

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065426.D
 Acq On : 05 Mar 2020 12:51
 Operator : VA/SY
 Sample : VD0305SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:17:27 AM

Quant Time: Mar 06 03:58:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	503117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	733293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	667755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	334821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	216171	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.92	113	225007	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.34	98	871926	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.64	95	276946	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	94220	21.790	ug/l	100
3) Chloromethane	2.21	50	109607	20.996	ug/l	99
4) Vinyl Chloride	2.35	62	105268	20.444	ug/l	99
5) Bromomethane	2.76	94	64129	19.288	ug/l	99
6) Chloroethane	2.92	64	62975	19.969	ug/l	98
7) Trichlorofluoromethane	3.27	101	151394	19.954	ug/l	100
8) Diethyl Ether	3.71	74	48585	21.533	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	99675	20.398	ug/l	98
10) Methyl Iodide	4.30	142	98987	19.499	ug/l	97
11) Tert butyl alcohol	5.24	59	22930	92.628	ug/l	96
12) 1,1-Dichloroethene	4.06	96	92910	19.857	ug/l	95
13) Acrolein	3.92	56	41914	98.176	ug/l	98
14) Allyl chloride	4.71	41	142277	19.794	ug/l	99
15) Acrylonitrile	5.43	53	103211	105.149	ug/l	97
16) Acetone	4.17	43	92729	106.241	ug/l	96
17) Carbon Disulfide	4.40	76	310078	19.900	ug/l	98
18) Methyl Acetate	4.72	43	47273	21.352	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	190936	21.220	ug/l	98
20) Methylene Chloride	4.96	84	124153	24.426	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	102234	19.641	ug/l	100
22) Diisopropyl ether	6.37	45	285349	21.356	ug/l	98
23) Vinyl Acetate	6.31	43	786301	105.983	ug/l	100
24) 1,1-Dichloroethane	6.26	63	172719	20.153	ug/l	97
25) 2-Butanone	7.23	43	124563	104.579	ug/l	100
26) 2,2-Dichloropropane	7.21	77	146355	19.541	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	106447	20.008	ug/l	98
28) Bromochloromethane	7.55	49	73205	21.349	ug/l	99
29) Tetrahydrofuran	7.57	42	82304	108.203	ug/l	99
30) Chloroform	7.71	83	176029	20.549	ug/l	95
31) Cyclohexane	7.99	56	167128	19.502	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	157251	19.864	ug/l	98
36) 1,1-Dichloropropene	8.11	75	139285	19.816	ug/l	97
37) Ethyl Acetate	7.30	43	56790	20.903	ug/l	97
38) Carbon Tetrachloride	8.10	117	146912	20.155	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	163931	19.310	ug/l	93
40) Benzene	8.36	78	400687	20.388	ug/l	100
41) Methacrylonitrile	7.53	41	31137	21.671	ug/l	86
42) 1,2-Dichloroethane	8.43	62	108266	21.097	ug/l	100
43) Isopropyl Acetate	8.46	43	106526	21.235	ug/l	99
44) Trichloroethene	9.11	130	113271	20.409	ug/l	96
45) 1,2-Dichloropropane	9.39	63	100417	21.093	ug/l	94
46) Dibromomethane	9.48	93	51558	20.879	ug/l	96
47) Bromodichloromethane	9.66	83	130992	20.391	ug/l	96
48) Methyl methacrylate	9.46	41	49069	20.795	ug/l	99
49) 1,4-Dioxane	9.46	88	11244	398.077	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	273157	108.207	ug/l	99
52) Toluene	10.41	92	258487	20.878	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	125530	20.910	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	153362	21.105	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	73833	21.111	ug/l	95
56) Ethyl methacrylate	10.67	69	81861	20.762	ug/l	98
57) 1,3-Dichloropropane	10.95	76	126627	21.398	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	127731	104.929	ug/l	100
59) 2-Hexanone	10.99	43	190201	108.842	ug/l	98
60) Dibromochloromethane	11.14	129	96010	21.416	ug/l	100
61) 1,2-Dibromoethane	11.25	107	69628	20.872	ug/l	100
64) Tetrachloroethene	10.88	164	96201	20.105	ug/l	96
65) Chlorobenzene	11.67	112	267878	20.272	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	100393	20.860	ug/l	96
67) Ethyl Benzene	11.75	91	459046	20.105	ug/l	100
68) m/p-Xylenes	11.86	106	361037	41.009	ug/l	98
69) o-Xylene	12.18	106	157418	20.327	ug/l	99
70) Styrene	12.20	104	285042	20.914	ug/l	100
71) Bromoform	12.37	173	56152	20.772	ug/l #	98
73) Isopropylbenzene	12.48	105	425697	19.330	ug/l	99
74) N-amyl acetate	12.30	43	90839	20.148	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	81687	21.102	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	52830m	19.996	ug/l	
77) Bromobenzene	12.77	156	111098	20.305	ug/l	98
78) n-propylbenzene	12.83	91	523466	20.033	ug/l	99
79) 2-Chlorotoluene	12.91	91	295730	20.081	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	366523	20.244	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	25713	20.538	ug/l	98
82) 4-Chlorotoluene	13.01	91	310511	20.065	ug/l	99
83) tert-Butylbenzene	13.23	119	300180	19.598	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	362279	20.300	ug/l	100
85) sec-Butylbenzene	13.41	105	430985	19.712	ug/l	100
86) p-Isopropyltoluene	13.53	119	394440	19.771	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	208827	19.851	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	205305	19.620	ug/l	98
89) n-Butylbenzene	13.86	91	354955	19.244	ug/l	100
90) Hexachloroethane	14.12	117	79886	19.444	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	180126	20.121	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12294	20.853	ug/l	95

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Manual Integrations
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MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	122371	20.169	ug/l	97
94) Hexachlorobutadiene	15.28	225	78177	19.610	ug/l	98
95) Naphthalene	15.41	128	190649	20.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	107527	20.509	ug/l	99

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

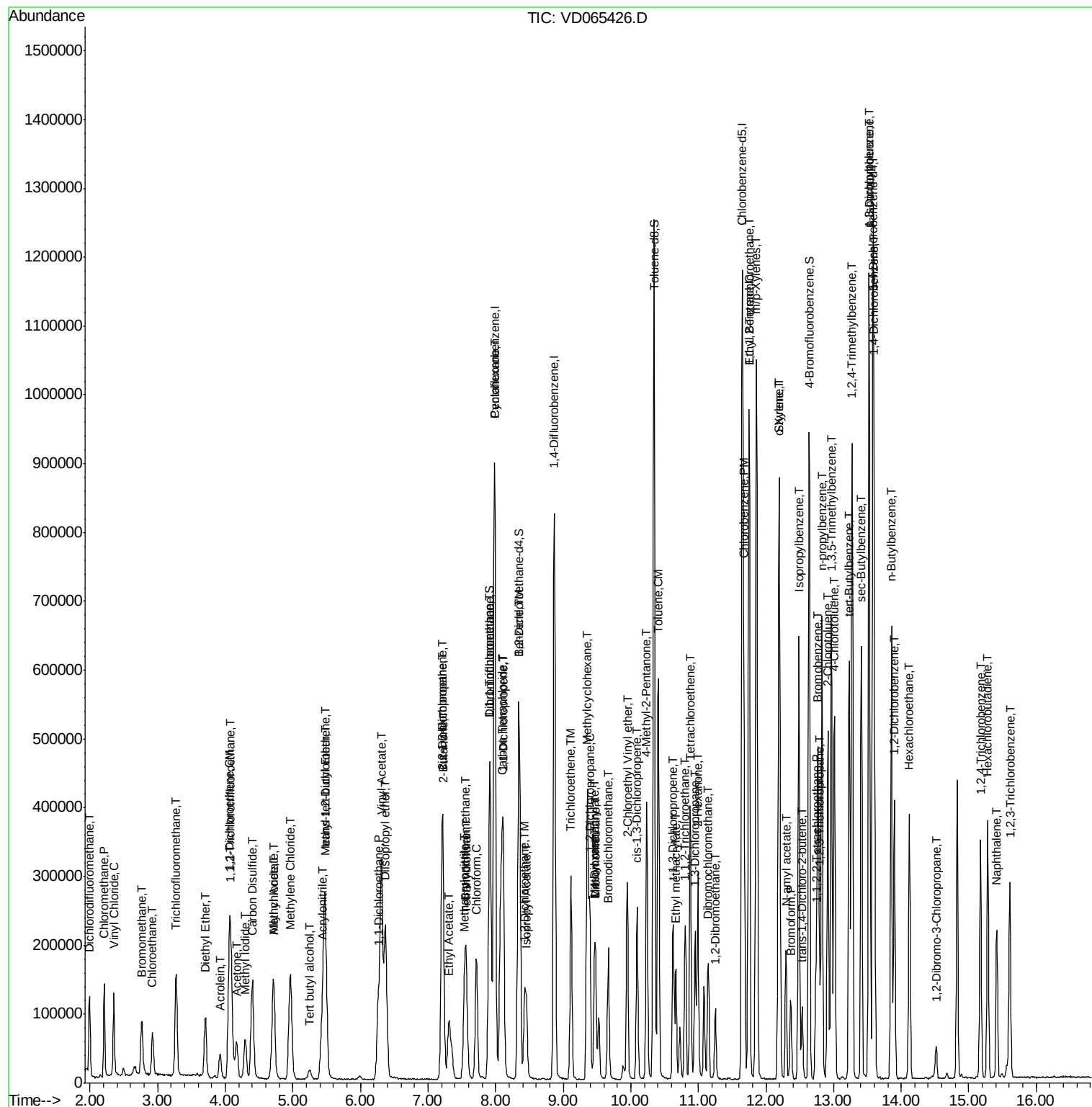
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030520\
Data File : VD065426.D
Acq On : 05 Mar 2020 12:51
Operator : VA/SY
Sample : VD0305SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
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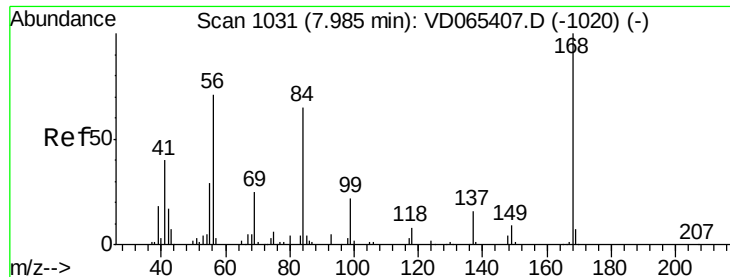
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBSD01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion:168 Resp: 503117

Ion Ratio Lower Upper

168 100

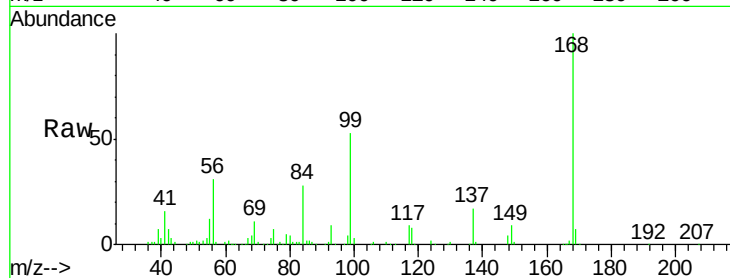
99 52.5 41.5 62.3

Manual Integrations

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3/6/2020 11:17:27 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

150000

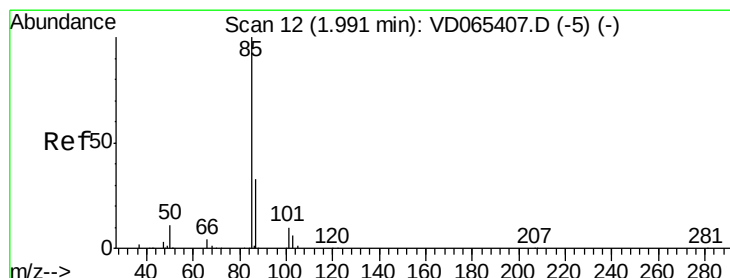
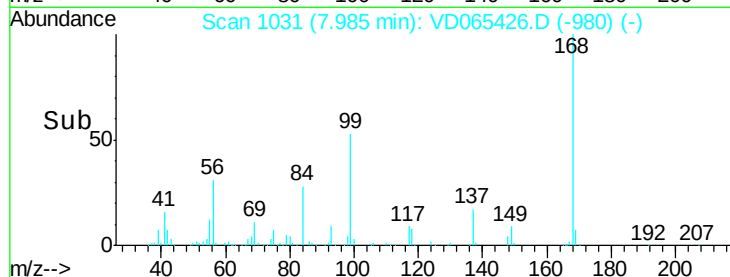
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.790 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065426.D

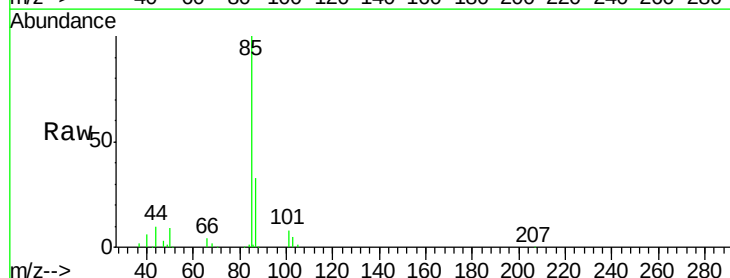
Acq: 05 Mar 2020 12:51

Tgt Ion: 85 Resp: 94220

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

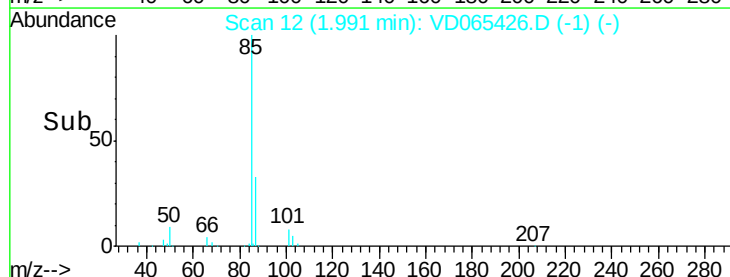
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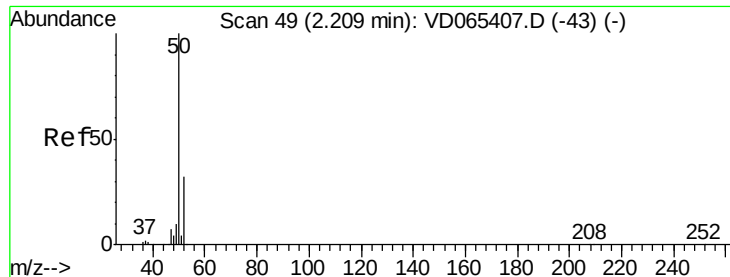
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.996 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 50 Resp: 109607

Ion Ratio Lower Upper

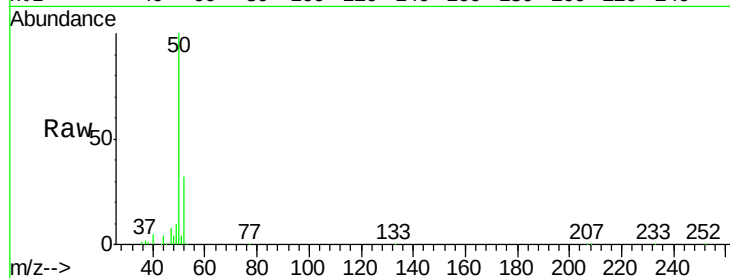
50 100

52 31.7 25.8 38.8

Manual Integrations
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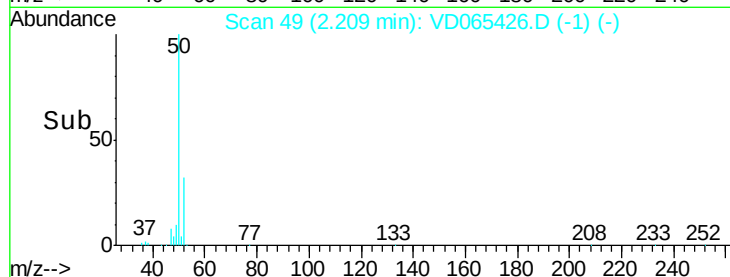


Abundance Ion 49.90 (49.60 to 50.60): VDC

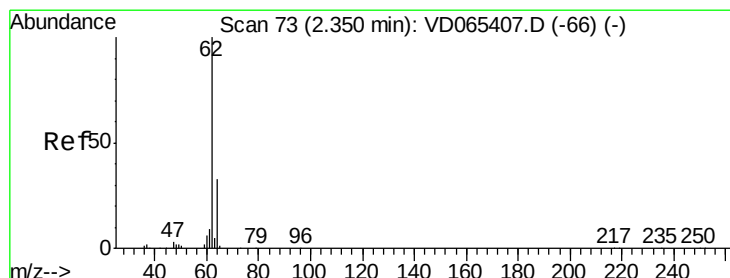
Ion 51.90 (51.60 to 52.60): VDC

2.21

Time-->



Time-->



#4

Vinyl Chloride

Concen: 20.444 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065426.D

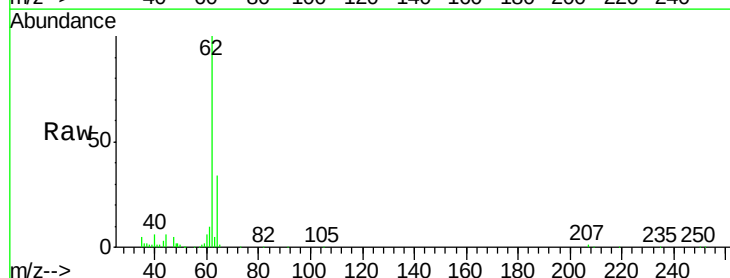
Acq: 05 Mar 2020 12:51

Tgt Ion: 62 Resp: 105268

Ion Ratio Lower Upper

62 100

64 34.0 26.6 39.8

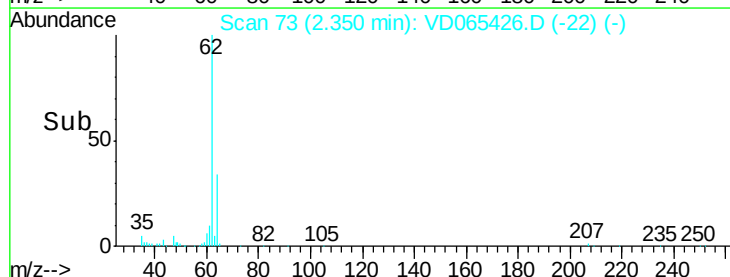


Abundance Ion 61.90 (61.60 to 62.60): VDC

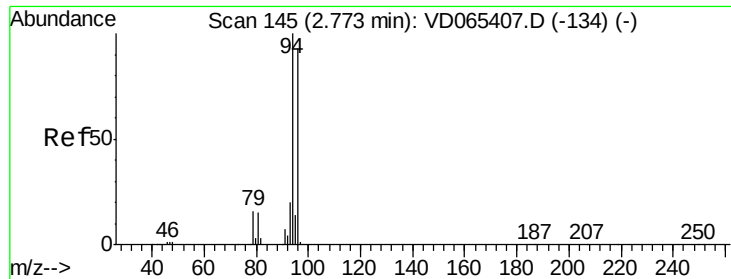
Ion 63.90 (63.60 to 64.60): VDC

2.35

Time-->



Time-->



#5

Bromomethane

Concen: 19.288 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 94 Resp: 64129

Ion Ratio Lower Upper

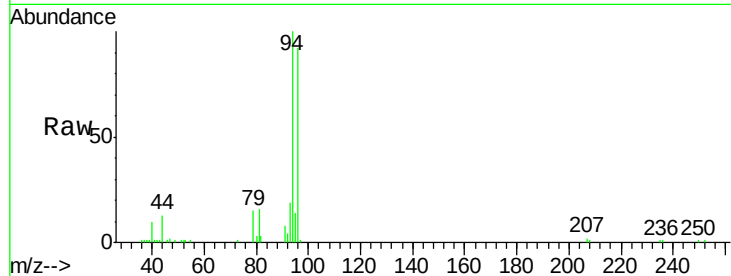
94 100

96 91.7 74.4 111.6

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

30000

25000

20000

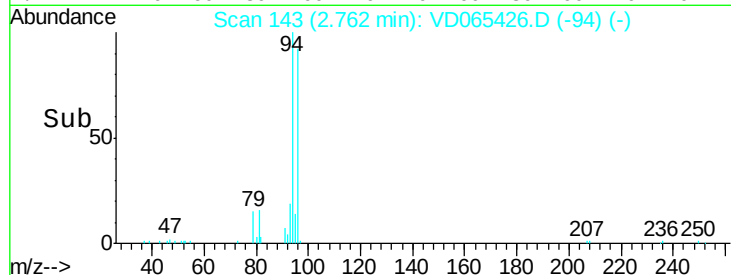
15000

10000

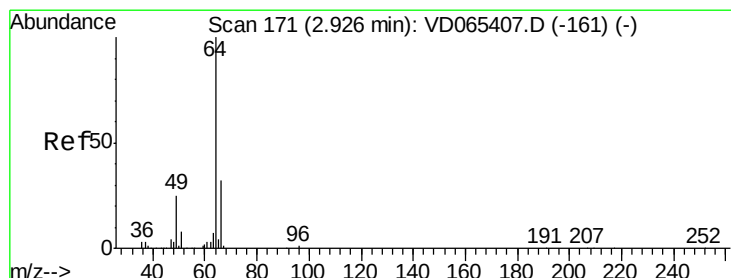
5000

0

Time-->



Time-->



#6

Chloroethane

Concen: 19.969 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065426.D

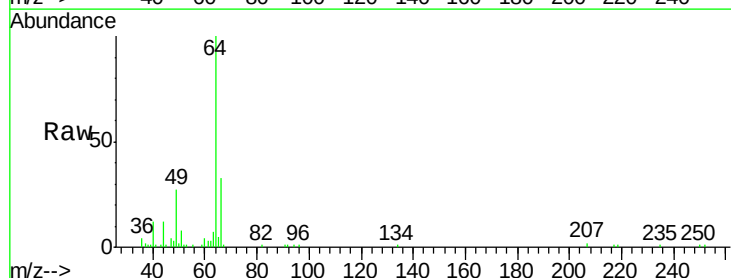
Acq: 05 Mar 2020 12:51

Tgt Ion: 64 Resp: 62975

Ion Ratio Lower Upper

64 100

66 33.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

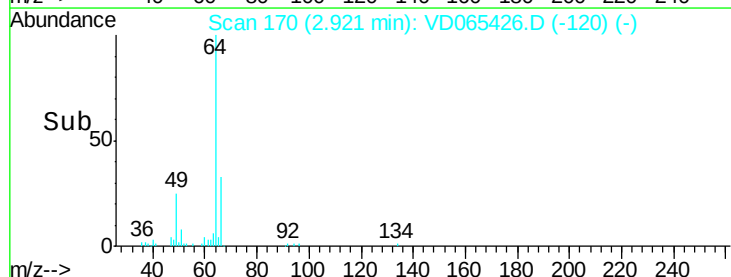
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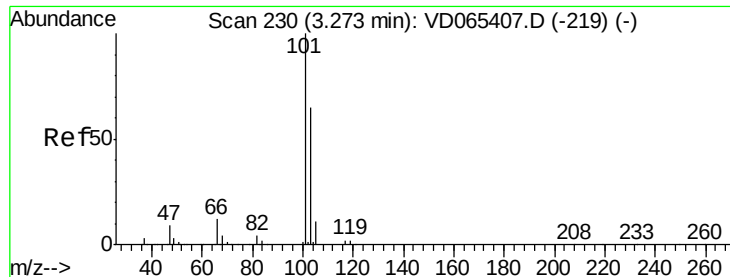
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10000

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Time-->





#7

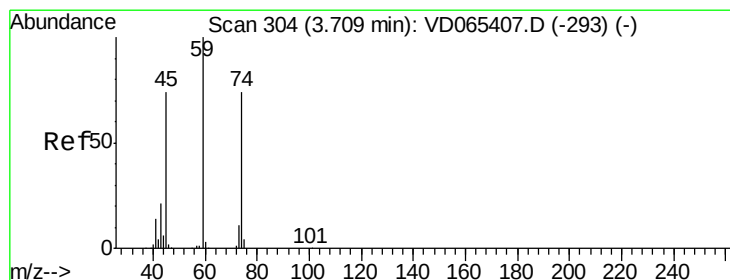
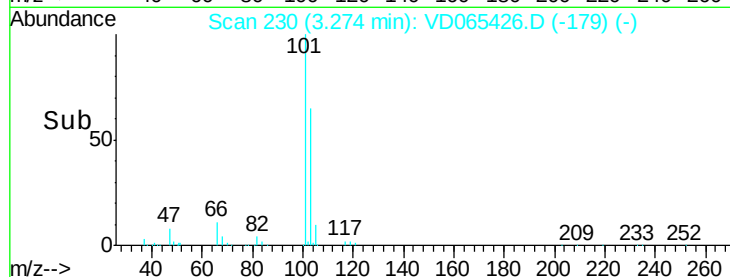
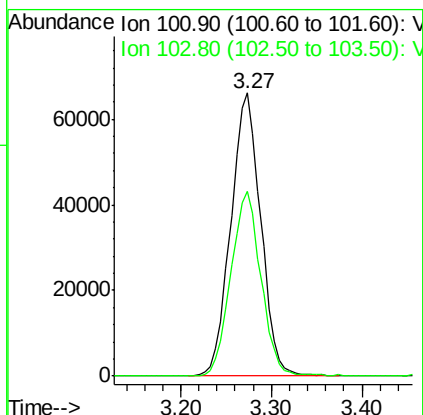
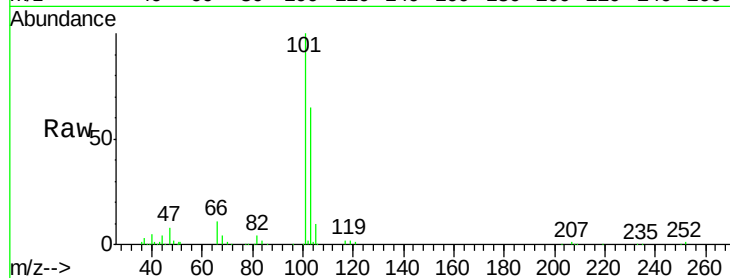
Trichlorofluoromethane
 Concen: 19.954 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.1	78.1

Manual Integrations
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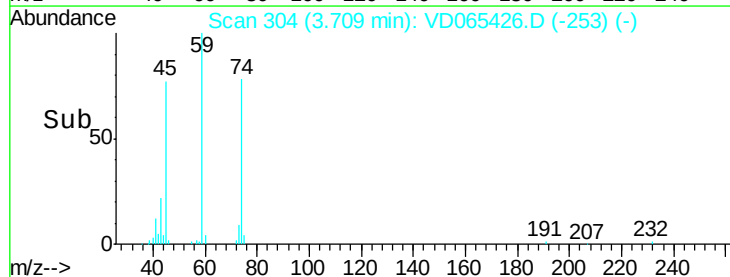
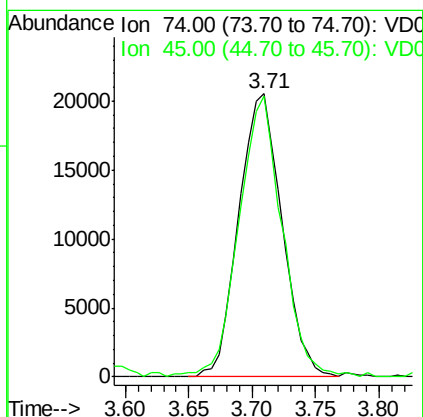
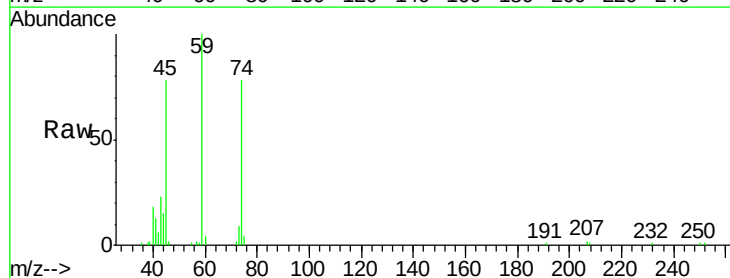
MMDadoda
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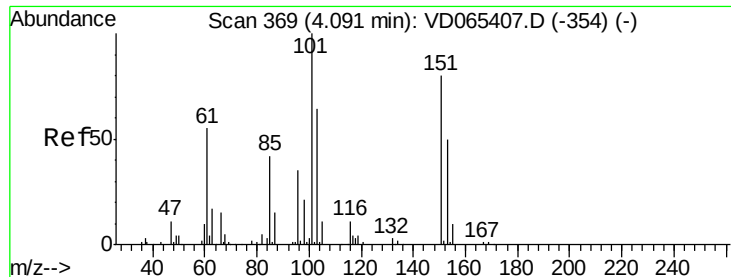


#8

Diethyl Ether
 Concen: 21.533 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.398 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

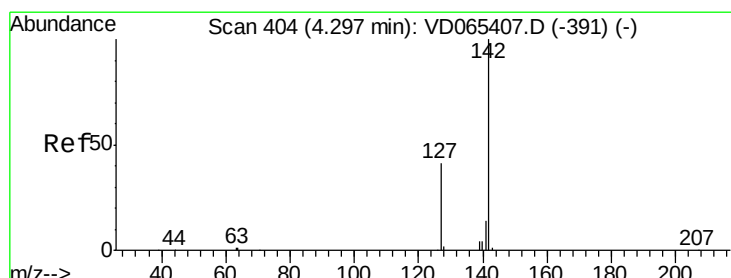
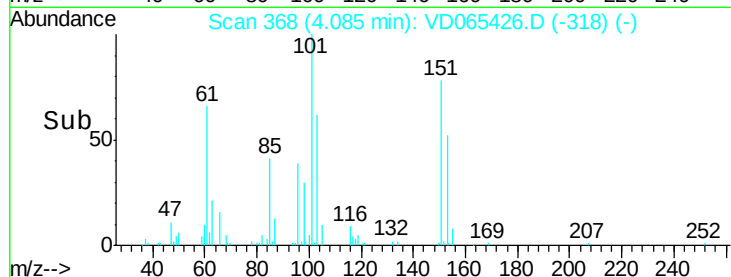
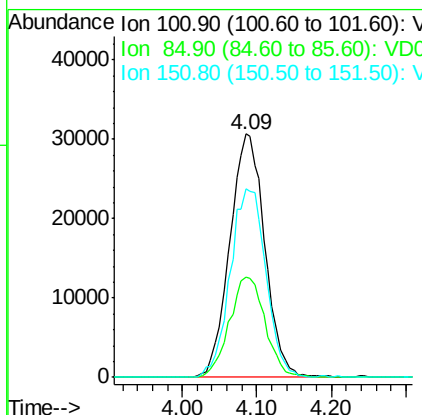
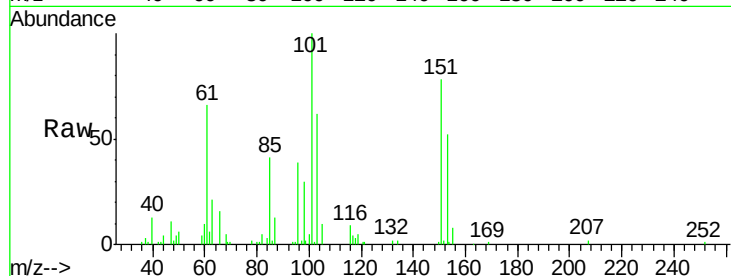
ClientSampleId :

VD0305SBSD01

Tot Ion:	101	Resp:	99675
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.2	51.2
151	79.2	65.1	97.7

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#10

Methyl Iodide

Concen: 19.499 ug/l

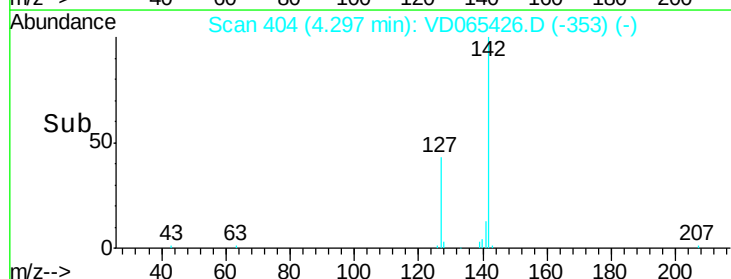
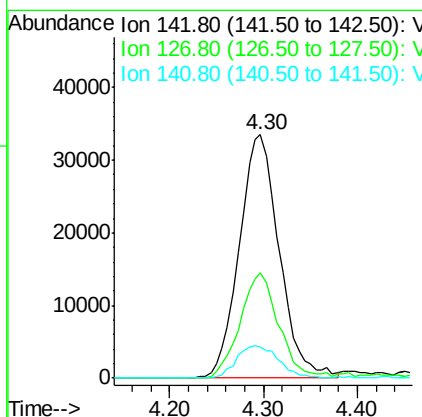
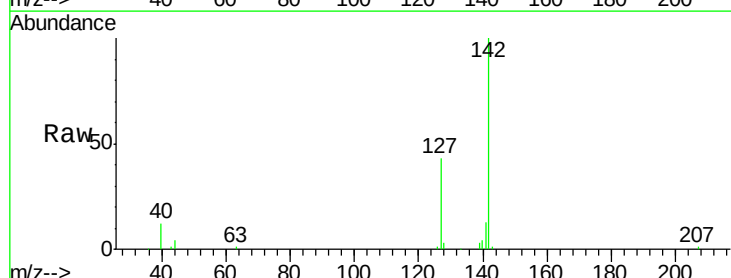
RT: 4.30 min Scan# 404

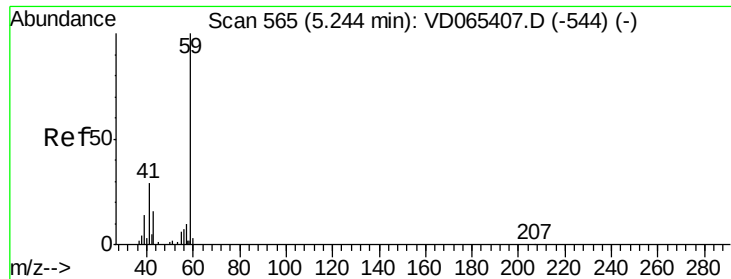
Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Tgt Ion:	142	Resp:	98987
Ion Ratio	Lower	Upper	
142	100		
127	41.7	35.0	52.6
141	14.0	12.4	18.6





#11

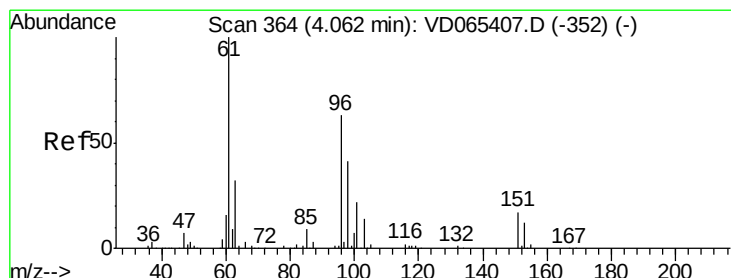
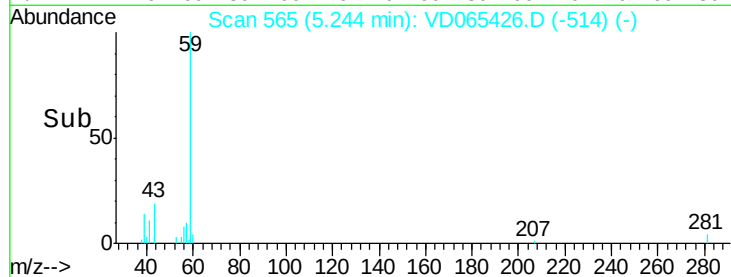
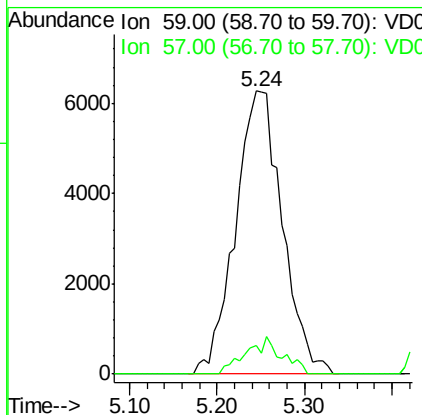
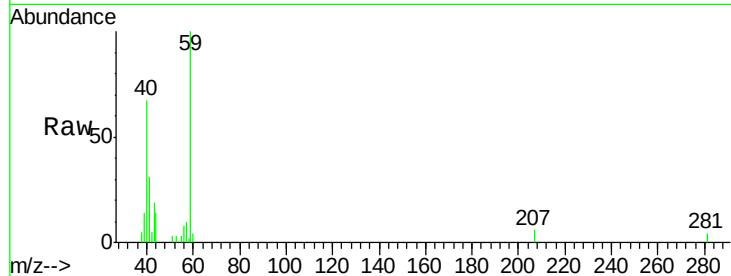
Tert butyl alcohol
 Concen: 92.628 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	6.9	10.3

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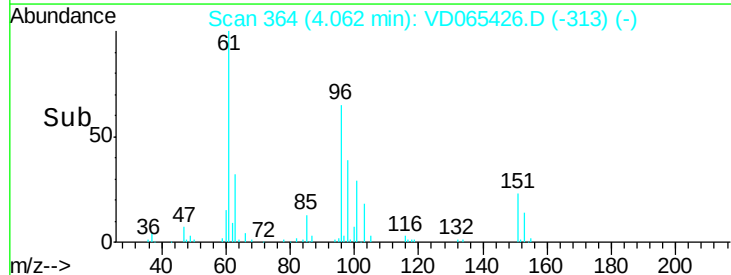
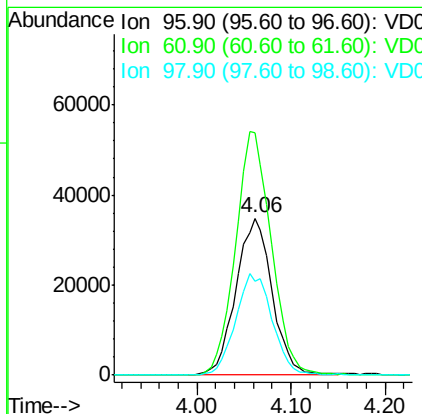
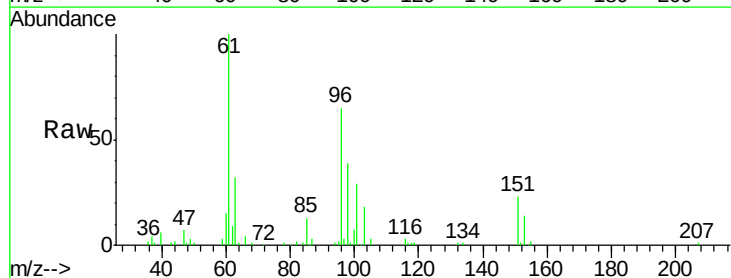
MMDadoda
 3/6/2020 11:17:27 AM

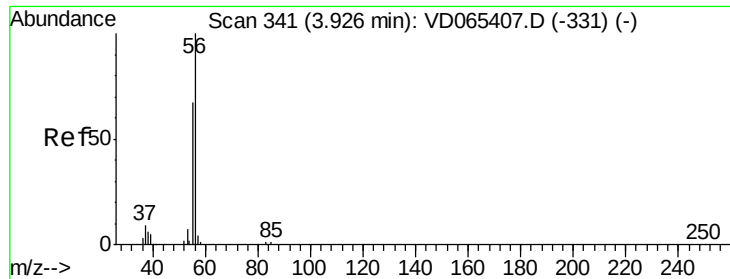


#12

1,1-Dichloroethene
 Concen: 19.857 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.2	128.0	192.0
98	60.2	51.9	77.9





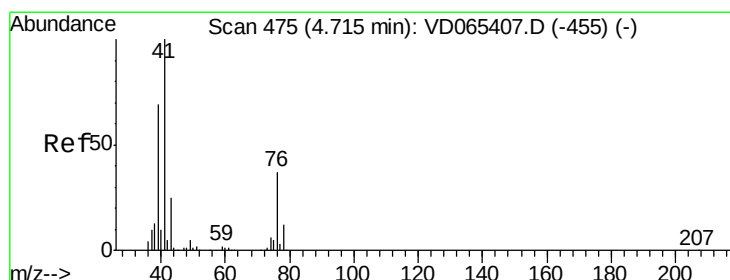
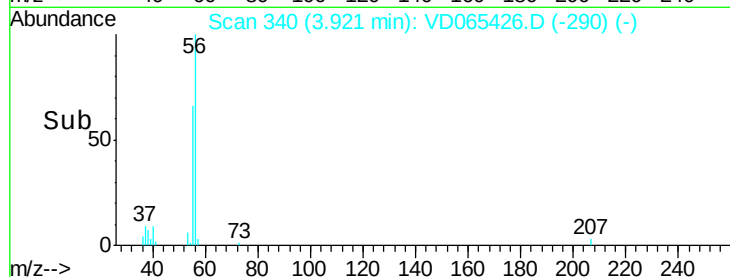
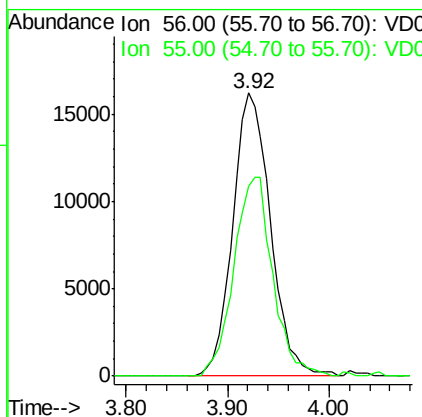
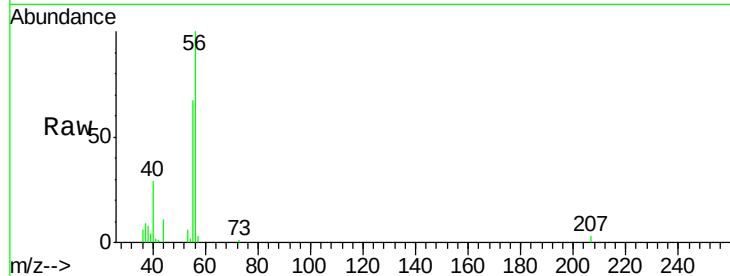
#13
Acrolein
Concen: 98.176 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.3	56.6	85.0

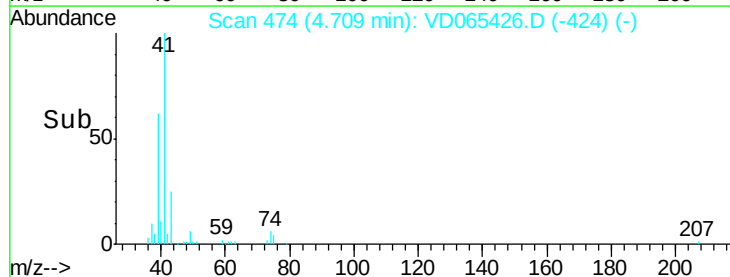
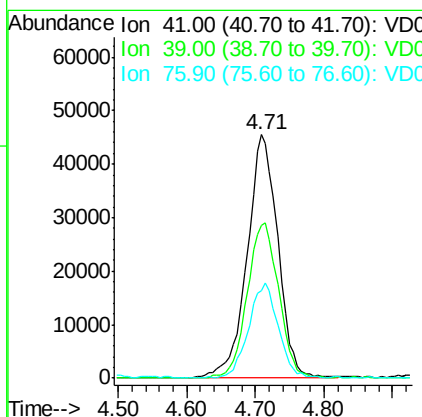
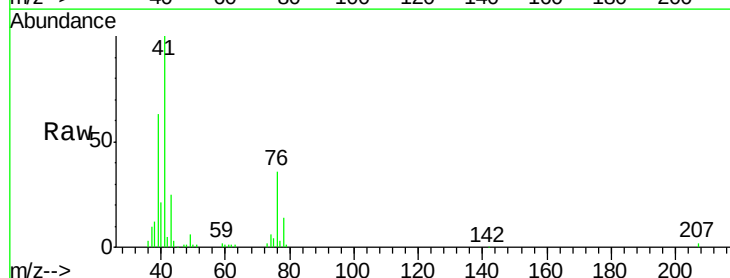
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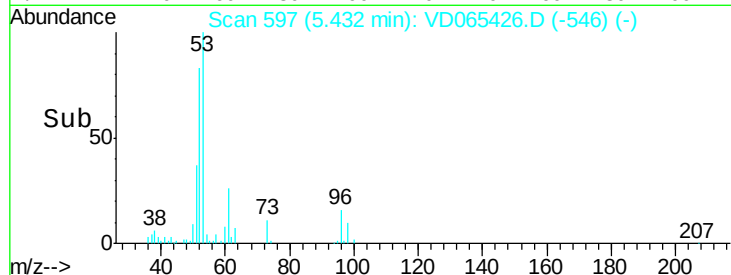
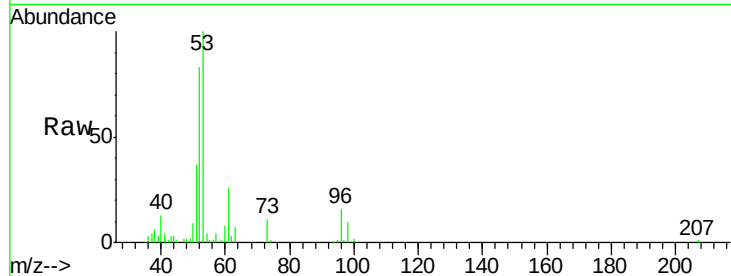
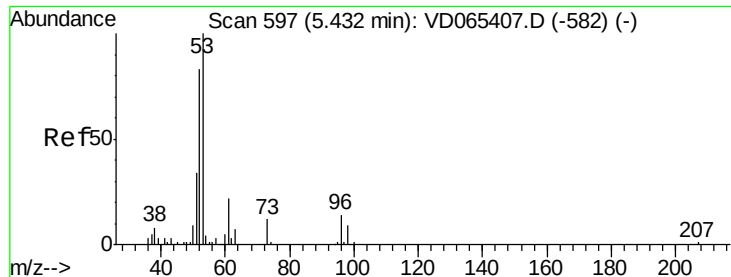
MMDadoda
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#14
Allyl chloride
Concen: 19.794 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.2	52.6	79.0
76	37.7	29.2	43.8





#15

Acrylonitrile

Concen: 105.149 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Tot Ion	53	Resp	103211
Ion Ratio	Lower	Upper	
53	100		
52	83.8	65.1	97.7
51	38.1	28.5	42.7

Instrument :

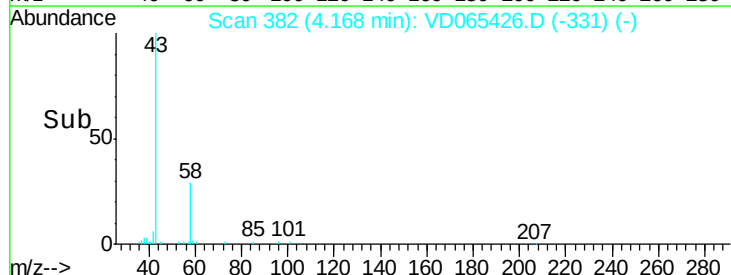
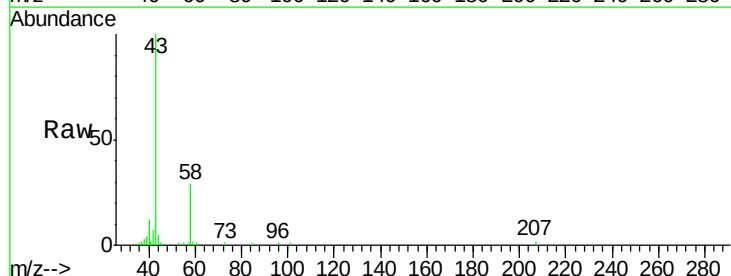
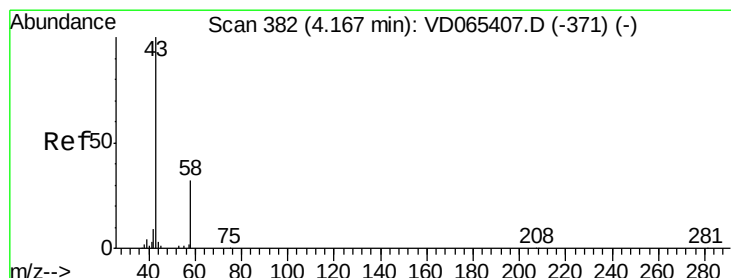
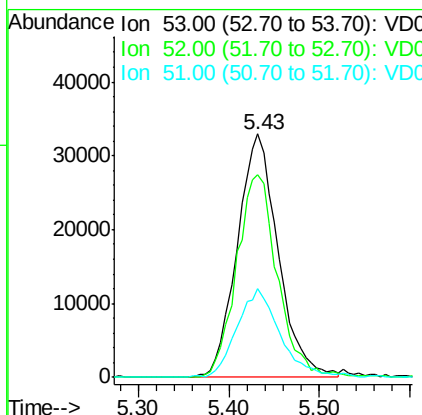
MSVOA_D

ClientSampleId :

VD0305SBS01

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#16

Acetone

Concen: 106.241 ug/l

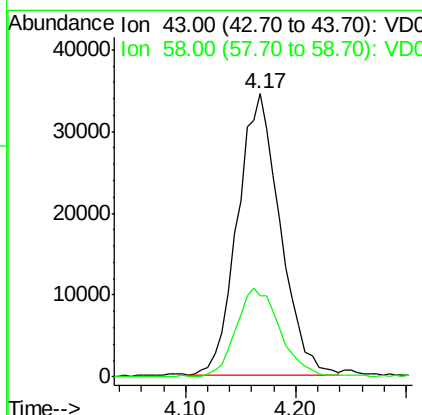
RT: 4.17 min Scan# 382

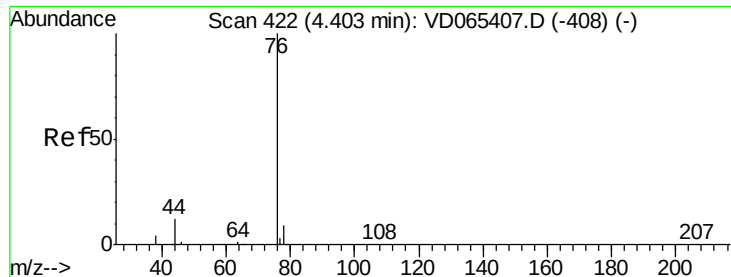
Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Tgt Ion	43	Resp	92729
Ion Ratio	Lower	Upper	
43	100		
58	29.1	25.1	37.7





#17

Carbon Disulfide

Concen: 19.900 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 76 Resp: 310078

Ion Ratio Lower Upper

76 100

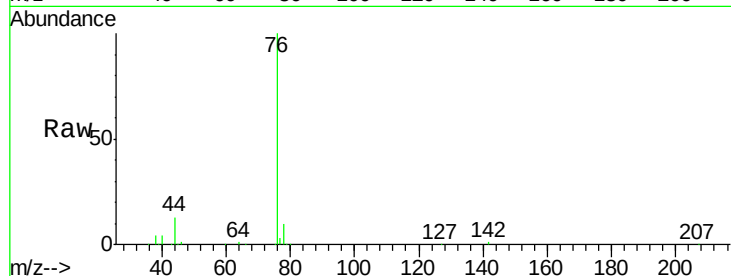
78 9.9 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

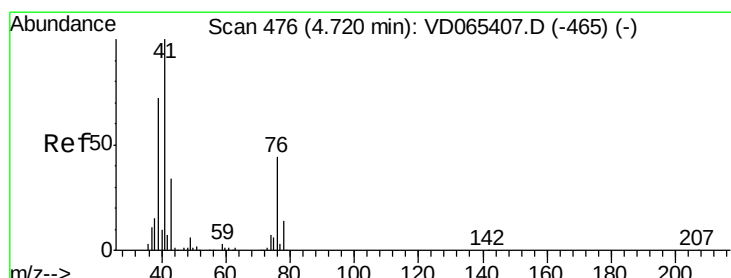
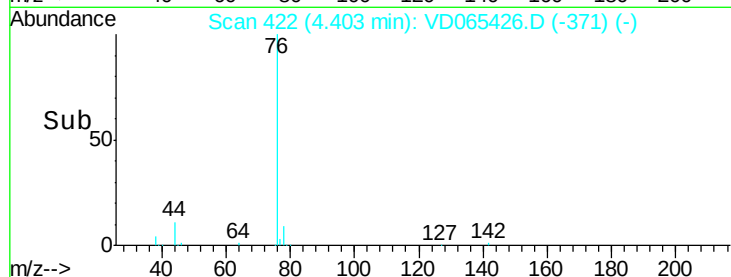
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.352 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065426.D

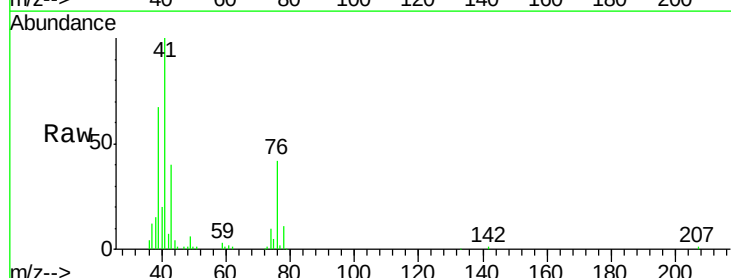
Acq: 05 Mar 2020 12:51

Tgt Ion: 43 Resp: 47273

Ion Ratio Lower Upper

43 100

74 25.5 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

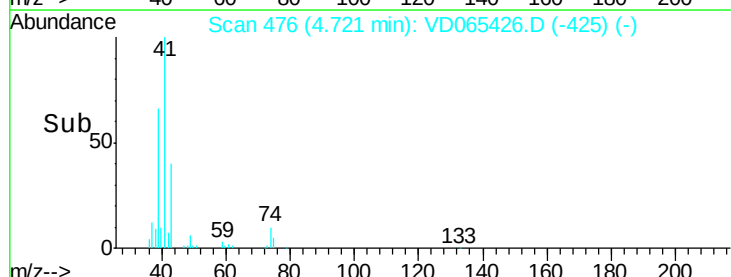
15000

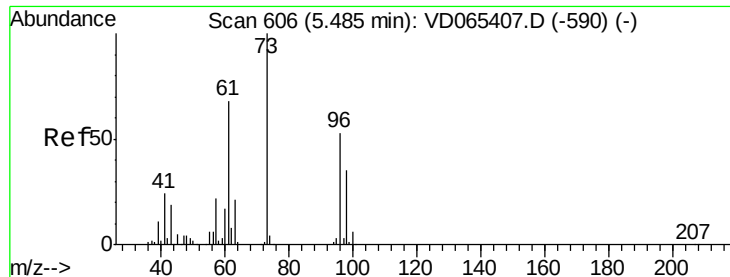
10000

5000

0

Time-->





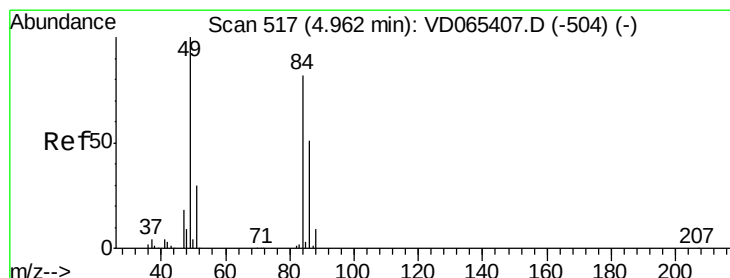
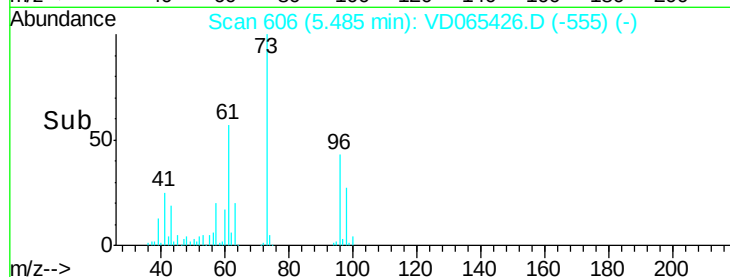
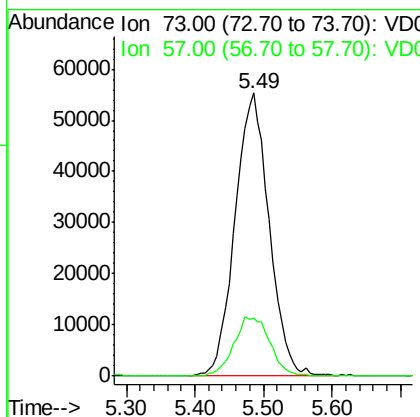
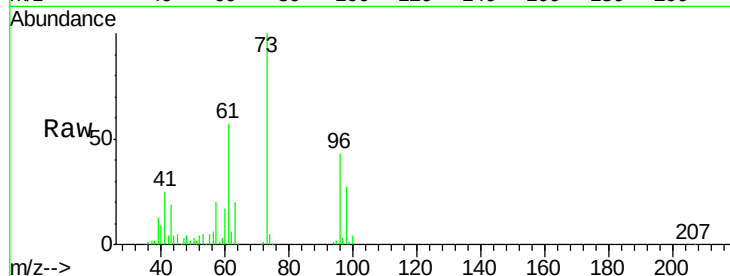
#19
Methyl tert-butyl Ether
Concen: 21.220 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion: 73 Resp: 190936
Ion Ratio Lower Upper
73 100
57 20.5 17.3 25.9

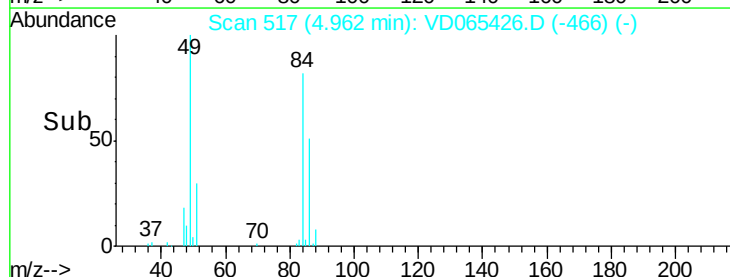
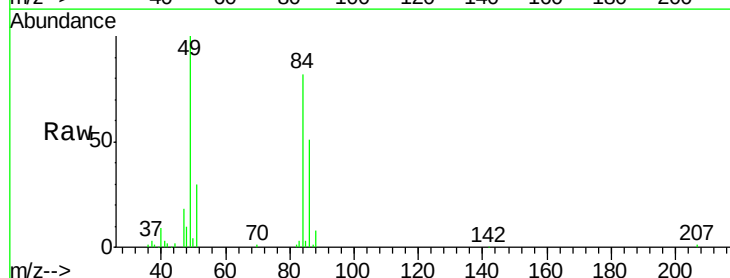
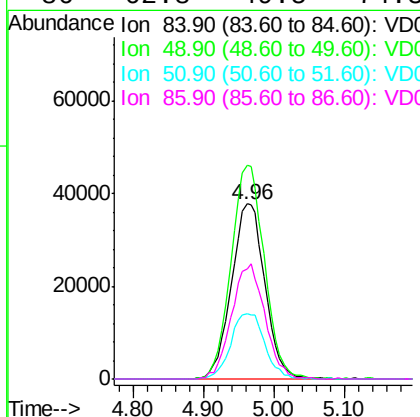
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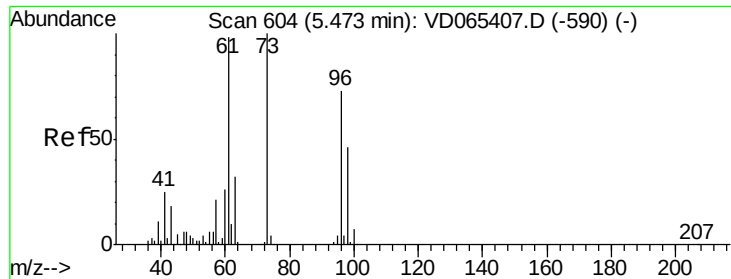
MMDadoda
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#20
Methylene Chloride
Concen: 24.426 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion: 84 Resp: 124153
Ion Ratio Lower Upper
84 100
49 122.2 97.7 146.5
51 37.0 28.8 43.2
86 62.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 19.641 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

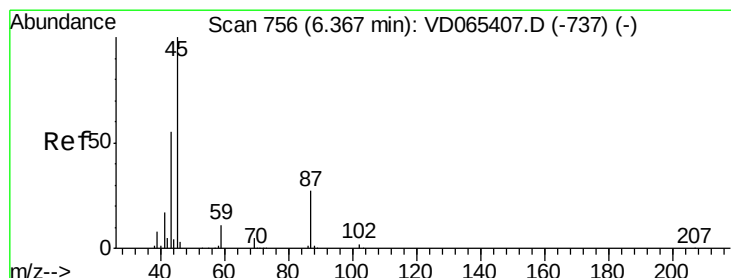
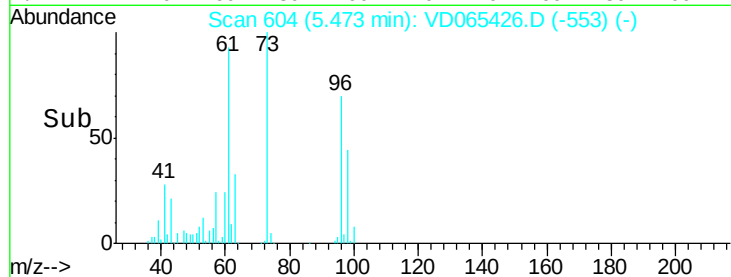
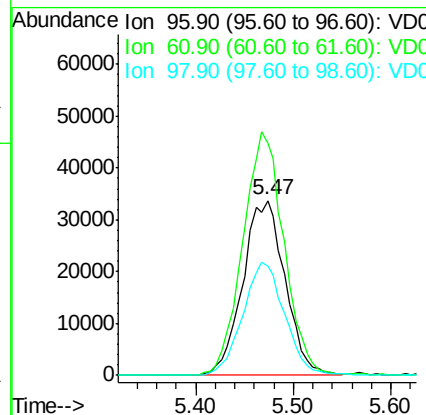
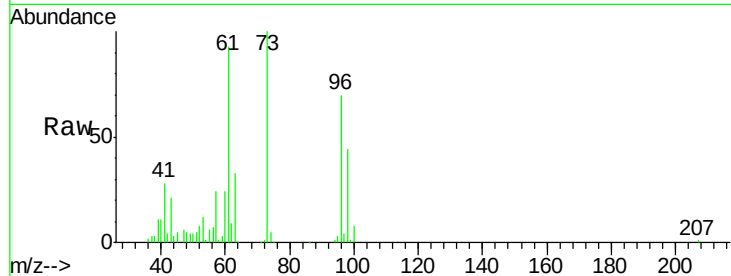
ClientSampleId :

VD0305SBS01

Tot Ion:	96	Resp:	102234
Ion	Ratio	Lower	Upper
96	100		
61	132.9	106.3	159.5
98	62.7	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.356 ug/l

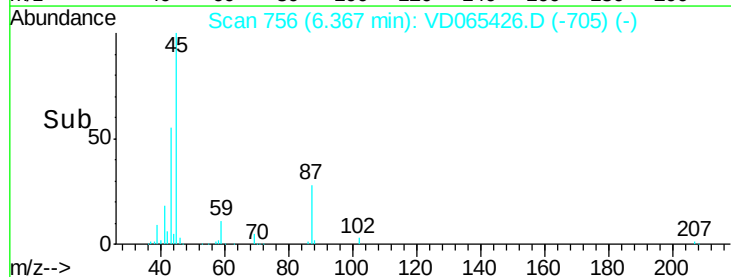
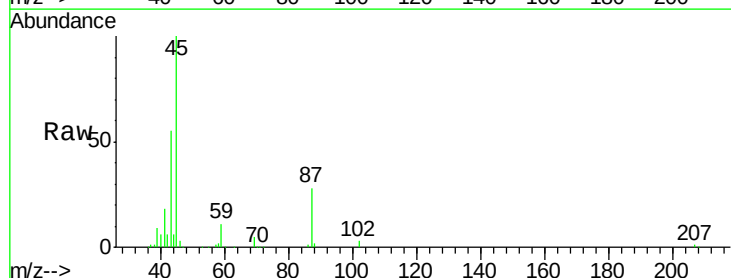
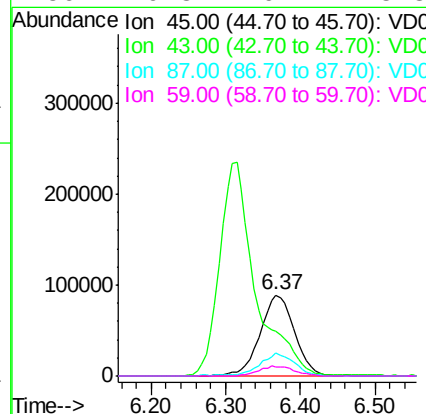
RT: 6.37 min Scan# 756

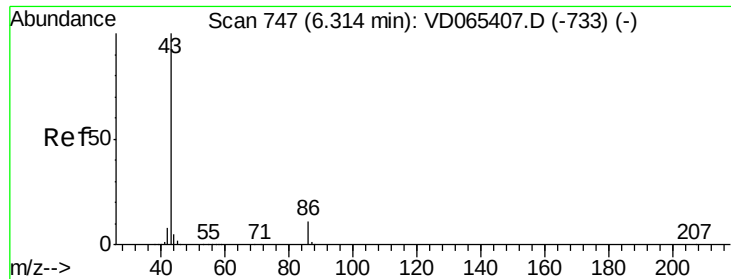
Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Tgt Ion:	45	Resp:	285349
Ion	Ratio	Lower	Upper
45	100		
43	53.4	44.4	66.6
87	27.9	21.9	32.9
59	10.8	9.2	13.8





#23

Vinyl Acetate

Concen: 105.983 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 43 Resp: 786301

Ion Ratio Lower Upper

43 100

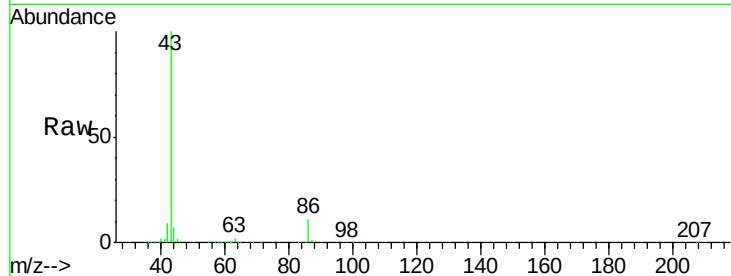
86 10.9 8.9 13.3

Manual Integrations

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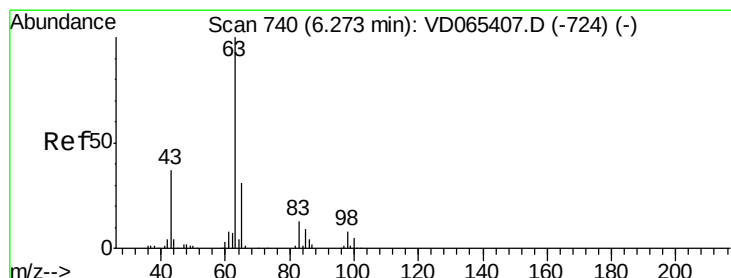
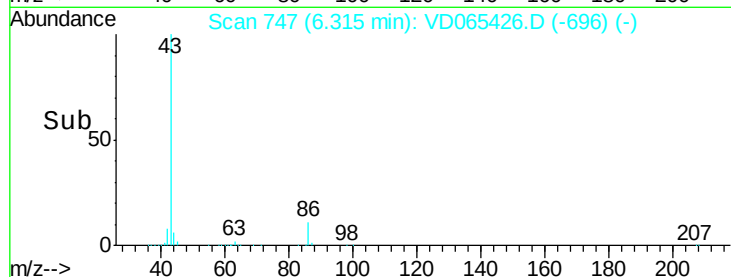
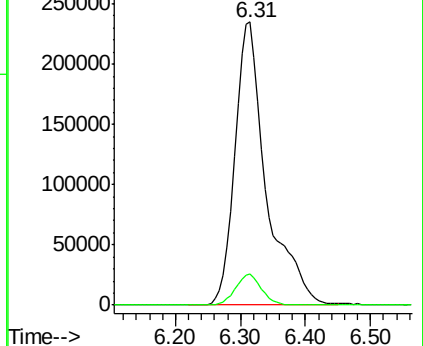
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.153 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

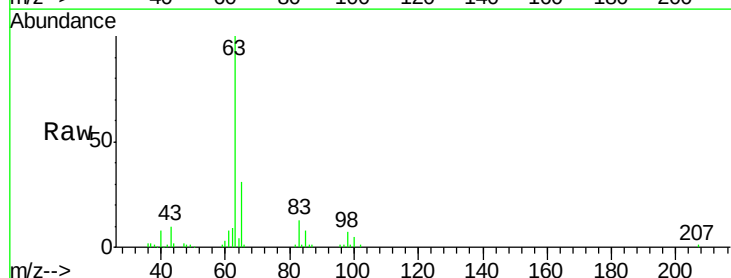
Tgt Ion: 63 Resp: 172719

Ion Ratio Lower Upper

63 100

98 7.0 4.2 12.6

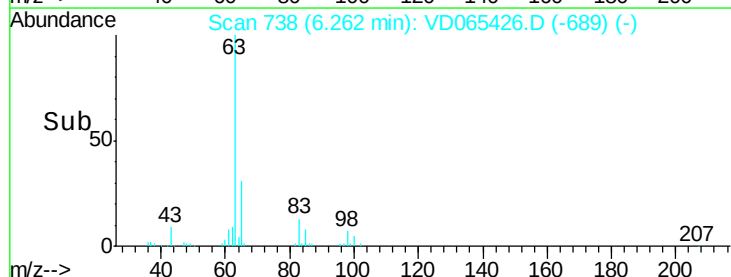
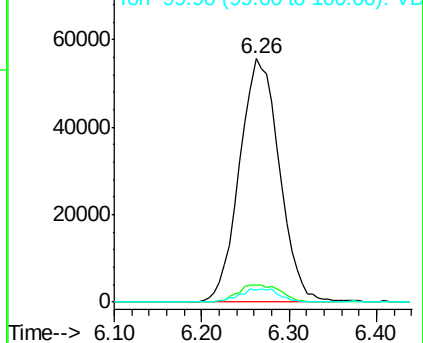
100 4.9 2.4 7.2

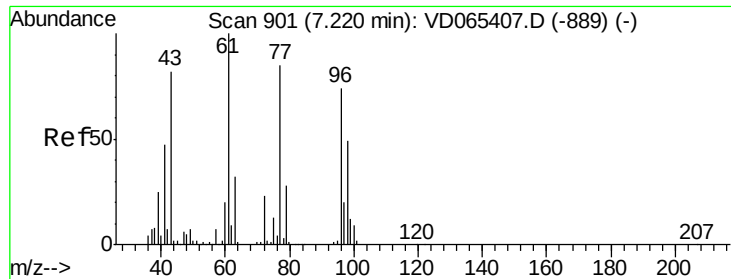


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 104.579 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 43 Resp: 124563

Ion Ratio Lower Upper

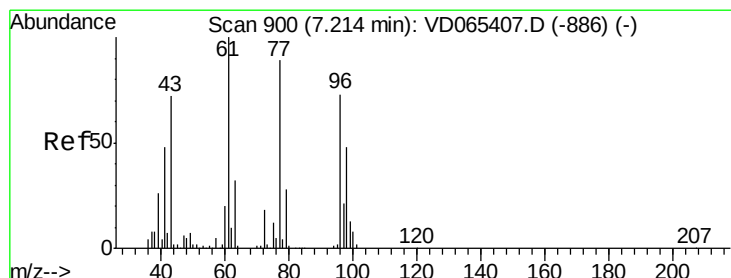
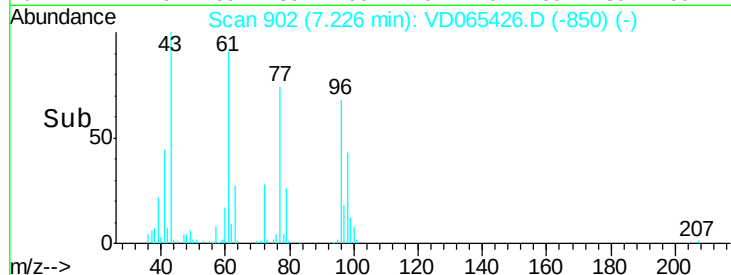
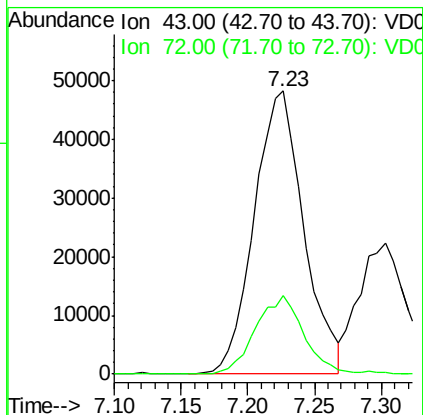
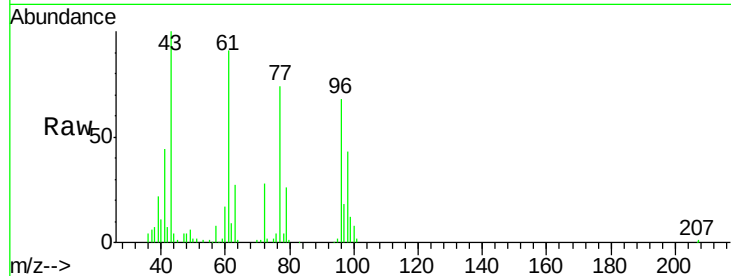
43 100

72 27.6 22.3 33.5

Manual Integrations
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3/6/2020 11:17:27 AM



#26

2,2-Dichloropropane

Concen: 19.541 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065426.D

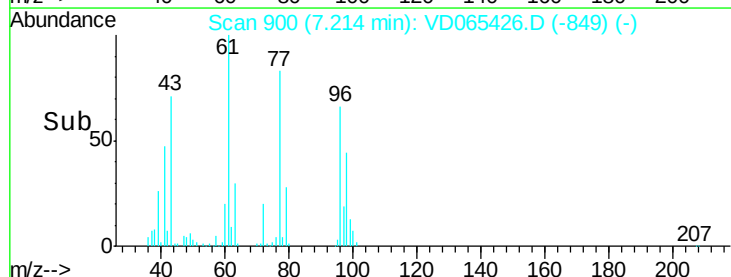
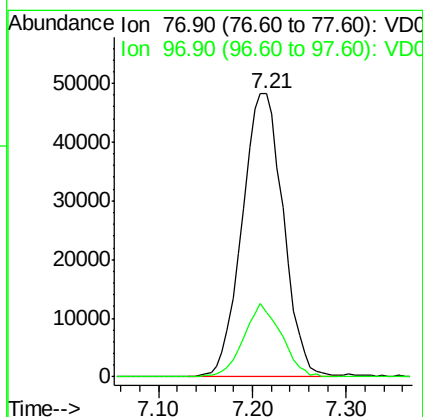
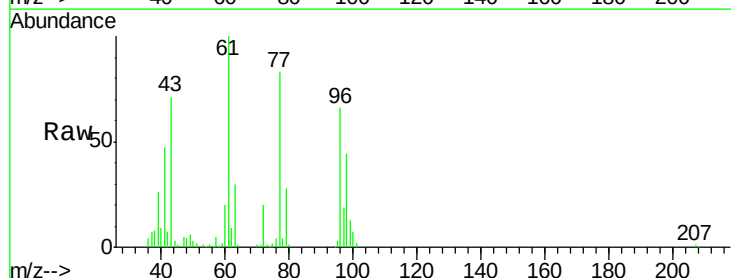
Acq: 05 Mar 2020 12:51

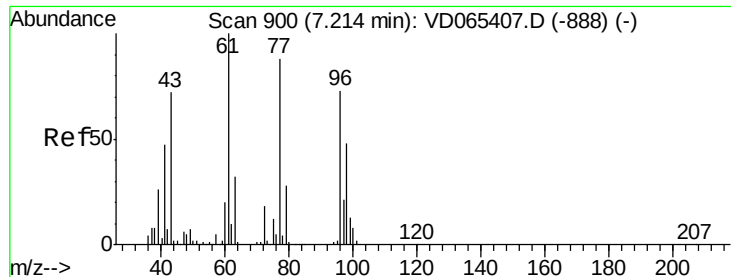
Tgt Ion: 77 Resp: 146355

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.4





#27

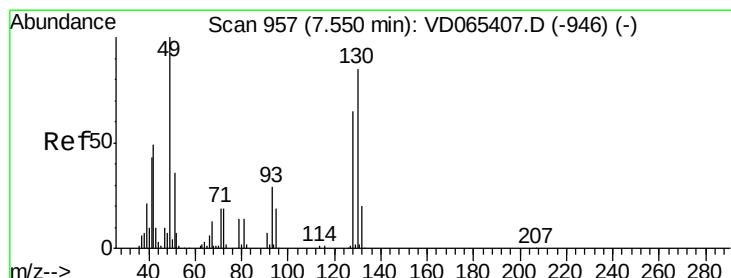
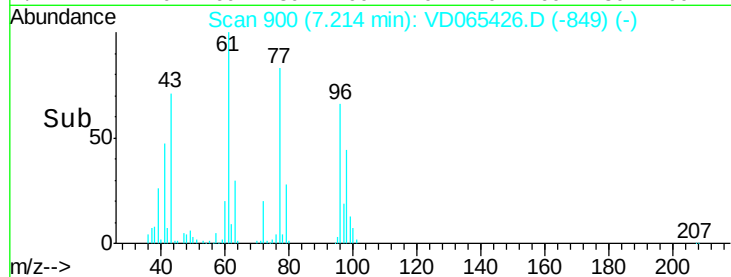
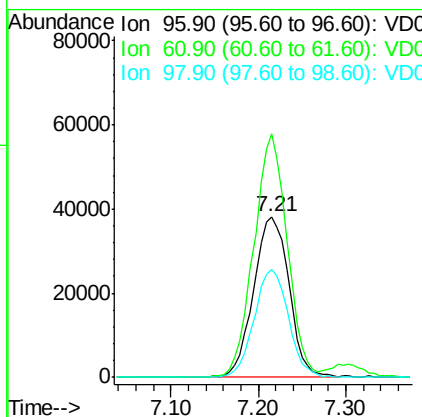
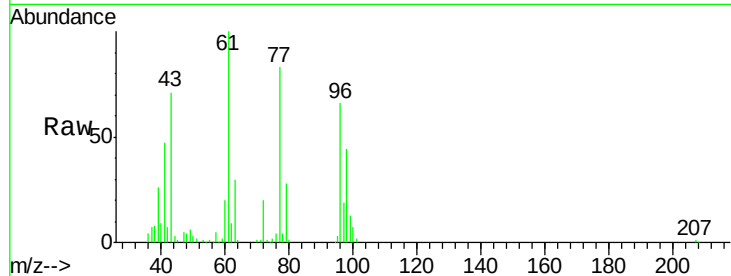
cis-1,2-Dichloroethene
Concen: 20.008 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.9	0.0	280.4	
98	64.7	0.0	132.6	

Manual Integrations
APPROVED

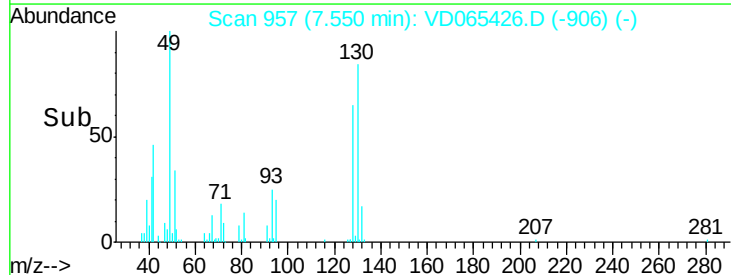
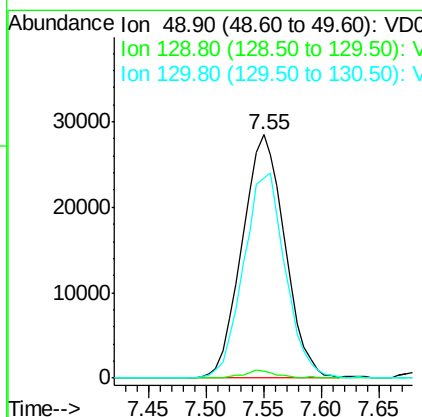
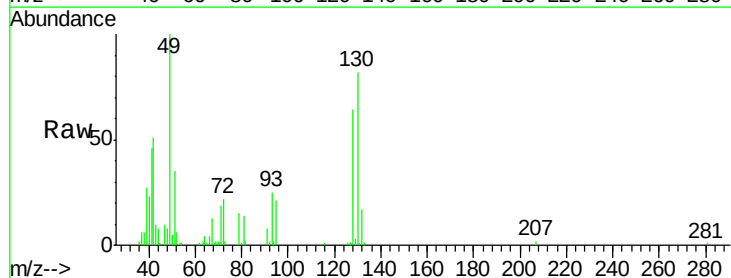
MMDadoda
3/6/2020 11:17:27 AM

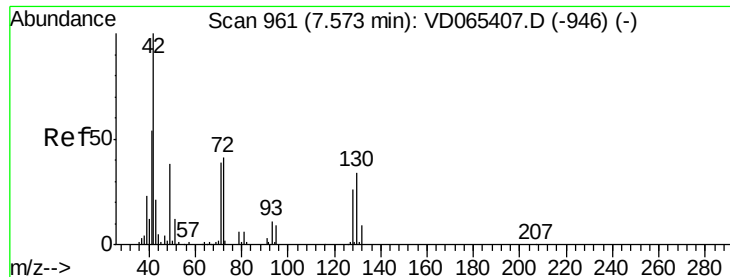


#28

Bromochloromethane
Concen: 21.349 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.6	
130	82.6	66.6	100.0	





#29

Tetrahydrofuran

Concen: 108.203 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

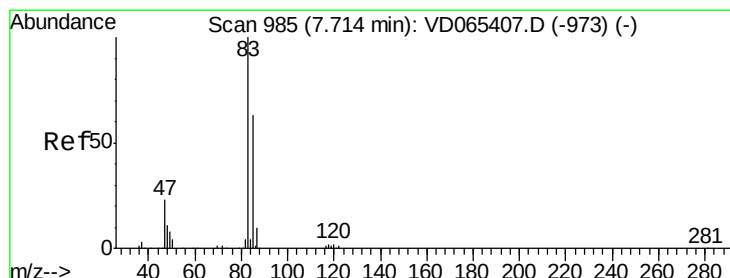
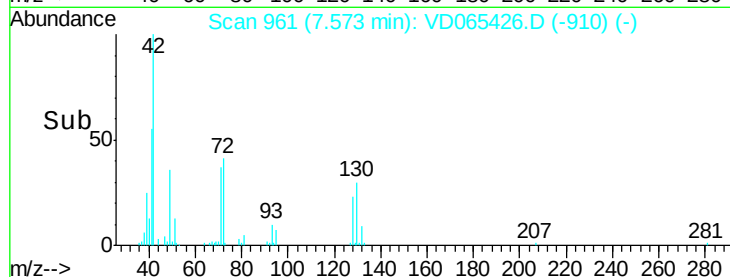
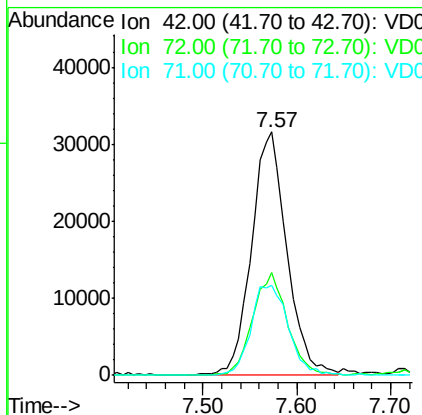
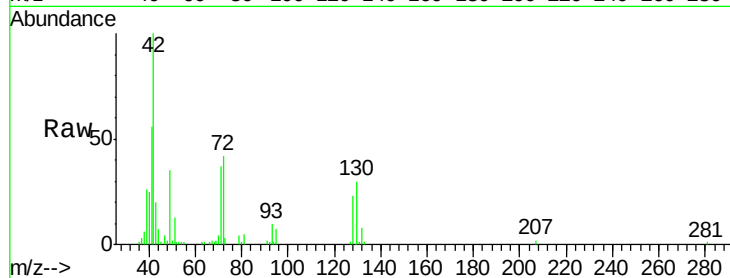
ClientSampleId :

VD0305SBS01

Tot Ion:	42	Resp:	82304
Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.0	49.6
71	39.0	32.0	48.0

Manual Integrations
APPROVED

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3/6/2020 11:17:27 AM



#30

Chloroform

Concen: 20.549 ug/l

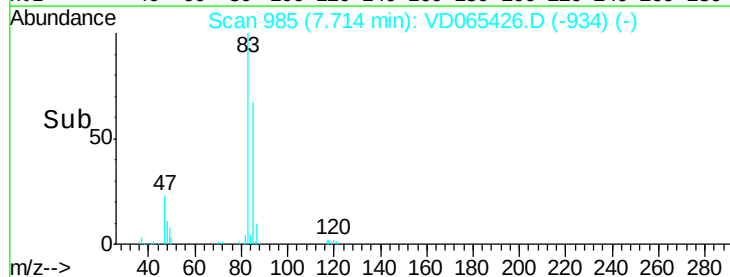
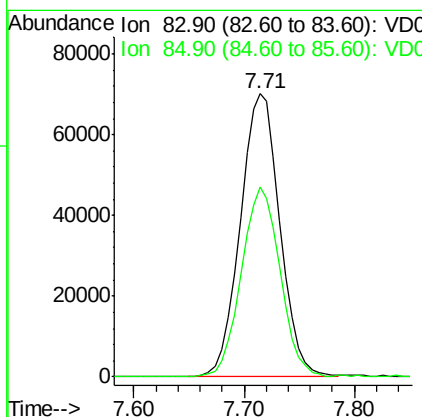
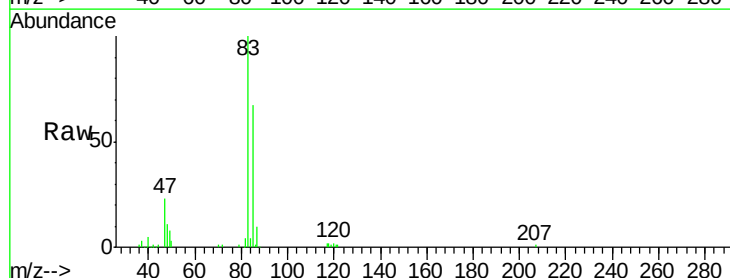
RT: 7.71 min Scan# 985

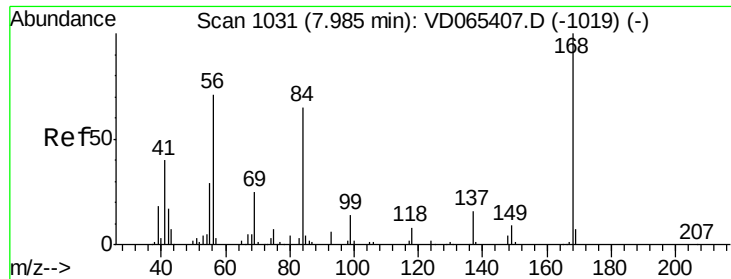
Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Tgt Ion:	83	Resp:	176029
Ion	Ratio	Lower	Upper
83	100		
85	67.1	50.3	75.5





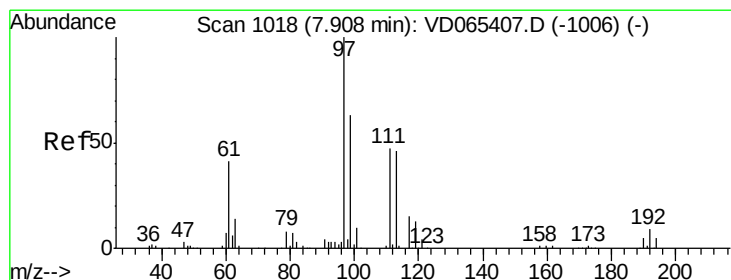
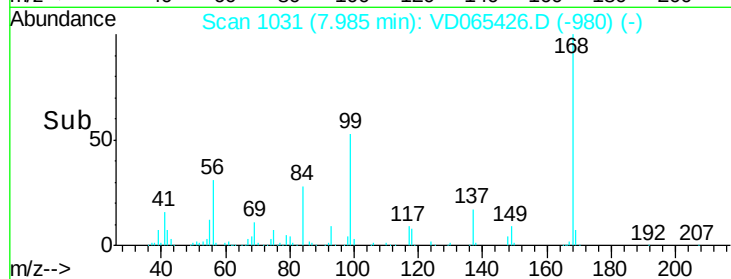
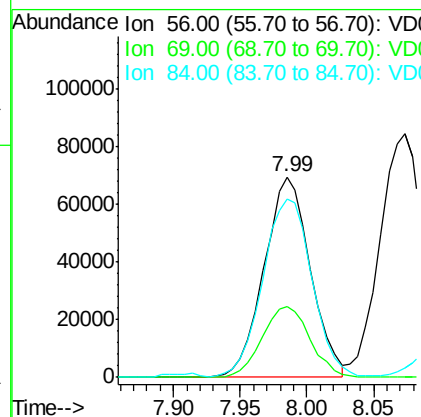
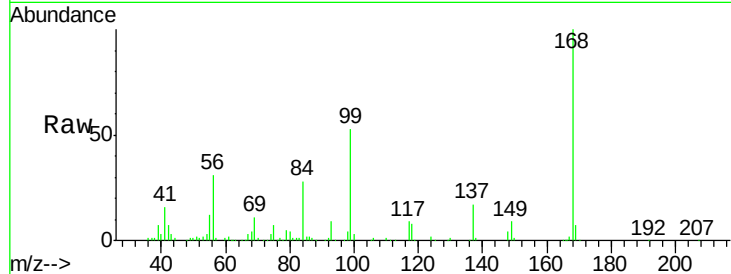
#31
Cyclohexane
Concen: 19.502 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.1	28.3	42.5
84	87.0	73.1	109.7

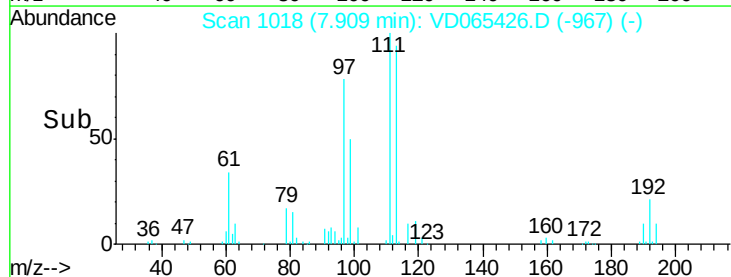
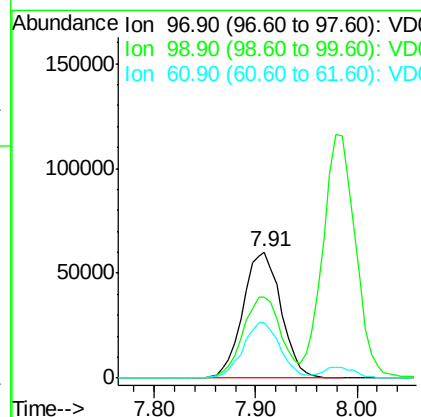
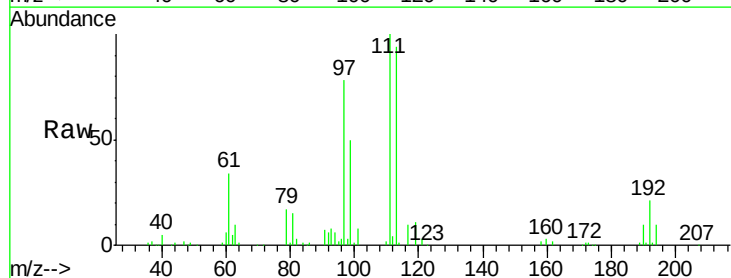
Manual Integrations
APPROVED

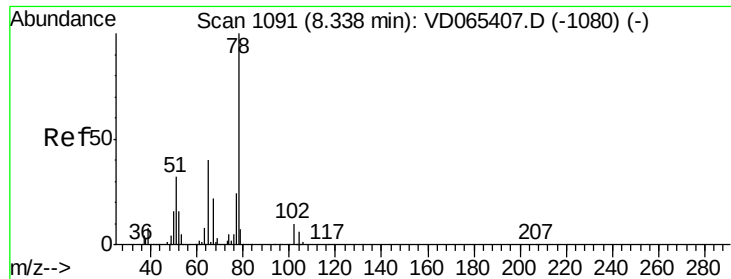
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3/6/2020 11:17:27 AM



#32
1,1,1-Trichloroethane
Concen: 19.864 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.9	76.3
61	43.3	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 50.089 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 65 Resp: 216171

Ion Ratio Lower Upper

65 100

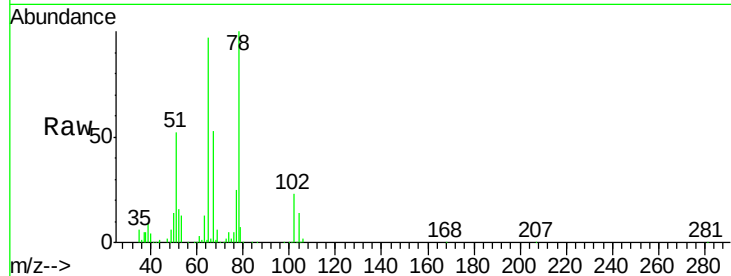
67 54.2 0.0 108.0

Manual Integrations

APPROVED

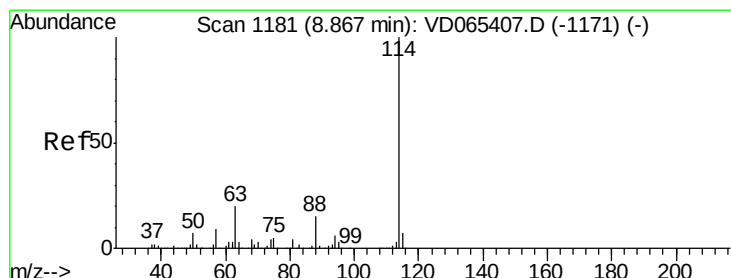
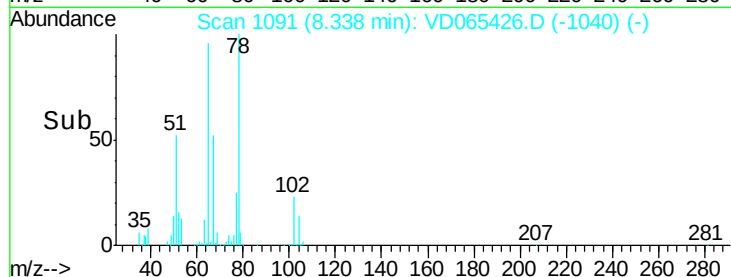
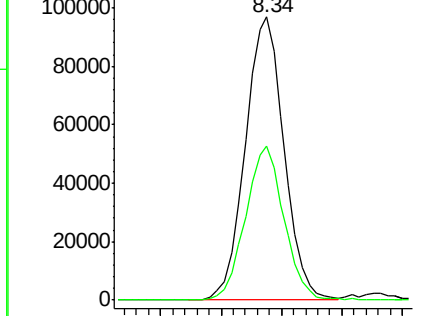
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

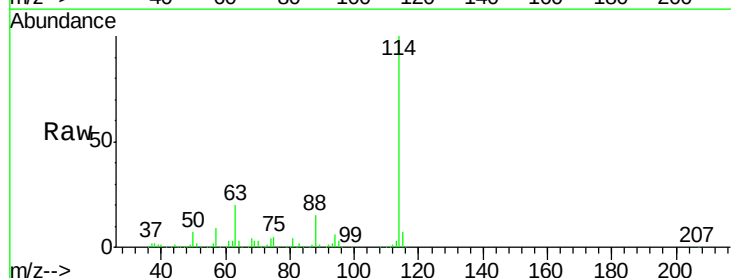
Tgt Ion: 114 Resp: 733293

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

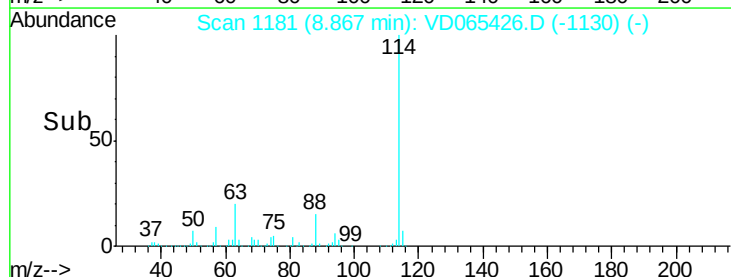
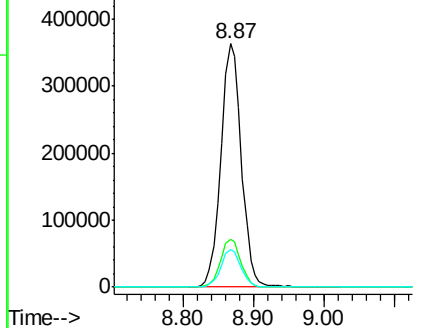
88 15.4 0.0 30.4

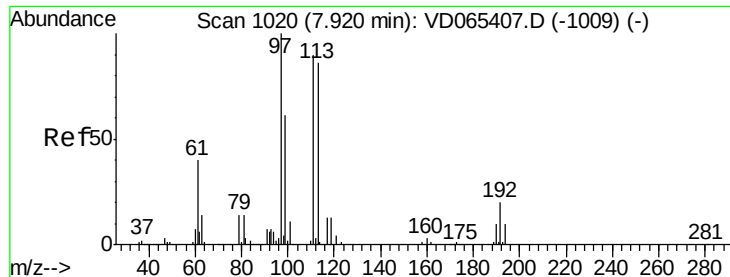


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





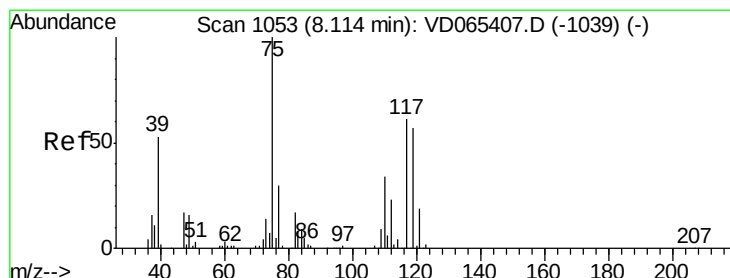
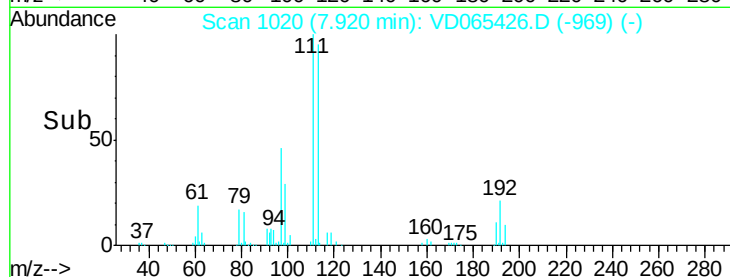
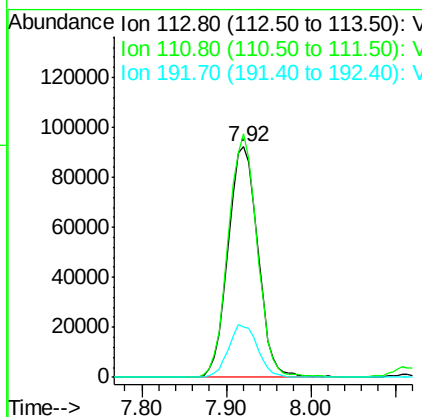
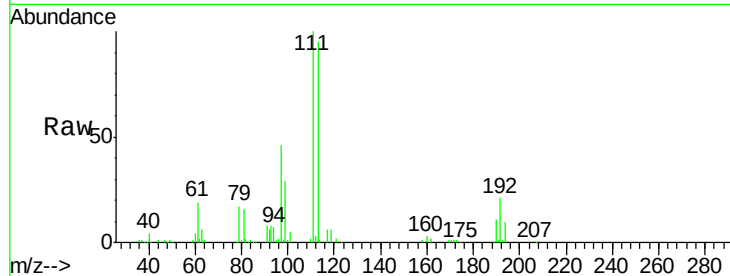
#35
 Dibromofluoromethane
 Concen: 49.619 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	225007		
111	102.2	82.1	123.1	
192	22.3	17.2	25.8	

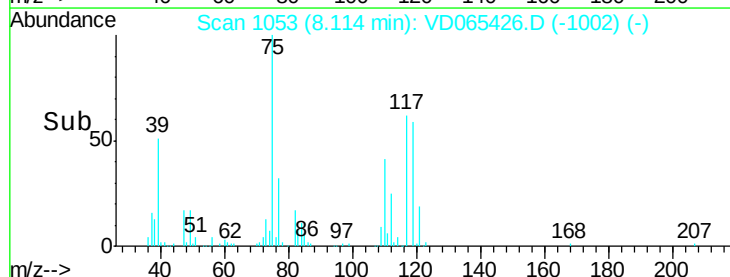
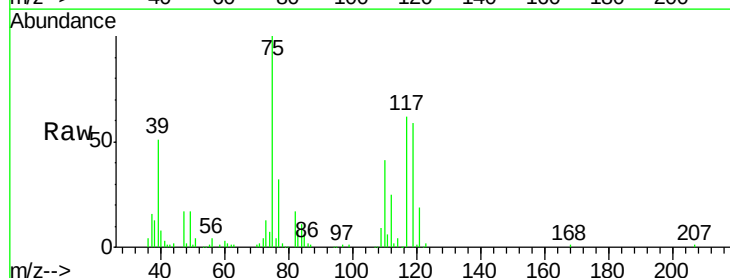
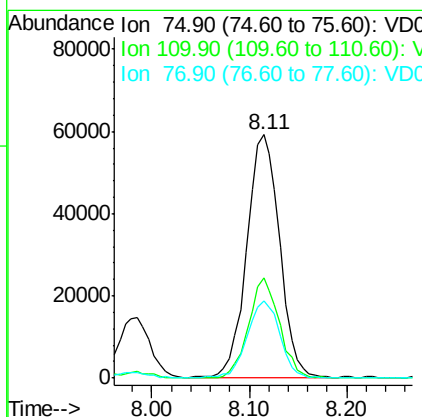
Manual Integrations
 APPROVED

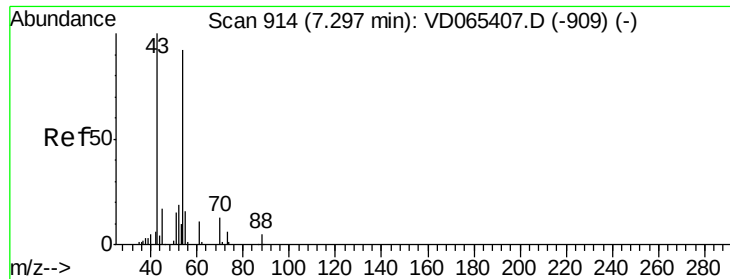
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#36
 1,1-Dichloropropene
 Concen: 19.816 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139285		
110	38.5	18.1	54.1	
77	31.9	25.2	37.8	





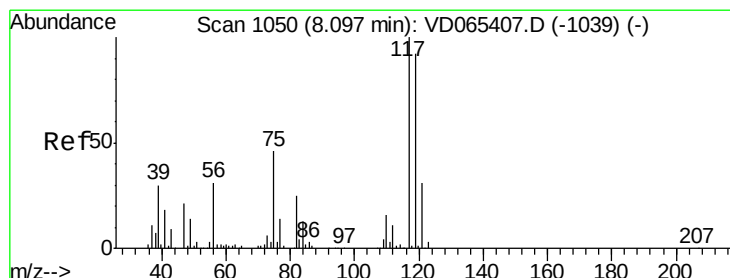
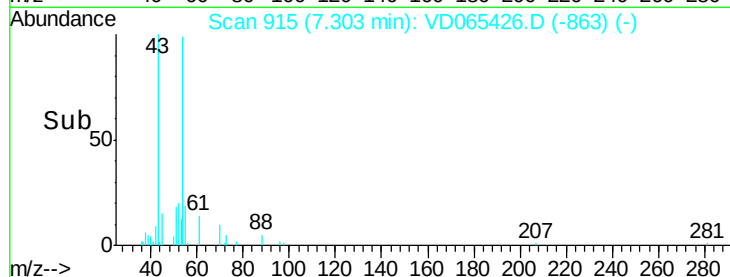
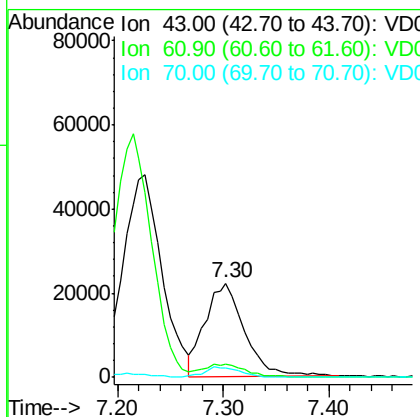
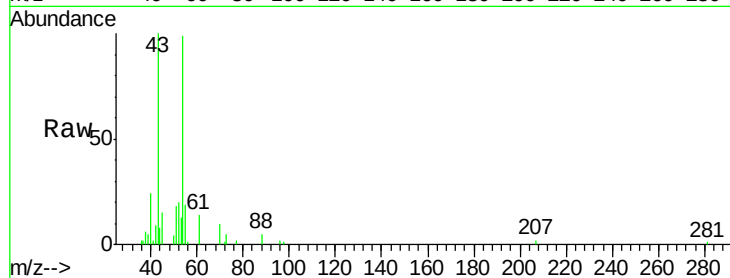
#37
Ethyl Acetate
Concen: 20.903 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.4	17.0
70	10.2	9.0	13.4

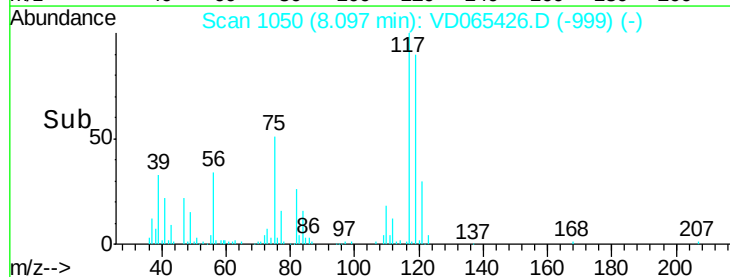
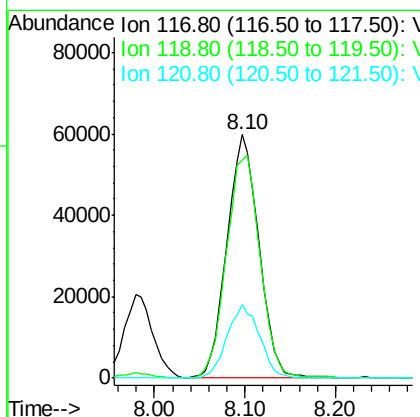
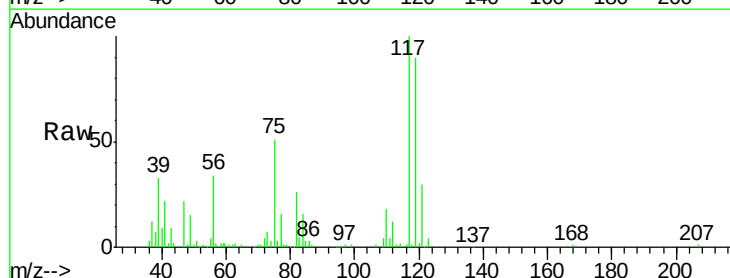
Manual Integrations
APPROVED

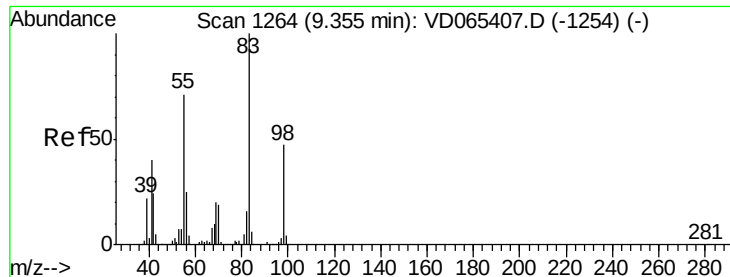
MMDadoda
3/6/2020 11:17:27 AM



#38
Carbon Tetrachloride
Concen: 20.155 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.5	73.3	109.9
121	30.0	25.0	37.4





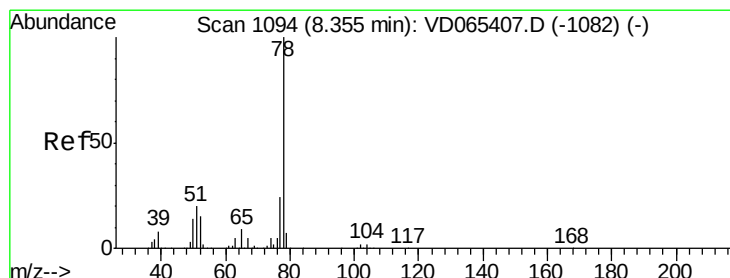
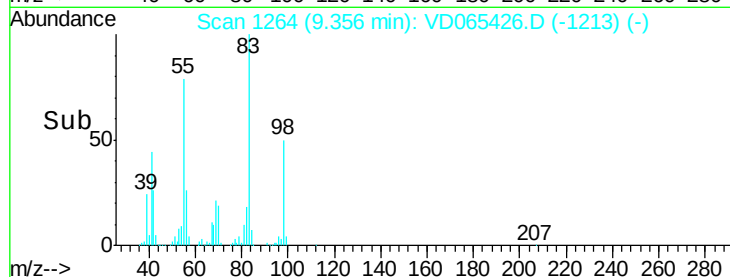
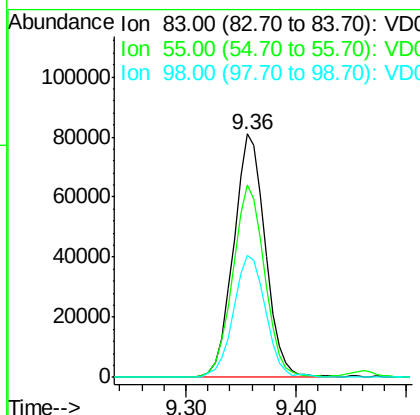
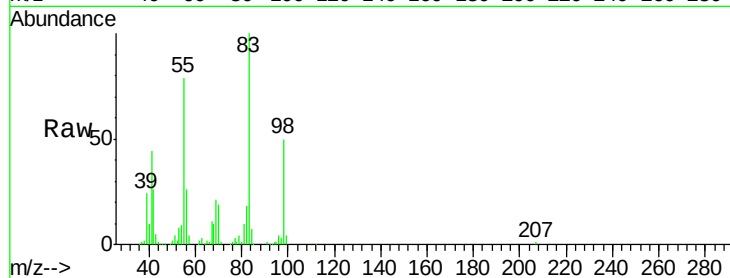
#39
Methylvlcyclohexane
Concen: 19.310 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.2	57.1	85.7
98	49.9	37.8	56.8

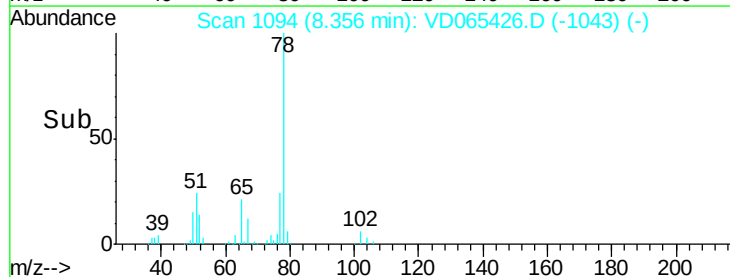
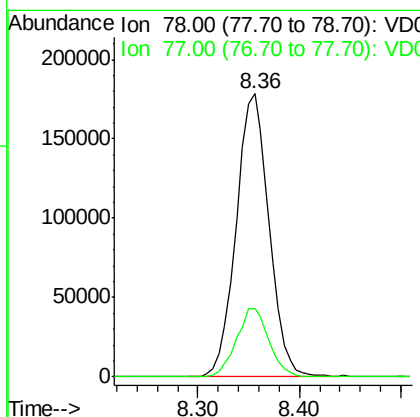
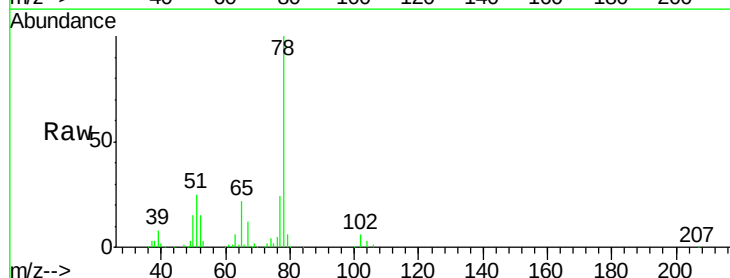
Manual Integrations
APPROVED

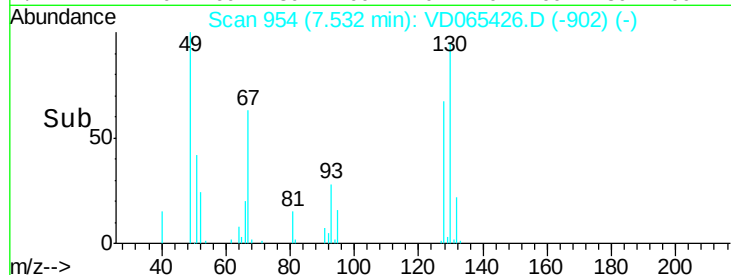
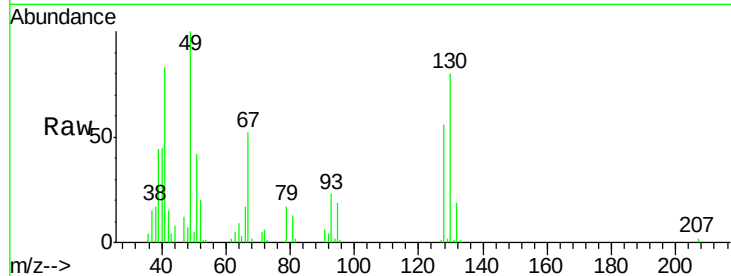
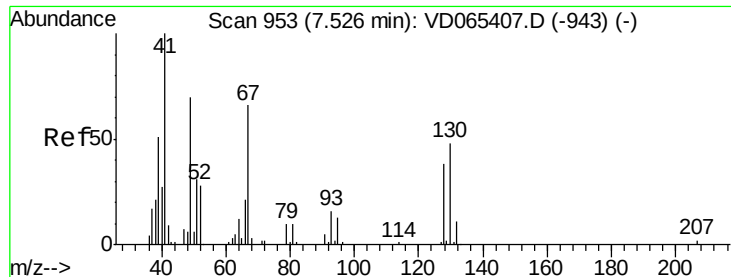
MMDadoda
3/6/2020 11:17:27 AM



#40
Benzene
Concen: 20.388 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

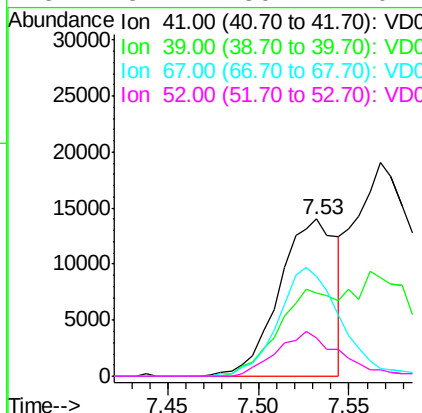
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.0





#41
Methacrylonitrile
Concen: 21.671 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

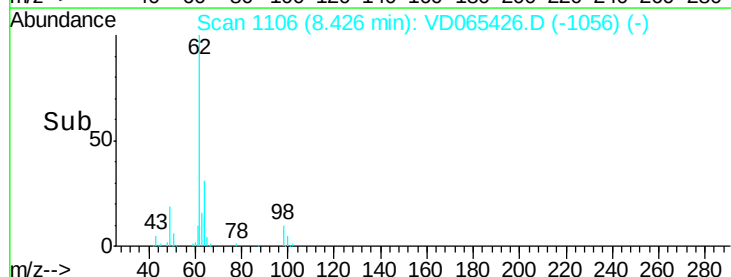
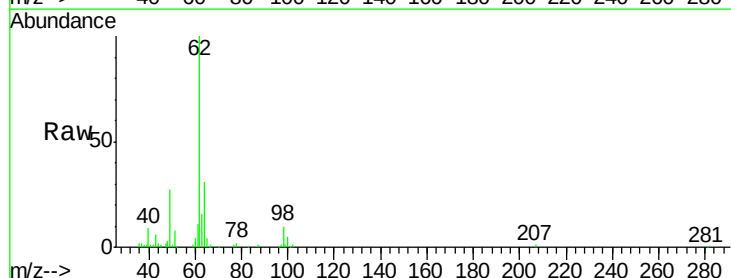
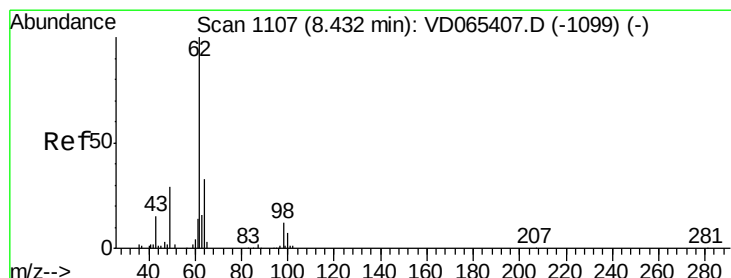
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		31137		
39	56.2	55.0	82.6		
67	74.9	70.3	105.5		
52	31.4	30.7	46.1		



Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

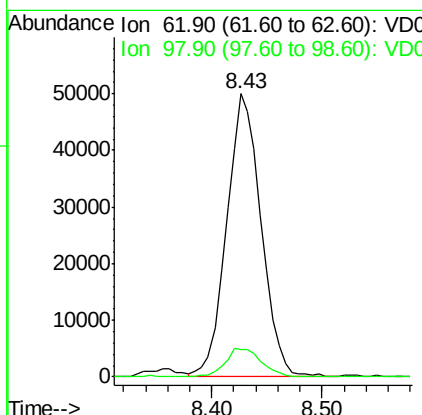
Manual Integrations
APPROVED

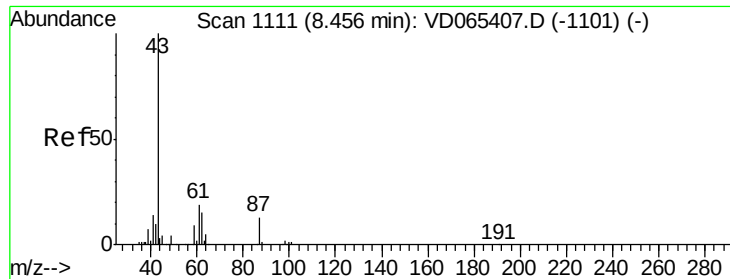
MMDadoda
3/6/2020 11:17:27 AM



#42
1,2-Dichloroethane
Concen: 21.097 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		108266		
98	10.5	0.0	21.4		





#43

Isopropyl Acetate

Concen: 21.235 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

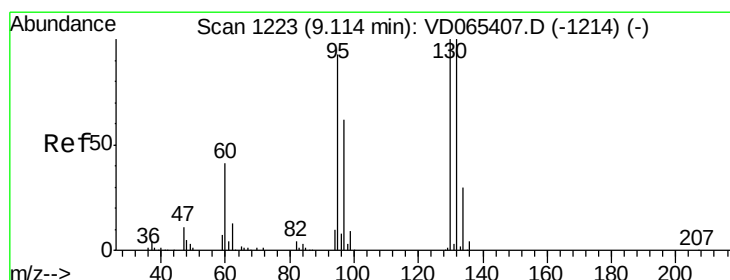
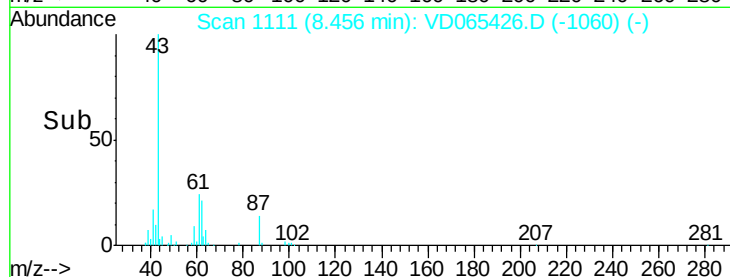
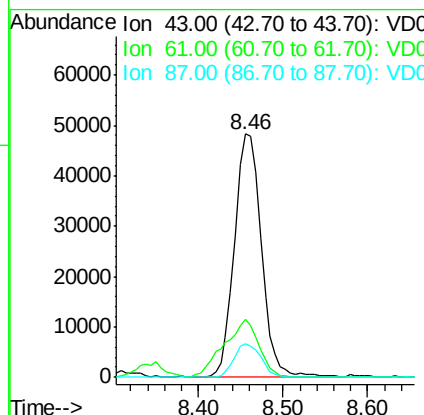
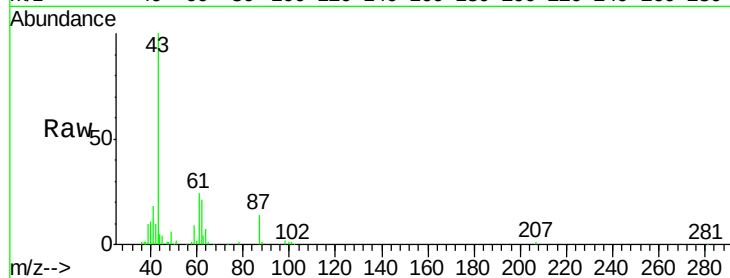
ClientSampleId :

VD0305SBS01

Tot Ion:	43	Resp:	106526
Ion	Ratio	Lower	Upper
43	100		
61	30.8	25.0	37.6
87	13.7	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 20.409 ug/l

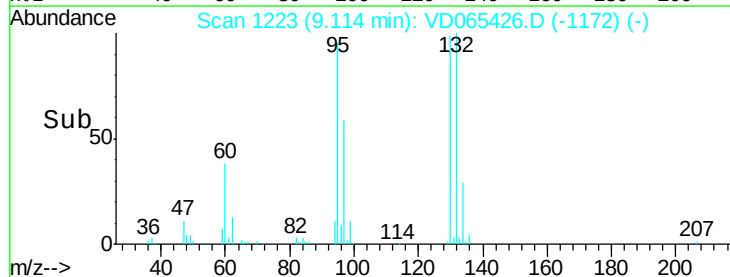
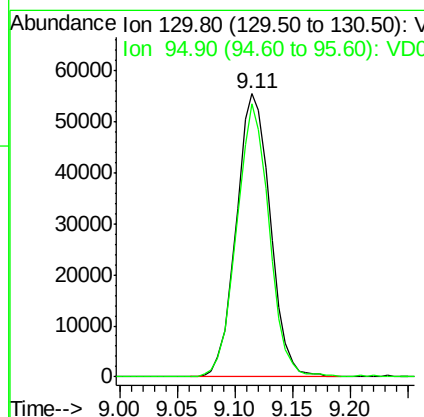
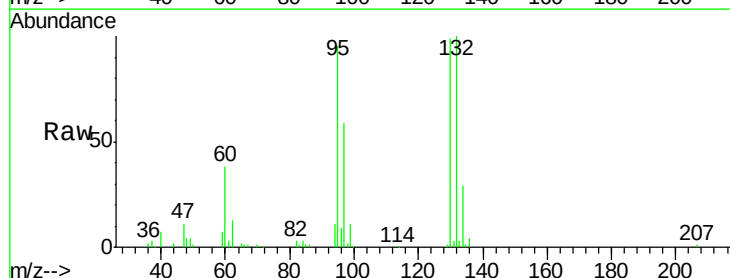
RT: 9.11 min Scan# 1223

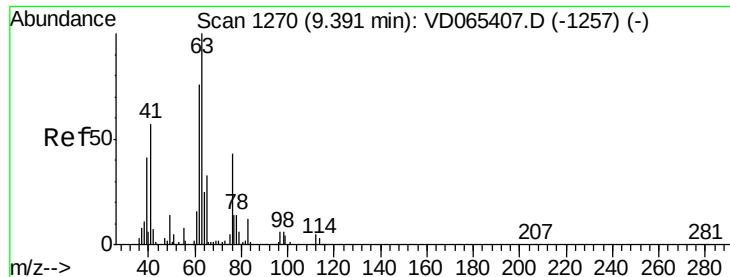
Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Tgt Ion:	130	Resp:	113271
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	186.0





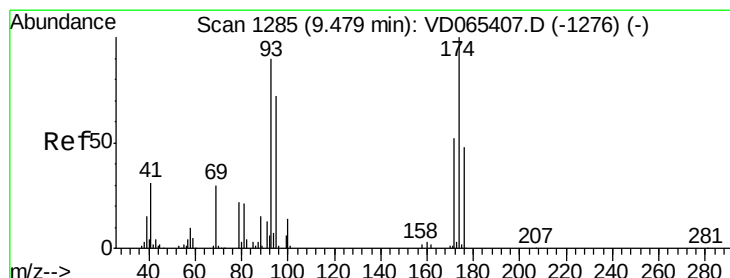
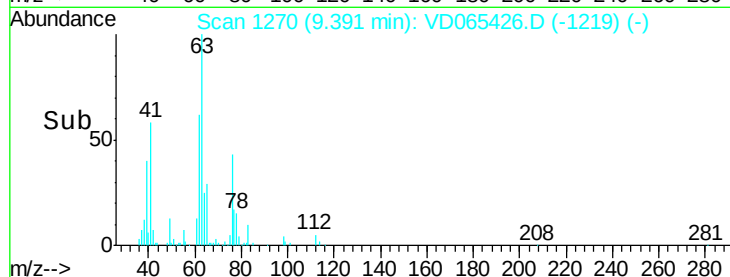
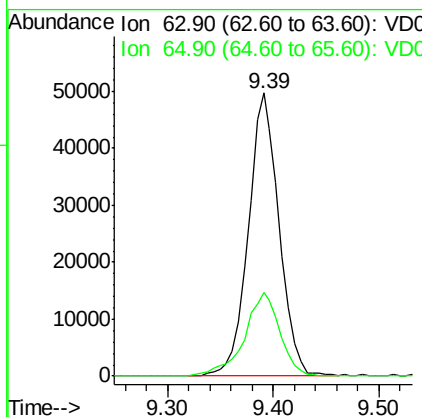
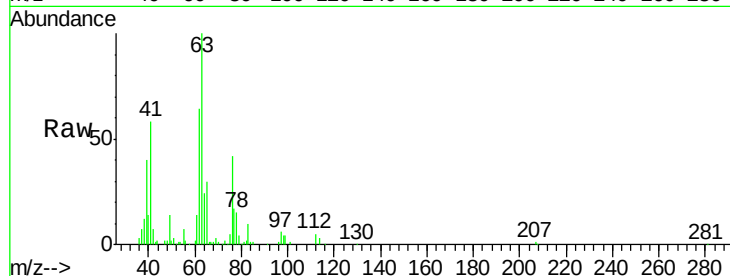
#45
 1,2-Dichloropropane
 Concen: 21.093 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBSD01

Tot Ion	63	Resp	100417
Ion Ratio	Lower	Upper	
63	100		
65	29.5	26.4	39.6

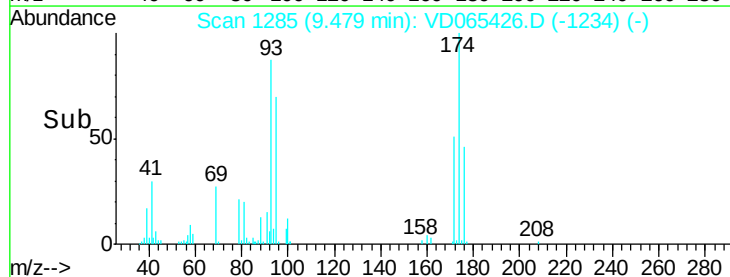
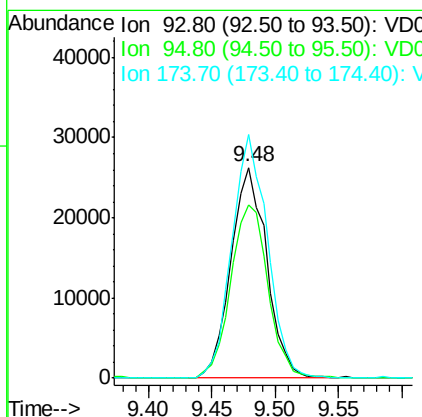
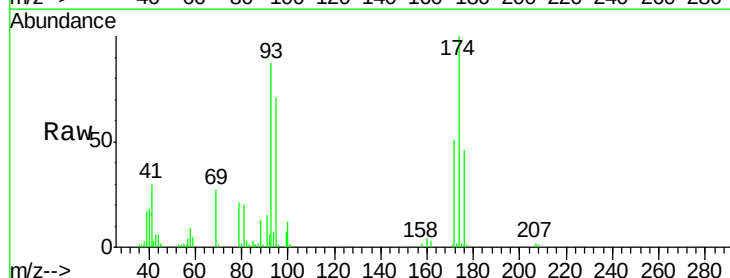
Manual Integrations
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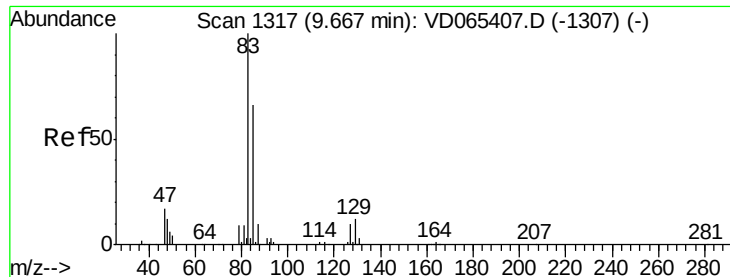
MMDadoda
 3/6/2020 11:17:27 AM



#46
 Dibromomethane
 Concen: 20.879 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion	93	Resp	51558
Ion Ratio	Lower	Upper	
93	100		
95	85.2	65.0	97.6
174	114.8	88.3	132.5





#47

Bromodichloromethane

Concen: 20.391 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

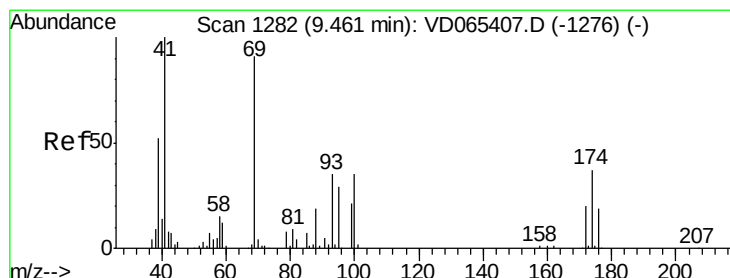
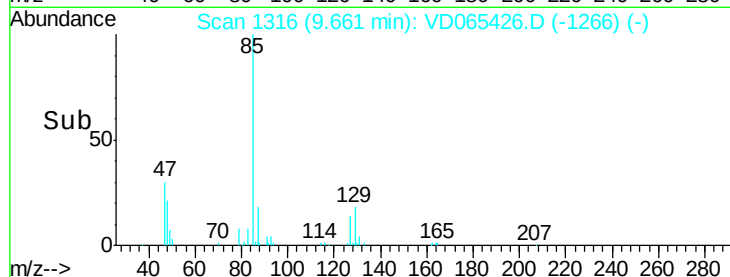
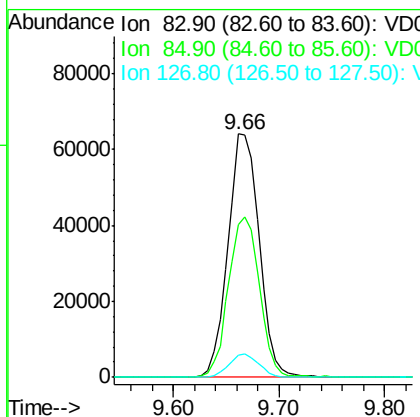
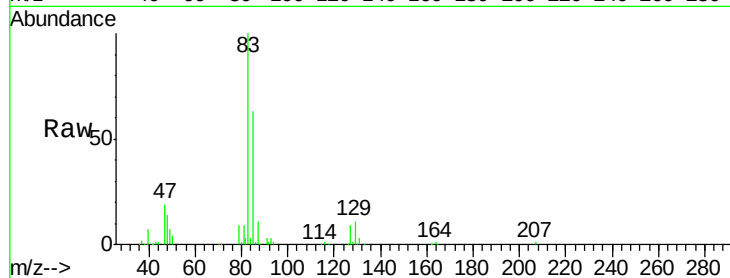
ClientSampleId :

VD0305SBSD01

Tot Ion:	83	Resp:	130992
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.8	79.2
127	9.0	8.0	12.0

Manual Integrations
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MMDadoda
3/6/2020 11:17:27 AM



#48

Methyl methacrylate

Concen: 20.795 ug/l

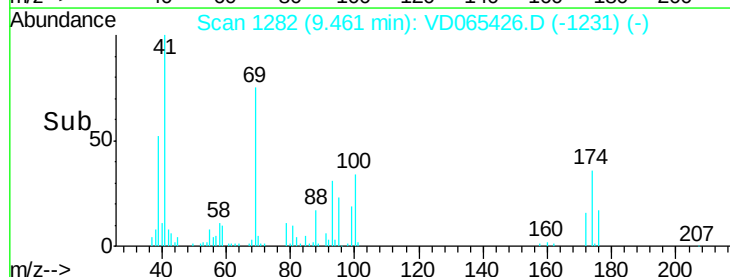
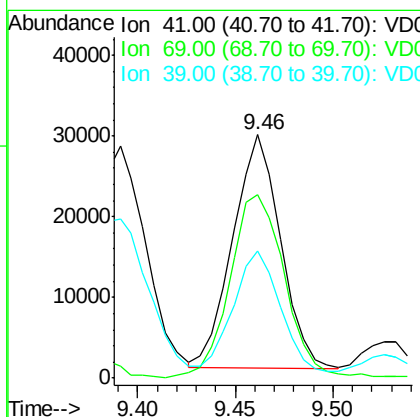
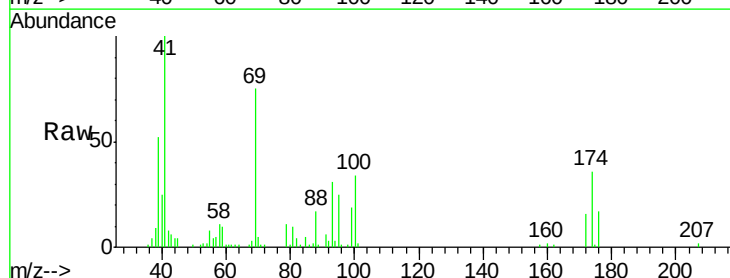
RT: 9.46 min Scan# 1282

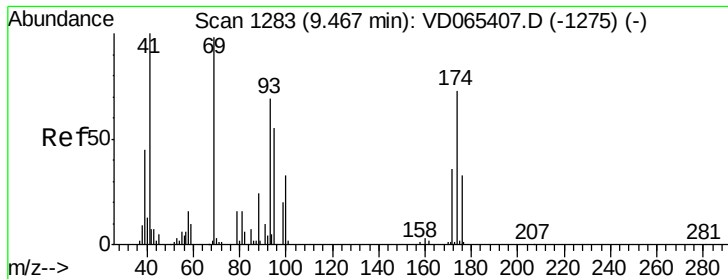
Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Tgt Ion:	41	Resp:	49069
Ion	Ratio	Lower	Upper
41	100		
69	90.5	72.5	108.7
39	50.2	41.6	62.4





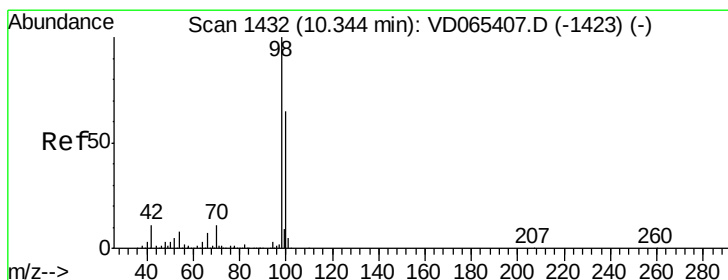
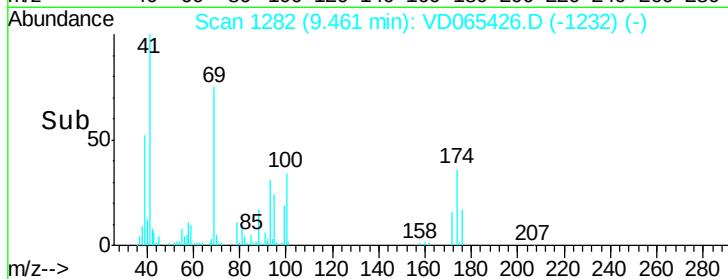
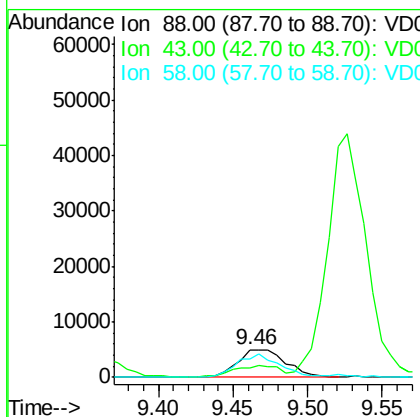
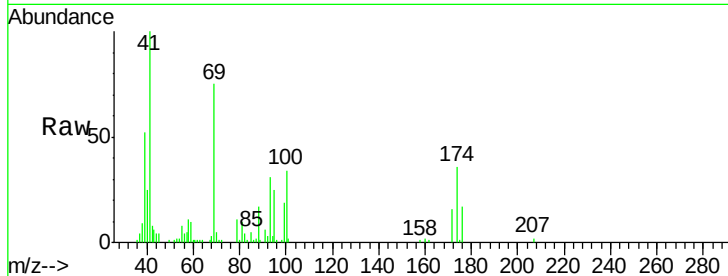
#49
1,4-Dioxane
Concen: 398.077 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.0	24.5	36.7#
58	75.4	54.5	81.7

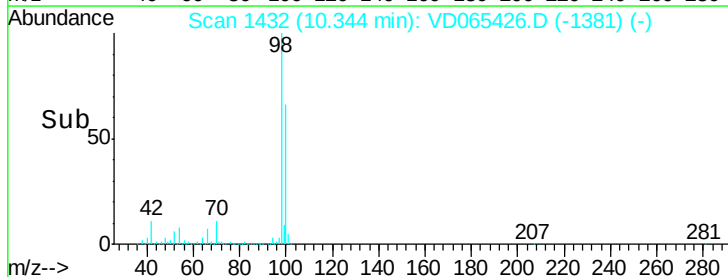
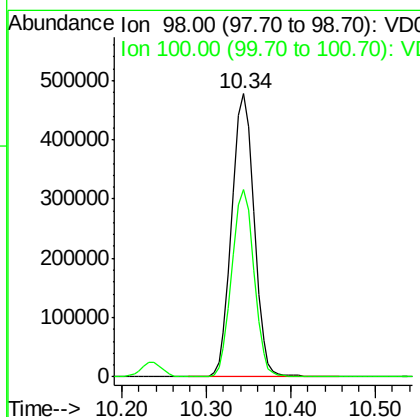
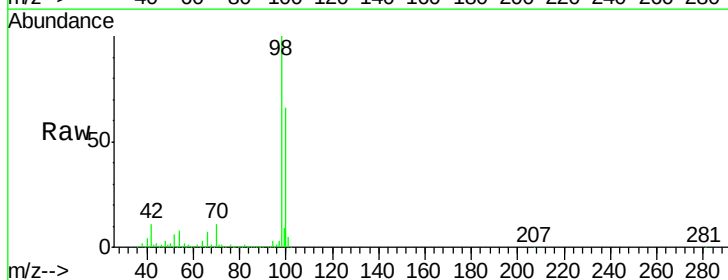
Manual Integrations
APPROVED

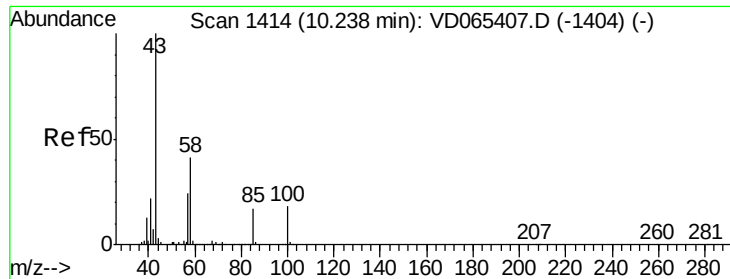
MMDadoda
3/6/2020 11:17:27 AM



#50
Toluene-d8
Concen: 50.120 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 108.207 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 43 Resp: 273157

Ion Ratio Lower Upper

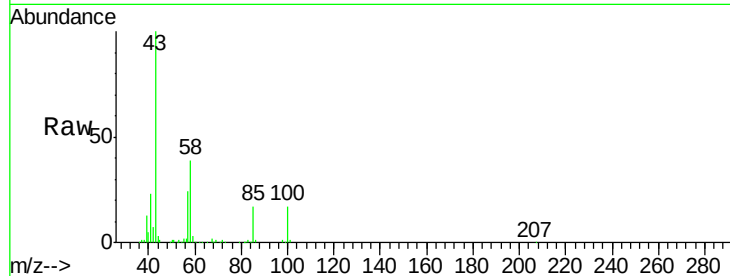
43 100

58 38.9 31.8 47.6

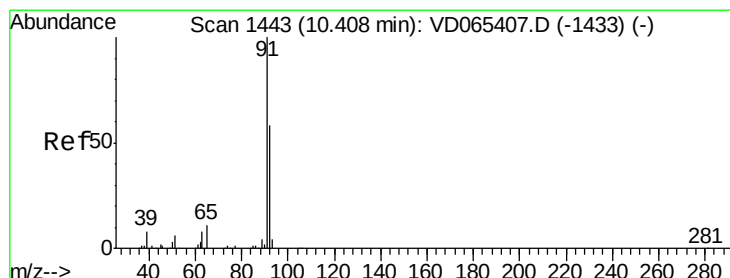
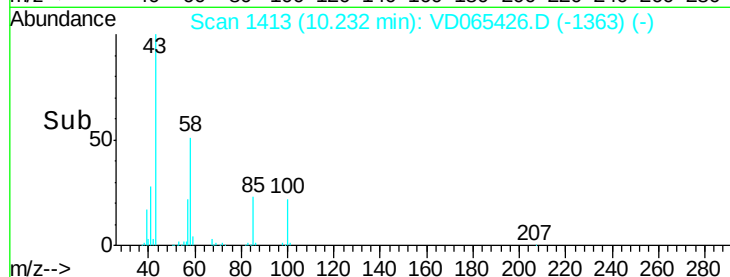
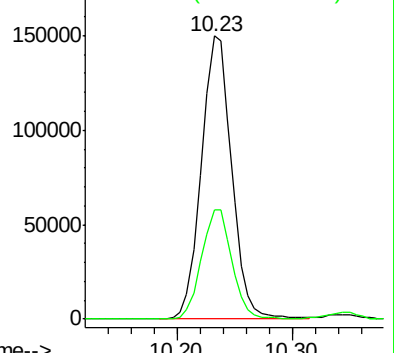
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.878 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065426.D

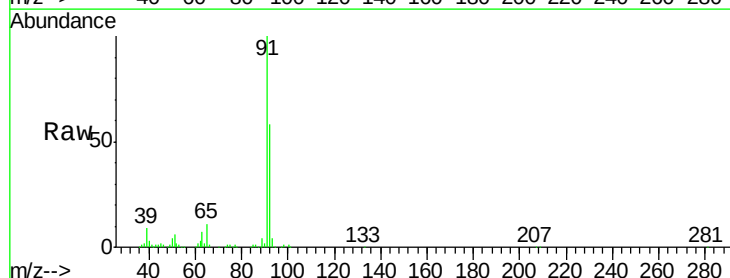
Acq: 05 Mar 2020 12:51

Tgt Ion: 92 Resp: 258487

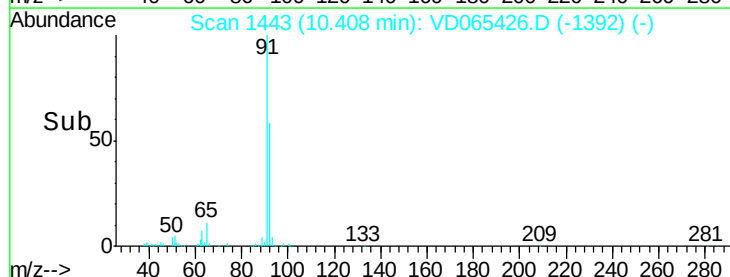
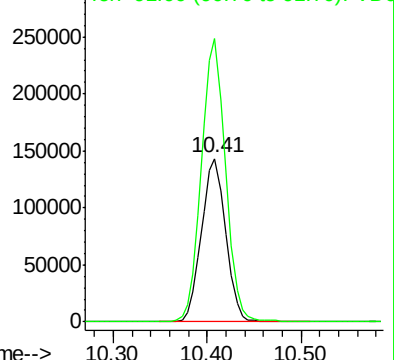
Ion Ratio Lower Upper

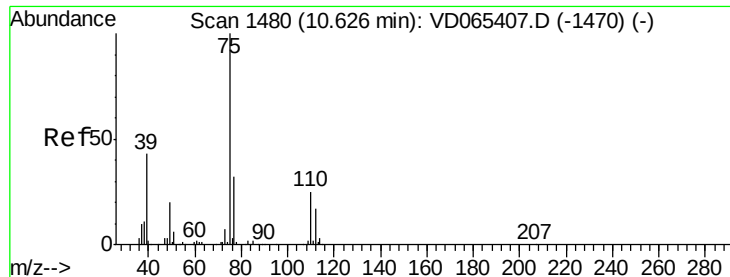
92 100

91 171.3 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





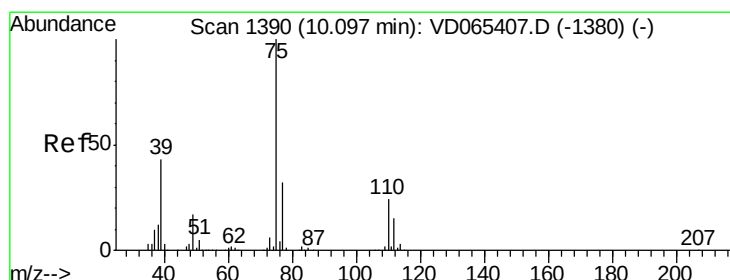
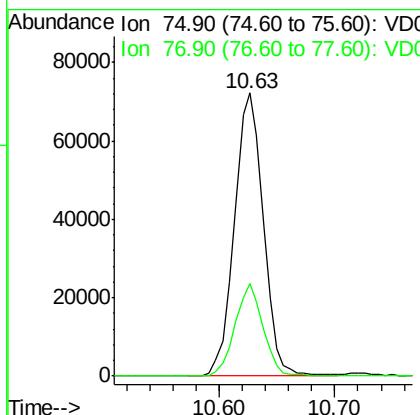
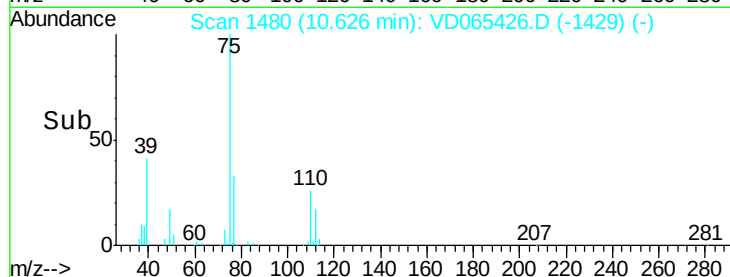
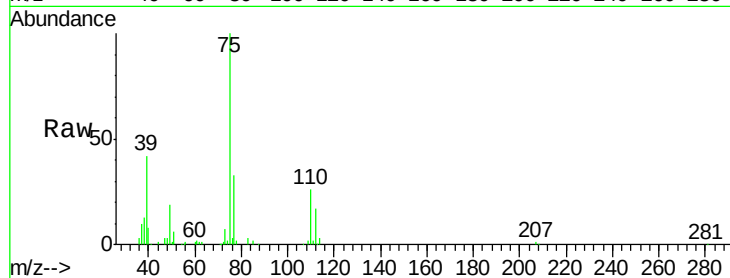
#53
t-1,3-Dichloropropene
Concen: 20.910 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.2

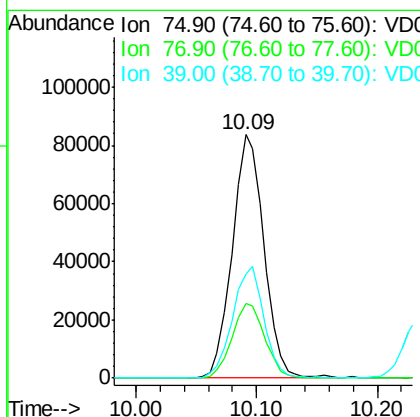
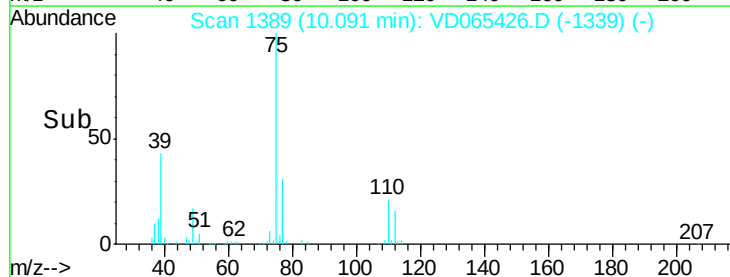
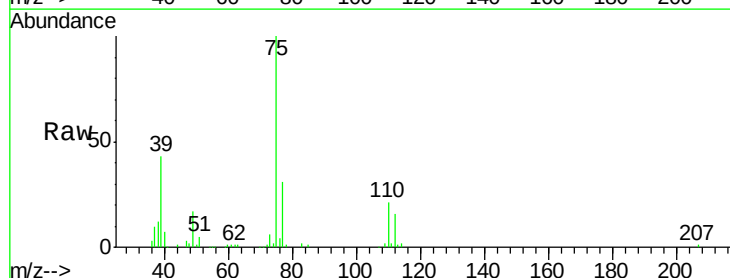
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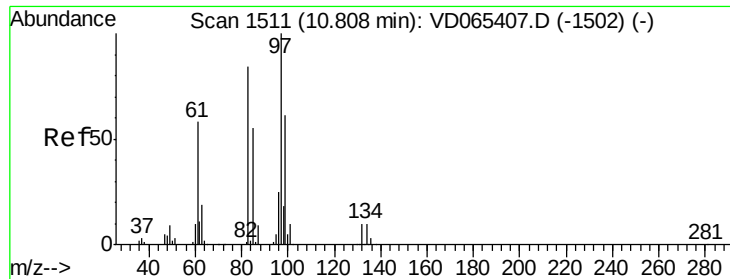
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#54
cis-1,3-Dichloropropene
Concen: 21.105 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9
39	42.6	34.6	52.0





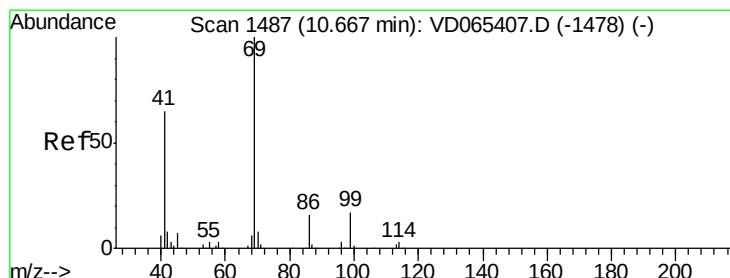
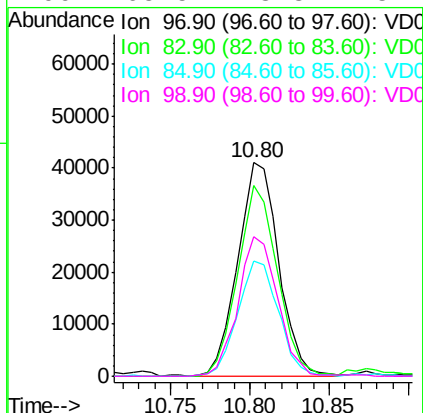
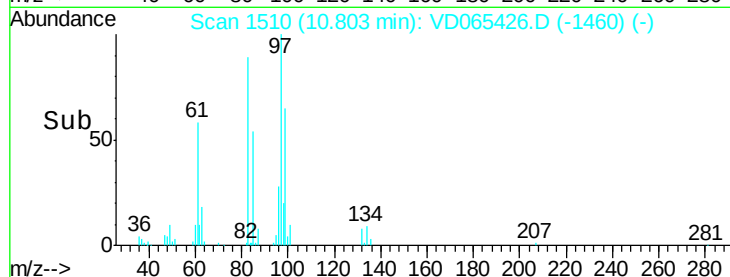
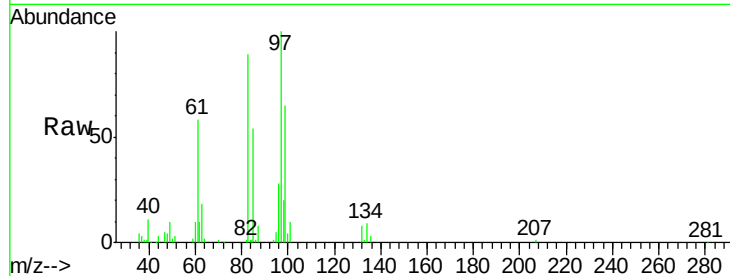
#55
 1,1,2-Trichloroethane
 Concen: 21.111 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion:	97	Resp:	73833
Ion	Ratio	Lower	Upper
97	100		
83	89.3	67.4	101.0
85	53.7	43.8	65.8
99	65.5	48.8	73.2

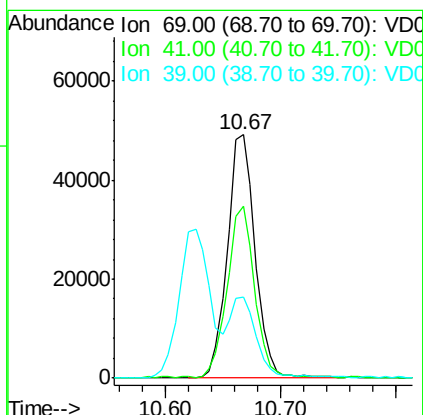
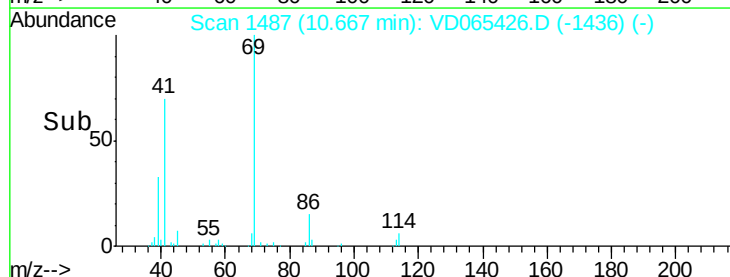
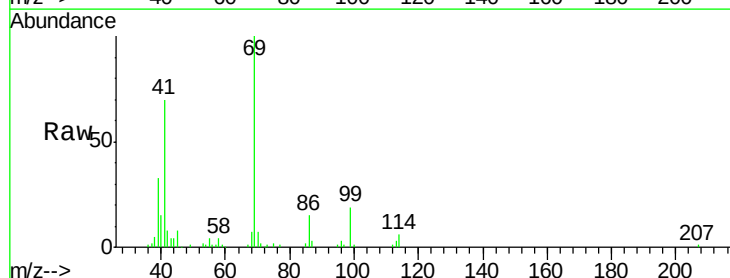
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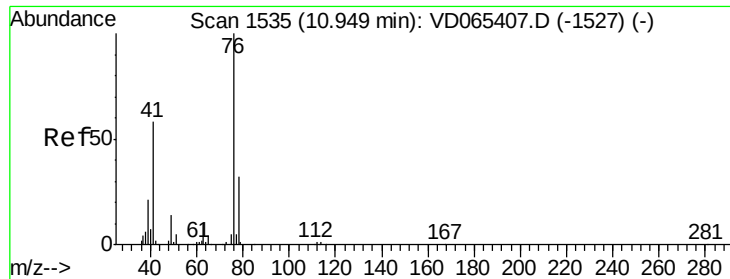
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#56
 Ethyl methacrylate
 Concen: 20.762 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion:	69	Resp:	81861
Ion	Ratio	Lower	Upper
69	100		
41	68.4	53.0	79.6
39	31.8	26.0	39.0





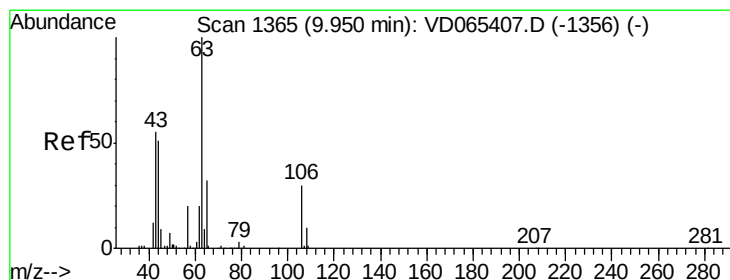
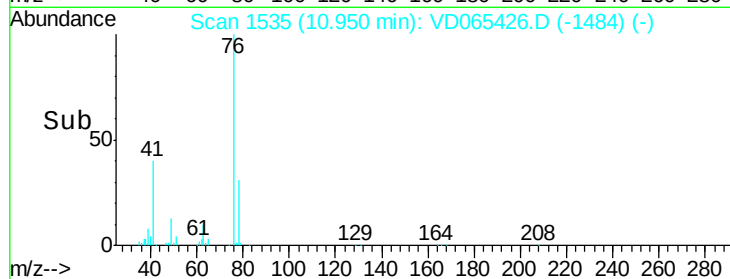
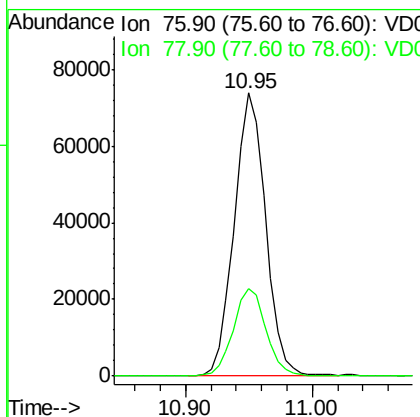
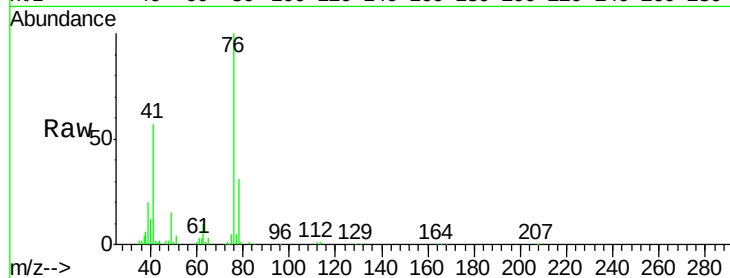
#57
 1,3-Dichloropropane
 Concen: 21.398 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.0	39.0

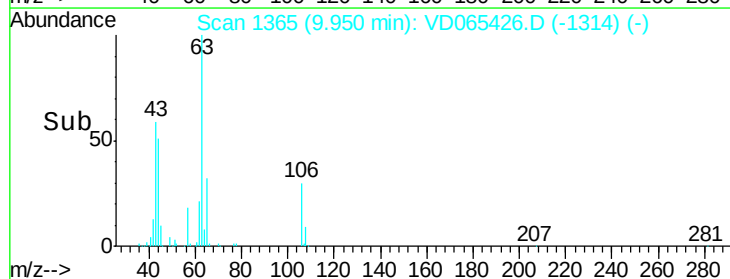
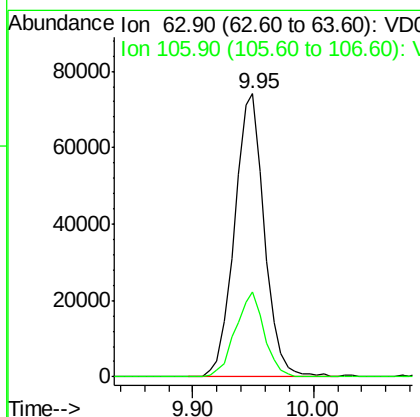
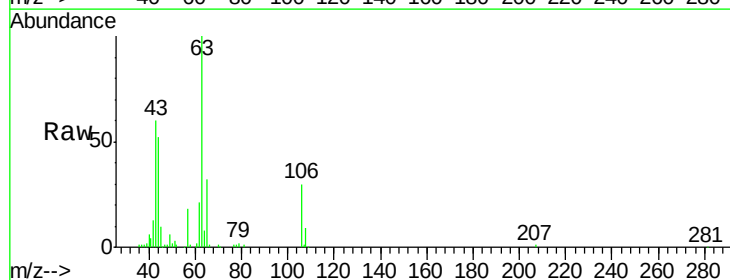
Manual Integrations
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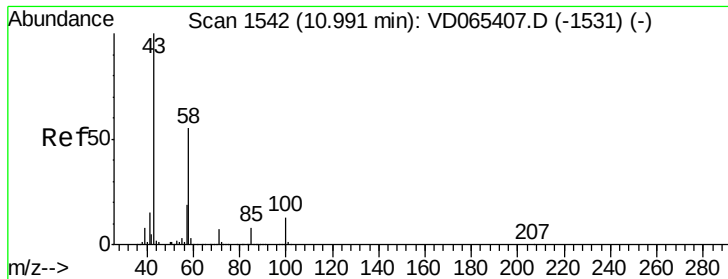
MMDadoda
 3/6/2020 11:17:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.929 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.3	34.9





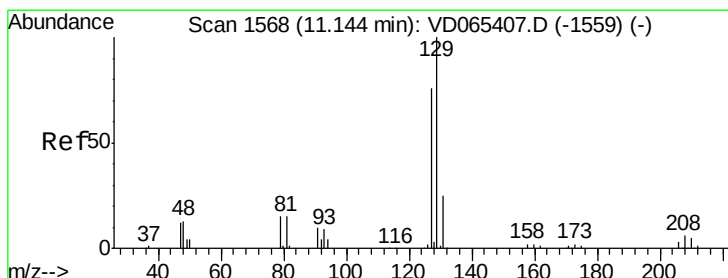
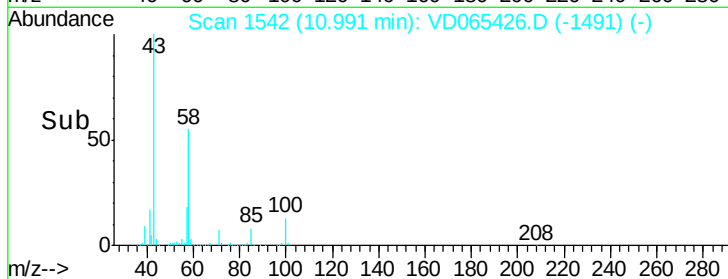
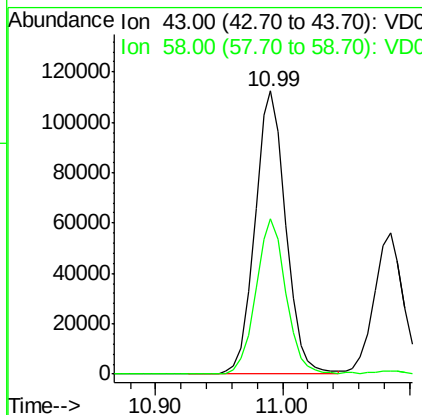
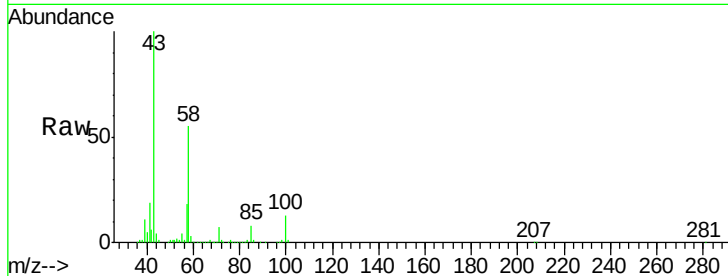
#59
2-Hexanone
Concen: 108.842 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	43	58	Ratio	Lower	Upper
190201	100	53.4		27.4	82.2

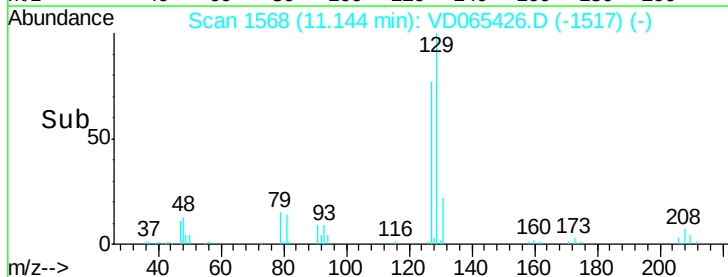
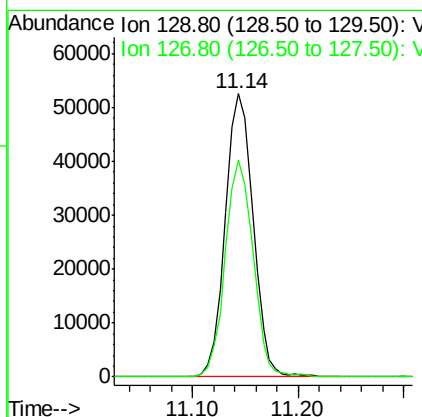
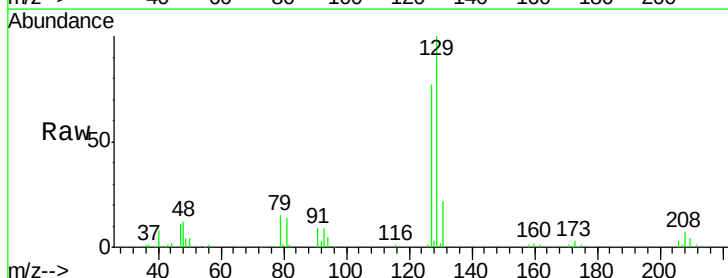
Manual Integrations
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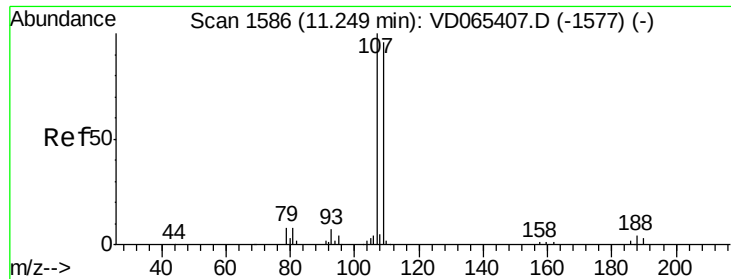
MMDadoda
3/6/2020 11:17:27 AM



#60
Dibromochloromethane
Concen: 21.416 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion	129	127	Ratio	Lower	Upper
96010	100	76.6		38.5	115.5





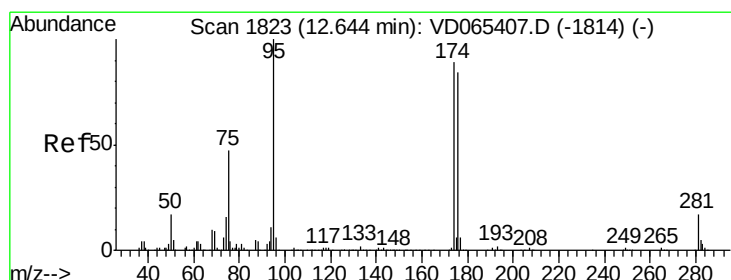
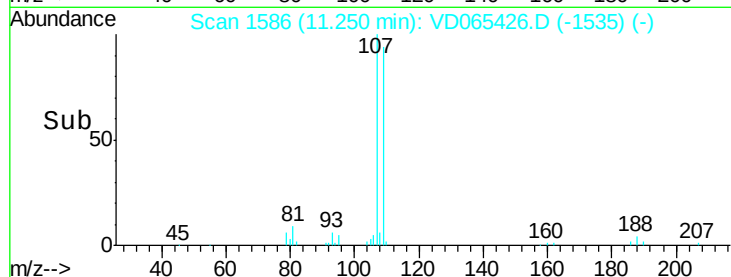
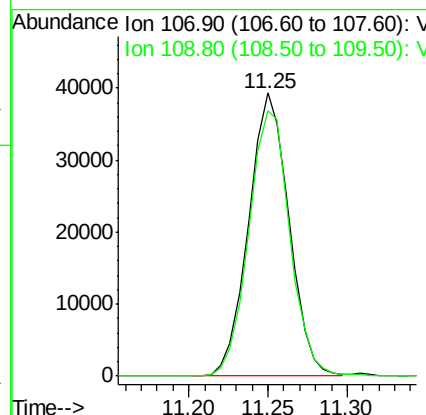
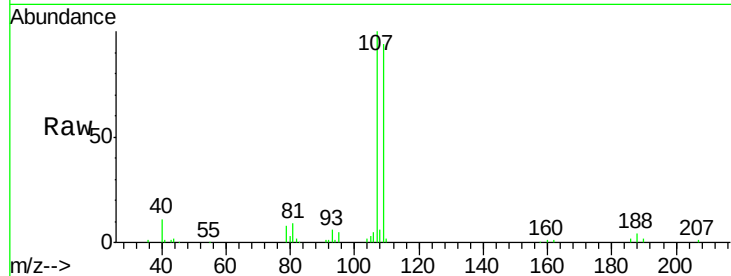
#61
 1,2-Dibromoethane
 Concen: 20.872 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	76.8	115.2

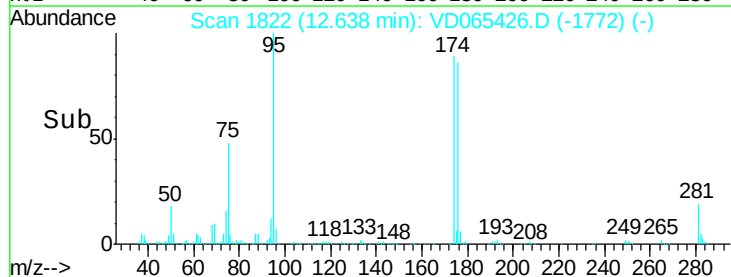
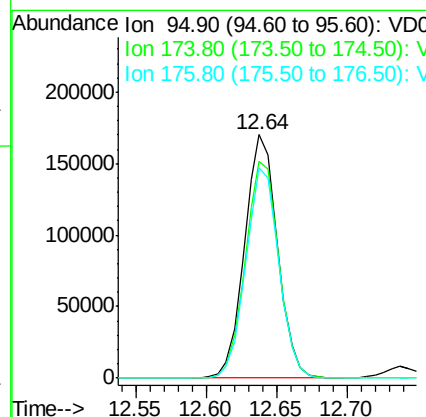
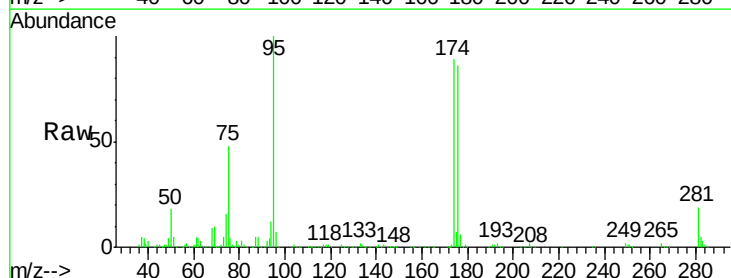
Manual Integrations
 APPROVED

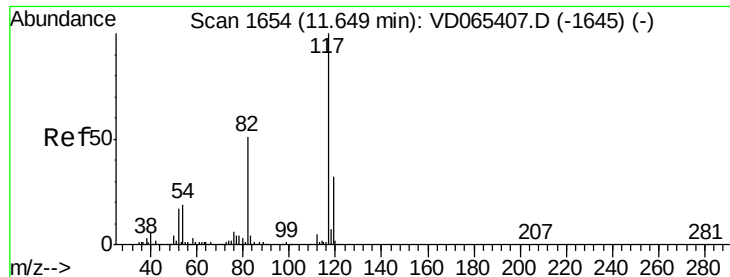
MMDadoda
 3/6/2020 11:17:27 AM



#62
 4-Bromofluorobenzene
 Concen: 51.567 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	176.8
176	86.9	0.0	171.4





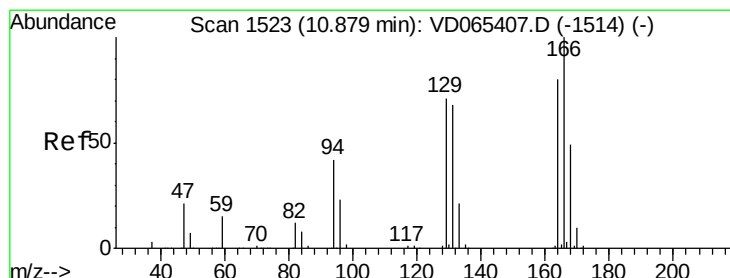
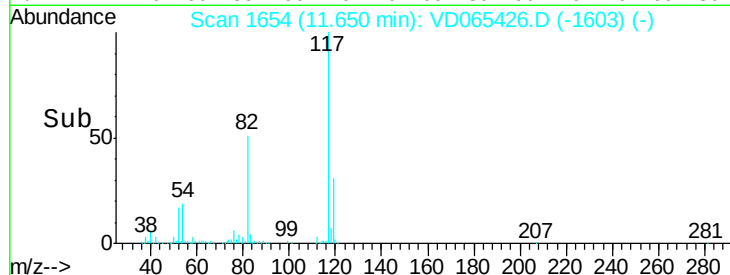
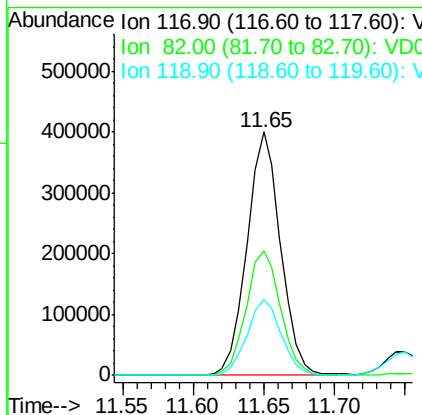
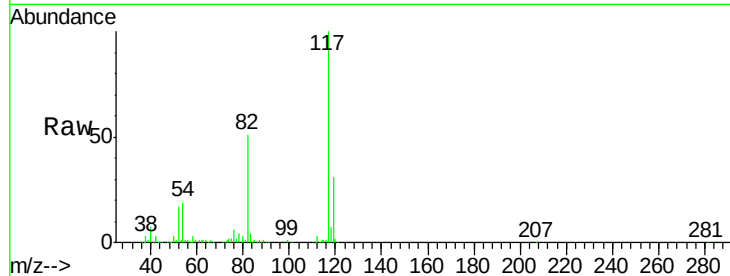
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	40.6	60.8
119	31.4	25.4	38.2

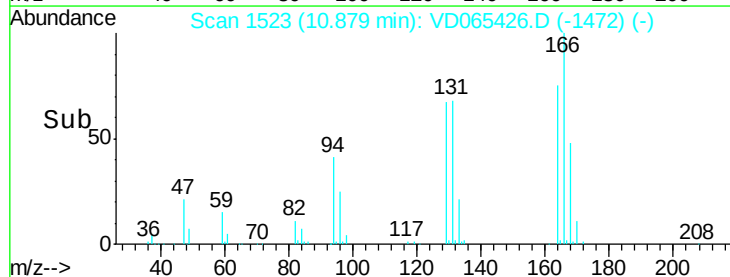
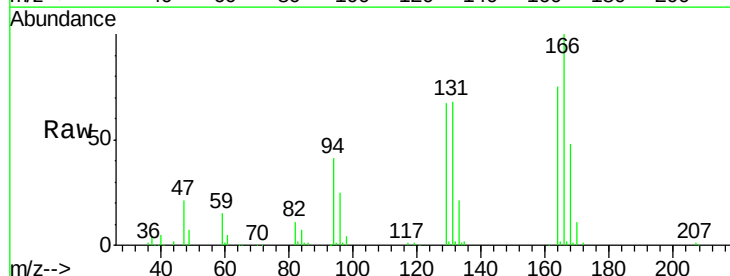
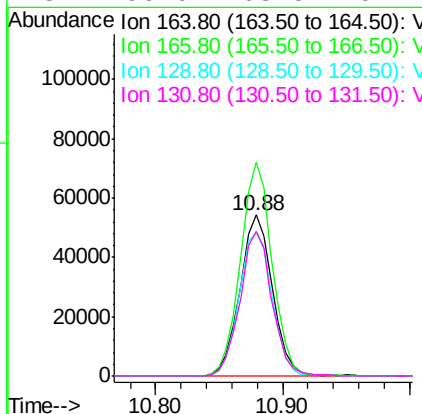
Manual Integrations
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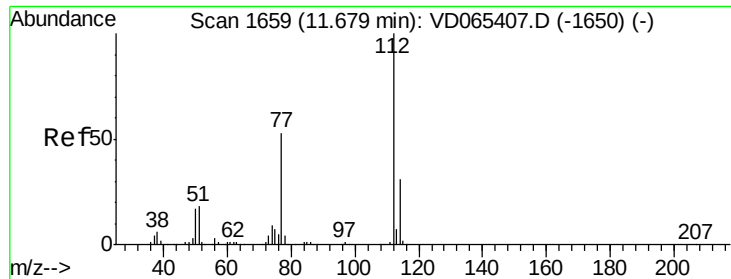
MMDadoda
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#64
Tetrachloroethene
Concen: 20.105 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.8	100.5	150.7
129	89.2	71.5	107.3
131	90.0	68.5	102.7





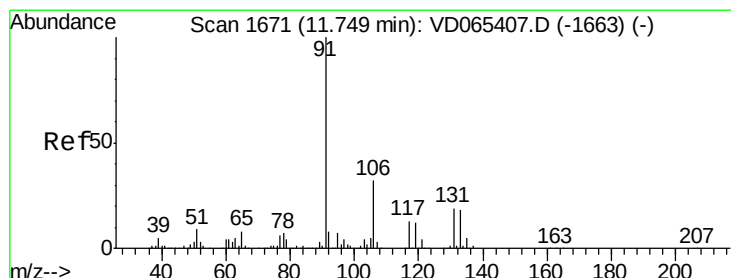
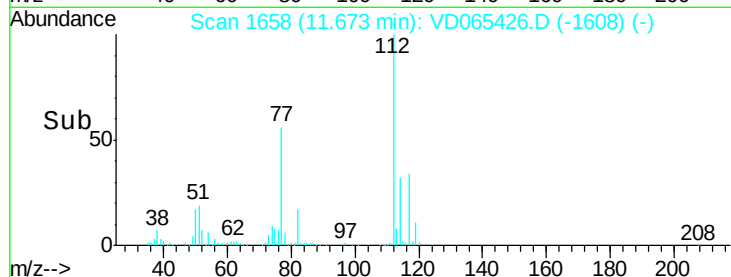
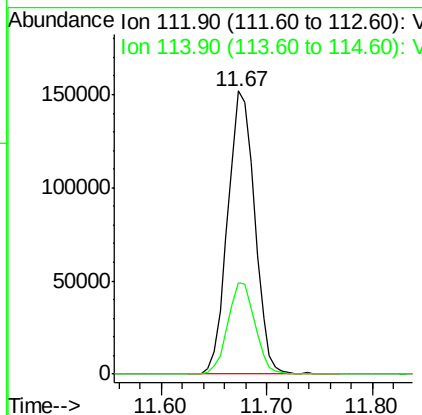
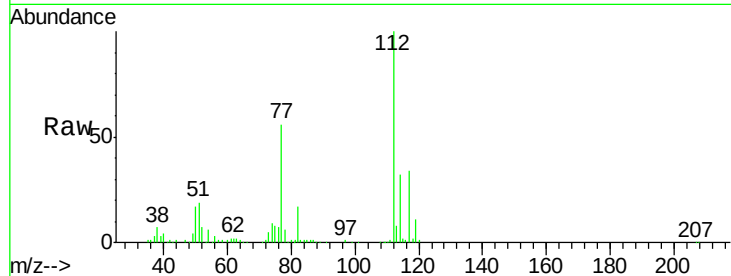
#65
Chlorobenzene
Concen: 20.272 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	24.4	36.6

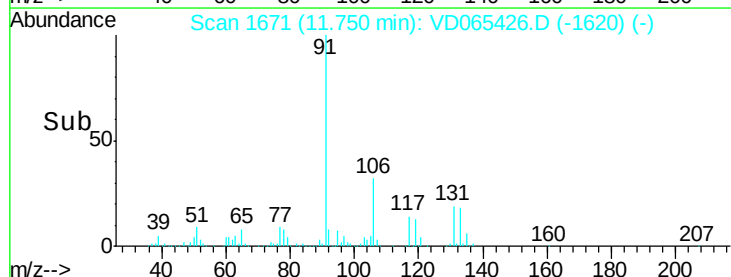
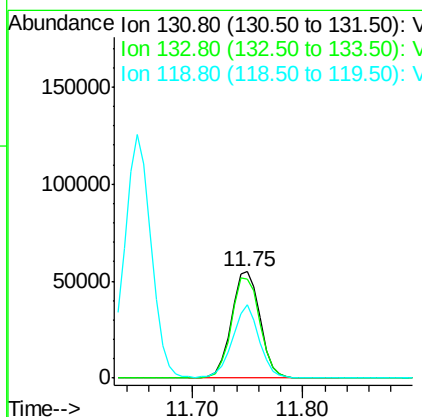
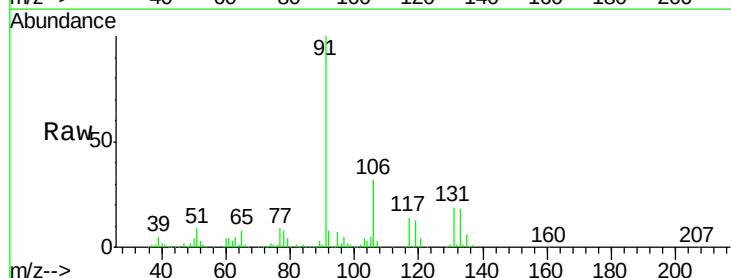
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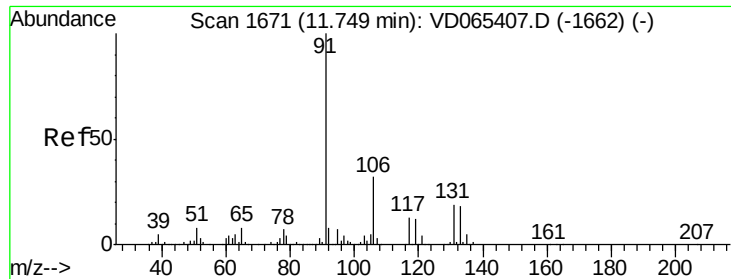
MMDadoda
3/6/2020 11:17:27 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.860 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	49.2	147.6
119	64.0	33.3	99.8





#67

Ethyl Benzene

Concen: 20.105 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 91 Resp: 459046

Ion Ratio Lower Upper

91 100

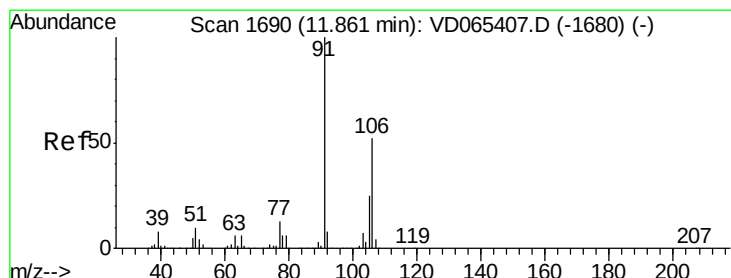
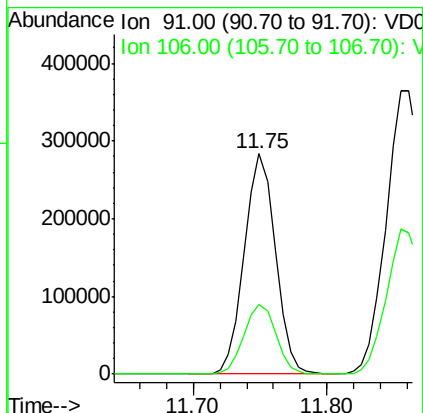
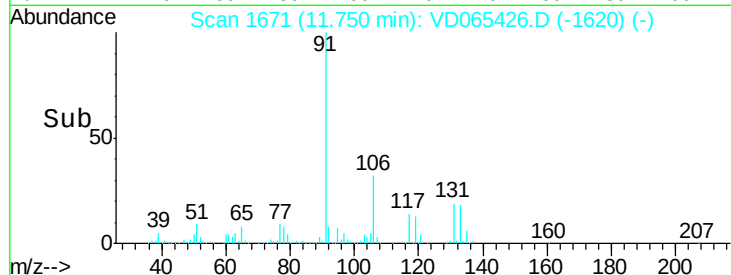
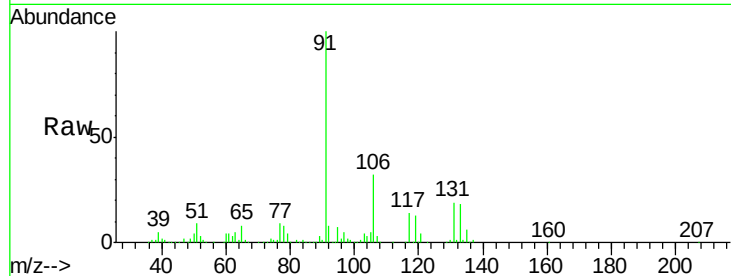
106 31.6 25.2 37.8

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#68

m/p-Xylenes

Concen: 41.009 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065426.D

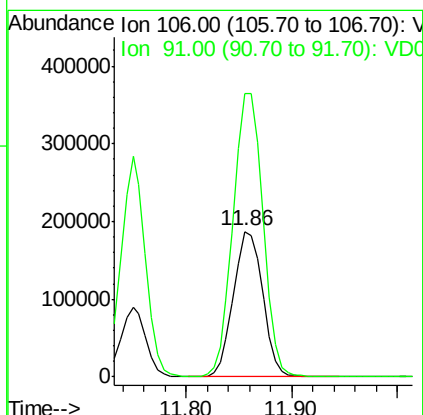
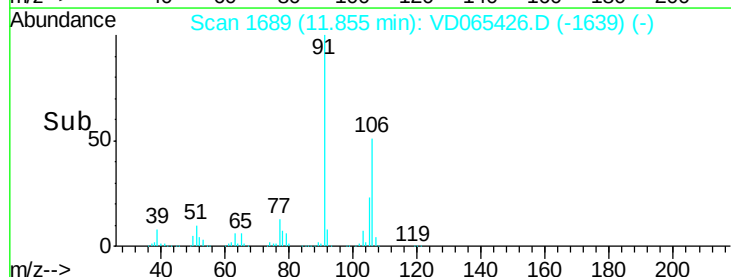
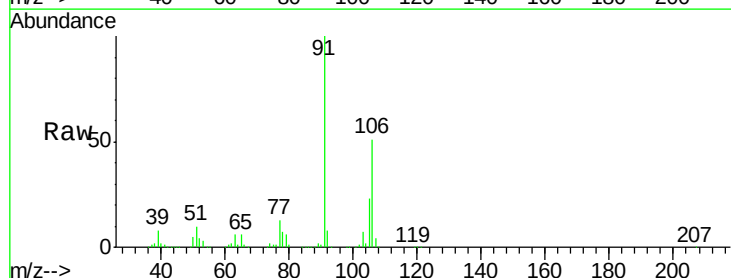
Acq: 05 Mar 2020 12:51

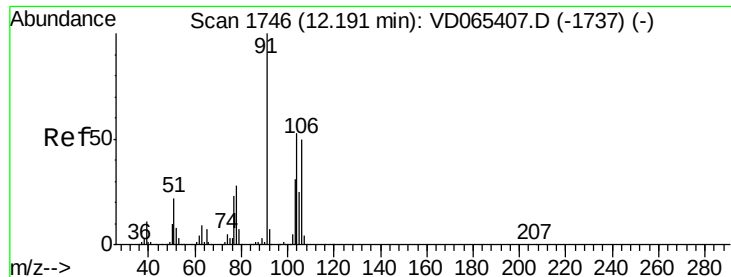
Tgt Ion: 106 Resp: 361037

Ion Ratio Lower Upper

106 100

91 198.3 155.9 233.9





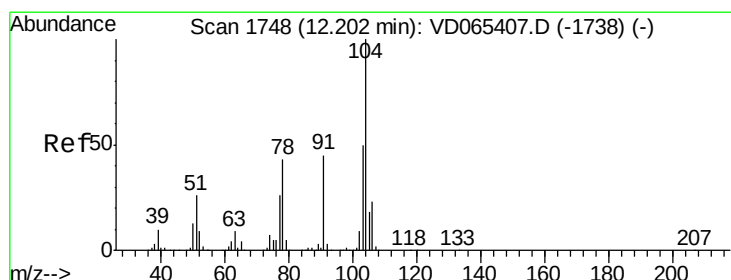
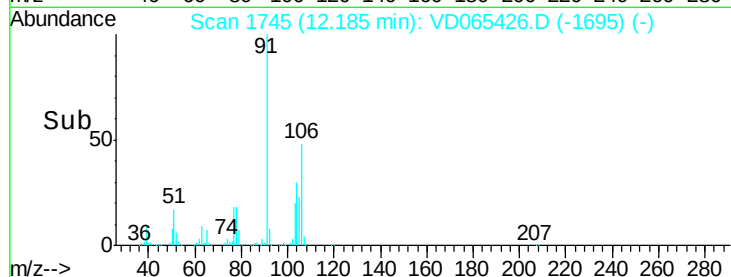
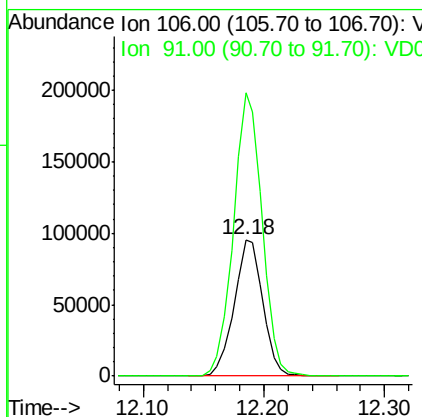
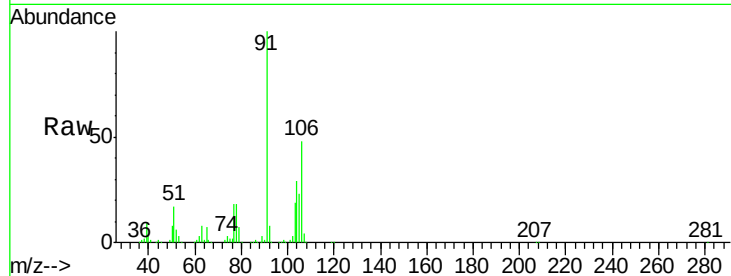
#69
o-Xylene
Concen: 20.327 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.7	103.5	310.3	

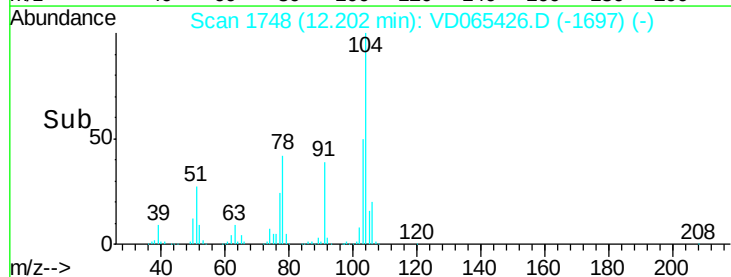
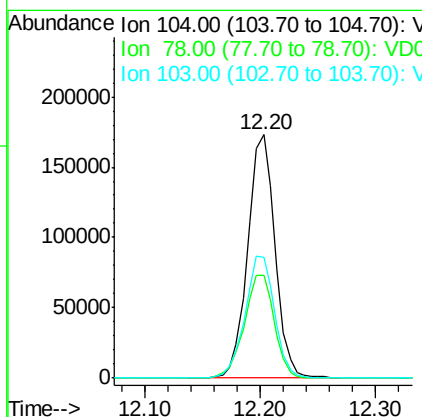
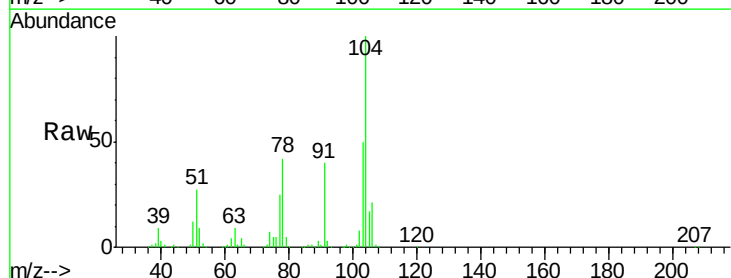
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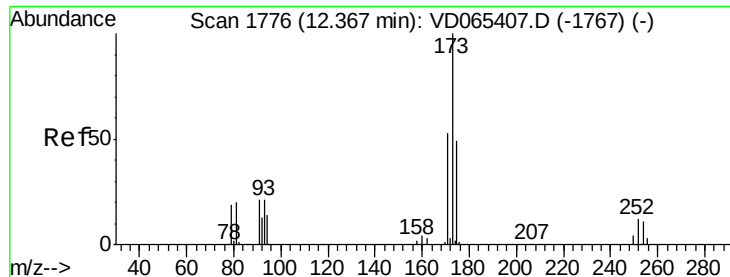
MMDadoda
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#70
Styrene
Concen: 20.914 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.6	37.7	56.5	
103	54.4	43.6	65.4	





#71

Bromoform

Concen: 20.772 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion:173 Resp: 56152

Ion Ratio Lower Upper

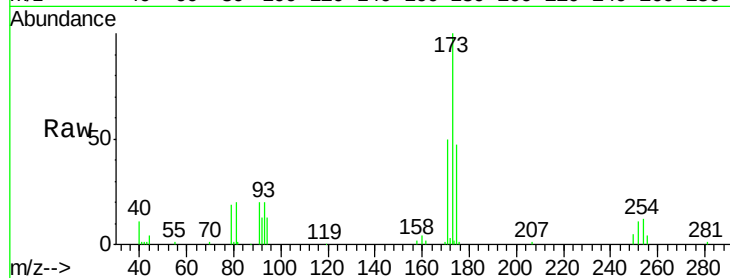
173 100

175 50.2 24.3 73.0

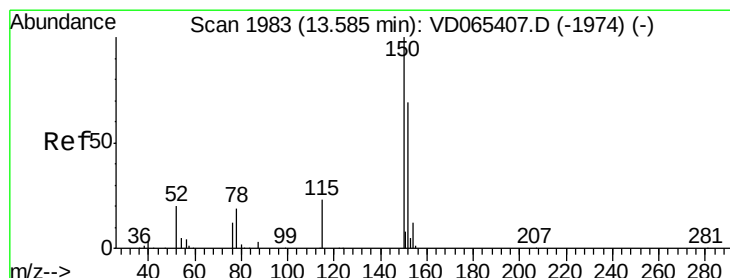
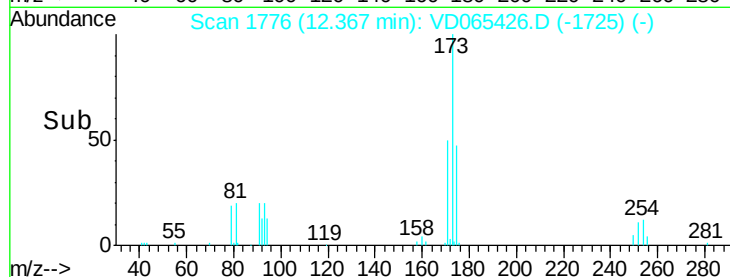
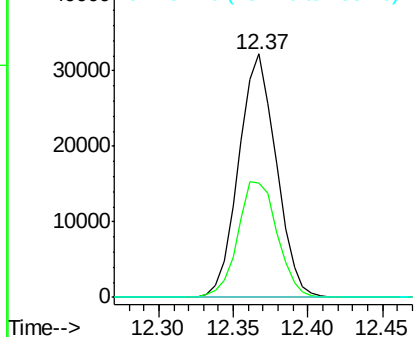
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

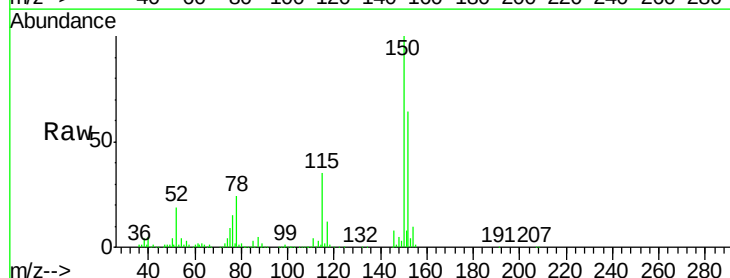
Tgt Ion:152 Resp: 334821

Ion Ratio Lower Upper

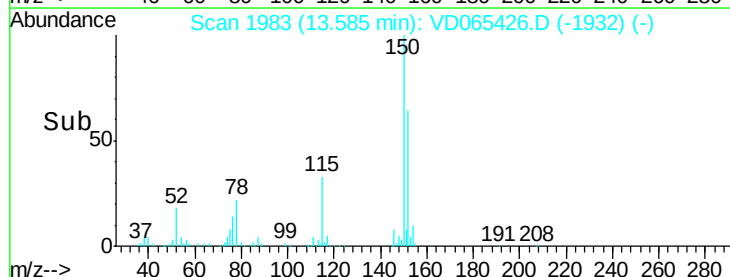
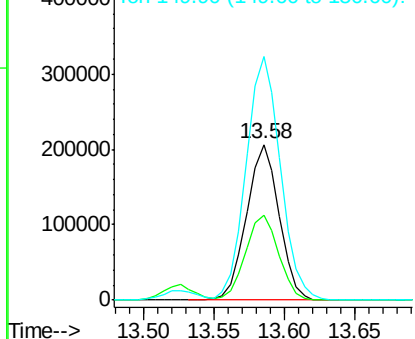
152 100

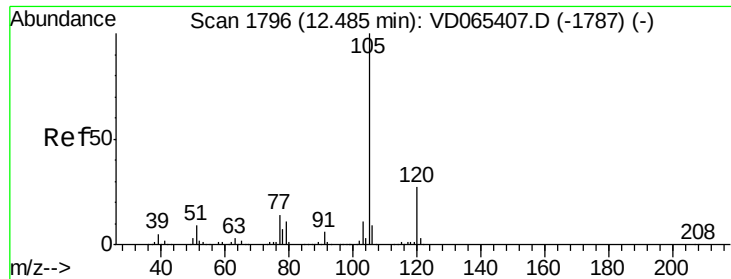
115 55.5 27.6 82.8

150 164.6 0.0 345.0



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: 19.330 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion:105 Resp: 425697

Ion Ratio Lower Upper

105 100

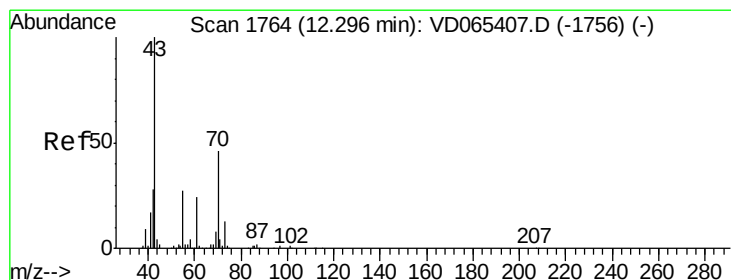
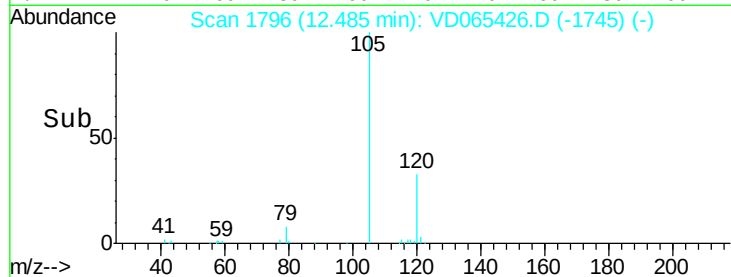
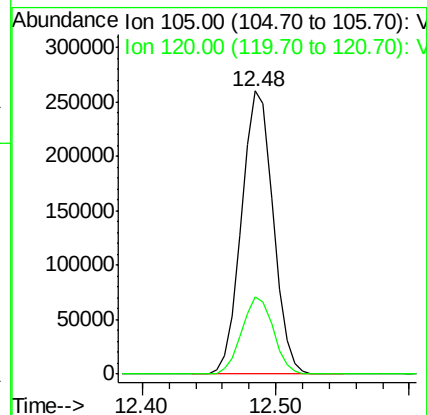
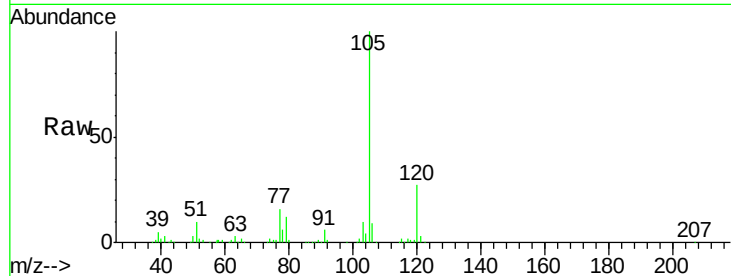
120 27.3 13.5 40.4

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#74

N-ethyl acetate

Concen: 20.148 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Tgt Ion: 43 Resp: 90839

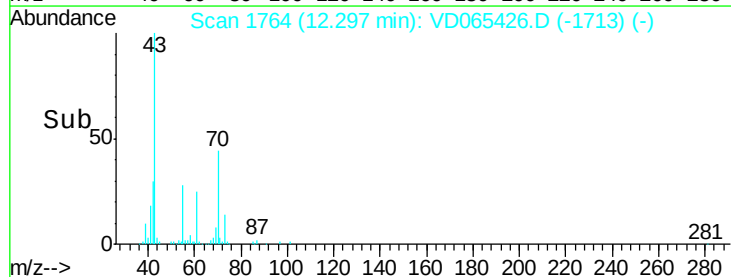
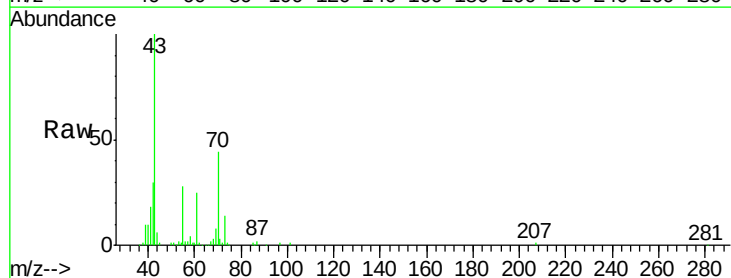
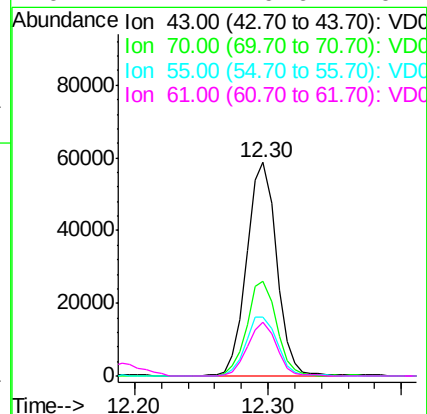
Ion Ratio Lower Upper

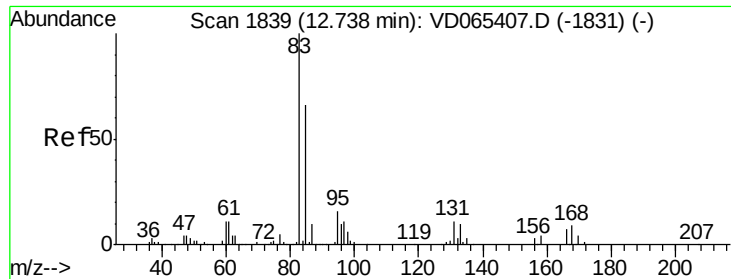
43 100

70 44.4 36.1 54.1

55 29.5 21.6 32.4

61 24.2 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.102 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

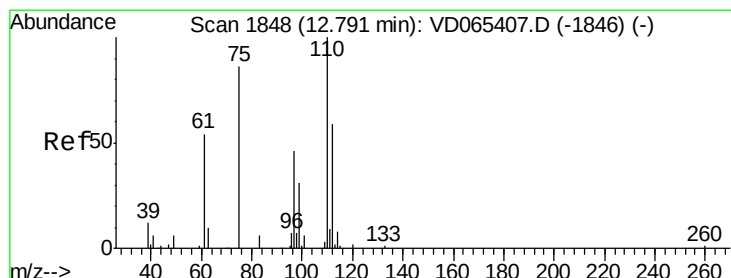
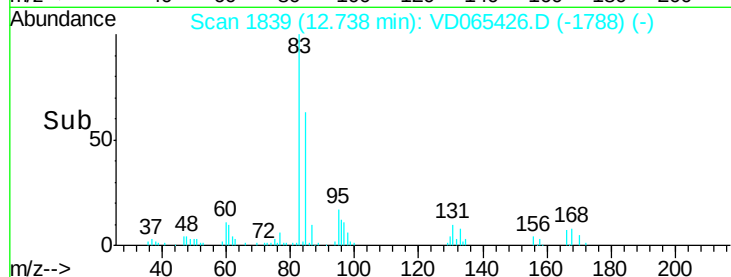
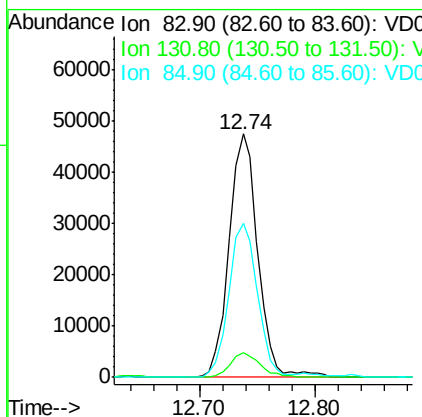
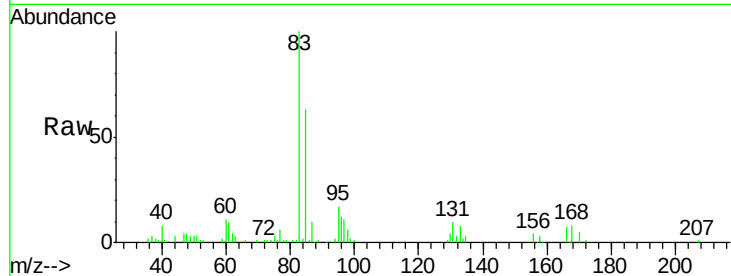
ClientSampleId :

VD0305SBS01

Tot Ion:	83	Resp:	81687
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.4	16.2
85	63.0	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 19.996 ug/l m

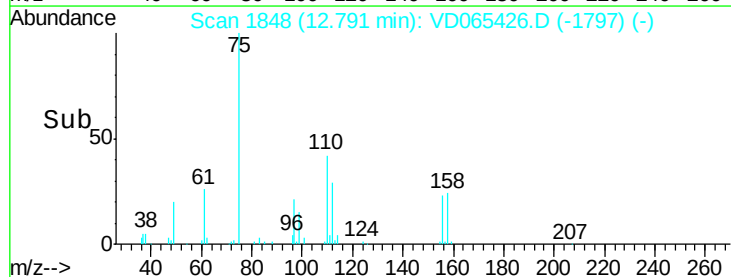
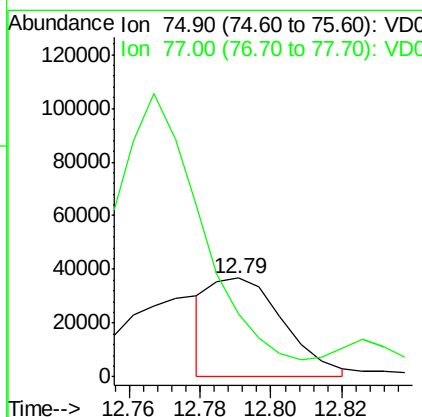
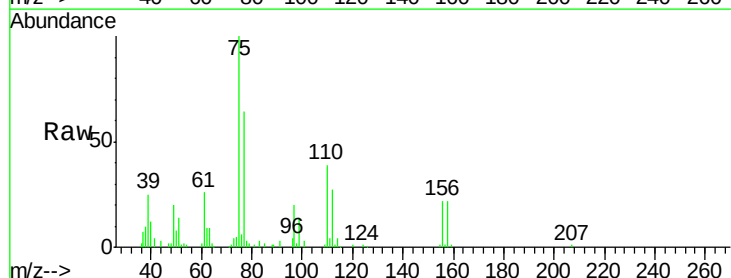
RT: 12.79 min Scan# 1848

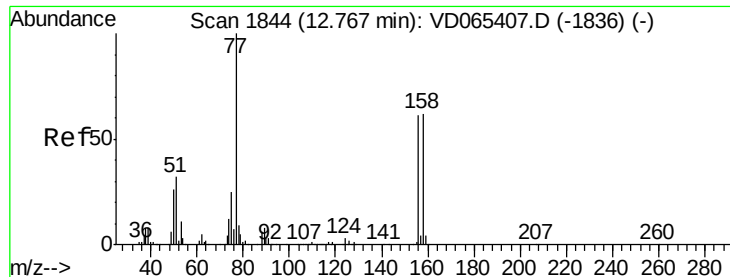
Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Tgt Ion:	75	Resp:	52830
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.305 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion:156 Resp: 111098

Ion Ratio Lower Upper

156 100

77 172.8 84.9 254.6

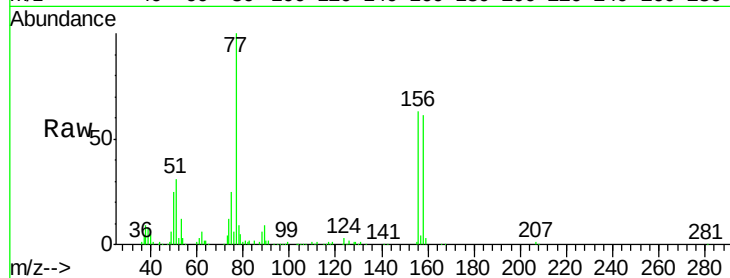
158 96.4 49.0 147.2

Manual Integrations

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MMDadoda

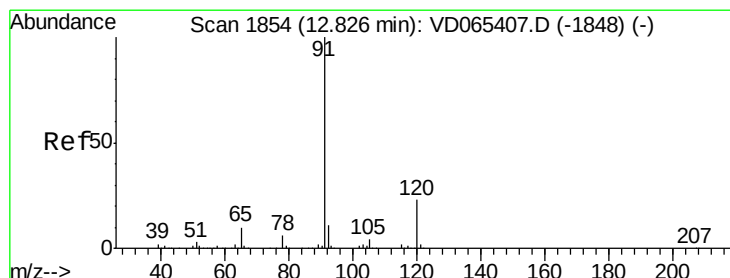
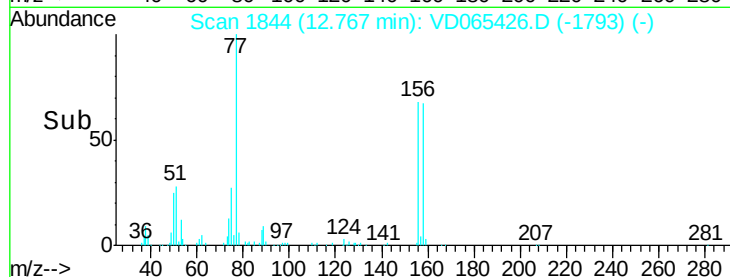
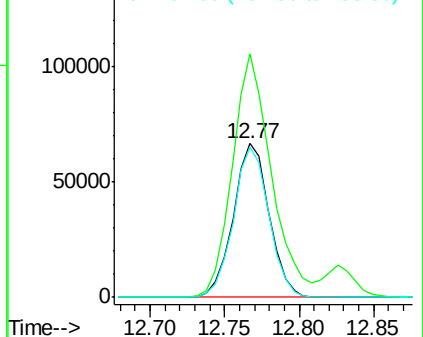
3/6/2020 11:17:27 AM



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: 20.033 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065426.D

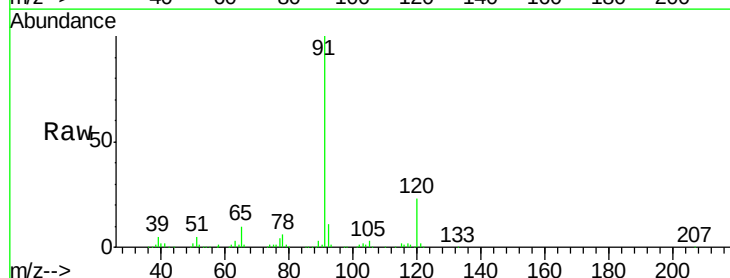
Acq: 05 Mar 2020 12:51

Tgt Ion: 91 Resp: 523466

Ion Ratio Lower Upper

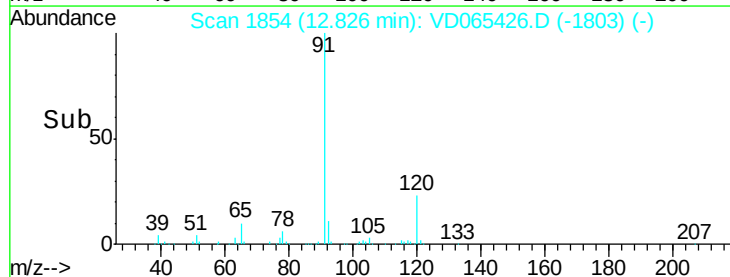
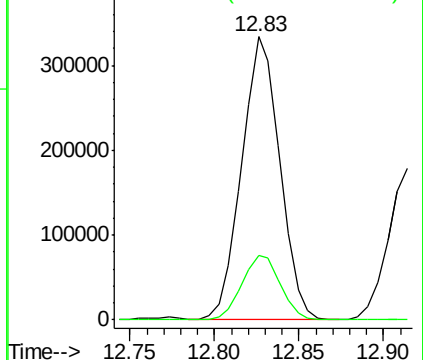
91 100

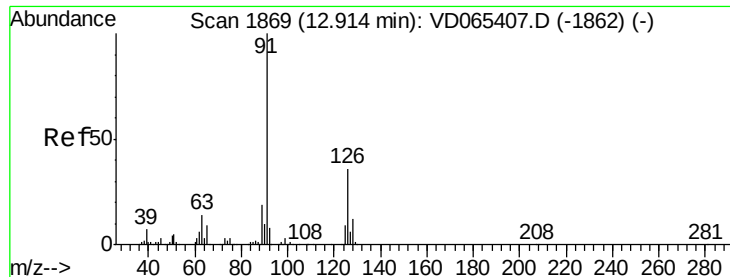
120 23.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.081 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 91 Resp: 295730

Ion Ratio Lower Upper

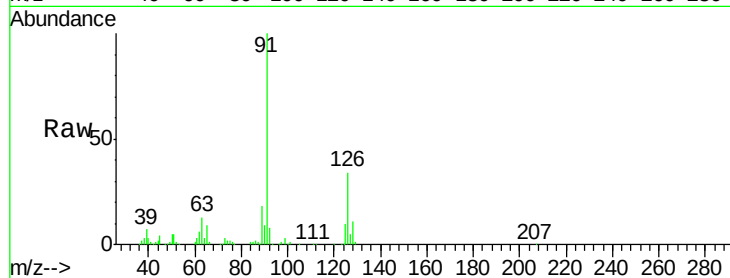
91 100

126 34.3 17.9 53.8

Manual Integrations
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3/6/2020 11:17:27 AM



Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065407.D (-1862) (-)

200000

150000

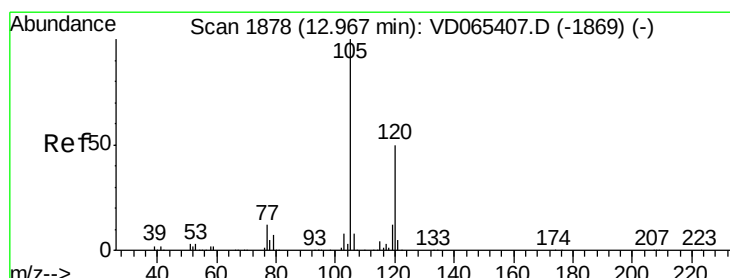
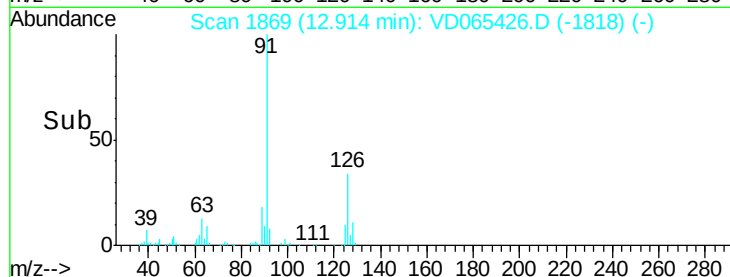
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.244 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065426.D

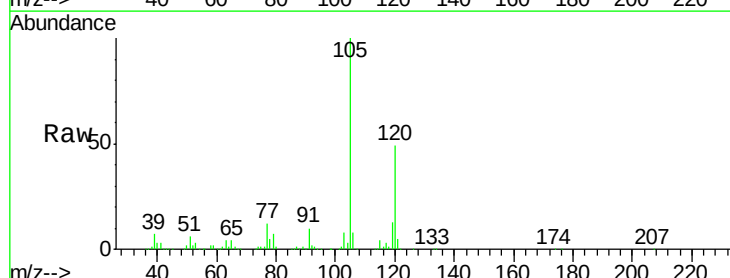
Acq: 05 Mar 2020 12:51

Tgt Ion: 105 Resp: 366523

Ion Ratio Lower Upper

105 100

120 50.2 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065407.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065407.D (-1869) (-)

250000

200000

150000

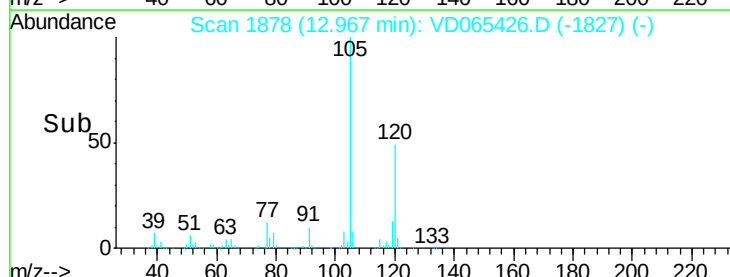
100000

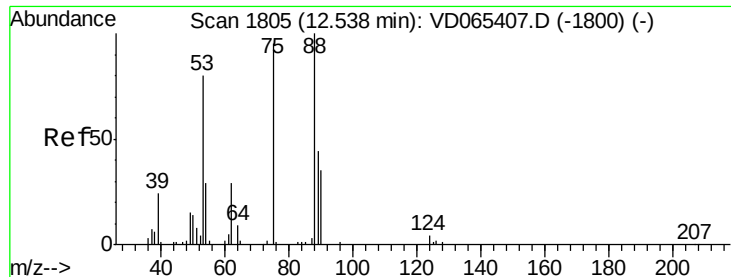
50000

0

12.90 12.95 13.00 13.05

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.538 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

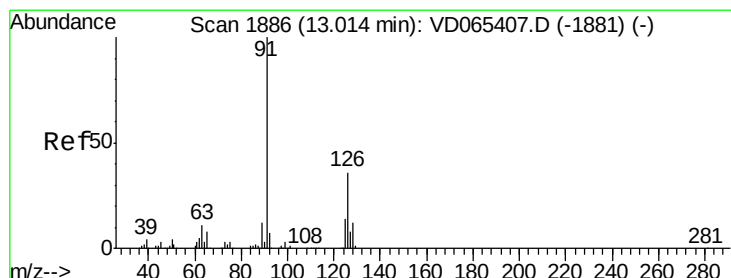
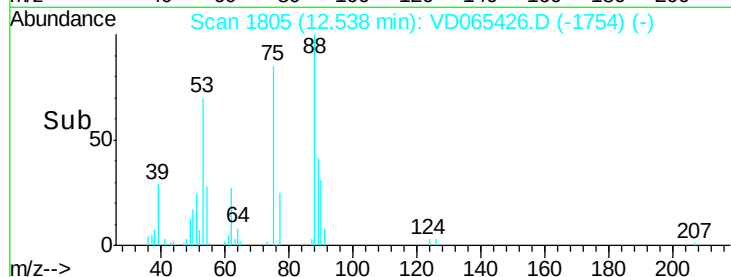
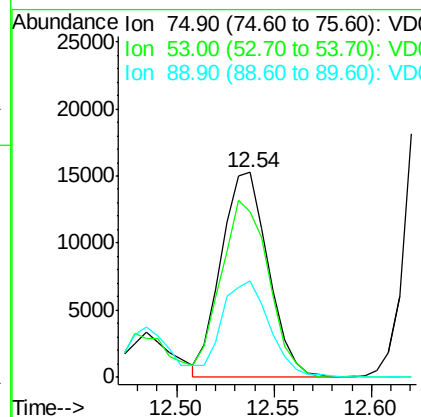
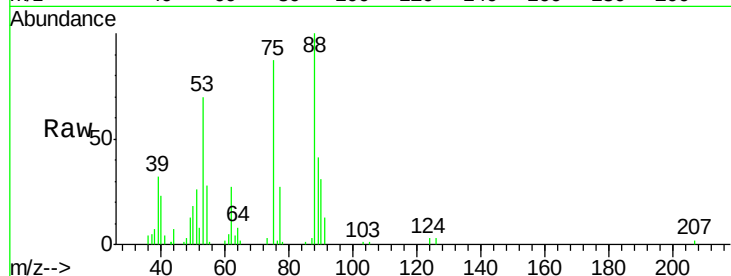
ClientSampleId :

VD0305SBS01

Tot Ion:	75	Resp:	25713
Ion	Ratio	Lower	Upper
75	100		
53	87.2	71.3	106.9
89	47.9	37.0	55.6

Manual Integrations
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MMDadoda
3/6/2020 11:17:27 AM



#82

4-Chlorotoluene

Concen: 20.065 ug/l

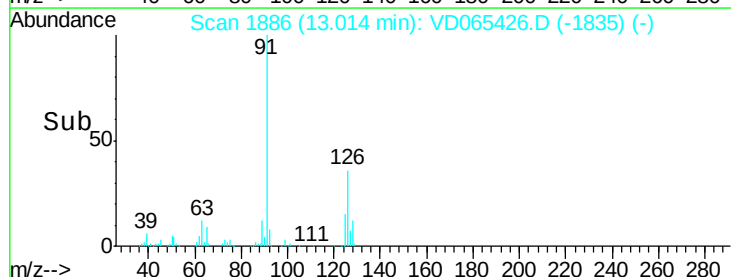
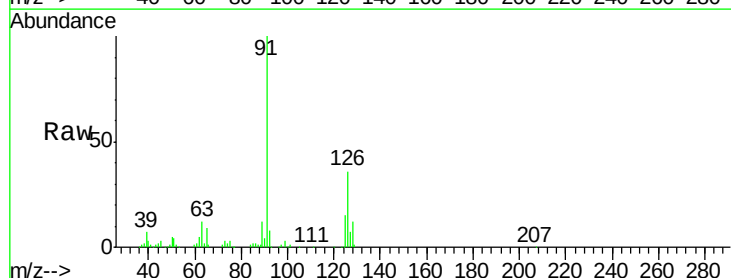
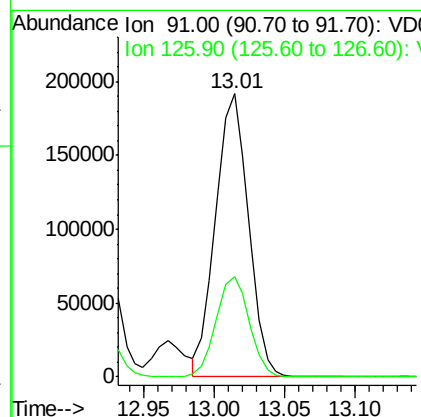
RT: 13.01 min Scan# 1886

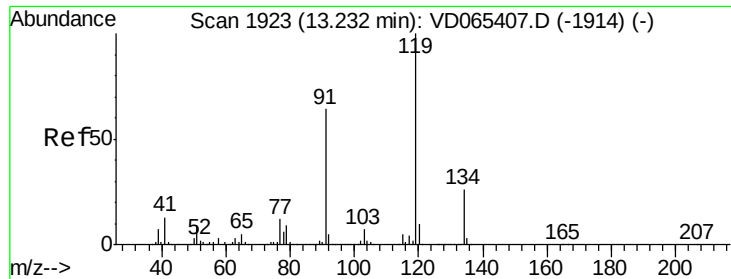
Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Tgt Ion:	91	Resp:	310511
Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.6	52.8





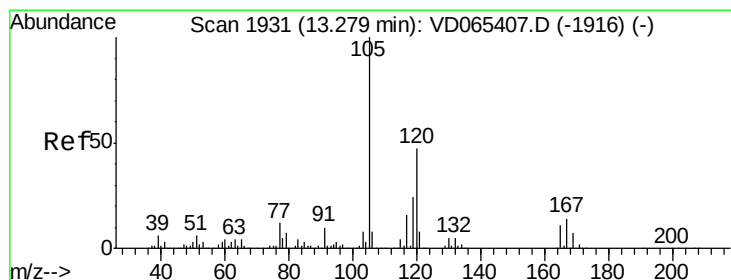
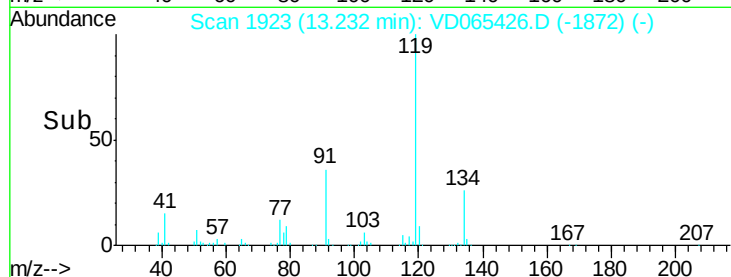
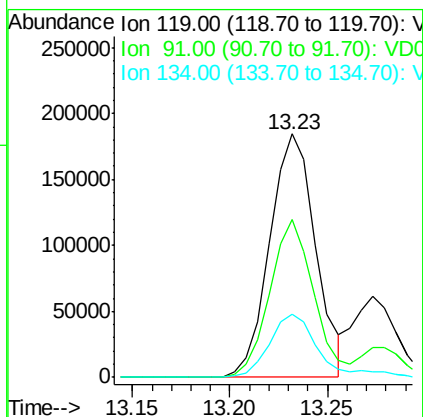
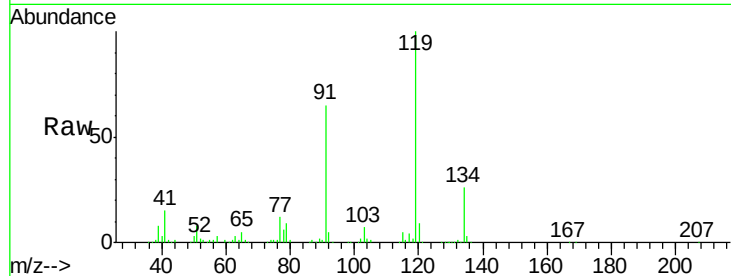
#83
 tert-Butylbenzene
 Concen: 19.598 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	300180		
91	62.4		31.6	95.0
134	28.0		14.2	42.8

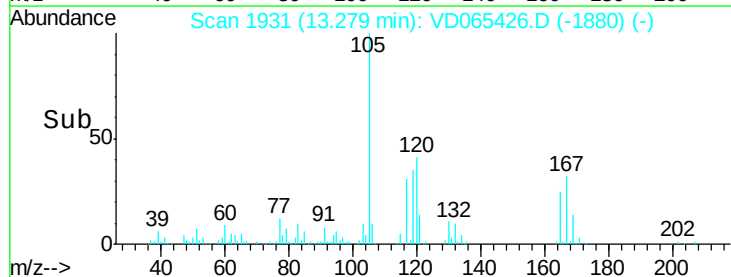
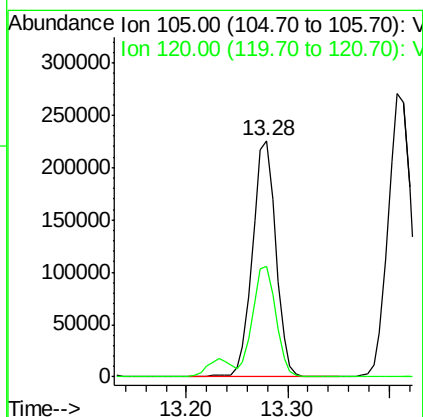
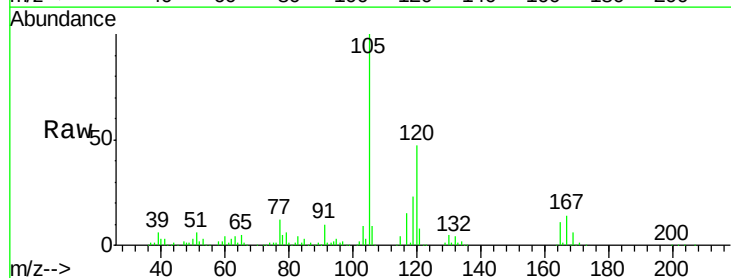
Manual Integrations
 APPROVED

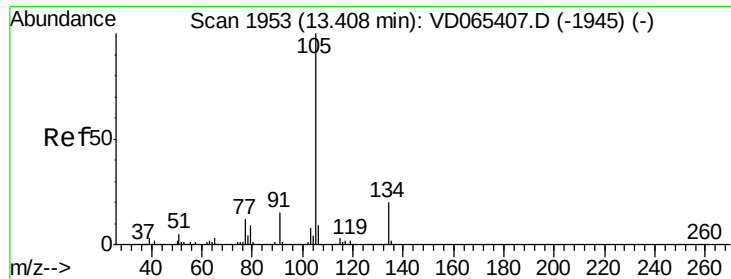
MMDadoda
 3/6/2020 11:17:27 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.300 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	362279		
120	46.8		23.4	70.3





#85

sec-Butylbenzene

Concen: 19.712 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion:105 Resp: 430985

Ion Ratio Lower Upper

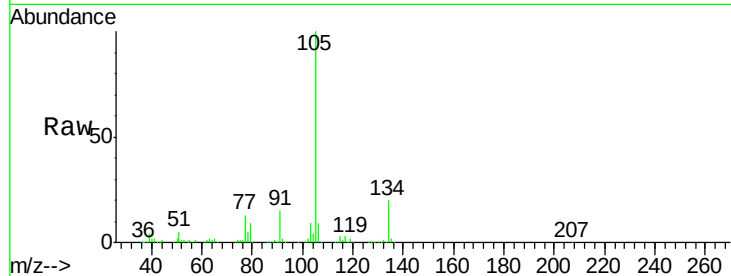
105 100

134 20.7 10.3 30.9

Manual Integrations
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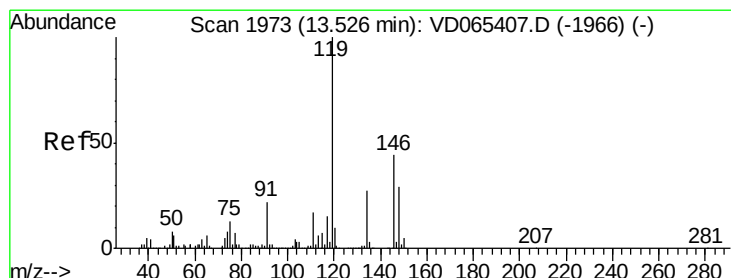
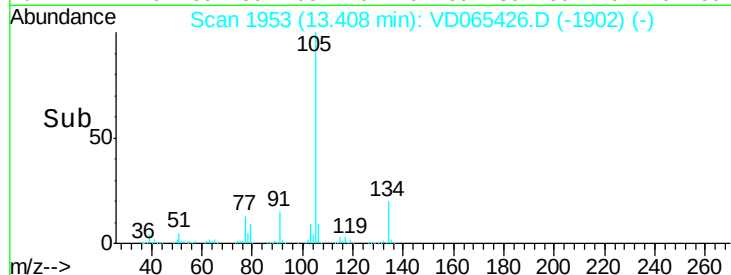
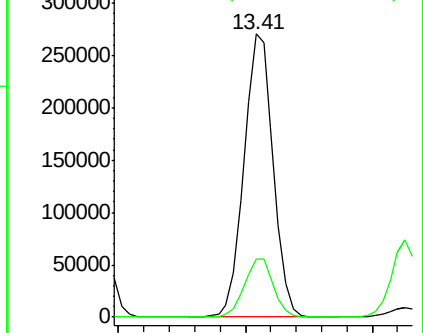
MMDadoda

3/6/2020 11:17:27 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.771 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065426.D

Acq: 05 Mar 2020 12:51

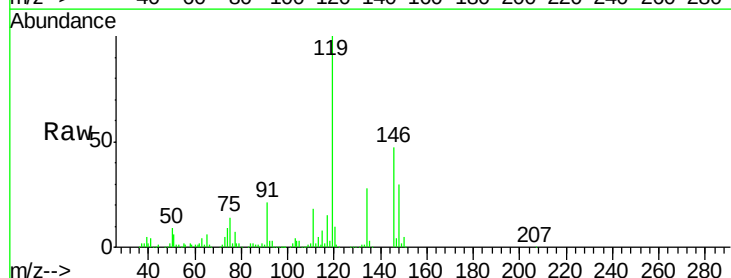
Tgt Ion:119 Resp: 394440

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

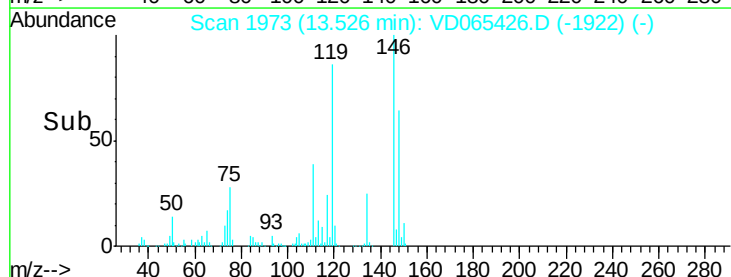
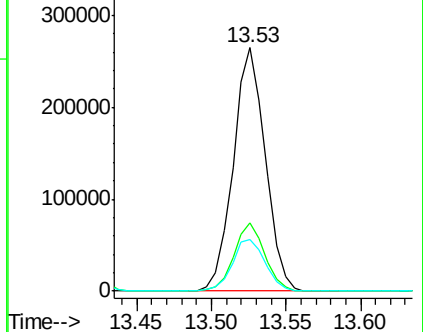
91 21.7 10.9 32.6

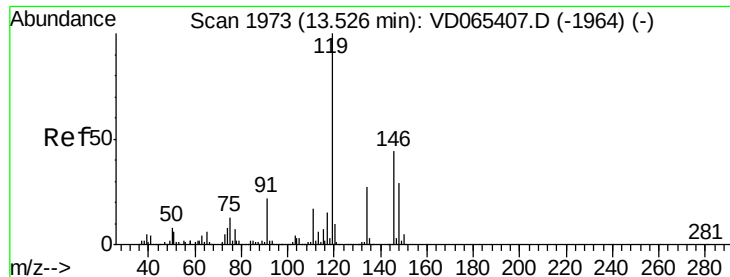


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





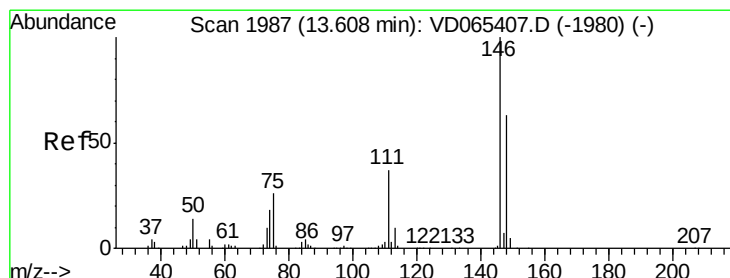
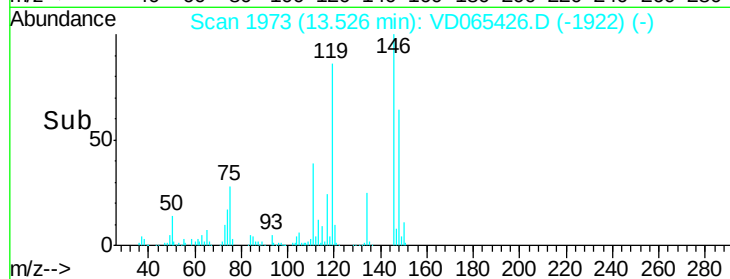
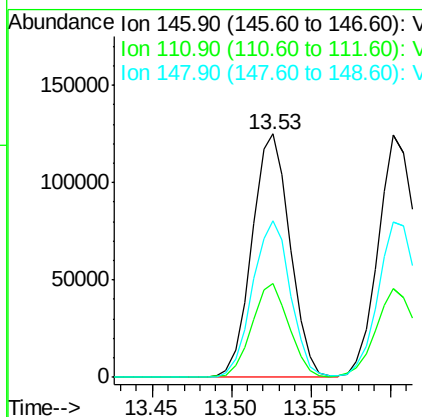
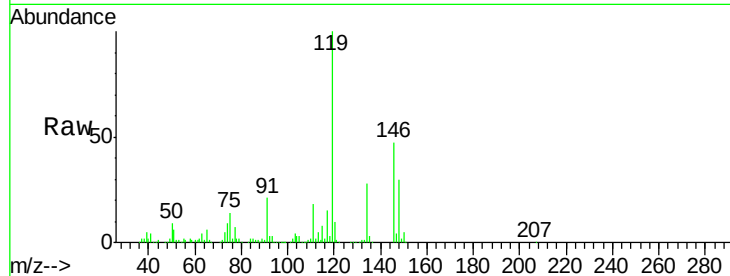
#87
 1,3-Dichlorobenzene
 Concen: 19.851 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	64.1	32.3	96.8

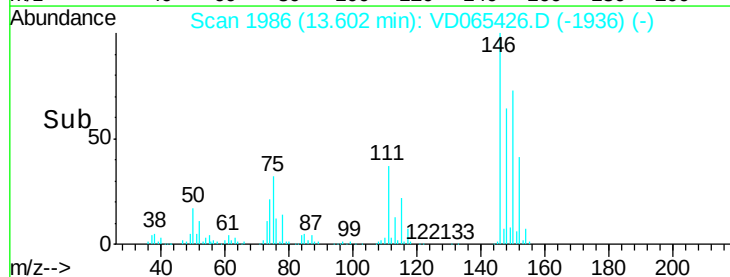
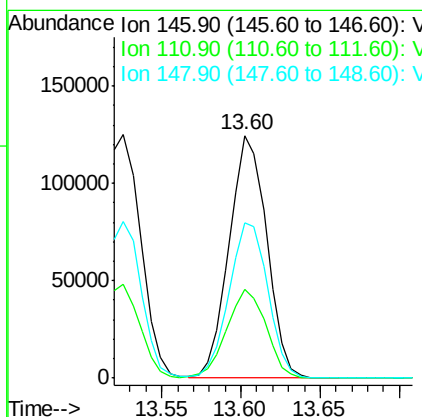
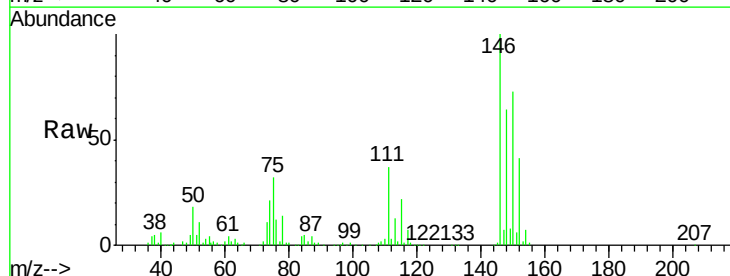
Manual Integrations
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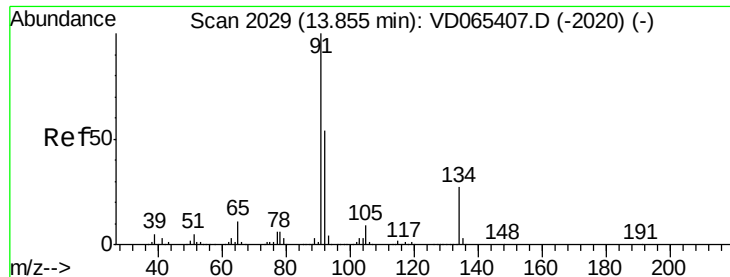
MMDadoda
 3/6/2020 11:17:27 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.620 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.5	55.5
148	65.8	32.0	96.0





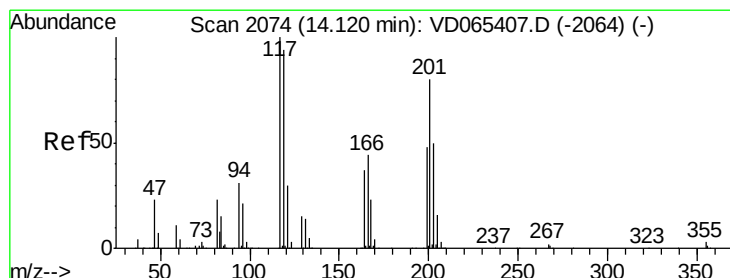
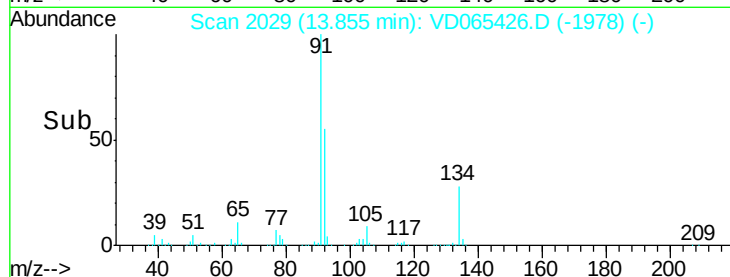
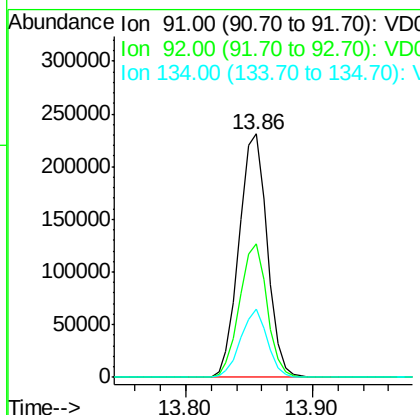
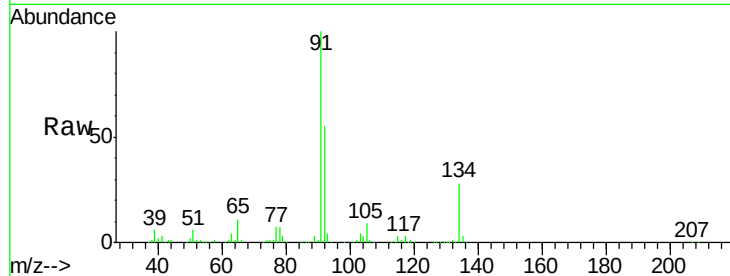
#89
n-Butylbenzene
Concen: 19.244 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.4
134	26.6	13.4	40.2

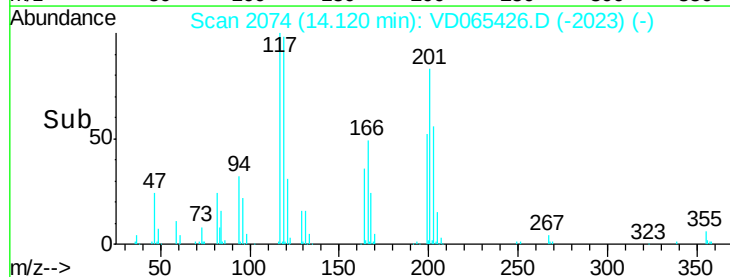
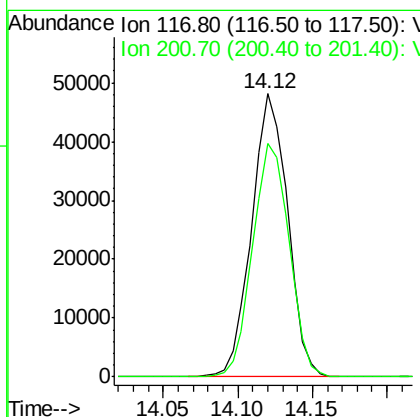
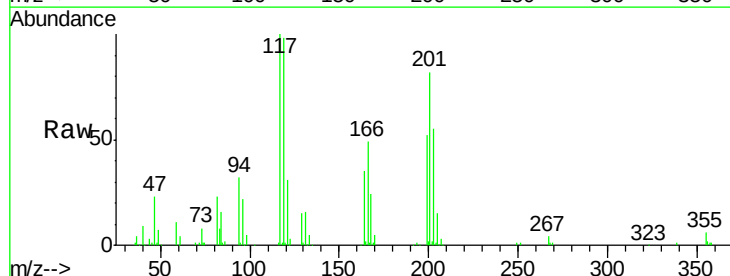
Manual Integrations
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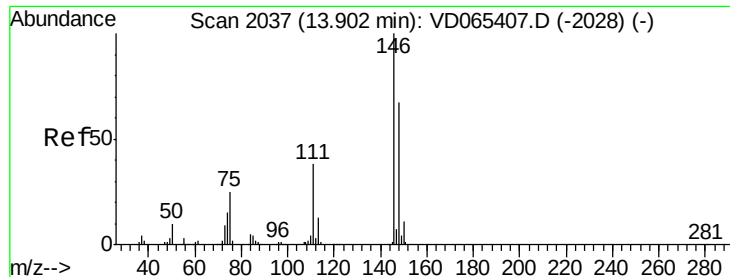
MMDadoda
3/6/2020 11:17:27 AM



#90
Hexachloroethane
Concen: 19.444 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	41.9	125.6





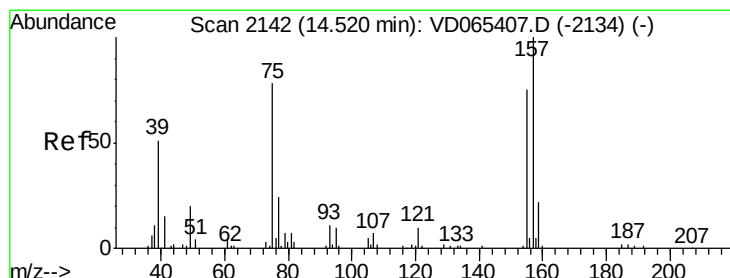
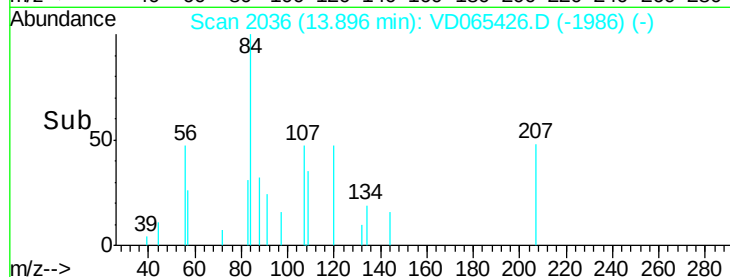
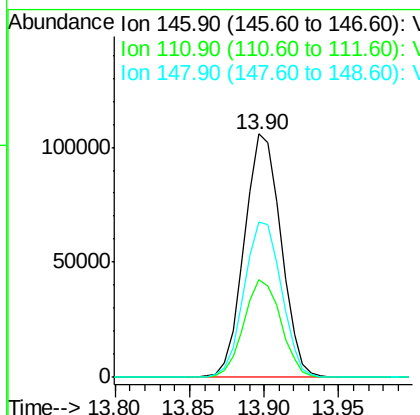
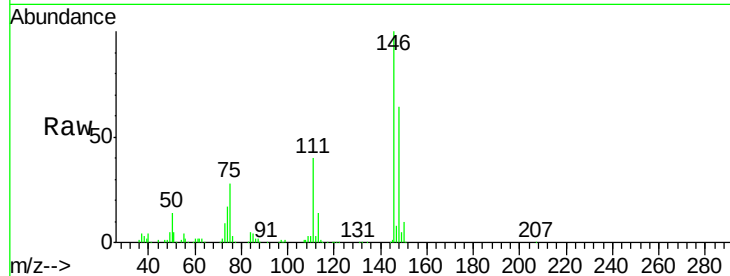
#91
1,2-Dichlorobenzene
Concen: 20.121 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. -0.01 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.8	59.3
148	64.9	32.6	97.8

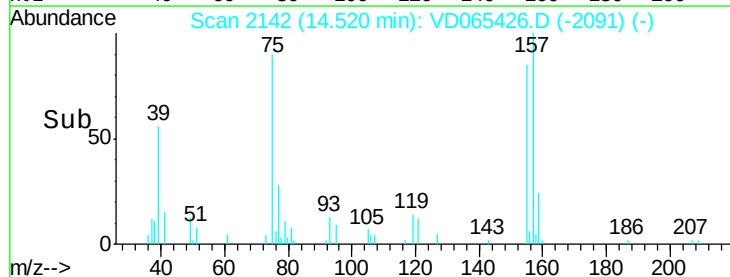
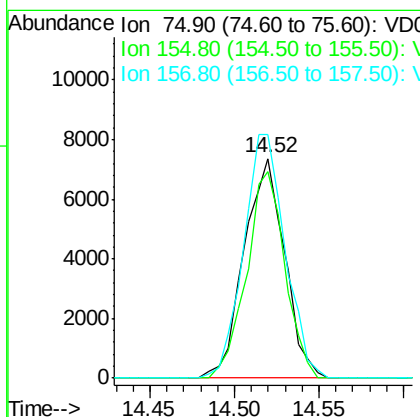
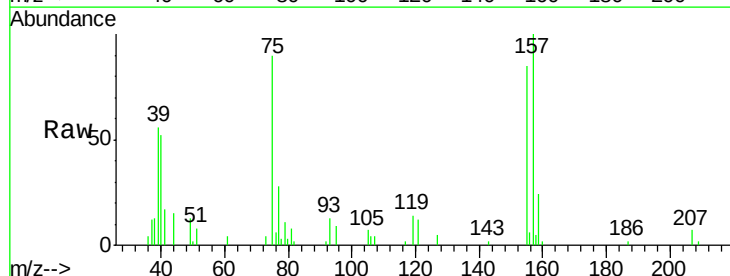
Manual Integrations
APPROVED

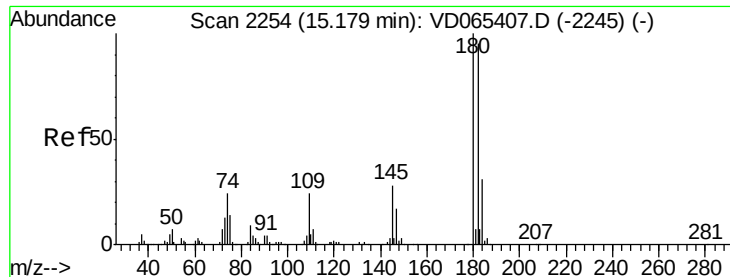
MMDadoda
3/6/2020 11:17:27 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.853 ug/l
RT: 14.52 min Scan# 2142
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	46.4	139.1
157	114.0	60.2	180.4





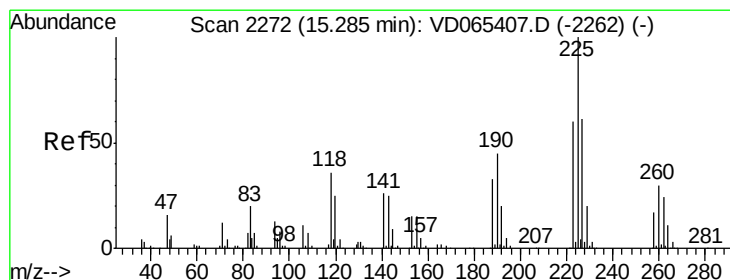
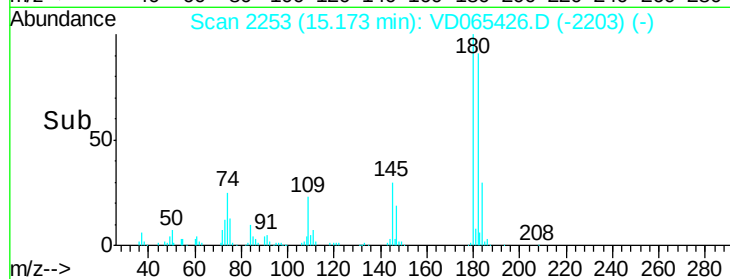
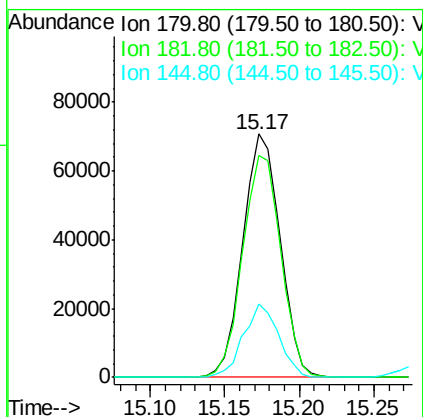
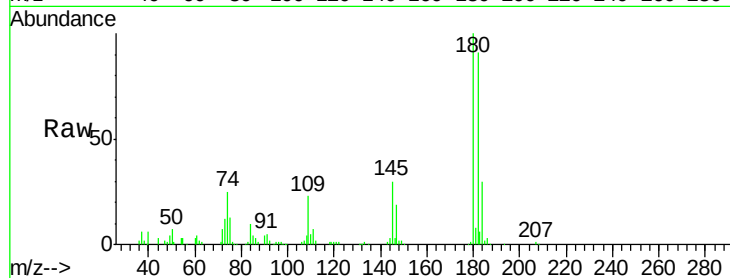
#93
 1,2,4-Trichlorobenzene
 Concen: 20.169 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion:	180	Resp:	122371
Ion Ratio	Lower	Upper	
180	100		
182	93.5	48.3	144.9
145	28.6	14.4	43.4

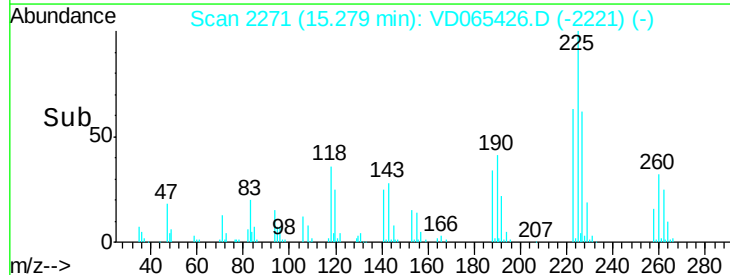
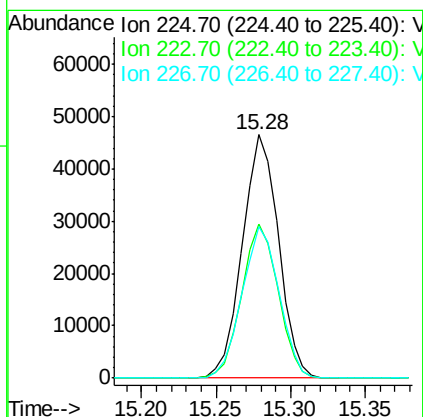
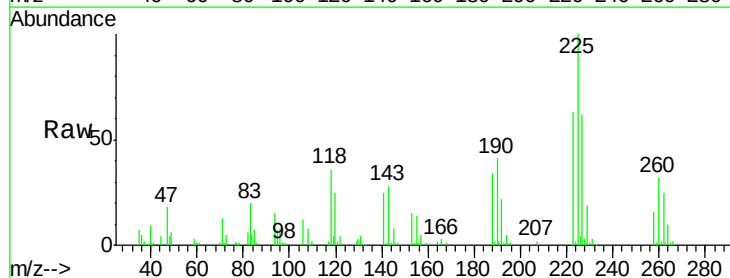
Manual Integrations
 APPROVED

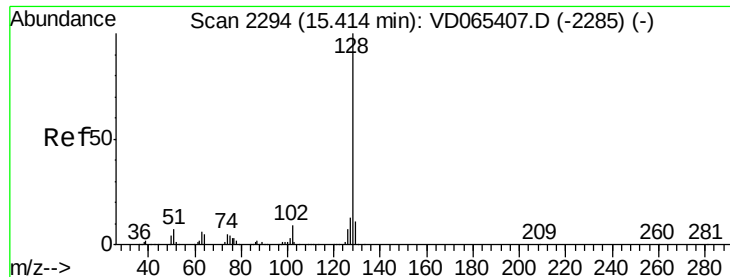
MMDadoda
 3/6/2020 11:17:27 AM



#94
 Hexachlorobutadiene
 Concen: 19.610 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065426.D
 Acq: 05 Mar 2020 12:51

Tgt Ion:	225	Resp:	78177
Ion Ratio	Lower	Upper	
225	100		
223	63.6	30.9	92.5
227	63.6	31.6	94.7





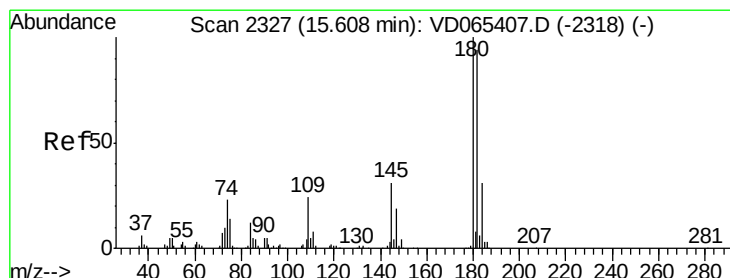
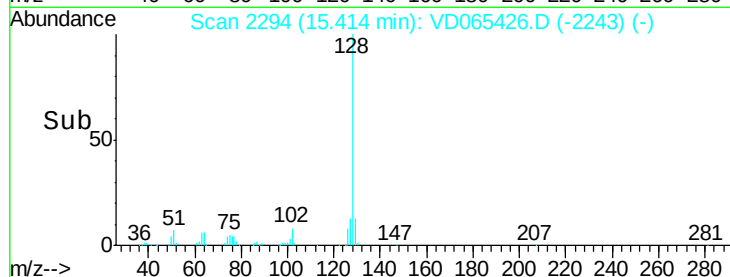
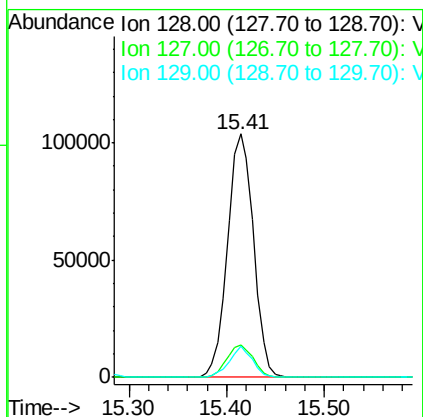
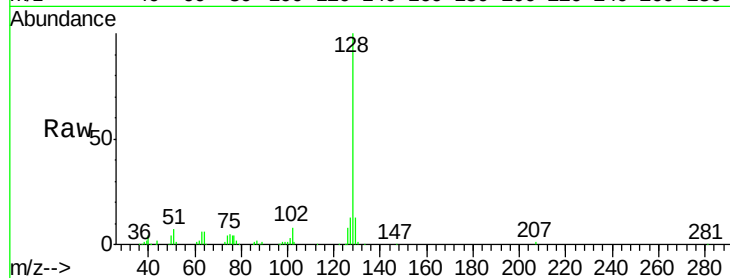
#95
Naphthalene
Concen: 20.483 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	190649		
127	13.6		10.6	16.0
129	11.4		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:17:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.509 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065426.D
Acq: 05 Mar 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	107527		
182	95.5		46.9	140.6
145	29.9		15.0	45.1

