

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066041.D
 Acq On : 24 Jul 2020 12:27
 Operator : VA/SY
 Sample : VD0724SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBS01

Manual Integrations
 APPROVED

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 7/27/2020 12:03:48 PM

Quant Time: Jul 25 00:09:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	307464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	441220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	418364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	127143	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	7.92	113	136935	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	10.34	98	521815	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.64	95	184184	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54844	23.504	ug/l	99
3) Chloromethane	2.21	50	42036	22.076	ug/l	97
4) Vinyl Chloride	2.35	62	41374	22.817	ug/l	97
5) Bromomethane	2.76	94	28895	19.609	ug/l	99
6) Chloroethane	2.91	64	24280	22.430	ug/l	94
7) Trichlorofluoromethane	3.27	101	100525	22.791	ug/l	97
8) Diethyl Ether	3.70	74	24727	20.282	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58582	21.997	ug/l	99
10) Methyl Iodide	4.30	142	59574	27.054	ug/l	93
11) Tert butyl alcohol	5.21	59	19972	111.905	ug/l #	95
12) 1,1-Dichloroethene	4.06	96	54485	21.433	ug/l	93
13) Acrolein	3.91	56	16860	79.988	ug/l	99
14) Allyl chloride	4.71	41	80801	20.333	ug/l	92
15) Acrylonitrile	5.42	53	54061	103.795	ug/l	99
16) Acetone	4.16	43	47518	93.835	ug/l	99
17) Carbon Disulfide	4.41	76	171618	20.812	ug/l	98
18) Methyl Acetate	4.71	43	23717	20.133	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	115736	22.158	ug/l	99
20) Methylene Chloride	4.96	84	76430	25.864	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	61219	21.307	ug/l	92
22) Diisopropyl ether	6.36	45	162924	21.581	ug/l	98
23) Vinyl Acetate	6.31	43	449678	105.615	ug/l	98
24) 1,1-Dichloroethane	6.27	63	101525	22.194	ug/l	98
25) 2-Butanone	7.21	43	63583	94.624	ug/l	98
26) 2,2-Dichloropropane	7.21	77	93458	22.720	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	66556	21.879	ug/l	97
28) Bromochloromethane	7.54	49	39029	20.103	ug/l	94
29) Tetrahydrofuran	7.56	42	40155	96.853	ug/l	95
30) Chloroform	7.71	83	106486	22.254	ug/l	97
31) Cyclohexane	7.99	56	92849	20.632	ug/l	91
32) 1,1,1-Trichloroethane	7.91	97	99697	22.525	ug/l	98
36) 1,1-Dichloropropene	8.11	75	82139	21.813	ug/l	99
37) Ethyl Acetate	7.30	43	30072	20.911	ug/l #	95
38) Carbon Tetrachloride	8.10	117	96484	23.614	ug/l	97

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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	101146	22.180	ug/l	96
40) Benzene	8.35	78	235786	22.382	ug/l	98
41) Methacrylonitrile	7.53	41	14728m	17.878	ug/l	
42) 1,2-Dichloroethane	8.43	62	65173	22.576	ug/l	99
43) Isopropyl Acetate	8.46	43	59165	21.064	ug/l	98
44) Trichloroethene	9.11	130	71929	22.563	ug/l	90
45) 1,2-Dichloropropane	9.39	63	55993	21.945	ug/l	97
46) Dibromomethane	9.48	93	31650	23.043	ug/l	98
47) Bromodichloromethane	9.66	83	83204	22.910	ug/l	98
48) Methyl methacrylate	9.46	41	31756	22.414	ug/l	99
49) 1,4-Dioxane	9.47	88	5948	373.781	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	149727	105.798	ug/l	97
52) Toluene	10.41	92	157489	22.923	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	77959	23.041	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	94352	23.005	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	45255	23.231	ug/l	93
56) Ethyl methacrylate	10.67	69	49161	21.706	ug/l	95
57) 1,3-Dichloropropane	10.95	76	74989	23.254	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	117418	108.526	ug/l	99
59) 2-Hexanone	10.99	43	102806	104.826	ug/l	97
60) Dibromochloromethane	11.14	129	58930	22.436	ug/l	95
61) 1,2-Dibromoethane	11.25	107	42720	22.745	ug/l	98
64) Tetrachloroethene	10.88	164	64010	22.542	ug/l	95
65) Chlorobenzene	11.67	112	173447	22.643	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	67898	24.006	ug/l	97
67) Ethyl Benzene	11.75	91	302907	22.978	ug/l	99
68) m/p-Xylenes	11.86	106	236943	46.765	ug/l	99
69) o-Xylene	12.18	106	106741	23.162	ug/l	98
70) Styrene	12.20	104	188839	23.850	ug/l	100
71) Bromoform	12.36	173	37903	22.878	ug/l #	97
73) Isopropylbenzene	12.48	105	304592	22.806	ug/l	97
74) N-amyl acetate	12.30	43	55959	20.208	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	45627	20.672	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	27362m	16.464	ug/l	
77) Bromobenzene	12.77	156	76136	22.306	ug/l	96
78) n-propylbenzene	12.83	91	353479	22.808	ug/l	98
79) 2-Chlorotoluene	12.91	91	195705	22.103	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	253072	23.063	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14828	20.473	ug/l #	94
82) 4-Chlorotoluene	13.01	91	209487	22.415	ug/l	98
83) tert-Butylbenzene	13.23	119	218306	22.736	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	251710	23.251	ug/l	100
85) sec-Butylbenzene	13.41	105	302672	22.885	ug/l	100
86) p-Isopropyltoluene	13.52	119	286459	23.841	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	147305	23.245	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	147969	23.097	ug/l	99
89) n-Butylbenzene	13.85	91	255189	22.841	ug/l	99
90) Hexachloroethane	14.12	117	55370	22.261	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	127530	23.224	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8746	24.177	ug/l	88

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ALS Vial : 5 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :
VD0724SBSD01

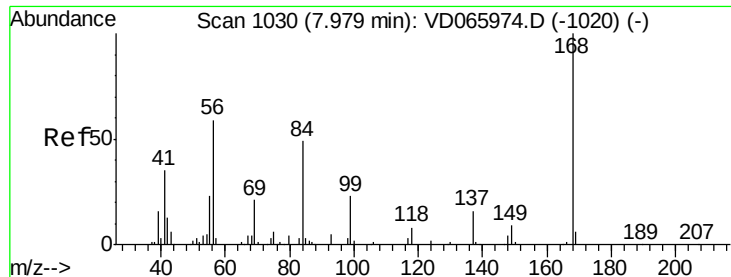
Manual Integrations
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Quant Time: Jul 25 00:09:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	92938	23.578	ug/l	97
94) Hexachlorobutadiene	15.27	225	56064	23.007	ug/l	98
95) Naphthalene	15.41	128	139046	21.977	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	79853	23.304	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBS01

Tot Ion:168 Resp: 307464

Ion Ratio Lower Upper

168 100

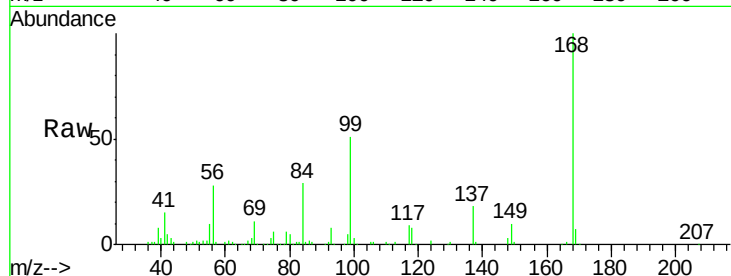
99 51.0 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

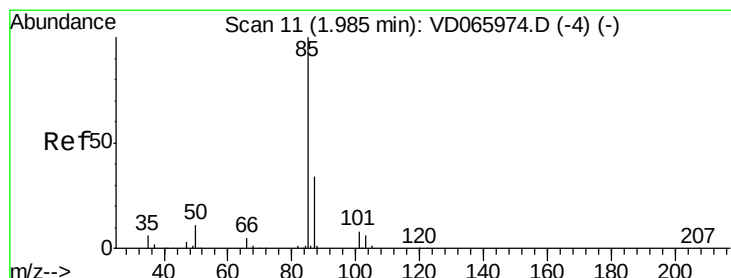
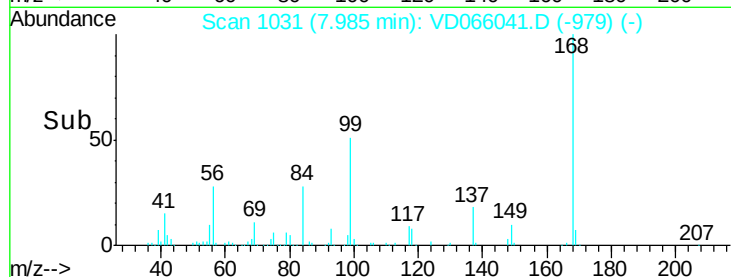
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.504 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066041.D

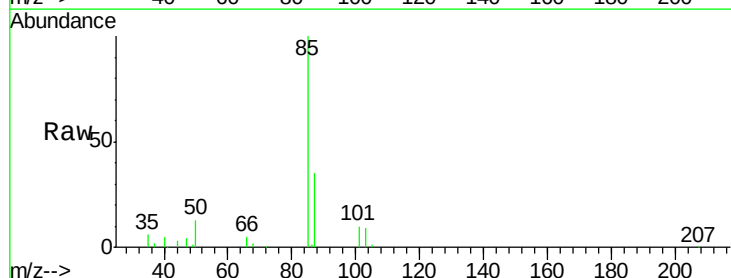
Acq: 24 Jul 2020 12:27

Tgt Ion: 85 Resp: 54844

Ion Ratio Lower Upper

85 100

87 35.1 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

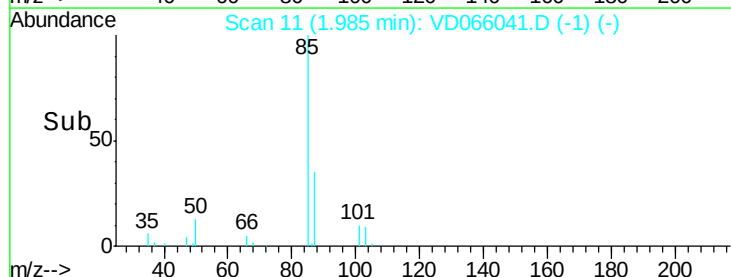
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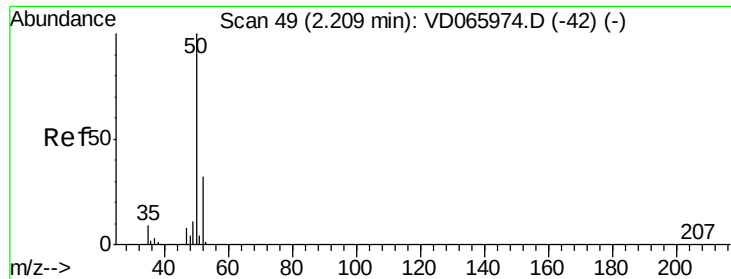
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.076 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBS01

Tot Ion: 50 Resp: 42036

Ion Ratio Lower Upper

50 100

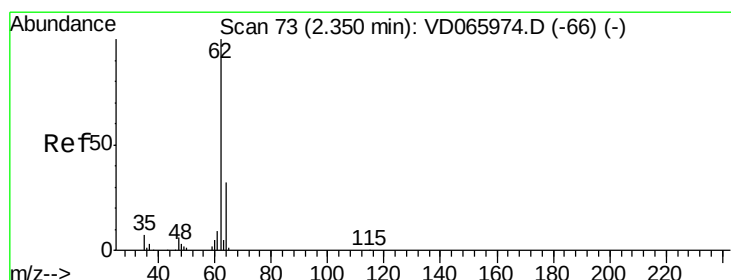
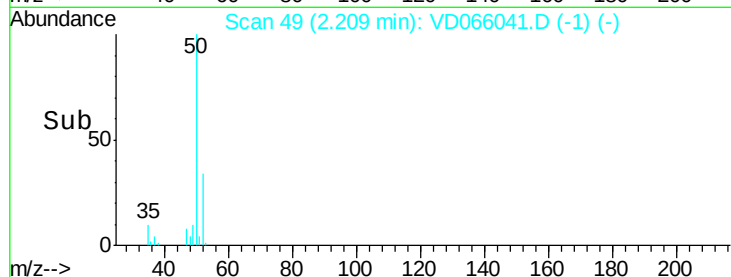
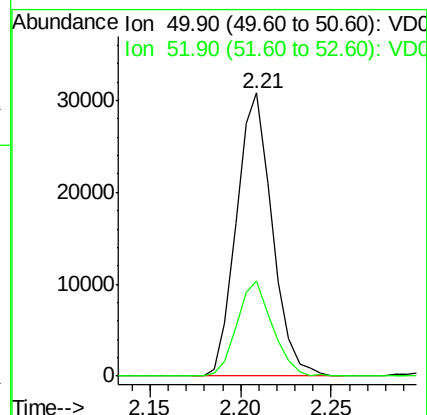
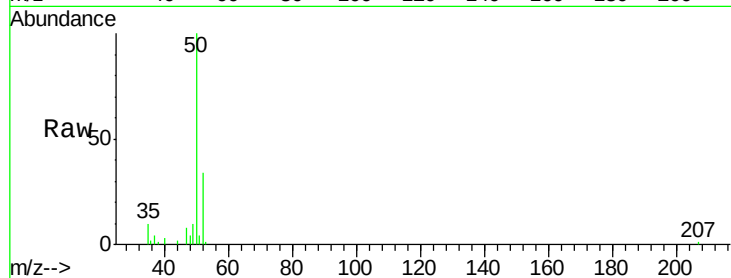
52 33.8 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.817 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066041.D

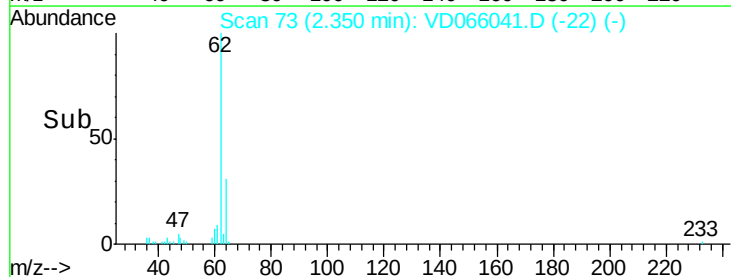
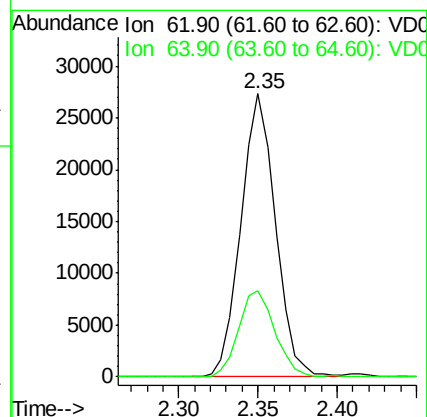
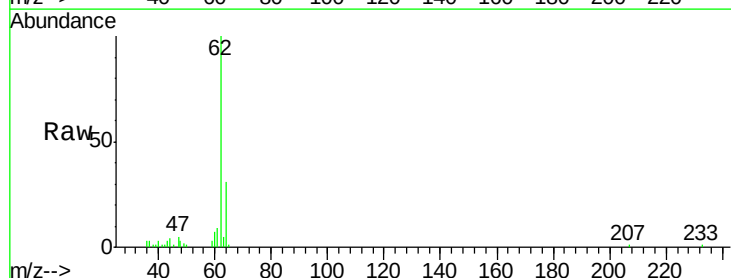
Acq: 24 Jul 2020 12:27

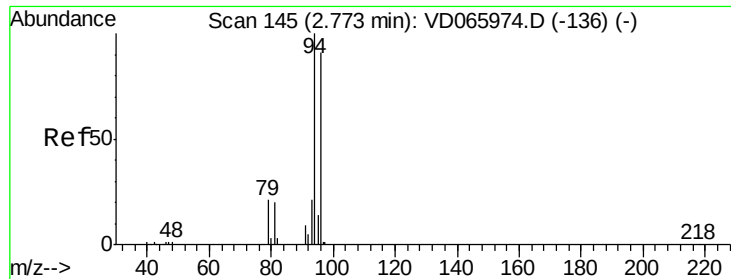
Tgt Ion: 62 Resp: 41374

Ion Ratio Lower Upper

62 100

64 30.7 25.8 38.8





#5

Bromomethane

Concen: 19.609 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBS01

Tot Ion: 94 Resp: 28895

Ion Ratio Lower Upper

94 100

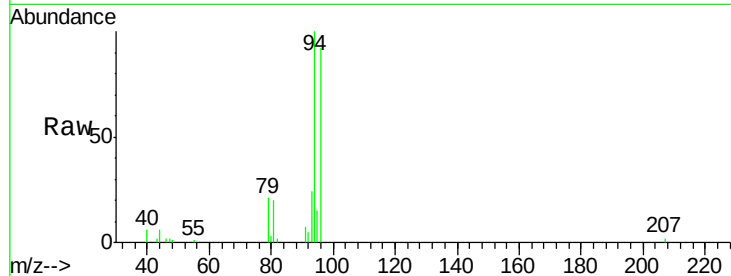
96 91.9 73.0 109.4

Manual Integrations

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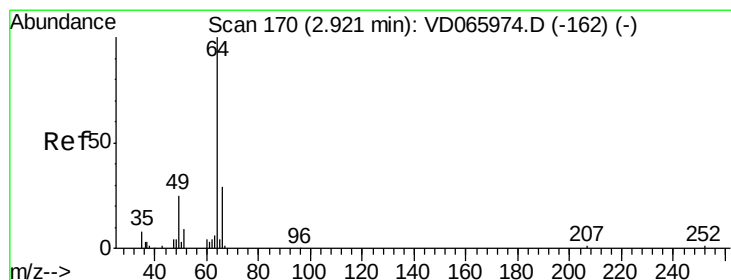
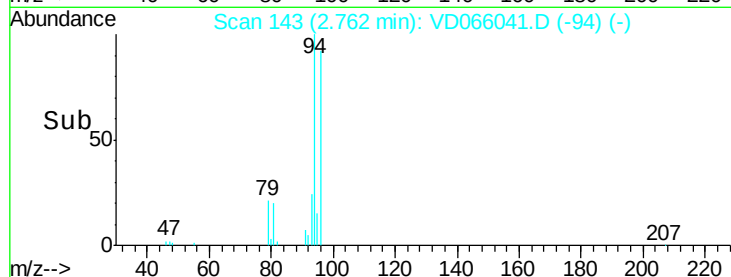
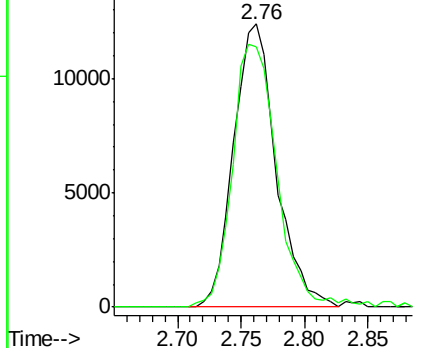
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.430 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066041.D

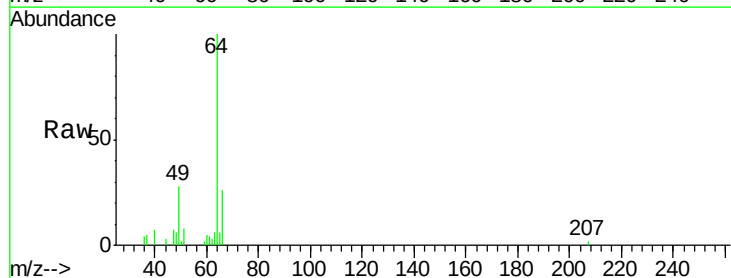
Acq: 24 Jul 2020 12:27

Tgt Ion: 64 Resp: 24280

Ion Ratio Lower Upper

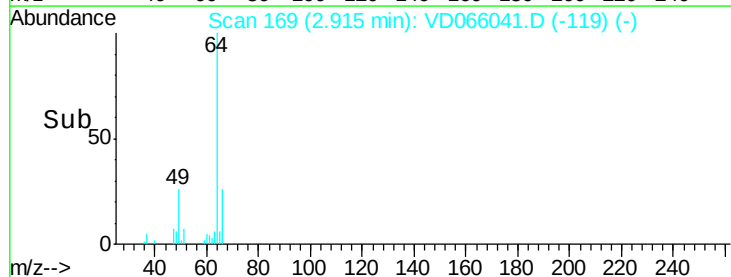
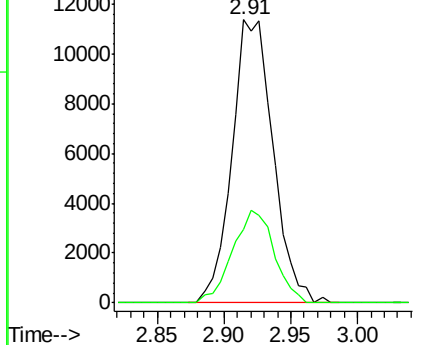
64 100

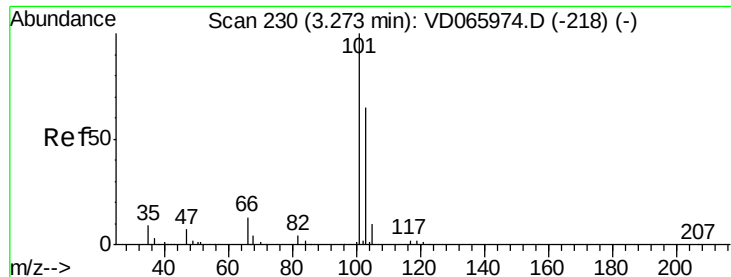
66 26.0 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

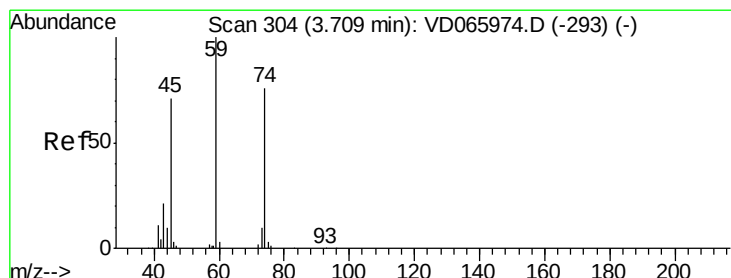
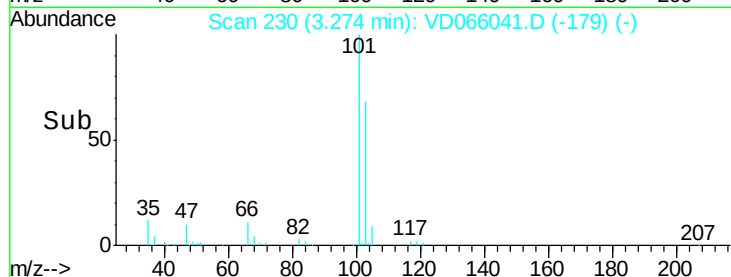
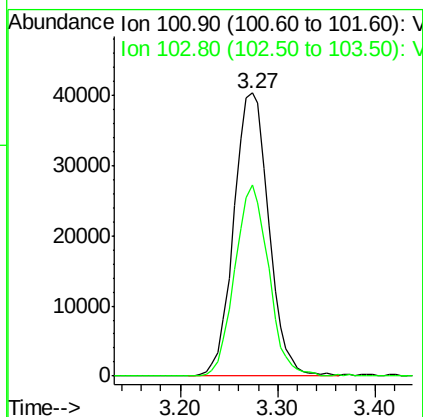
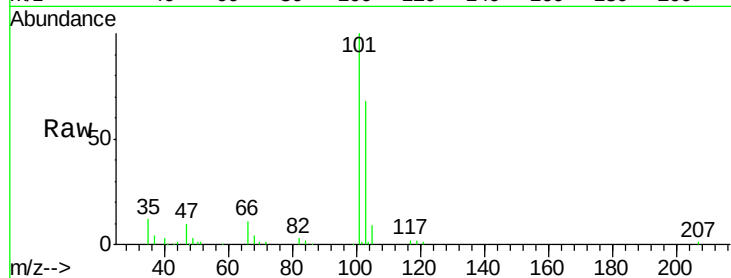
Trichlorofluoromethane
Concen: 22.791 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0724SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	52.1	78.1

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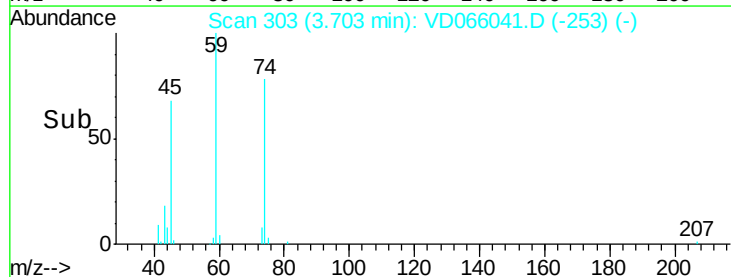
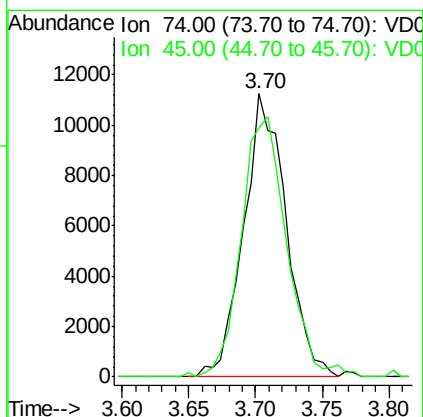
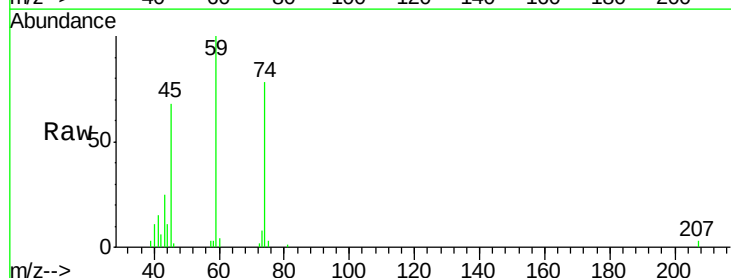
MMDadoda
7/27/2020 12:03:48 PM

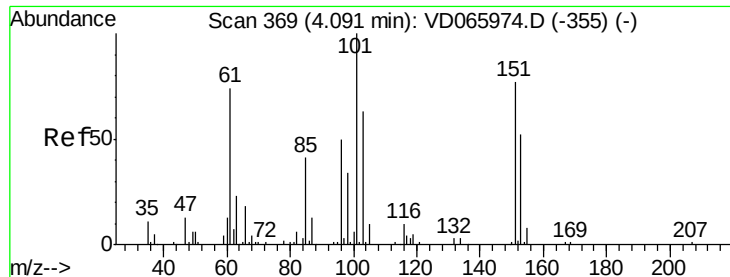


#8

Diethyl Ether
Concen: 20.282 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.997 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

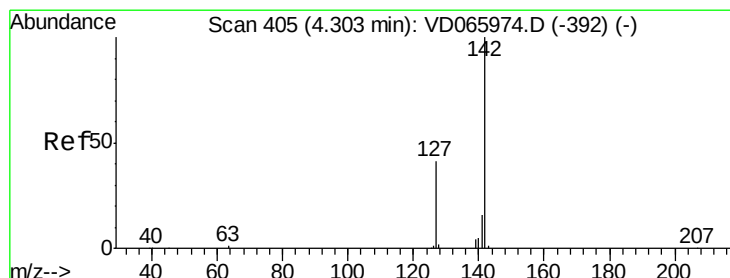
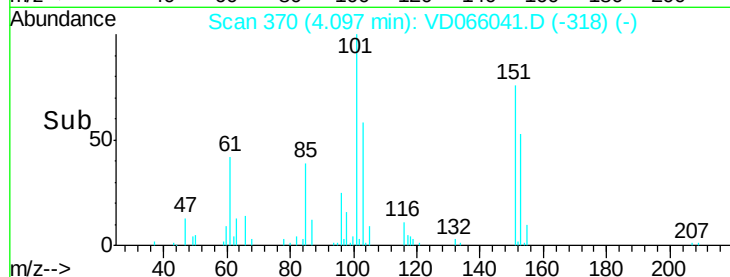
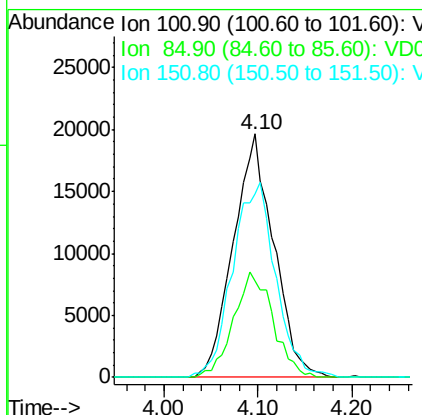
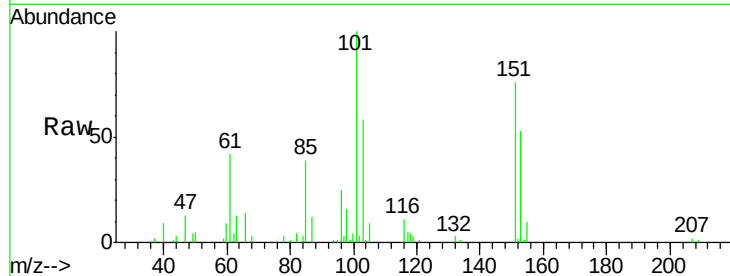
ClientSampleId :

VD0724SBS01

Tot Ion:	101	Resp:	58582
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.6	50.4
151	85.0	66.6	99.8

Manual Integrations
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#10

Methyl Iodide

Concen: 27.054 ug/l

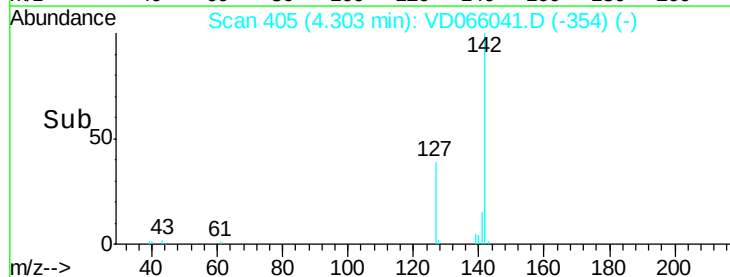
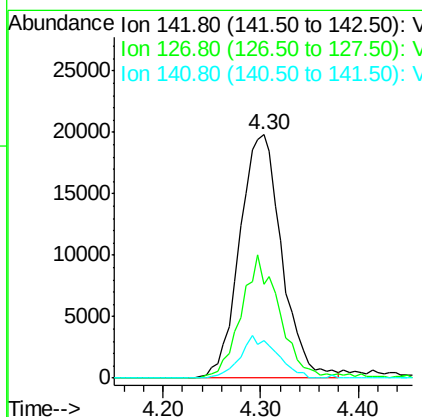
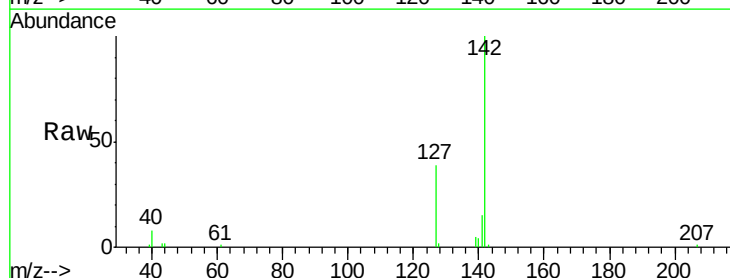
RT: 4.30 min Scan# 405

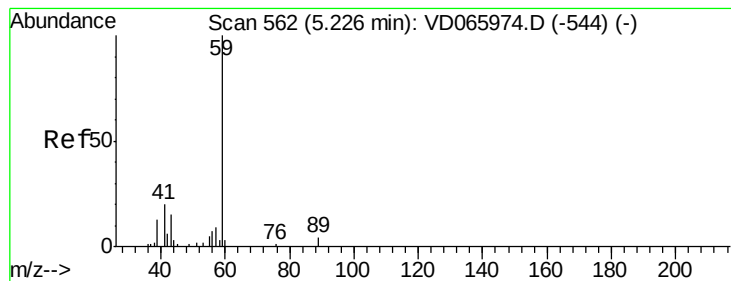
Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Tgt Ion:	142	Resp:	59574
Ion Ratio	Lower	Upper	
142	100		
127	46.5	32.9	49.3
141	15.2	11.8	17.6





#11

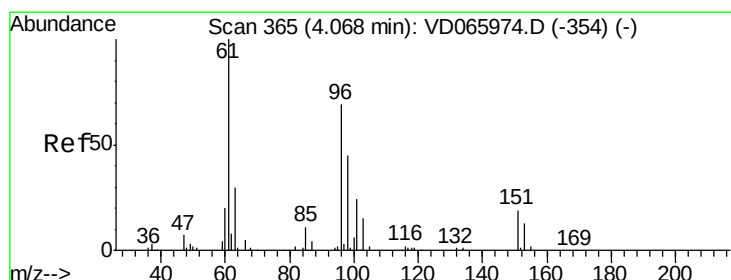
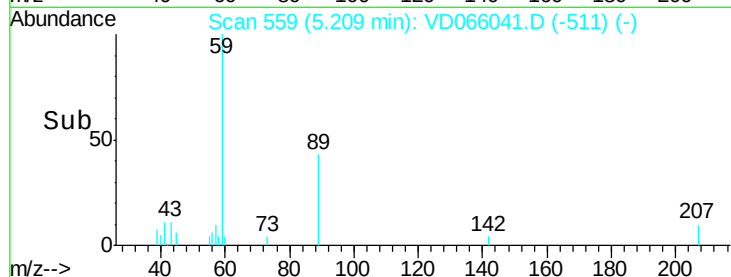
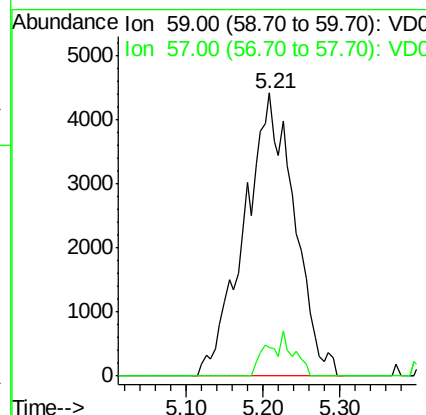
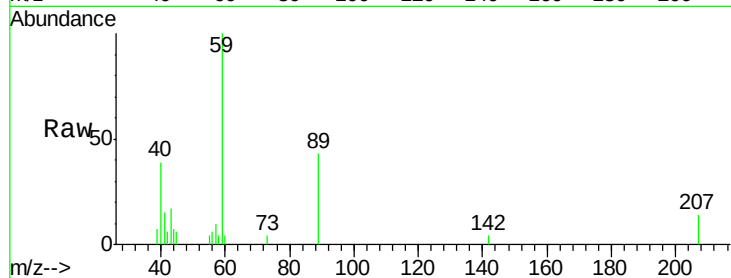
Tert butyl alcohol
Concen: 111.905 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0724SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.0	4.5	6.7#

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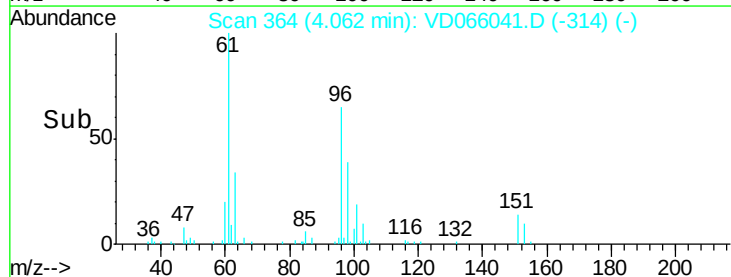
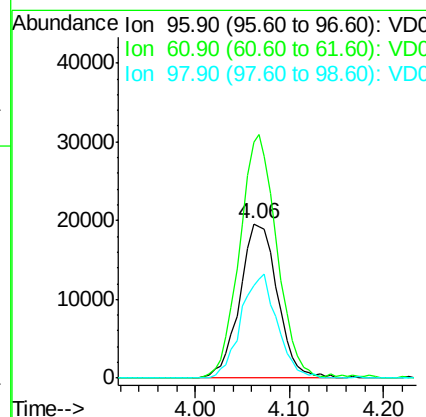
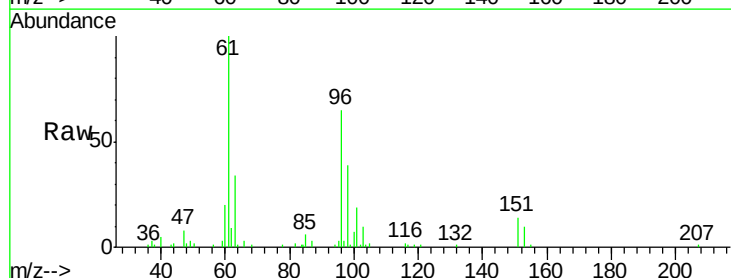
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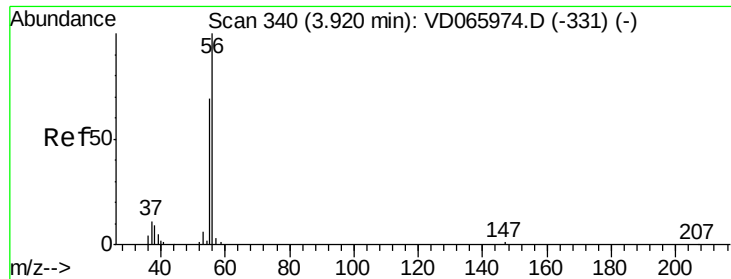


#12

1,1-Dichloroethene
Concen: 21.433 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.1	115.4	173.0
98	59.6	51.5	77.3





#13

Acrolein

Concen: 79.988 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBS01

Tot Ion: 56 Resp: 16860

Ion Ratio Lower Upper

56 100

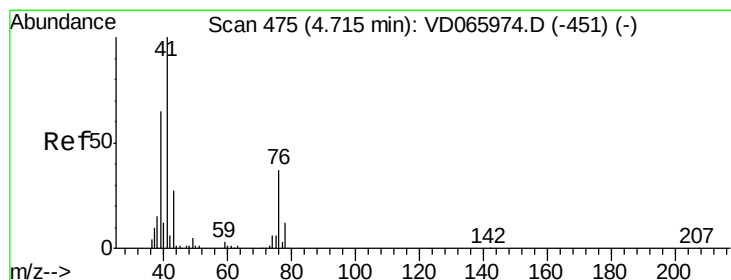
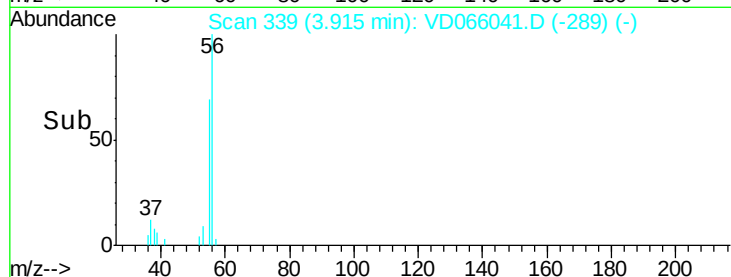
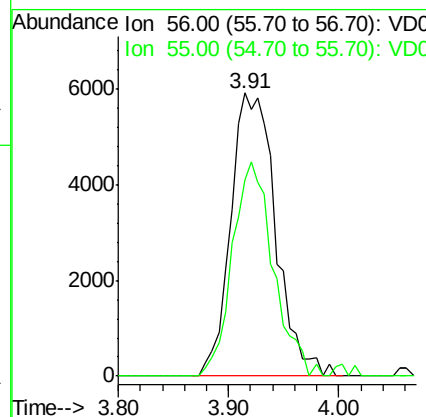
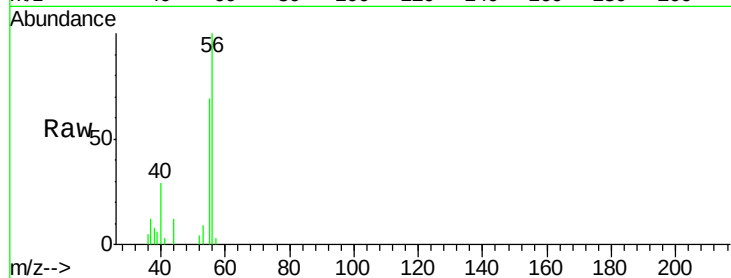
55 68.9 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 20.333 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

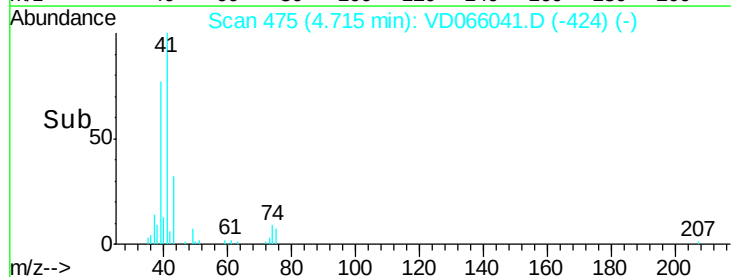
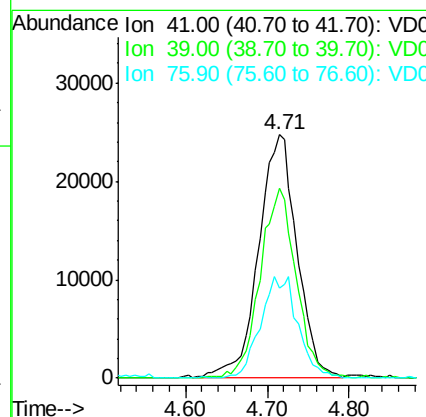
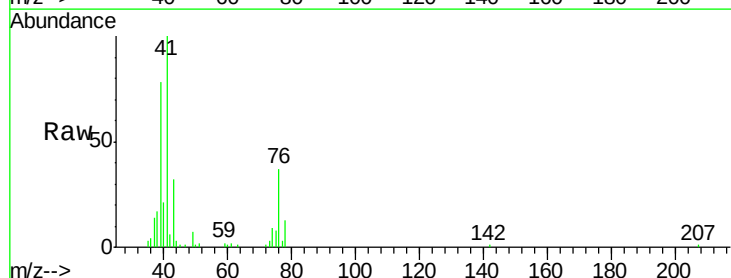
Tgt Ion: 41 Resp: 80801

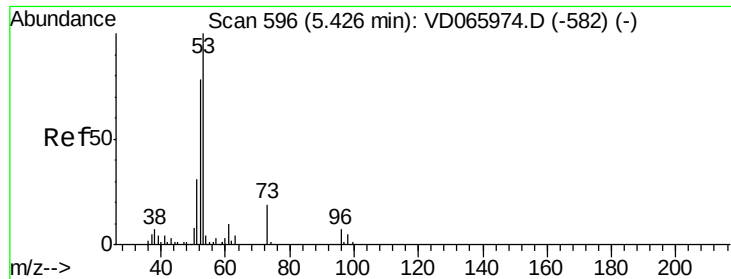
Ion Ratio Lower Upper

41 100

39 73.2 53.4 80.2

76 40.3 29.1 43.7





#15

Acrylonitrile

Concen: 103.795 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

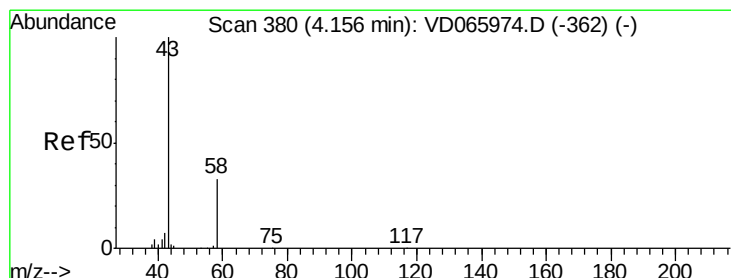
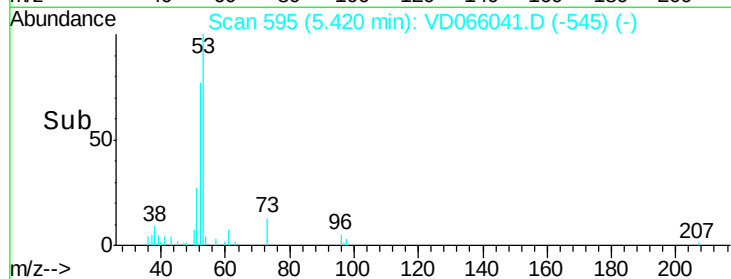
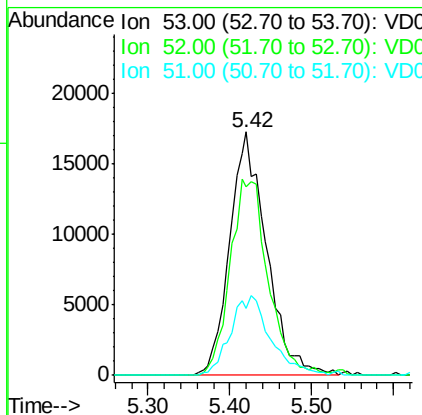
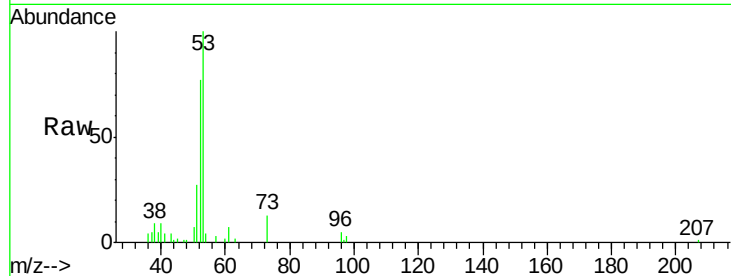
ClientSampleId :

VD0724SBS01

Tot Ion:	53	Resp:	54061
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.1	100.7
51	35.6	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 93.835 ug/l

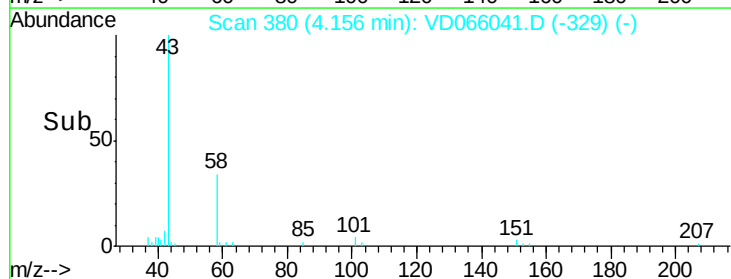
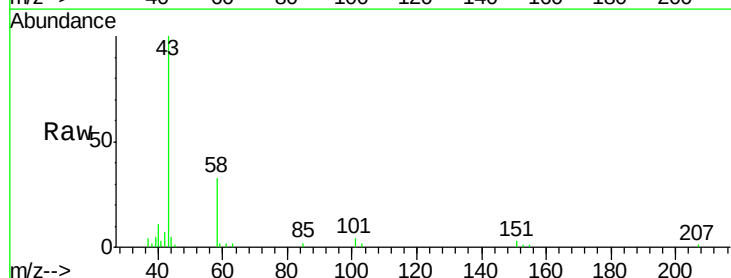
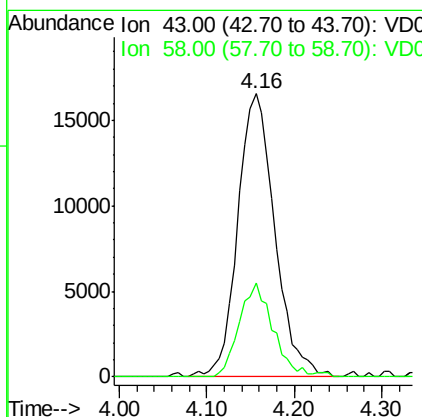
RT: 4.16 min Scan# 380

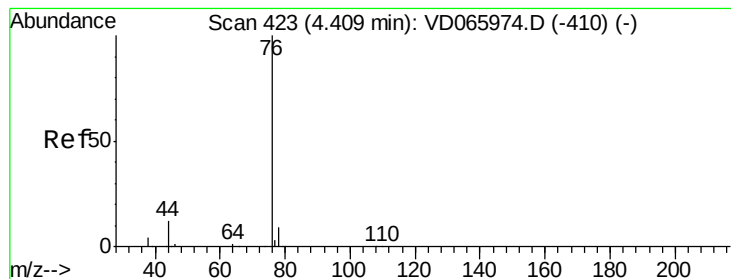
Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Tgt Ion:	43	Resp:	47518
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.3	39.5





#17

Carbon Disulfide

Concen: 20.812 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBS01

Tot Ion: 76 Resp: 171618

Ion Ratio Lower Upper

76 100

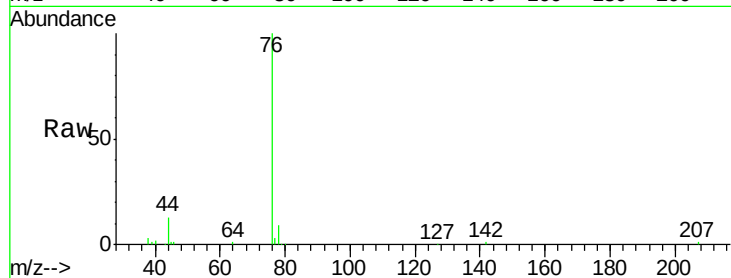
78 8.7 7.4 11.2

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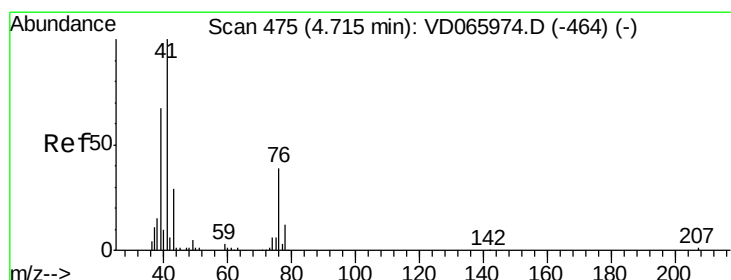
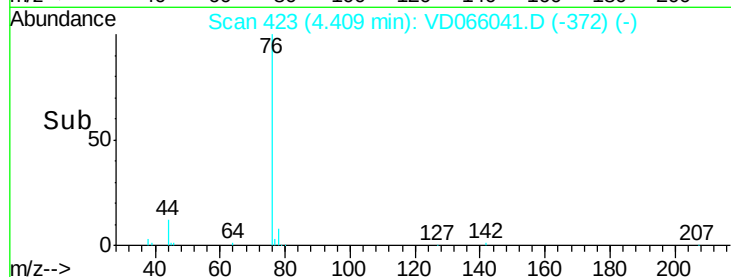
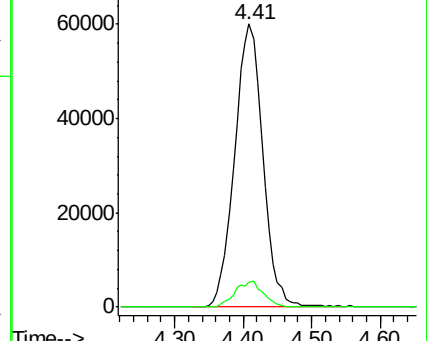
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.133 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066041.D

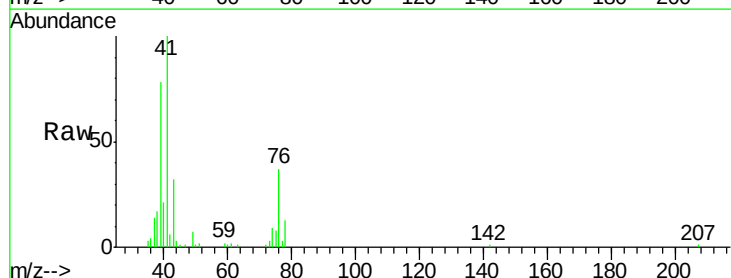
Acq: 24 Jul 2020 12:27

Tgt Ion: 43 Resp: 23717

Ion Ratio Lower Upper

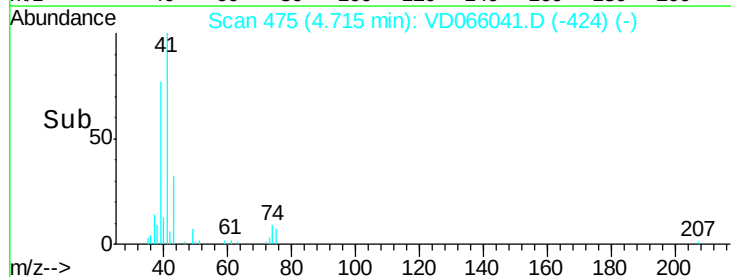
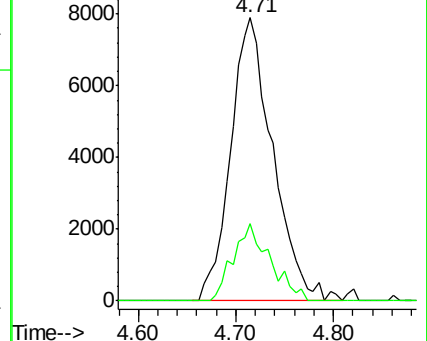
43 100

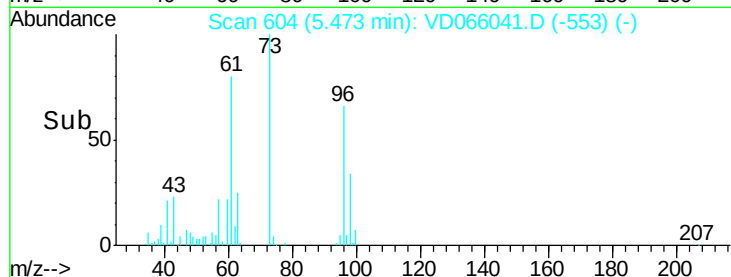
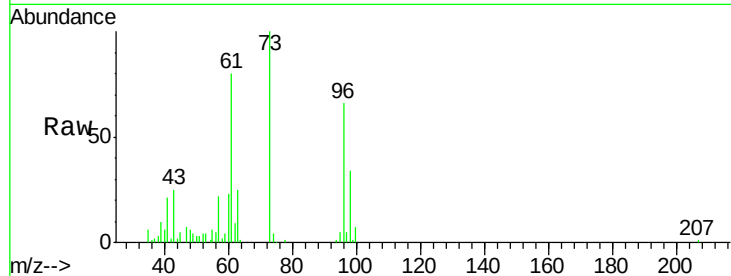
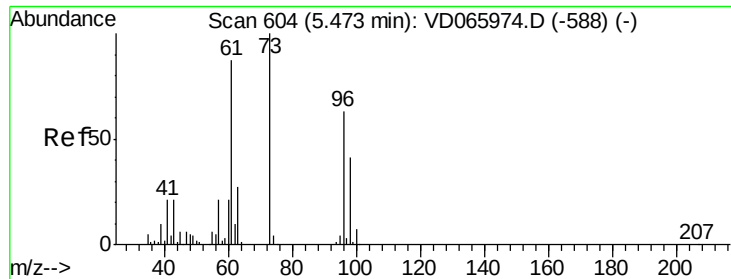
74 23.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





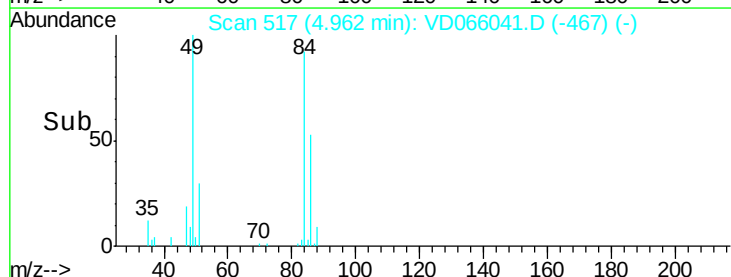
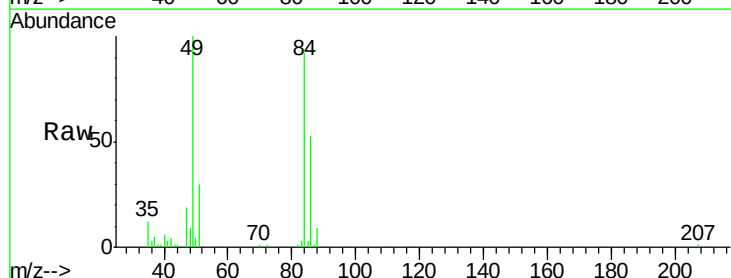
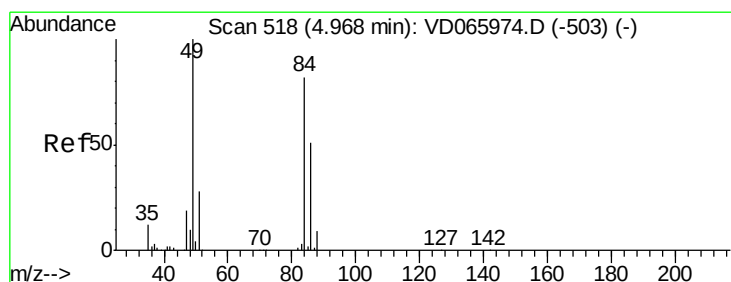
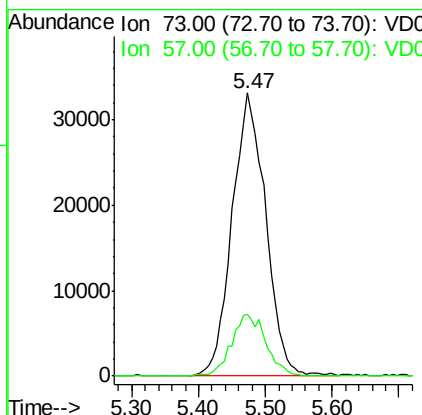
#19
Methyl tert-butyl Ether
Concen: 22.158 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tot Ion	73	Resp	115736
Ion Ratio	Lower	Upper	
73	100		
57	21.7	17.0	25.4

Instrument :
MSVOA_D
ClientSampleId :
VD0724SBS01

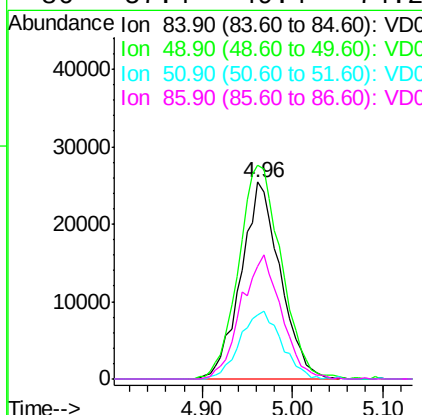
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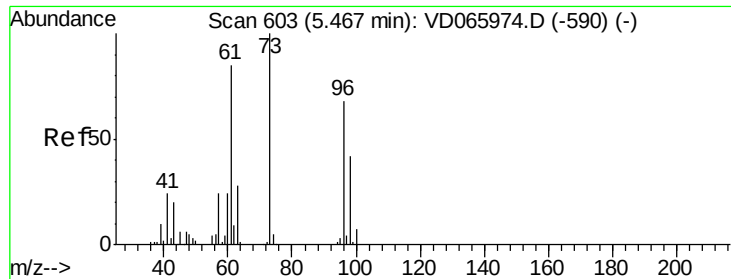
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#20
Methylene Chloride
Concen: 25.864 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tgt Ion	84	Resp	76430
Ion Ratio	Lower	Upper	
84	100		
49	108.6	97.7	146.5
51	32.3	27.4	41.2
86	57.4	49.4	74.2





#21

trans-1,2-Dichloroethene

Concen: 21.307 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBS01

Tot Ion: 96 Resp: 61219

Ion Ratio Lower Upper

96 100

61 119.9 100.5 150.7

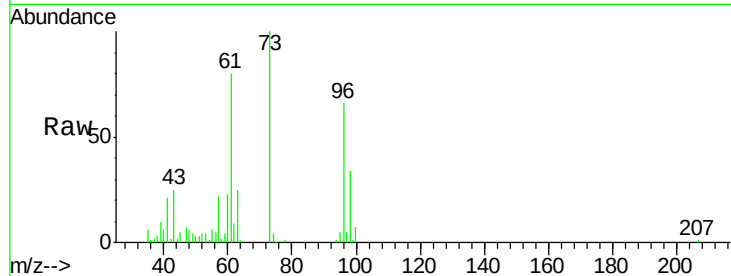
98 51.5 49.7 74.5

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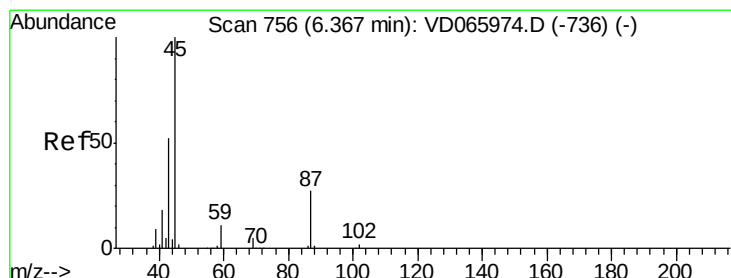
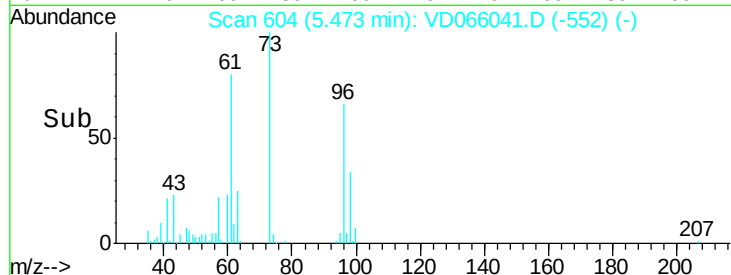
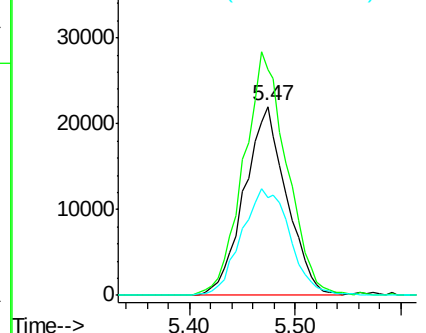
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 21.581 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Tgt Ion: 45 Resp: 162924

Ion Ratio Lower Upper

45 100

43 55.9 43.0 64.4

87 27.6 22.0 33.0

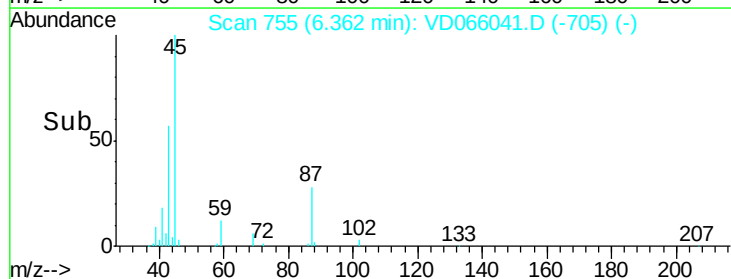
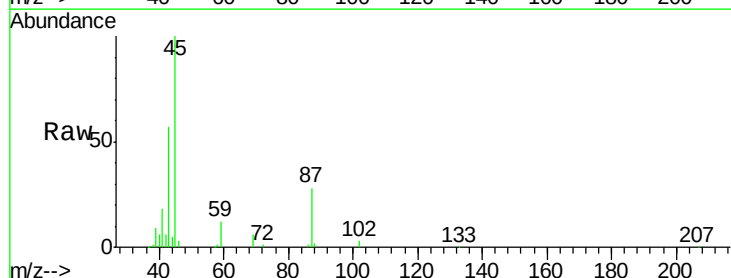
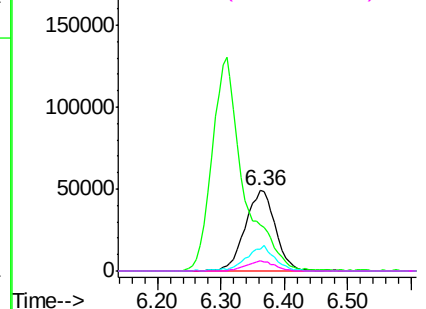
59 12.5 9.1 13.7

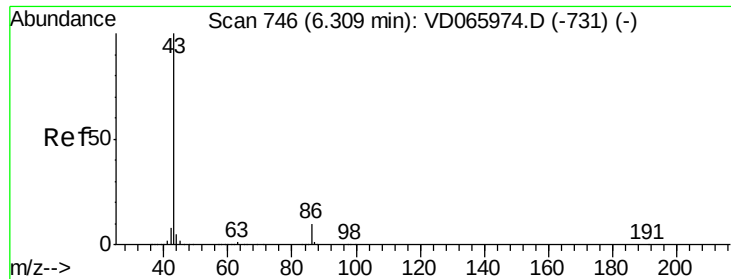
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 105.615 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBS01

Tot Ion: 43 Resp: 449678

Ion Ratio Lower Upper

43 100

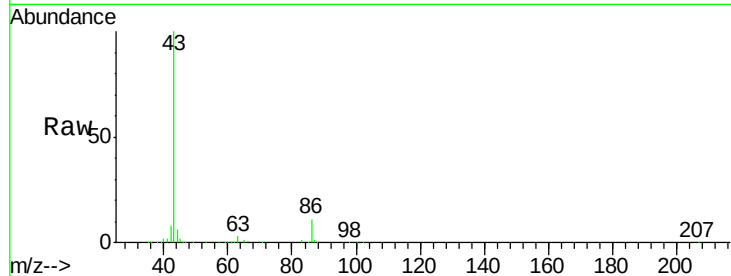
86 10.8 7.9 11.9

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

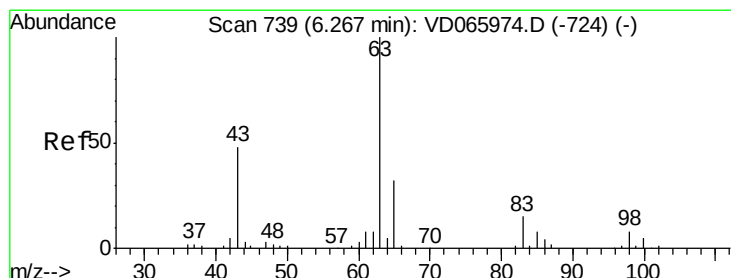
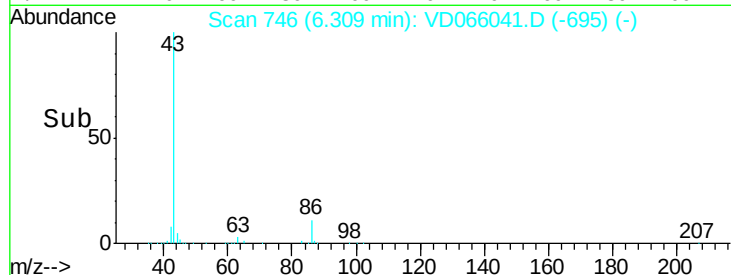
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.194 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

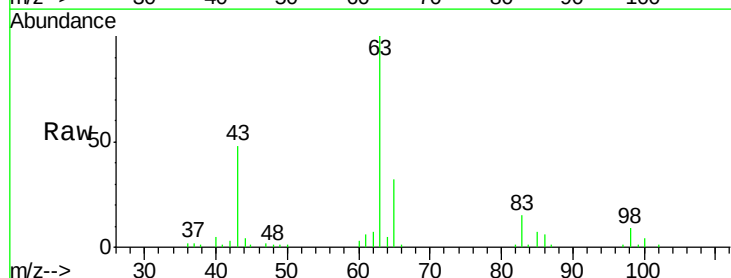
Tgt Ion: 63 Resp: 101525

Ion Ratio Lower Upper

63 100

98 9.0 4.3 12.8

100 4.4 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

40000

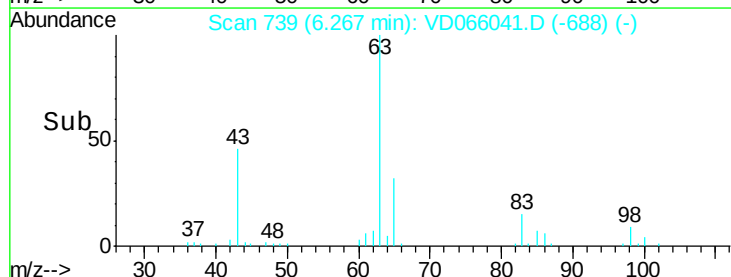
30000

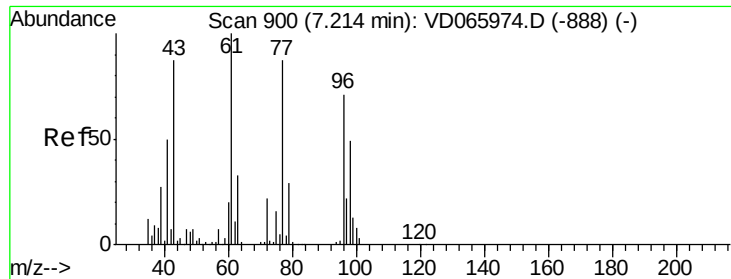
20000

10000

0

Time-->





#25

2-Butanone

Concen: 94.624 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBS01

Tot Ion: 43 Resp: 63583

Ion Ratio Lower Upper

43 100

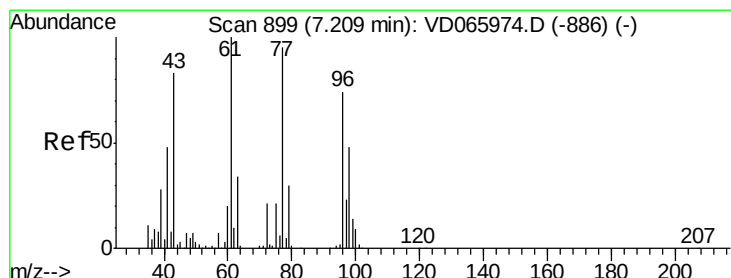
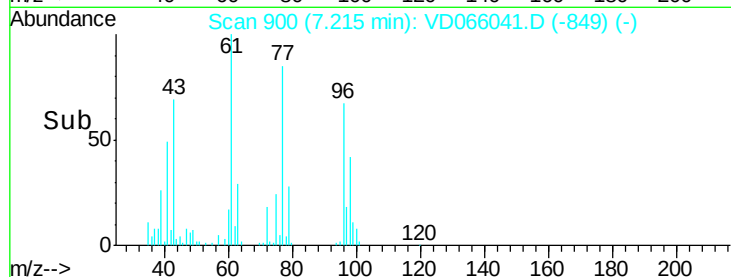
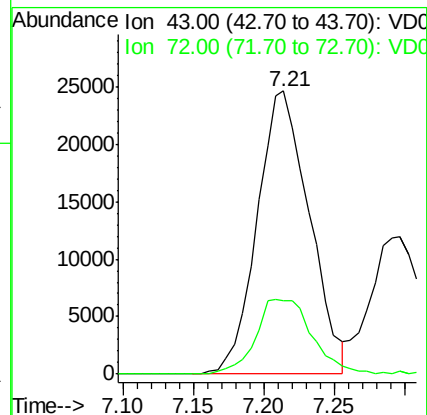
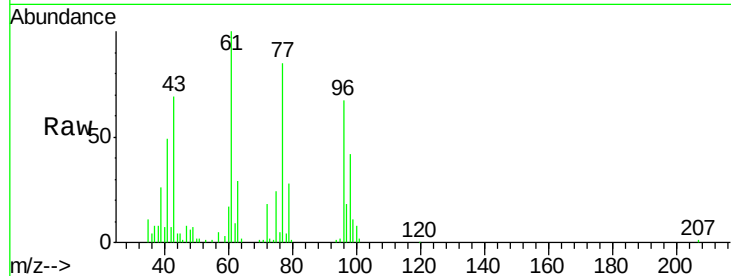
72 26.0 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.720 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066041.D

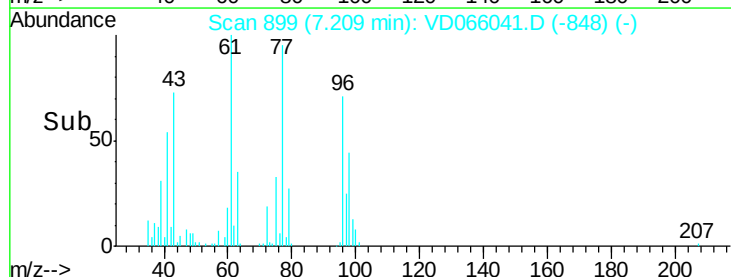
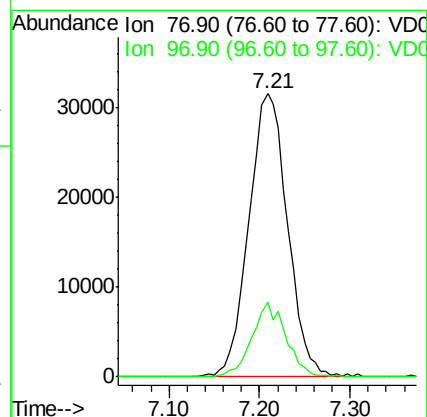
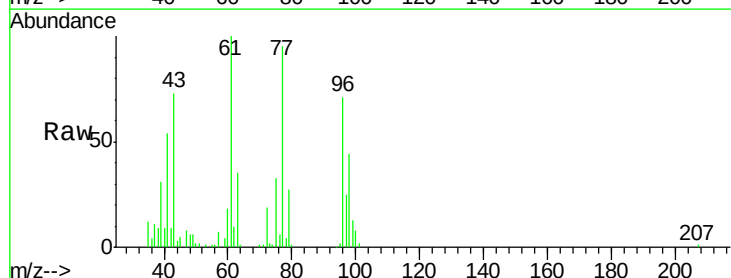
Acq: 24 Jul 2020 12:27

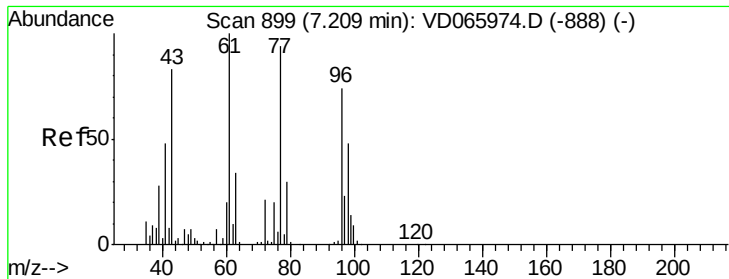
Tgt Ion: 77 Resp: 93458

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.7





#27

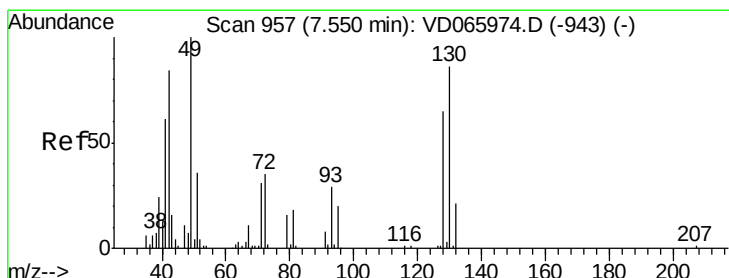
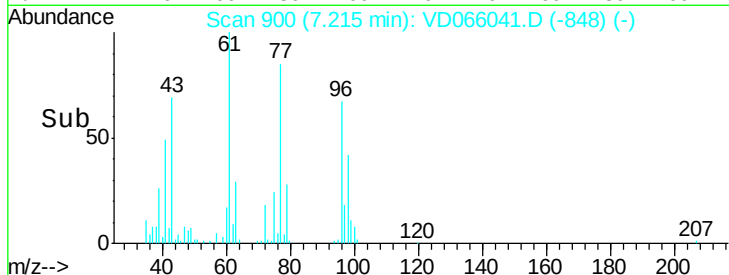
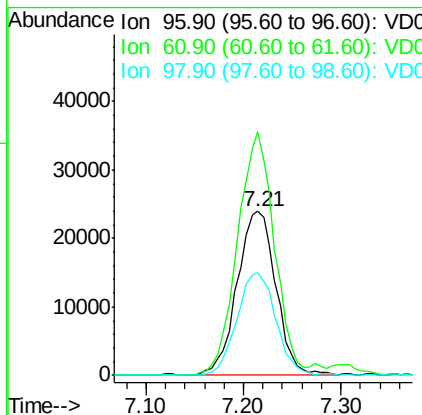
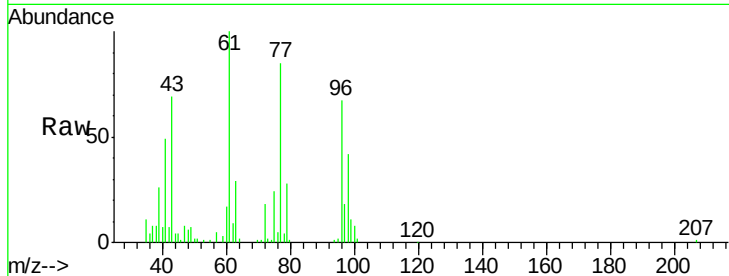
cis-1,2-Dichloroethene
 Concen: 21.879 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	276.6
98	62.6	0.0	130.8

Manual Integrations
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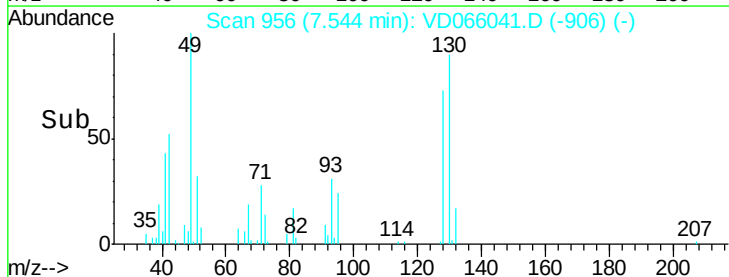
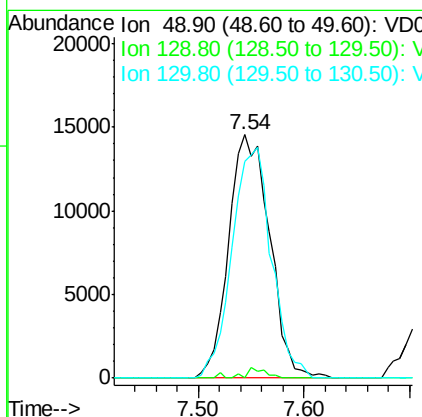
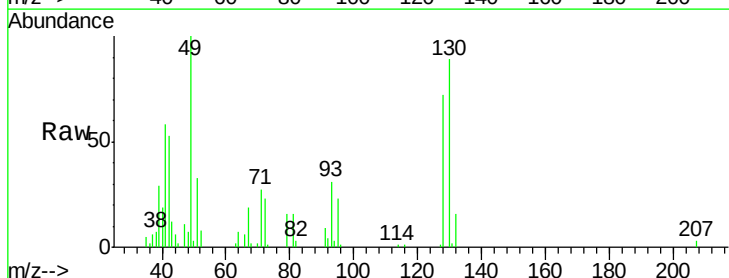
MMDadoda
 7/27/2020 12:03:48 PM

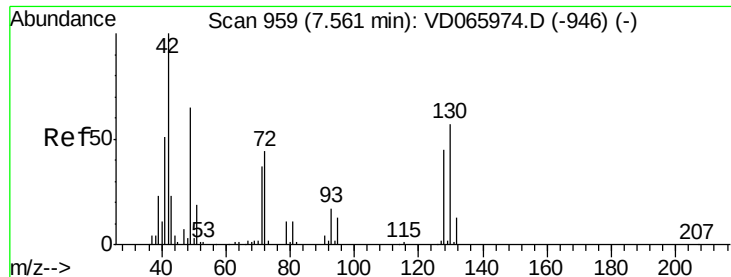


#28

Bromochloromethane
 Concen: 20.103 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.8
130	91.3	68.4	102.6





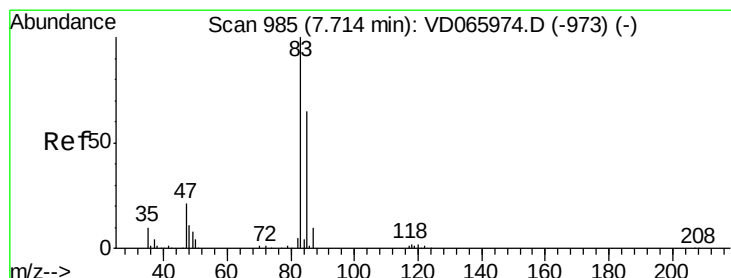
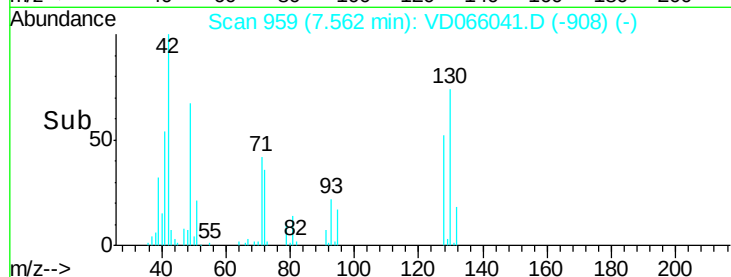
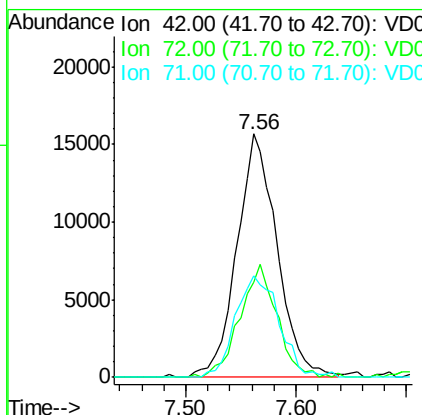
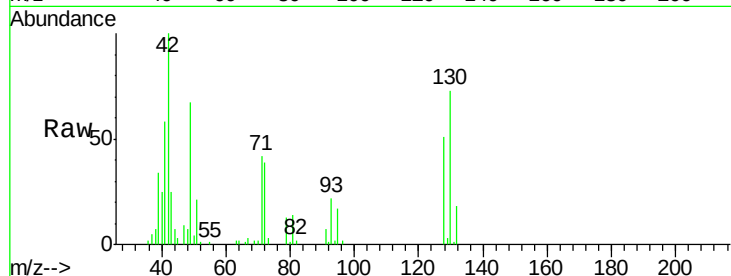
#29
Tetrahydrofuran
Concen: 96.853 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0724SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.2	51.2
71	45.3	31.4	47.2

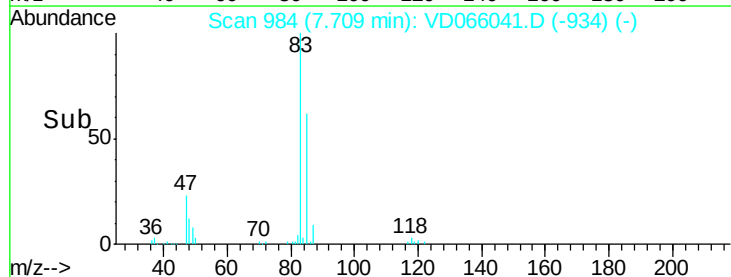
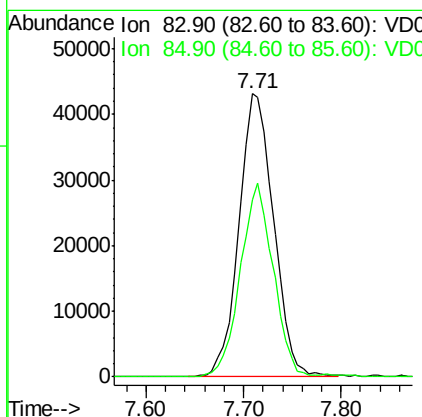
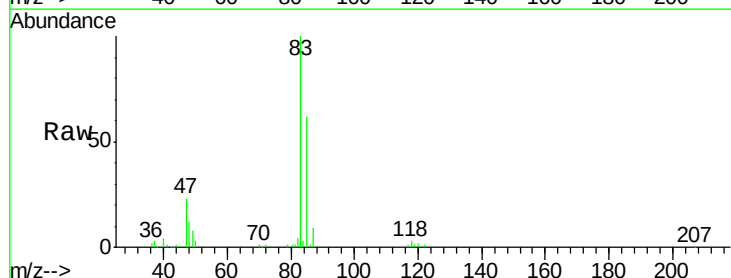
Manual Integrations
APPROVED

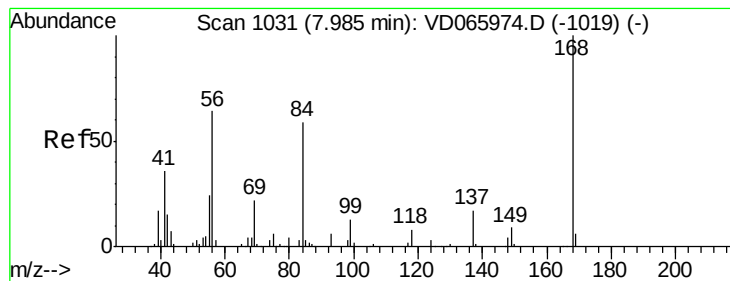
MMDadoda
7/27/2020 12:03:48 PM



#30
Chloroform
Concen: 22.254 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.1	78.1





#31

Cyclohexane

Concen: 20.632 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

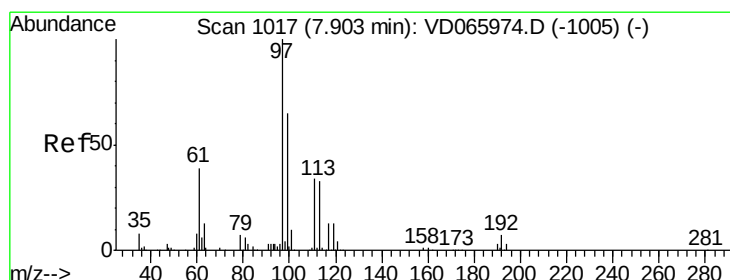
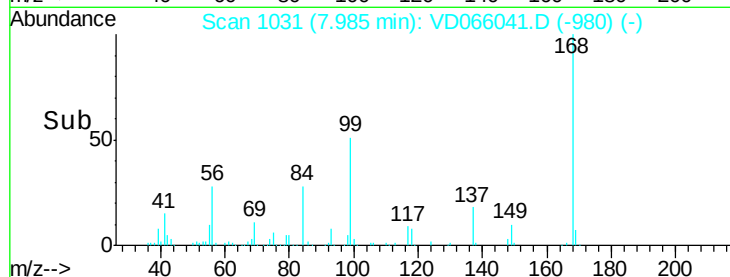
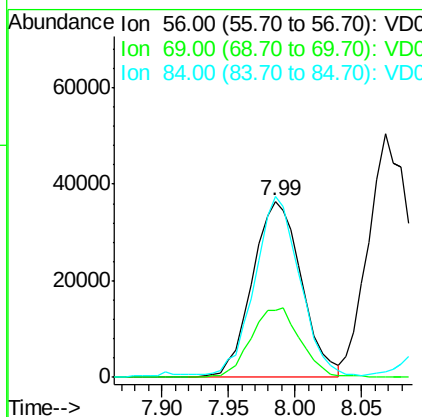
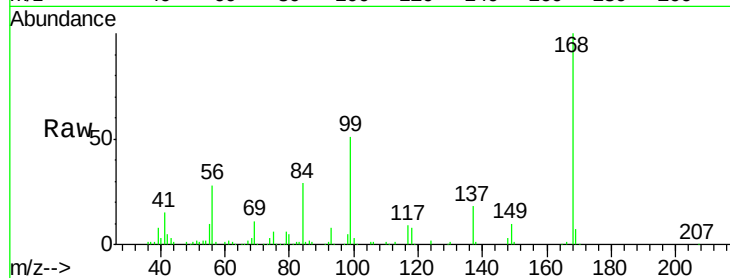
ClientSampleId :

VD0724SBS01

Tot Ion:	56	Resp:	92849
Ion	Ratio	Lower	Upper
56	100		
69	38.0	28.0	42.0
84	100.8	72.6	109.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.525 ug/l

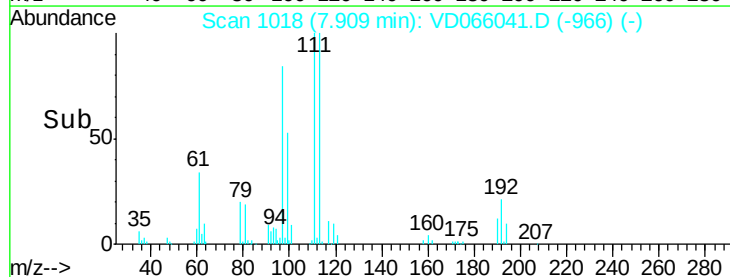
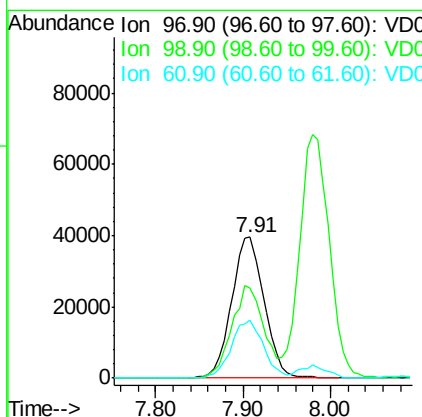
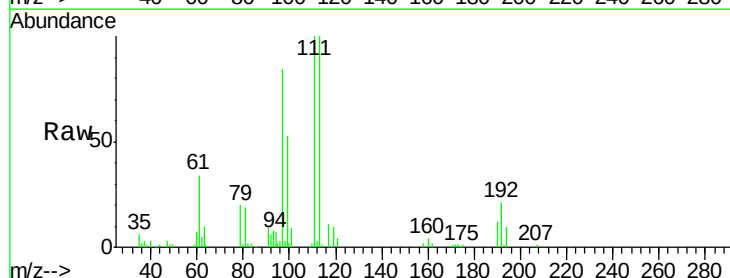
RT: 7.91 min Scan# 1018

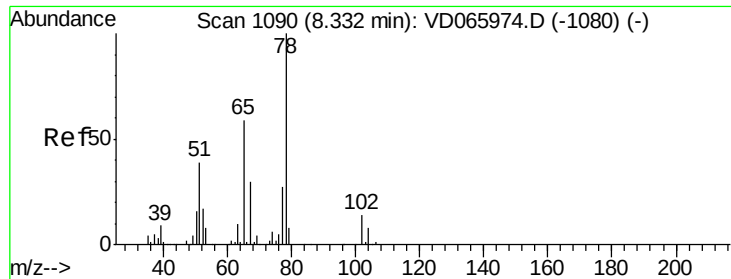
Delta R.T. 0.01 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Tgt Ion:	97	Resp:	99697
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.8	77.6
61	40.5	33.3	49.9





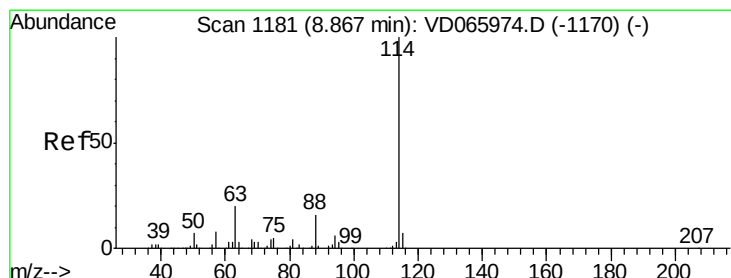
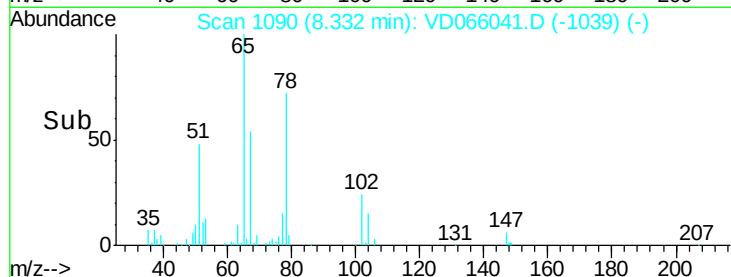
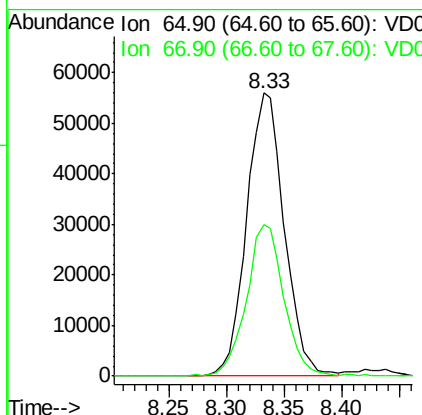
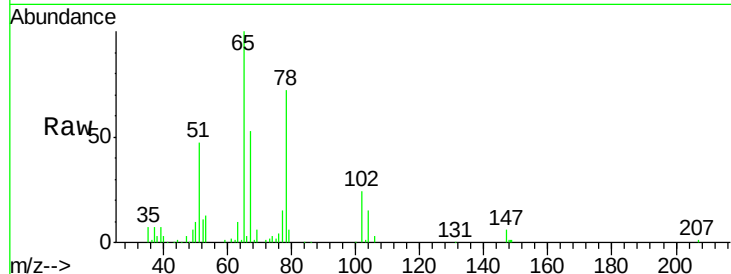
#33
 1,2-Dichloroethane-d4
 Concen: 50.821 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127143		
67	53.3	0.0	105.0	

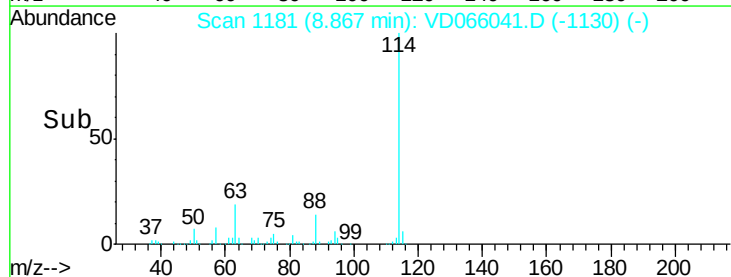
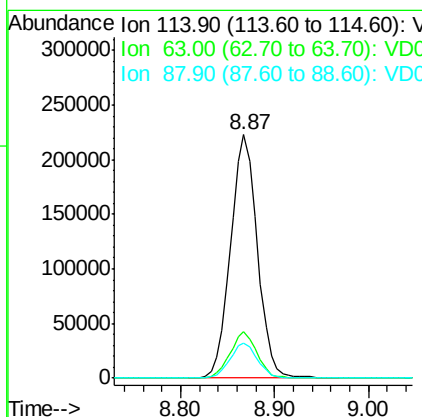
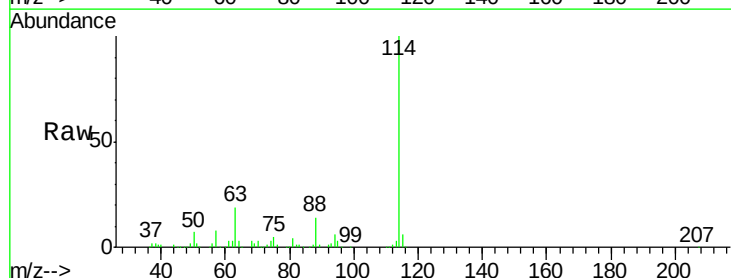
Manual Integrations
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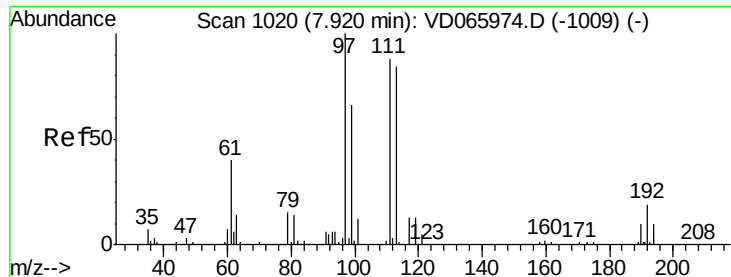
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	441220		
63	19.1	0.0	39.6	
88	14.4	0.0	31.2	





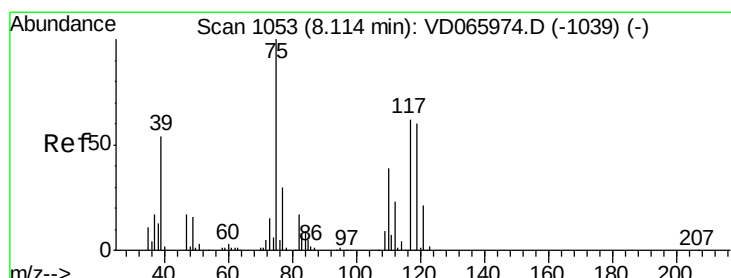
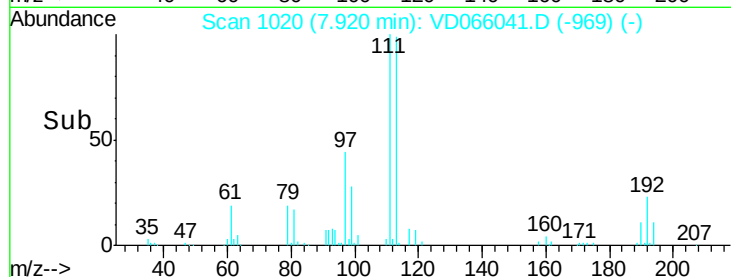
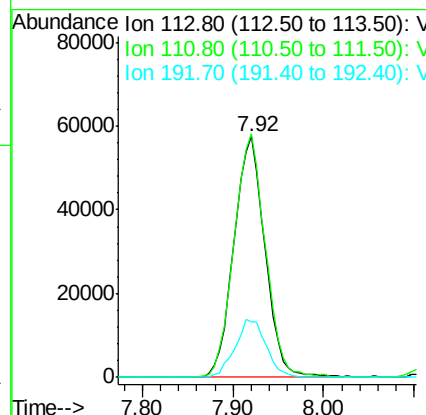
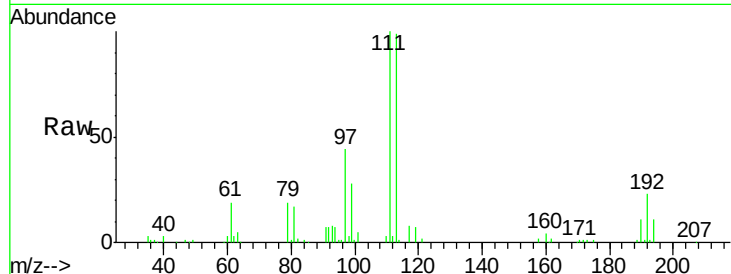
#35
 Dibromofluoromethane
 Concen: 51.169 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	136935		
111	102.1	83.2	124.8	
192	24.0	18.7	28.1	

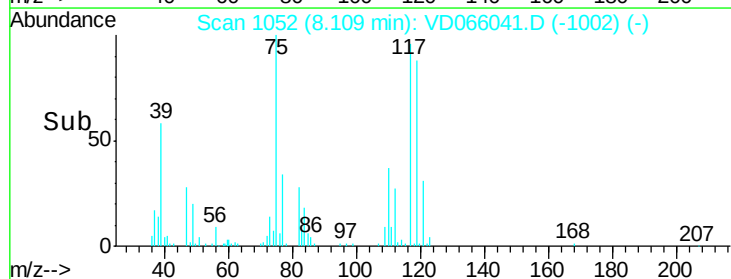
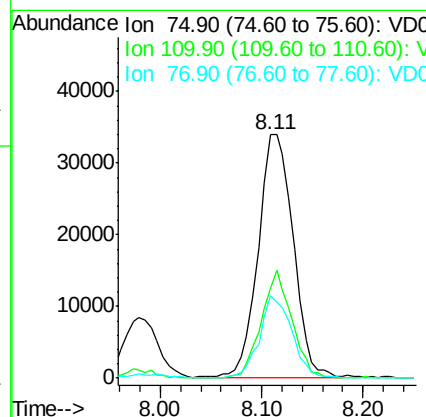
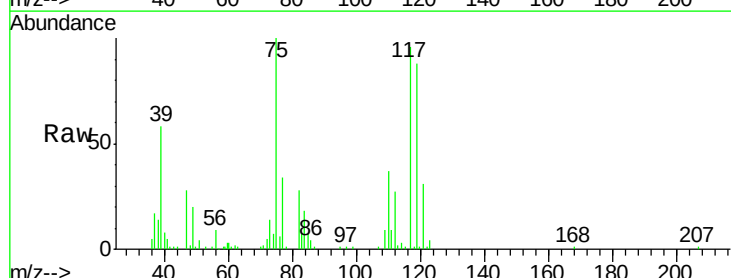
Manual Integrations
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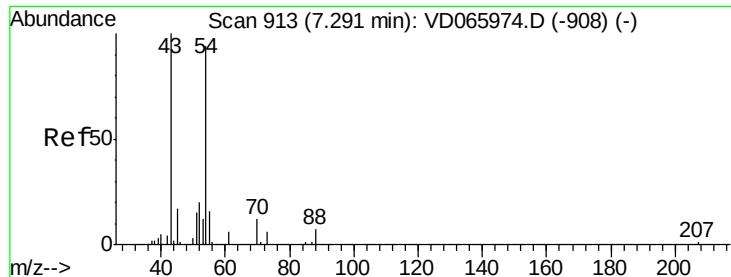
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 21.813 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82139		
110	38.4	19.5	58.5	
77	31.0	24.7	37.1	





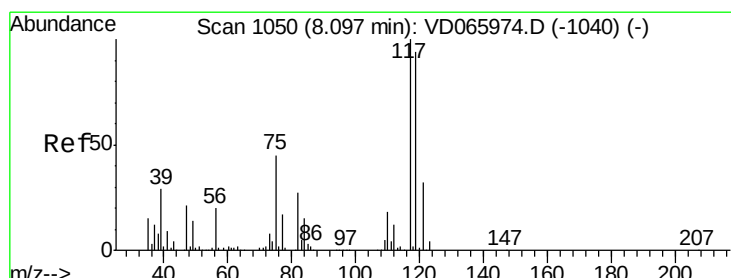
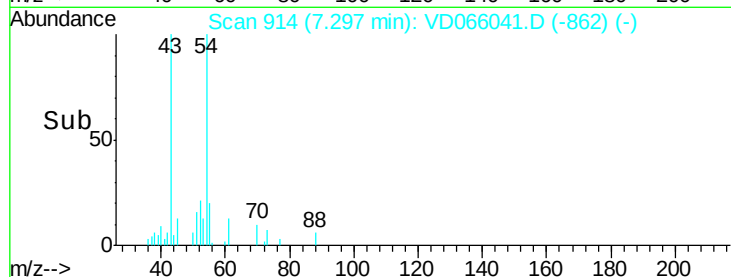
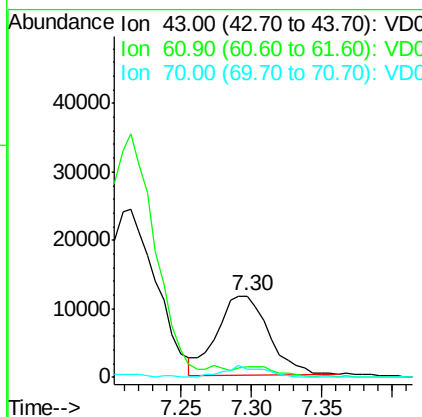
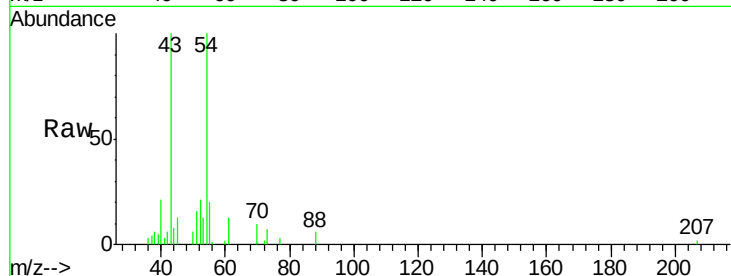
#37
Ethyl Acetate
Concen: 20.911 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0724SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.6	11.4	17.0#
70	11.4	9.3	13.9

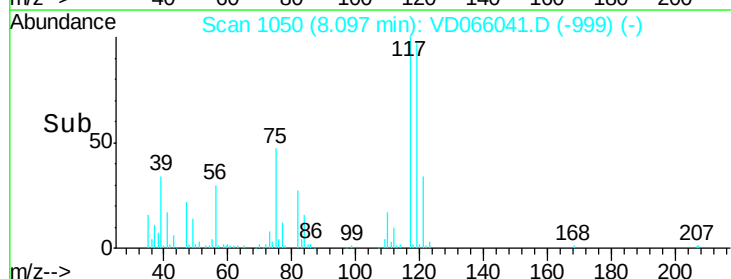
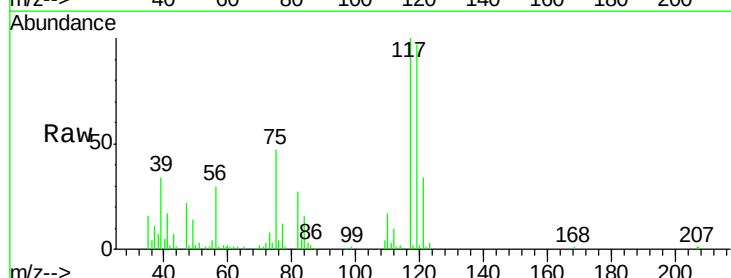
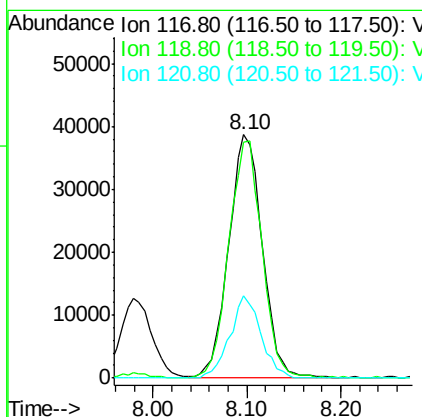
Manual Integrations
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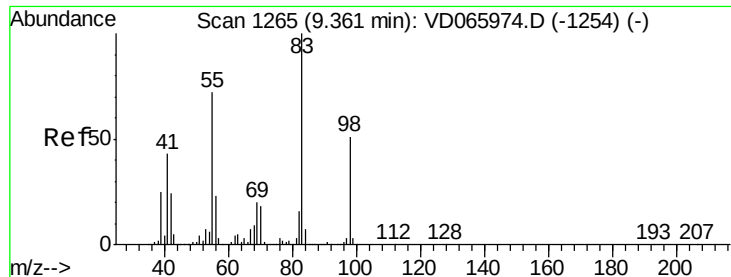
MMDadoda
7/27/2020 12:03:48 PM



#38
Carbon Tetrachloride
Concen: 23.614 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.0	112.6
121	33.8	25.5	38.3





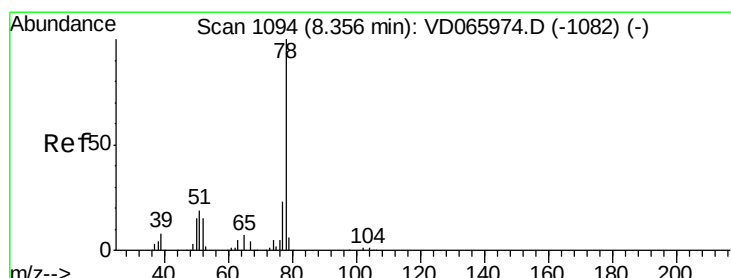
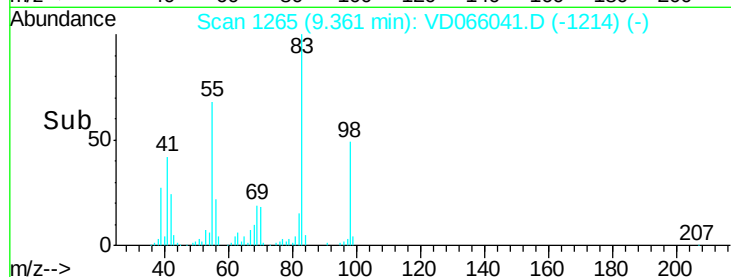
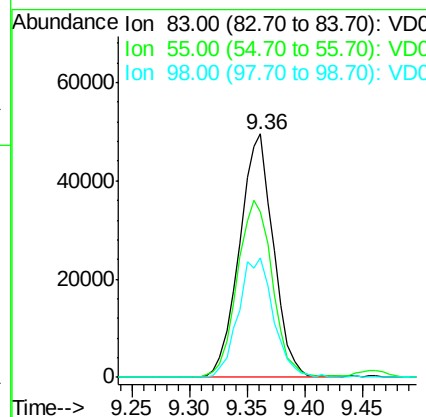
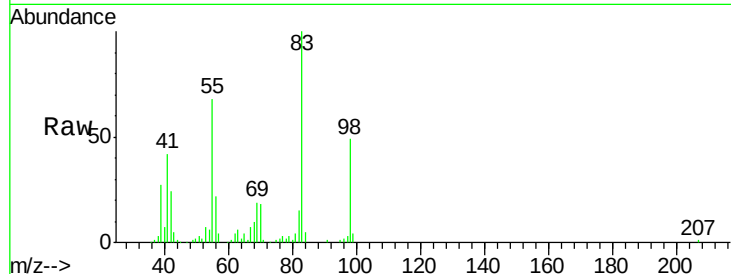
#39
Methylvlcyclohexane
Concen: 22.180 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0724SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	57.3	85.9
98	49.0	41.0	61.6

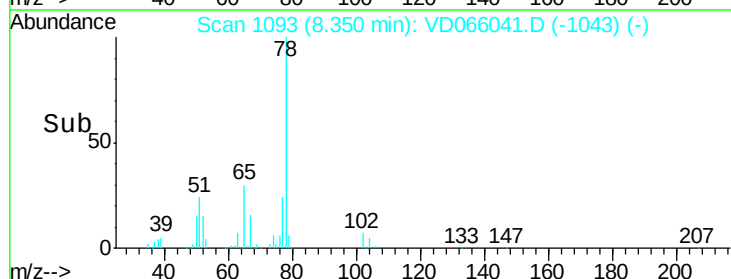
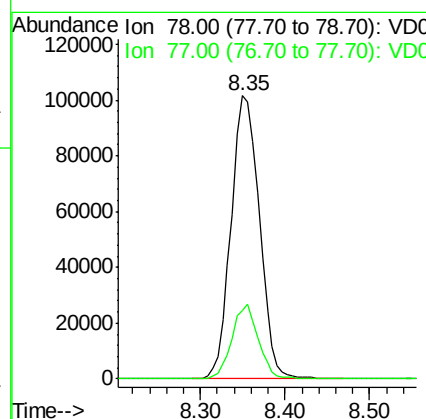
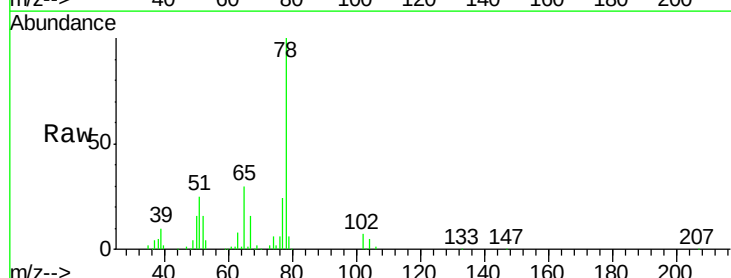
Manual Integrations
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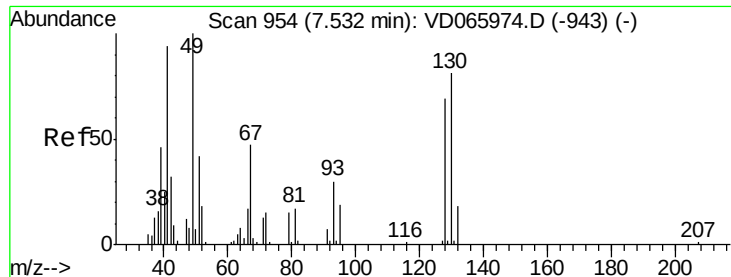
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#40
Benzene
Concen: 22.382 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	27.8





#41

Methacrylonitrile

Concen: 17.878 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBS01

Tot Ion: 41 Resp: 14728

Ion Ratio Lower Upper

41 100

39 65.8 0.0 0.0#

67 0.0 0.0 0.0

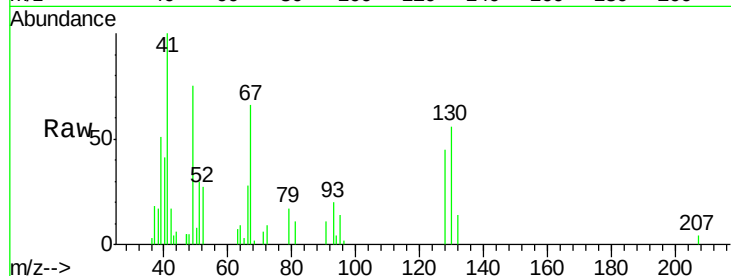
52 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

7/27/2020 12:03:48 PM

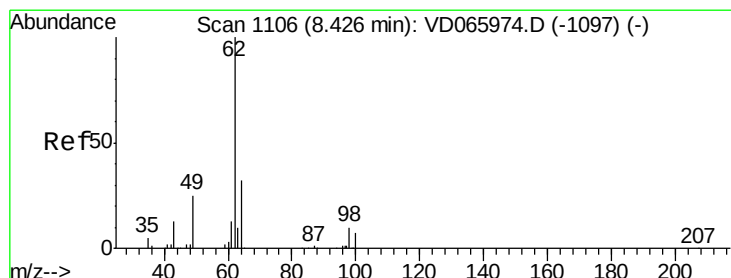
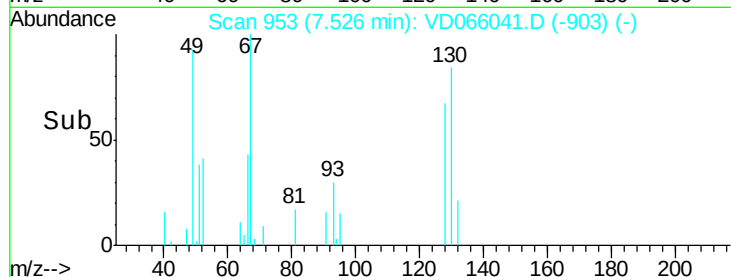
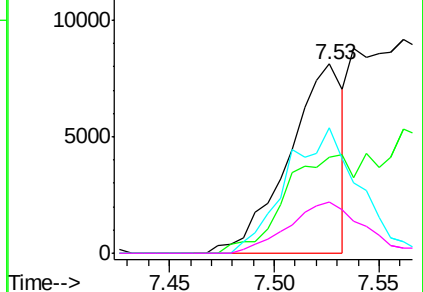


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.576 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD066041.D

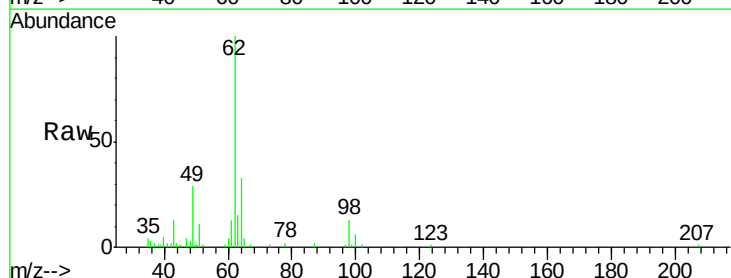
Acq: 24 Jul 2020 12:27

Tgt Ion: 62 Resp: 65173

Ion Ratio Lower Upper

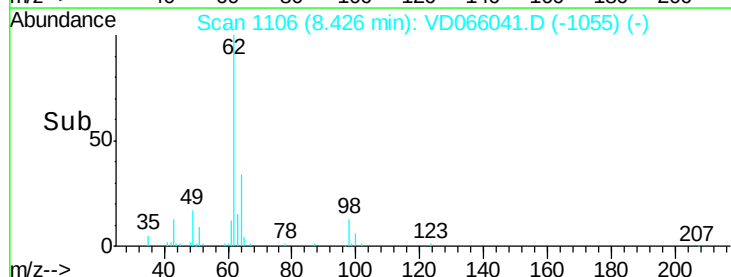
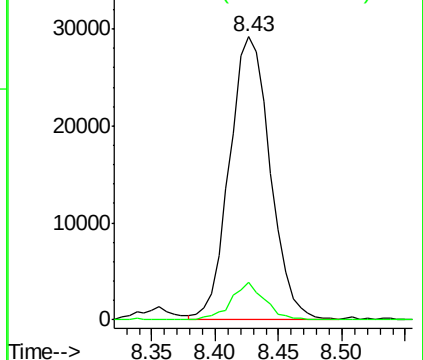
62 100

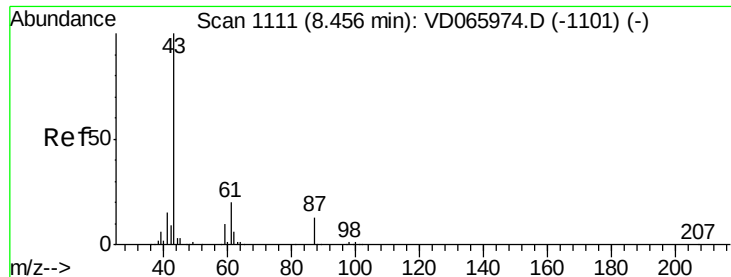
98 10.9 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.064 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

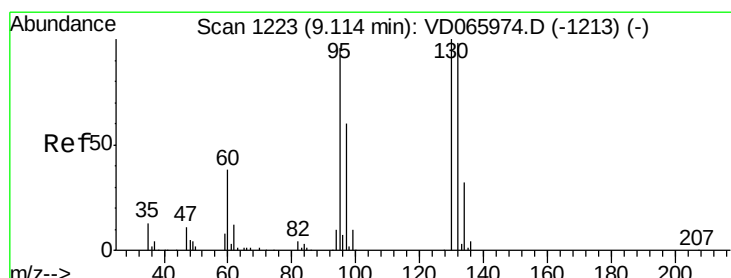
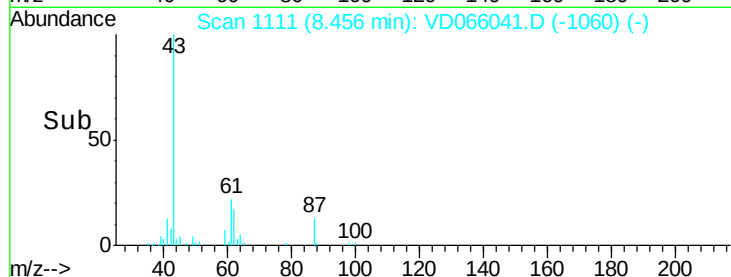
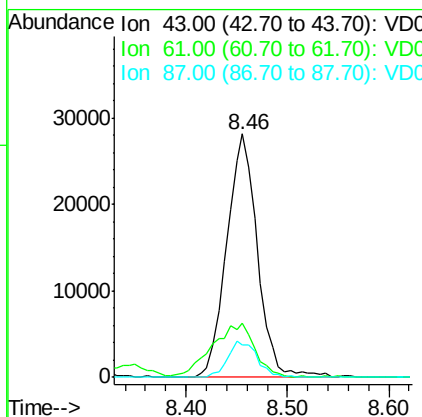
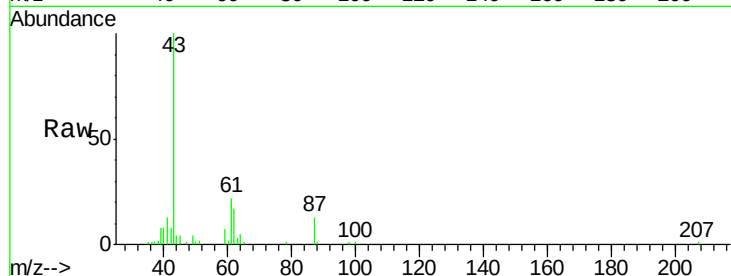
ClientSampleId :

VD0724SBS01

Tot Ion:	43	Resp:	59165
Ion	Ratio	Lower	Upper
43	100		
61	30.8	25.8	38.8
87	14.1	10.9	16.3

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#44

Trichloroethene

Concen: 22.563 ug/l

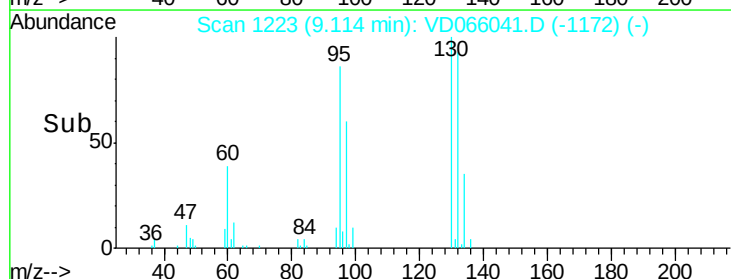
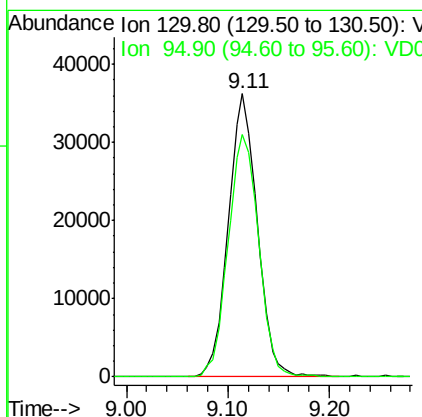
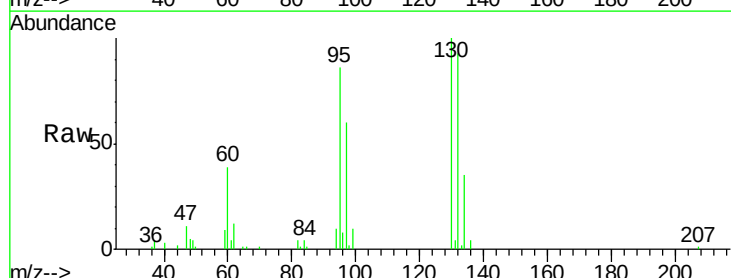
RT: 9.11 min Scan# 1223

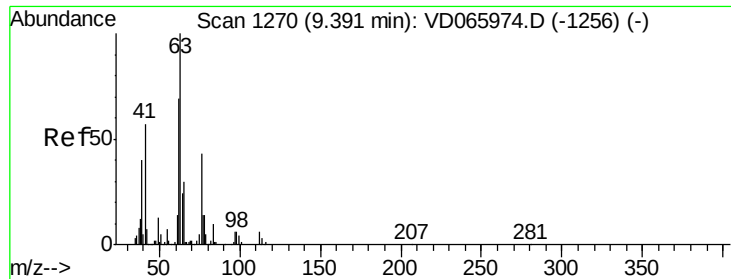
Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Tgt Ion:	130	Resp:	71929
Ion	Ratio	Lower	Upper
130	100		
95	85.7	0.0	191.6





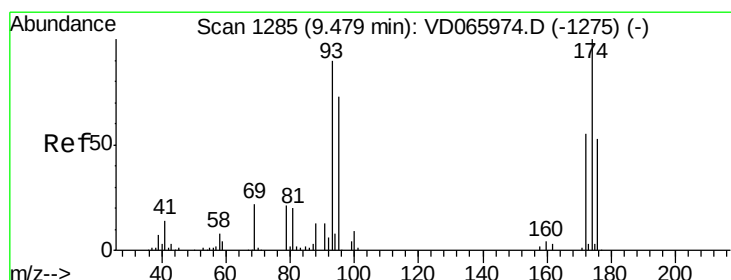
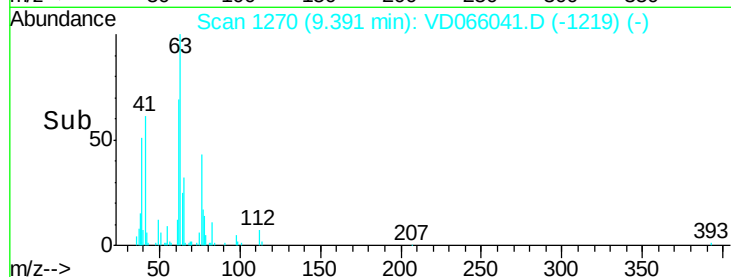
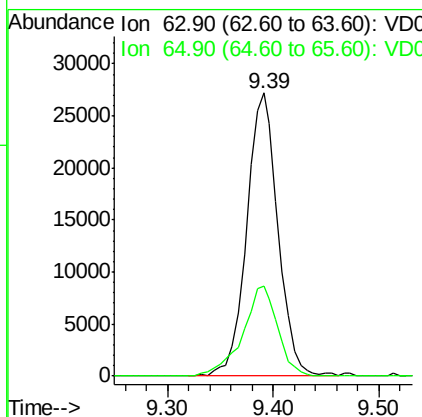
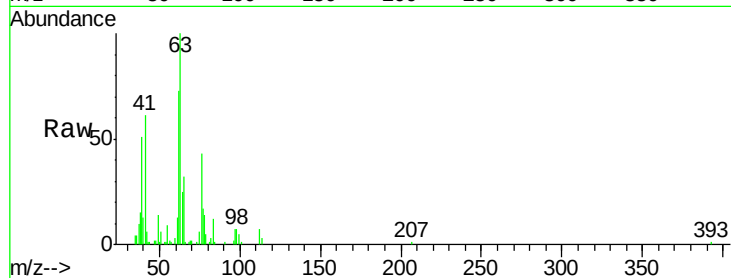
#45
 1,2-Dichloropropane
 Concen: 21.945 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBSD01

Tot Ion	63	Resp	55993
Ion Ratio	Lower	Upper	
63	100		
65	31.7	24.0	36.0

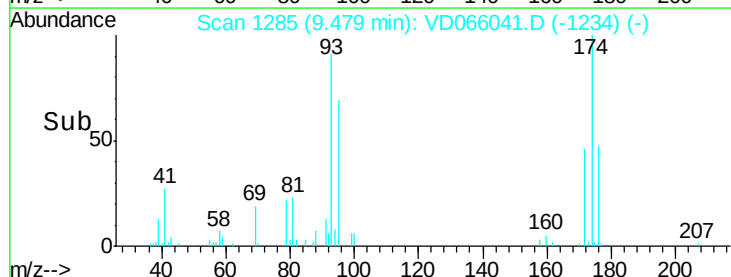
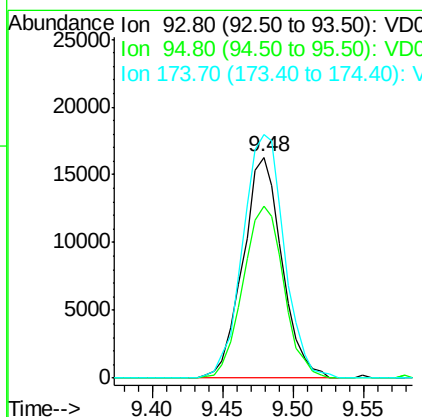
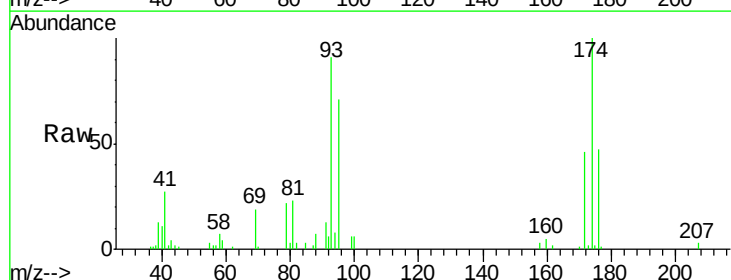
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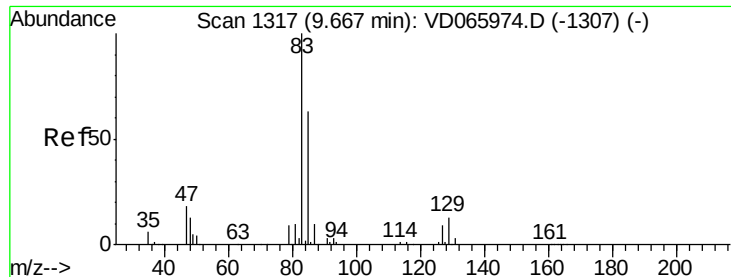
MMDadoda
 7/27/2020 12:03:48 PM



#46
 Dibromomethane
 Concen: 23.043 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Tgt Ion	93	Resp	31650
Ion Ratio	Lower	Upper	
93	100		
95	80.9	66.2	99.4
174	117.3	91.5	137.3





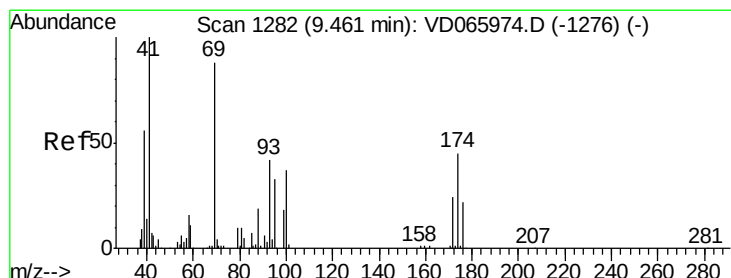
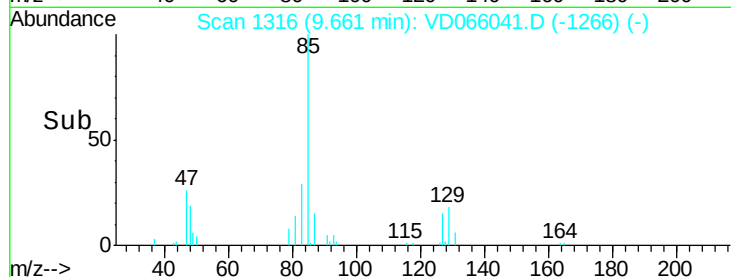
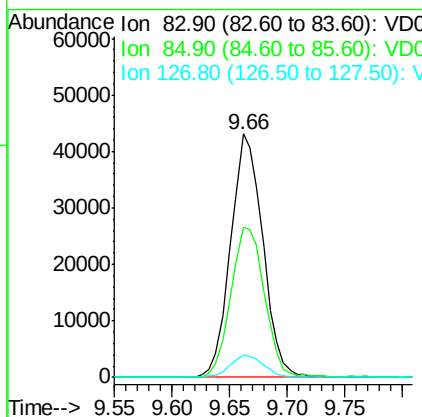
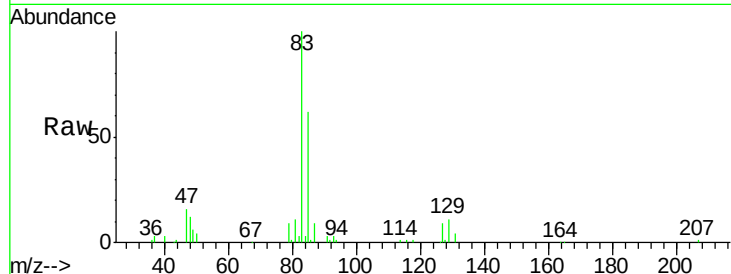
#47
Bromodichloromethane
Concen: 22.910 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0724SBSD01

Tot Ion	83	Resp	83204
Ion Ratio	100	Lower	Upper
85	61.8	50.6	75.8
127	9.2	7.1	10.7

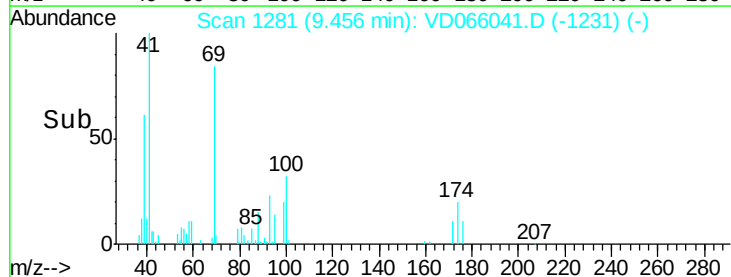
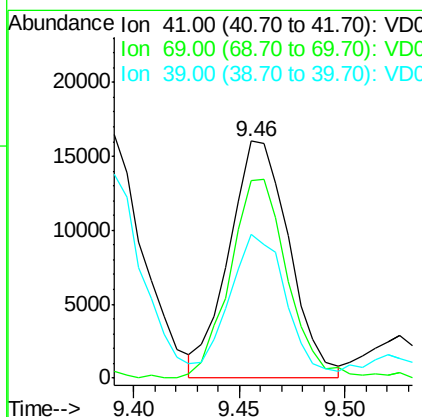
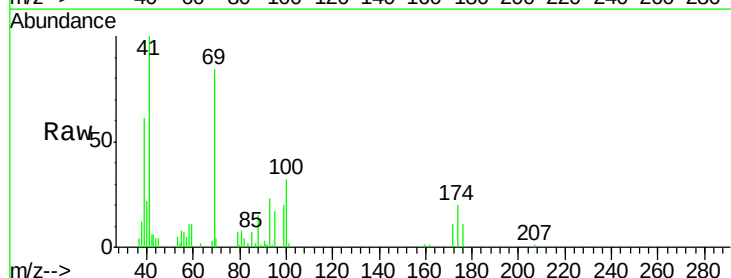
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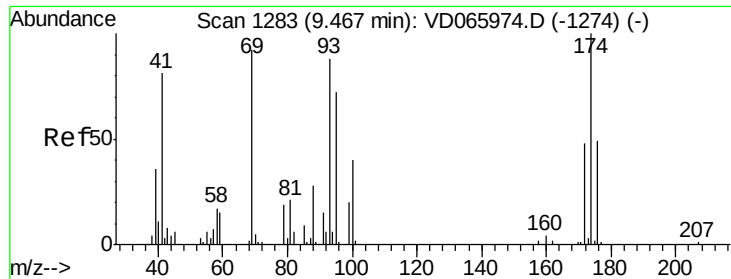
MMDadoda
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#48
Methyl methacrylate
Concen: 22.414 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tgt Ion	41	Resp	31756
Ion Ratio	100	Lower	Upper
69	79.6	65.1	97.7
39	52.2	41.5	62.3





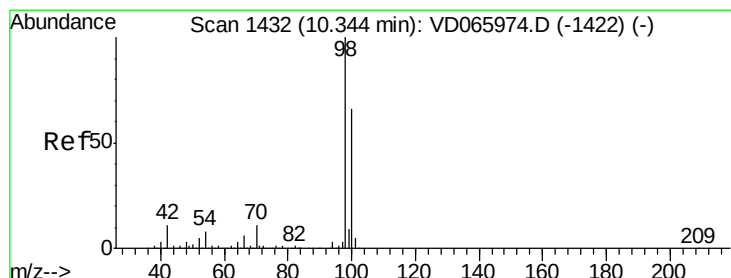
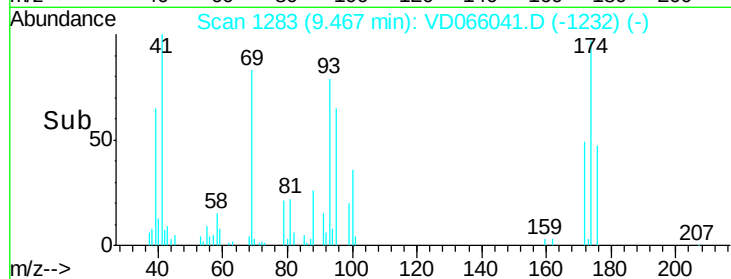
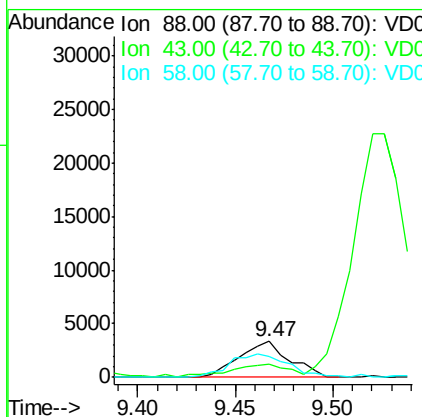
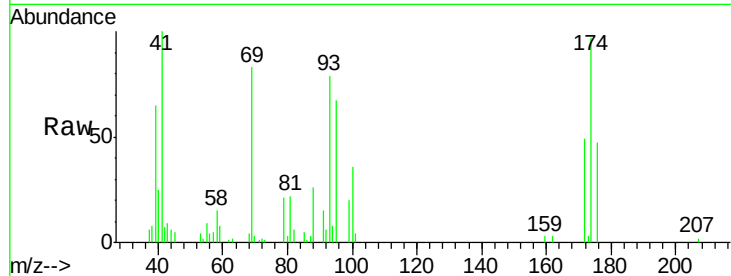
#49
1,4-Dioxane
Concen: 373.781 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0724SBS01

Tot Ion	88	Resp	5948
Ion Ratio	100	Lower	Upper
88	100		
43	43.3	29.0	43.6
58	76.8	57.0	85.4

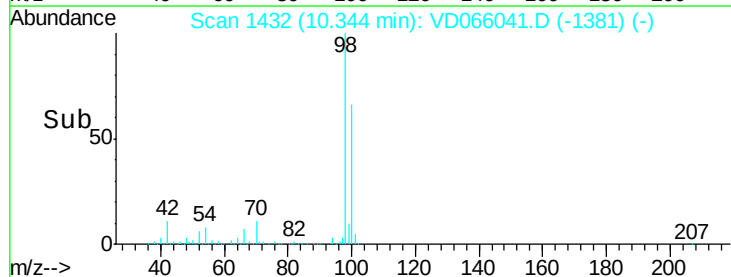
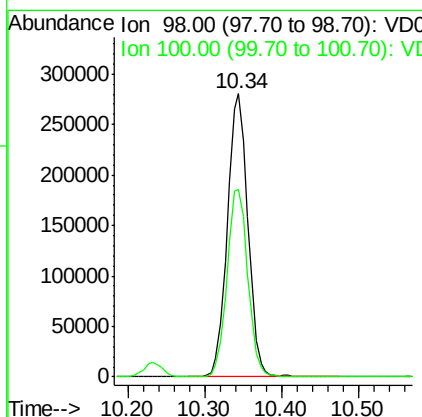
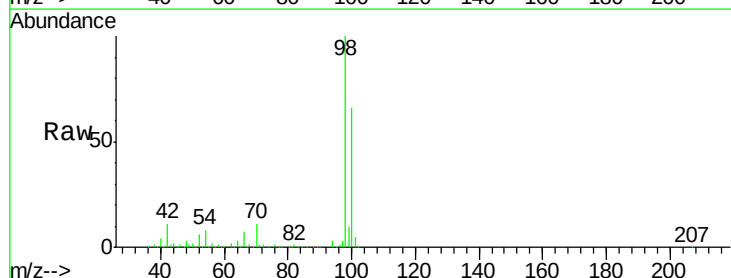
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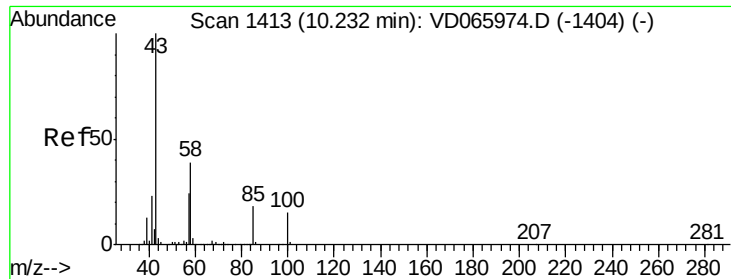
MMDadoda
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#50
Toluene-d8
Concen: 52.342 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tgt Ion	98	Resp	521815
Ion Ratio	100	Lower	Upper
98	100		
100	67.3	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 105.798 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBS01

Tot Ion: 43 Resp: 149727

Ion Ratio Lower Upper

43 100

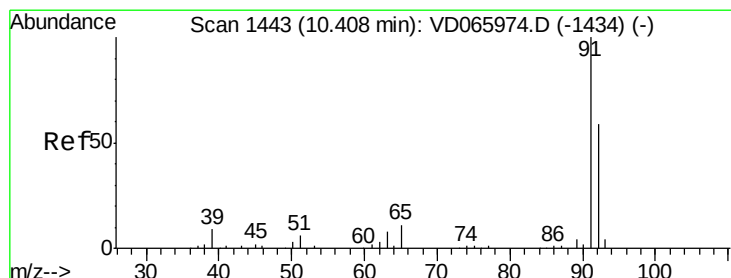
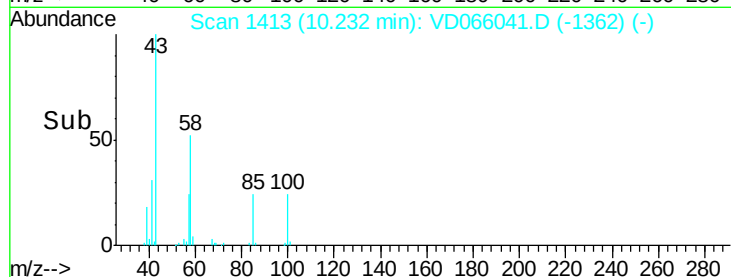
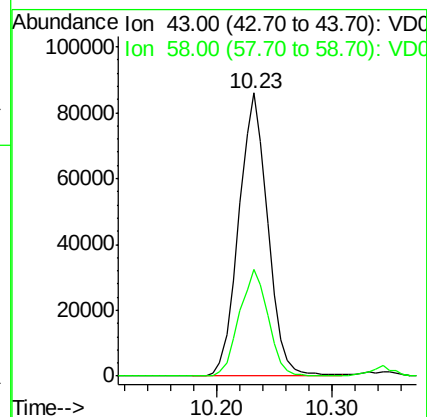
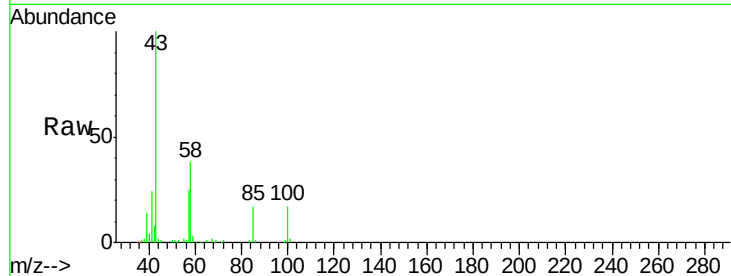
58 37.5 31.3 46.9

Manual Integrations

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#52

Toluene

Concen: 22.923 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD066041.D

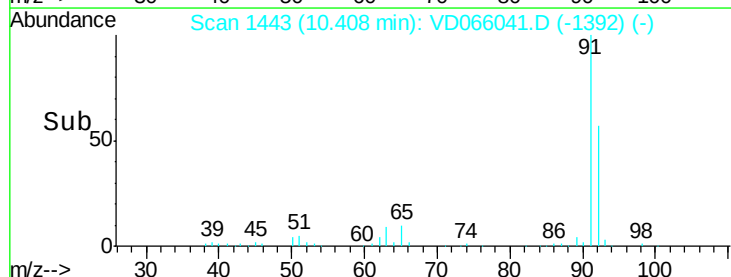
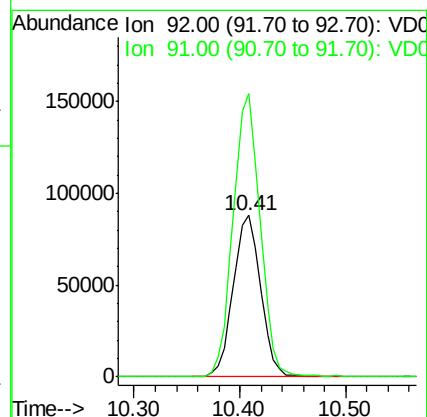
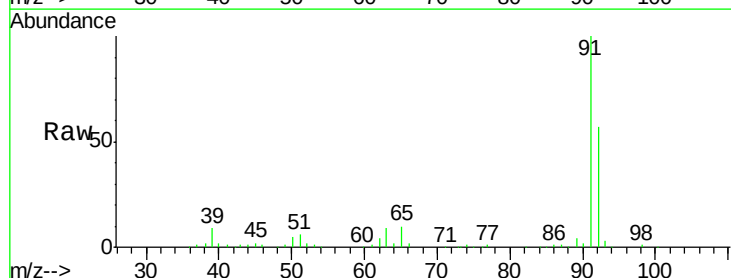
Acq: 24 Jul 2020 12:27

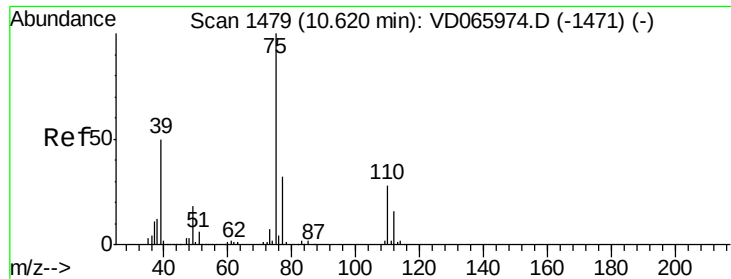
Tgt Ion: 92 Resp: 157489

Ion Ratio Lower Upper

92 100

91 173.3 134.5 201.7





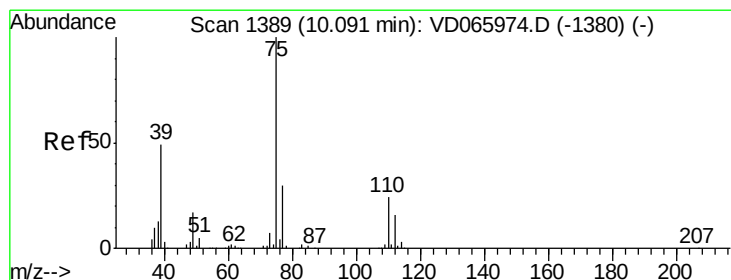
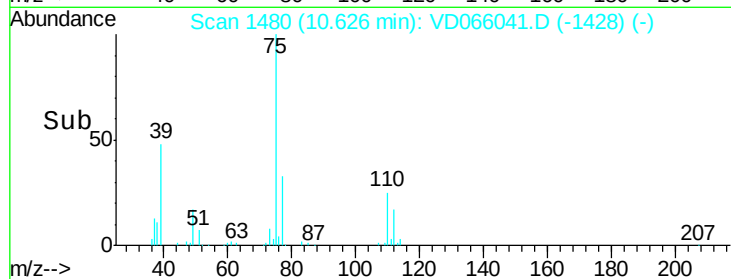
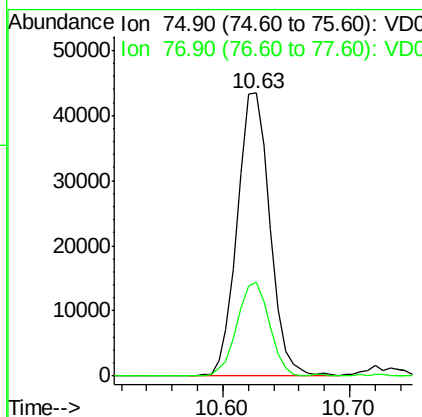
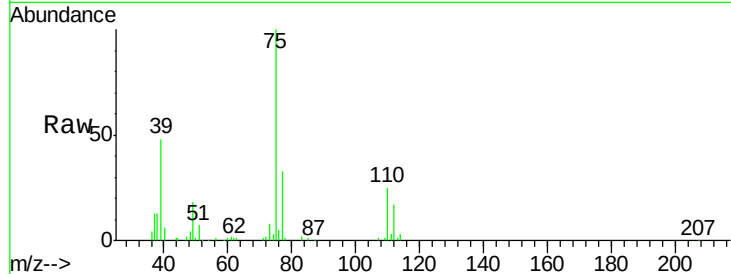
#53
 t-1,3-Dichloropropene
 Concen: 23.041 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBS01

Tot Ion: 75 Resp: 77959
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.8 38.6

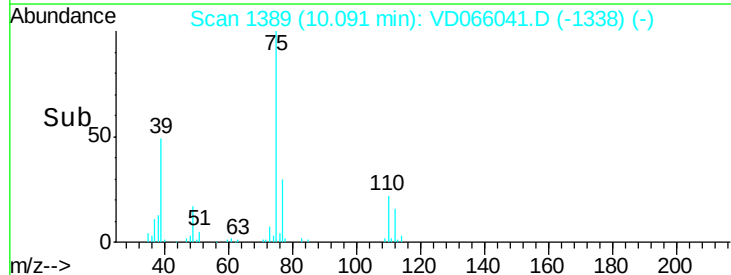
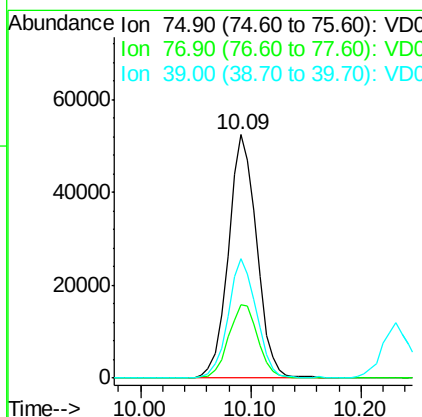
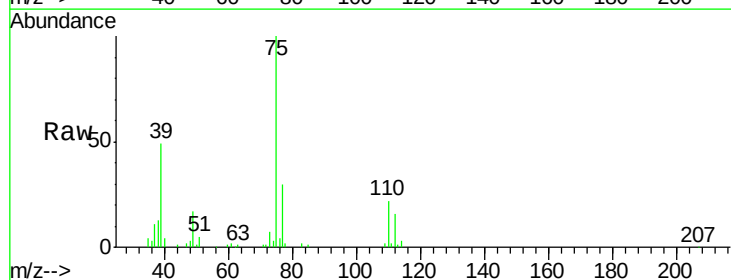
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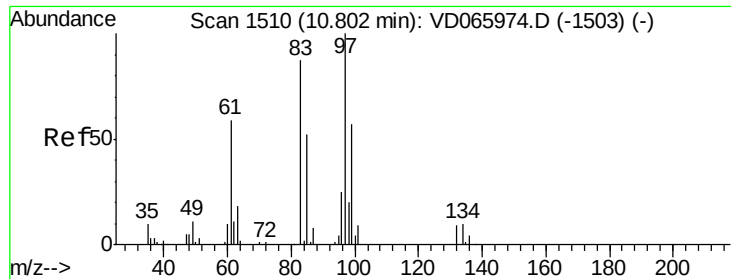
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#54
 cis-1,3-Dichloropropene
 Concen: 23.005 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Tgt Ion: 75 Resp: 94352
 Ion Ratio Lower Upper
 75 100
 77 30.3 23.8 35.8
 39 49.3 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 23.231 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBS01

Tot Ion: 97 Resp: 45255

Ion Ratio Lower Upper

97 100

83 80.5 69.7 104.5

85 56.2 41.6 62.4

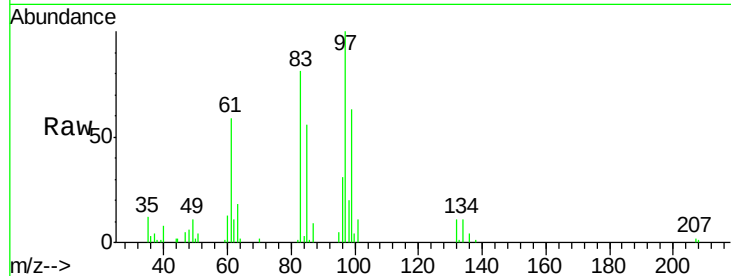
99 62.9 45.9 68.9

Manual Integrations

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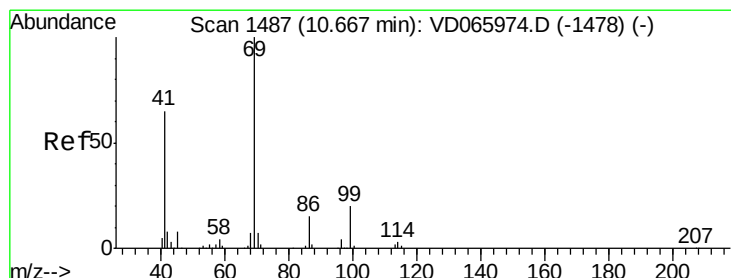
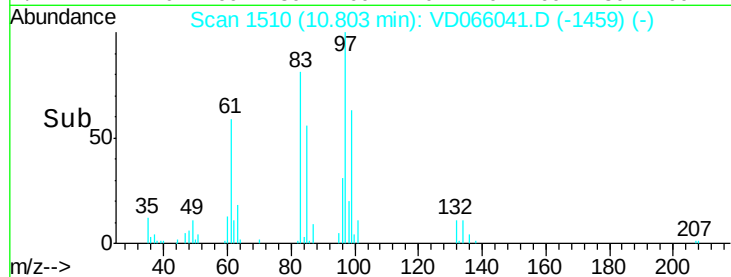
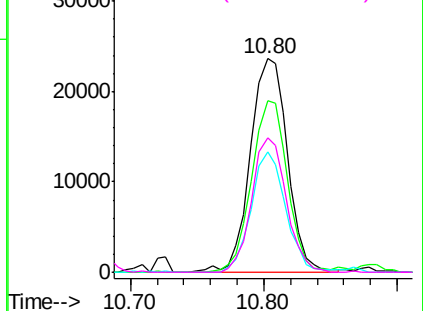


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 21.706 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Tgt Ion: 69 Resp: 49161

Ion Ratio Lower Upper

69 100

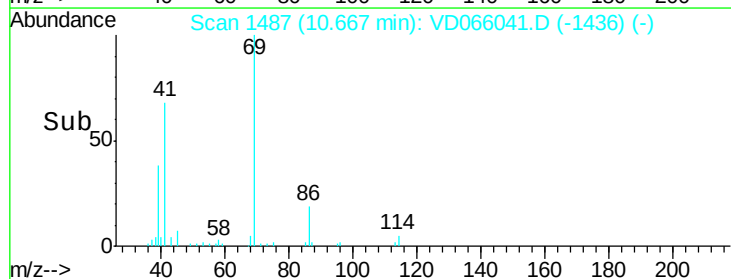
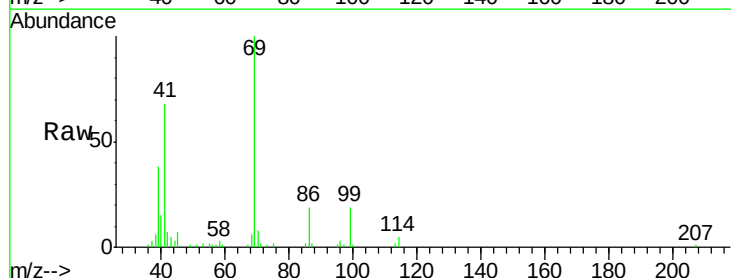
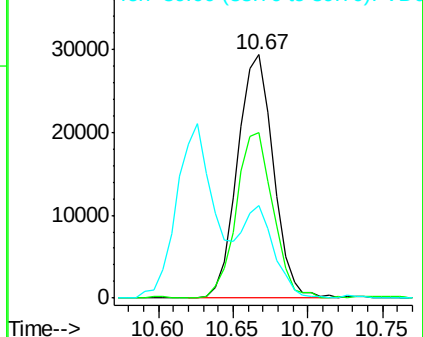
41 69.3 52.3 78.5

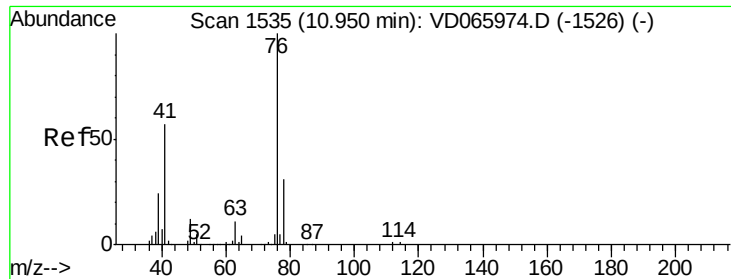
39 33.7 25.2 37.8

Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





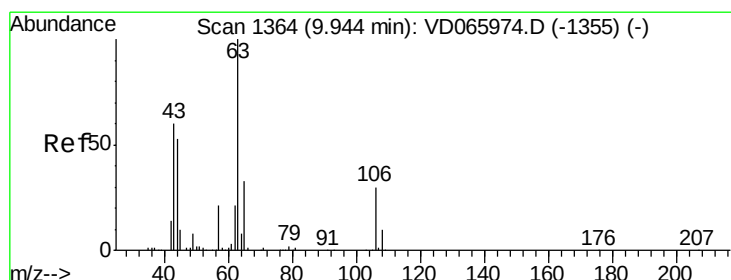
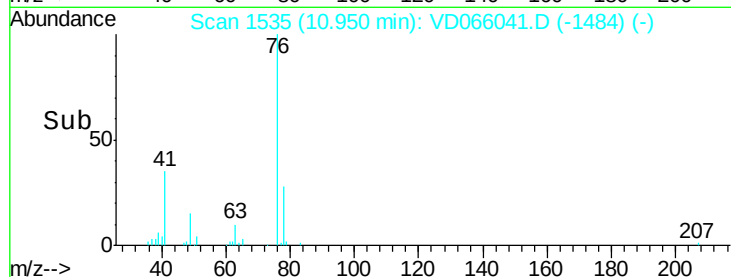
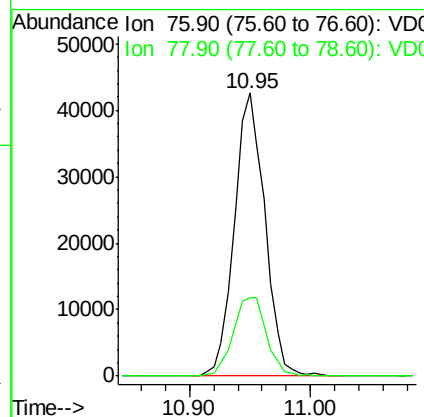
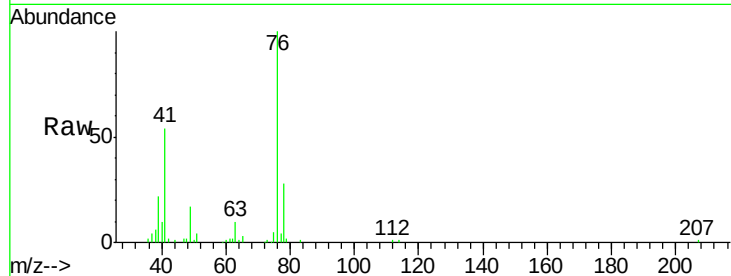
#57
 1,3-Dichloropropane
 Concen: 23.254 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBSD01

Tot Ion: 76 Resp: 74989
 Ion Ratio Lower Upper
 76 100
 78 30.4 25.6 38.4

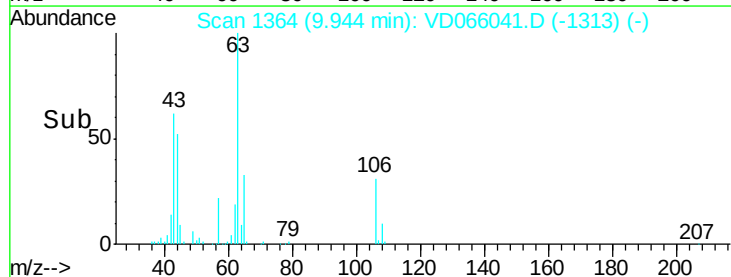
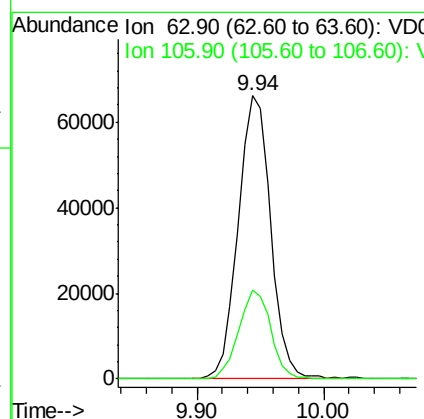
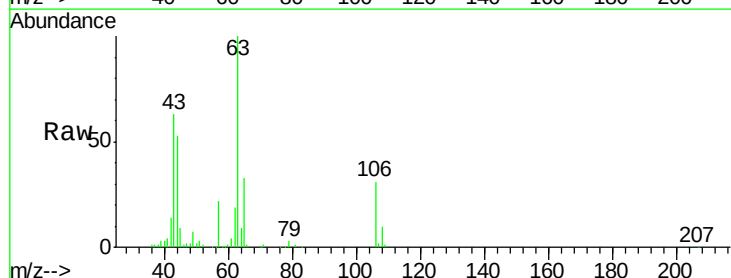
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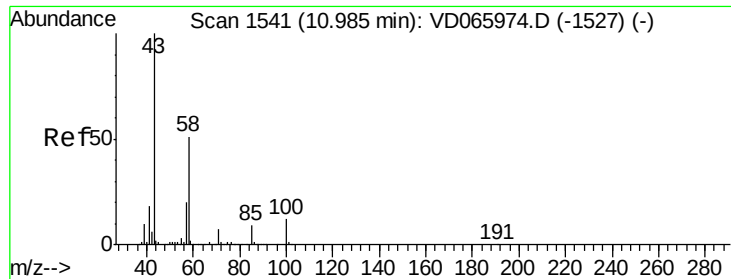
MMDadoda
 7/27/2020 12:03:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.526 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Tgt Ion: 63 Resp: 117418
 Ion Ratio Lower Upper
 63 100
 106 31.1 24.4 36.6





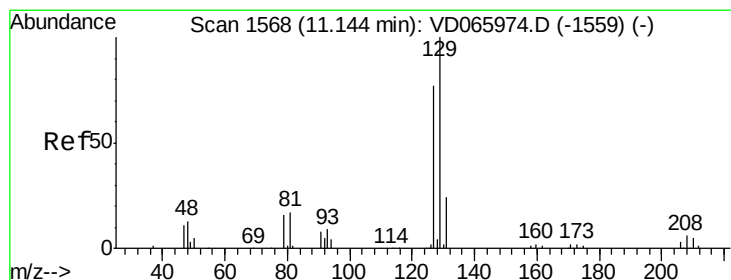
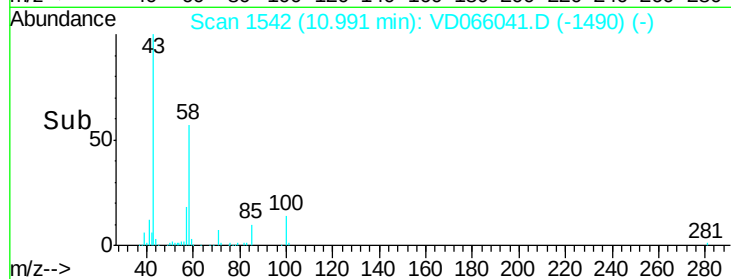
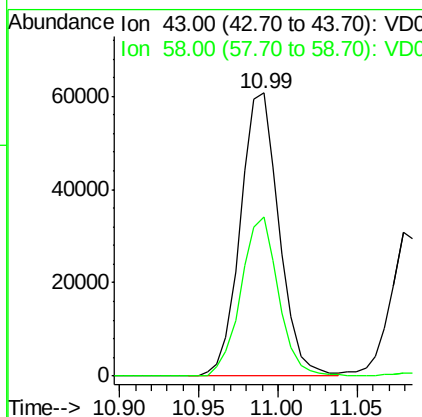
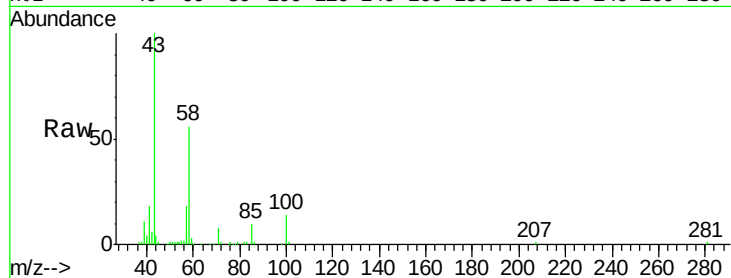
#59
2-Hexanone
Concen: 104.826 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0724SBS01

Tot Ion: 43 Resp: 102806
Ion Ratio Lower Upper
43 100
58 54.6 26.2 78.6

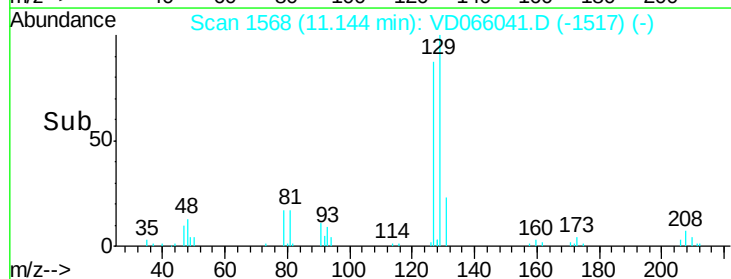
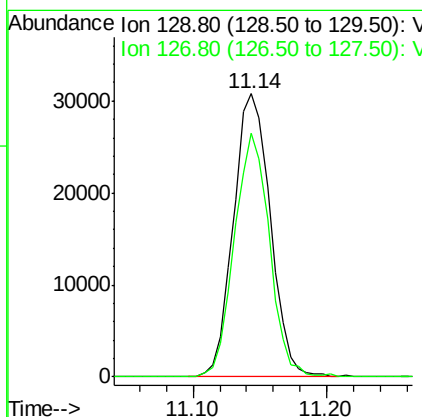
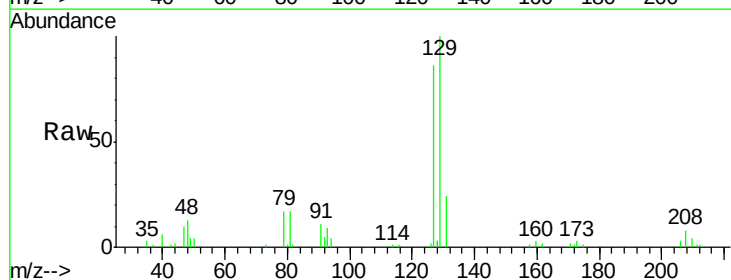
Manual Integrations
APPROVED

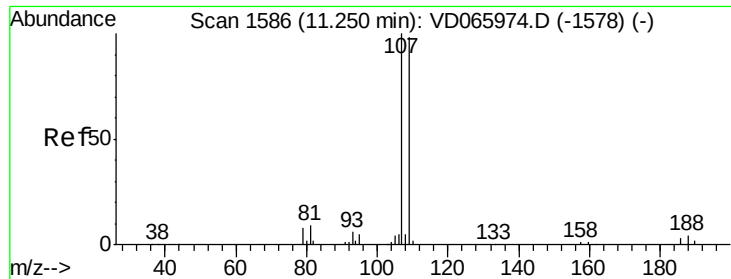
MMDadoda
7/27/2020 12:03:48 PM



#60
Dibromochloromethane
Concen: 22.436 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tgt Ion:129 Resp: 58930
Ion Ratio Lower Upper
129 100
127 81.8 38.6 115.7





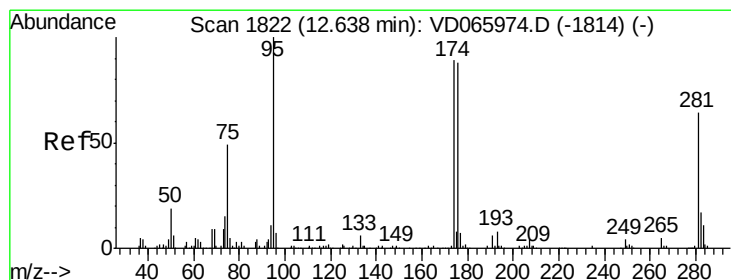
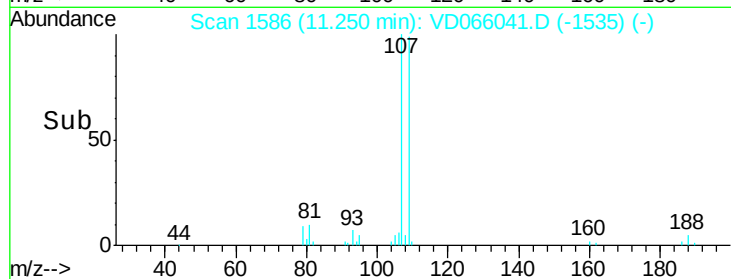
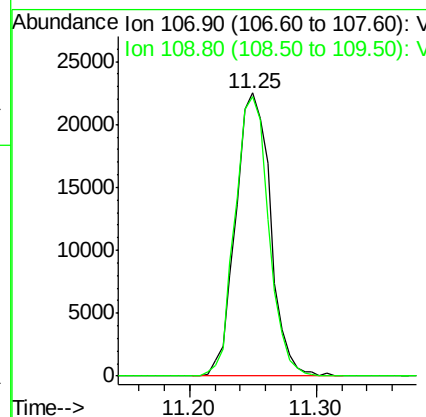
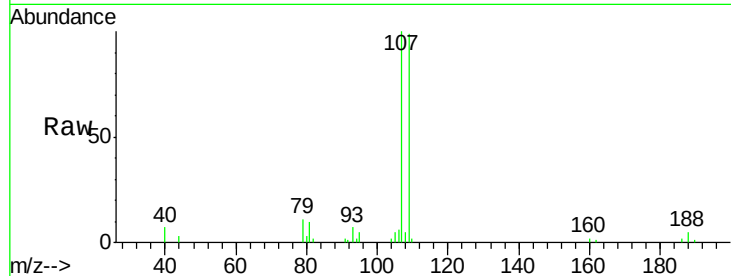
#61
 1,2-Dibromoethane
 Concen: 22.745 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBS01

Tot Ion: 107 Resp: 42720
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.0 112.4

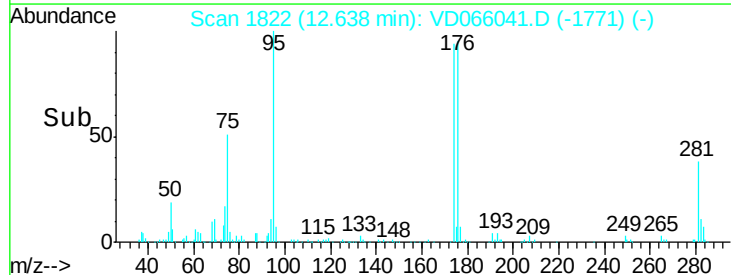
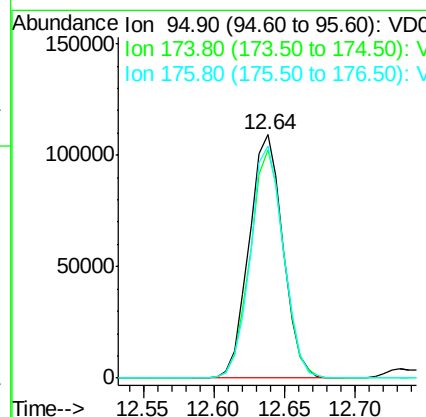
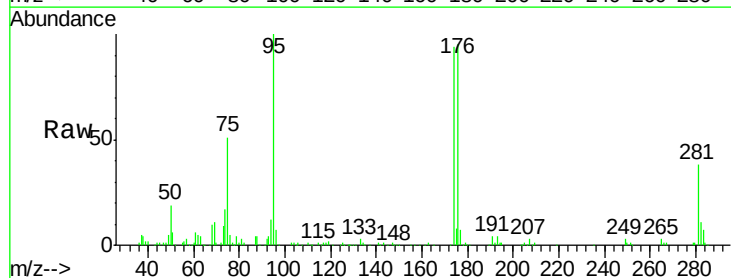
Manual Integrations
 APPROVED

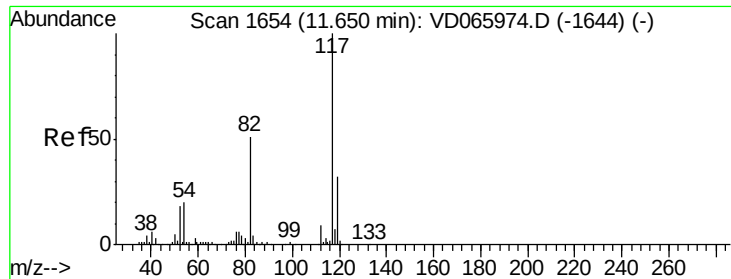
MMDadoda
 7/27/2020 12:03:48 PM



#62
 4-Bromofluorobenzene
 Concen: 53.283 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Tgt Ion: 95 Resp: 184184
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 178.8
 176 93.3 0.0 172.6





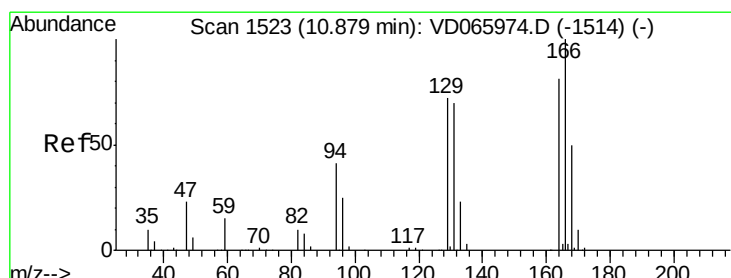
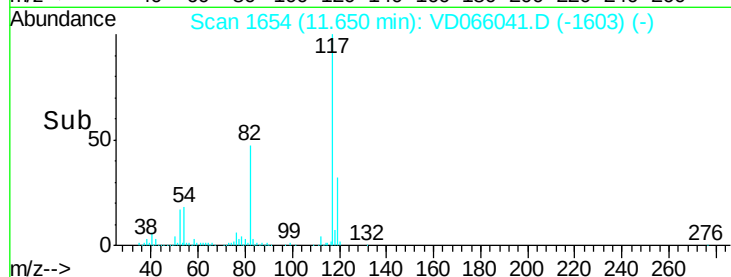
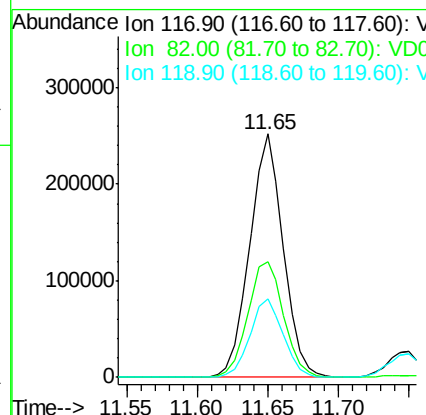
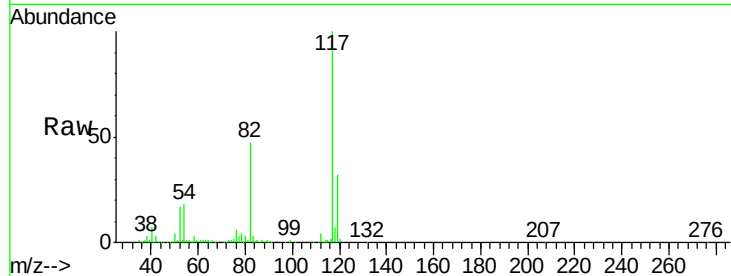
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0724SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.4	41.1	61.7
119	32.4	25.9	38.9

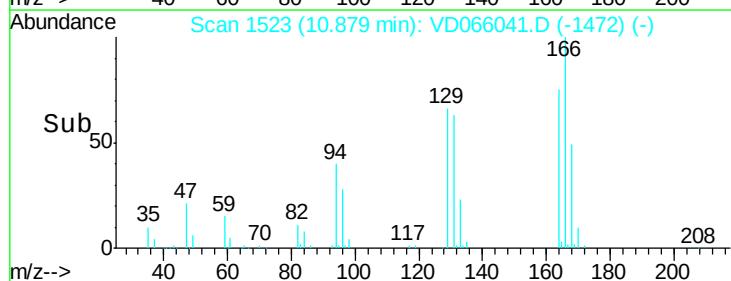
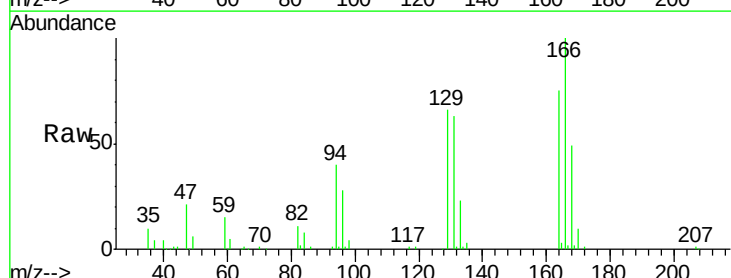
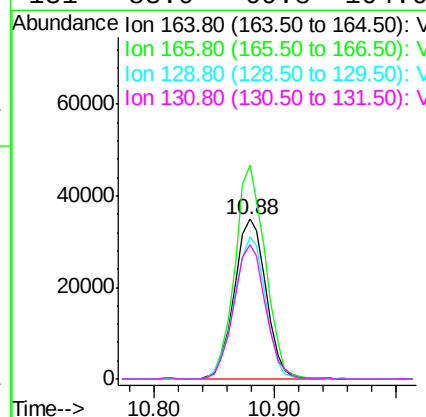
Manual Integrations
APPROVED

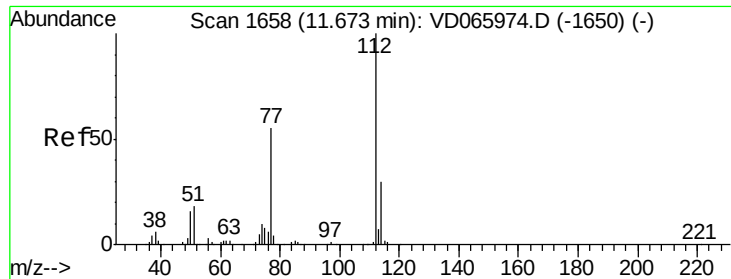
MMDadoda
7/27/2020 12:03:48 PM



#64
Tetrachloroethene
Concen: 22.542 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.5	99.1	148.7
129	88.7	71.5	107.3
131	83.9	69.8	104.6





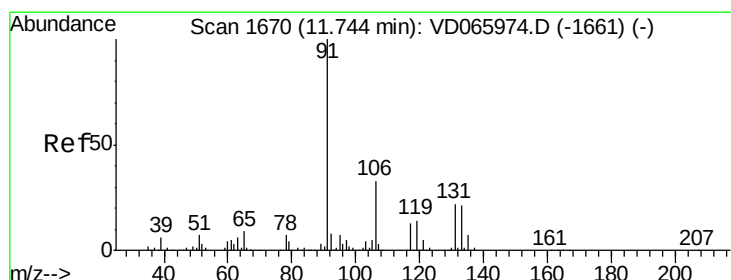
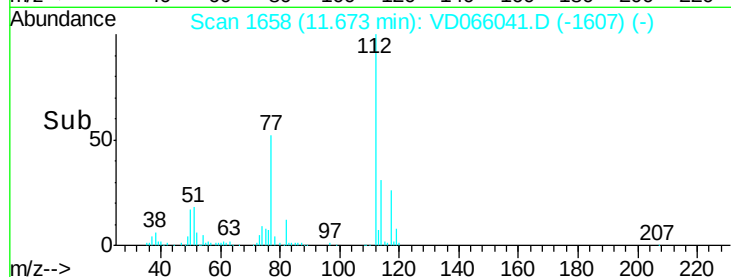
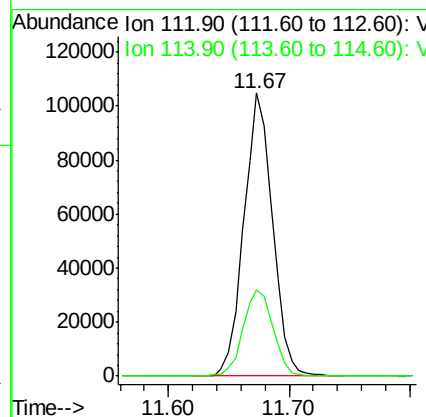
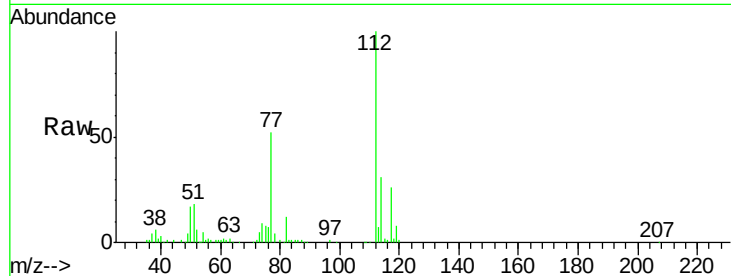
#65
Chlorobenzene
Concen: 22.643 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0724SBS01

Tot Ion:112 Resp: 173447
Ion Ratio Lower Upper
112 100
114 30.7 24.4 36.6

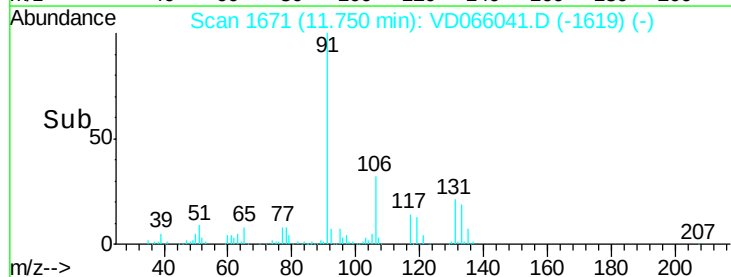
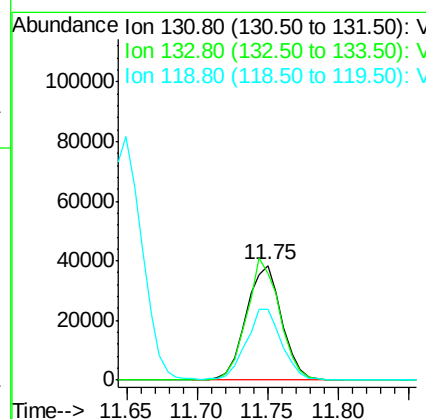
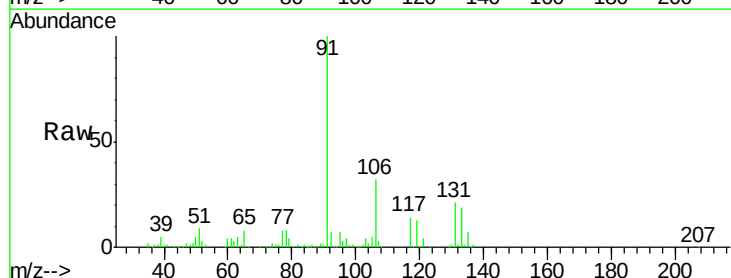
Manual Integrations
APPROVED

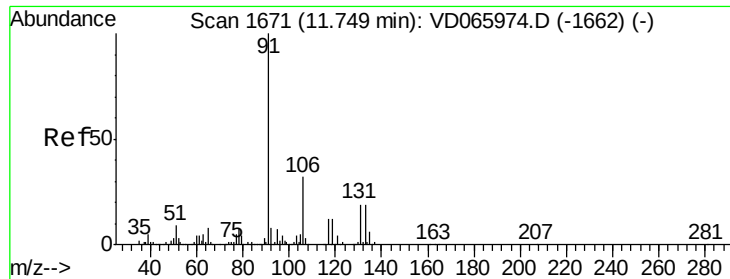
MMDadoda
7/27/2020 12:03:48 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 24.006 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tgt Ion:131 Resp: 67898
Ion Ratio Lower Upper
131 100
133 98.9 47.3 142.0
119 62.0 31.7 95.1





#67

Ethyl Benzene

Concen: 22.978 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBS01

Tot Ion: 91 Resp: 302907

Ion Ratio Lower Upper

91 100

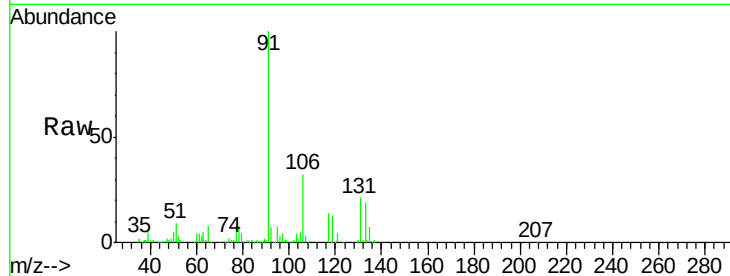
106 31.7 25.7 38.5

Manual Integrations

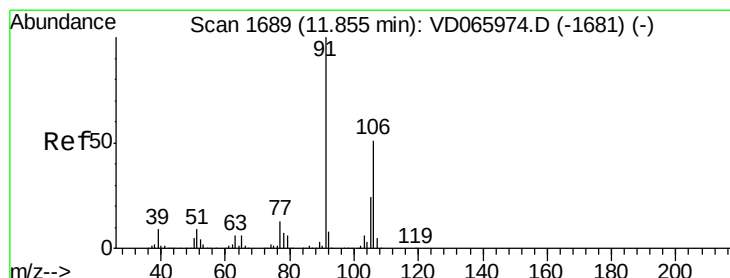
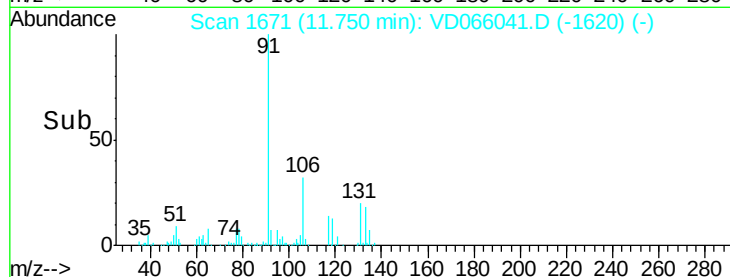
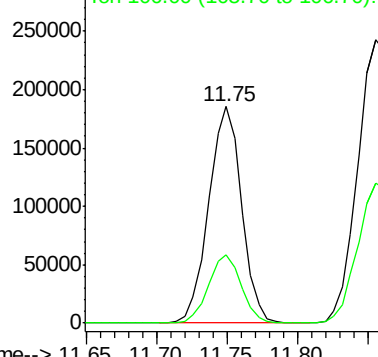
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7/27/2020 12:03:48 PM



Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1662) (-)



#68

m/p-Xylenes

Concen: 46.765 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066041.D

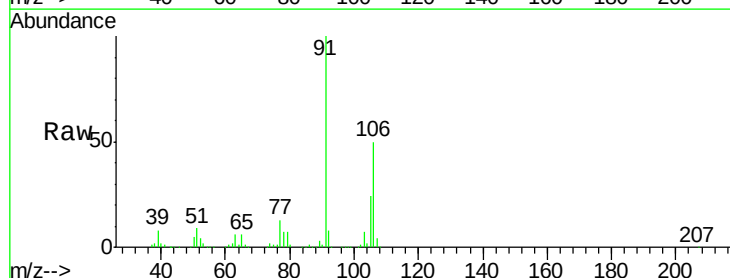
Acq: 24 Jul 2020 12:27

Tgt Ion: 106 Resp: 236943

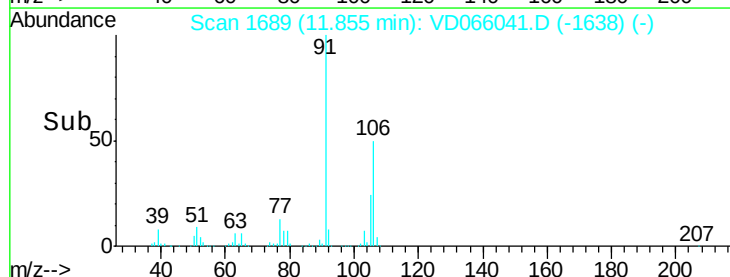
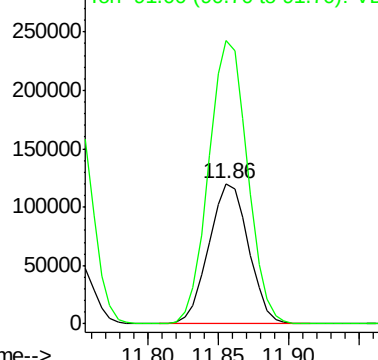
Ion Ratio Lower Upper

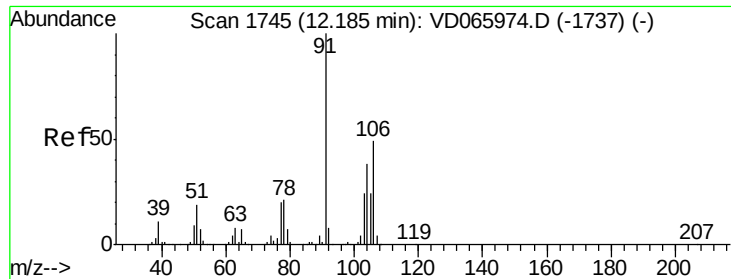
106 100

91 197.5 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): VD065974.D (-1681) (-)





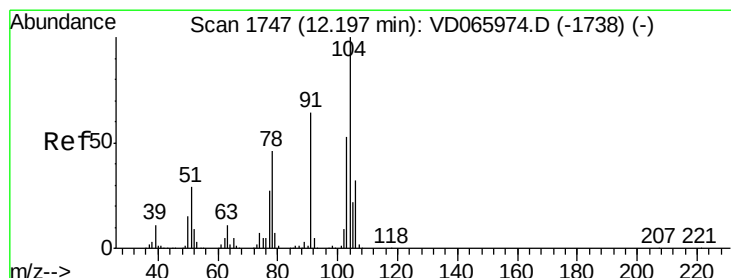
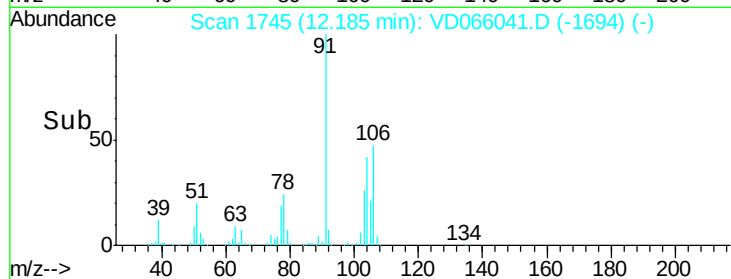
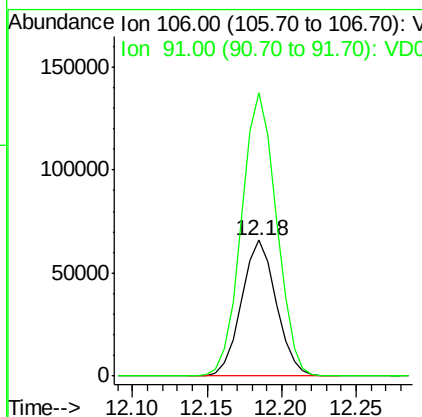
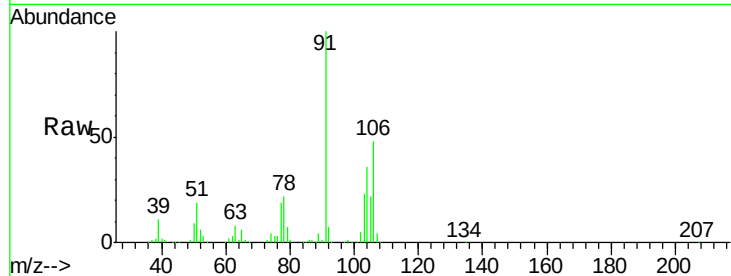
#69
o-Xylene
Concen: 23.162 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0724SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		106741		
91	209.0	103.1	309.3		

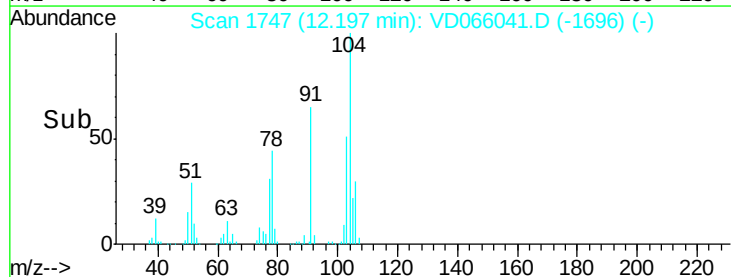
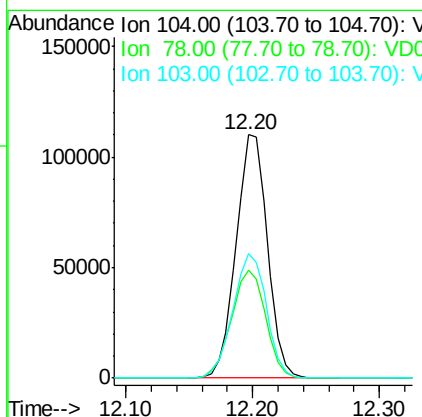
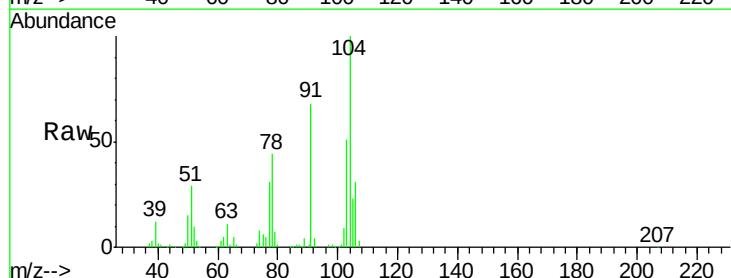
Manual Integrations
APPROVED

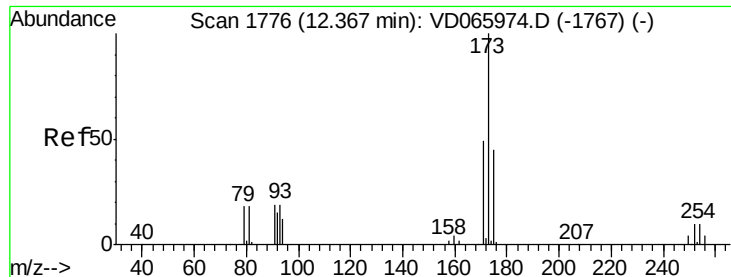
MMDadoda
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#70
Styrene
Concen: 23.850 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		188839		
78	48.3	38.3	57.5		
103	54.7	43.8	65.8		





#71

Bromoform

Concen: 22.878 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBS01

Tot Ion:173 Resp: 37903

Ion Ratio Lower Upper

173 100

175 50.1 24.1 72.3

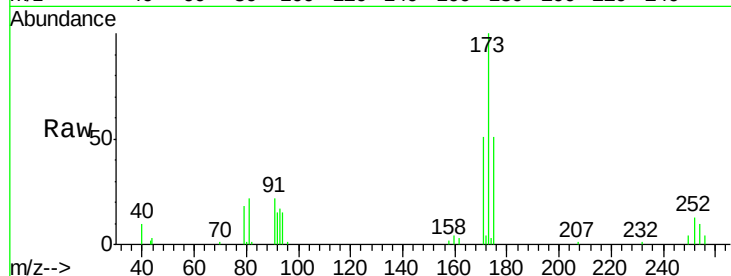
254 0.0 0.0 0.0

Manual Integrations

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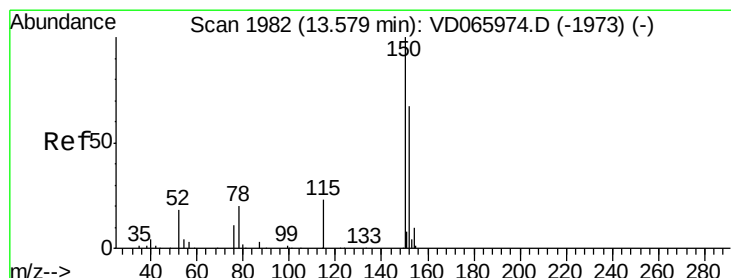
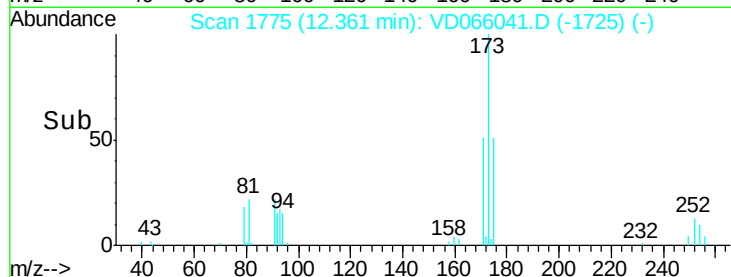
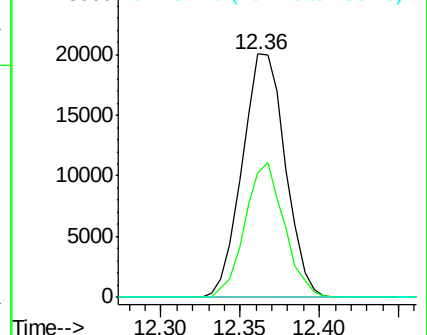
7/27/2020 12:03:48 PM



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# 1983

Delta R.T. 0.01 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

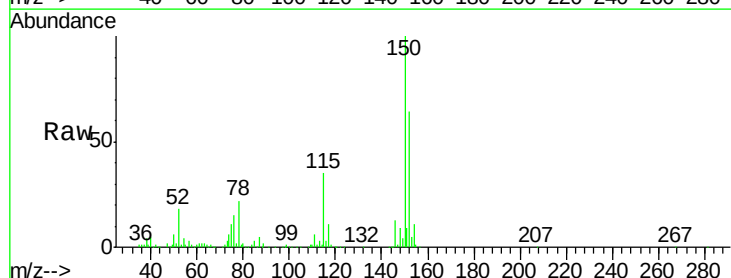
Tgt Ion:152 Resp: 220721

Ion Ratio Lower Upper

152 100

115 55.7 27.9 83.7

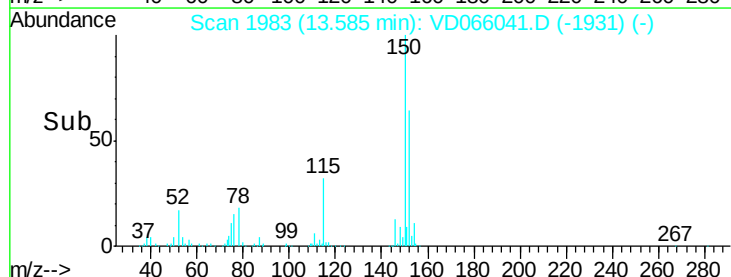
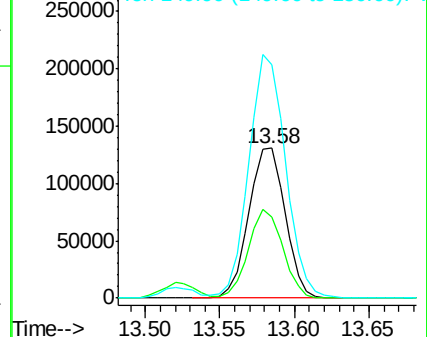
150 163.6 0.0 348.2

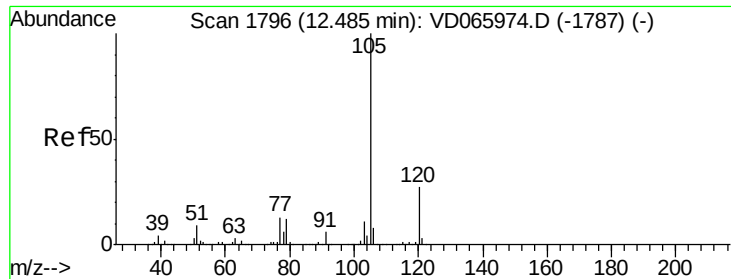


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.806 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBS01

Tot Ion:105 Resp: 304592

Ion Ratio Lower Upper

105 100

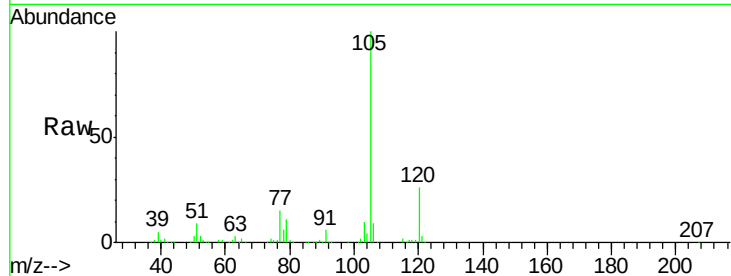
120 25.8 13.6 40.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

200000

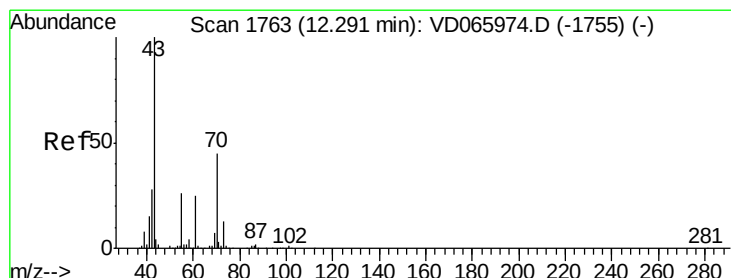
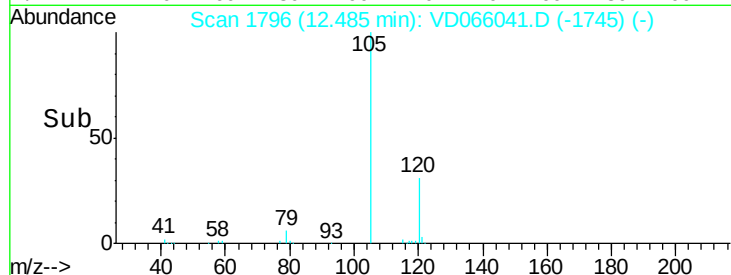
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.208 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Tgt Ion: 43 Resp: 55959

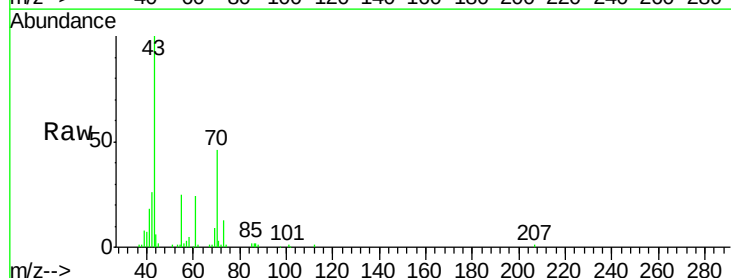
Ion Ratio Lower Upper

43 100

70 44.4 34.6 51.8

55 24.5 20.3 30.5

61 24.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

50000

40000

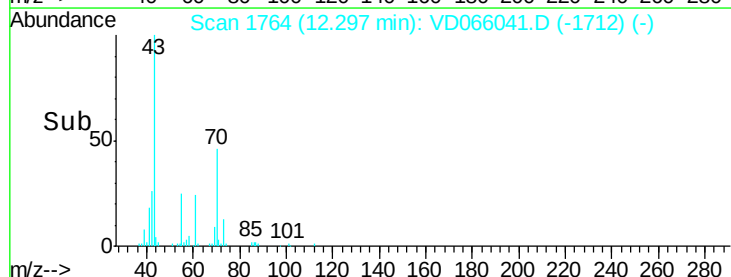
30000

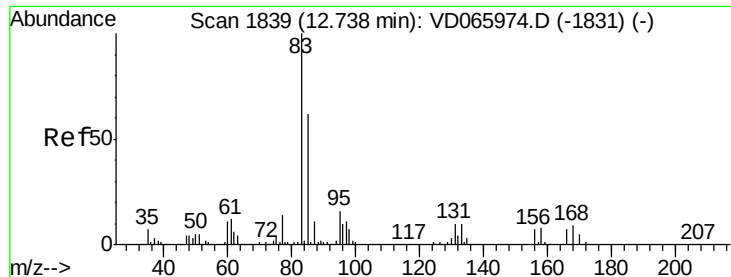
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.672 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

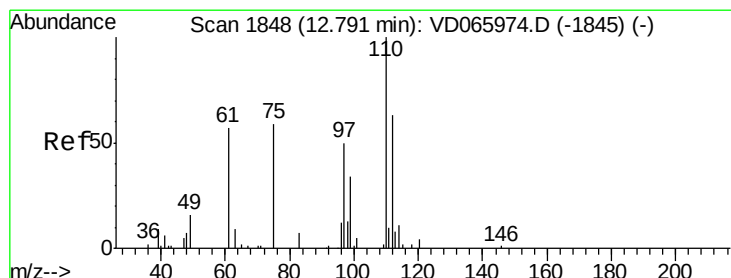
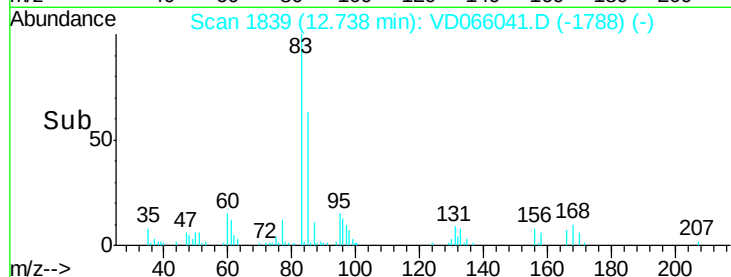
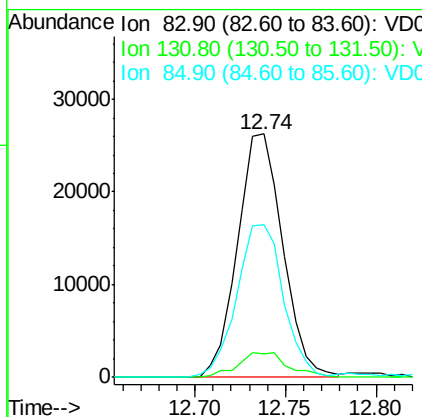
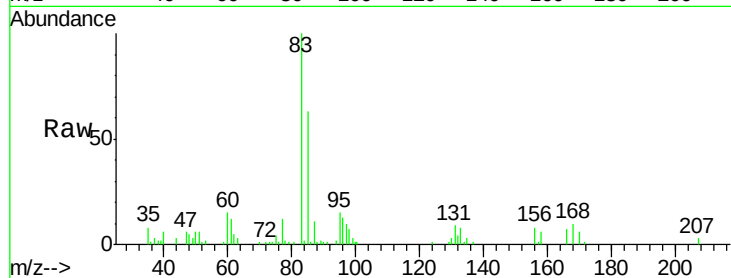
ClientSampleId :

VD0724SBS01

Tot Ion:	83	Resp:	45627
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.1
85	64.5	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.464 ug/l m

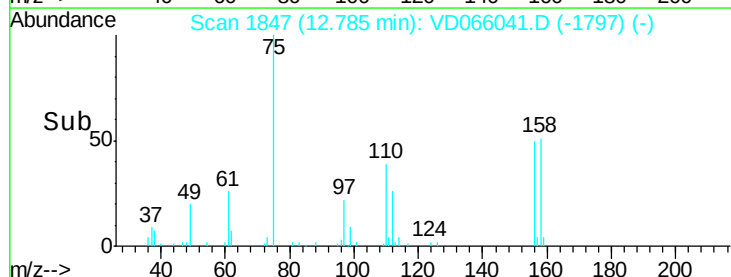
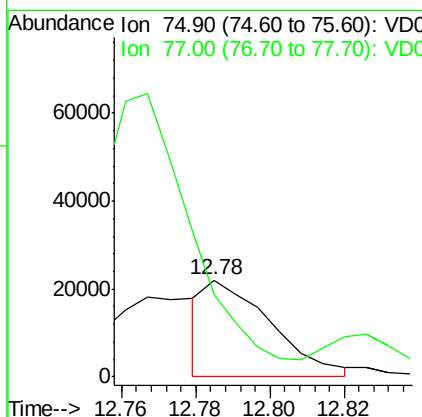
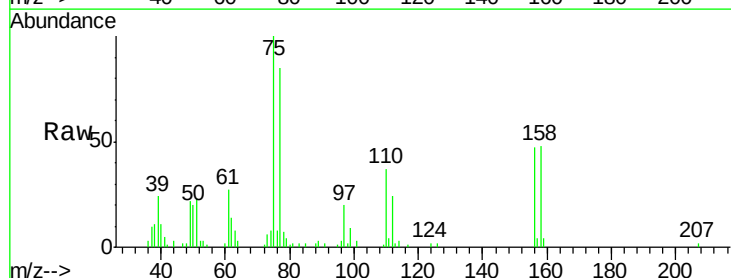
RT: 12.78 min Scan# 1847

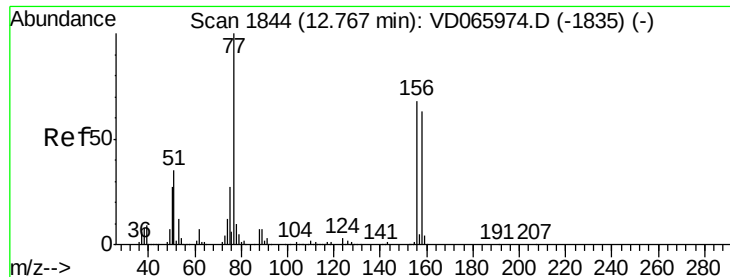
Delta R.T. -0.01 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Tgt Ion:	75	Resp:	27362
Ion Ratio	Lower	Upper	
75	100		
77	441.9	0.0	0.0#





#77

Bromobenzene

Concen: 22.306 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBSD01

Tot Ion:156 Resp: 76136

Ion Ratio Lower Upper

156 100

77 158.8 83.0 249.0

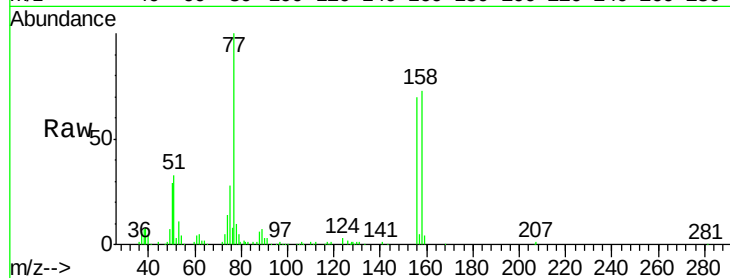
158 99.0 48.2 144.6

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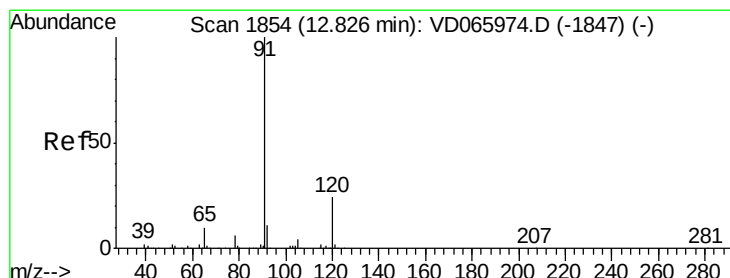
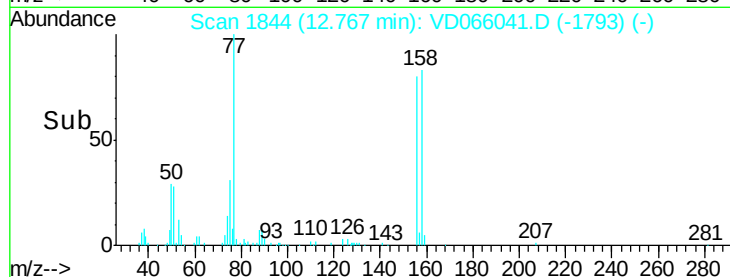
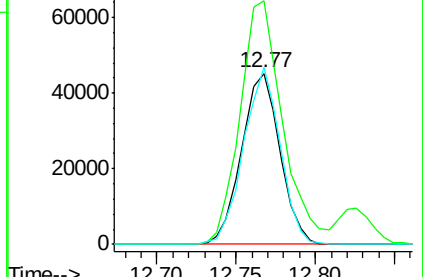
7/27/2020 12:03:48 PM



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: 22.808 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD066041.D

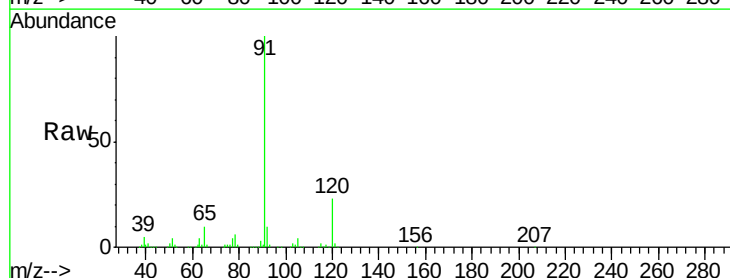
Acq: 24 Jul 2020 12:27

Tgt Ion: 91 Resp: 353479

Ion Ratio Lower Upper

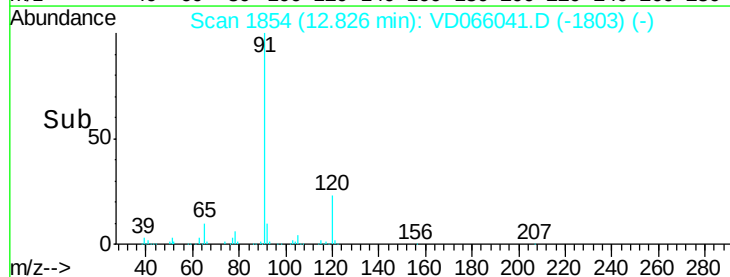
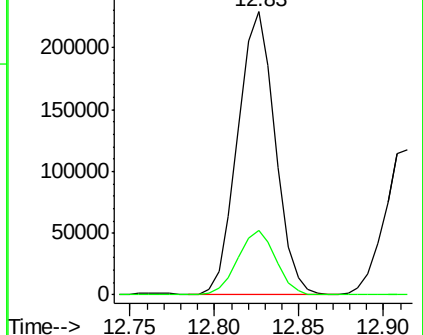
91 100

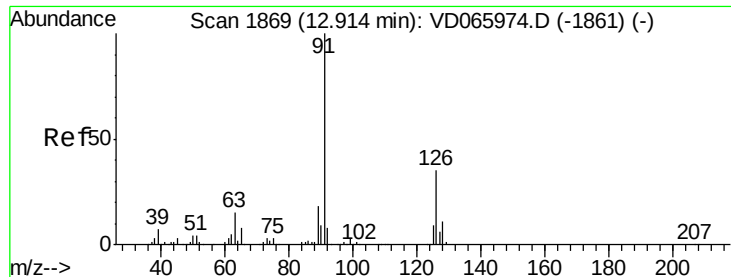
120 23.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





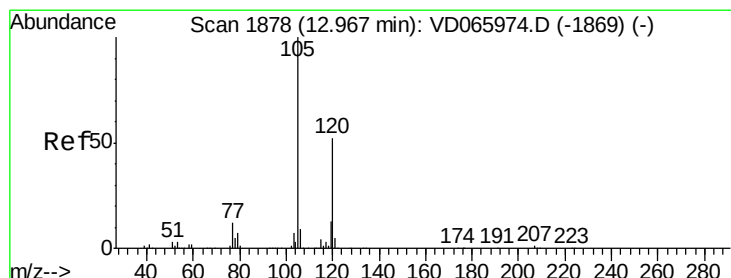
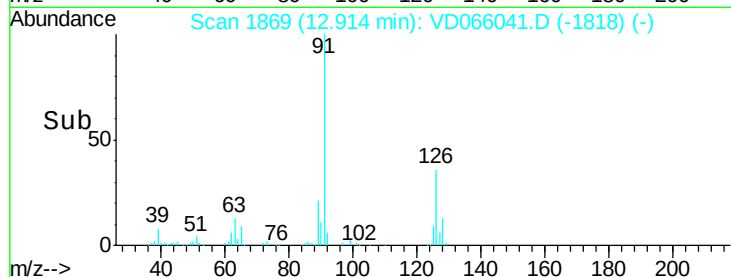
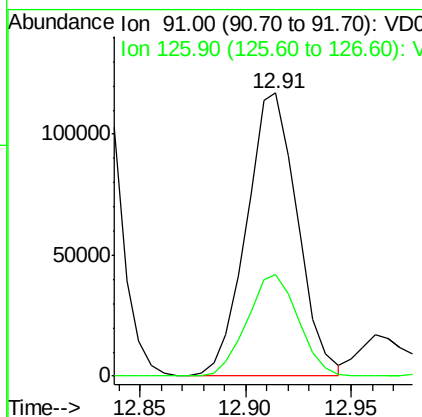
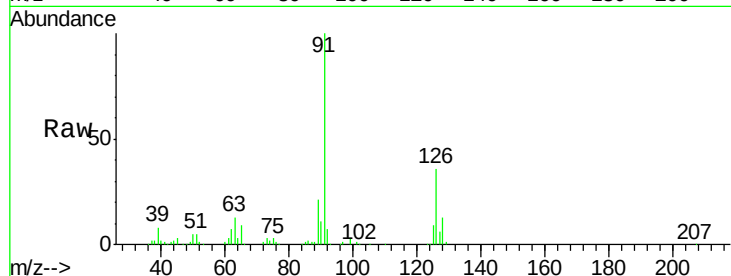
#79
2-Chlorotoluene
Concen: 22.103 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0724SBS01

Tot Ion: 91 Resp: 195705
Ion Ratio Lower Upper
91 100
126 36.4 17.7 53.1

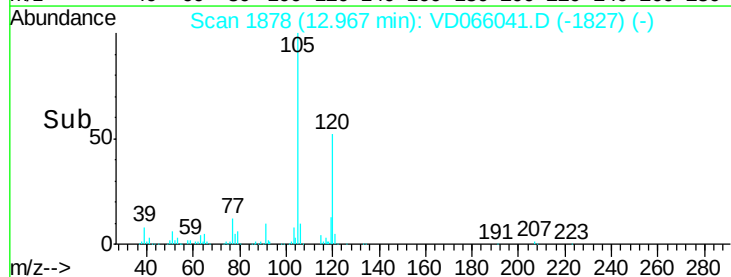
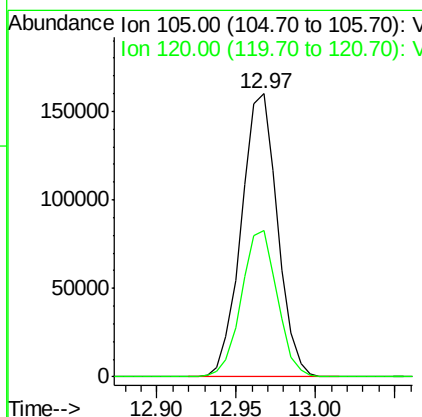
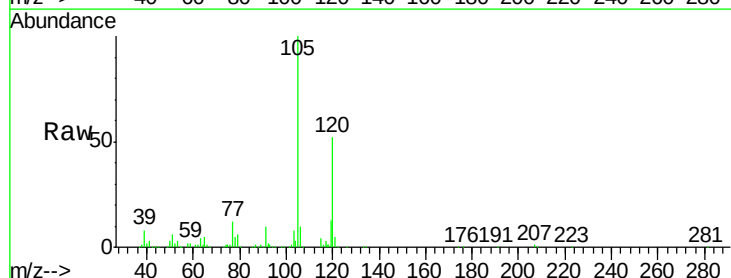
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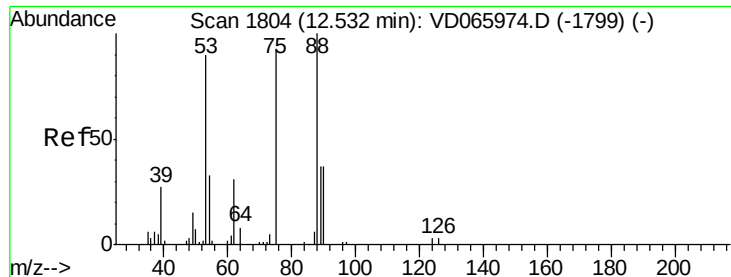
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 23.063 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tgt Ion: 105 Resp: 253072
Ion Ratio Lower Upper
105 100
120 51.3 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.473 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

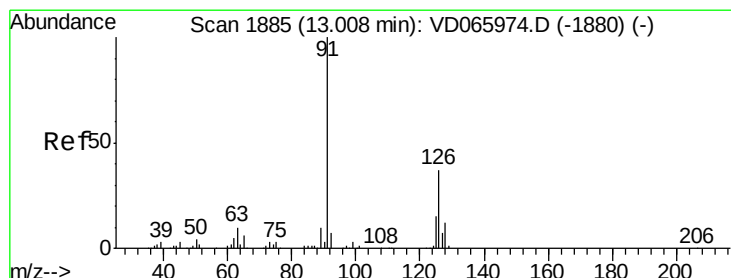
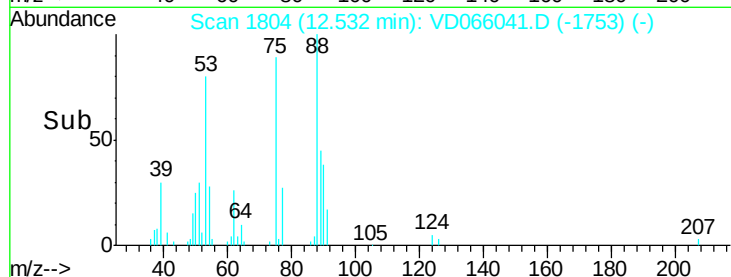
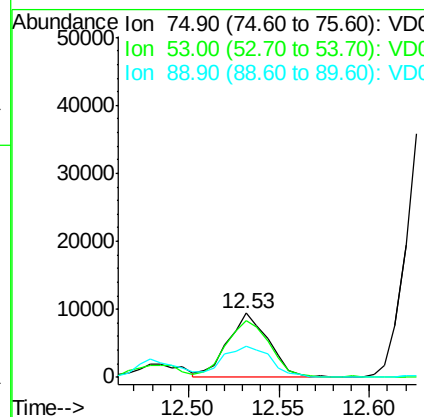
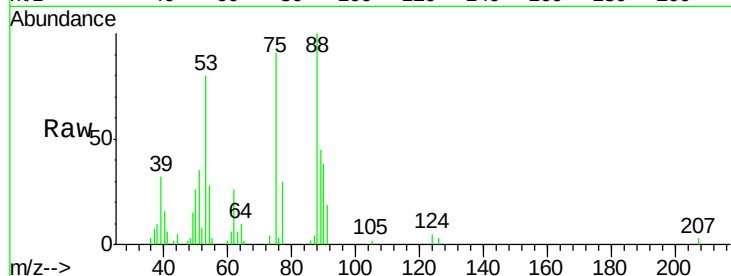
ClientSampleId :

VD0724SBS01

Tot Ion:	75	Resp:	14828
Ion Ratio	Lower	Upper	
75	100		
53	94.9	76.8	115.2
89	56.6	37.0	55.4#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.415 ug/l

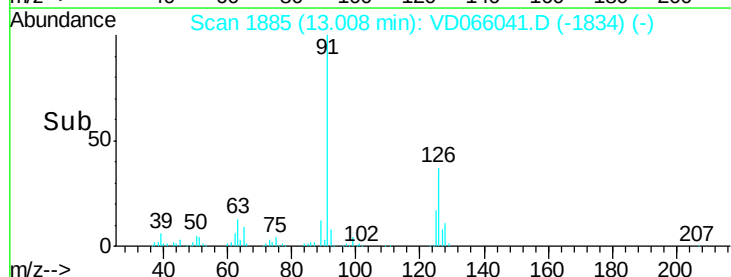
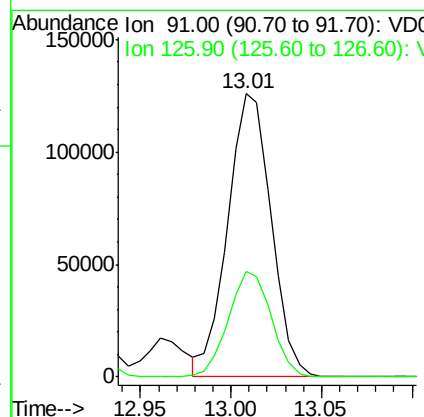
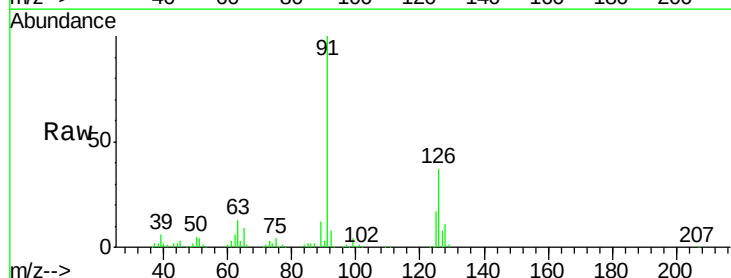
RT: 13.01 min Scan# 1885

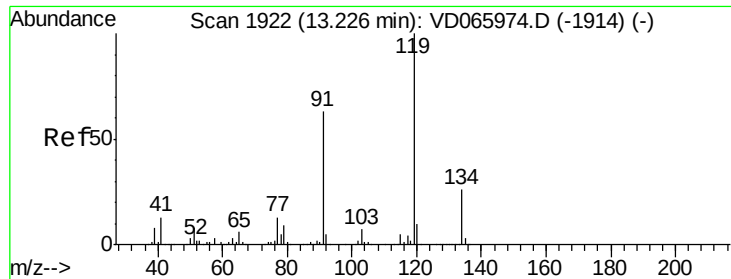
Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Tgt Ion:	91	Resp:	209487
Ion Ratio	Lower	Upper	
91	100		
126	36.8	17.8	53.5





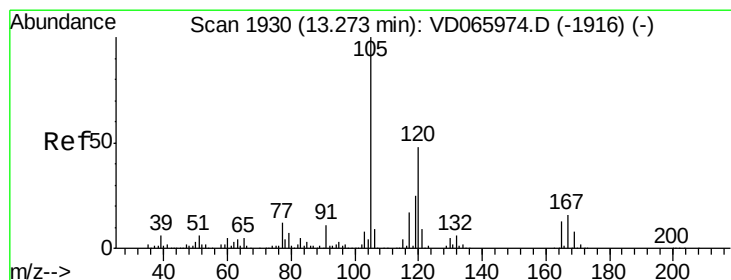
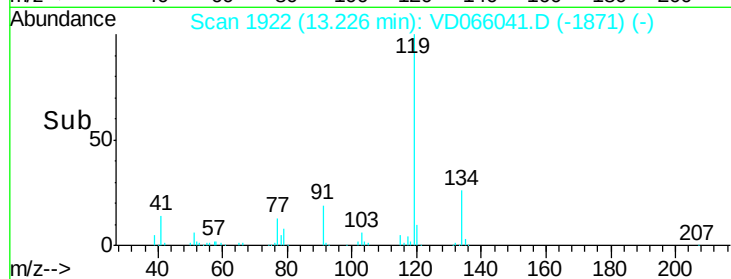
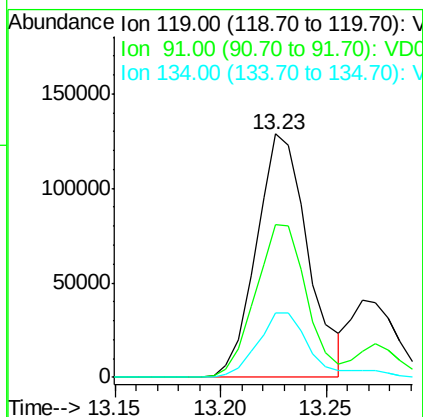
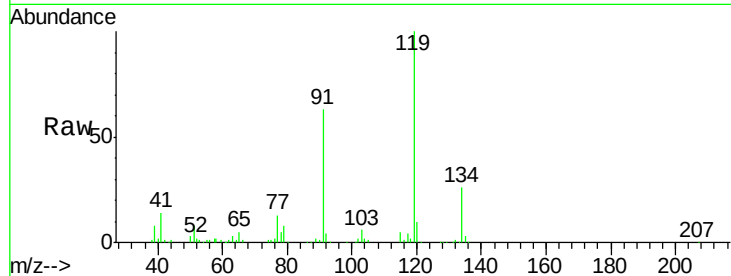
#83
tert-Butylbenzene
Concen: 22.736 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0724SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	218306		
91	62.3	30.6	91.6	
134	27.7	13.9	41.7	

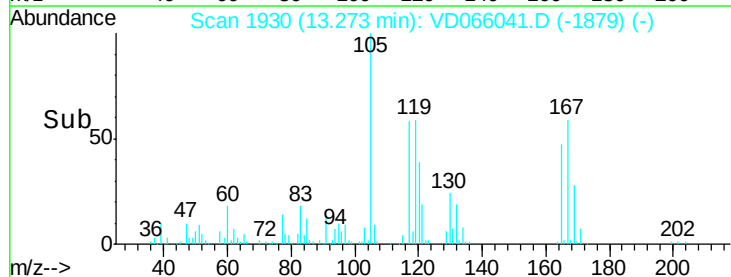
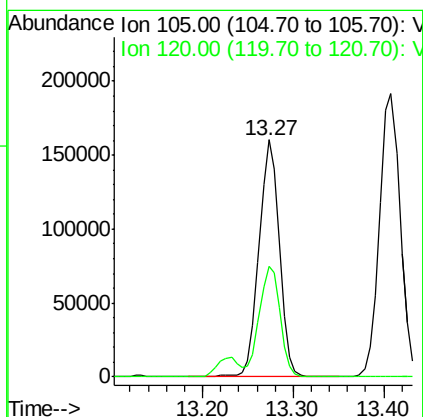
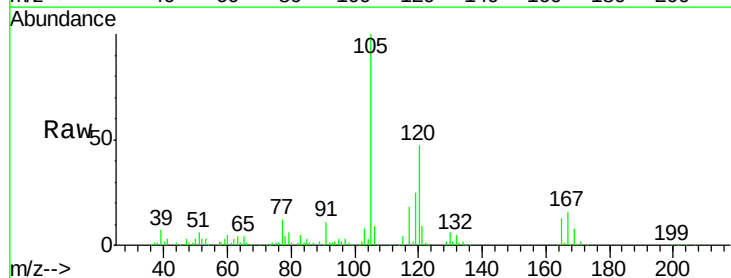
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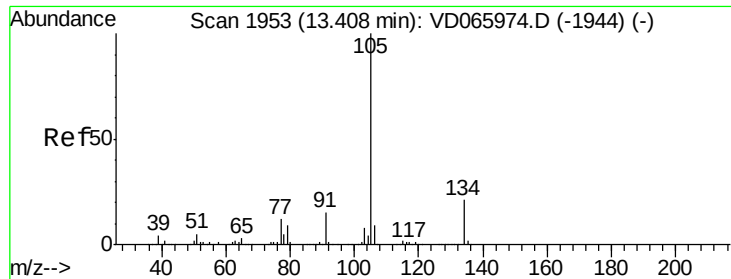
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#84
1,2,4-Trimethylbenzene
Concen: 23.251 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	251710		
120	48.1	23.9	71.8	





#85

sec-Butylbenzene

Concen: 22.885 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0724SBS01

Tot Ion:105 Resp: 302672

Ion Ratio Lower Upper

105 100

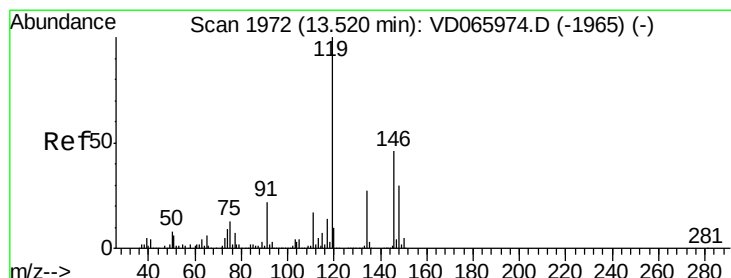
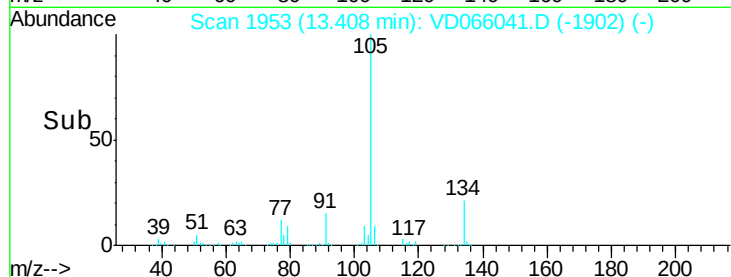
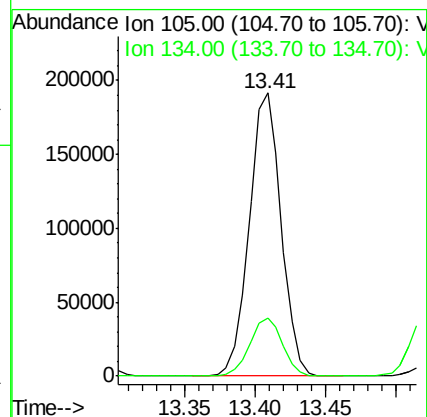
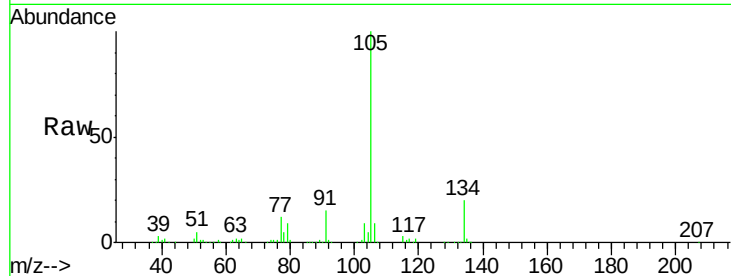
134 21.0 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 23.841 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

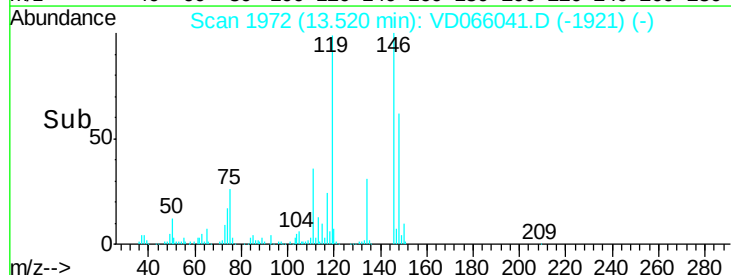
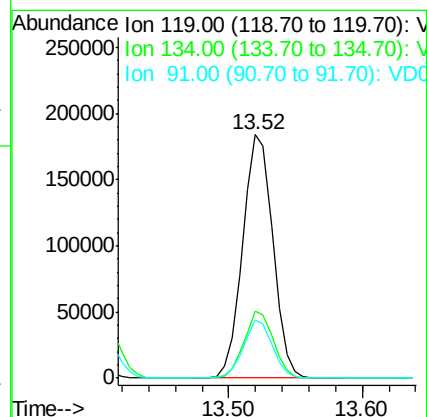
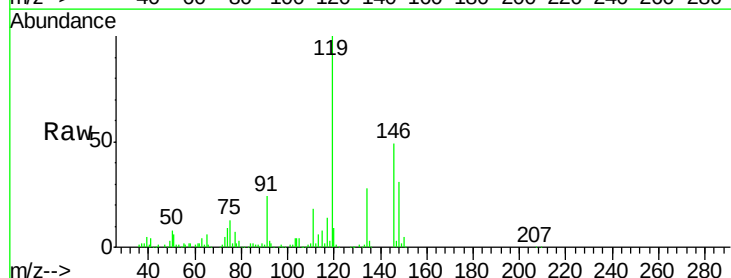
Tgt Ion:119 Resp: 286459

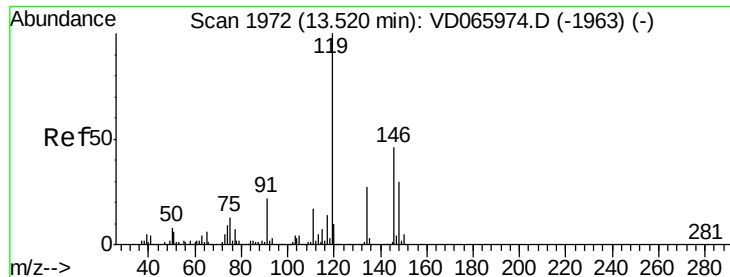
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.8 11.1 33.3





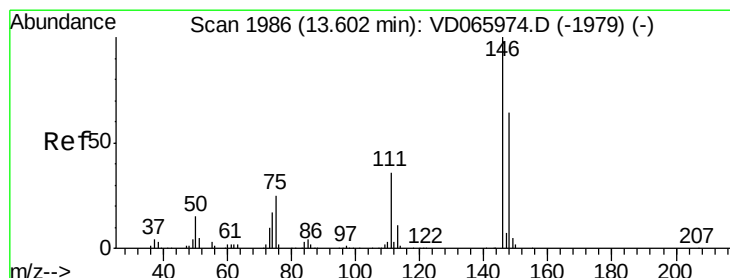
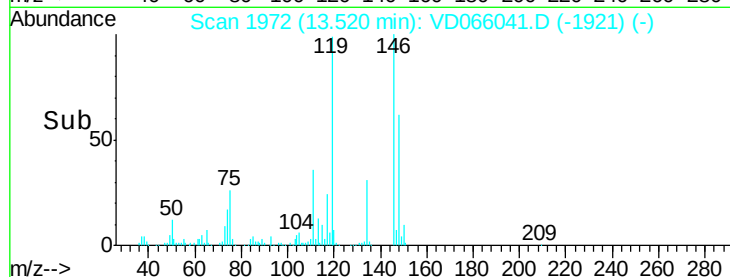
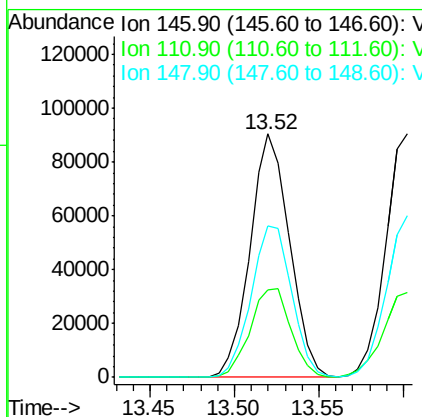
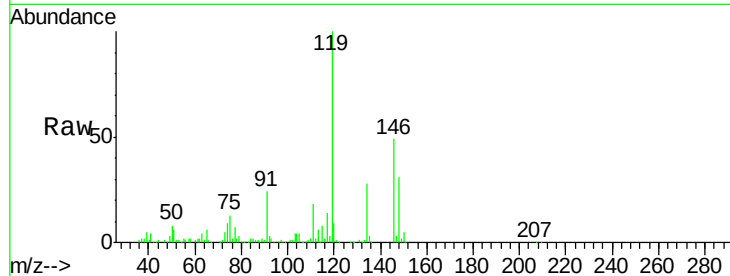
#87
 1,3-Dichlorobenzene
 Concen: 23.245 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.6
148	64.0	32.4	97.0

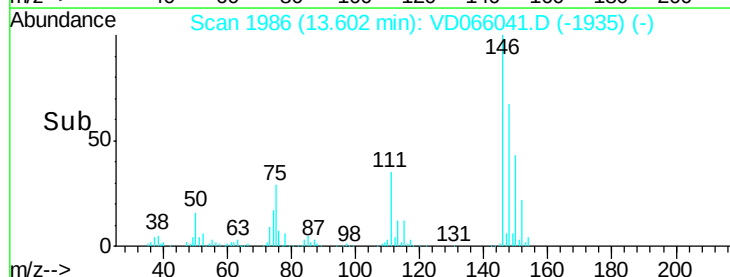
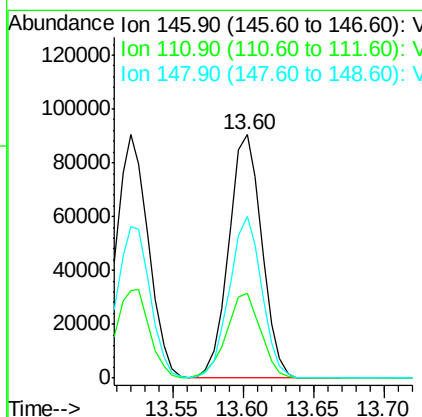
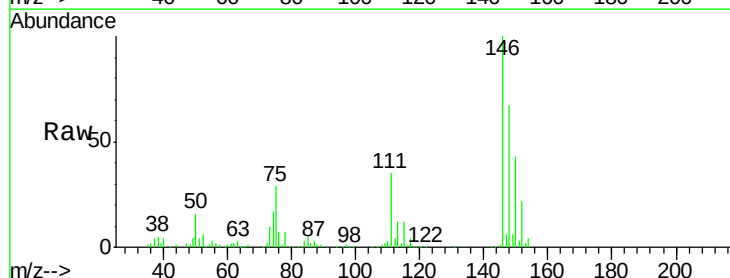
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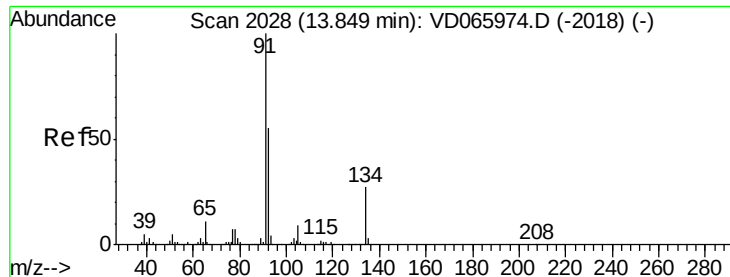
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#88
 1,4-Dichlorobenzene
 Concen: 23.097 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.8	56.4
148	65.1	32.2	96.6





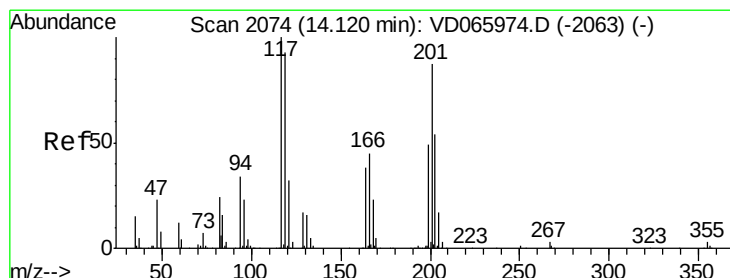
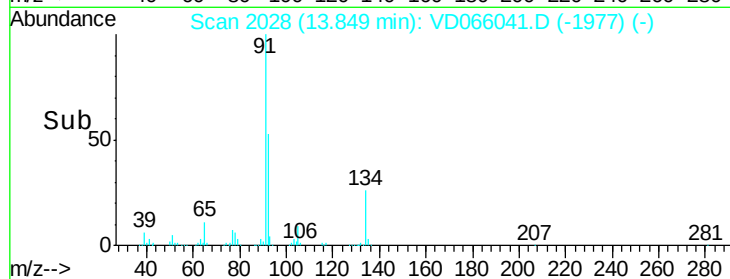
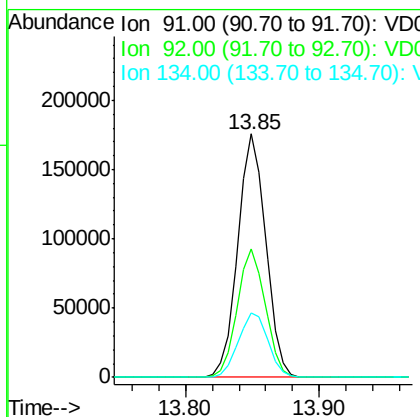
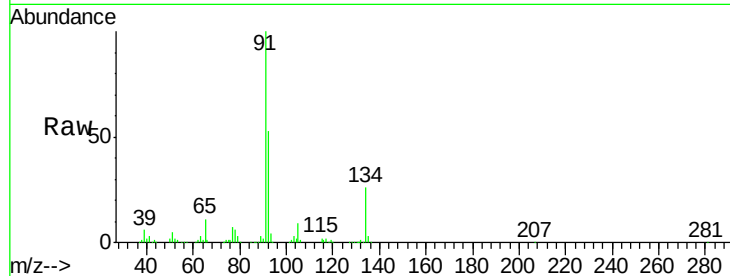
#89
n-Butylbenzene
Concen: 22.841 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0724SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.2	81.6
134	28.0	13.8	41.4

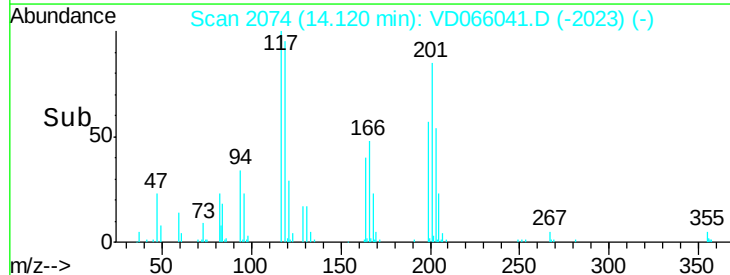
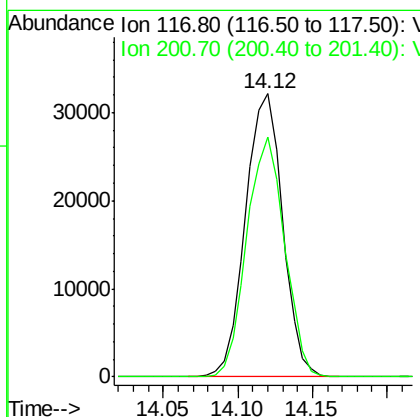
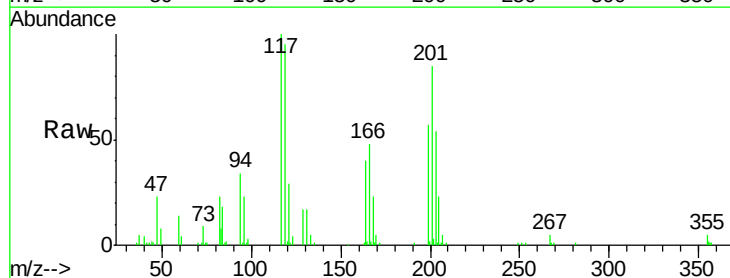
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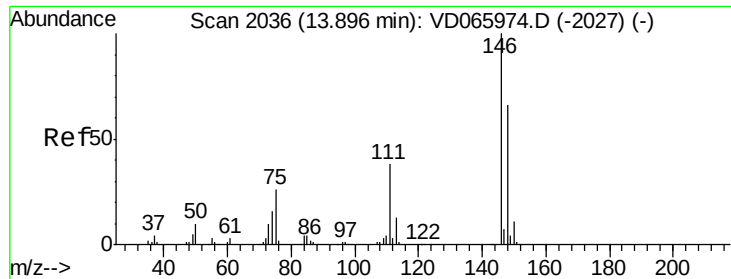
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#90
Hexachloroethane
Concen: 22.261 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066041.D
Acq: 24 Jul 2020 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	42.0	126.1





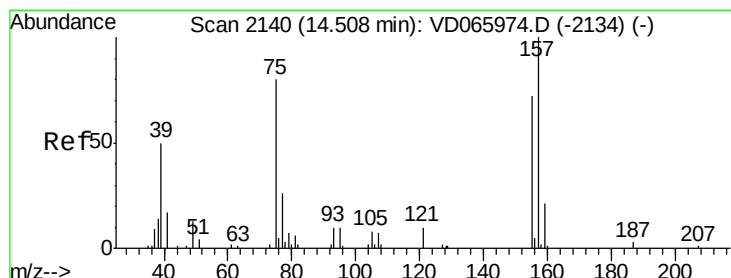
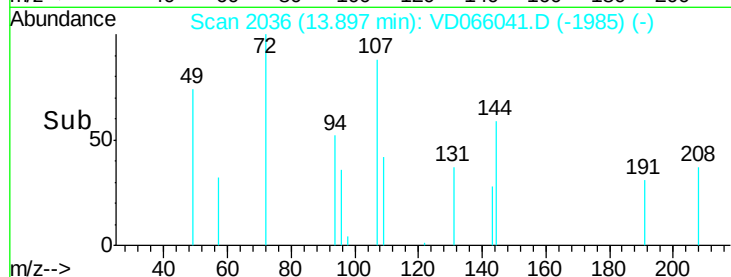
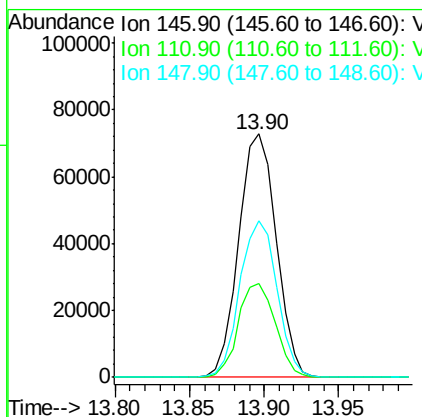
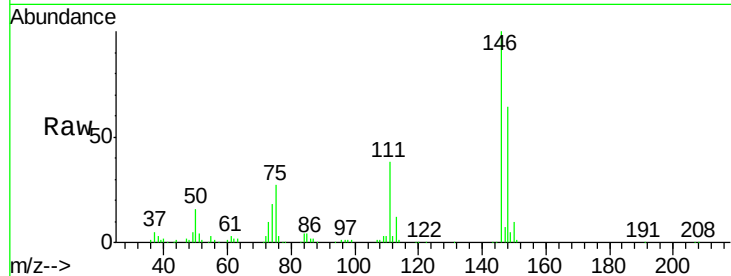
#91
 1,2-Dichlorobenzene
 Concen: 23.224 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	63.4	32.7	98.1

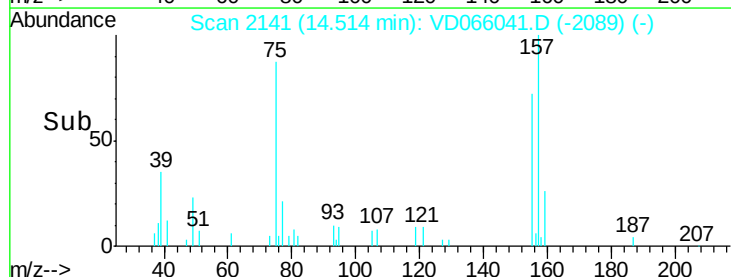
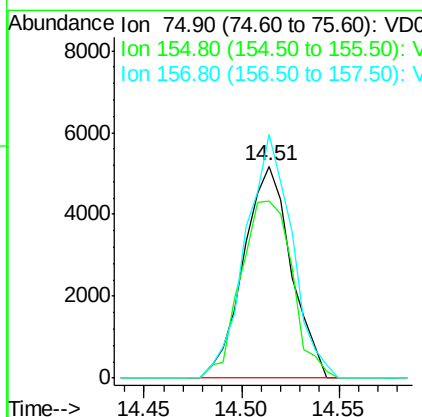
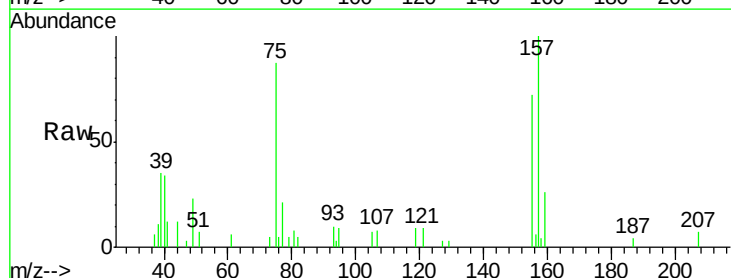
Manual Integrations
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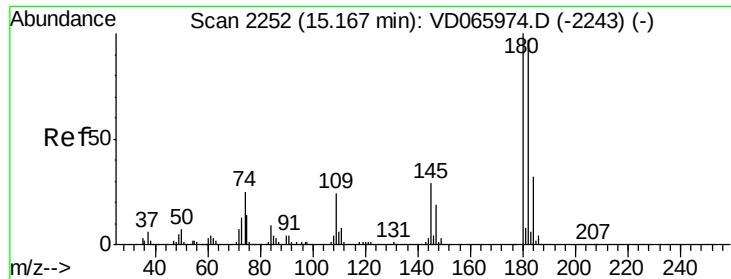
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.177 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	48.5	145.5
157	111.4	64.7	194.1





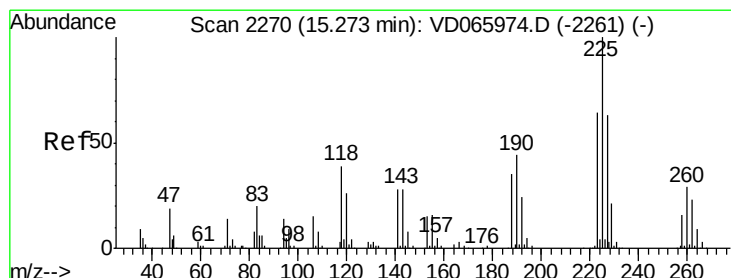
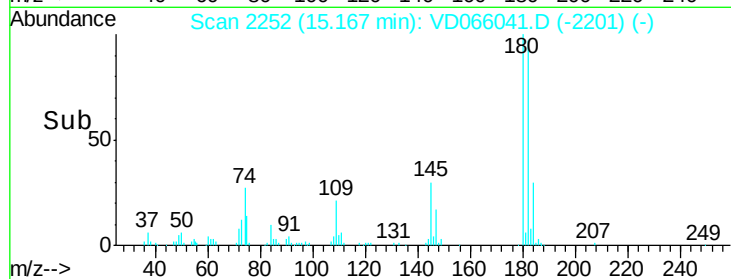
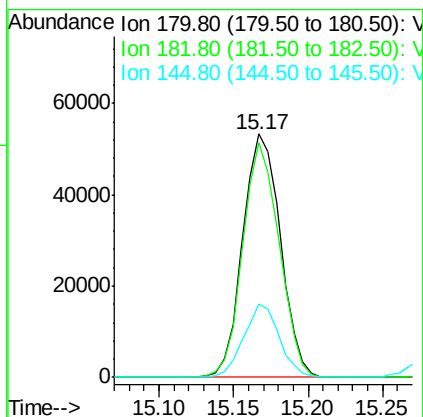
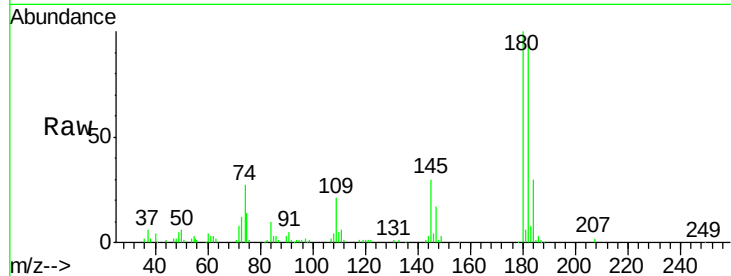
#93
 1,2,4-Trichlorobenzene
 Concen: 23.578 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0724SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.1	144.3
145	28.7	14.7	44.1

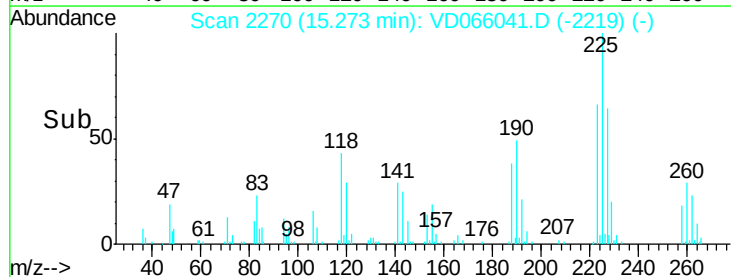
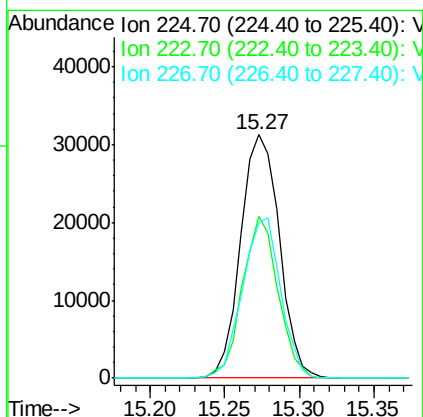
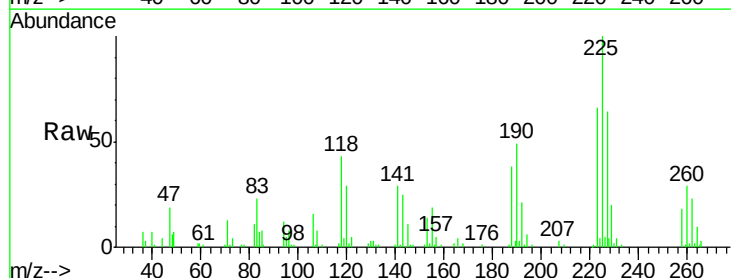
Manual Integrations
 APPROVED

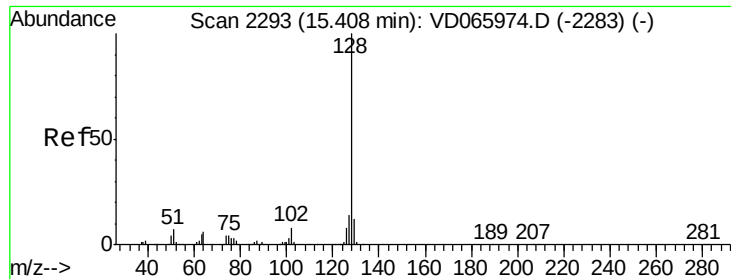
MMDadoda
 7/27/2020 12:03:48 PM



#94
 Hexachlorobutadiene
 Concen: 23.007 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066041.D
 Acq: 24 Jul 2020 12:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.2	93.6
227	64.7	31.6	94.8





#95

Naphthalene

Concen: 21.977 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Instrument :

MSVOA_D

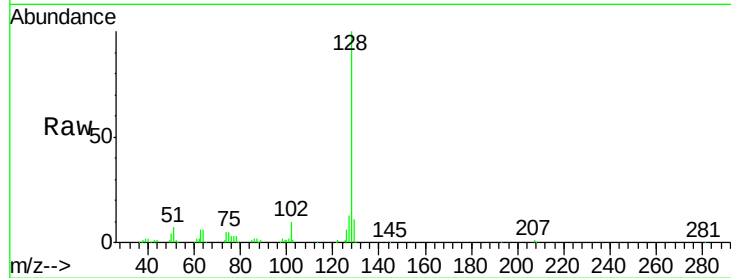
ClientSampleId :

VD0724SBS01

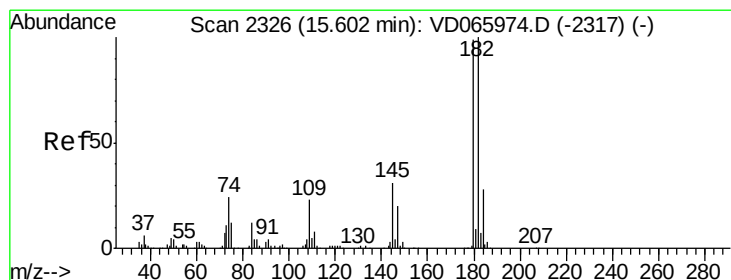
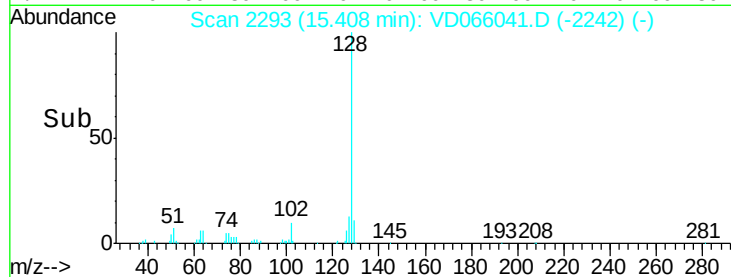
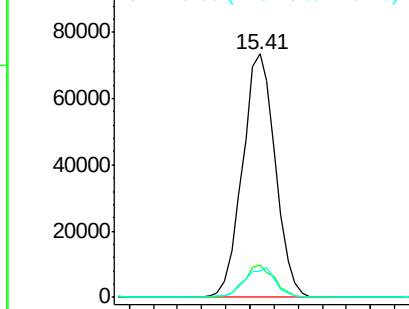
Tot Ion:	128	Resp:	139046
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.8	16.2
129	11.5	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/27/2020 12:03:48 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 23.304 ug/l

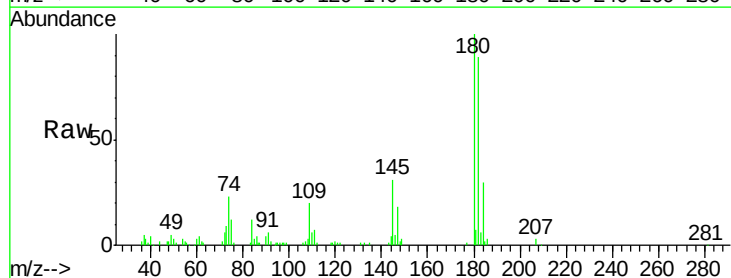
RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066041.D

Acq: 24 Jul 2020 12:27

Tgt Ion:	180	Resp:	79853
Ion Ratio	Lower	Upper	
180	100		
182	93.2	47.9	143.6
145	30.1	15.4	46.2



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

