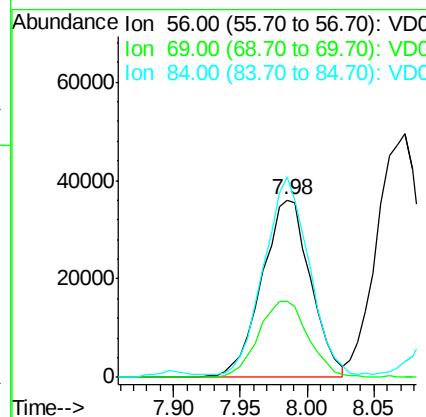
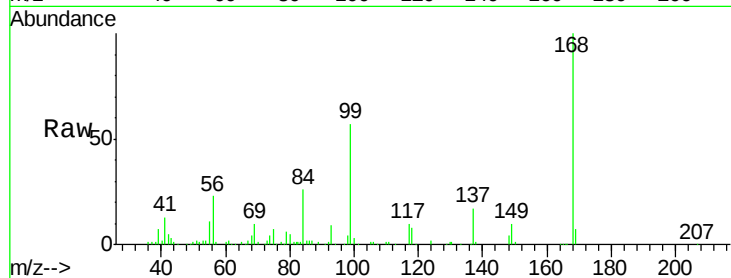
ClientSampleId :

VD1008SBS01

Tot Ion:	56	Resp:	91550
Ion Ratio	Lower	Upper	
56	100		
69	42.8	29.0	43.6
84	111.0	74.2	111.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.752 ug/l

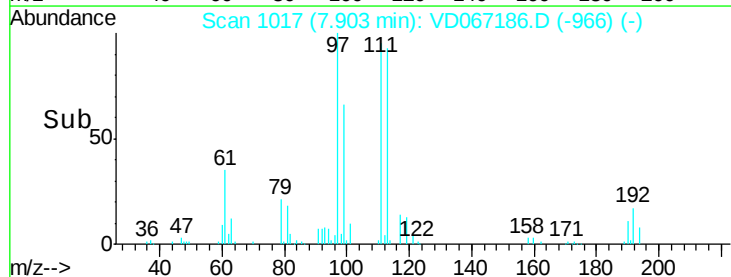
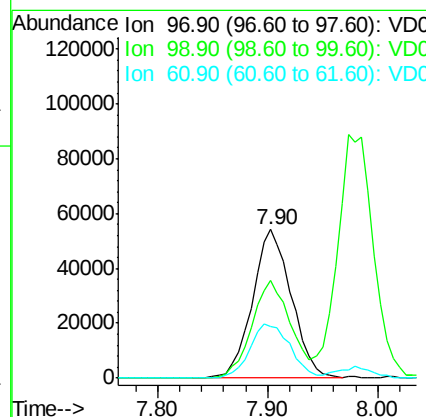
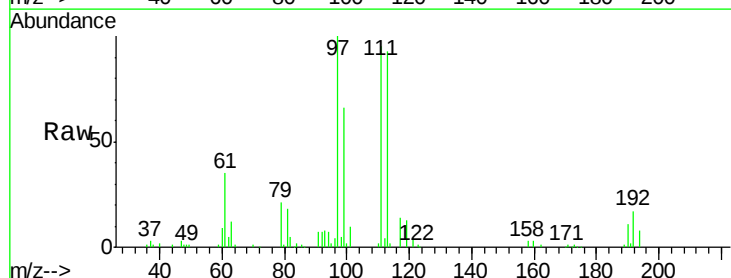
RT: 7.90 min Scan# 1017

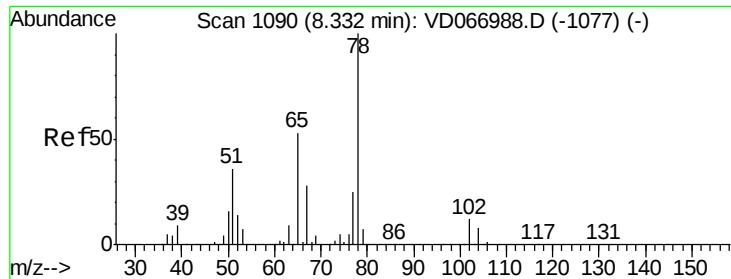
Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Tgt Ion:	97	Resp:	133716
Ion Ratio	Lower	Upper	
97	100		
99	65.3	52.6	78.8
61	37.9	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 51.671 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion: 65 Resp: 176375

Ion Ratio Lower Upper

65 100

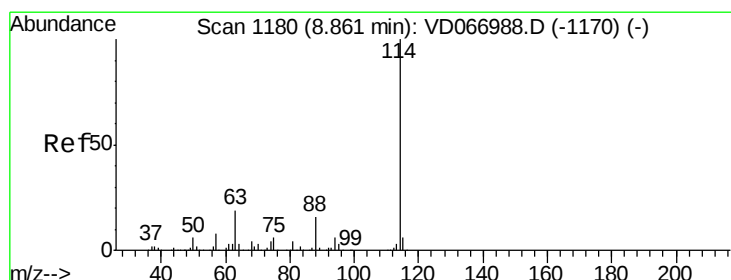
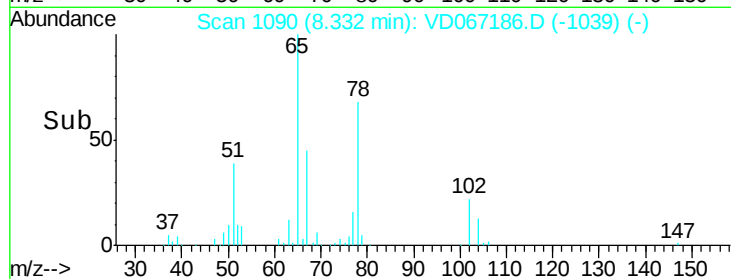
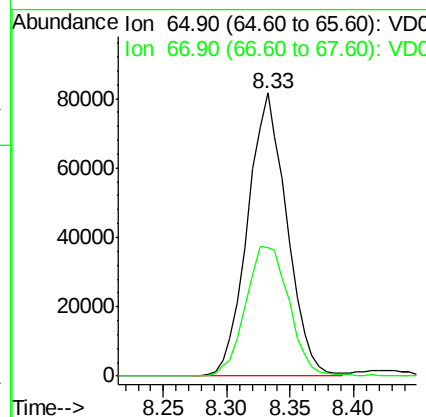
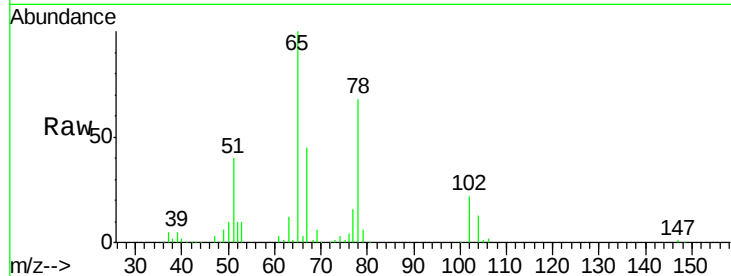
67 50.7 0.0 106.8

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10/9/2020 4:22:30 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

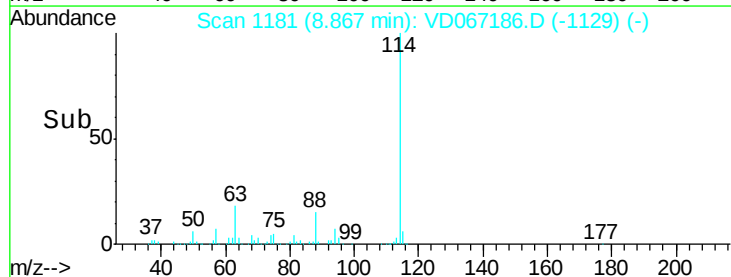
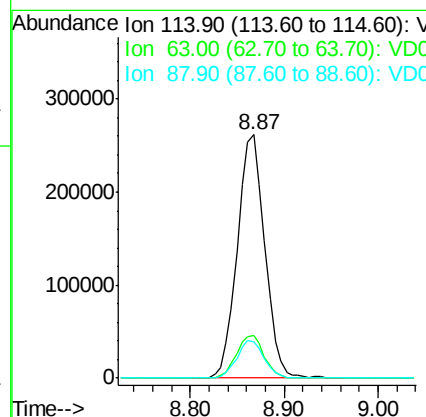
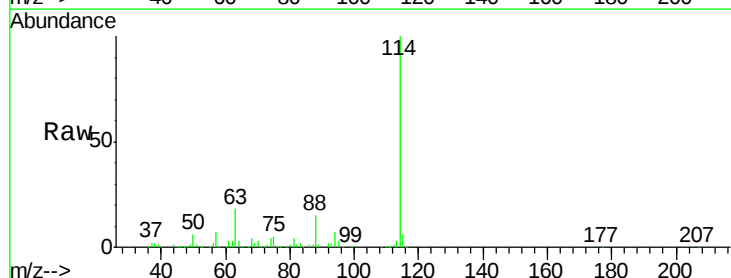
Tgt Ion: 114 Resp: 531149

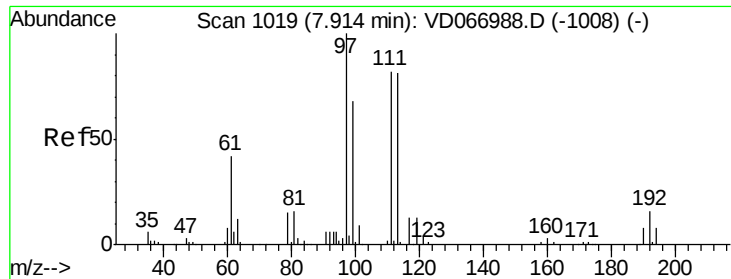
Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.4

88 15.1 0.0 31.2





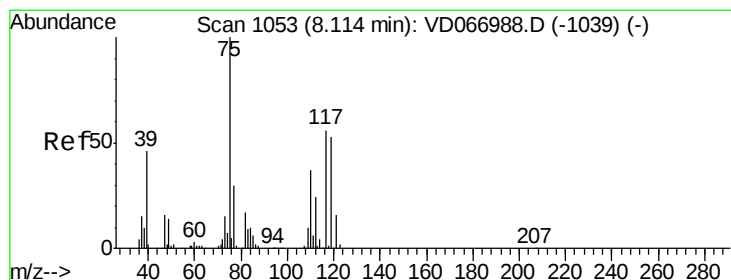
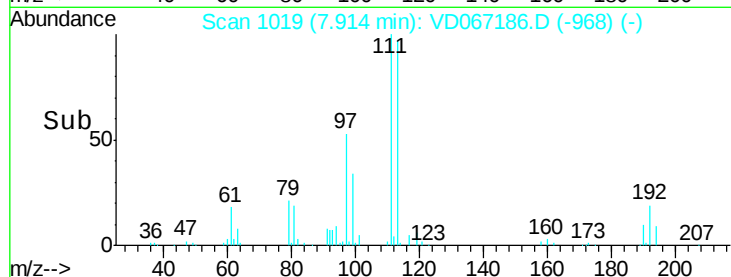
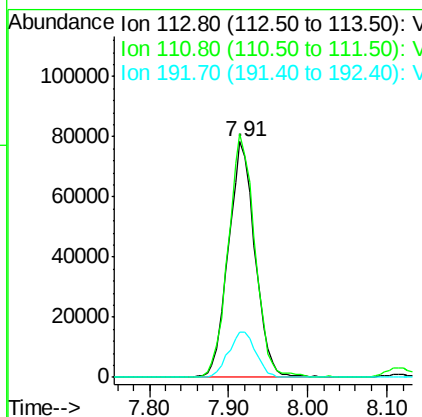
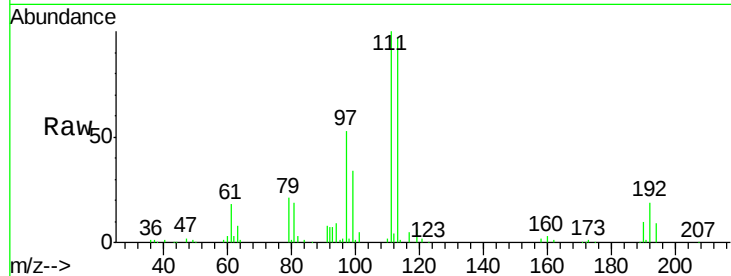
#35
Dibromofluoromethane
Concen: 52.270 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	181761		
111	103.2	83.0	124.4	
192	19.8	15.5	23.3	

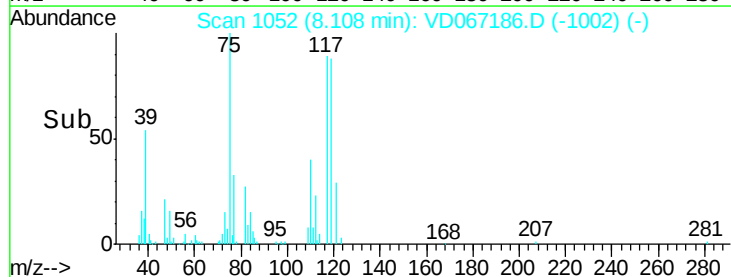
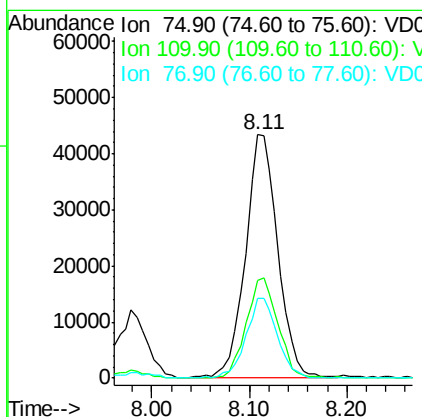
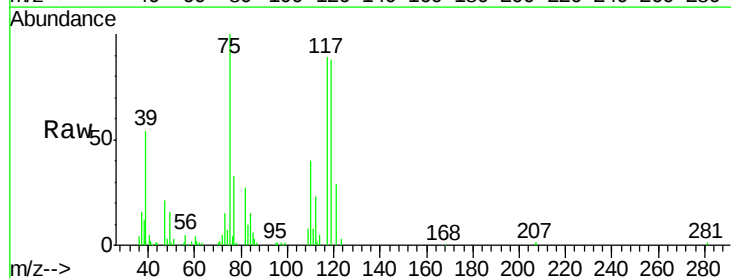
Manual Integrations
APPROVED

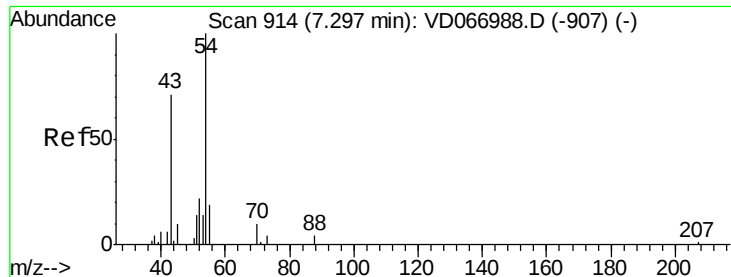
MMDadoda
10/9/2020 4:22:30 PM



#36
1,1-Dichloropropene
Concen: 20.417 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	101080		
110	40.1	18.4	55.0	
77	31.9	24.8	37.2	





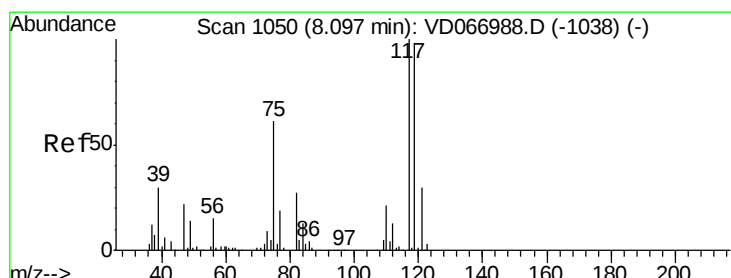
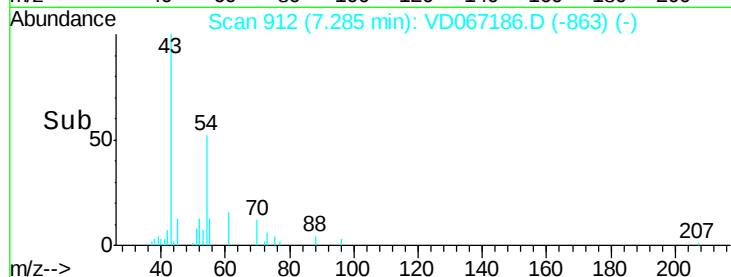
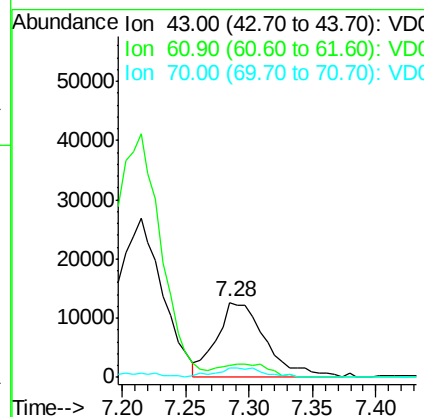
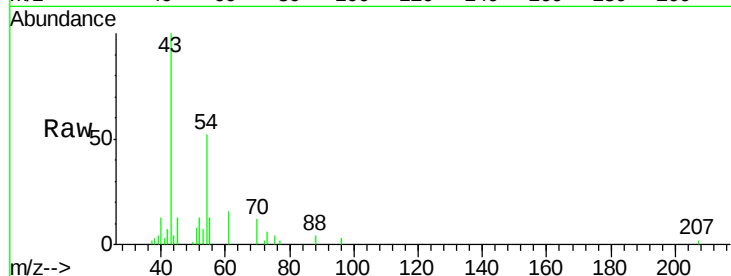
#37
Ethyl Acetate
Concen: 19.763 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	12.5	18.7
70	12.4	9.4	14.0

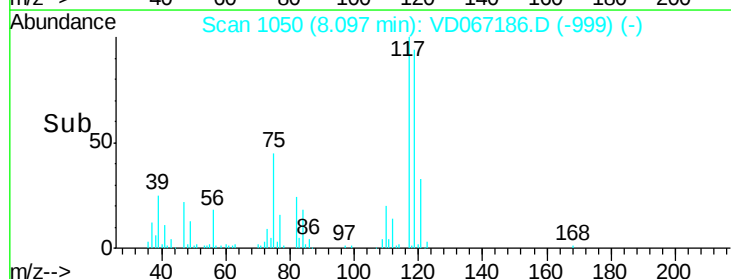
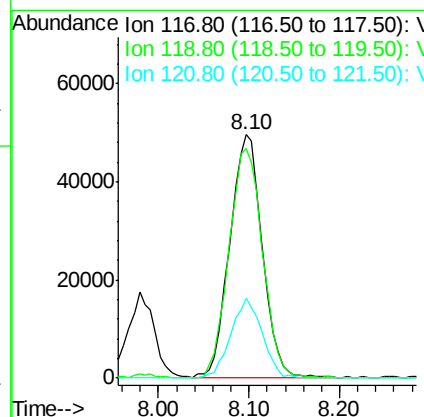
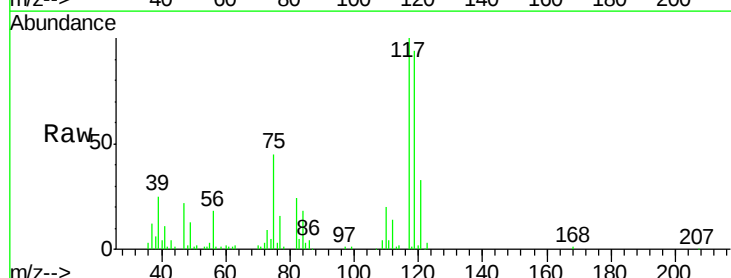
Manual Integrations
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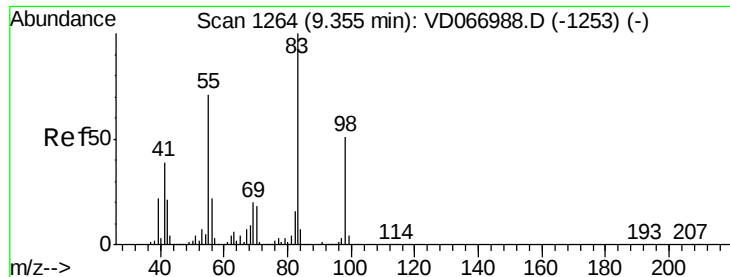
MMDadoda
10/9/2020 4:22:30 PM



#38
Carbon Tetrachloride
Concen: 23.202 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	78.7	118.1
121	32.8	24.2	36.2





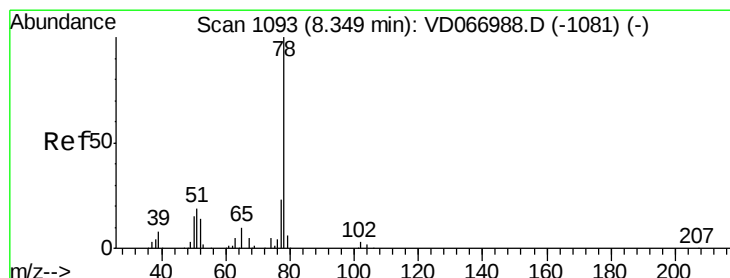
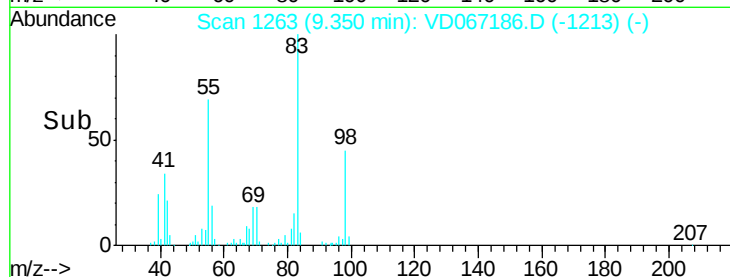
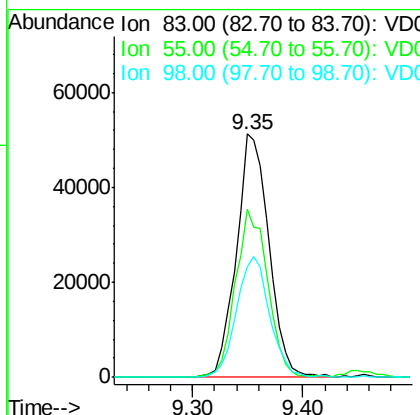
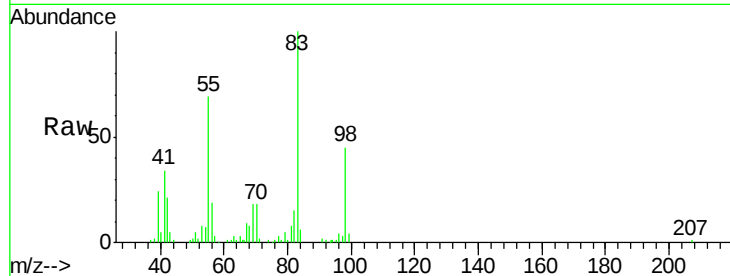
#39
Methvlcvclohexane
Concen: 20.332 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.8	57.1	85.7
98	45.5	40.9	61.3

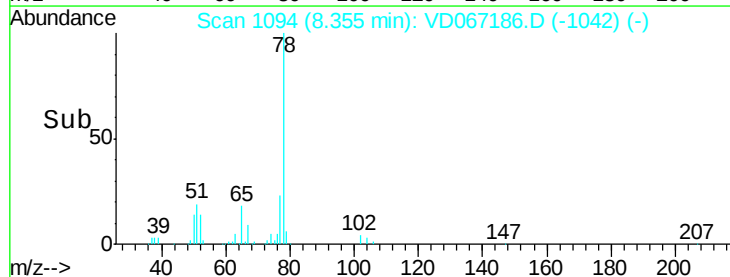
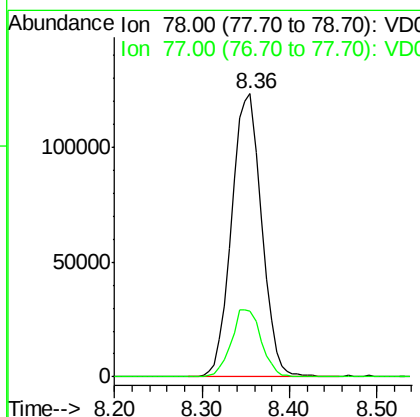
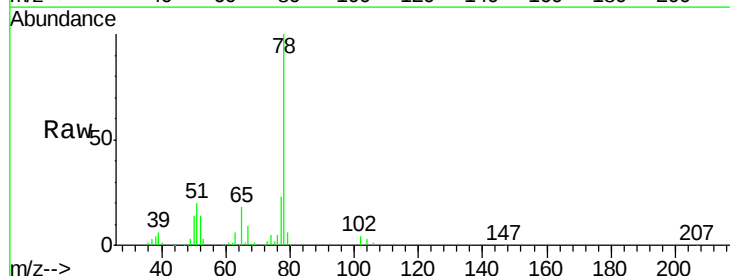
Manual Integrations
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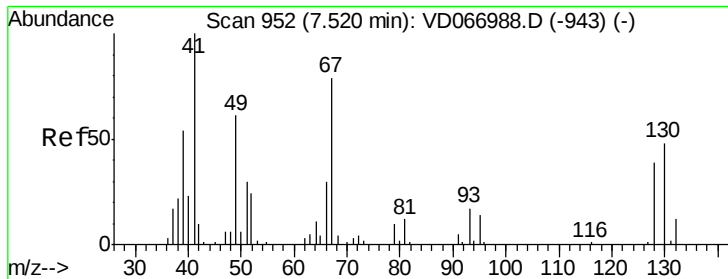
MMDadoda
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#40
Benzene
Concen: 20.870 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.4	27.6





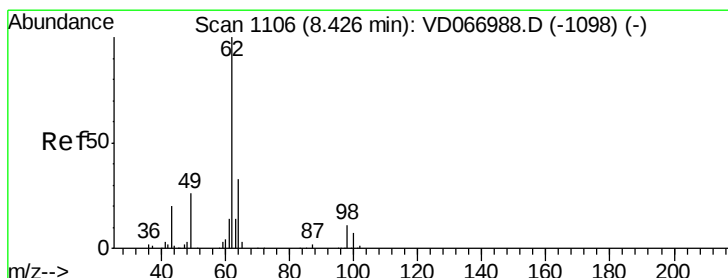
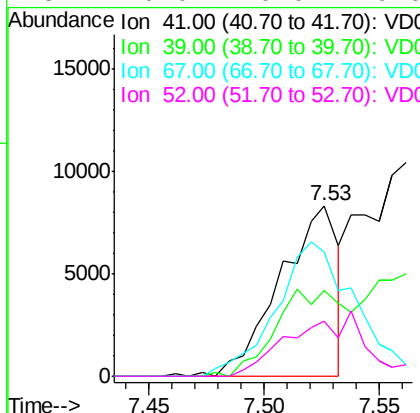
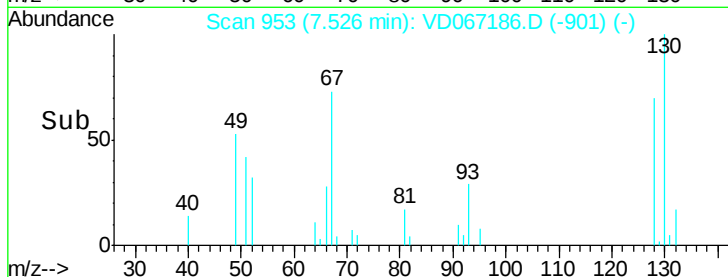
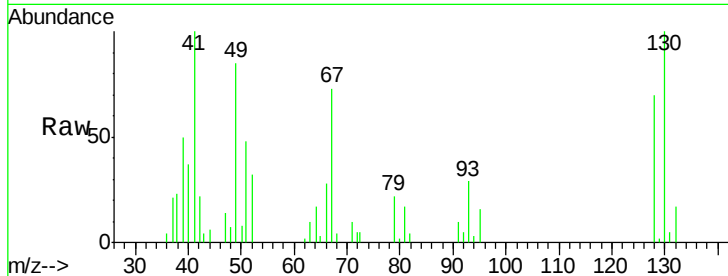
#41
Methacrylonitrile
Concen: 15.684 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.7	0.0	0.0#
67	108.2	0.0	0.0#
52	0.0	0.0	0.0

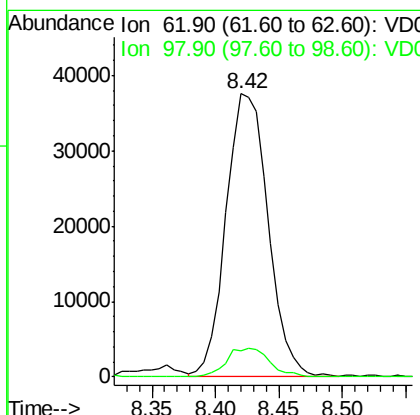
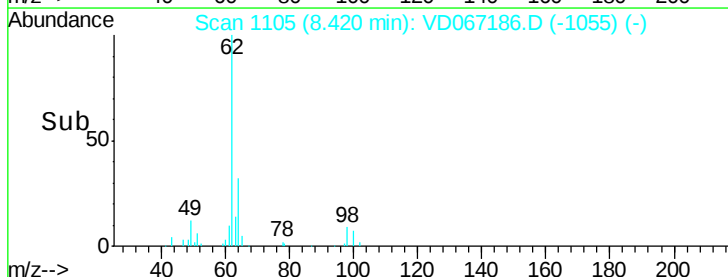
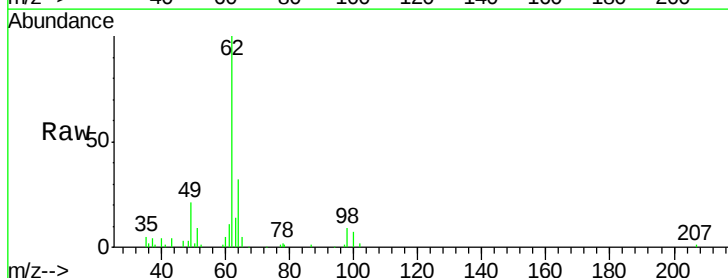
Manual Integrations
APPROVED

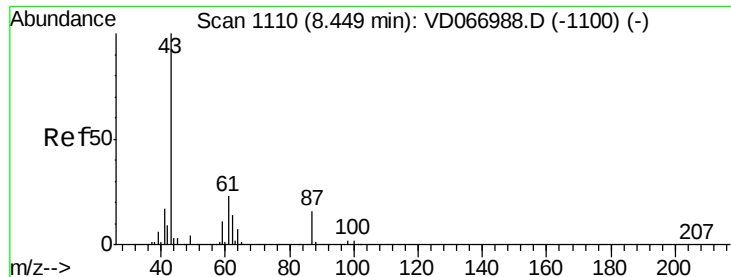
MMDadoda
10/9/2020 4:22:30 PM



#42
1,2-Dichloroethane
Concen: 22.552 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	22.6





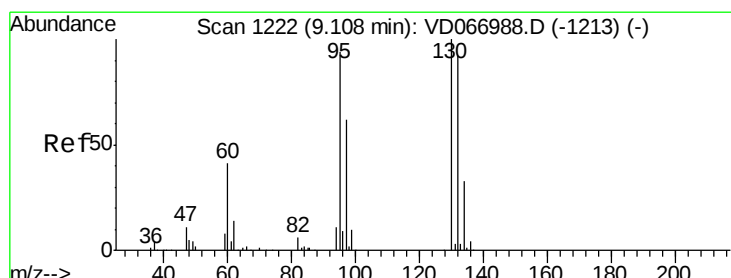
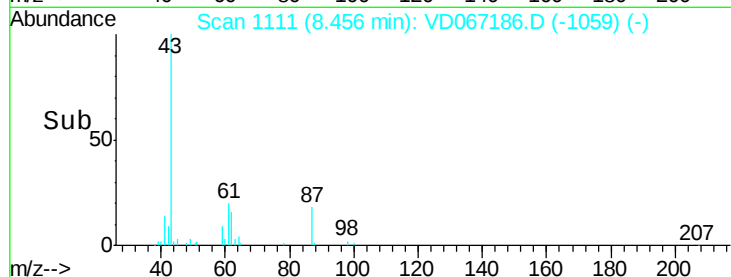
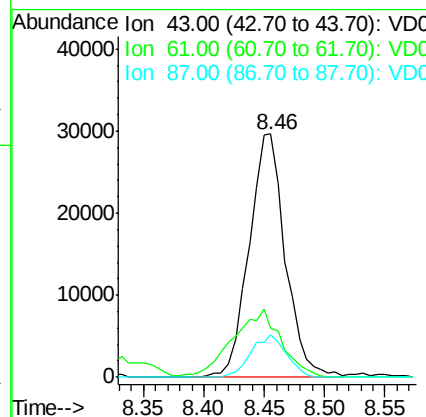
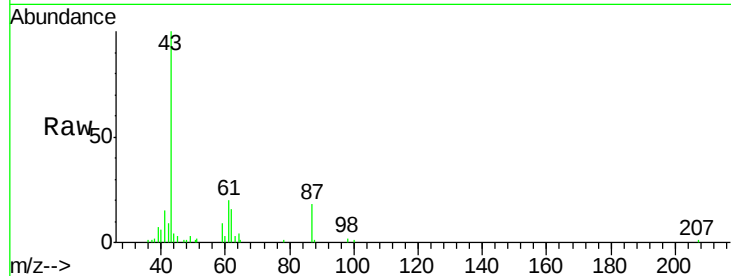
#43
Isopropyl Acetate
Concen: 19.535 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.3	27.1	40.7
87	17.1	12.3	18.5

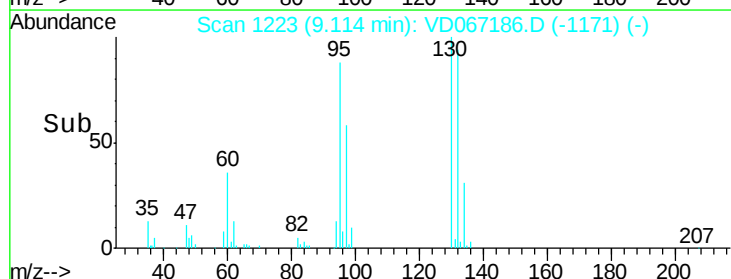
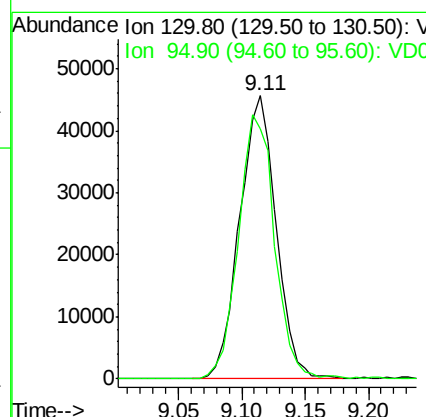
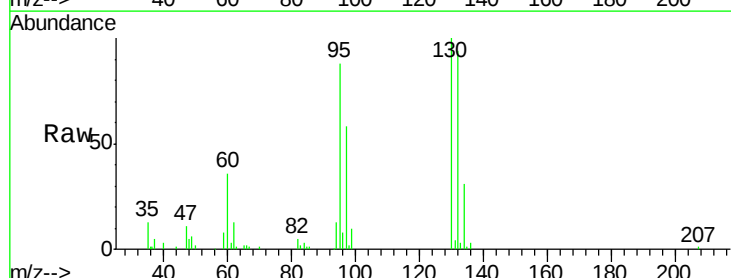
Manual Integrations
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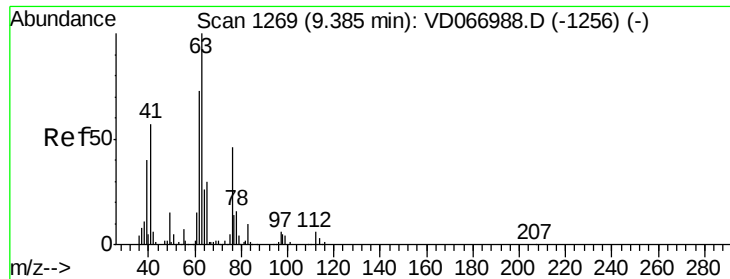
MMDadoda
10/9/2020 4:22:30 PM



#44
Trichloroethene
Concen: 22.147 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.2	0.0	187.8





#45

1,2-Dichloropropane

Concen: 20.989 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion: 63 Resp: 67815

Ion Ratio Lower Upper

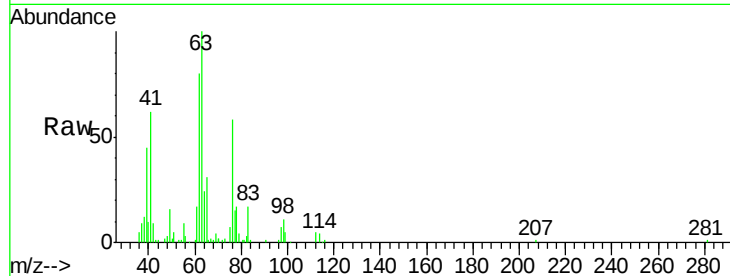
63 100

65 31.3 23.7 35.5

Manual Integrations
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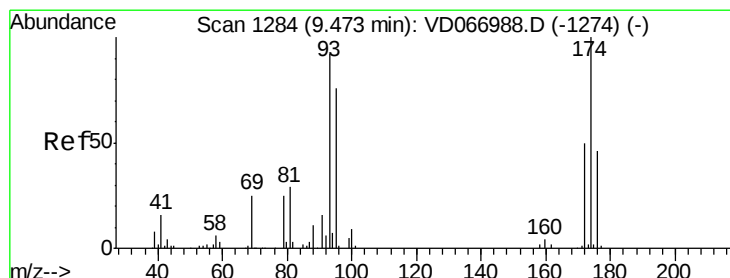
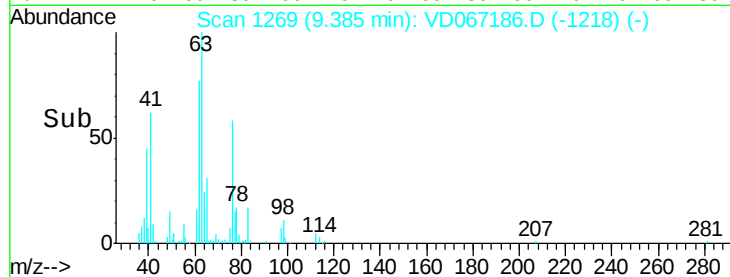
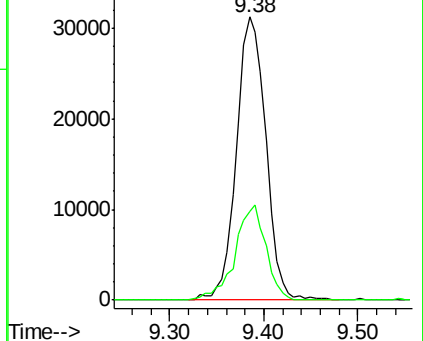
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.850 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

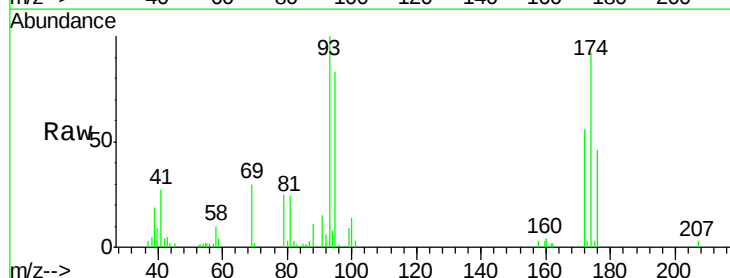
Tgt Ion: 93 Resp: 40576

Ion Ratio Lower Upper

93 100

95 83.1 64.7 97.1

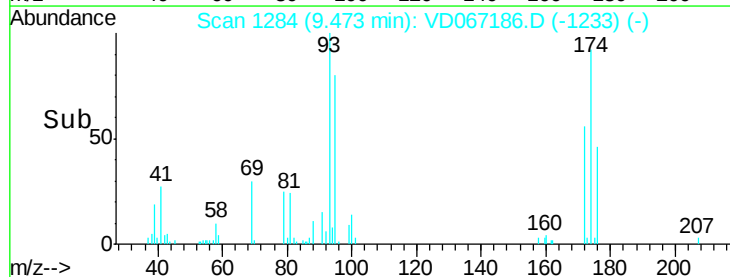
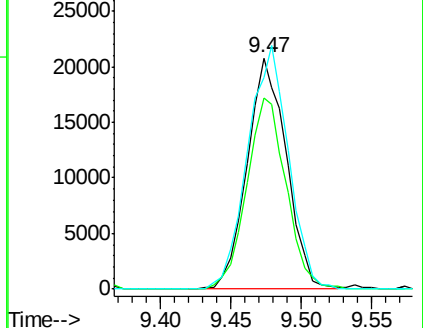
174 109.1 81.4 122.2

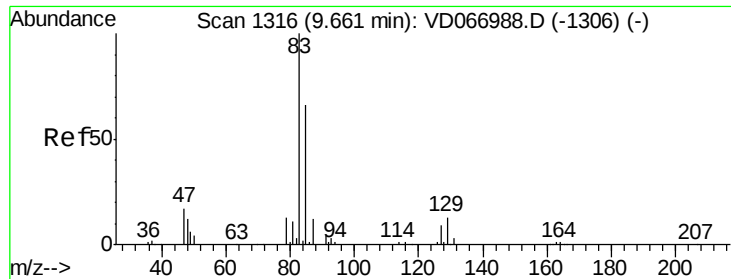


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.097 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

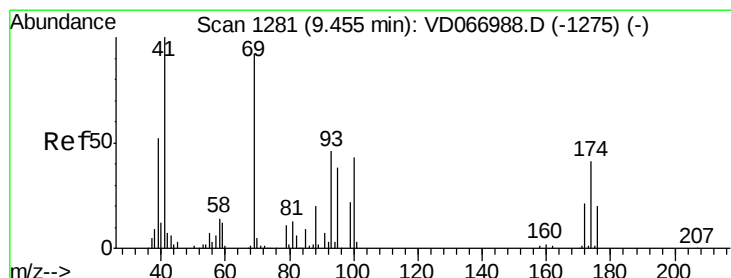
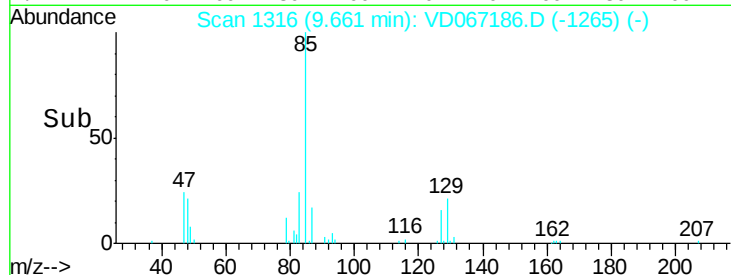
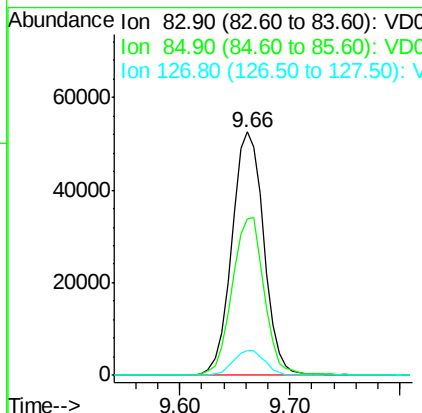
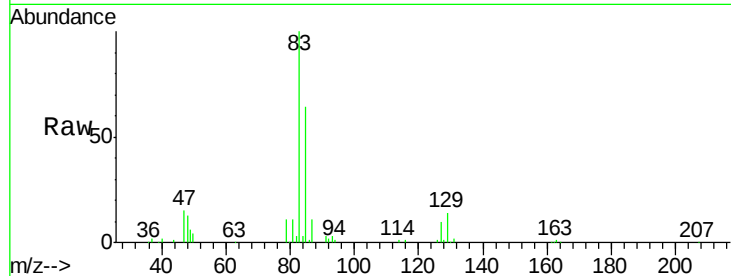
ClientSampleId :

VD1008SBS01

Tot Ion:	83	Resp:	106667
Ion Ratio	Lower	Upper	
83	100		
85	64.4	52.9	79.3
127	10.4	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.463 ug/l

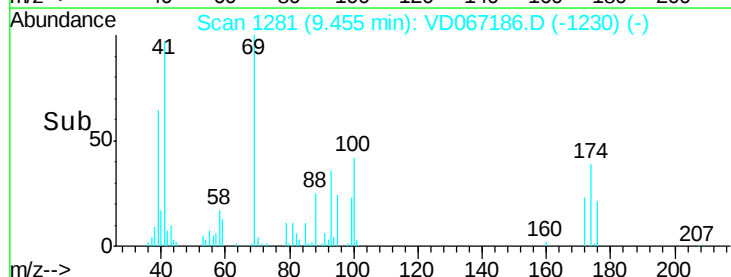
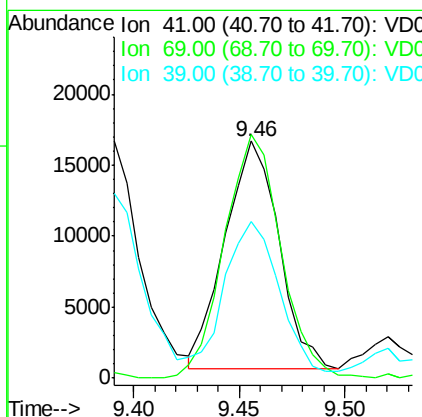
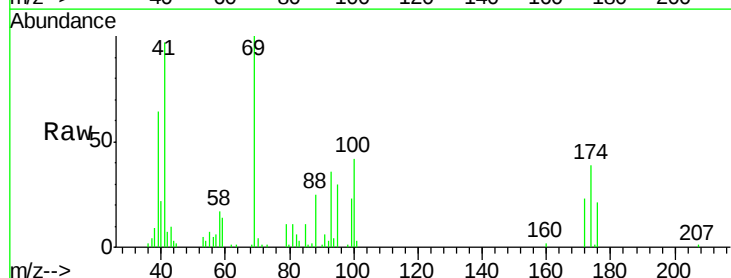
RT: 9.46 min Scan# 1281

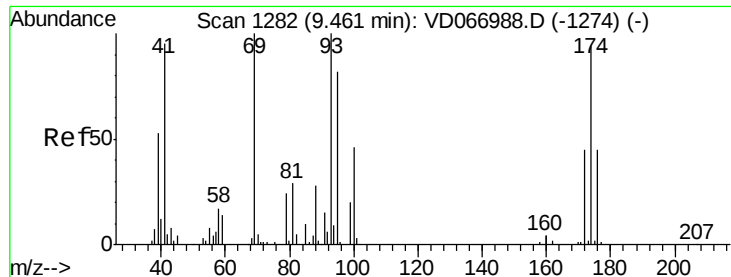
Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Tgt Ion:	41	Resp:	28267
Ion Ratio	Lower	Upper	
41	100		
69	112.9	68.5	102.7#
39	72.5	40.2	60.2#





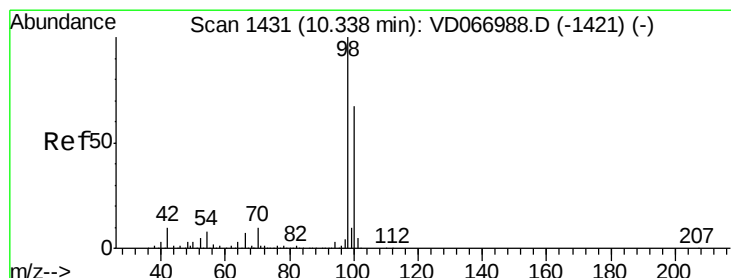
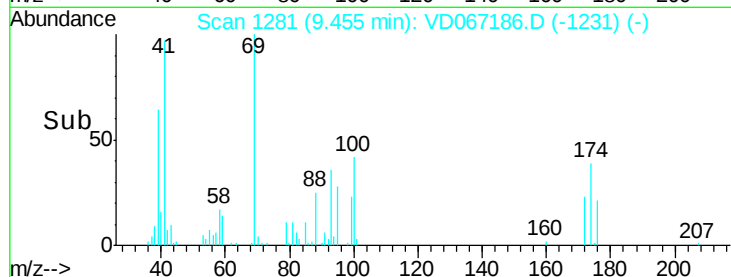
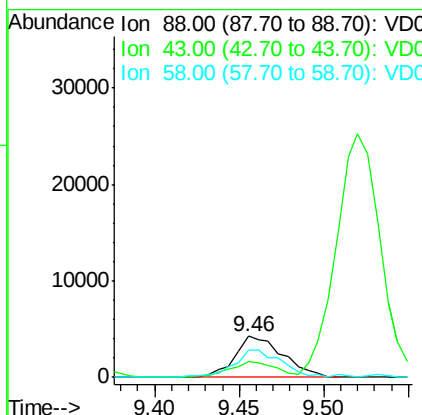
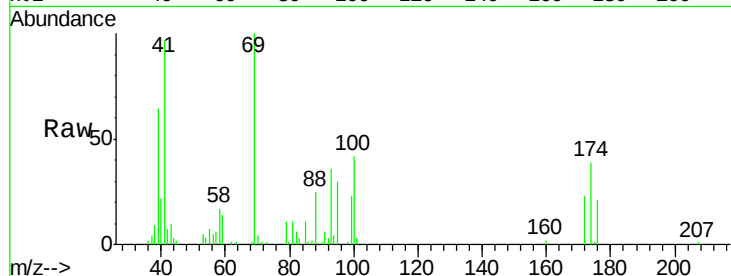
#49
1,4-Dioxane
Concen: 428.652 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	88	Resp	8308
Ion	Ratio	Lower	Upper
88	100		
43	38.3	25.6	38.4
58	67.7	53.5	80.3

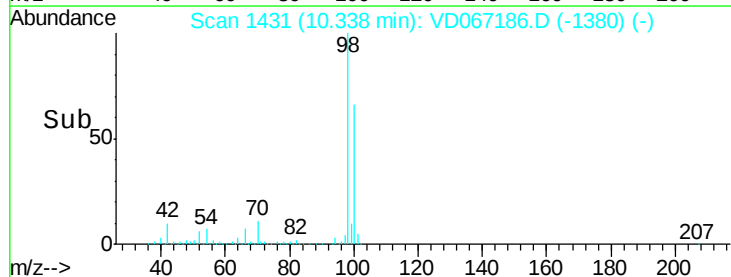
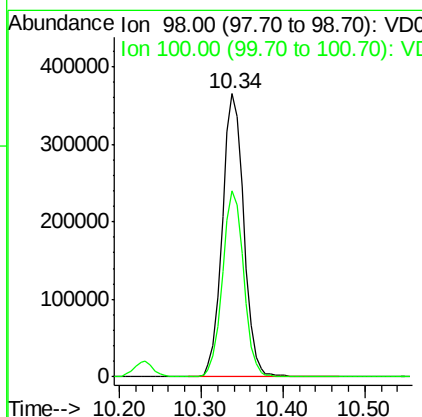
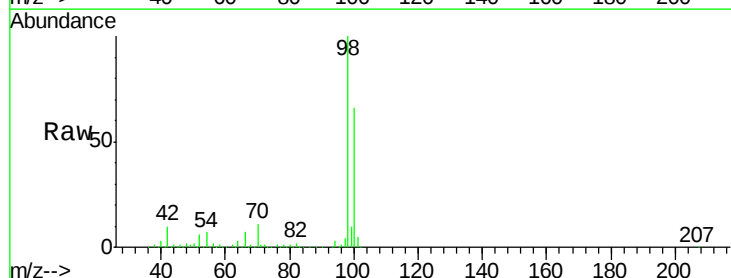
Manual Integrations
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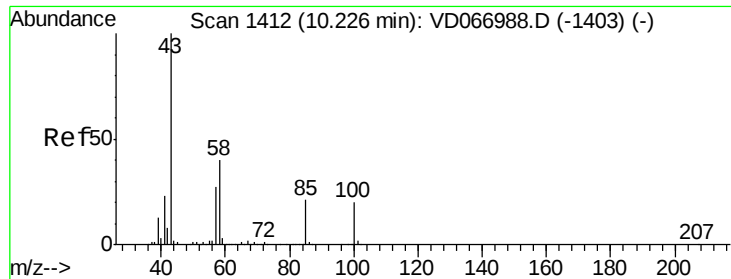
MMDadoda
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#50
Toluene-d8
Concen: 52.660 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	98	Resp	667249
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 100.979 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion: 43 Resp: 158921

Ion Ratio Lower Upper

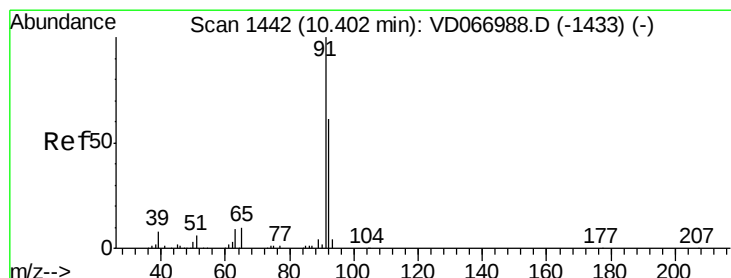
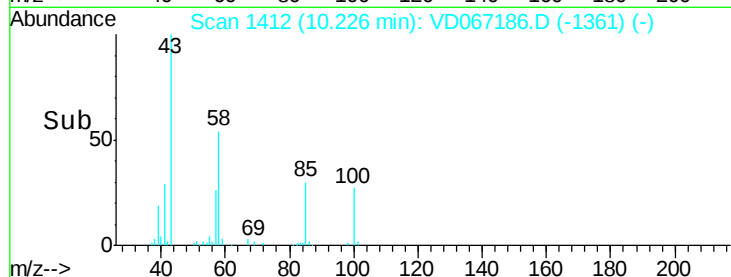
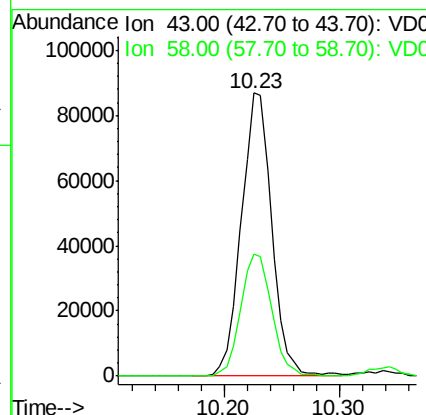
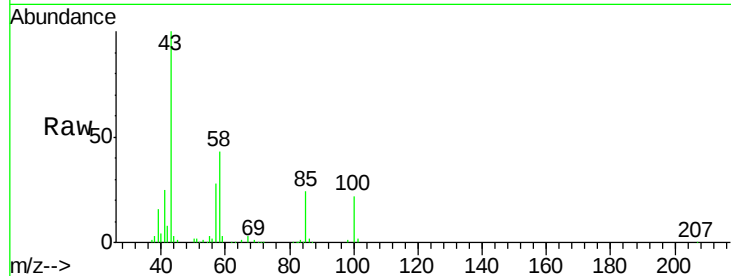
43 100

58 44.2 33.8 50.8

Manual Integrations
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#52

Toluene

Concen: 22.508 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067186.D

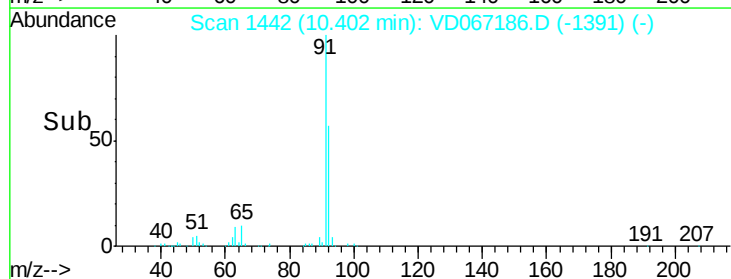
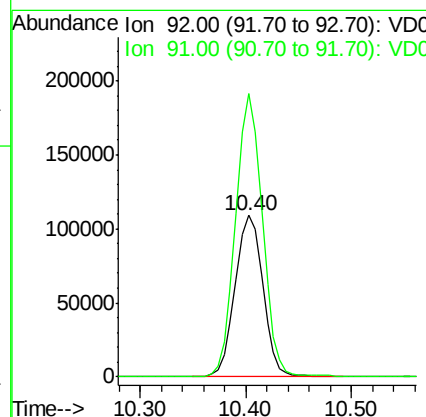
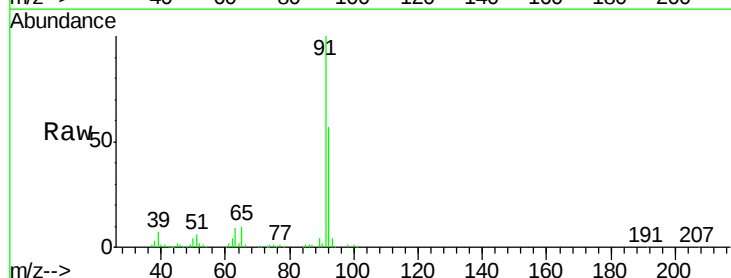
Acq: 08 Oct 2020 11:24

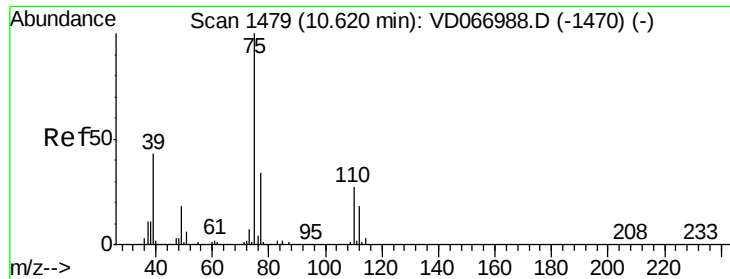
Tgt Ion: 92 Resp: 199378

Ion Ratio Lower Upper

92 100

91 168.0 135.1 202.7





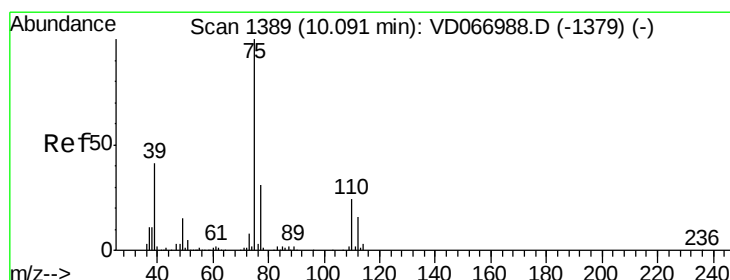
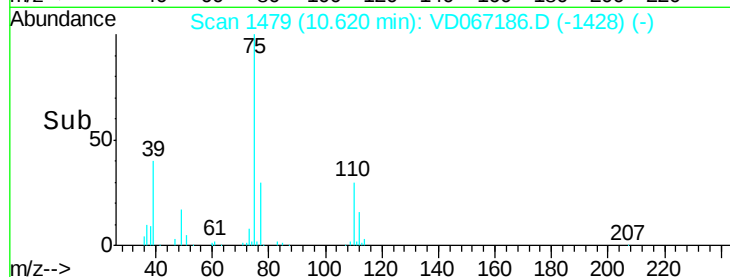
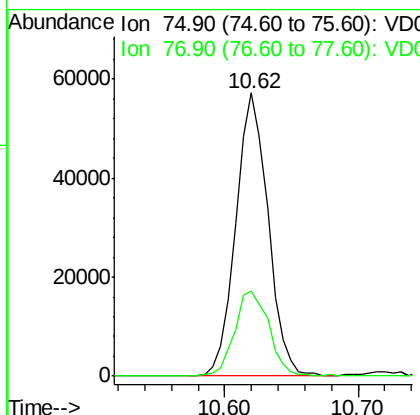
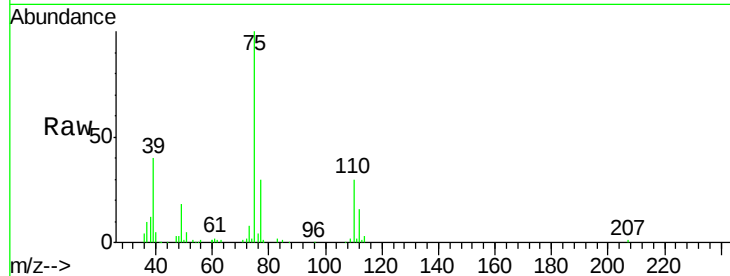
#53
t-1,3-Dichloropropene
Concen: 22.255 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	27.1	40.7

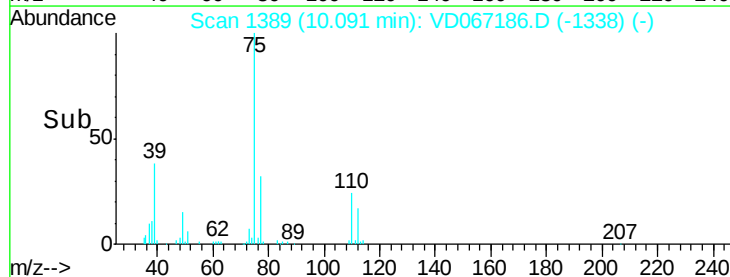
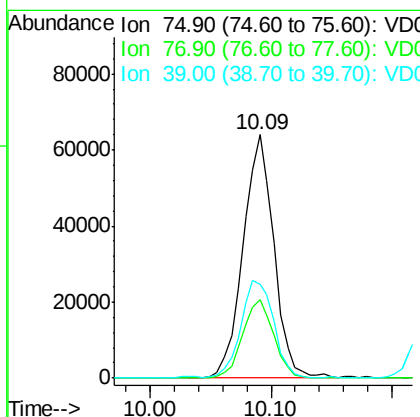
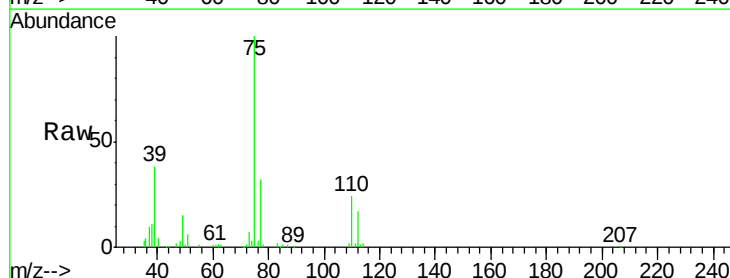
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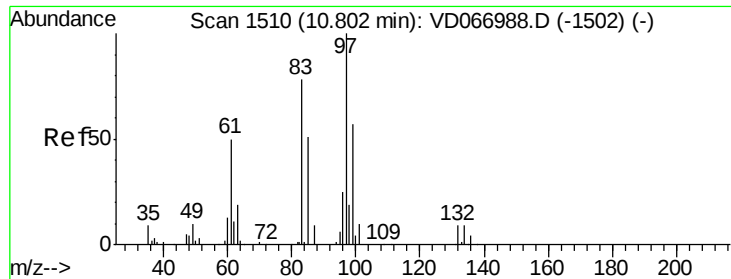
MMDadoda
10/9/2020 4:22:30 PM



#54
cis-1,3-Dichloropropene
Concen: 21.659 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.6	37.0
39	38.5	33.0	49.4





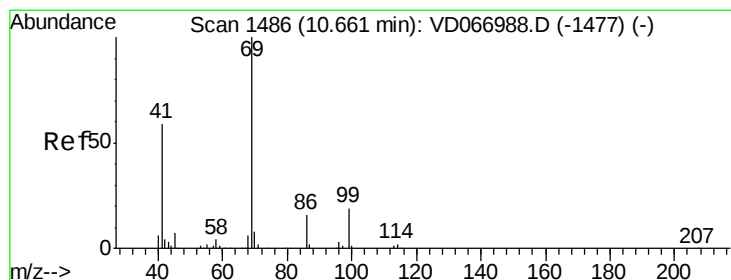
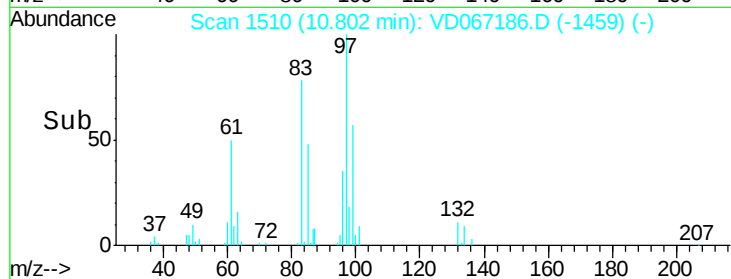
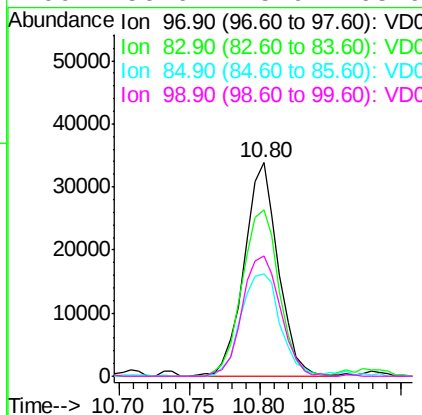
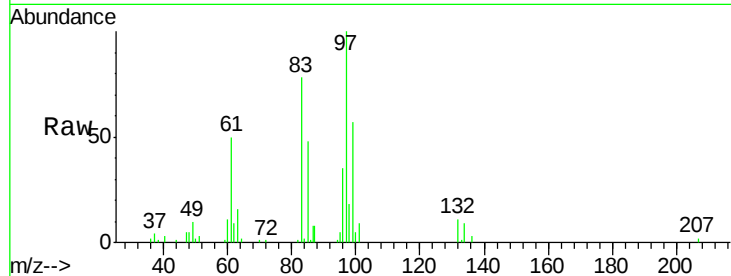
#55
 1,1,2-Trichloroethane
 Concen: 22.236 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067186.D
 Acq: 08 Oct 2020 11:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Tot Ion:	97	Resp:	57411
Ion	Ratio	Lower	Upper
97	100		
83	78.1	62.4	93.6
85	47.9	41.0	61.4
99	56.6	45.9	68.9

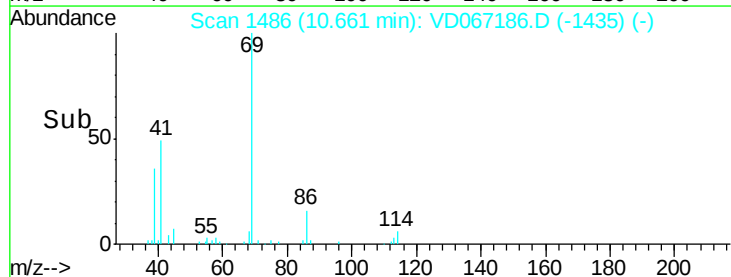
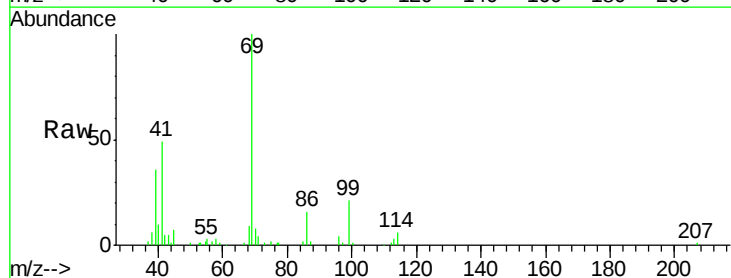
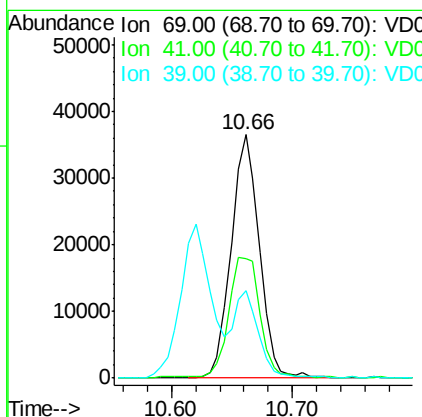
Manual Integrations
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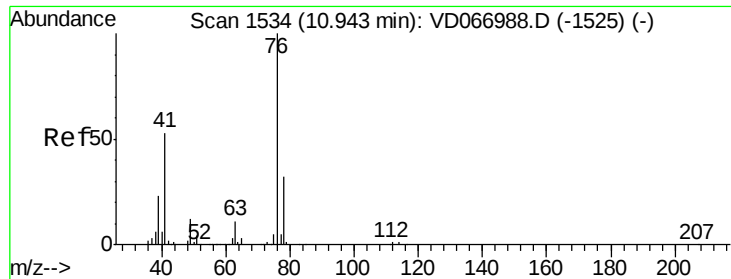
MMDadoda
 10/9/2020 4:22:30 PM



#56
 Ethyl methacrylate
 Concen: 22.338 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067186.D
 Acq: 08 Oct 2020 11:24

Tgt Ion:	69	Resp:	59544
Ion	Ratio	Lower	Upper
69	100		
41	55.1	46.4	69.6
39	32.4	23.8	35.6





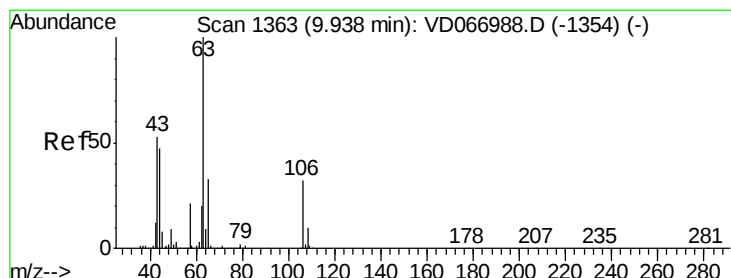
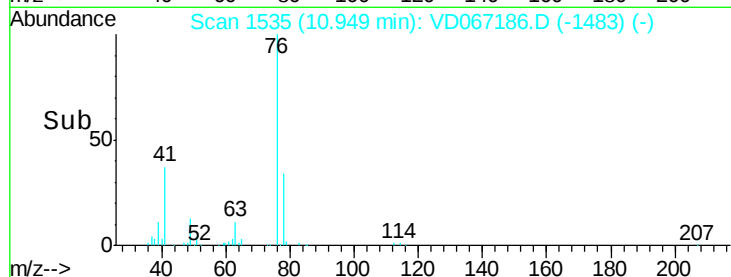
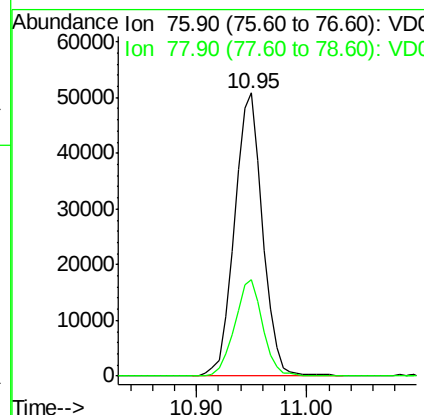
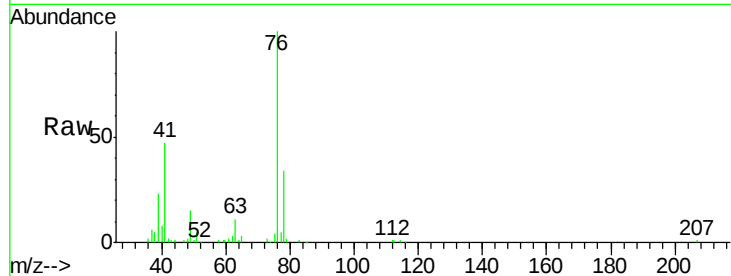
#57
 1,3-Dichloropropane
 Concen: 21.644 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD067186.D
 Acq: 08 Oct 2020 11:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.7	25.8	38.8

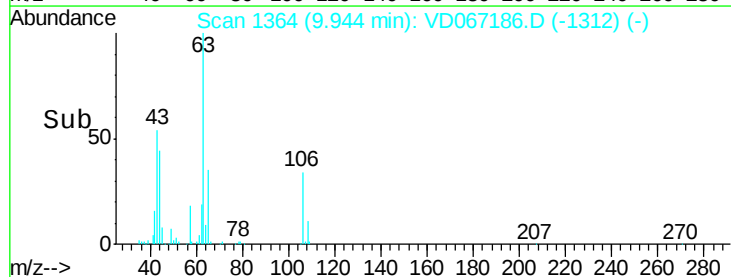
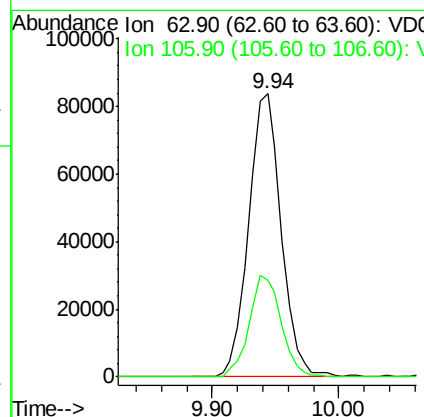
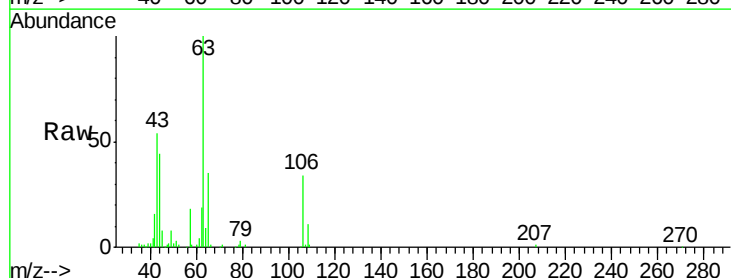
Manual Integrations
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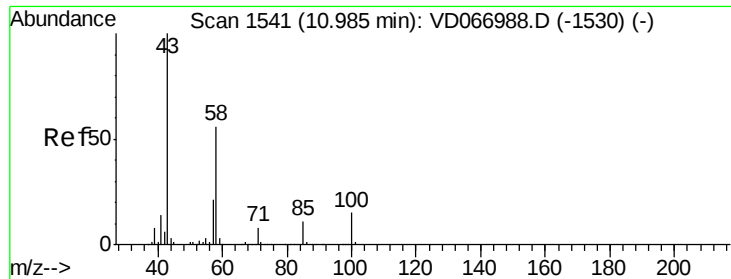
MMDadoda
 10/9/2020 4:22:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.028 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VD067186.D
 Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	35.4	25.3	37.9





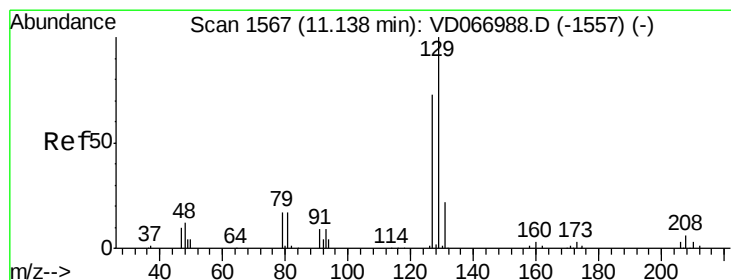
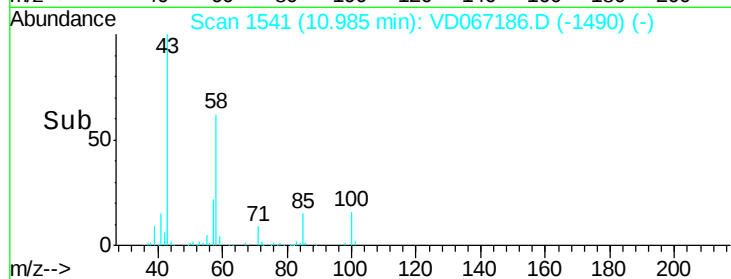
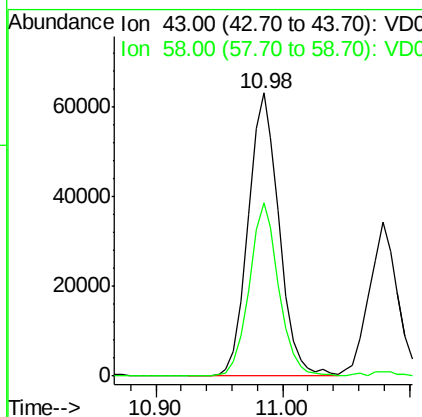
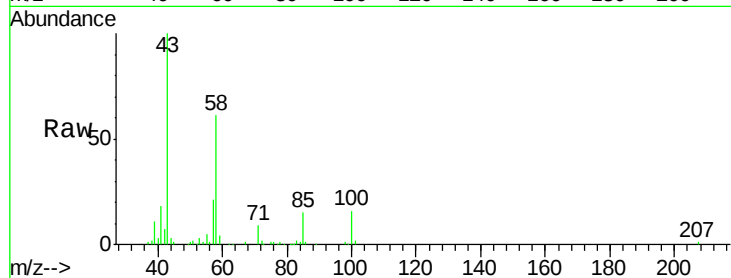
#59
2-Hexanone
Concen: 101.894 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion: 43 Resp: 107032
Ion Ratio Lower Upper
43 100
58 58.6 28.3 84.9

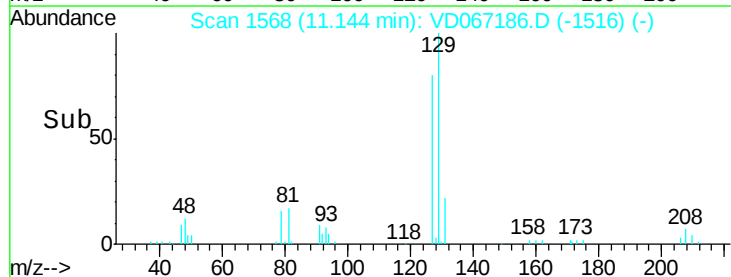
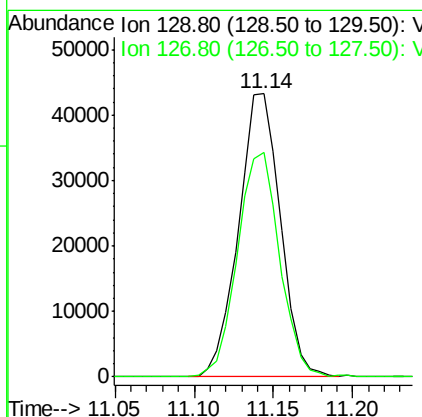
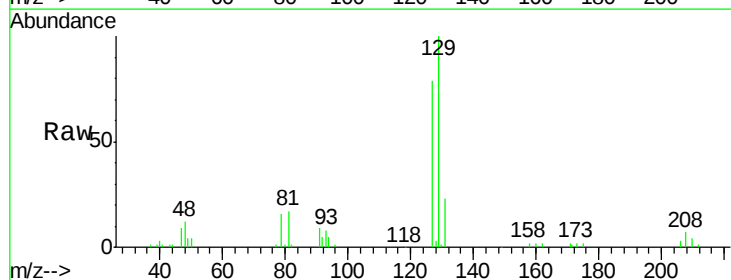
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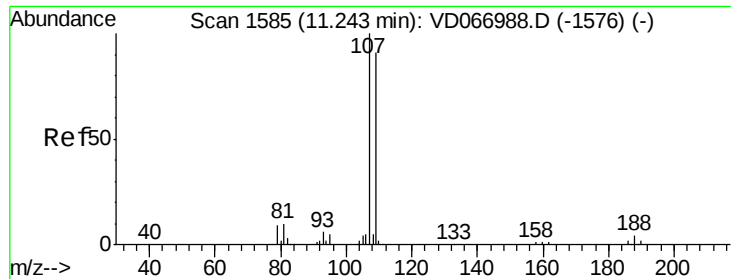
MMDadoda
10/9/2020 4:22:30 PM



#60
Dibromochloromethane
Concen: 23.030 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion: 129 Resp: 79250
Ion Ratio Lower Upper
129 100
127 79.9 37.4 112.1





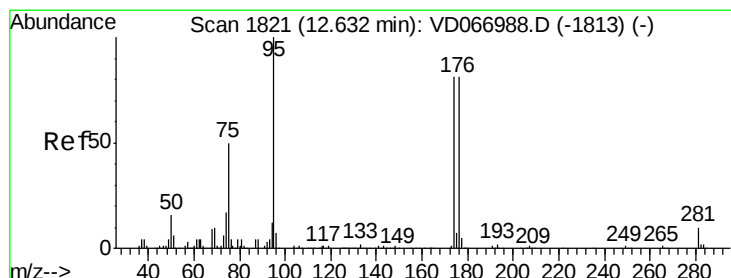
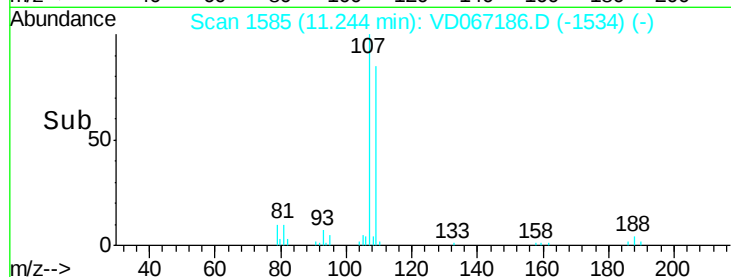
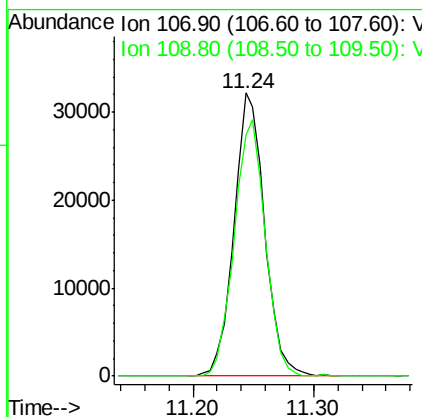
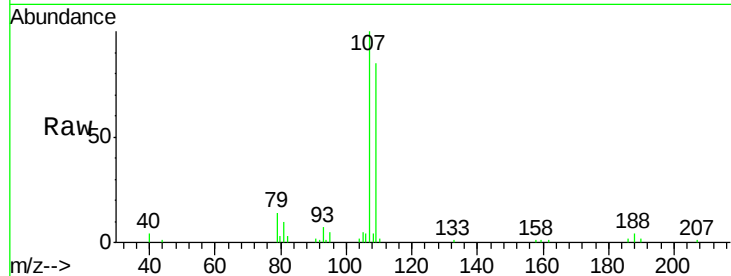
#61
 1,2-Dibromoethane
 Concen: 22.867 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067186.D
 Acq: 08 Oct 2020 11:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Tot Ion: 107 Resp: 56720
 Ion Ratio Lower Upper
 107 100
 109 91.6 74.0 111.0

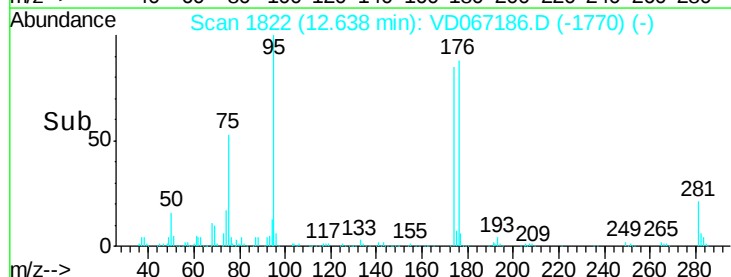
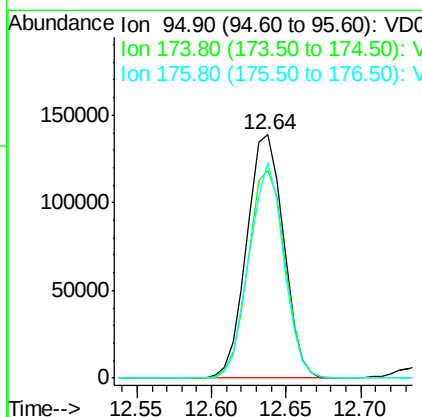
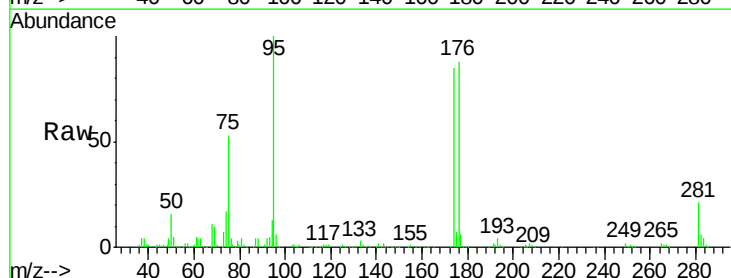
Manual Integrations
 APPROVED

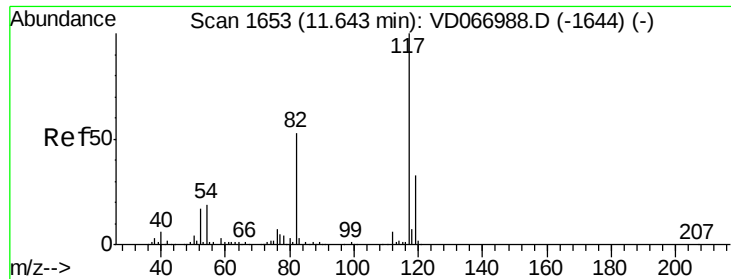
MMDadoda
 10/9/2020 4:22:30 PM



#62
 4-Bromofluorobenzene
 Concen: 55.168 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067186.D
 Acq: 08 Oct 2020 11:24

Tgt Ion: 95 Resp: 237307
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 167.6
 176 82.9 0.0 162.4





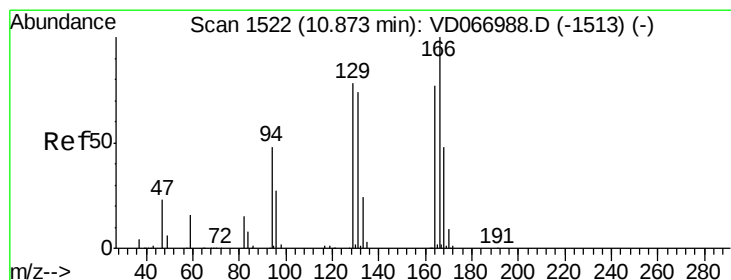
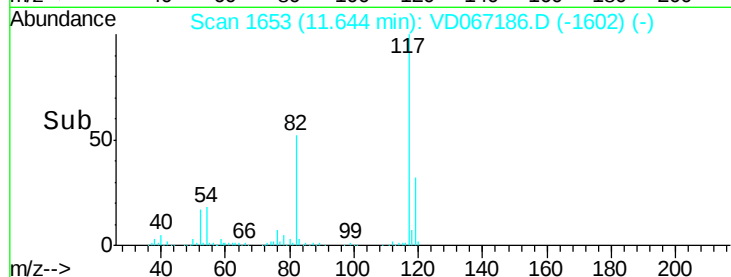
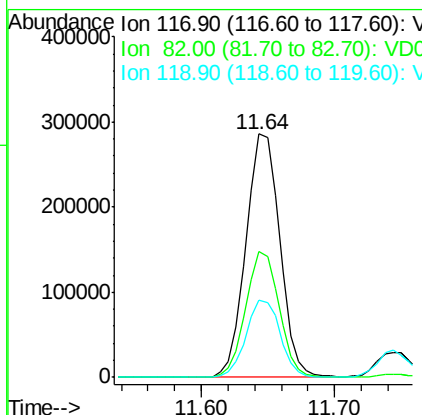
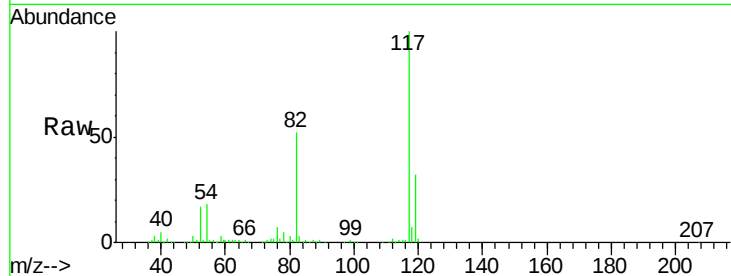
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	501876		
82	51.9		42.6	63.8
119	31.8		26.3	39.5

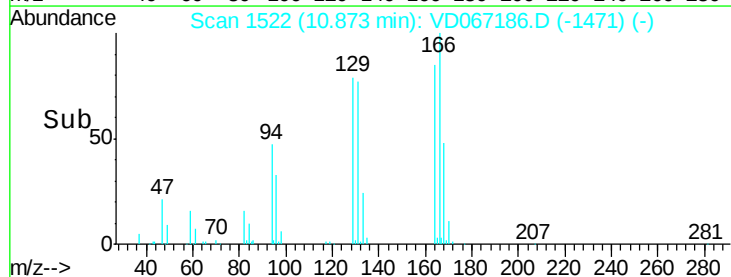
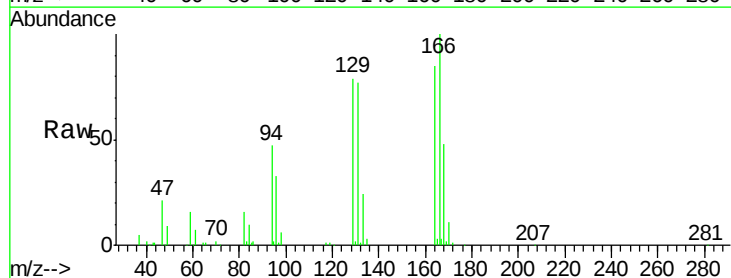
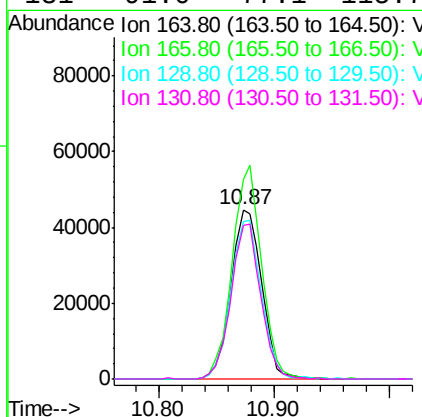
Manual Integrations
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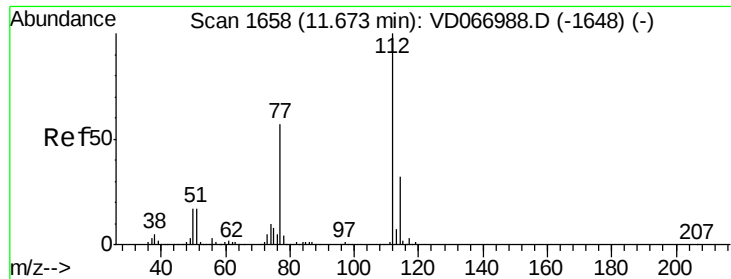
MMDadoda
10/9/2020 4:22:30 PM



#64
Tetrachloroethene
Concen: 22.442 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81884		
166	118.1		104.4	156.6
129	93.0		81.3	121.9
131	91.0		77.1	115.7





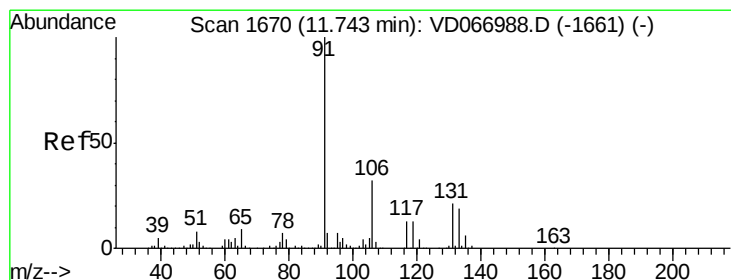
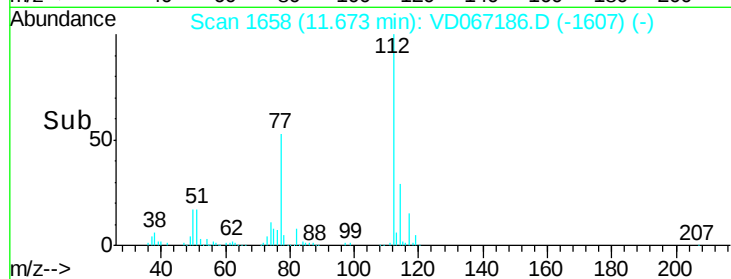
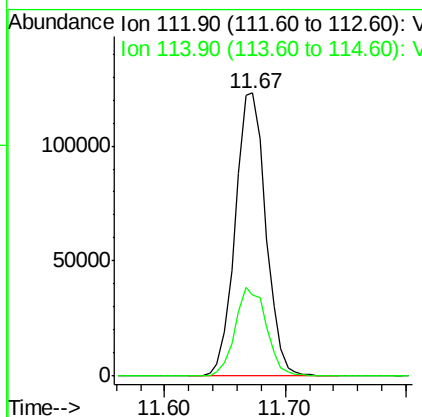
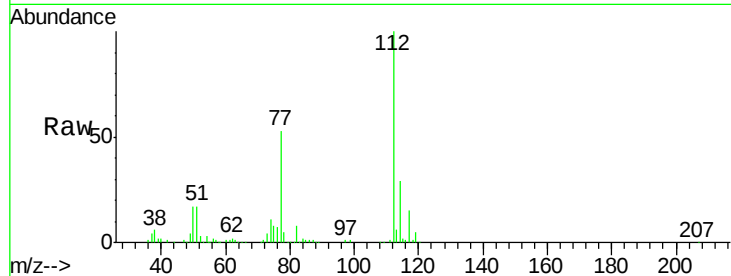
#65
Chlorobenzene
Concen: 21.812 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	217718		
114	28.8	25.4	38.0	

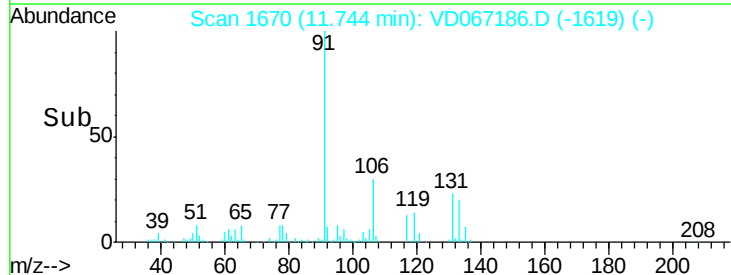
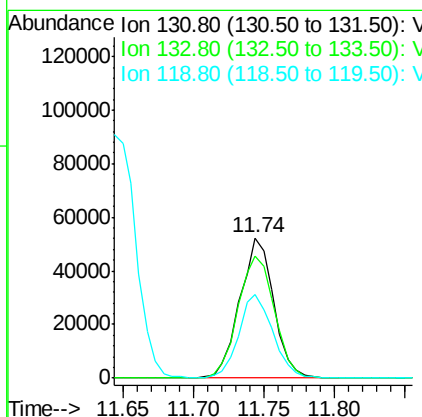
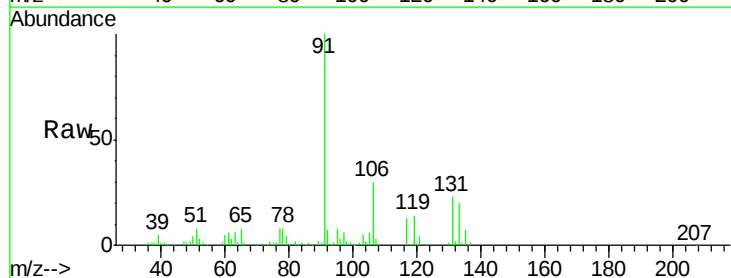
Manual Integrations
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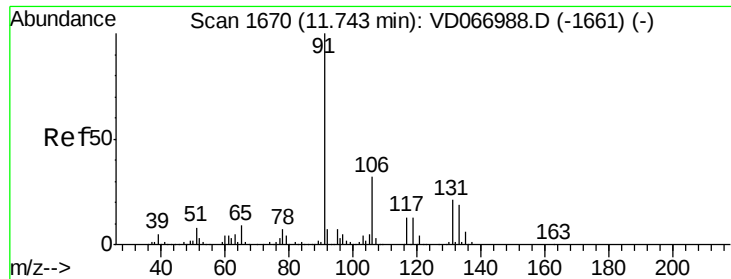
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.121 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	87786		
133	93.7	47.8	143.3	
119	60.2	32.3	96.8	





#67

Ethyl Benzene

Concen: 21.810 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion: 91 Resp: 373001

Ion Ratio Lower Upper

91 100

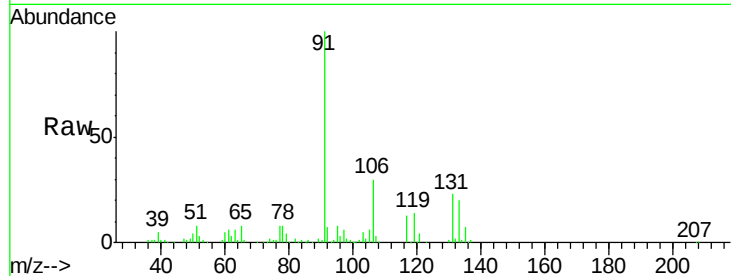
106 29.7 25.4 38.2

Manual Integrations

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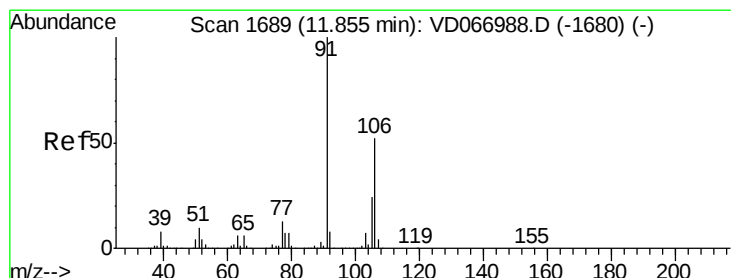
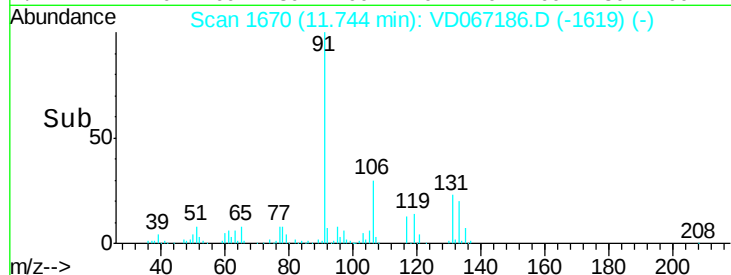
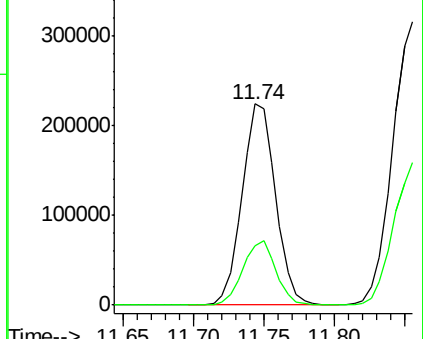
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.811 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067186.D

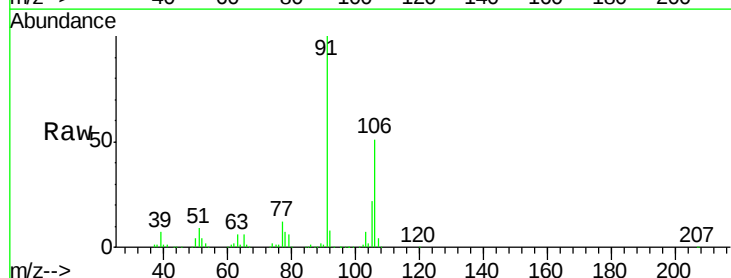
Acq: 08 Oct 2020 11:24

Tgt Ion: 106 Resp: 292006

Ion Ratio Lower Upper

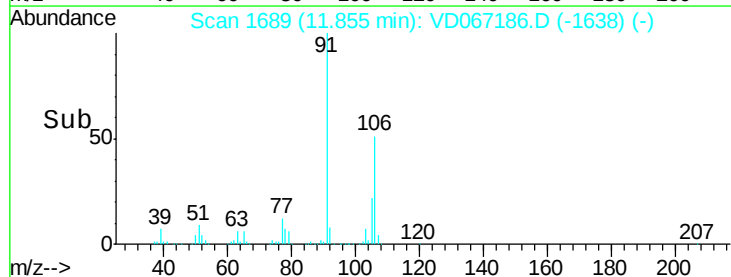
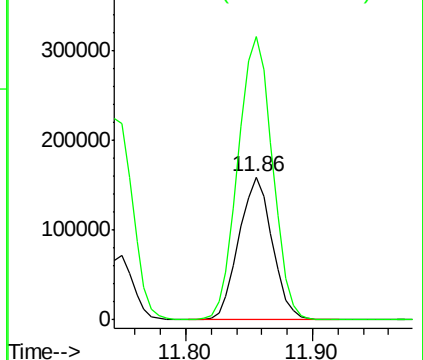
106 100

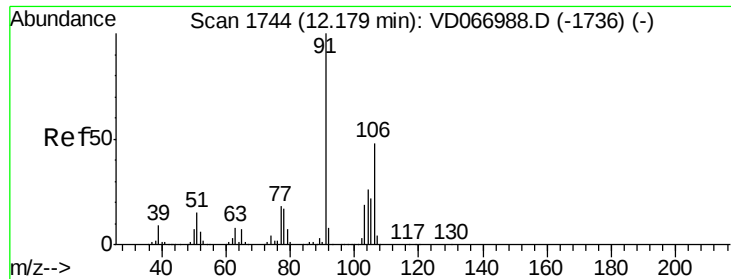
91 203.9 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





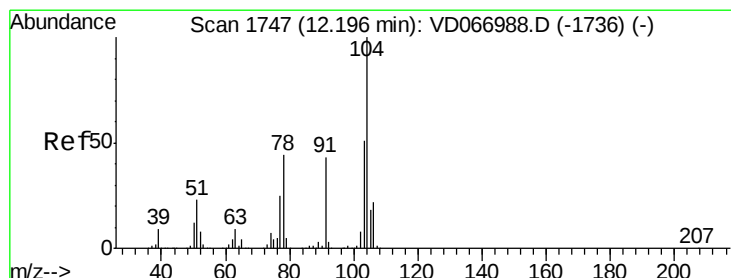
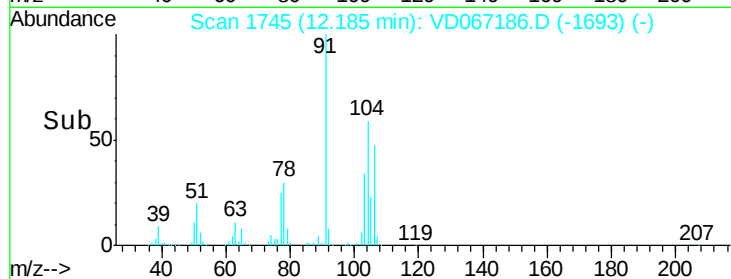
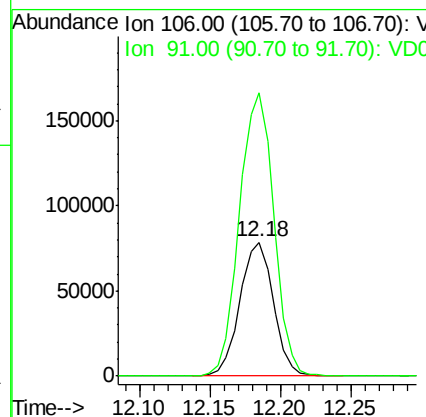
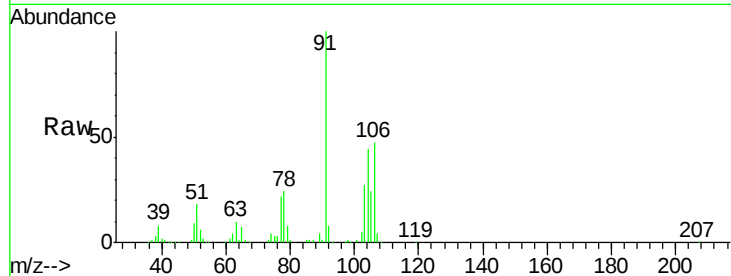
#69
o-Xylene
Concen: 21.938 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		130755		
91	217.5	102.4	307.2		

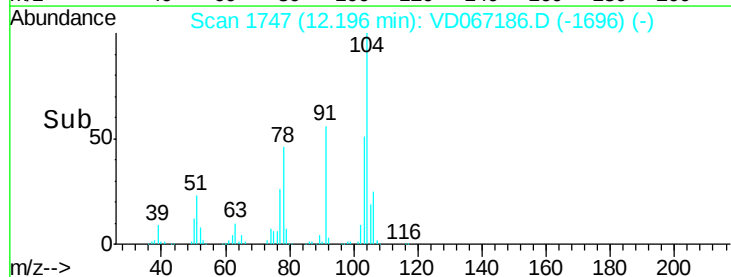
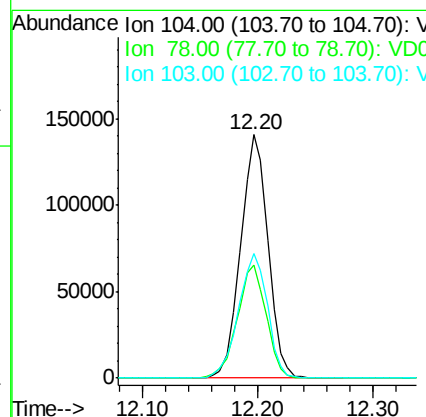
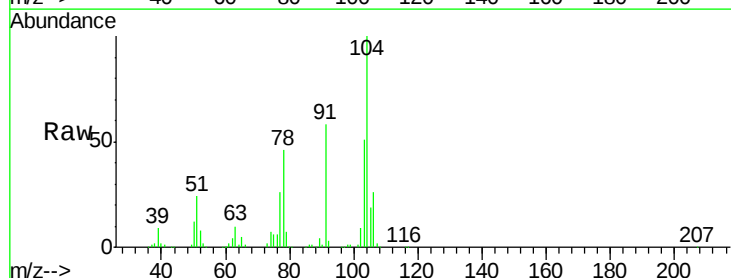
Manual Integrations
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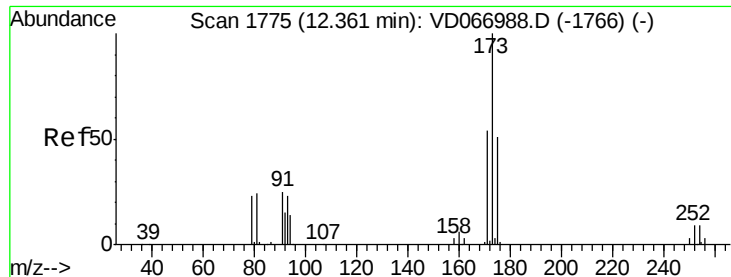
MMDadoda
10/9/2020 4:22:30 PM



#70
Styrene
Concen: 22.550 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		230795		
78	49.0	38.6	58.0		
103	54.4	43.4	65.0		





#71

Bromoform

Concen: 23.261 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion:173 Resp: 45846

Ion Ratio Lower Upper

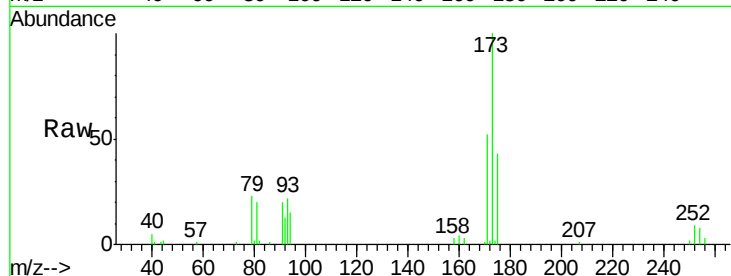
173 100

175 47.8 24.9 74.7

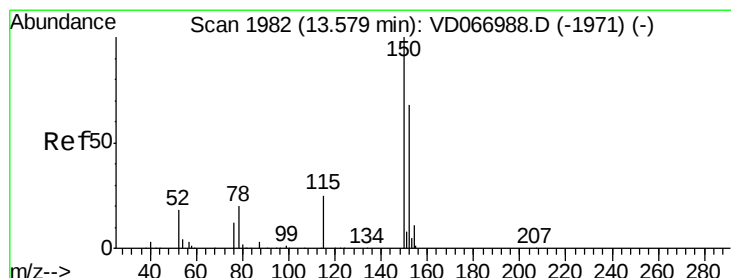
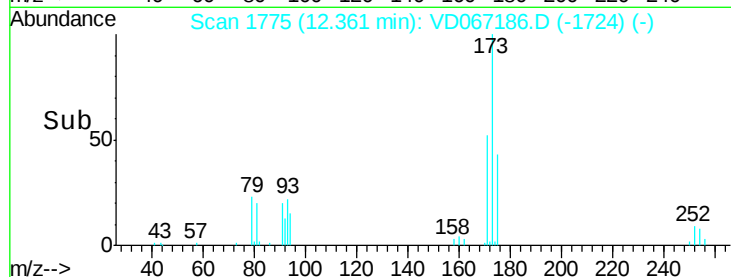
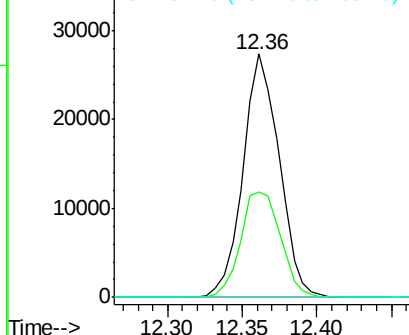
254 0.0 0.2 0.4#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

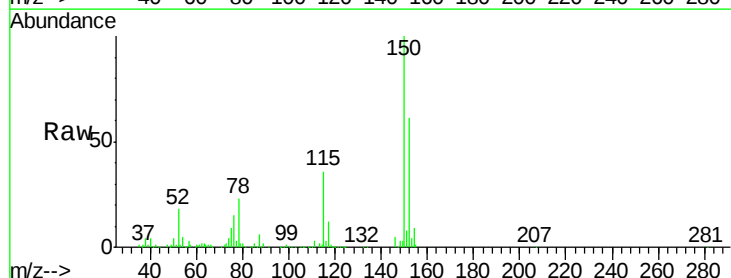
Tgt Ion:152 Resp: 251425

Ion Ratio Lower Upper

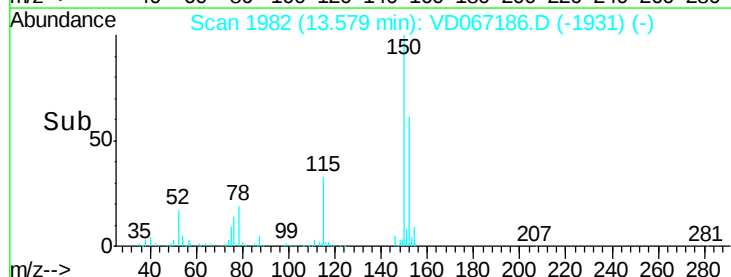
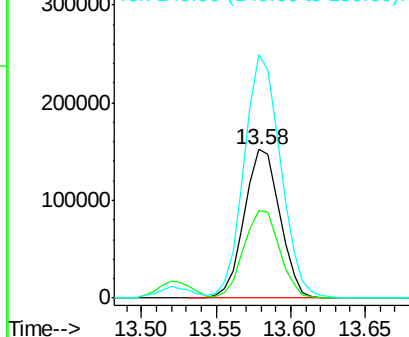
152 100

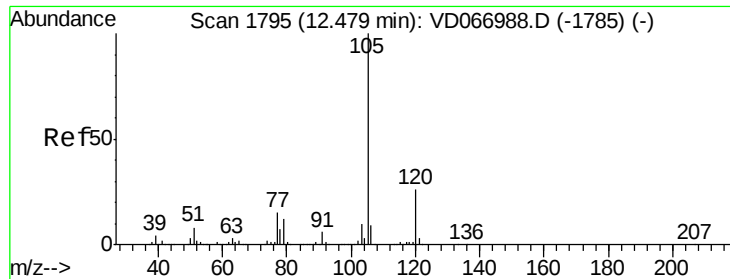
115 59.6 29.6 88.8

150 168.2 0.0 344.8



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





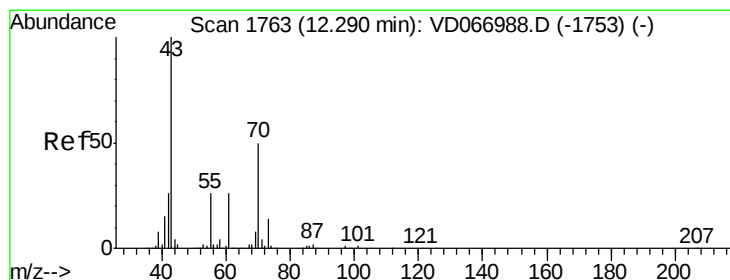
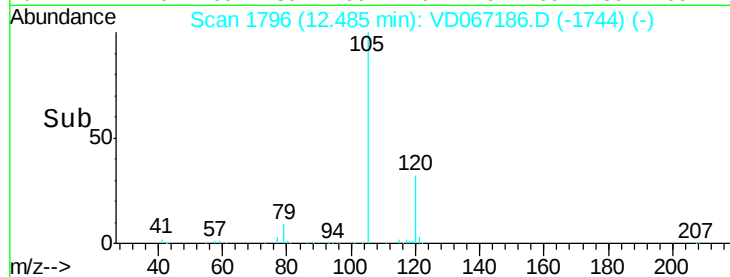
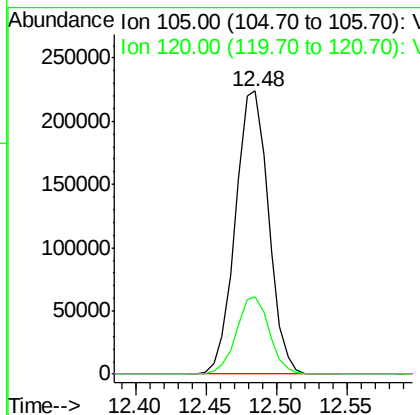
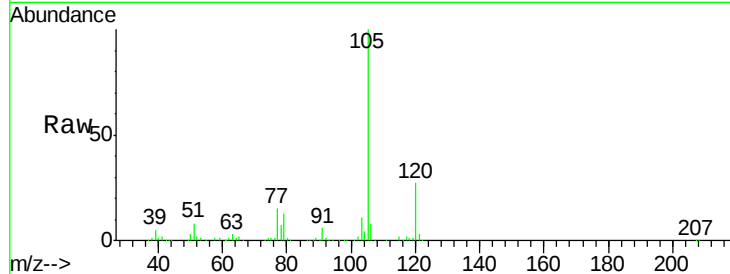
#73
Isopropylbenzene
Concen: 21.564 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.3	39.9

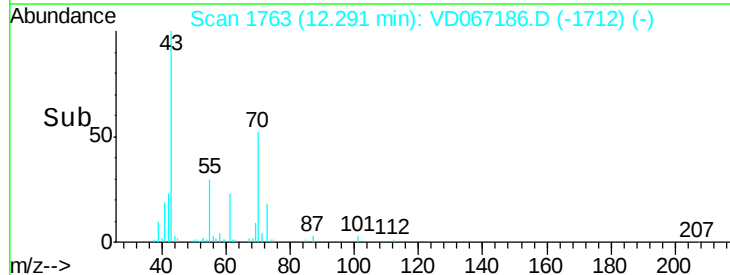
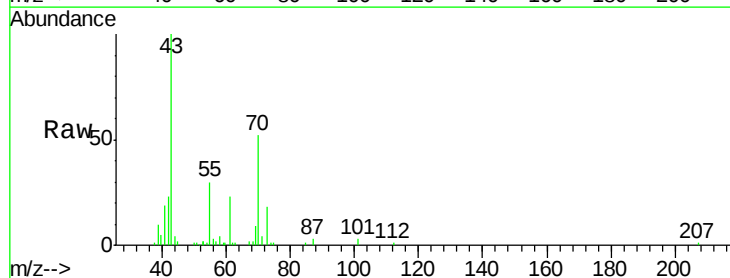
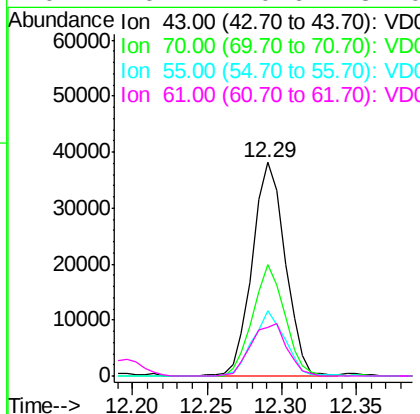
Manual Integrations
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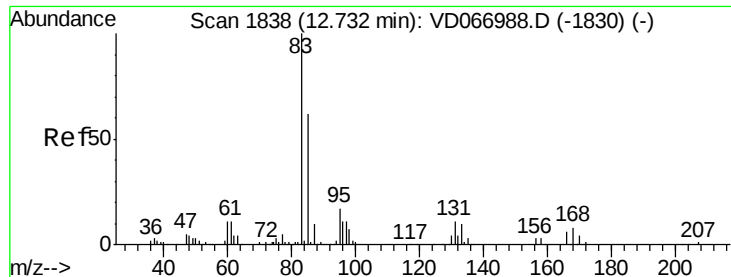
MMDadoda
10/9/2020 4:22:30 PM



#74
N-ethyl acetate
Concen: 19.023 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	50.6	38.2	57.2
55	30.0	22.4	33.6
61	26.7	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.285 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

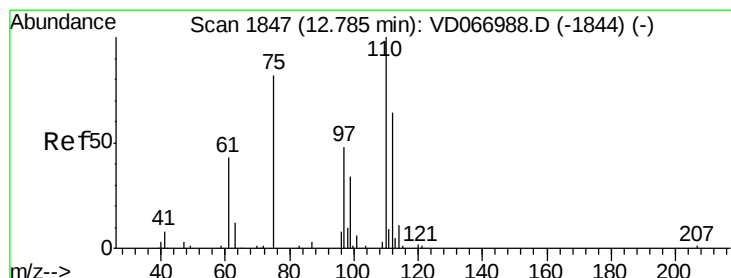
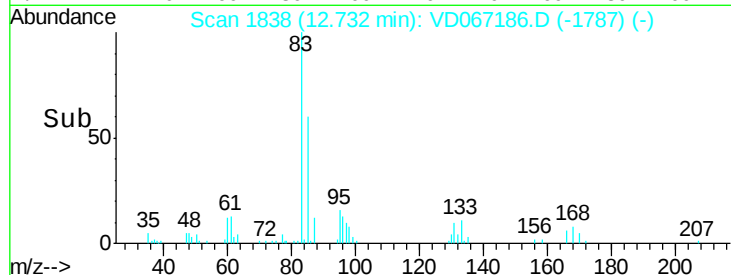
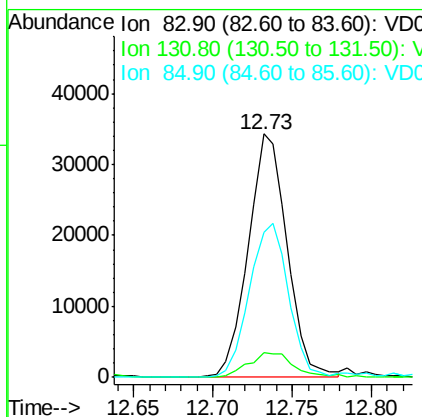
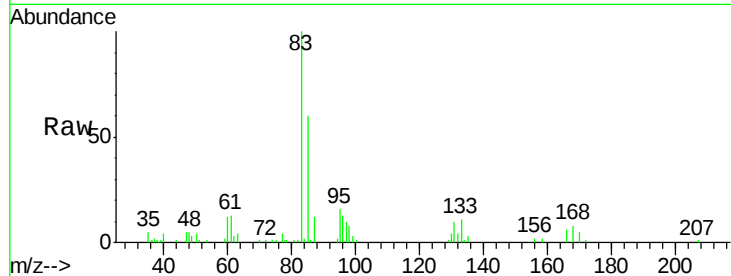
ClientSampleId :

VD1008SBS01

Tot Ion:	83	Resp:	58349
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.7	17.0
85	63.7	32.0	96.2

Manual Integrations
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10/9/2020 4:22:30 PM



#76

1,2,3-Trichloropropane

Concen: 22.831 ug/l m

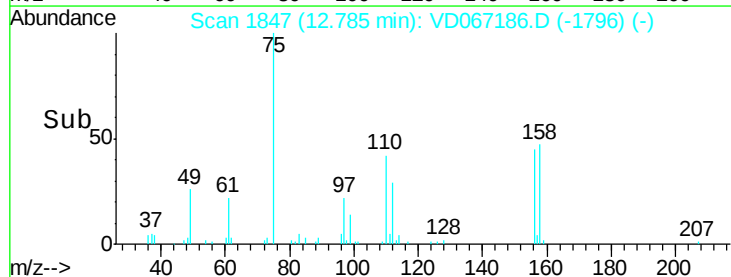
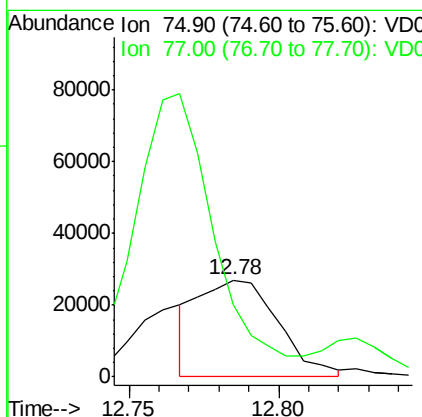
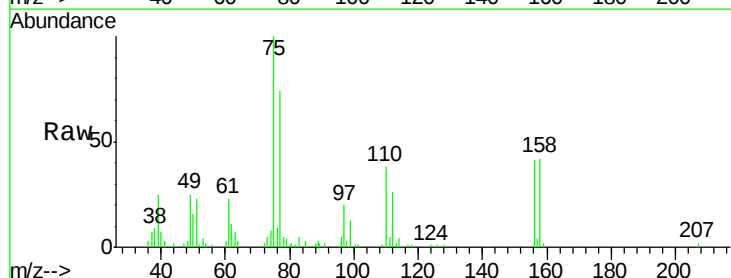
RT: 12.78 min Scan# 1847

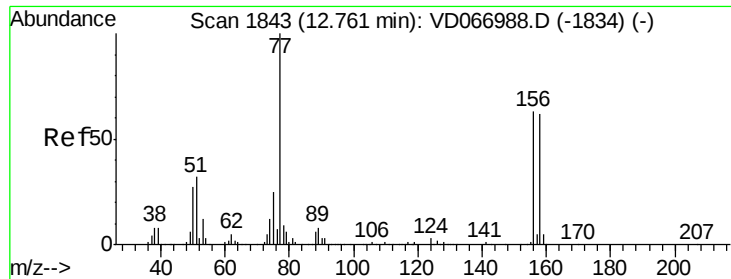
Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Tgt Ion:	75	Resp:	49999
Ion Ratio	Lower	Upper	
75	100		
77	297.2	0.0	0.0#





#77

Bromobenzene

Concen: 22.096 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion:156 Resp: 91086

Ion Ratio Lower Upper

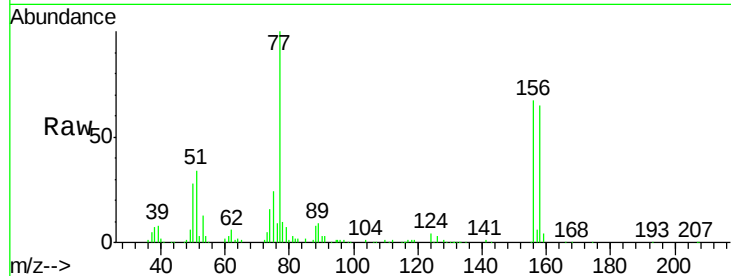
156 100

77 163.2 86.3 258.8

158 98.9 49.5 148.3

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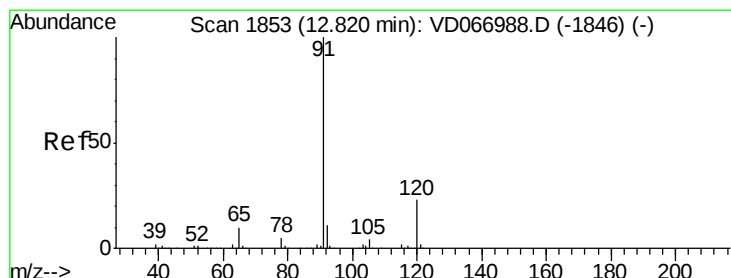
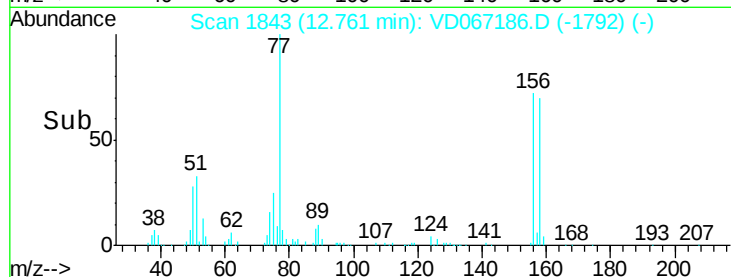
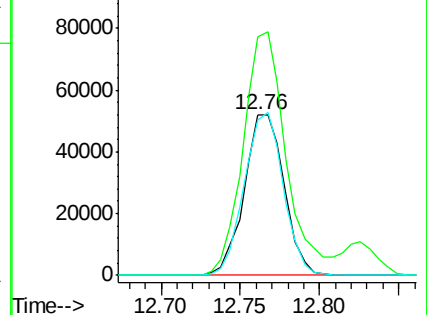
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.122 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067186.D

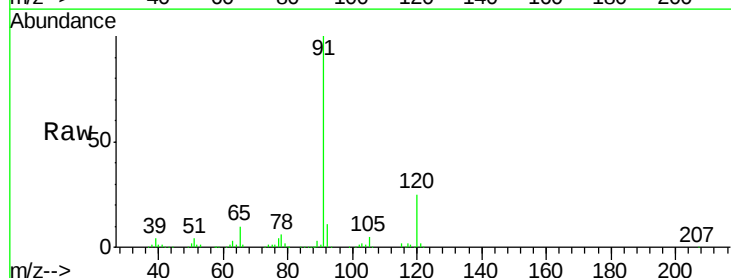
Acq: 08 Oct 2020 11:24

Tgt Ion: 91 Resp: 426171

Ion Ratio Lower Upper

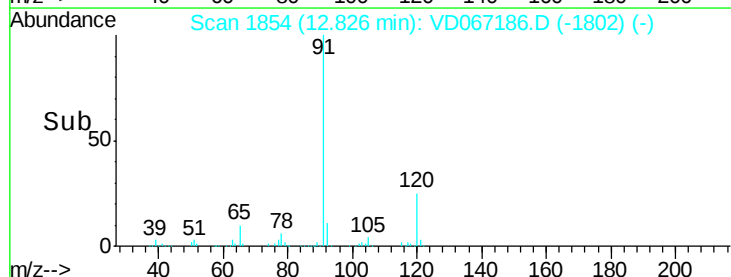
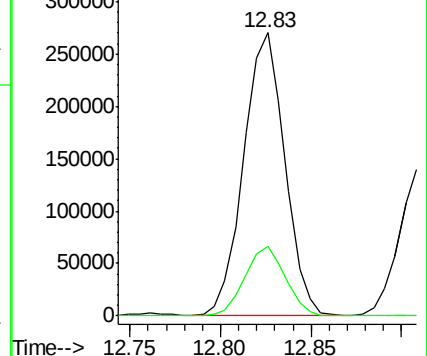
91 100

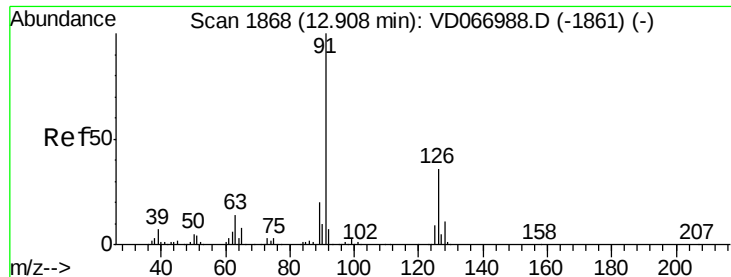
120 24.3 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





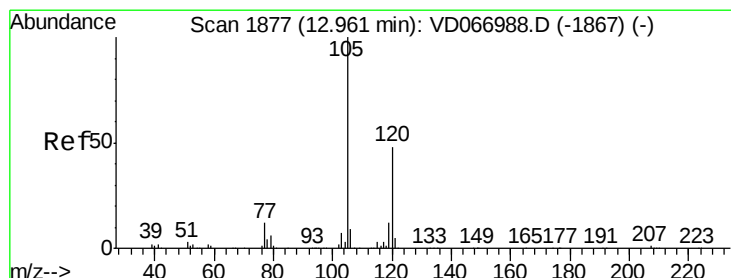
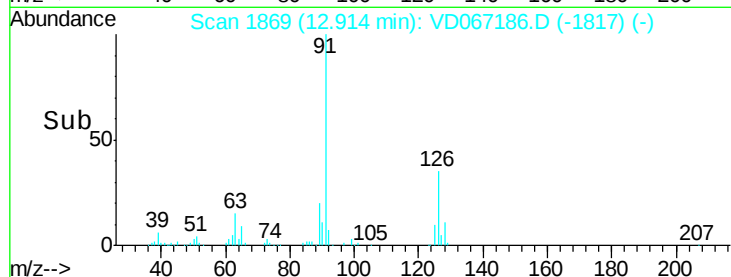
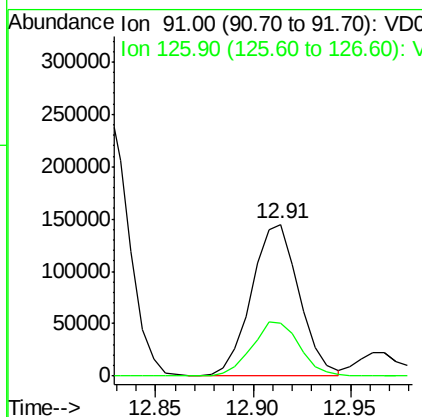
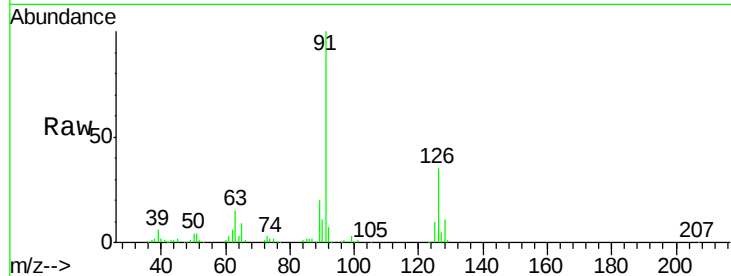
#79
2-Chlorotoluene
Concen: 21.243 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion: 91 Resp: 245221
Ion Ratio Lower Upper
91 100
126 35.7 17.5 52.6

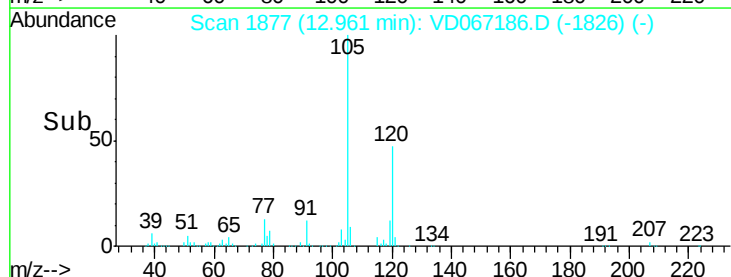
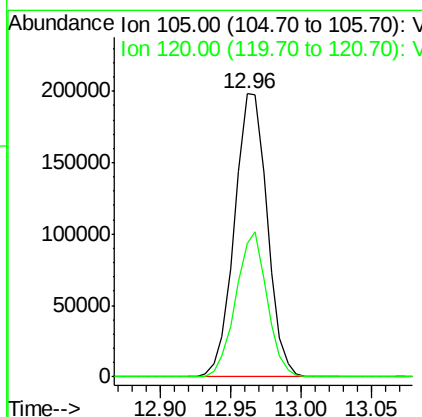
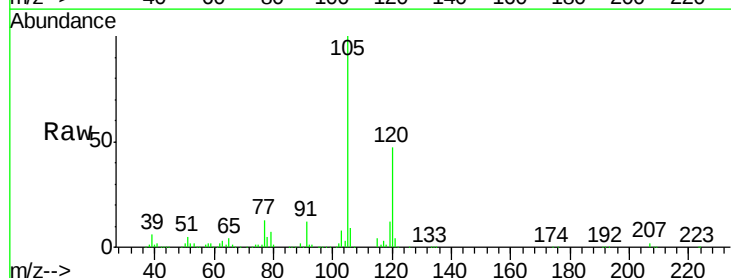
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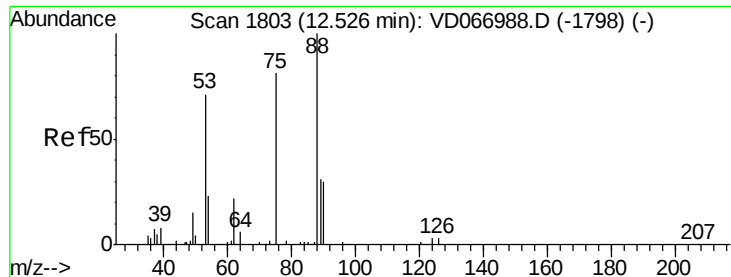
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 22.280 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion: 105 Resp: 321364
Ion Ratio Lower Upper
105 100
120 48.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.667 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

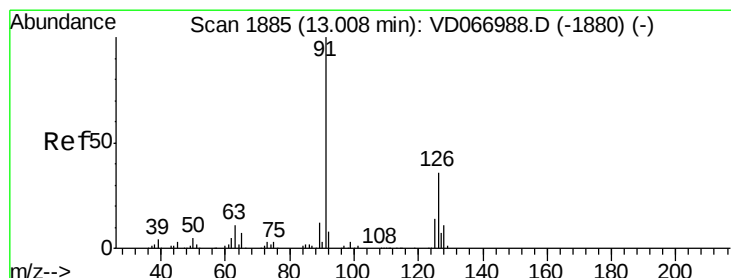
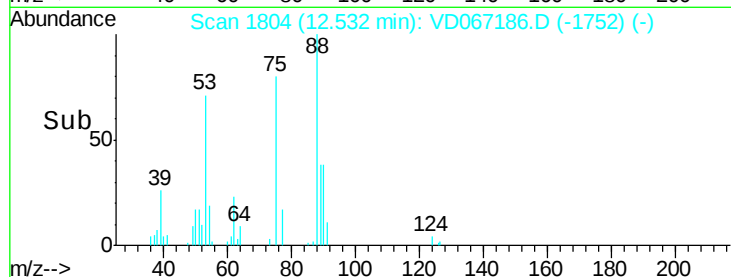
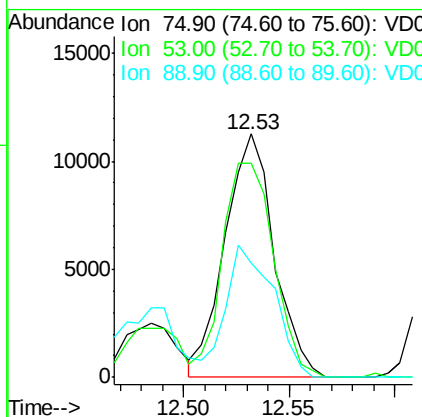
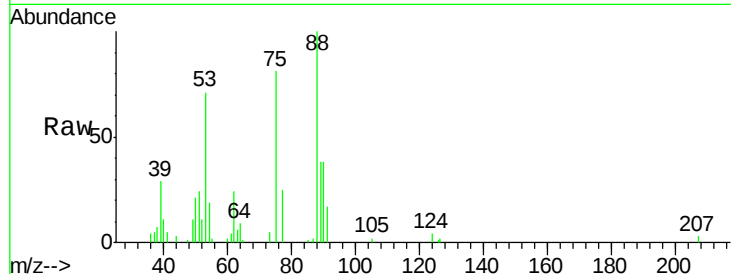
ClientSampleId :

VD1008SBS01

Tot Ion:	75	Resp:	18154
Ion Ratio	Lower	Upper	
75	100		
53	92.3	73.8	110.6
89	52.2	38.9	58.3

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#82

4-Chlorotoluene

Concen: 21.892 ug/l

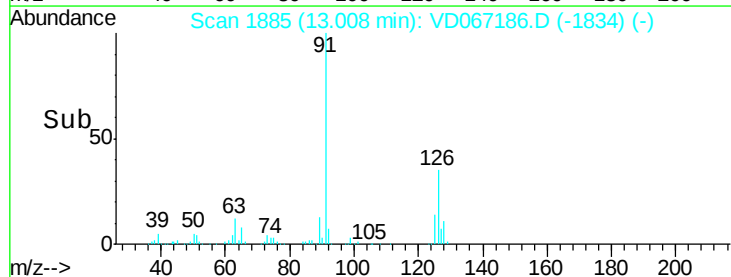
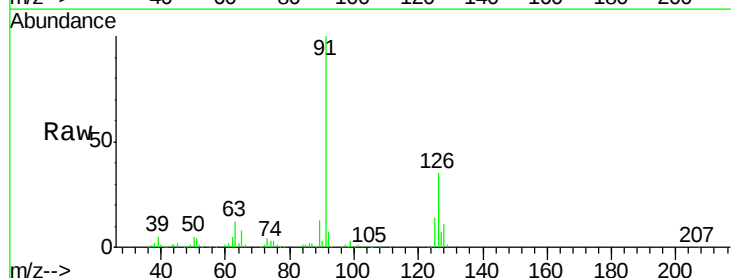
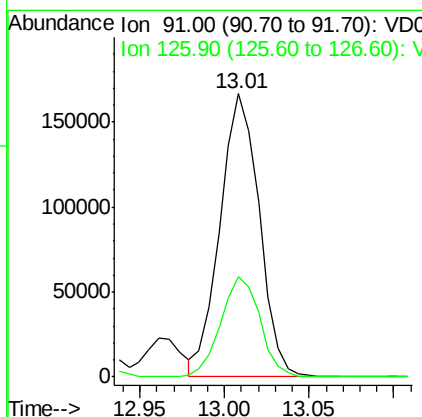
RT: 13.01 min Scan# 1885

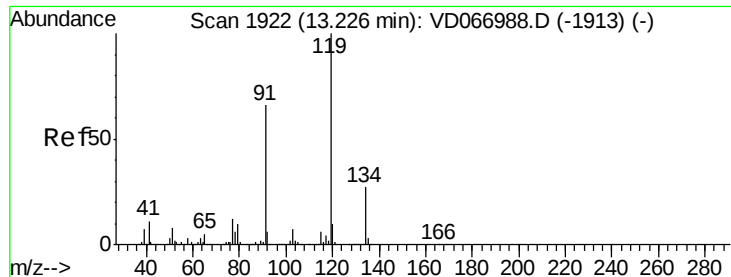
Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Tgt Ion:	91	Resp:	268882
Ion Ratio	Lower	Upper	
91	100		
126	35.4	17.5	52.5





#83

tert-Butylbenzene

Concen: 22.610 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

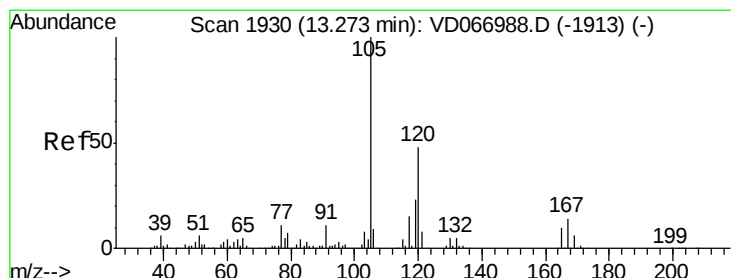
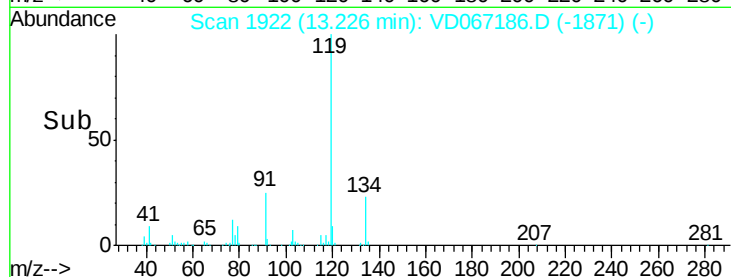
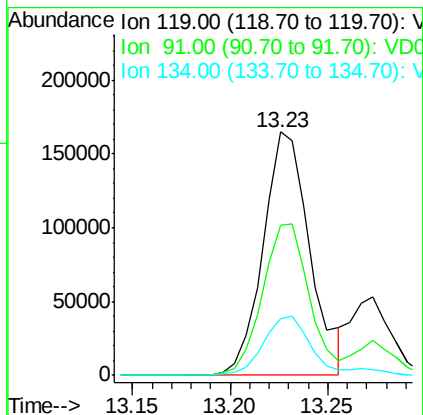
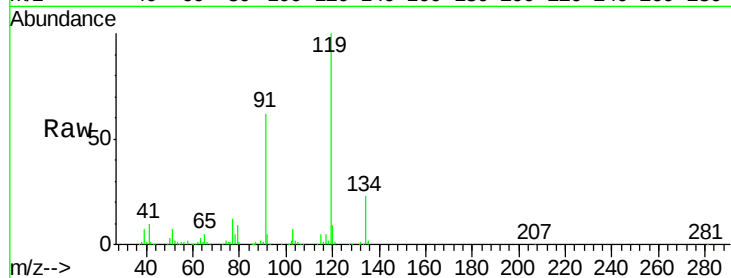
ClientSampleId :

VD1008SBS01

Tot Ion:	119	Resp:	274634
Ion Ratio	Lower	Upper	
119	100		
91	61.9	32.8	98.3
134	25.9	13.9	41.7

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#84

1,2,4-Trimethylbenzene

Concen: 22.062 ug/l

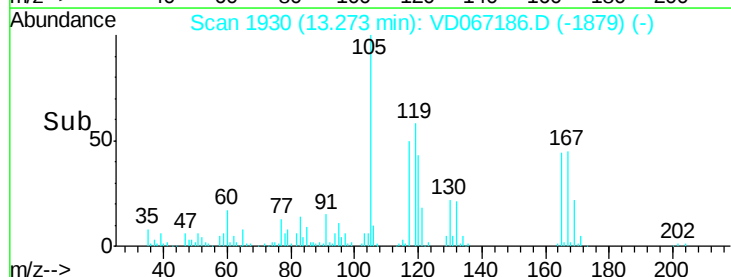
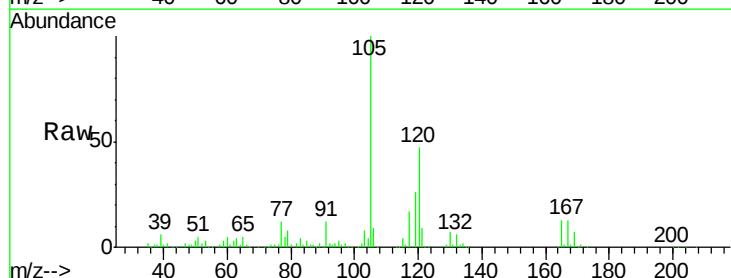
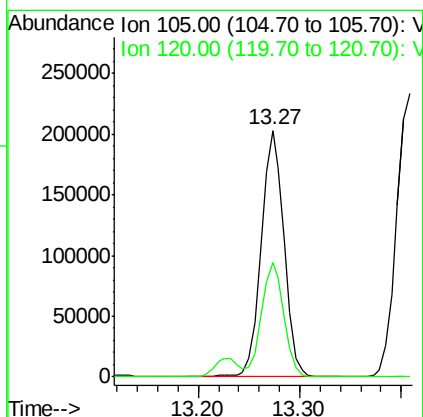
RT: 13.27 min Scan# 1930

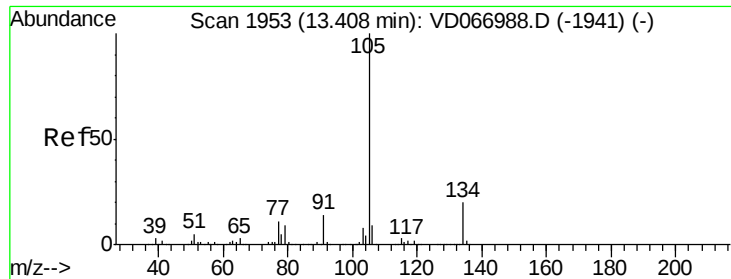
Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Tgt Ion:	105	Resp:	317576
Ion Ratio	Lower	Upper	
105	100		
120	45.5	23.3	69.8





#85

sec-Butylbenzene

Concen: 21.486 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

Instrument :

MSVOA_D

ClientSampleID :

VD1008SBS01

Tot Ion:105 Resp: 367515

Ion Ratio Lower Upper

105 100

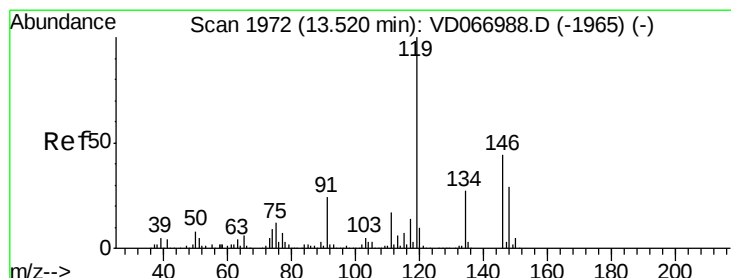
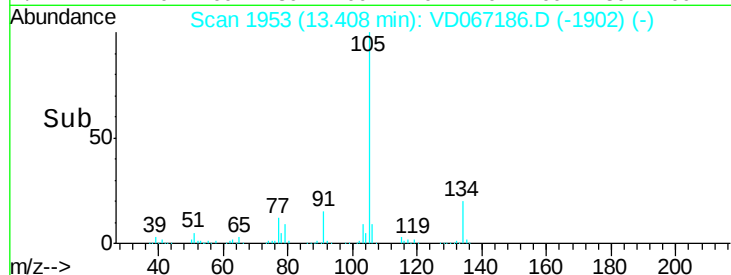
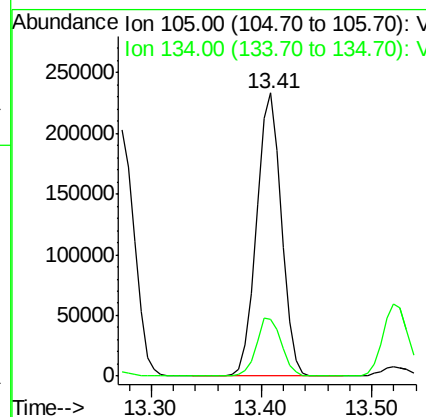
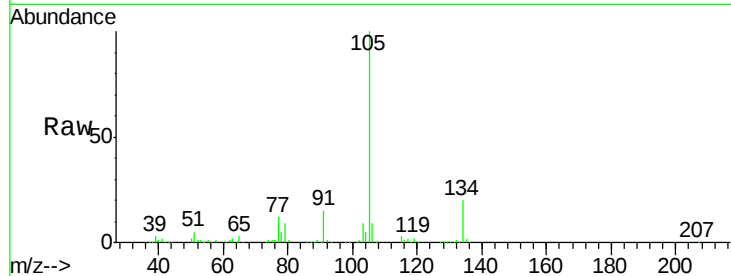
134 21.0 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.950 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067186.D

Acq: 08 Oct 2020 11:24

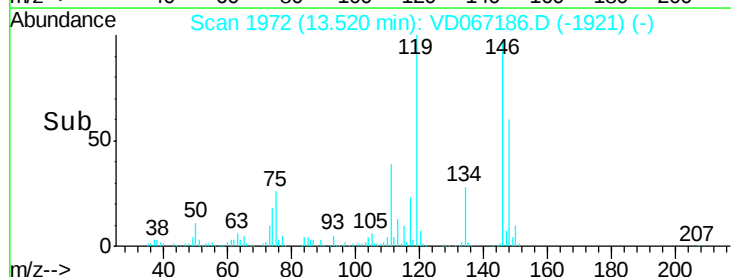
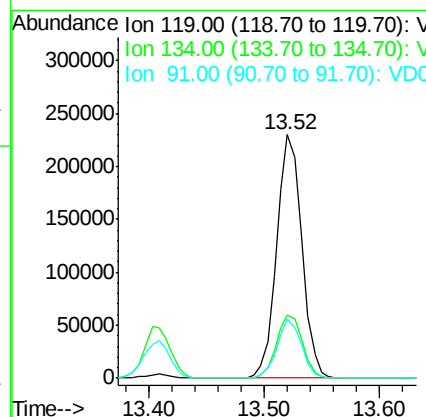
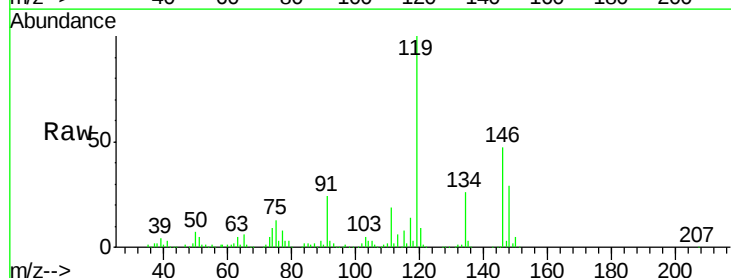
Tgt Ion:119 Resp: 348087

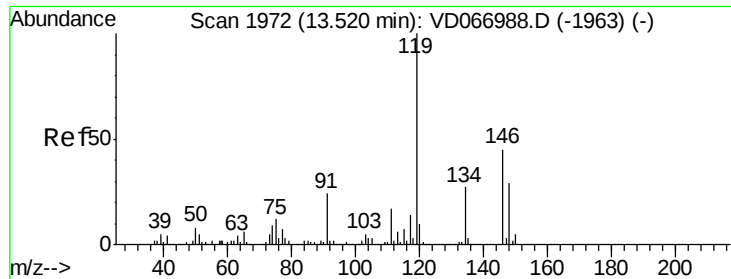
Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.1

91 23.4 11.7 35.1





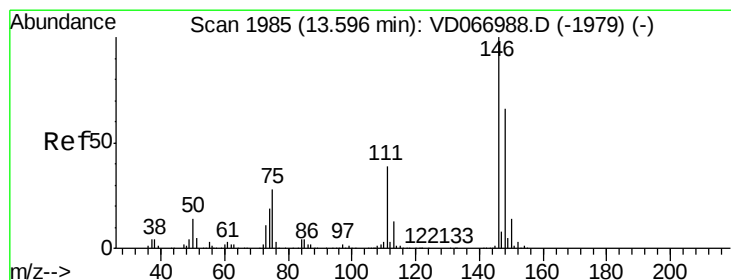
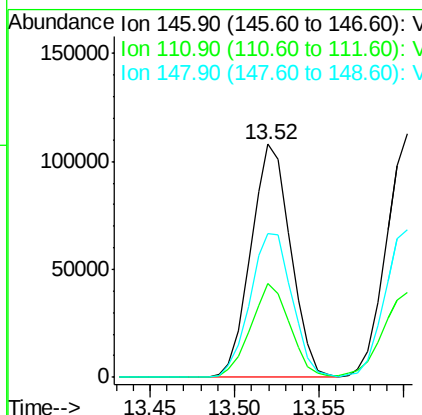
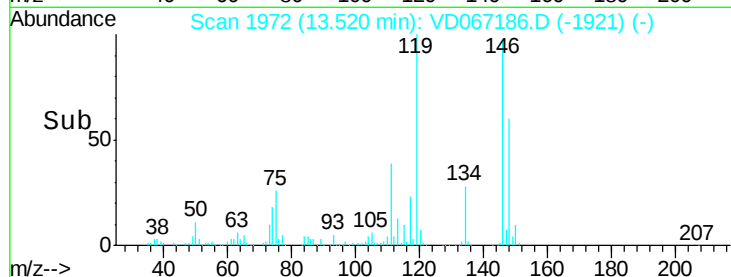
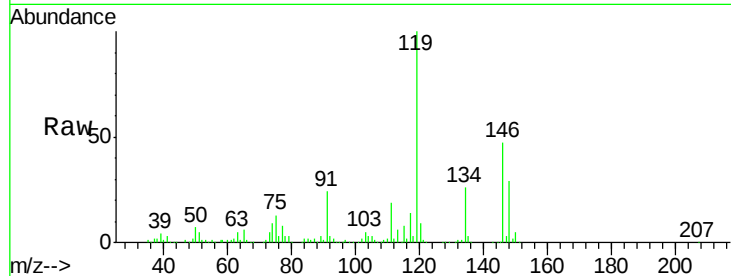
#87
 1,3-Dichlorobenzene
 Concen: 22.081 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067186.D
 Acq: 08 Oct 2020 11:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	64.9	31.9	95.9

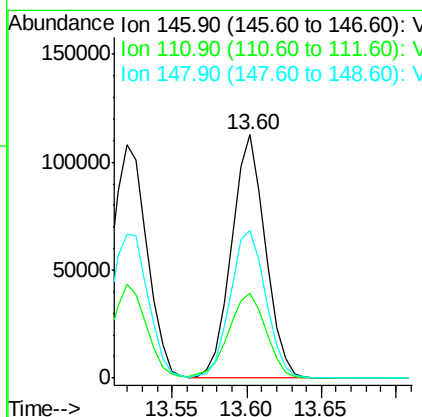
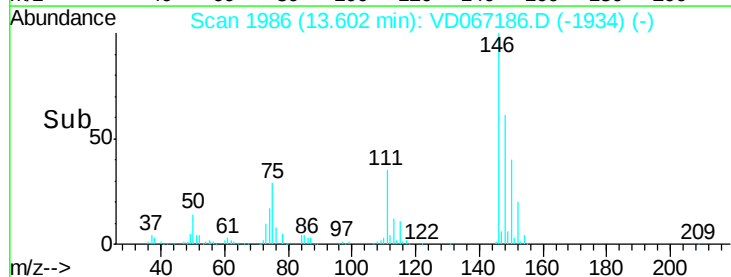
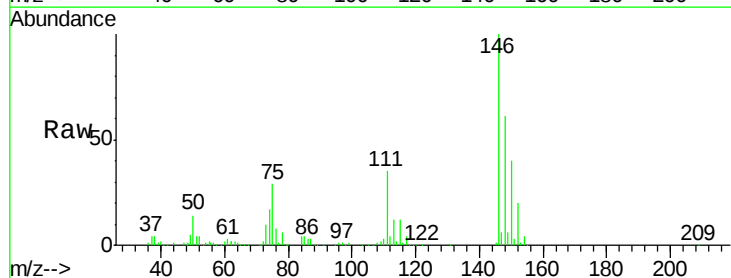
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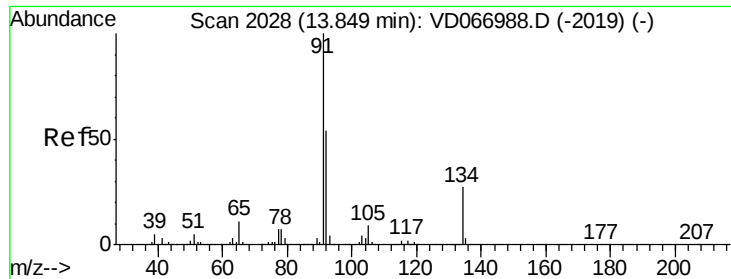
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#88
 1,4-Dichlorobenzene
 Concen: 22.207 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067186.D
 Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.7
148	63.8	32.6	97.7





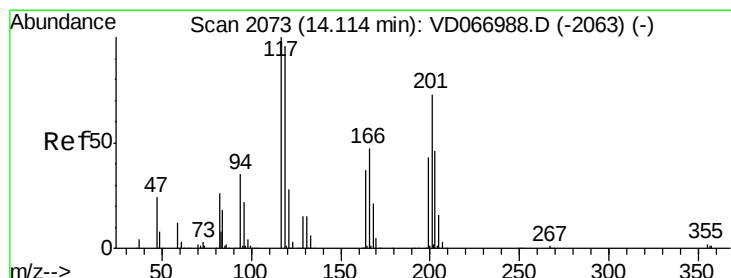
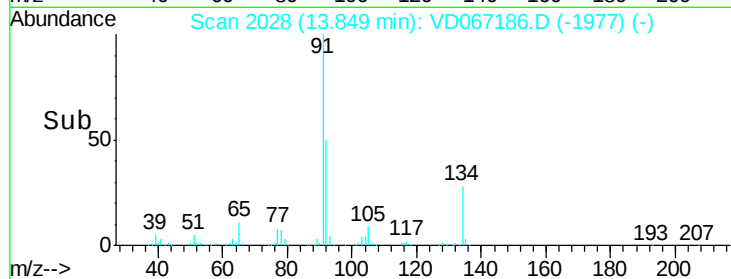
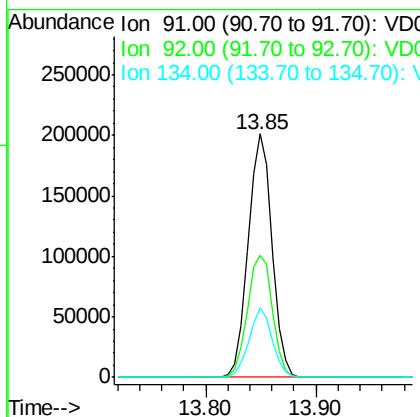
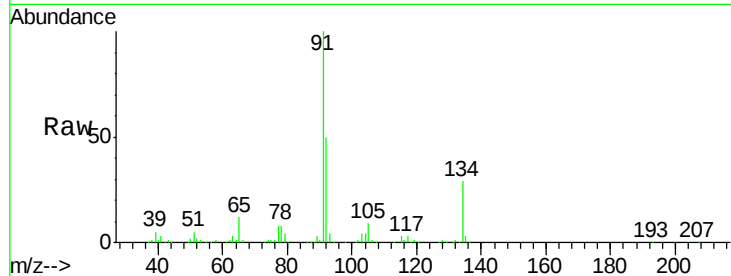
#89
n-Butylbenzene
Concen: 21.050 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.1	81.2
134	28.1	13.6	40.8

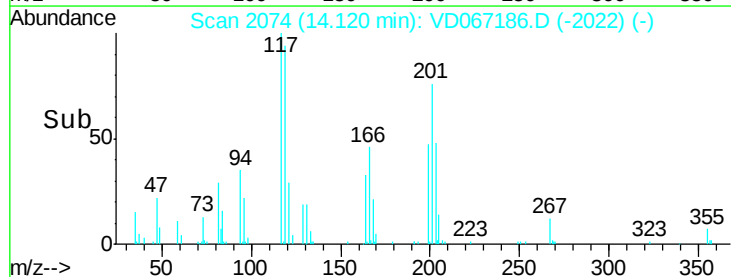
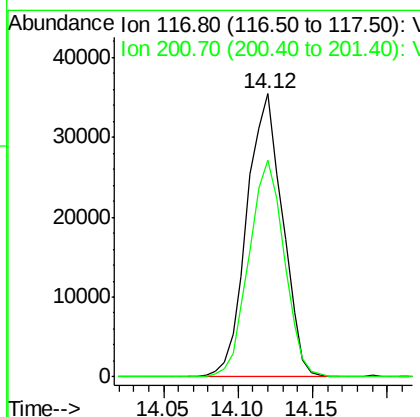
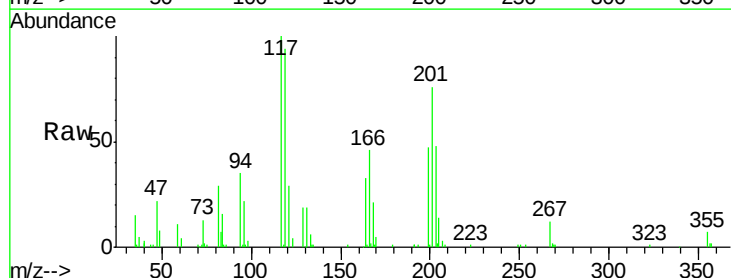
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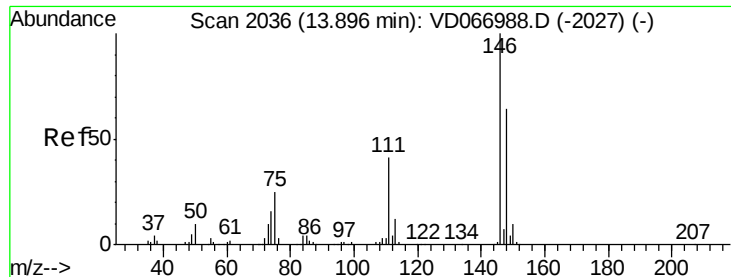
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#90
Hexachloroethane
Concen: 21.126 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.7	37.0	110.9





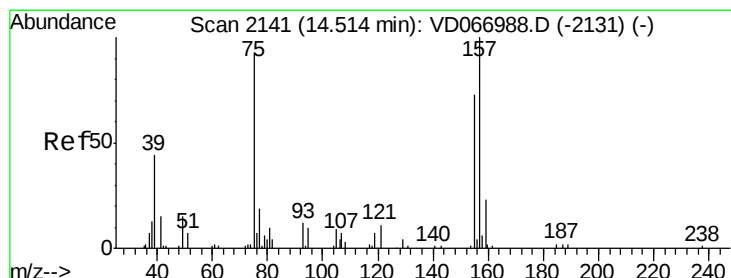
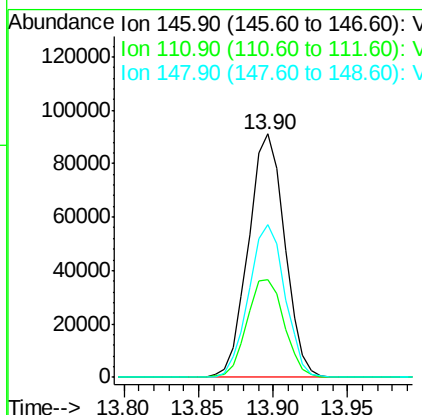
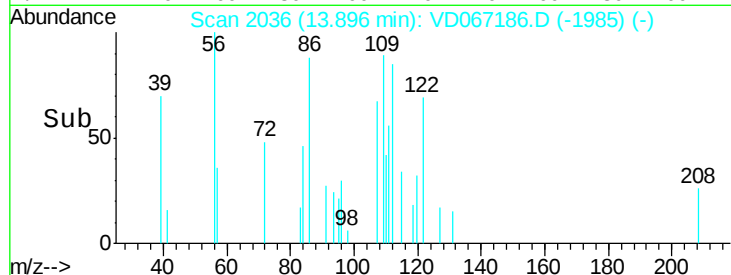
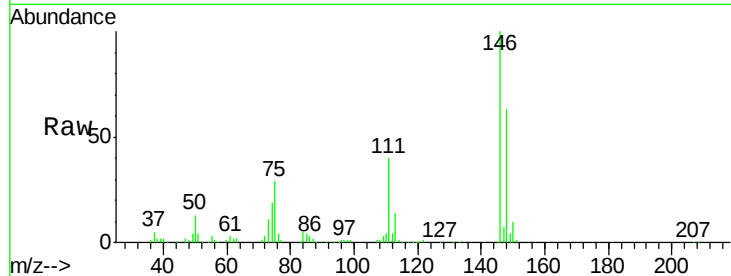
#91
 1,2-Dichlorobenzene
 Concen: 21.841 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067186.D
 Acq: 08 Oct 2020 11:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.7
148	62.5	32.3	96.9

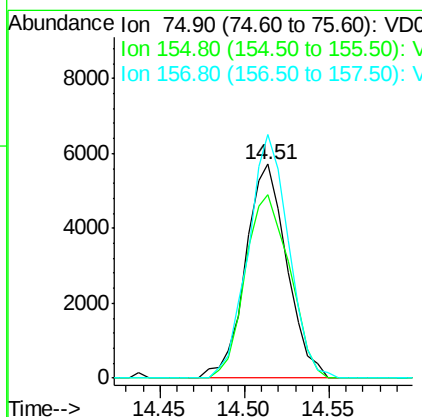
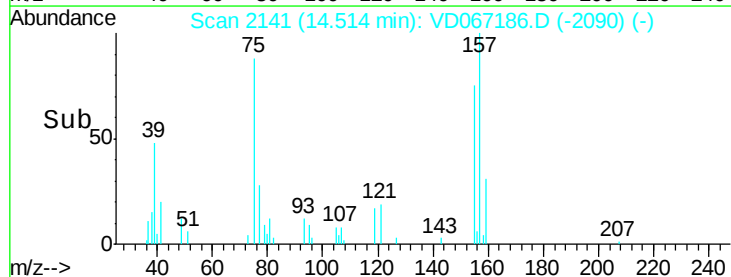
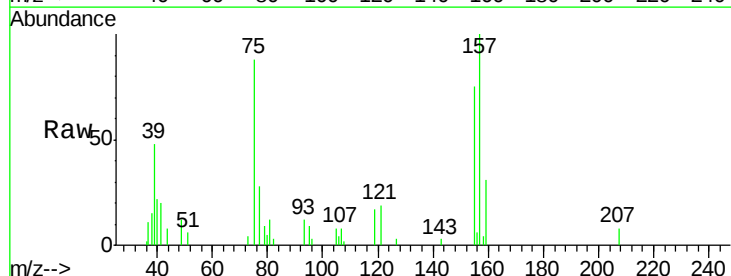
Manual Integrations
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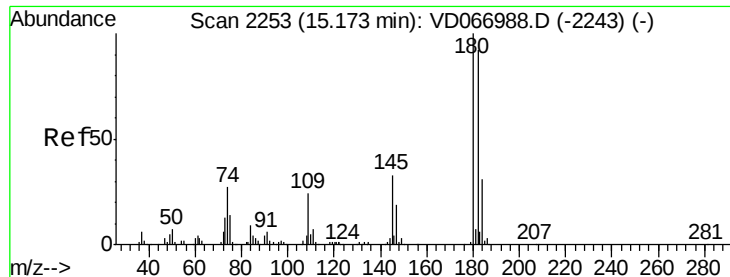
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.978 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067186.D
 Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	45.2	135.6
157	111.4	56.3	168.8





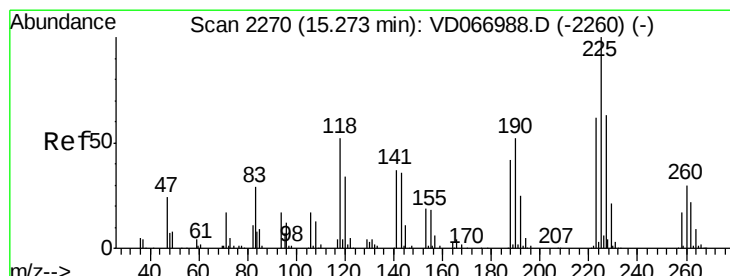
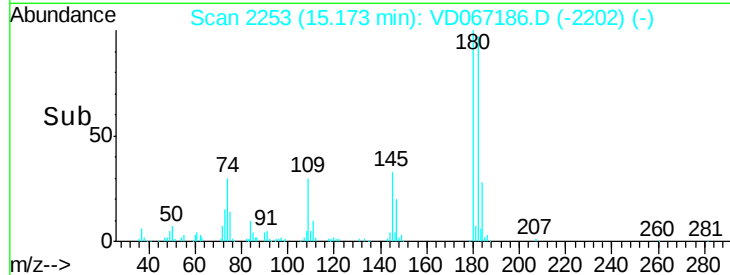
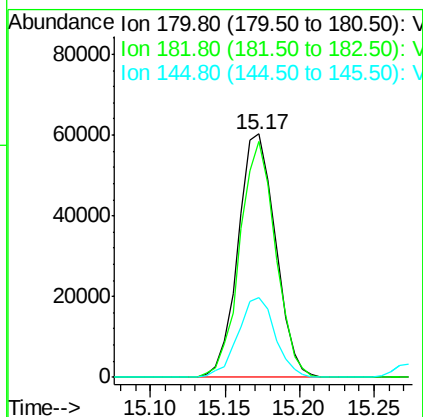
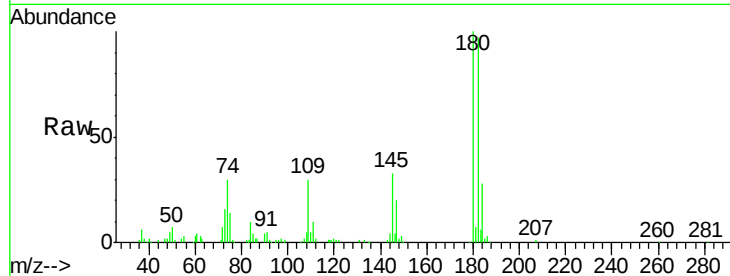
#93
 1,2,4-Trichlorobenzene
 Concen: 23.064 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067186.D
 Acq: 08 Oct 2020 11:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.3	47.3	142.0	
145	32.7	16.4	49.1	

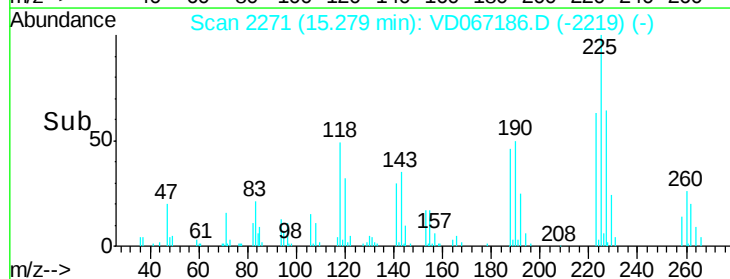
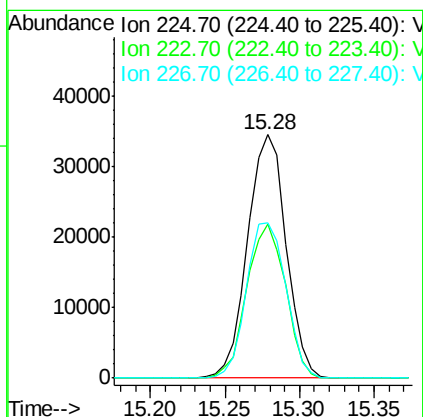
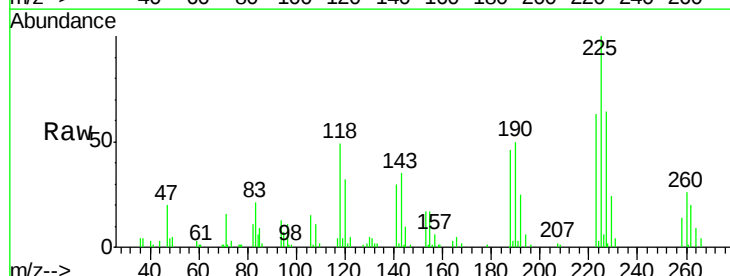
Manual Integrations
 APPROVED

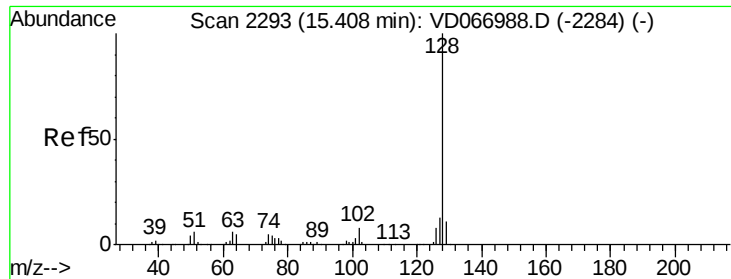
MMDadoda
 10/9/2020 4:22:30 PM



#94
 Hexachlorobutadiene
 Concen: 22.093 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067186.D
 Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	32.4	97.0	
227	65.3	31.6	95.0	





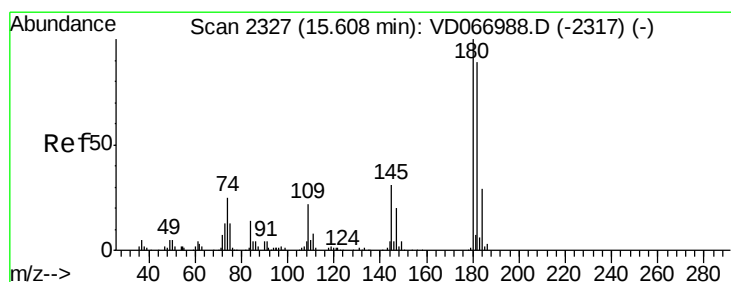
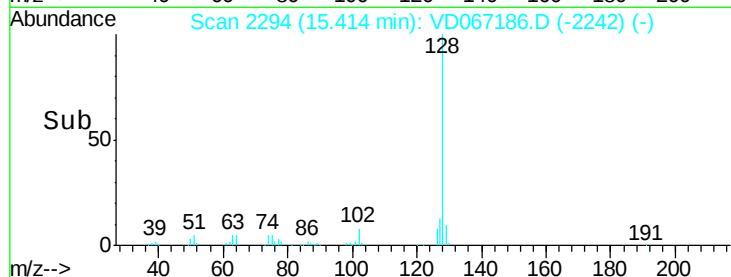
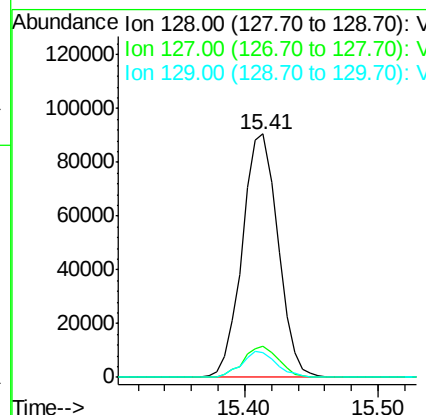
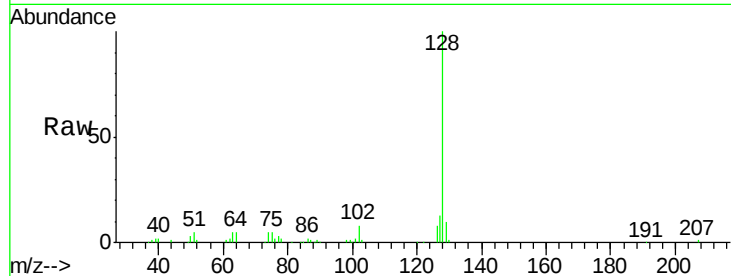
#95
Naphthalene
Concen: 22.177 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:22:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.728 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD067186.D
Acq: 08 Oct 2020 11:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.9	46.4	139.1
145	34.5	16.6	49.7

