

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031020\
 Data File : VD065461.D
 Acq On : 10 Mar 2020 13:31
 Operator : VA/SY
 Sample : VD0310SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:20:47 PM

Quant Time: Mar 11 03:25:50 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	7.98	168	432898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	641395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	597850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	301091	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	192730	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
35) Dibromofluoromethane	7.92	113	198733	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.34	98	763602	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.64	95	248291	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	80619	21.669	ug/l	97
3) Chloromethane	2.21	50	98162	21.854	ug/l	100
4) Vinyl Chloride	2.35	62	95943	21.656	ug/l	100
5) Bromomethane	2.77	94	61086	21.919	ug/l	96
6) Chloroethane	2.93	64	59304	21.856	ug/l	96
7) Trichlorofluoromethane	3.27	101	141880	21.733	ug/l	95
8) Diethyl Ether	3.71	74	44575	22.961	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88777	21.115	ug/l	98
10) Methyl Iodide	4.29	142	81274	18.607	ug/l	99
11) Tert butyl alcohol	5.24	59	15676m	73.597	ug/l	
12) 1,1-Dichloroethene	4.06	96	83094	20.639	ug/l	91
13) Acrolein	3.92	56	30687	83.538	ug/l	98
14) Allyl chloride	4.71	41	123494	19.968	ug/l	99
15) Acrylonitrile	5.43	53	92443	109.455	ug/l	99
16) Acetone	4.16	43	79056	105.268	ug/l	96
17) Carbon Disulfide	4.40	76	278427	20.767	ug/l	100
18) Methyl Acetate	4.73	43	44299	23.254	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	166100	21.454	ug/l	100
20) Methylene Chloride	4.96	84	104374	23.780	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	94758	21.158	ug/l	97
22) Diisopropyl ether	6.37	45	257580	22.404	ug/l	97
23) Vinyl Acetate	6.31	43	693027	108.563	ug/l	100
24) 1,1-Dichloroethane	6.26	63	160281	21.735	ug/l	97
25) 2-Butanone	7.22	43	108304	105.678	ug/l	97
26) 2,2-Dichloropropane	7.21	77	137757	21.377	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	96646	21.112	ug/l	98
28) Bromochloromethane	7.55	49	62096	21.047	ug/l	99
29) Tetrahydrofuran	7.57	42	72357	110.556	ug/l	98
30) Chloroform	7.71	83	166168	22.544	ug/l	99
31) Cyclohexane	7.99	56	146640	19.887	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	146977	21.578	ug/l	98
36) 1,1-Dichloropropene	8.11	75	128452	20.893	ug/l	99
37) Ethyl Acetate	7.30	43	53018	22.311	ug/l	97
38) Carbon Tetrachloride	8.10	117	134421	21.084	ug/l	96

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 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)
39) Methylcyclohexane	9.36	83	146882	19.780	ug/l	95
40) Benzene	8.35	78	381490	22.192	ug/l	99
41) Methacrylonitrile	7.54	41	29320m	23.330	ug/l	
42) 1,2-Dichloroethane	8.43	62	102755	22.892	ug/l	100
43) Isopropyl Acetate	8.46	43	92484	21.077	ug/l	97
44) Trichloroethene	9.11	130	104398	21.505	ug/l	100
45) 1,2-Dichloropropane	9.39	63	92452	22.203	ug/l	97
46) Dibromomethane	9.48	93	49229	22.792	ug/l	98
47) Bromodichloromethane	9.67	83	126444	22.503	ug/l	97
48) Methyl methacrylate	9.46	41	42741	20.708	ug/l #	92
49) 1,4-Dioxane	9.47	88	11772	476.485	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	243385	110.227	ug/l	99
52) Toluene	10.41	92	239711	22.136	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	114855	21.873	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	140555	22.114	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	69988	22.878	ug/l	97
56) Ethyl methacrylate	10.67	69	73560	21.330	ug/l	98
57) 1,3-Dichloropropane	10.95	76	118713	22.935	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	120284	112.802	ug/l	99
59) 2-Hexanone	10.99	43	165151	108.048	ug/l	99
60) Dibromochloromethane	11.14	129	90137	22.986	ug/l	99
61) 1,2-Dibromoethane	11.25	107	65972	22.609	ug/l	100
64) Tetrachloroethene	10.88	164	91182	21.285	ug/l	97
65) Chlorobenzene	11.67	112	257762	21.787	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	95901	22.257	ug/l	98
67) Ethyl Benzene	11.75	91	432293	21.147	ug/l	100
68) m/p-Xylenes	11.86	106	337296	42.792	ug/l	96
69) o-Xylene	12.18	106	147431	21.263	ug/l	99
70) Styrene	12.20	104	265907	21.791	ug/l	99
71) Bromoform	12.37	173	54190	22.390	ug/l #	100
73) Isopropylbenzene	12.48	105	400192	20.207	ug/l	99
74) N-amyl acetate	12.30	43	82422	20.329	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	77318	22.211	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	50459m	21.238	ug/l	
77) Bromobenzene	12.77	156	105955	21.534	ug/l	98
78) n-propylbenzene	12.83	91	489170	20.818	ug/l	100
79) 2-Chlorotoluene	12.91	91	275956	20.838	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	343492	21.097	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	23794	21.134	ug/l	95
82) 4-Chlorotoluene	13.01	91	297841	21.403	ug/l	100
83) tert-Butylbenzene	13.23	119	270410	19.632	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	341512	21.280	ug/l	100
85) sec-Butylbenzene	13.41	105	397949	20.240	ug/l	99
86) p-Isopropyltoluene	13.53	119	370584	20.656	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	202907	21.450	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	202192	21.487	ug/l	99
89) n-Butylbenzene	13.86	91	329355	19.857	ug/l	99
90) Hexachloroethane	14.12	117	77291	20.919	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	175103	21.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10983	20.716	ug/l	92

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ClientSampleId :
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Manual Integrations
APPROVED

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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)
93) 1,2,4-Trichlorobenzene	15.18	180	117387	21.515	ug/l	97
94) Hexachlorobutadiene	15.28	225	74020	20.647	ug/l	100
95) Naphthalene	15.41	128	175020	20.819	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	99837	21.175	ug/l	97

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

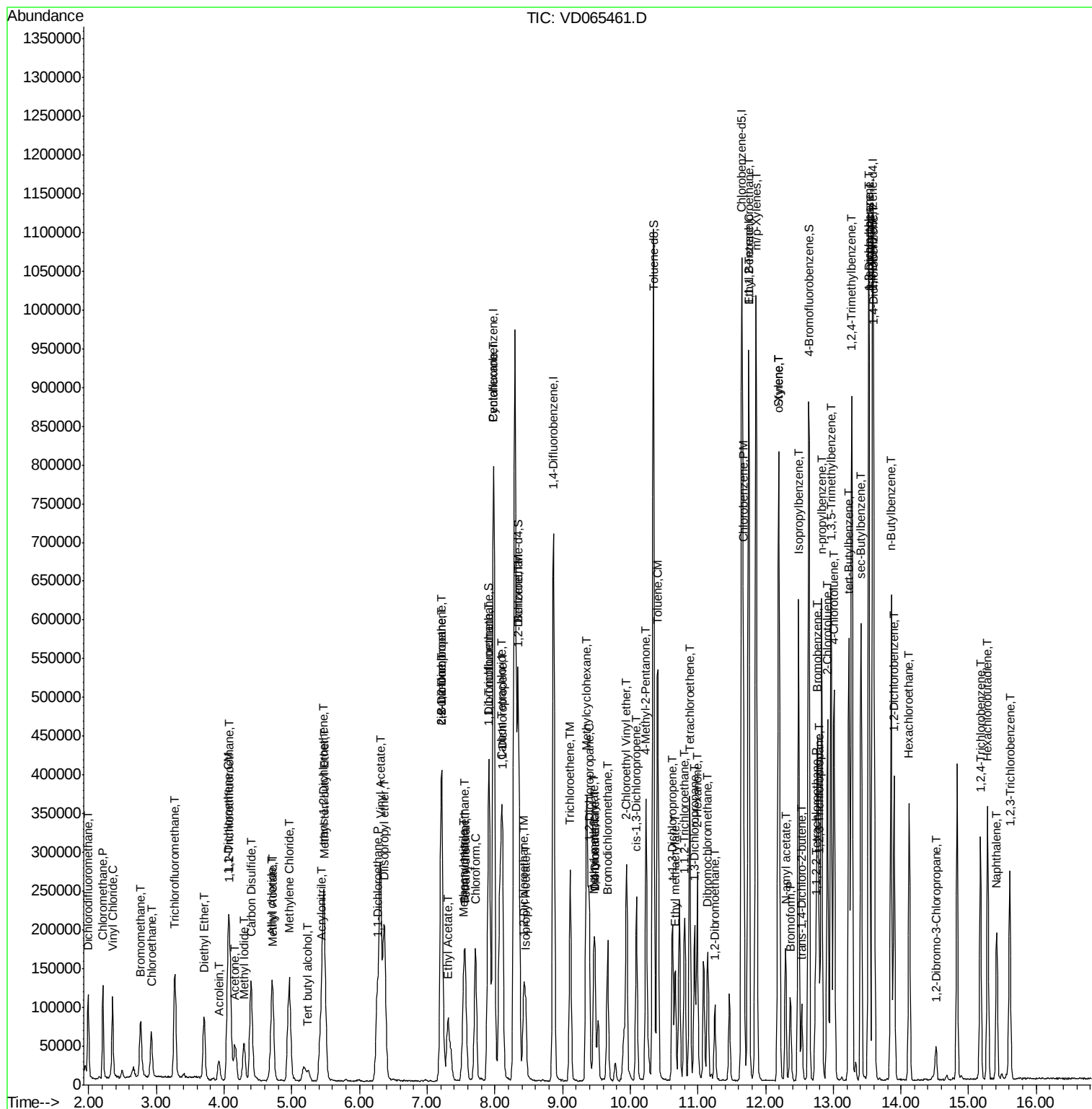
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 Data File : VD065461.D
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 Operator : VA/SY
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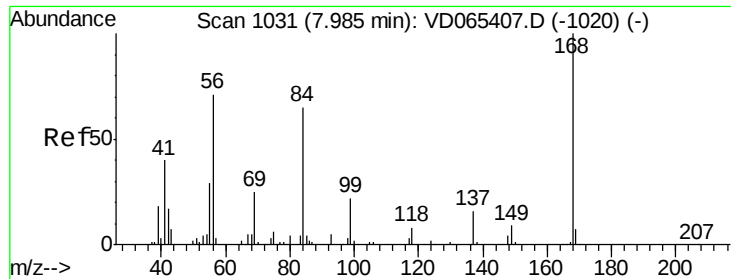
Instrument :
 MSVOA_D
 ClientSampleId :
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Manual Integrations
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion:168 Resp: 432898

Ion Ratio Lower Upper

168 100

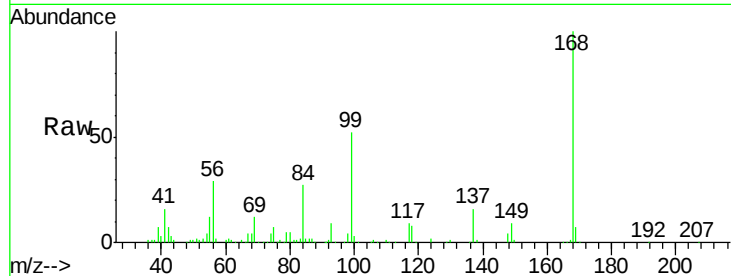
99 51.8 41.5 62.3

Manual Integrations

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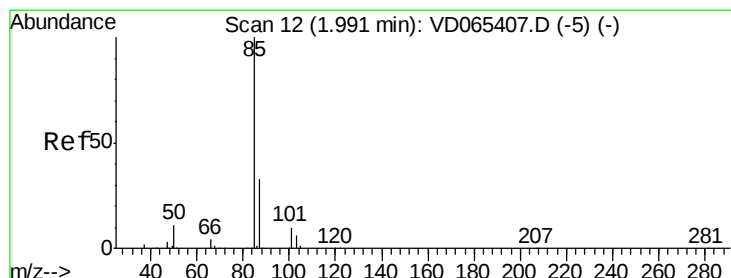
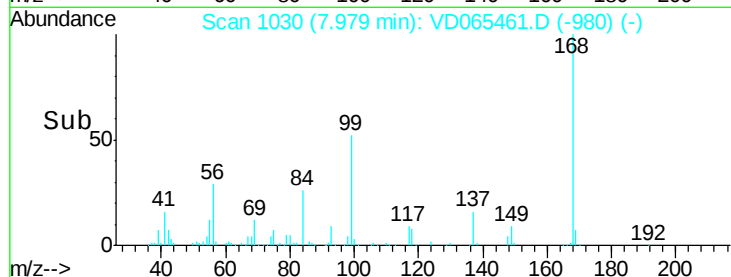
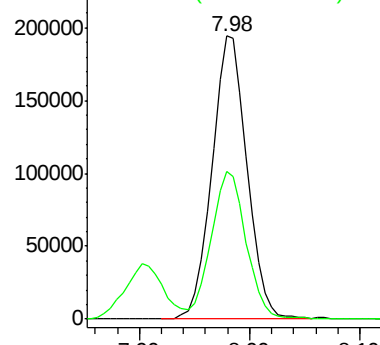
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.669 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065461.D

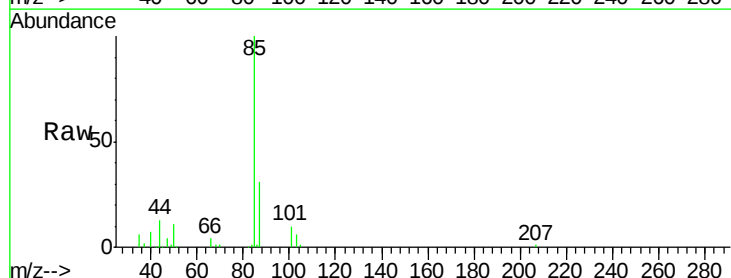
Acq: 10 Mar 2020 13:31

Tgt Ion: 85 Resp: 80619

Ion Ratio Lower Upper

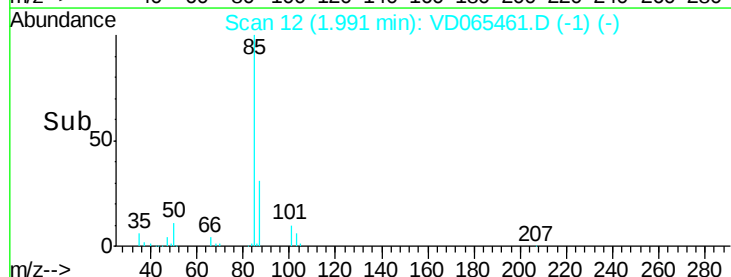
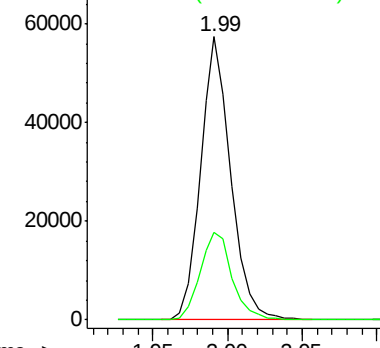
85 100

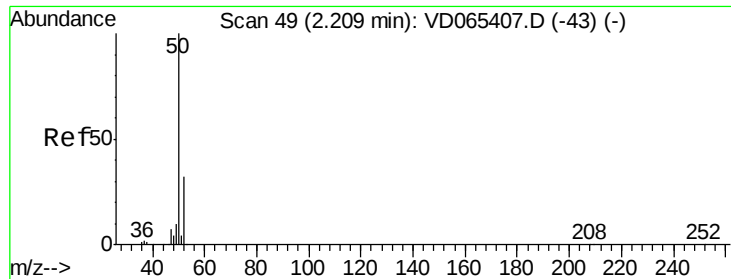
87 30.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.854 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion: 50 Resp: 98162

Ion Ratio Lower Upper

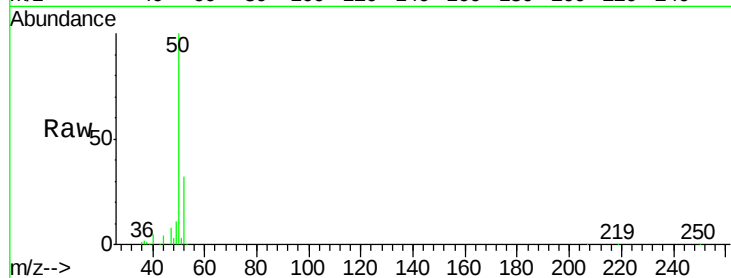
50 100

52 32.3 25.8 38.8

Manual Integrations
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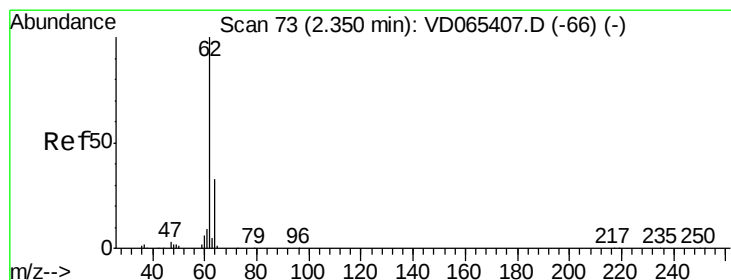
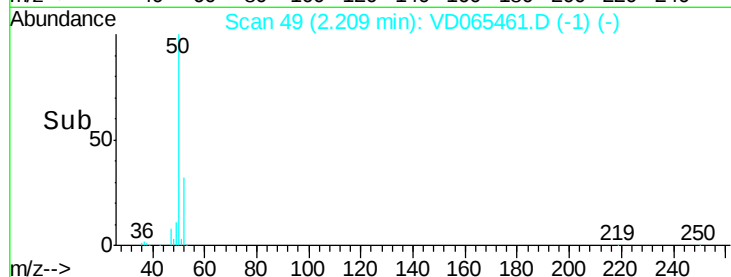
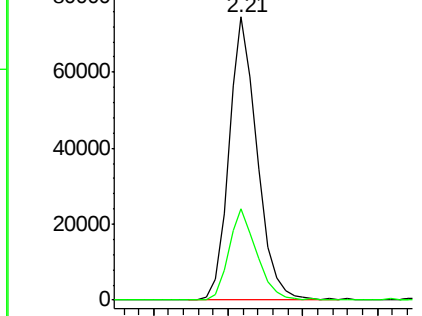
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.656 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065461.D

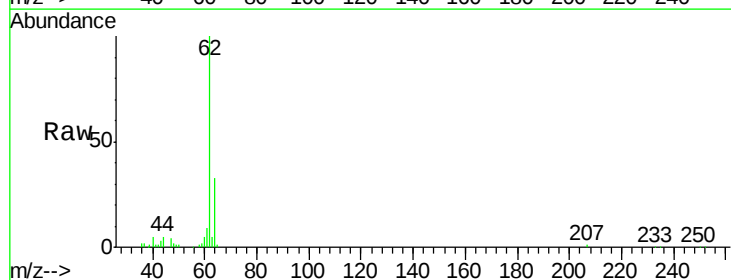
Acq: 10 Mar 2020 13:31

Tgt Ion: 62 Resp: 95943

Ion Ratio Lower Upper

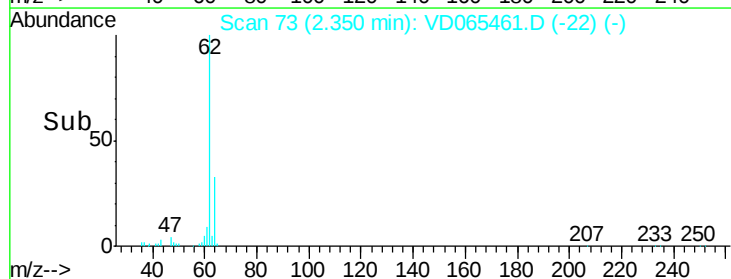
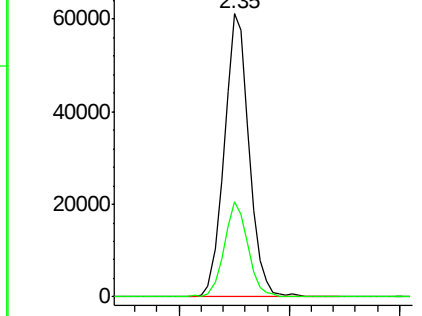
62 100

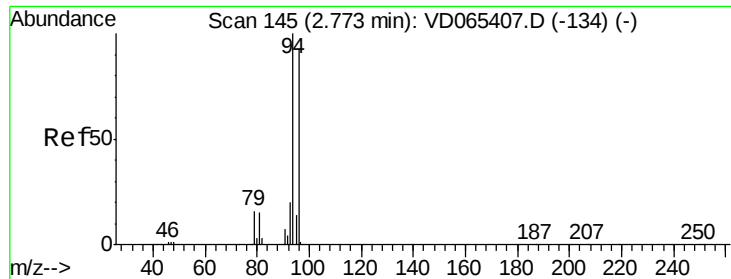
64 33.4 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.919 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion: 94 Resp: 61086

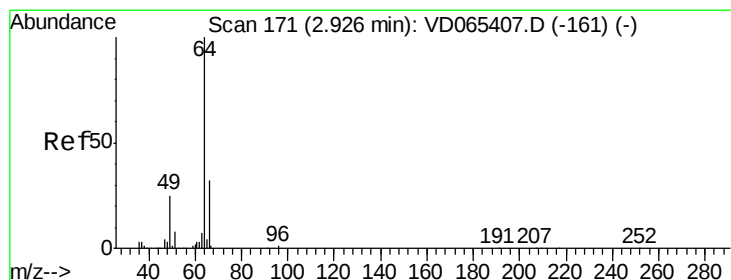
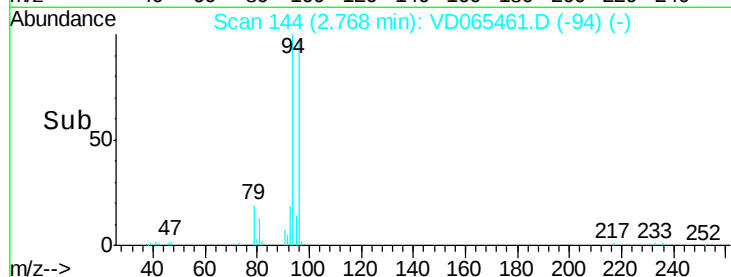
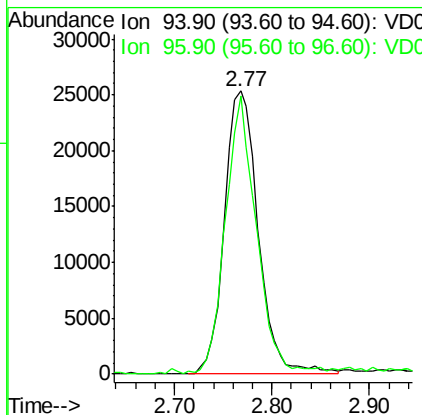
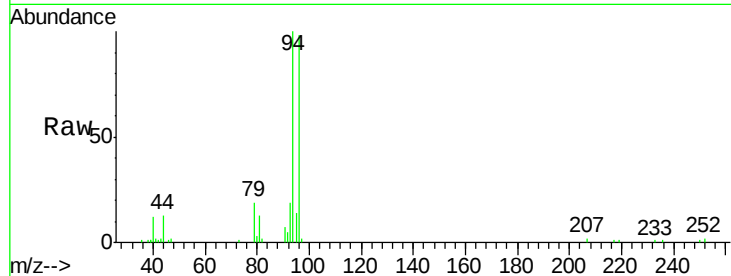
Ion Ratio Lower Upper

94 100

96 97.1 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 21.856 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065461.D

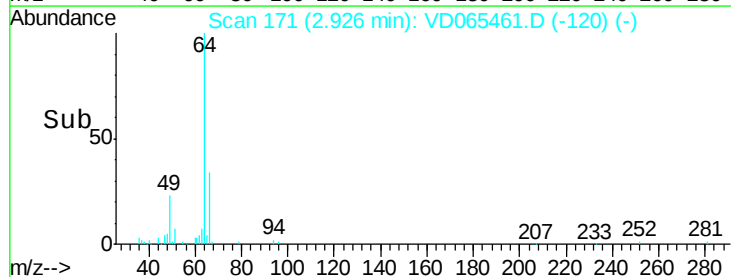
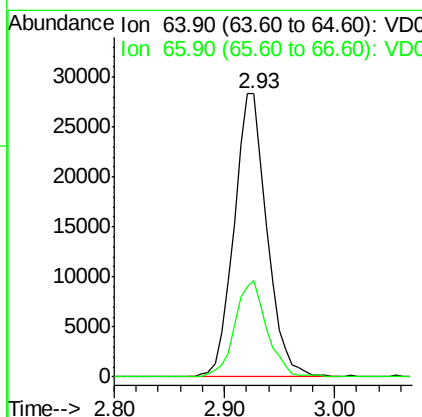
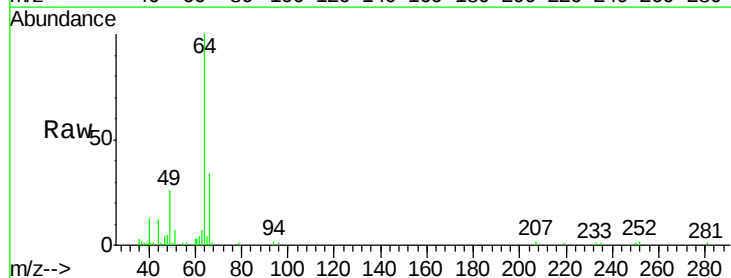
Acq: 10 Mar 2020 13:31

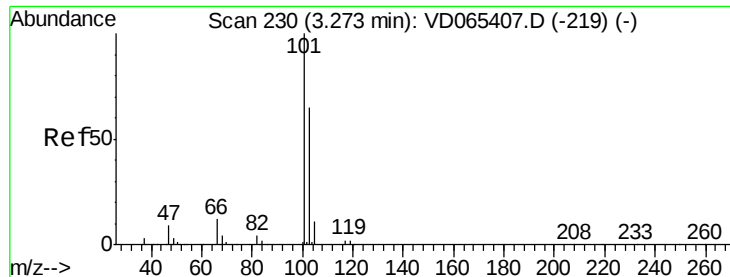
Tgt Ion: 64 Resp: 59304

Ion Ratio Lower Upper

64 100

66 34.3 25.6 38.4





#7

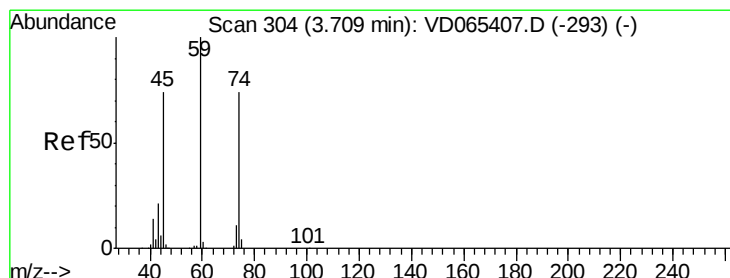
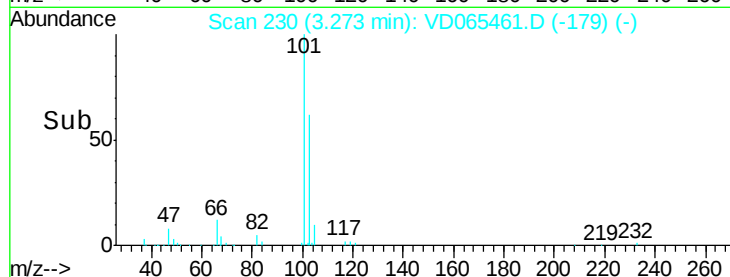
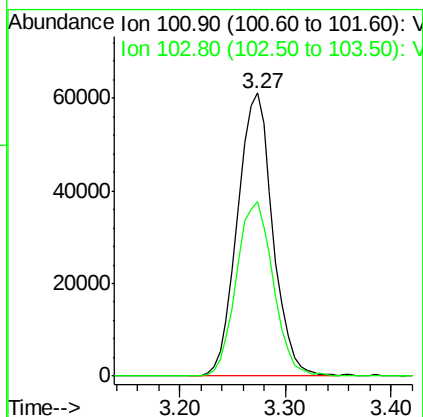
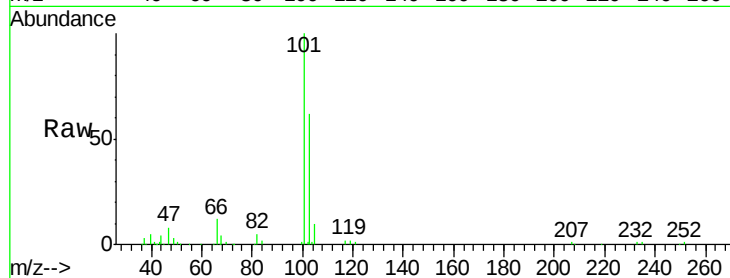
Trichlorofluoromethane
 Concen: 21.733 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Instrument :
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 ClientSampleId :
 VD0310SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	52.1	78.1

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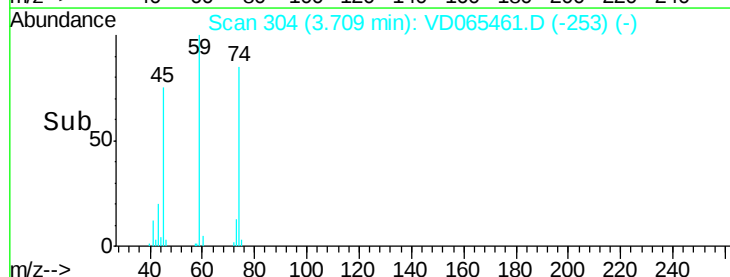
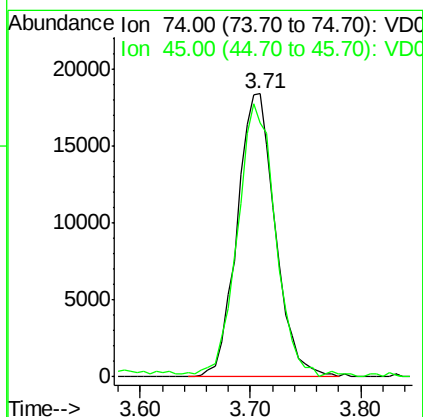
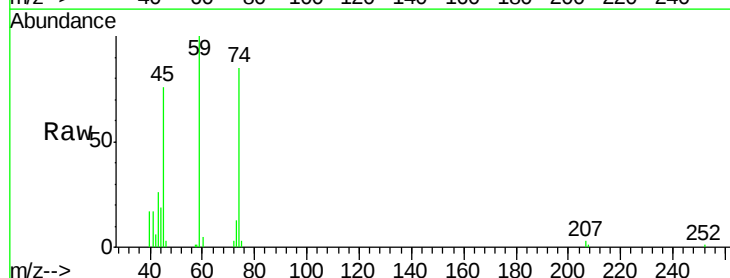
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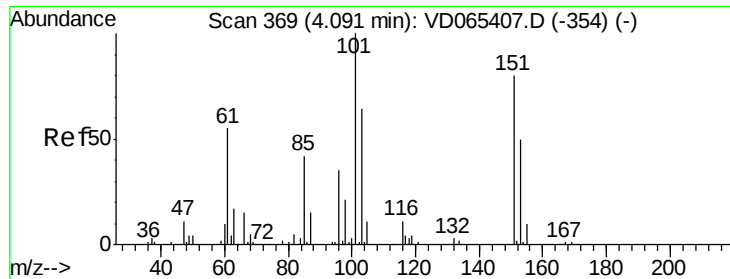


#8

Diethyl Ether
 Concen: 22.961 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.115 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

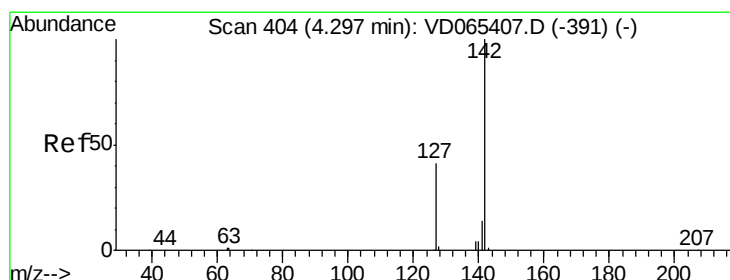
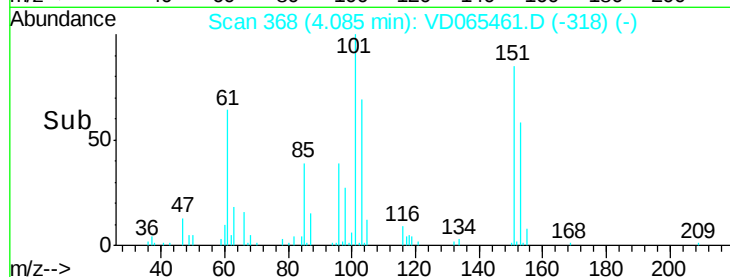
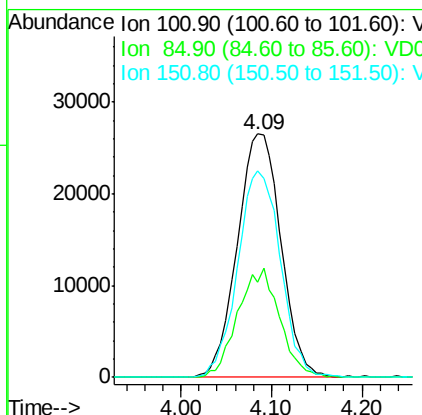
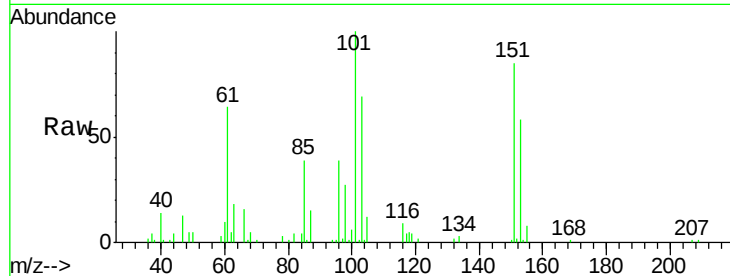
ClientSampleId :

VD0310SBS01

Tot Ion:	101	Resp:	88777
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.2
151	83.6	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 18.607 ug/l

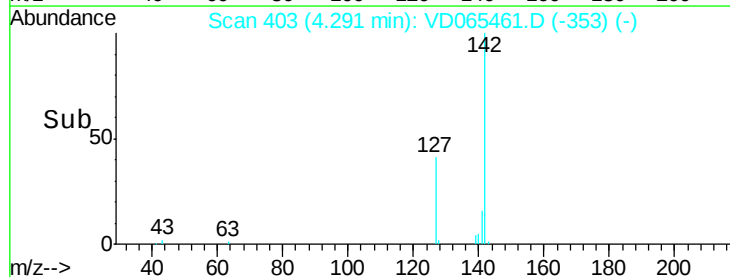
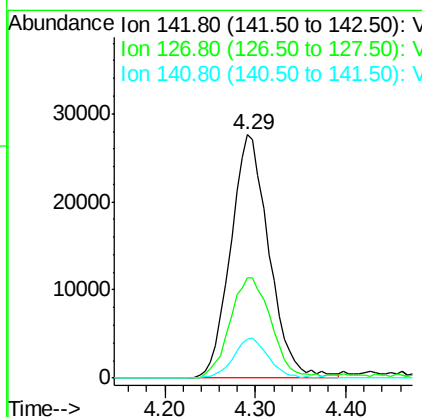
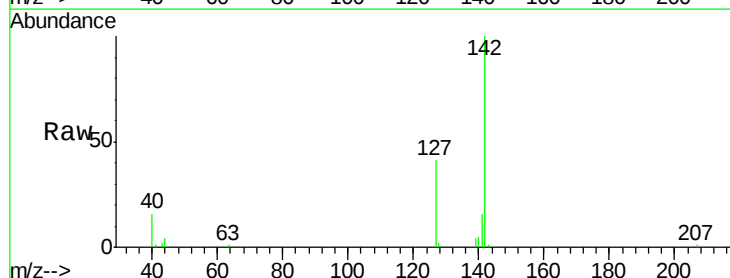
RT: 4.29 min Scan# 403

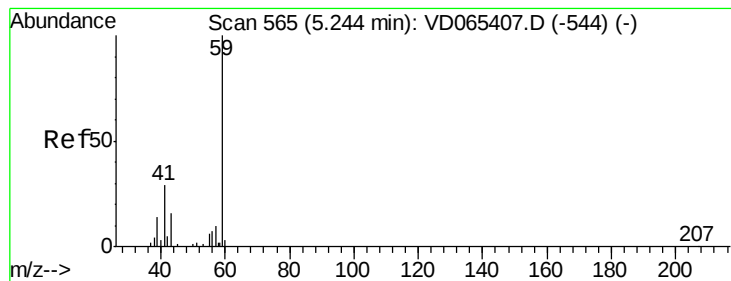
Delta R.T. -0.01 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Tgt Ion:	142	Resp:	81274
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.0	52.6
141	15.0	12.4	18.6





#11

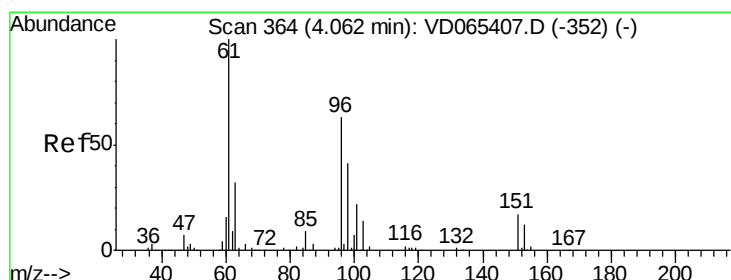
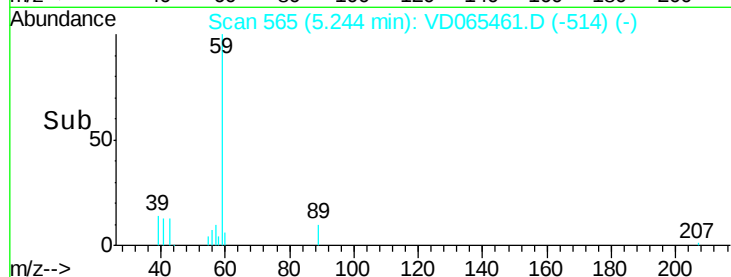
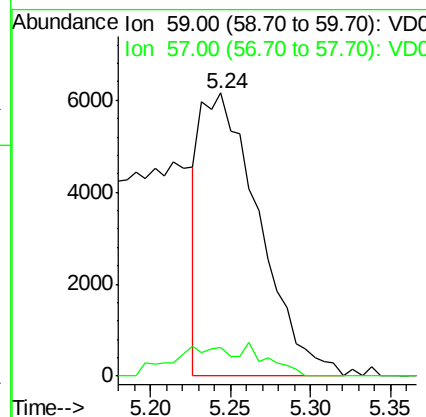
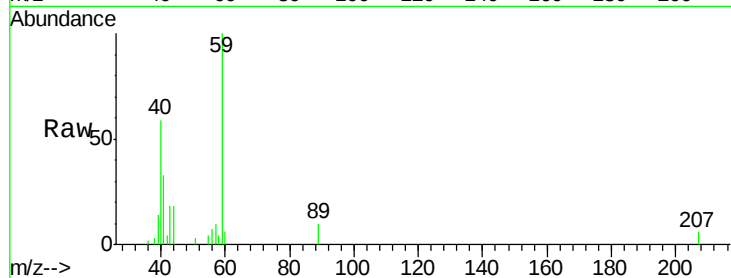
Tert butyl alcohol
Concen: 73.597 ug/l m
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion: 59 Resp: 15676
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#

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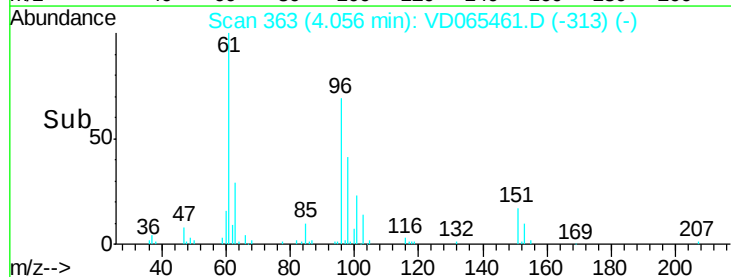
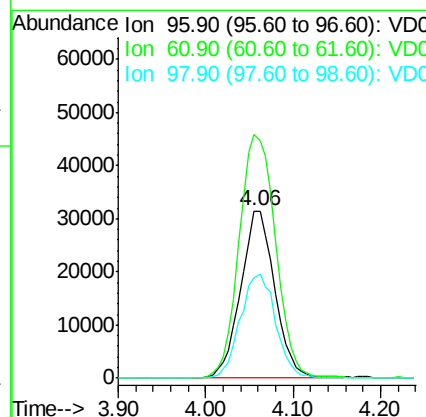
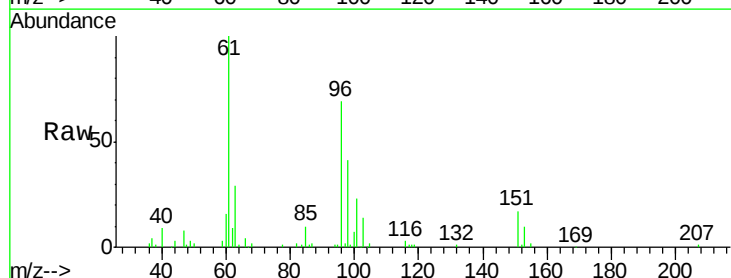
MMDadoda
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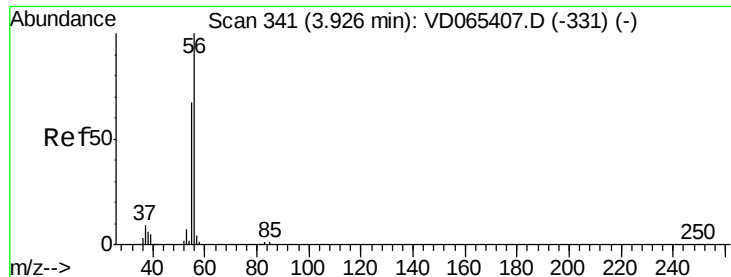


#12

1,1-Dichloroethene
Concen: 20.639 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion: 96 Resp: 83094
Ion Ratio Lower Upper
96 100
61 145.9 128.0 192.0
98 59.9 51.9 77.9





#13

Acrolein

Concen: 83.538 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion: 56 Resp: 30687

Ion Ratio Lower Upper

56 100

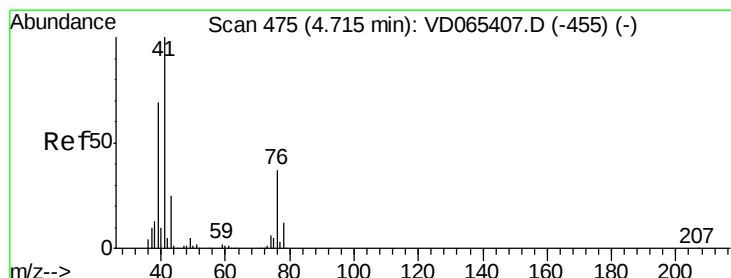
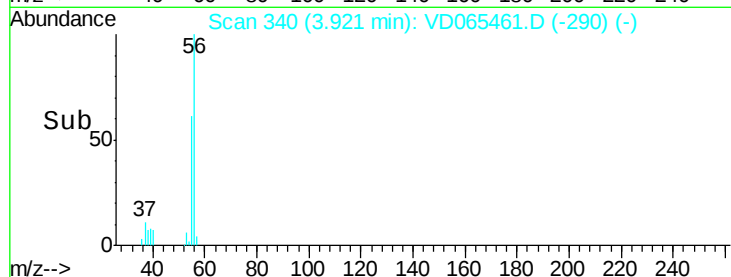
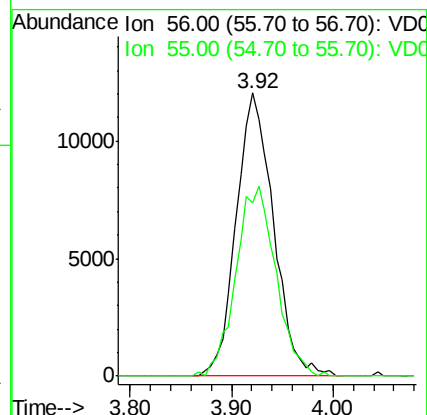
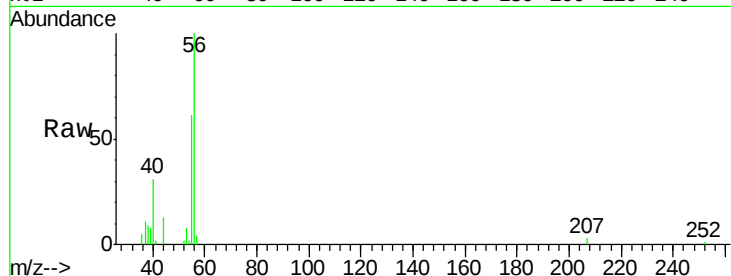
55 72.3 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.968 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

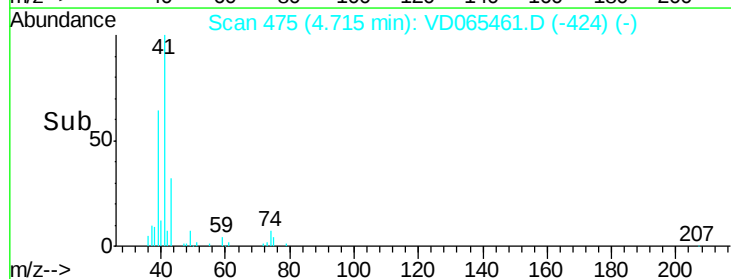
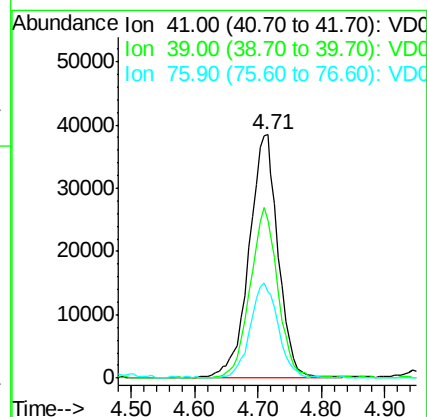
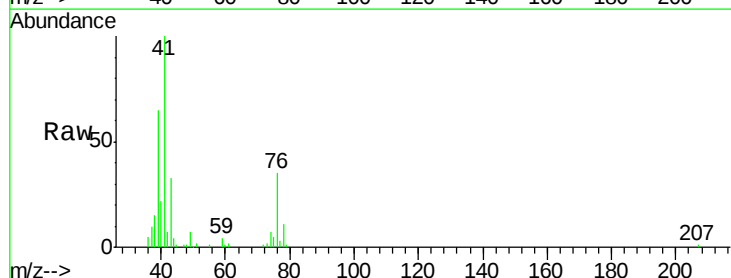
Tgt Ion: 41 Resp: 123494

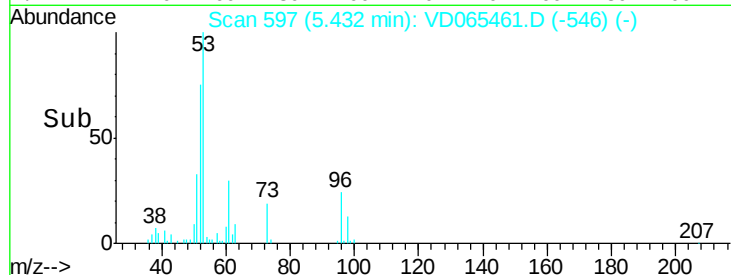
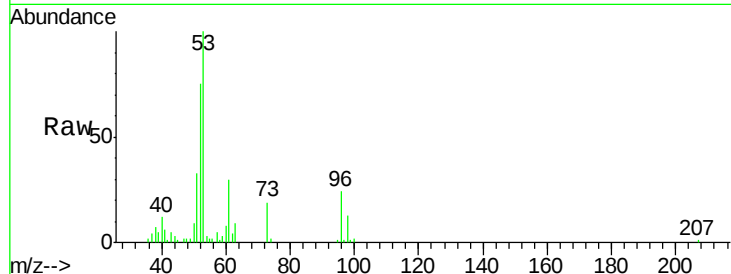
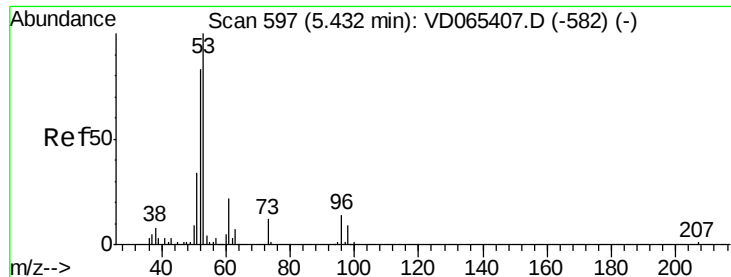
Ion Ratio Lower Upper

41 100

39 66.4 52.6 79.0

76 37.5 29.2 43.8





#15

Acrylonitrile

Concen: 109.455 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065461.D

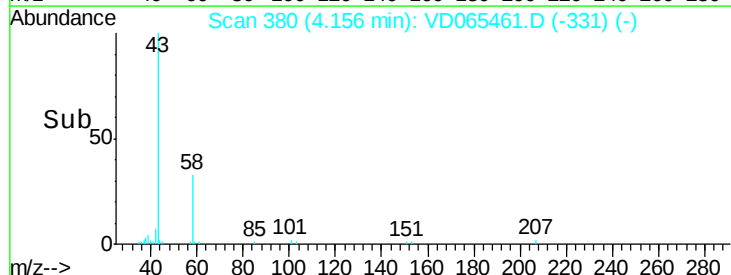
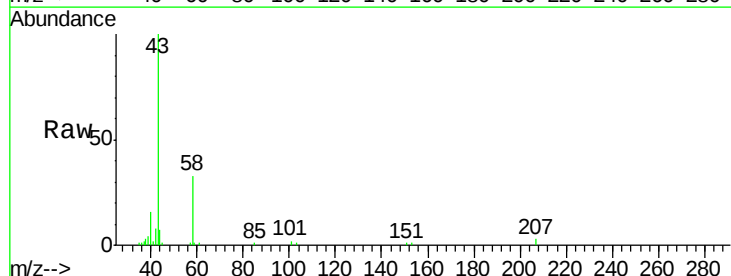
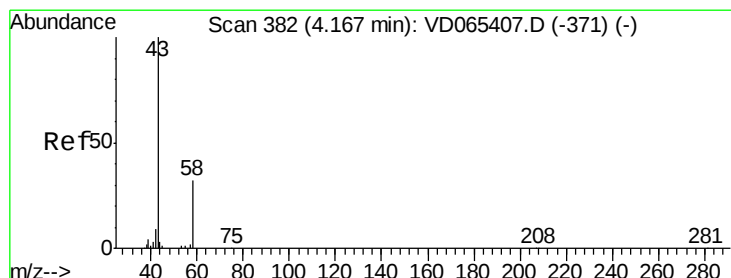
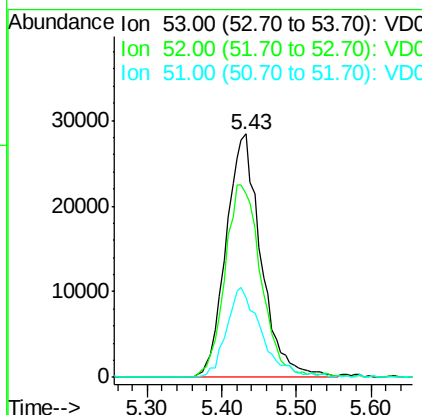
Acq: 10 Mar 2020 13:31

Tot Ion:	53	Resp:	92443
Ion Ratio	Lower	Upper	
53	100		
52	80.8	65.1	97.7
51	36.9	28.5	42.7

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Manual Integrations
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#16

Acetone

Concen: 105.268 ug/l

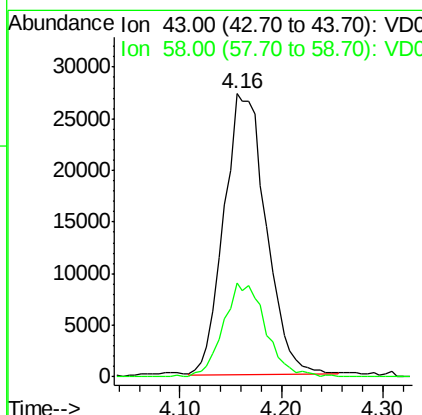
RT: 4.16 min Scan# 380

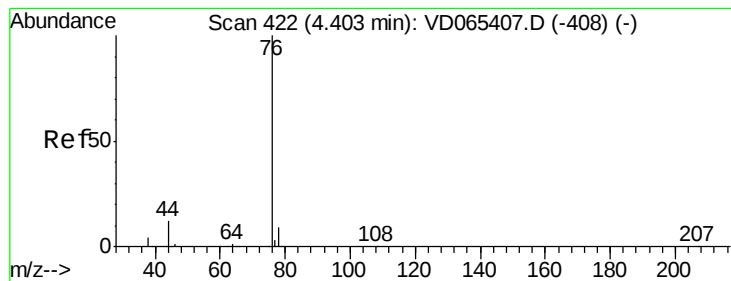
Delta R.T. -0.01 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Tgt Ion:	43	Resp:	79056
Ion Ratio	Lower	Upper	
43	100		
58	33.4	25.1	37.7





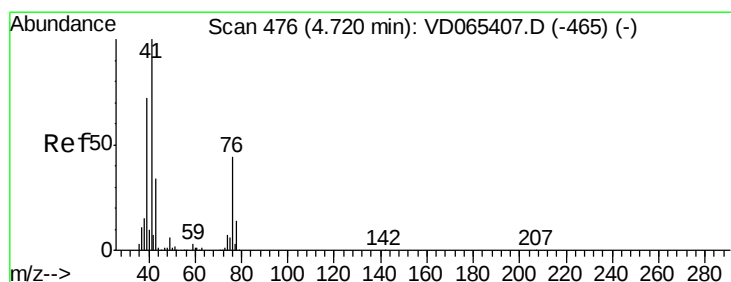
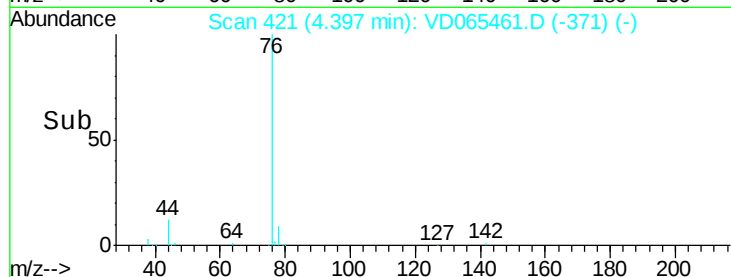
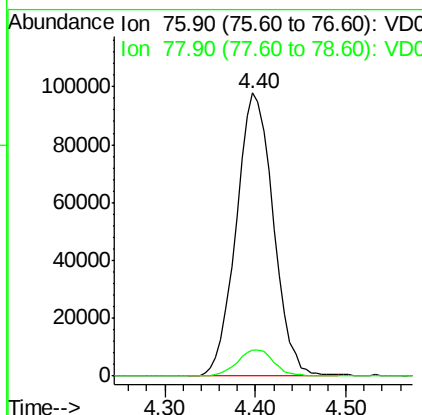
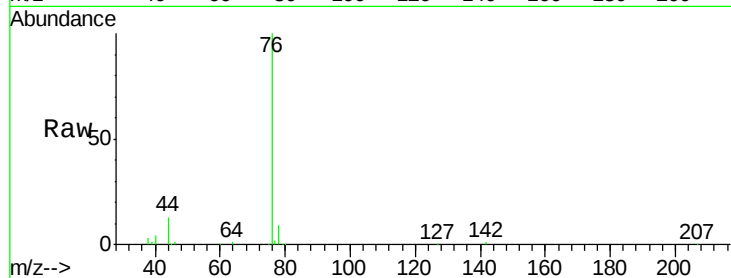
#17
Carbon Disulfide
Concen: 20.767 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

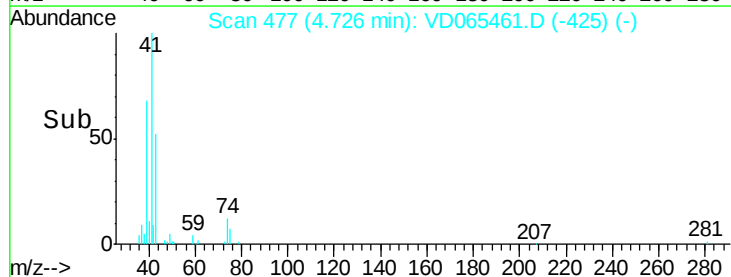
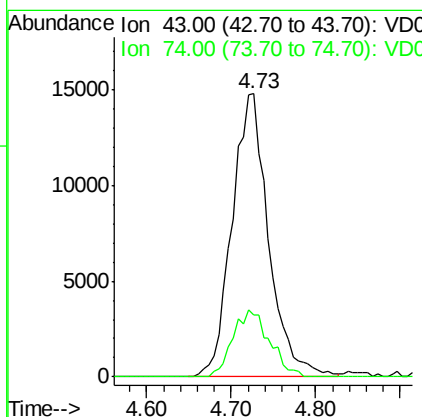
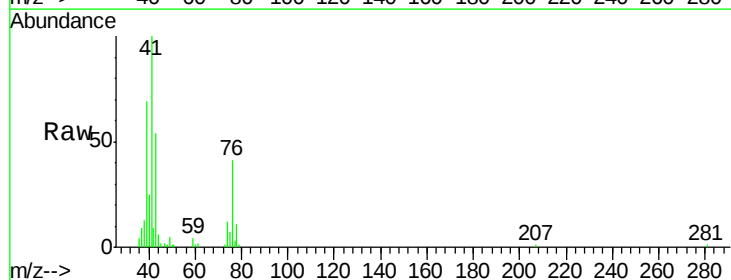
Manual Integrations
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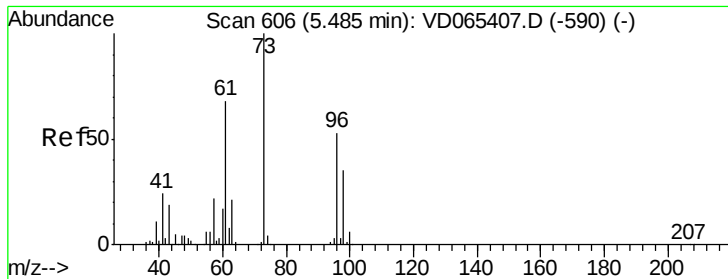
MMDadoda
3/11/2020 3:20:47 PM



#18
Methyl Acetate
Concen: 23.254 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.6	29.4





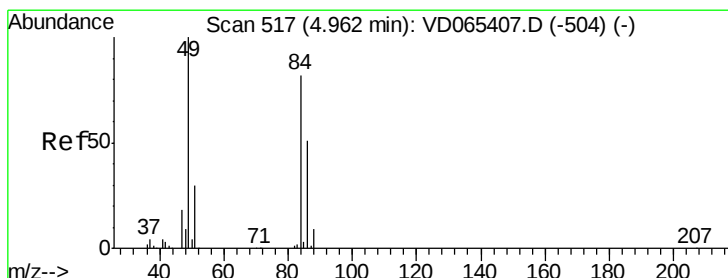
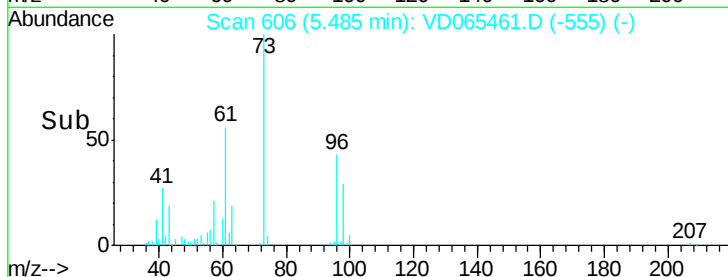
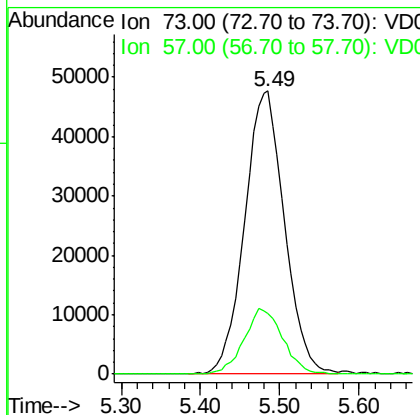
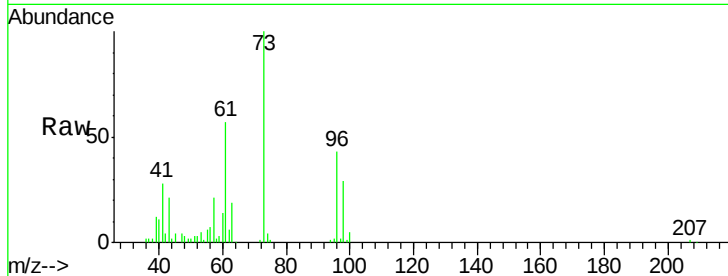
#19
Methvl tert-butvl Ether
Concen: 21.454 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion: 73 Resp: 166100
Ion Ratio Lower Upper
73 100
57 21.5 17.3 25.9

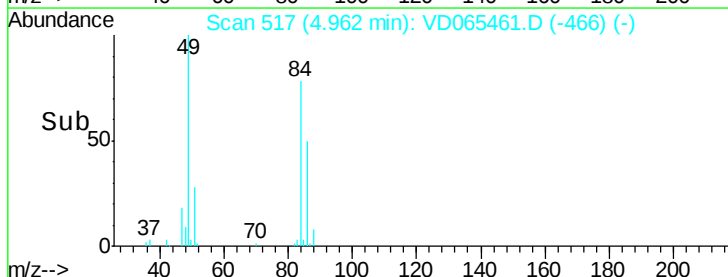
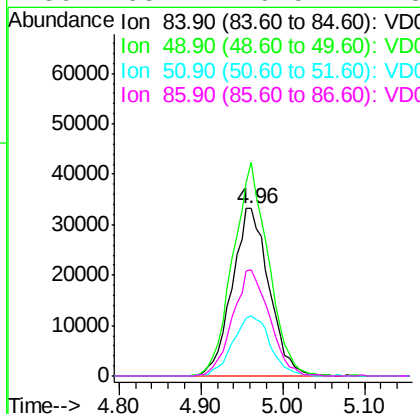
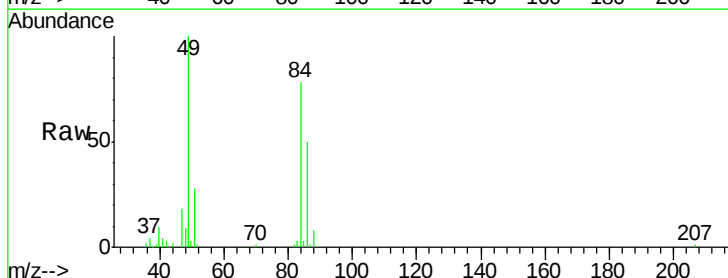
Manual Integrations
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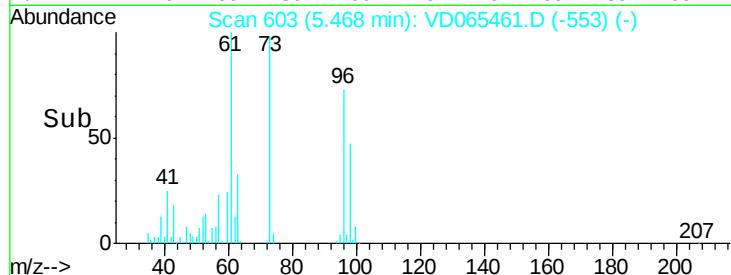
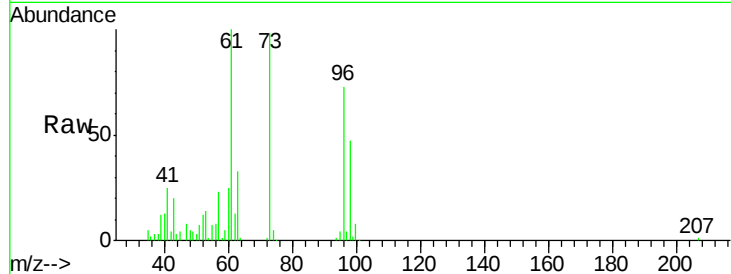
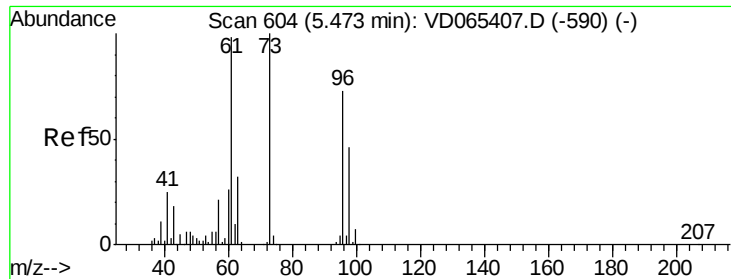
MMDadoda
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#20
Methylene Chloride
Concen: 23.780 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion: 84 Resp: 104374
Ion Ratio Lower Upper
84 100
49 127.4 97.7 146.5
51 35.6 28.8 43.2
86 63.4 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 21.158 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065461.D

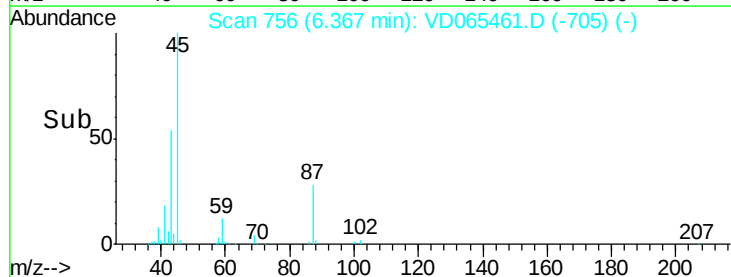
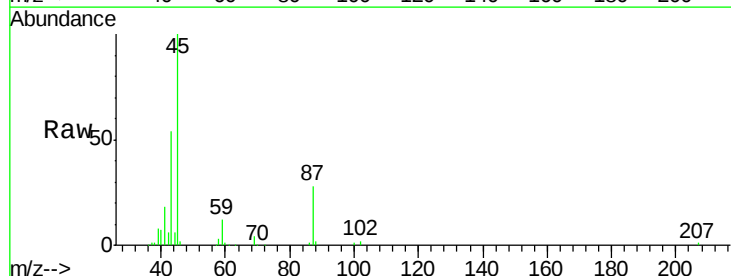
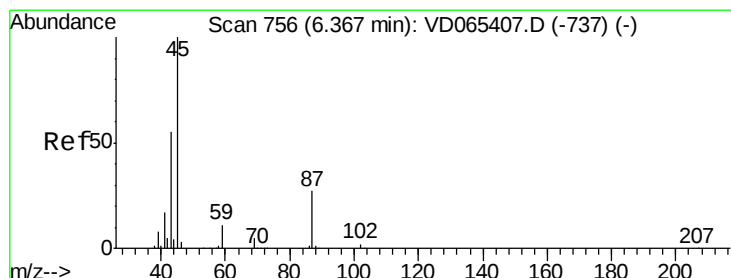
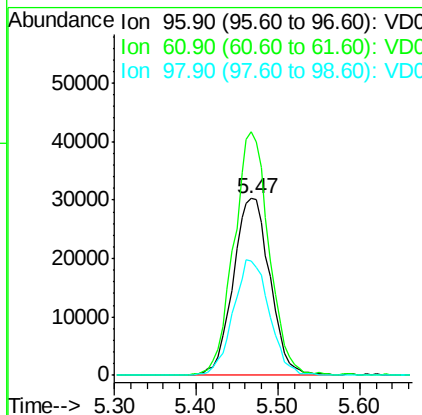
Acq: 10 Mar 2020 13:31

Tot Ion:	96	Resp:	94758
Ion	Ratio	Lower	Upper
96	100		
61	137.7	106.3	159.5
98	64.5	50.2	75.4

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.404 ug/l

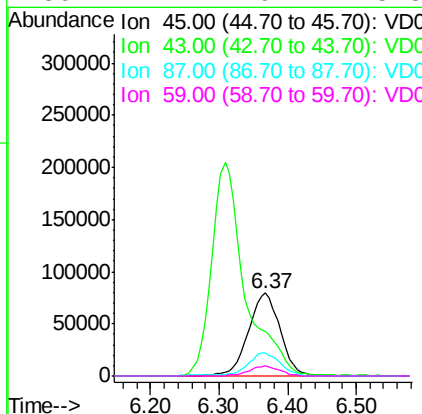
RT: 6.37 min Scan# 756

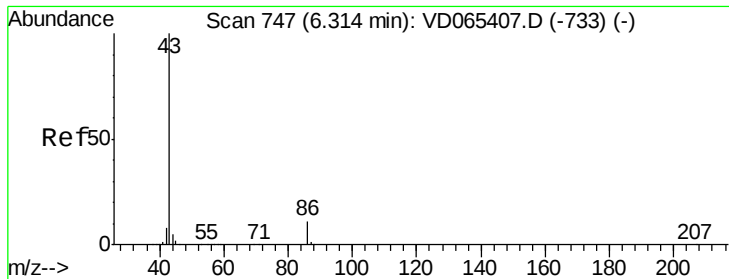
Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Tgt Ion:	45	Resp:	257580
Ion	Ratio	Lower	Upper
45	100		
43	52.9	44.4	66.6
87	27.9	21.9	32.9
59	12.2	9.2	13.8





#23

Vinyl Acetate

Concen: 108.563 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion: 43 Resp: 693027

Ion Ratio Lower Upper

43 100

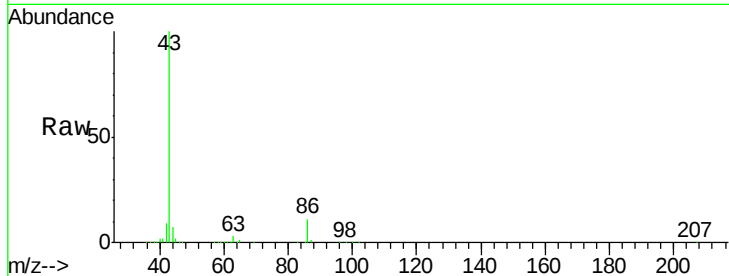
86 10.9 8.9 13.3

Manual Integrations

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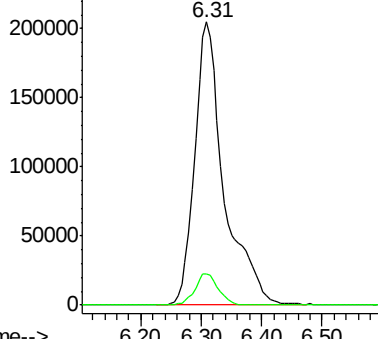
MMDadoda

3/11/2020 3:20:47 PM

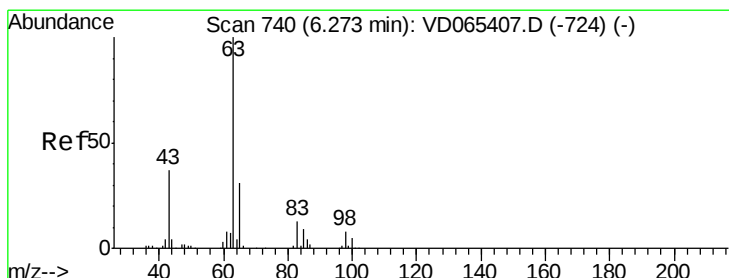
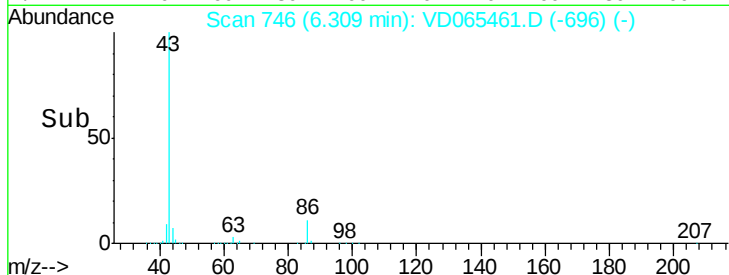


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 21.735 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

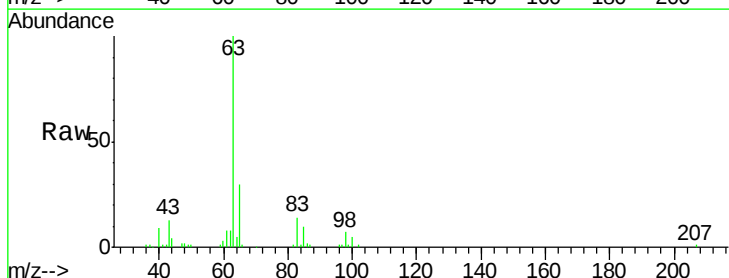
Tgt Ion: 63 Resp: 160281

Ion Ratio Lower Upper

63 100

98 7.0 4.2 12.6

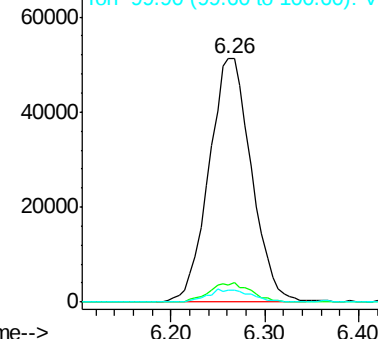
100 4.8 2.4 7.2



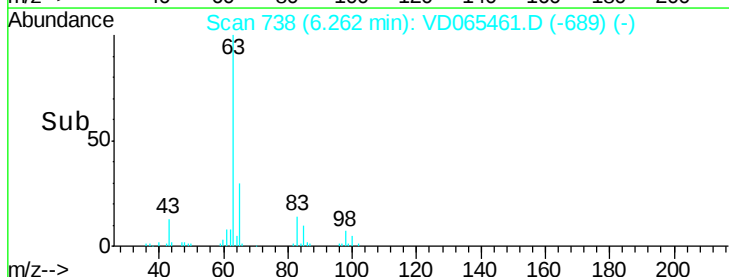
Abundance Ion 62.90 (62.60 to 63.60): VDC

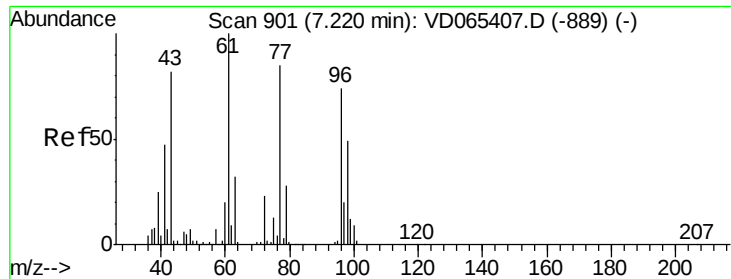
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 105.678 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion: 43 Resp: 108304

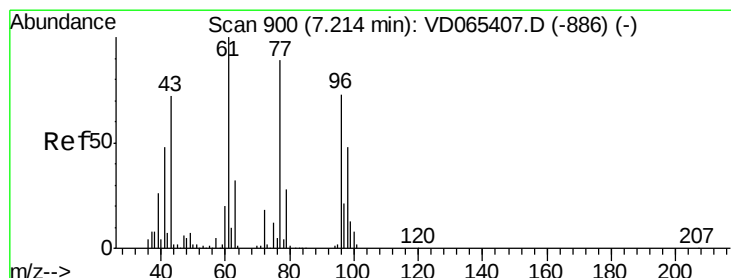
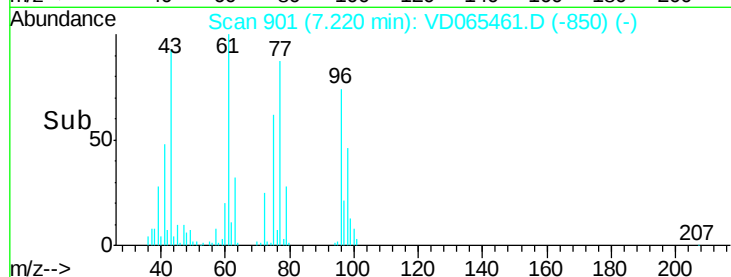
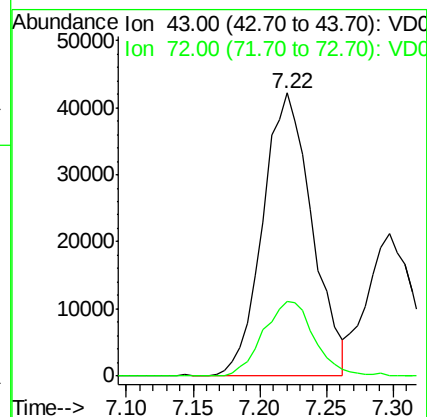
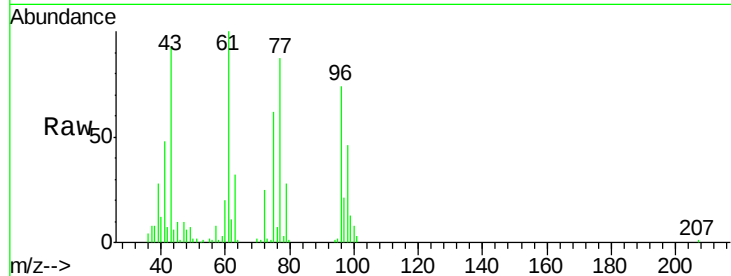
Ion Ratio Lower Upper

43 100

72 26.4 22.3 33.5

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#26

2,2-Dichloropropane

Concen: 21.377 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065461.D

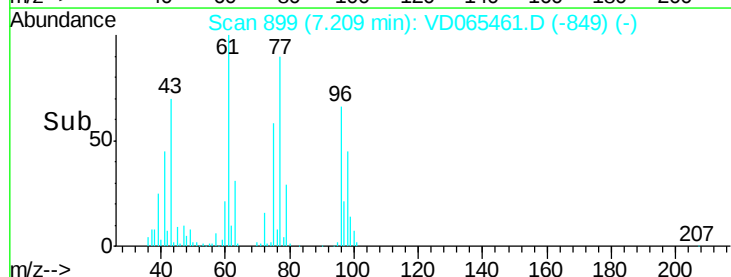
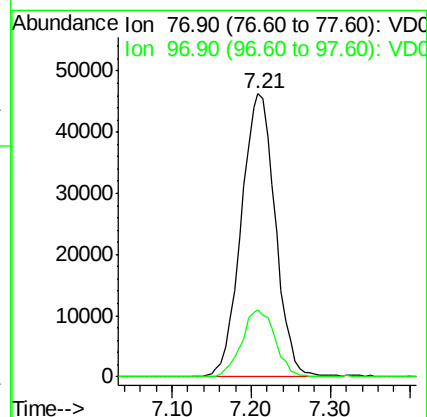
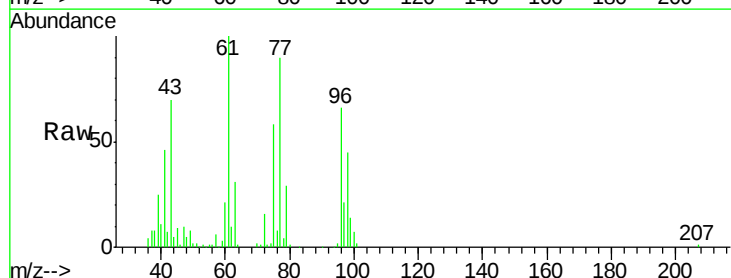
Acq: 10 Mar 2020 13:31

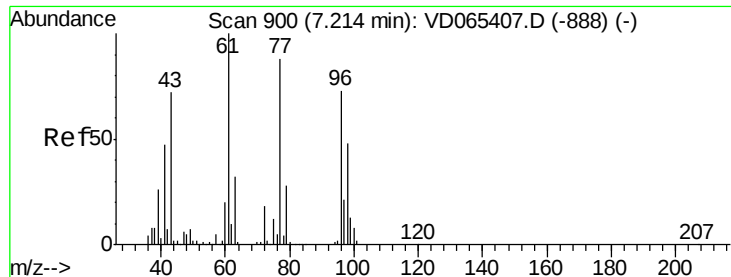
Tgt Ion: 77 Resp: 137757

Ion Ratio Lower Upper

77 100

97 23.2 11.8 35.4





#27

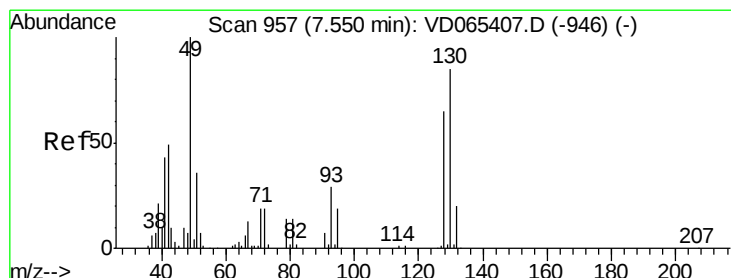
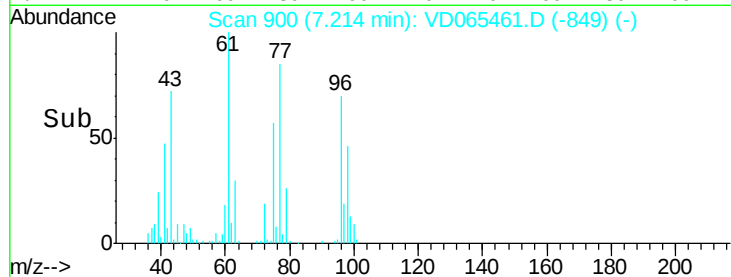
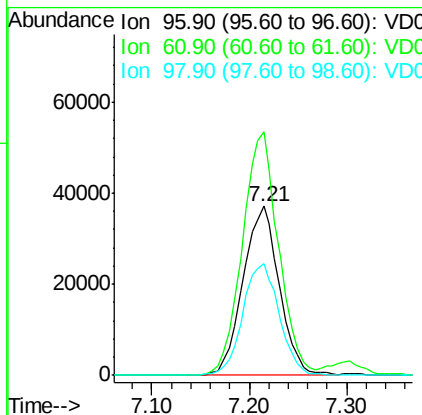
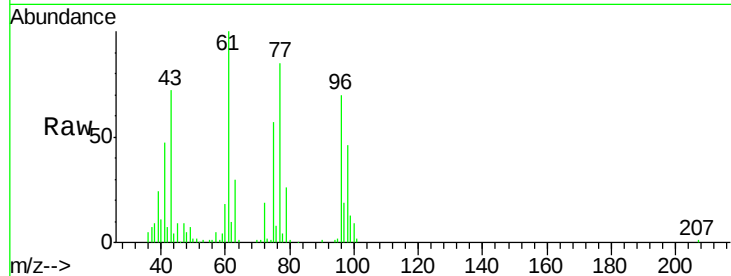
cis-1,2-Dichloroethene
 Concen: 21.112 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.2	0.0	280.4	
98	66.6	0.0	132.6	

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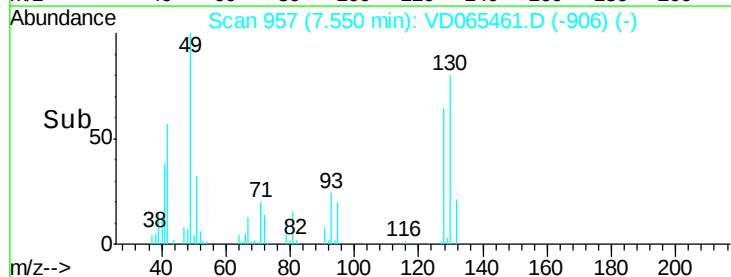
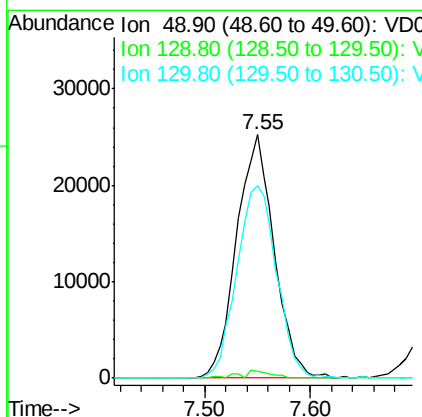
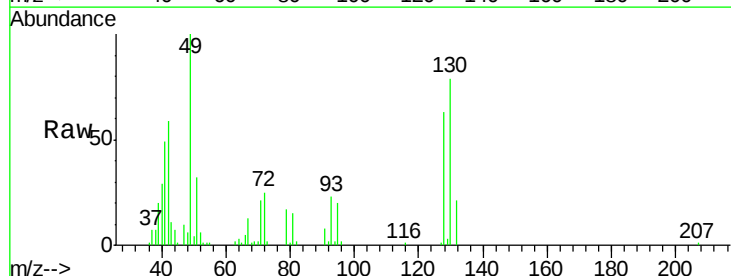
MMDadoda
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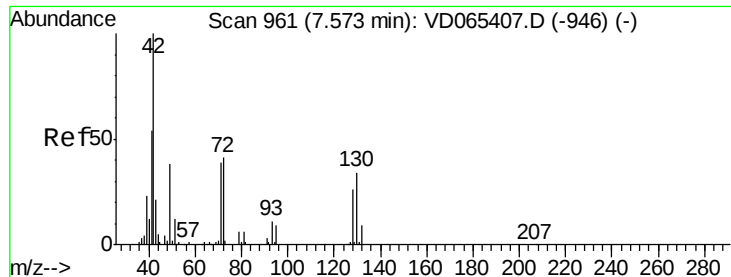


#28

Bromochloromethane
 Concen: 21.047 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	4.6	
130	84.2	66.6	100.0	





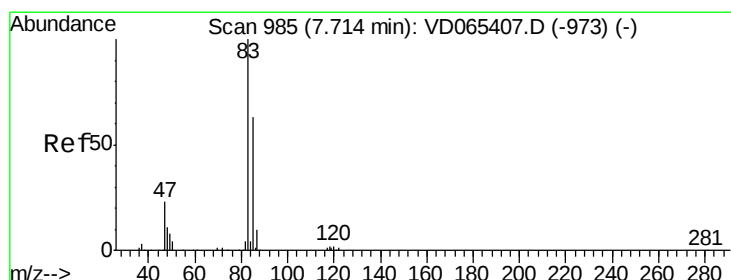
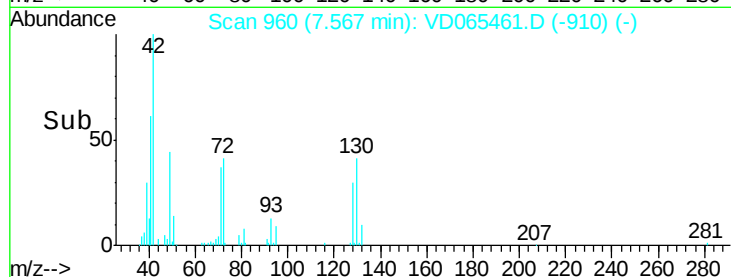
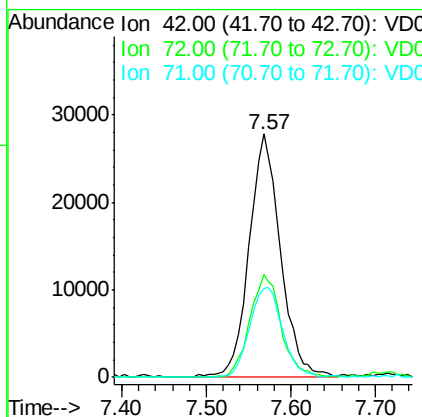
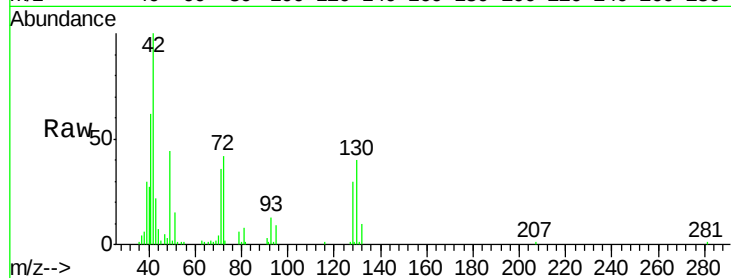
#29
Tetrahydrofuran
Concen: 110.556 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion:	42	Resp:	72357
Ion Ratio	Lower	Upper	
42	100		
72	41.9	33.0	49.6
71	38.5	32.0	48.0

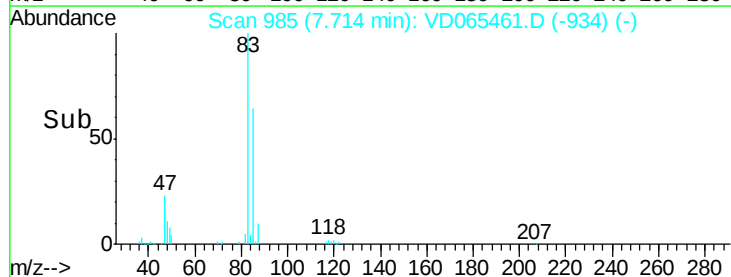
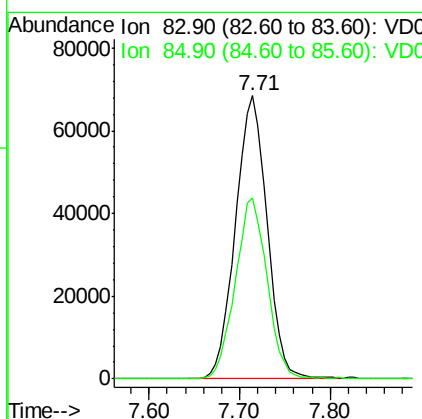
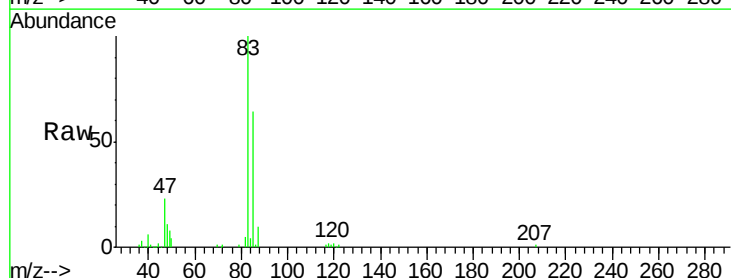
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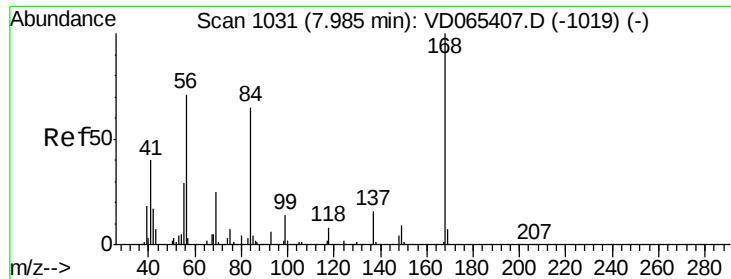
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#30
Chloroform
Concen: 22.544 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion:	83	Resp:	166168
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.3	75.5





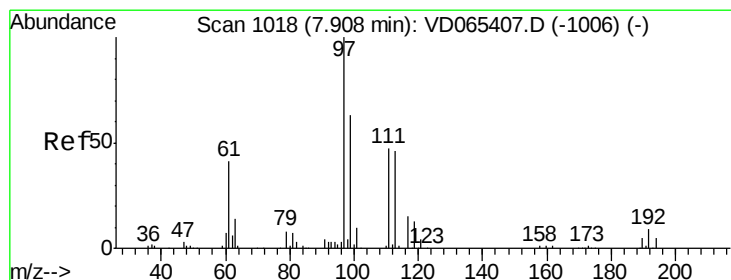
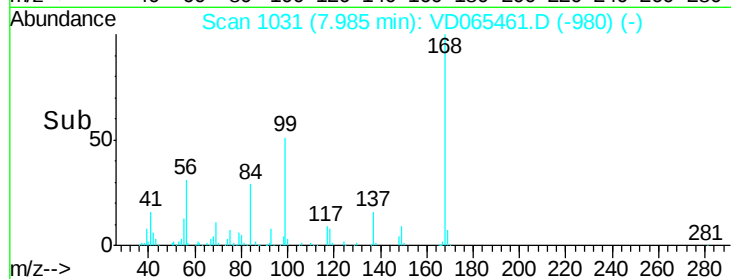
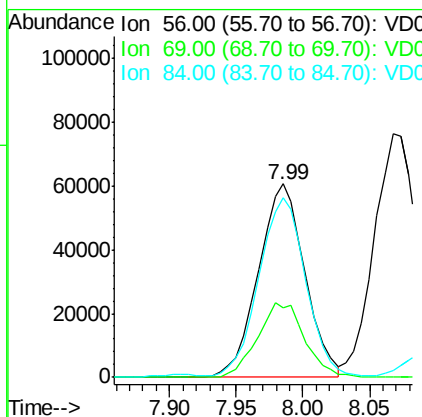
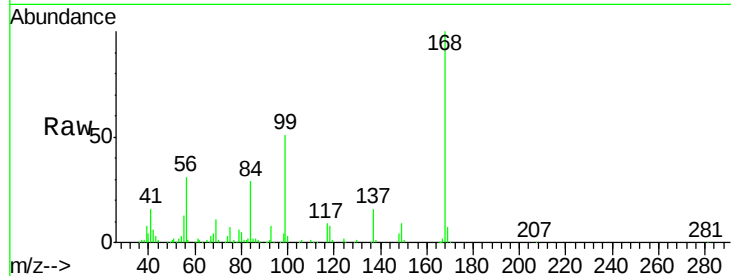
#31
Cyclohexane
Concen: 19.887 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	35.9	28.3	42.5	
84	91.7	73.1	109.7	

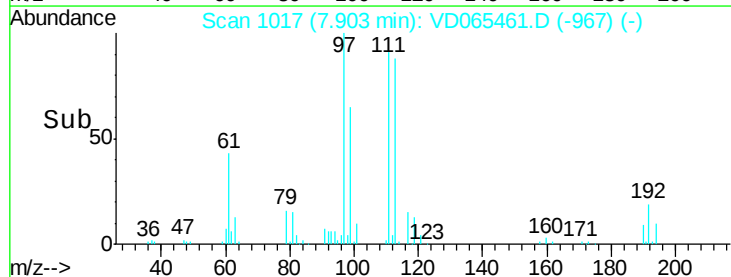
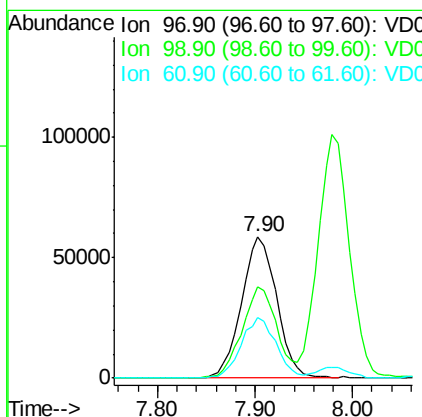
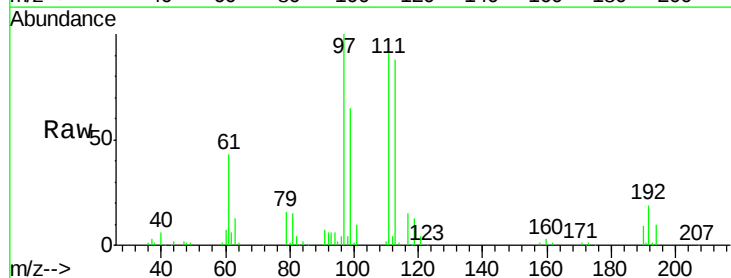
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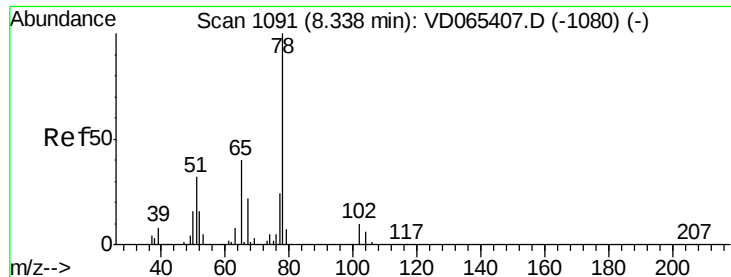
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#32
1,1,1-Trichloroethane
Concen: 21.578 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.0	50.9	76.3	
61	42.5	33.2	49.8	





#33

1,2-Dichloroethane-d4

Concen: 51.901 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion: 65 Resp: 192730

Ion Ratio Lower Upper

65 100

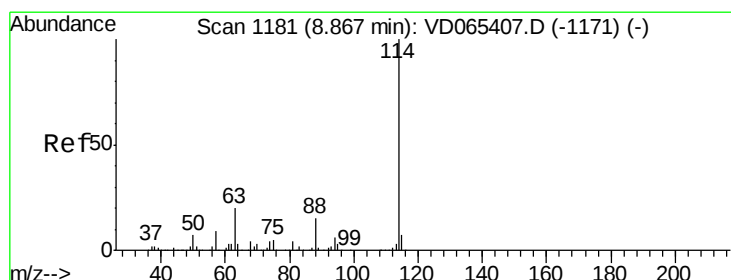
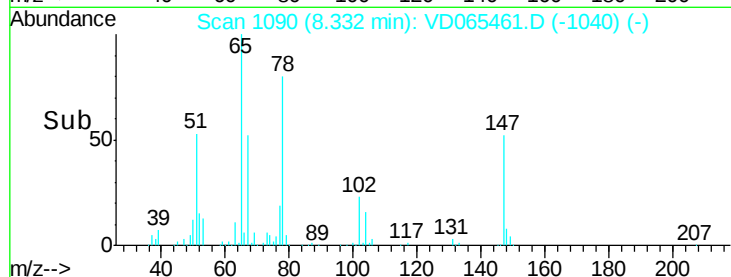
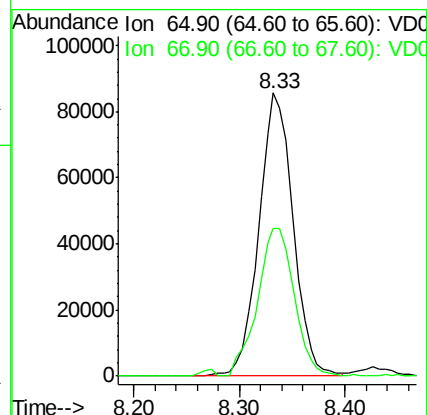
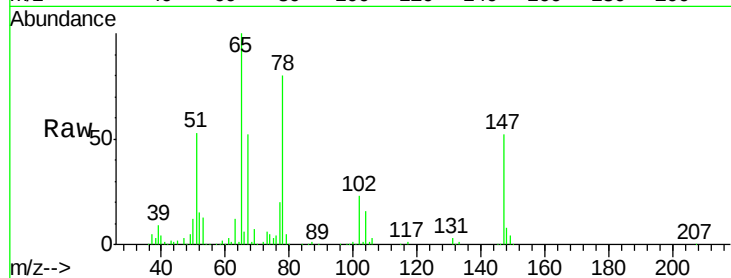
67 56.3 0.0 108.0

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3/11/2020 3:20:47 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

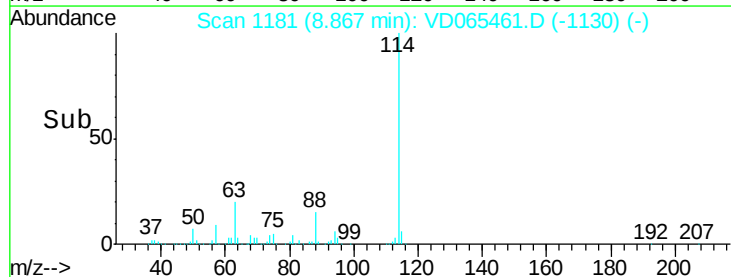
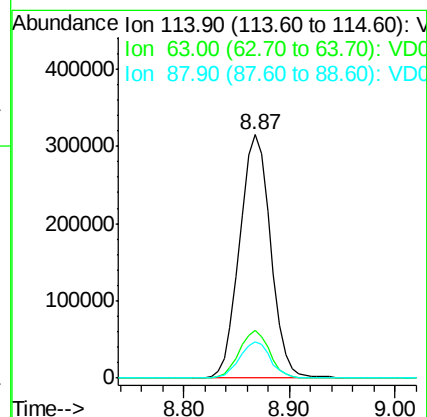
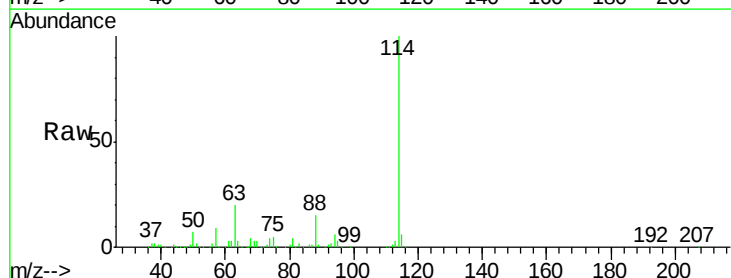
Tgt Ion: 114 Resp: 641395

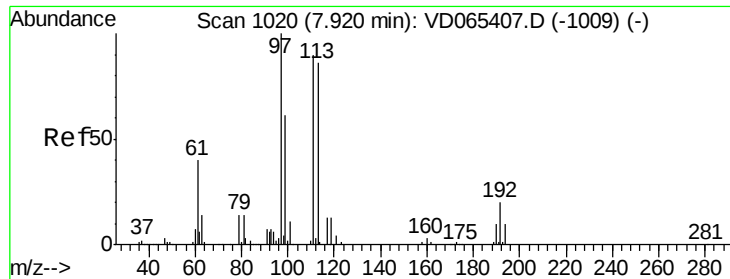
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 15.1 0.0 30.4





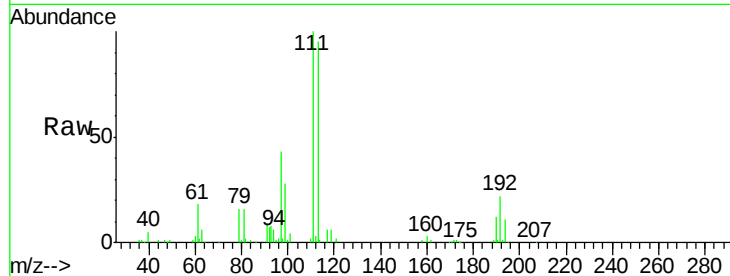
#35
 Dibromofluoromethane
 Concen: 50.104 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

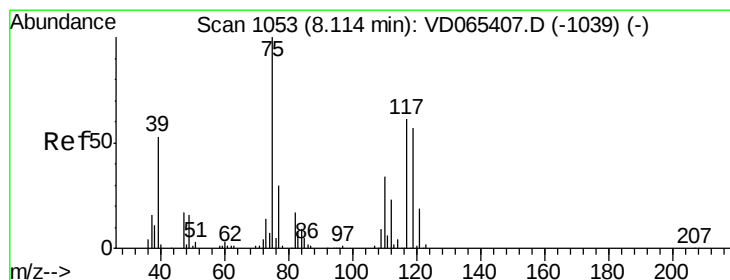
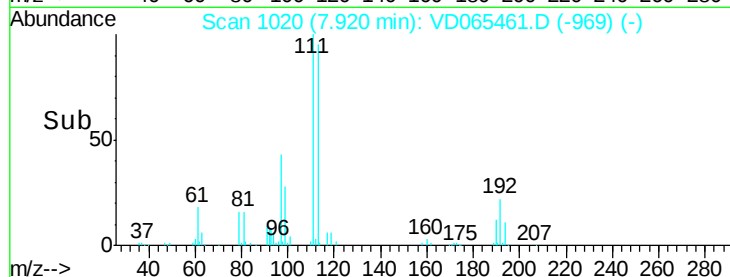
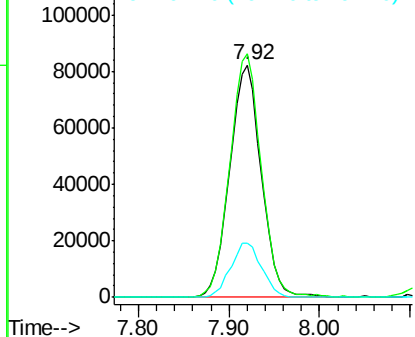
Tot Ion	Ratio	Resp	Lower	Upper
113	100	198733		
111	104.3	82.1	123.1	
192	23.1	17.2	25.8	

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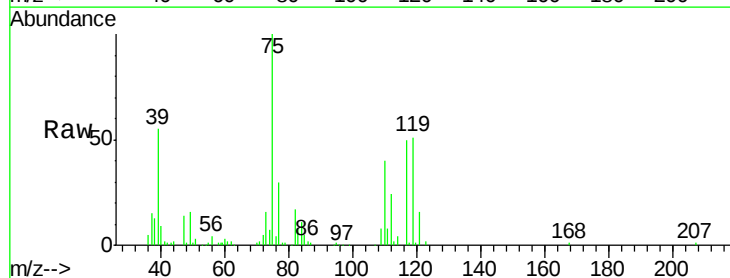


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

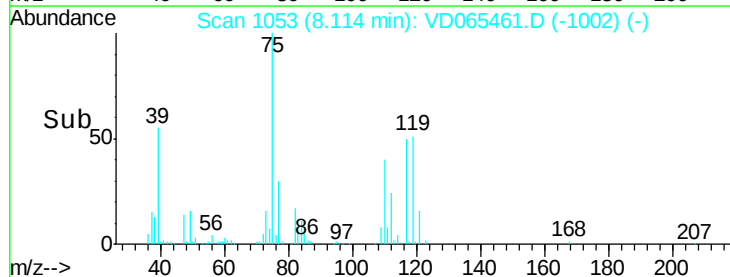
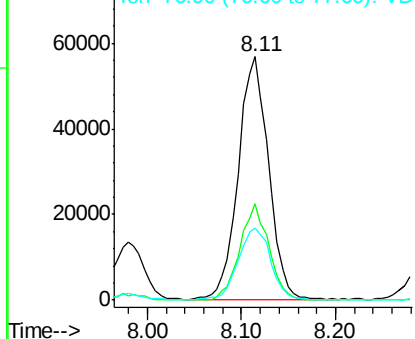


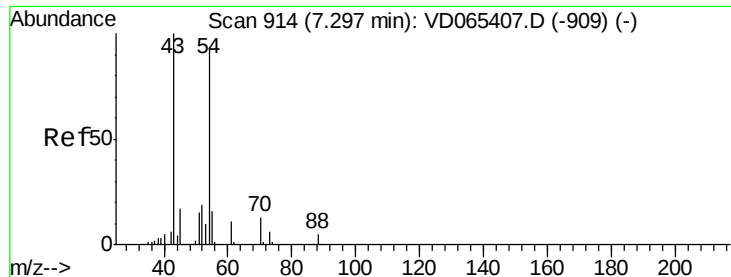
#36
 1,1-Dichloropropene
 Concen: 20.893 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128452		
110	37.4	18.1	54.1	
77	31.6	25.2	37.8	



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





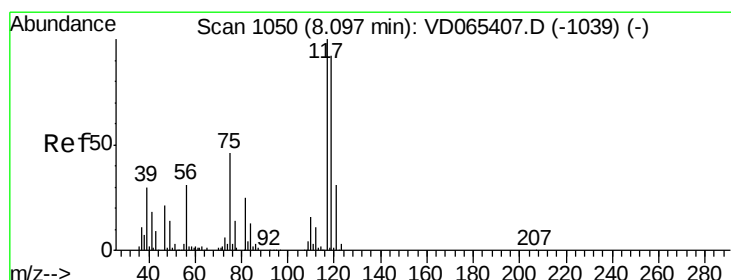
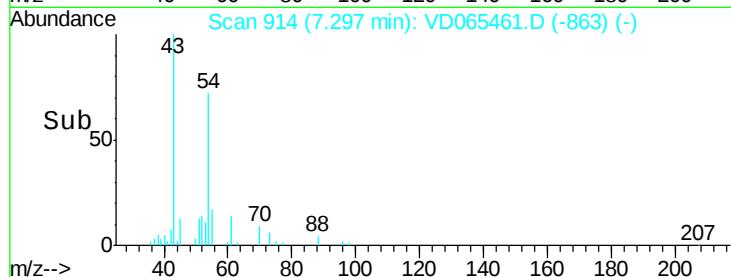
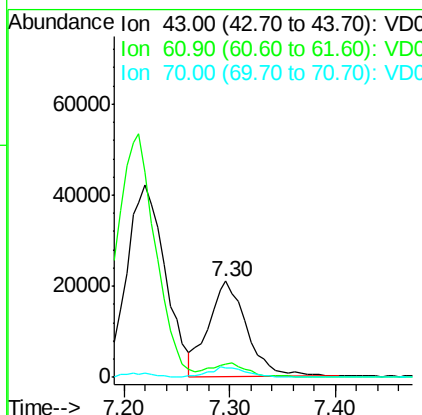
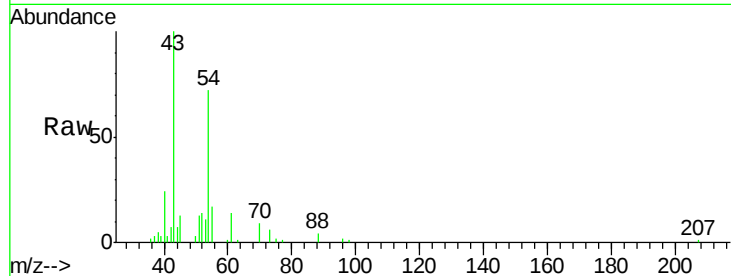
#37
Ethyl Acetate
Concen: 22.311 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.4	17.0
70	10.3	9.0	13.4

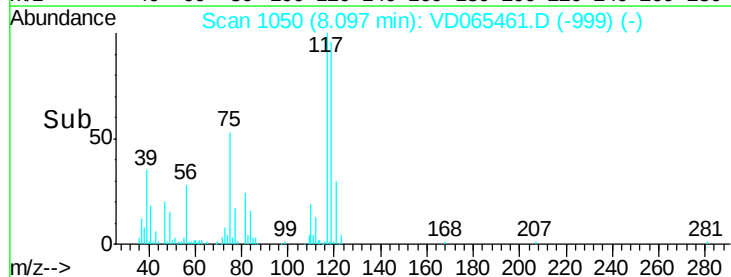
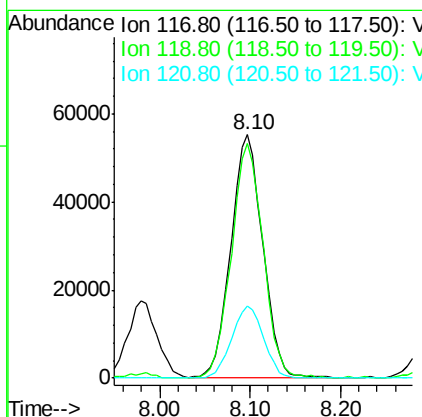
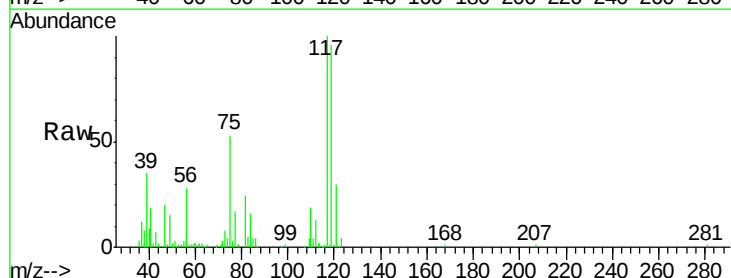
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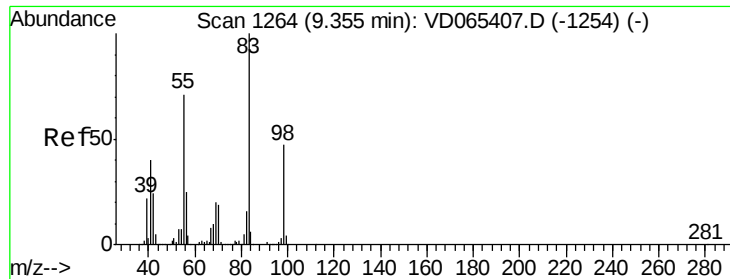
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#38
Carbon Tetrachloride
Concen: 21.084 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	73.3	109.9
121	29.9	25.0	37.4





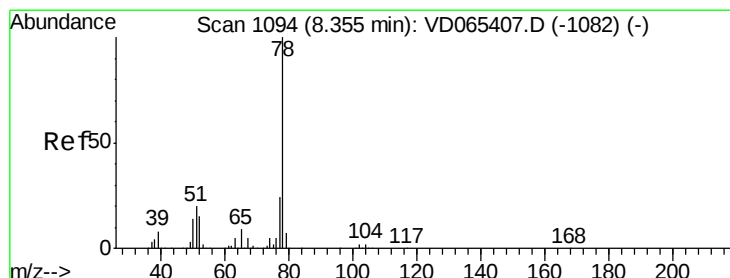
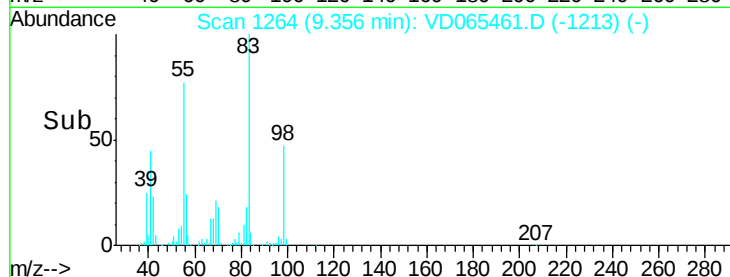
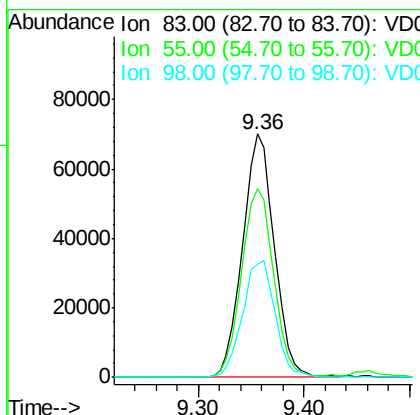
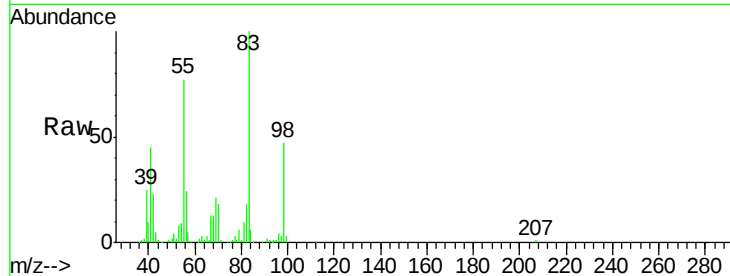
#39
Methvlcvclohexane
Concen: 19.780 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	57.1	85.7
98	46.6	37.8	56.8

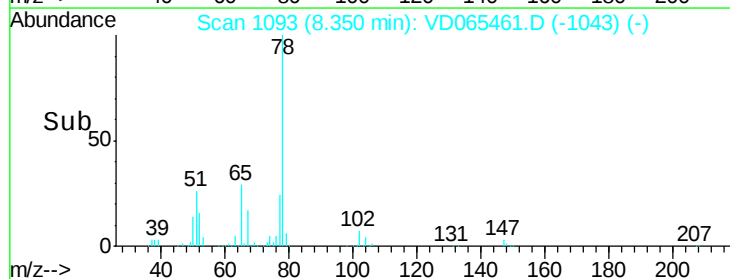
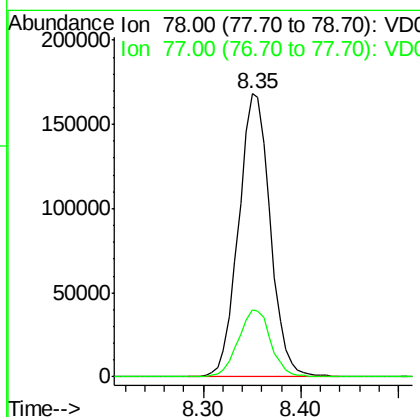
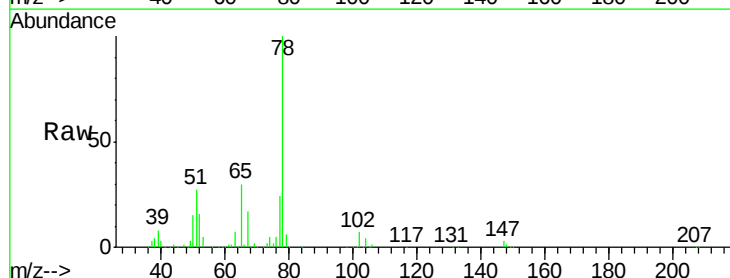
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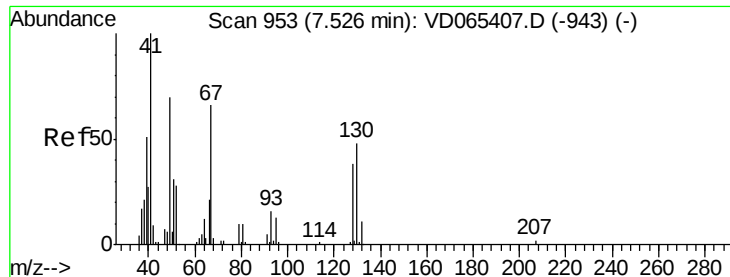
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#40
Benzene
Concen: 22.192 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0





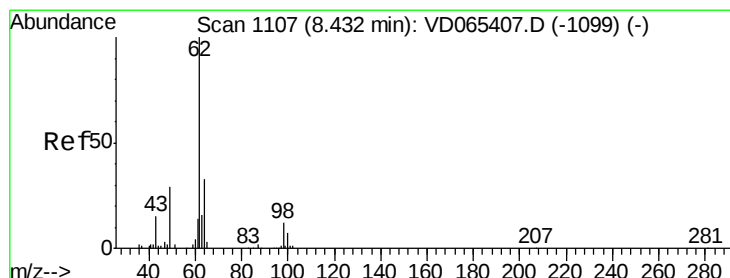
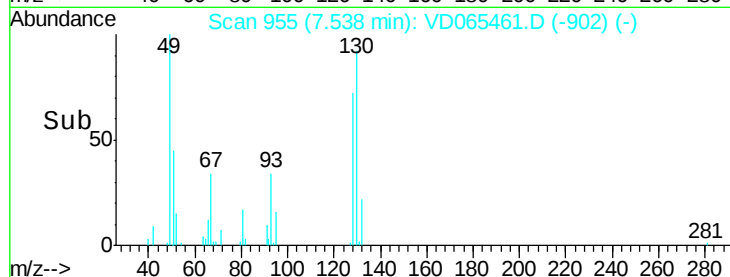
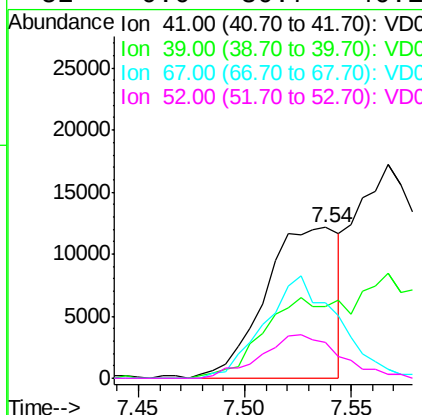
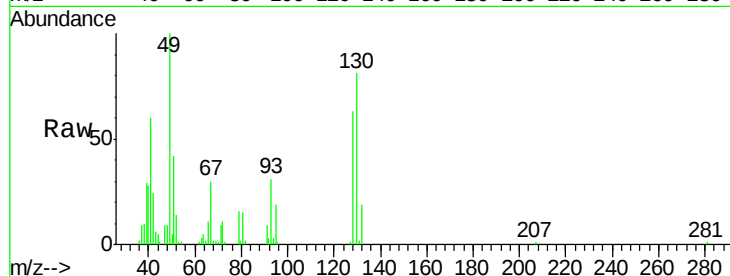
#41
Methacrylonitrile
Concen: 23.330 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.0	55.0	82.6
67	0.0	70.3	105.5#
52	0.0	30.7	46.1#

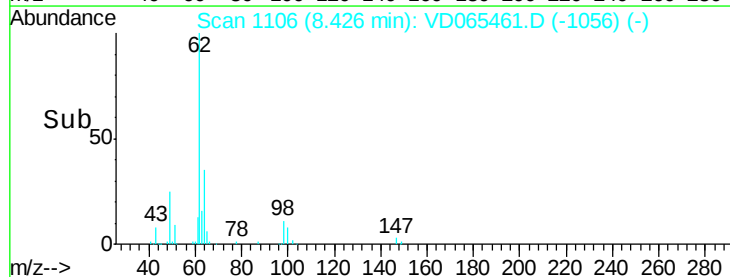
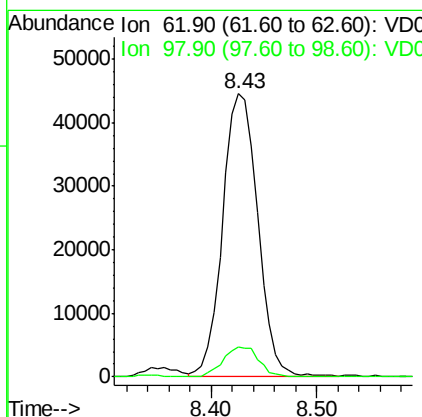
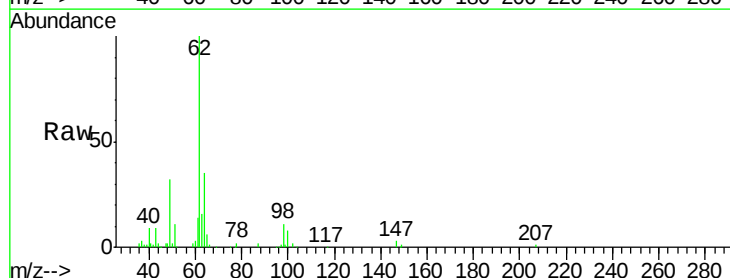
Manual Integrations
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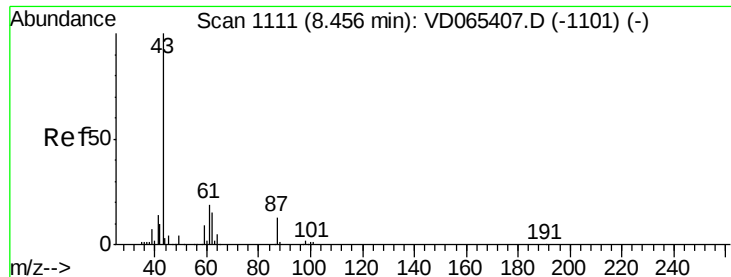
MMDadoda
3/11/2020 3:20:47 PM



#42
1,2-Dichloroethane
Concen: 22.892 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.4





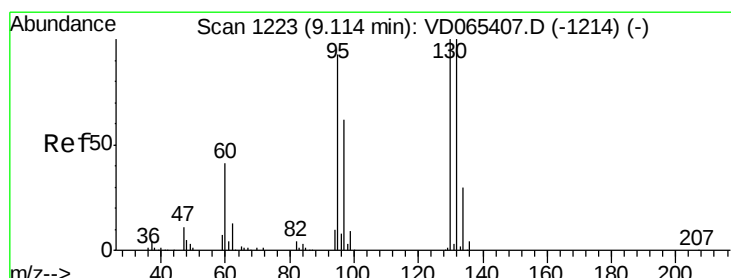
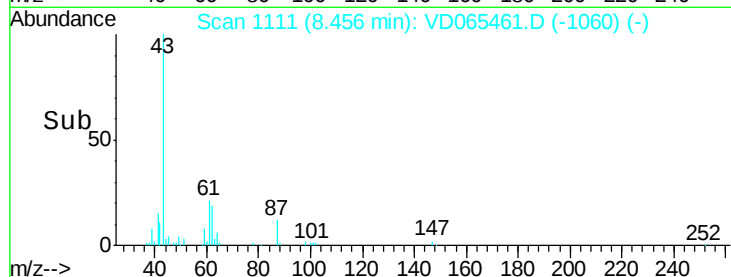
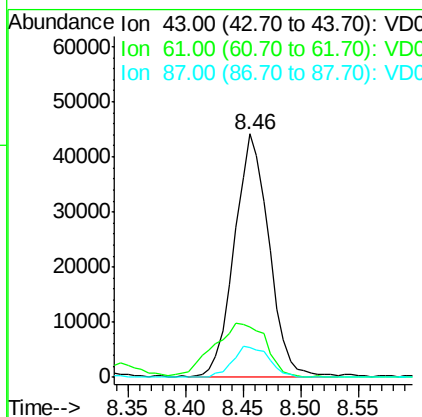
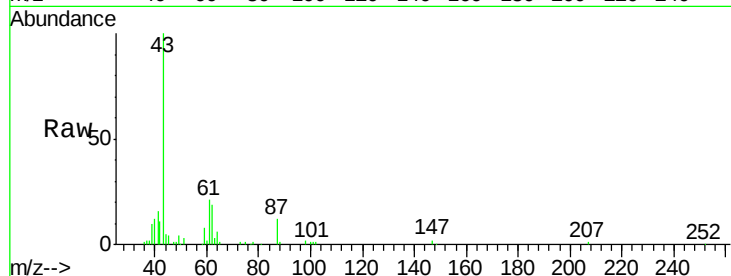
#43
Isopropyl Acetate
Concen: 21.077 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.8	25.0	37.6
87	13.5	11.0	16.4

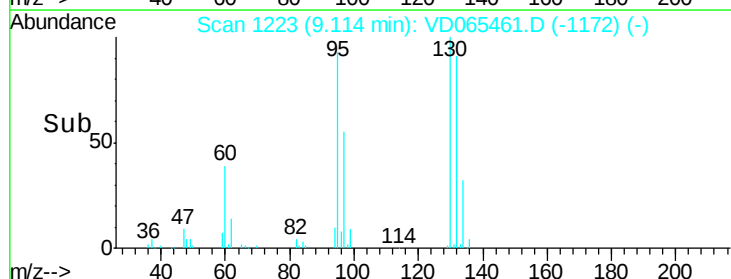
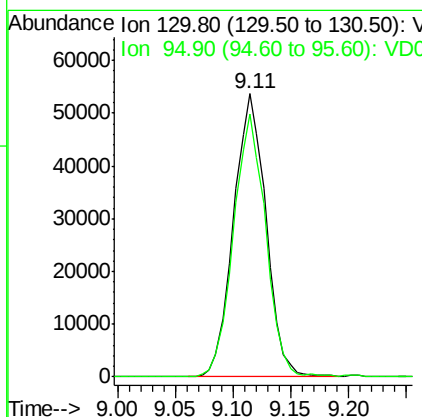
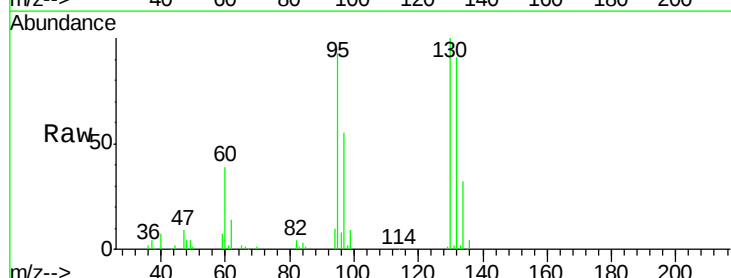
Manual Integrations
APPROVED

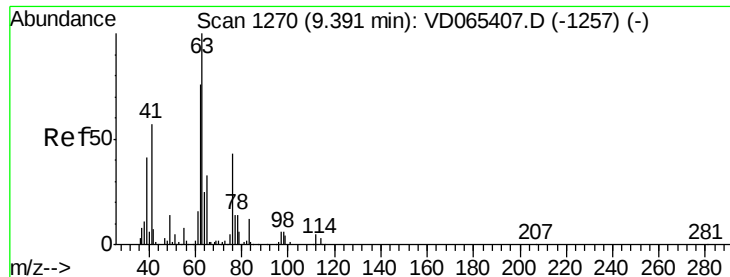
MMDadoda
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#44
Trichloroethene
Concen: 21.505 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	186.0





#45

1,2-Dichloropropane

Concen: 22.203 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion: 63 Resp: 92452

Ion Ratio Lower Upper

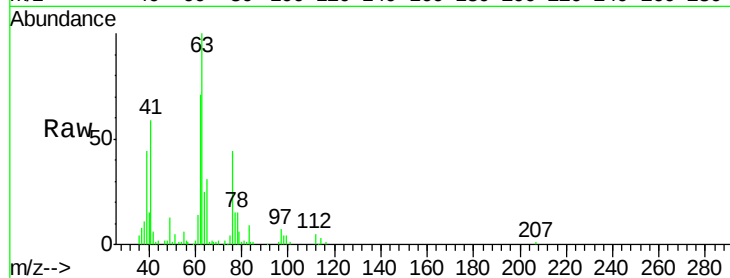
63 100

65 31.2 26.4 39.6

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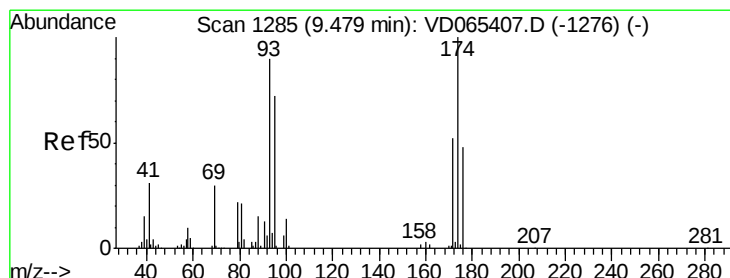
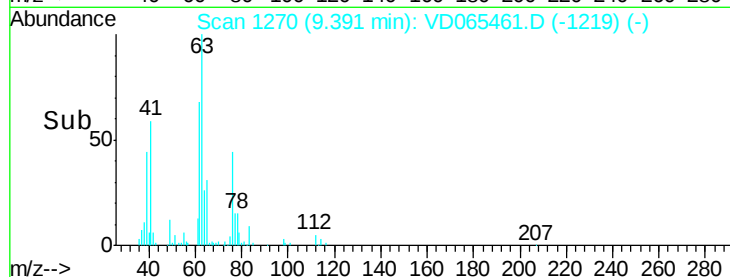
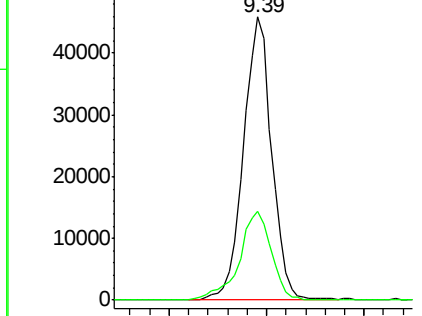
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 22.792 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

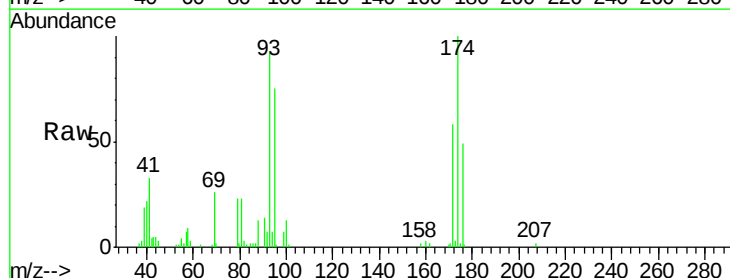
Tgt Ion: 93 Resp: 49229

Ion Ratio Lower Upper

93 100

95 83.8 65.0 97.6

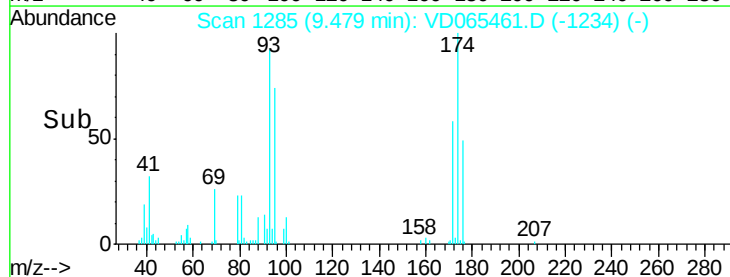
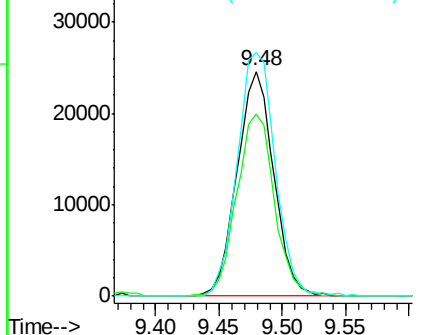
174 112.5 88.3 132.5

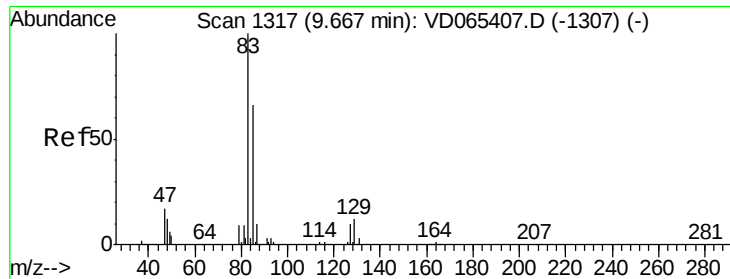


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.503 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

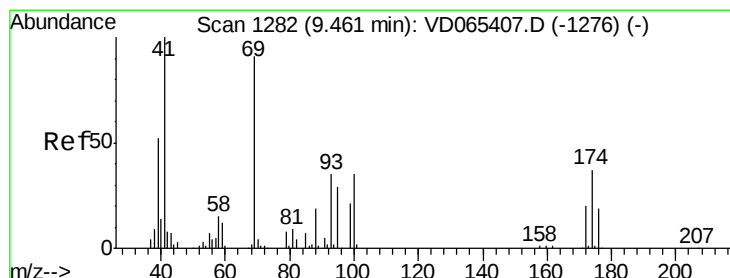
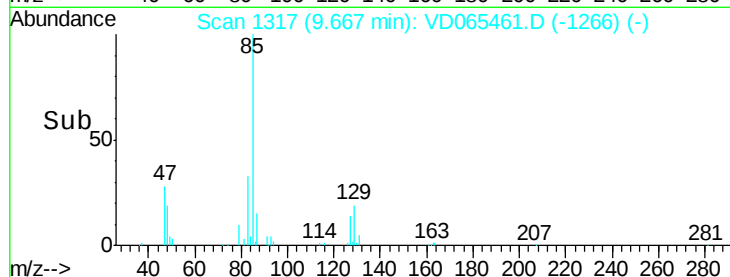
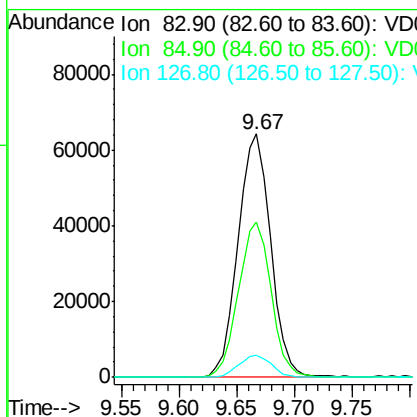
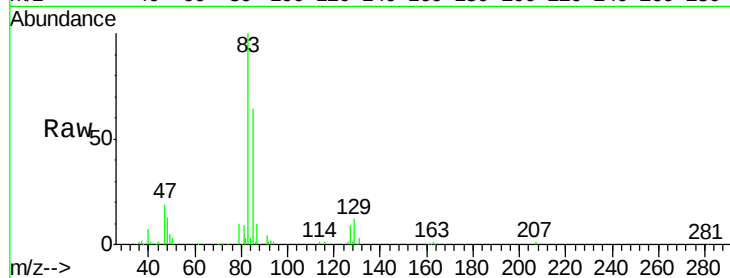
ClientSampleId :

VD0310SBS01

Tot Ion:	83	Resp:	126444
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.8	79.2
127	9.0	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.708 ug/l

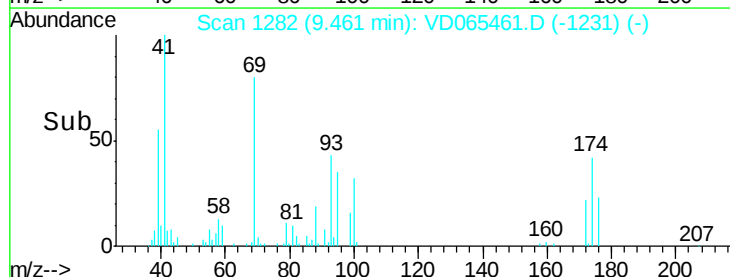
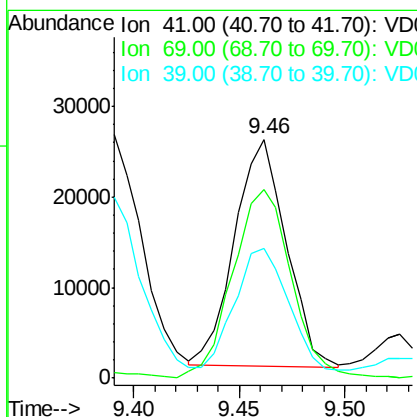
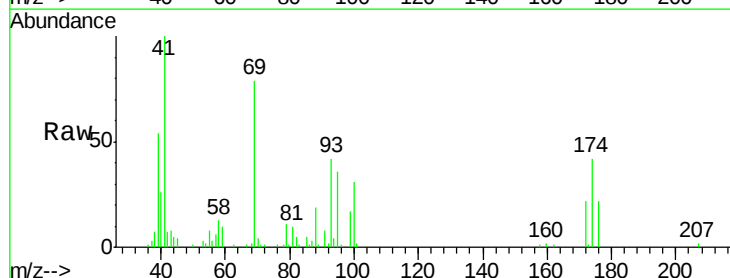
RT: 9.46 min Scan# 1282

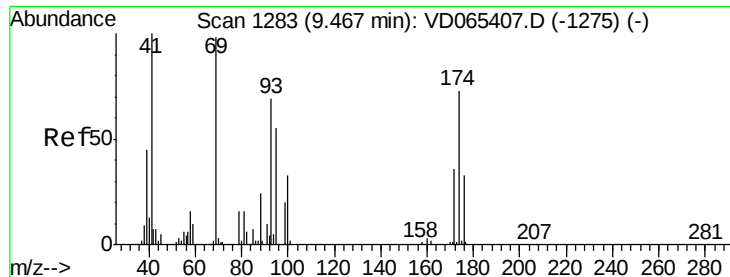
Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Tgt Ion:	41	Resp:	42741
Ion	Ratio	Lower	Upper
41	100		
69	93.9	72.5	108.7
39	63.5	41.6	62.4#





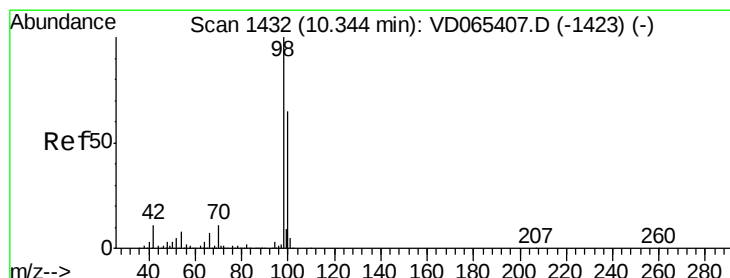
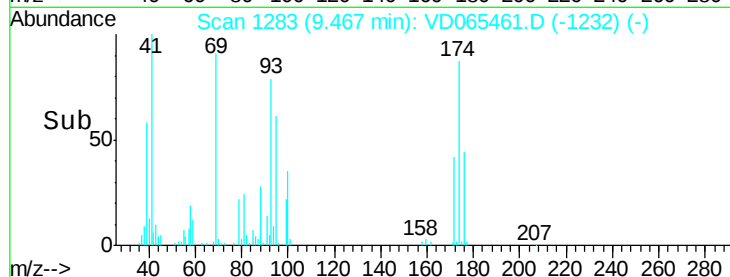
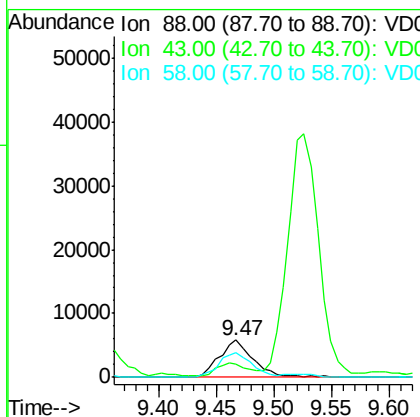
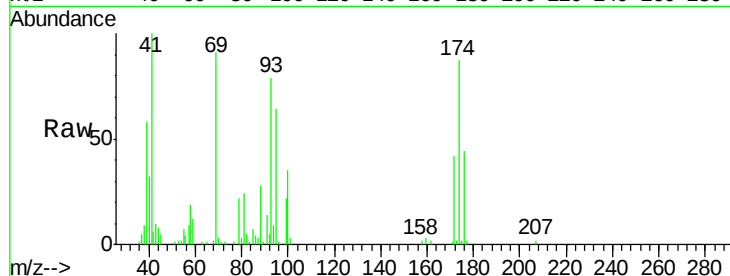
#49
1,4-Dioxane
Concen: 476.485 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	88	Resp	11772
Ion Ratio	Lower	Upper	
88	100		
43	33.7	24.5	36.7
58	64.9	54.5	81.7

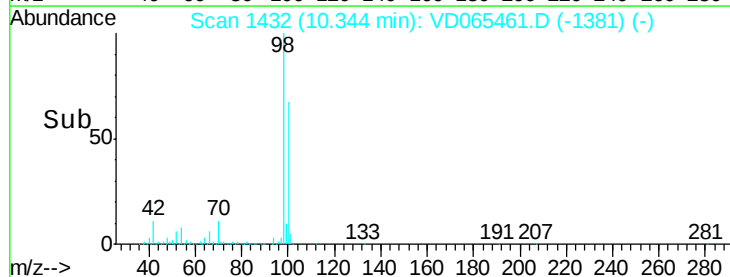
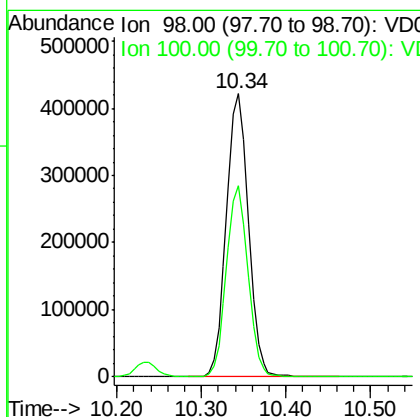
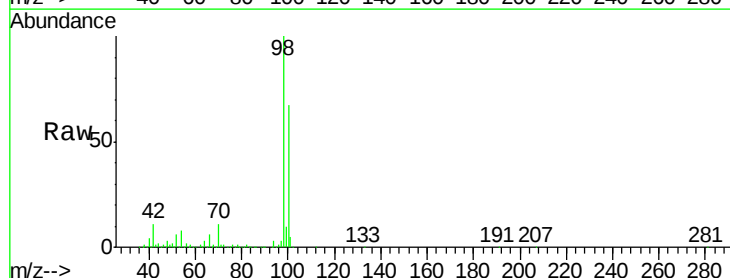
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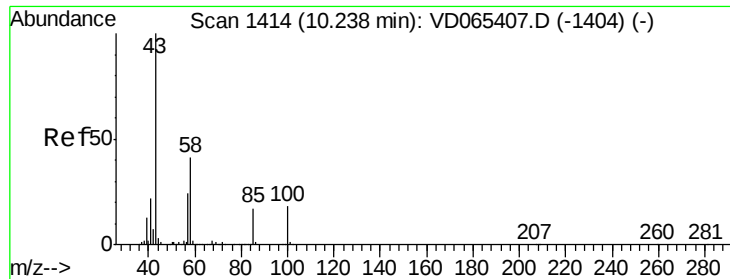
MMDadoda
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#50
Toluene-d8
Concen: 50.182 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion	98	Resp	763602
Ion Ratio	Lower	Upper	
98	100		
100	66.1	52.8	79.2





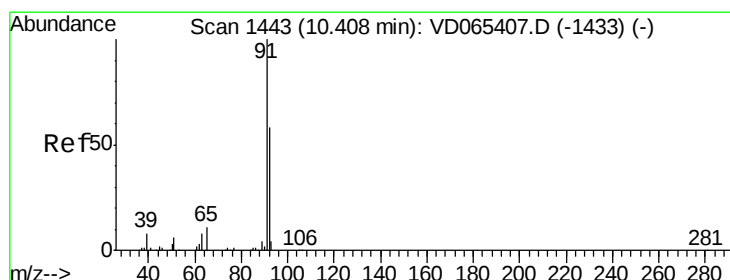
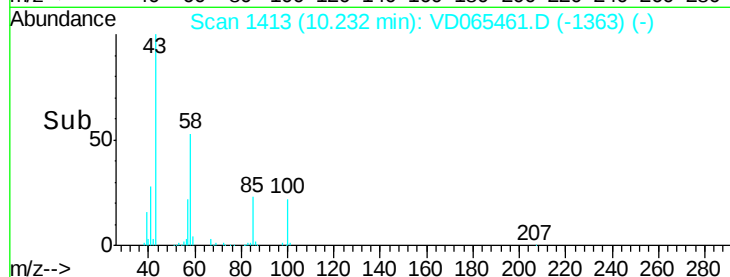
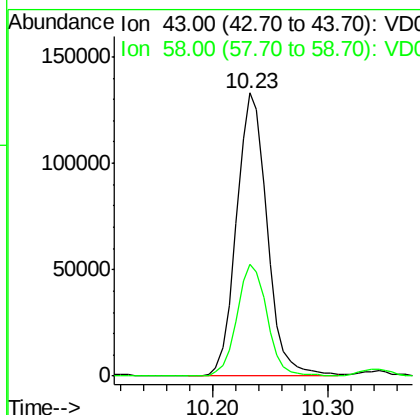
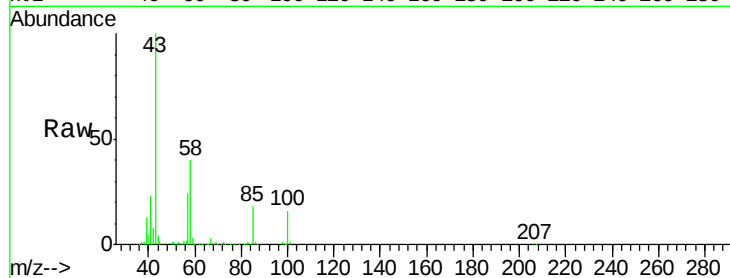
#51
4-Methyl-2-Pentanone
Concen: 110.227 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.8	47.6

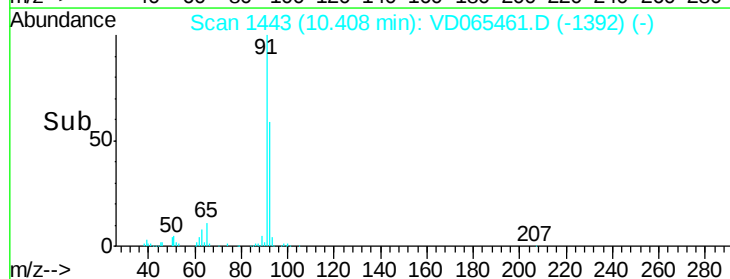
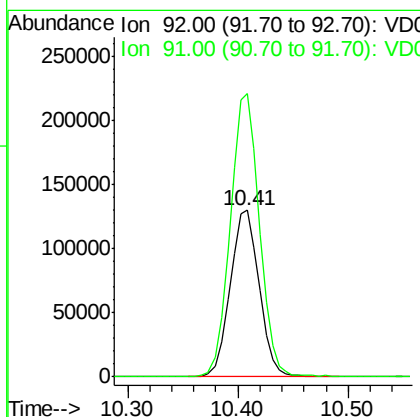
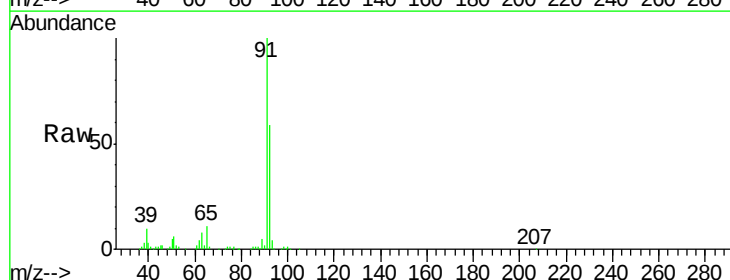
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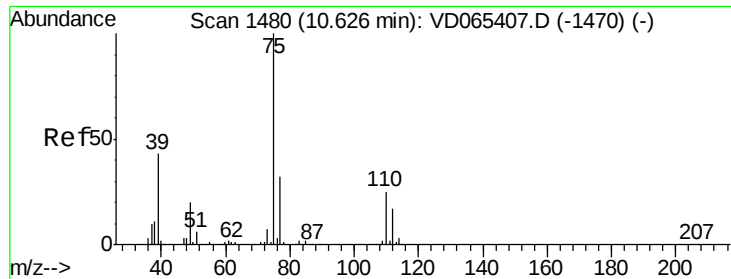
MMDadoda
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#52
Toluene
Concen: 22.136 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.1	137.8	206.8





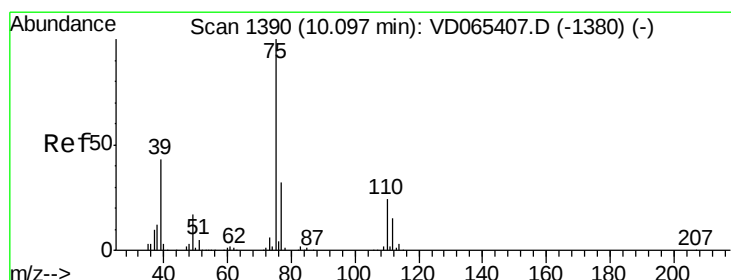
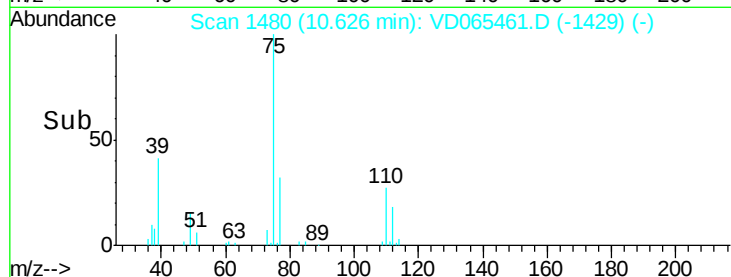
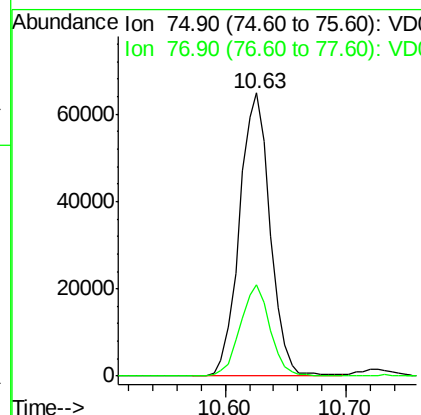
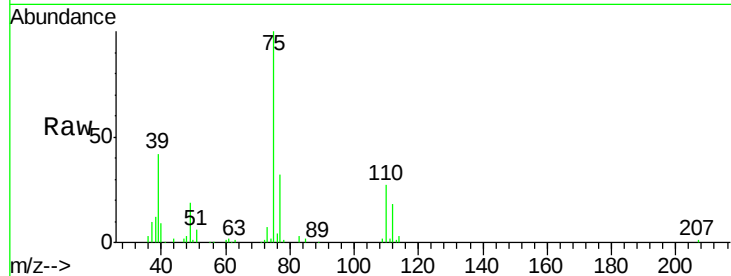
#53
t-1,3-Dichloropropene
Concen: 21.873 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.2

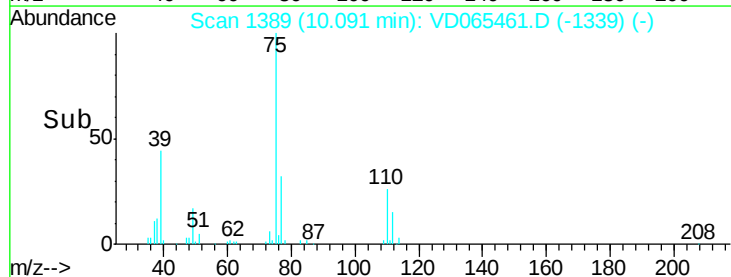
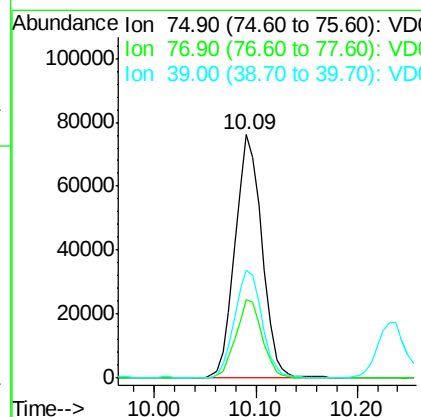
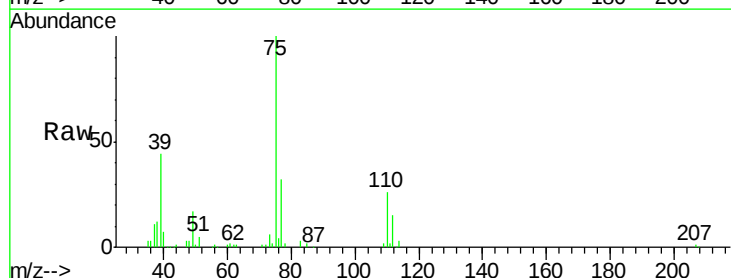
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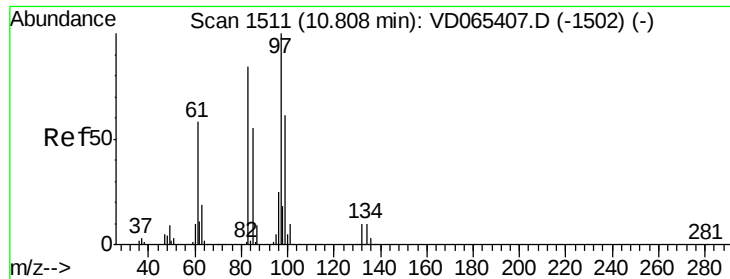
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#54
cis-1,3-Dichloropropene
Concen: 22.114 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.3	37.9
39	44.4	34.6	52.0





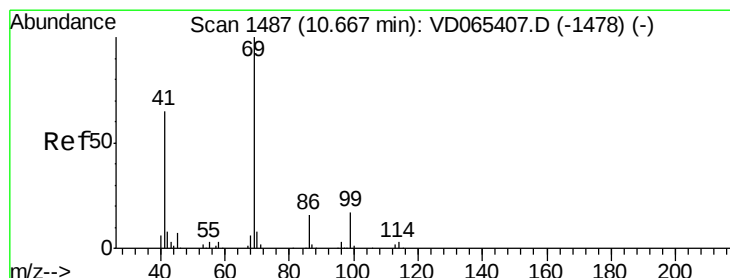
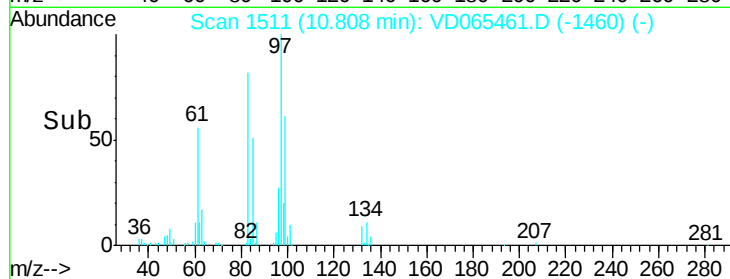
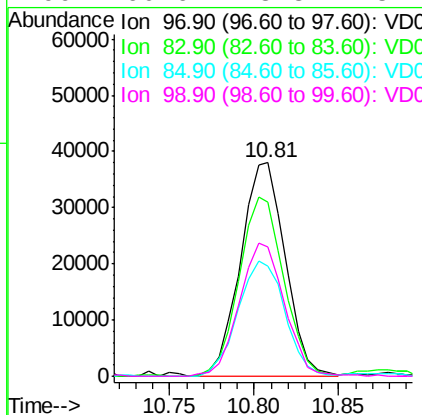
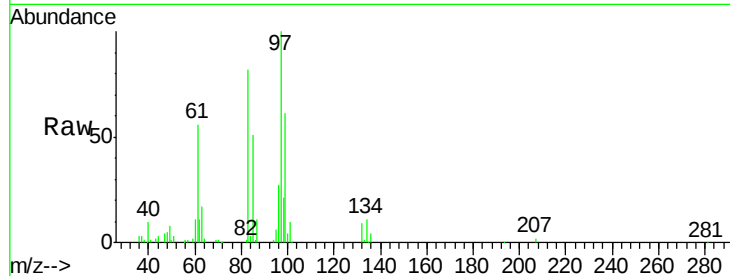
#55
 1,1,2-Trichloroethane
 Concen: 22.878 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		69988		
83	81.6	67.4	101.0		
85	51.5	43.8	65.8		
99	60.6	48.8	73.2		

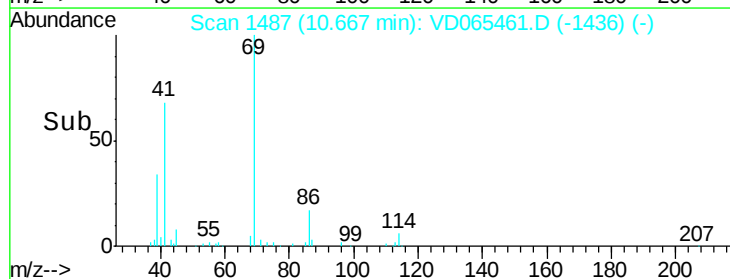
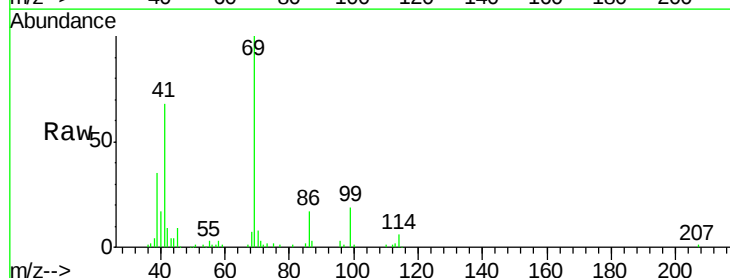
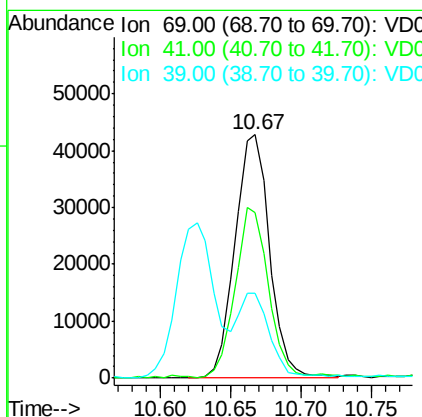
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#56
 Ethyl methacrylate
 Concen: 21.330 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		73560		
41	66.0	53.0	79.6		
39	29.6	26.0	39.0		





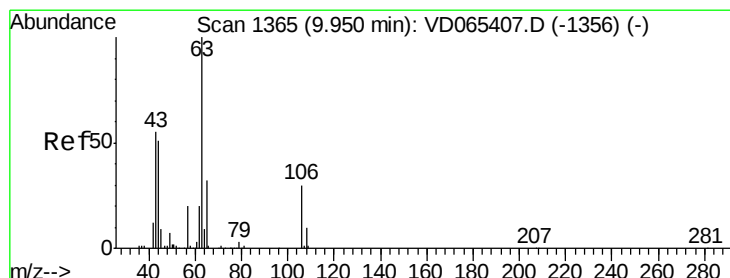
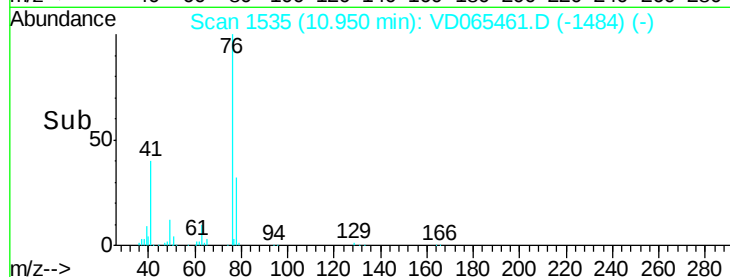
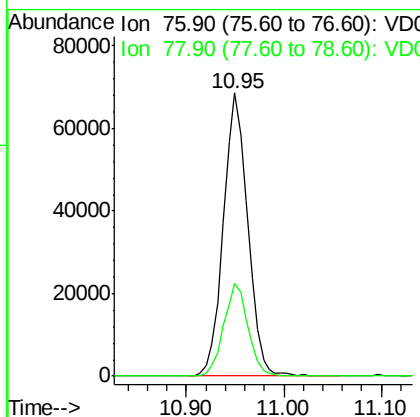
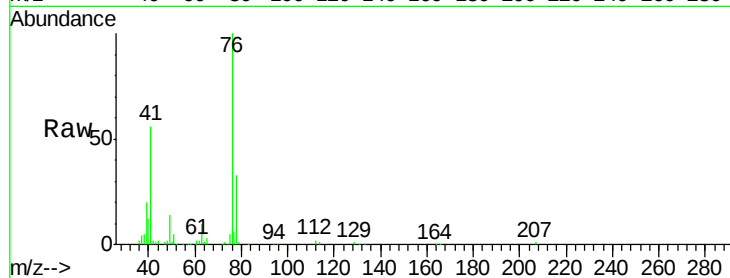
#57
 1,3-Dichloropropane
 Concen: 22.935 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.0	39.0

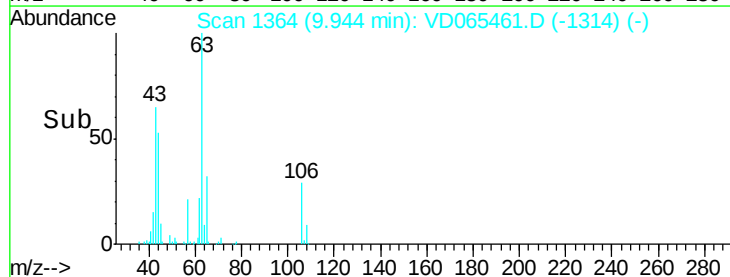
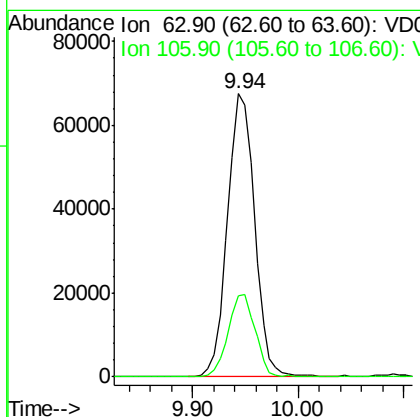
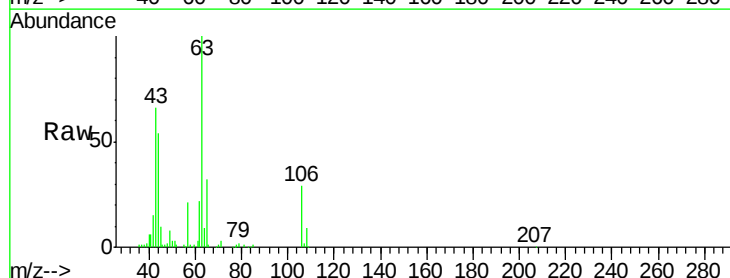
Manual Integrations
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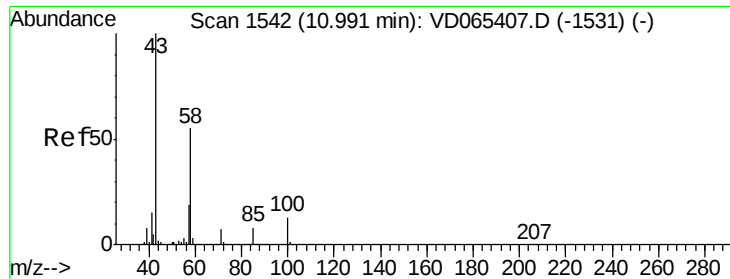
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#58
 2-Chloroethyl Vinyl ether
 Concen: 112.802 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.3	34.9





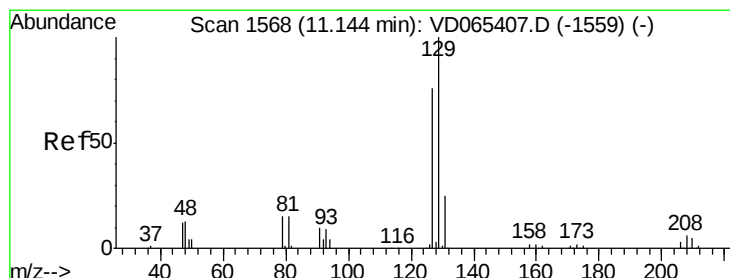
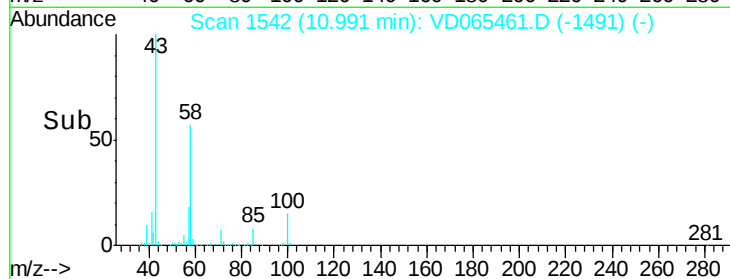
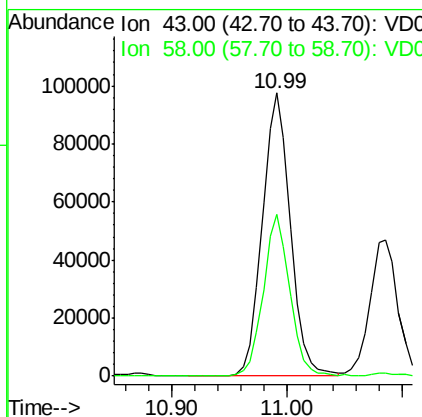
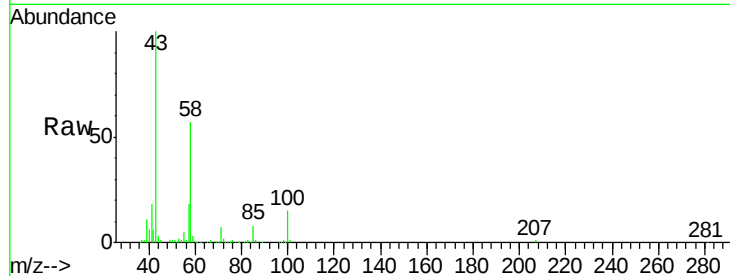
#59
2-Hexanone
Concen: 108.048 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	43	58	Ratio	Lower	Upper
165151	100	54.2		27.4	82.2

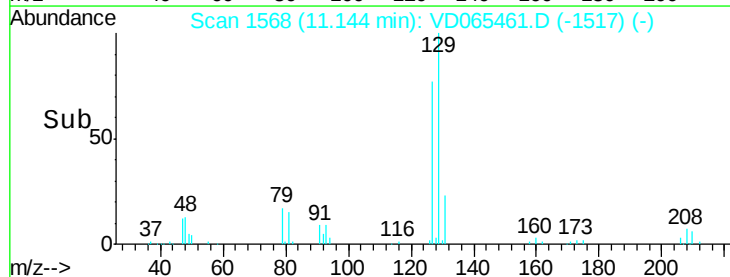
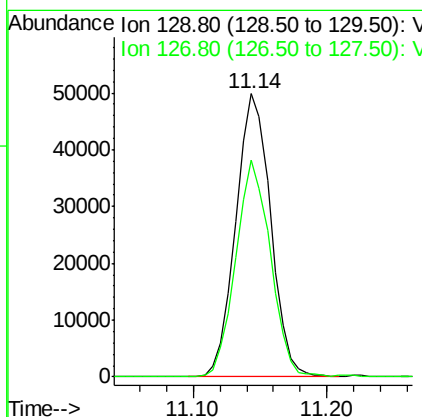
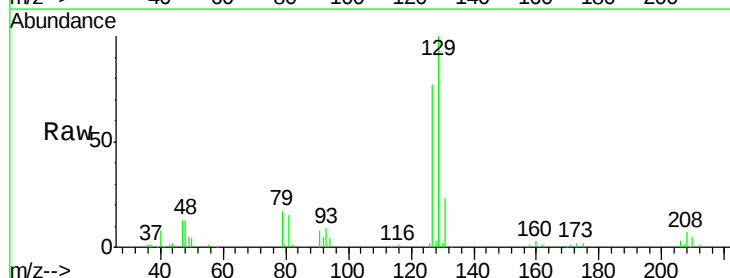
Manual Integrations
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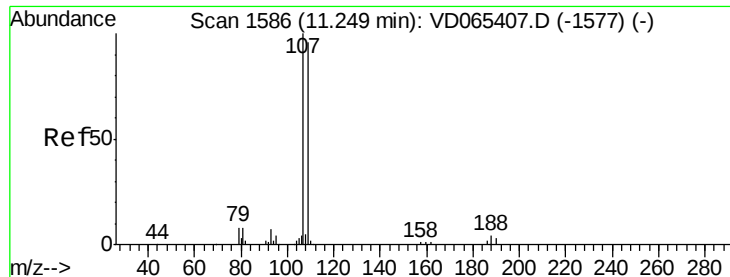
MMDadoda
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#60
Dibromochloromethane
Concen: 22.986 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion	129	127	Ratio	Lower	Upper
90137	100	76.2		38.5	115.5





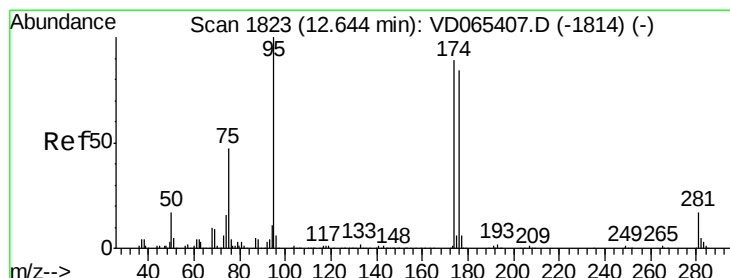
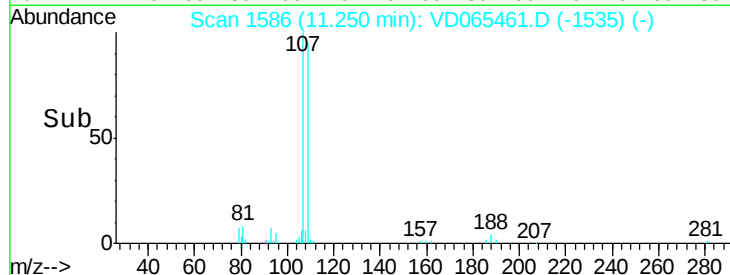
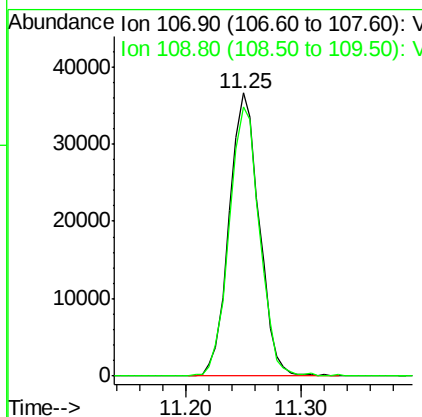
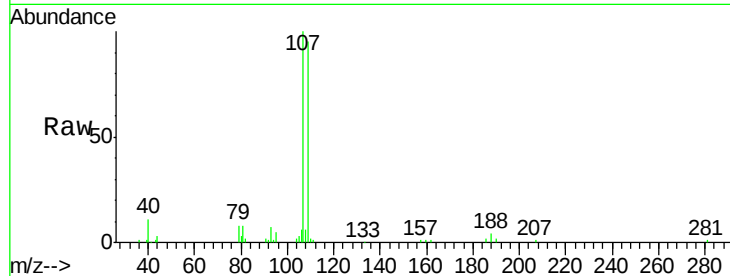
#61
 1,2-Dibromoethane
 Concen: 22.609 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion: 107 Resp: 65972
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.8 115.2

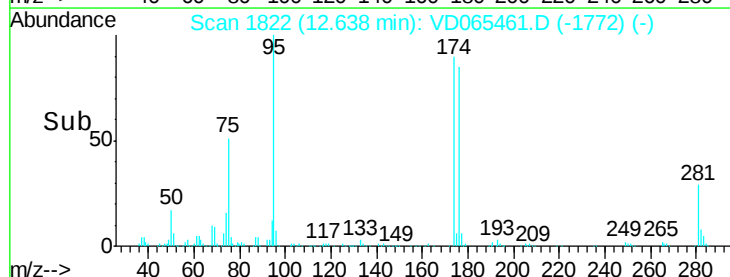
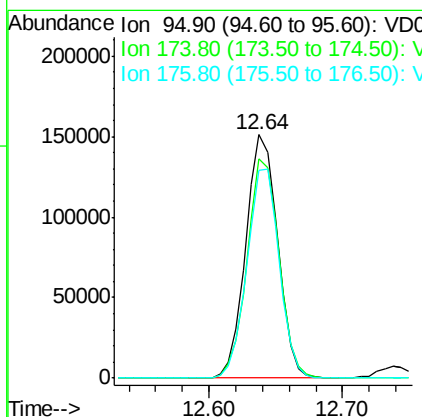
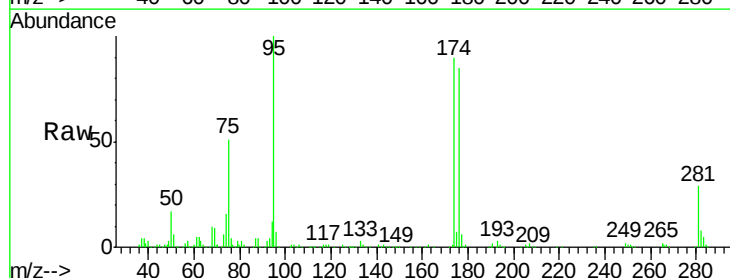
Manual Integrations
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 3/11/2020 3:20:47 PM



#62
 4-Bromofluorobenzene
 Concen: 52.856 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Tgt Ion: 95 Resp: 248291
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 176.8
 176 86.9 0.0 171.4





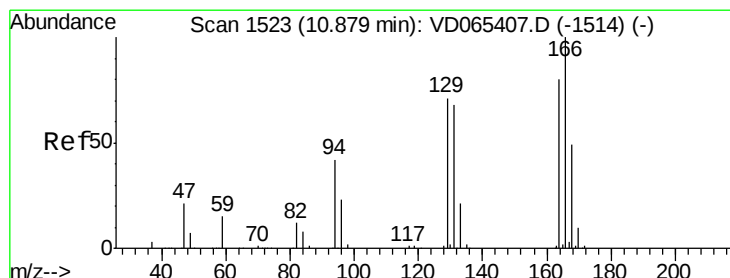
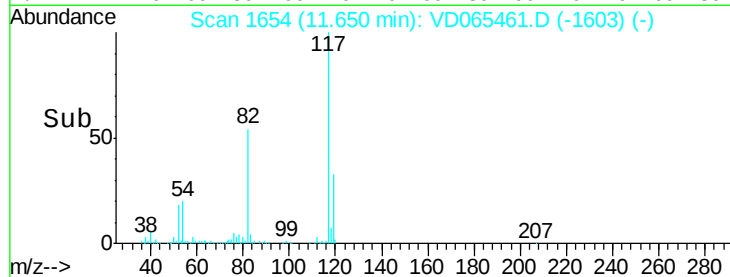
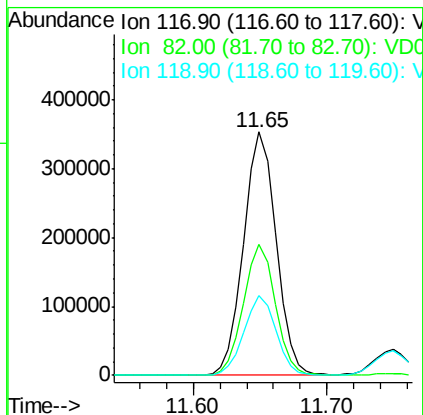
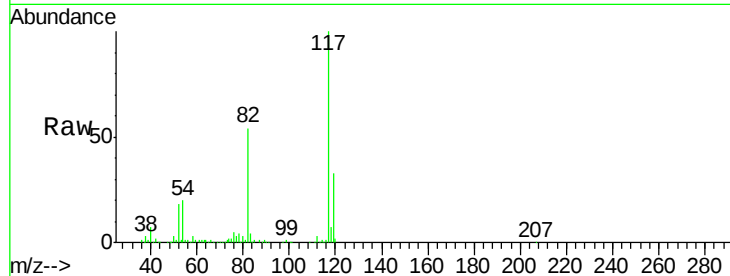
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	53.8	40.6	60.8
119	32.9	25.4	38.2

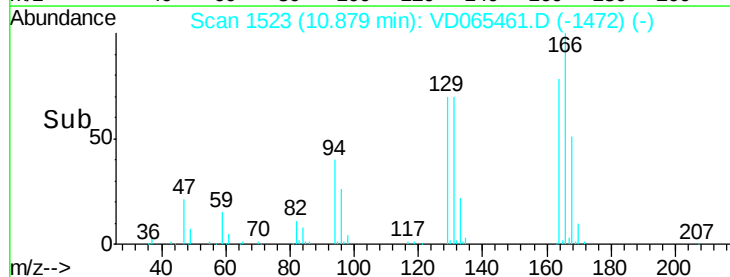
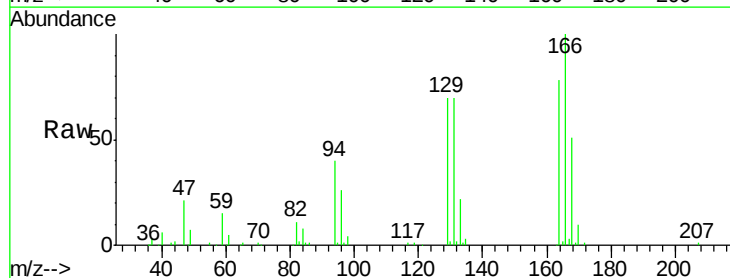
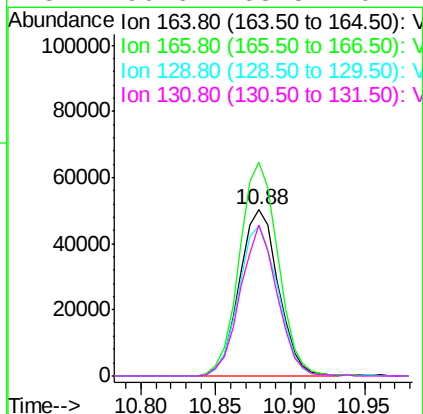
Manual Integrations
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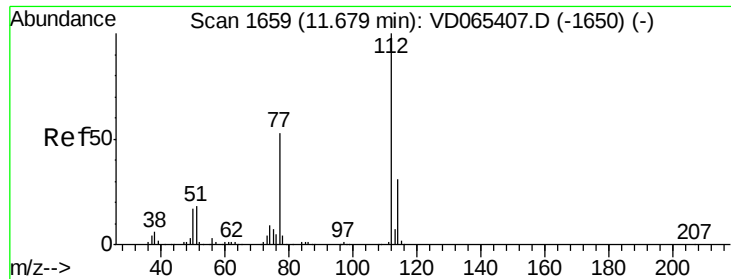
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3/11/2020 3:20:47 PM



#64
Tetrachloroethene
Concen: 21.285 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	128.5	100.5	150.7
129	90.0	71.5	107.3
131	90.6	68.5	102.7





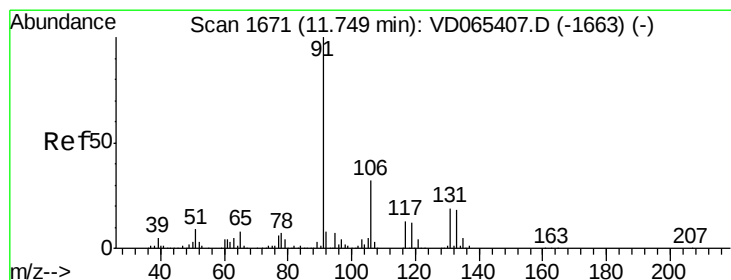
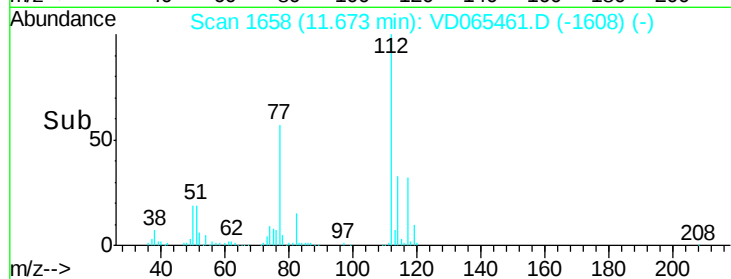
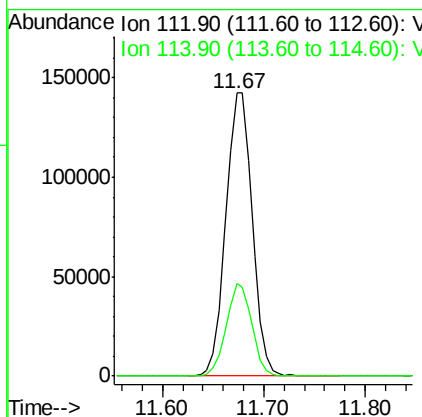
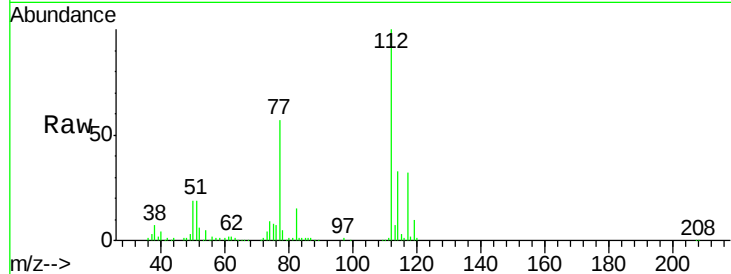
#65
Chlorobenzene
Concen: 21.787 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	24.4	36.6

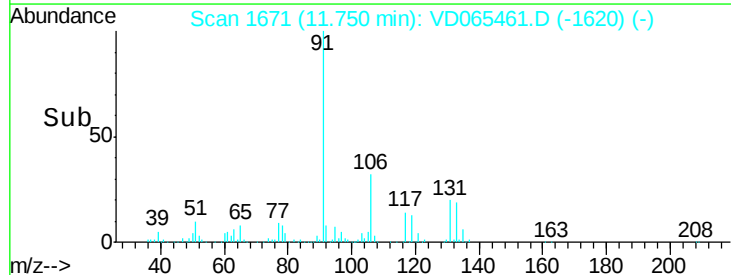
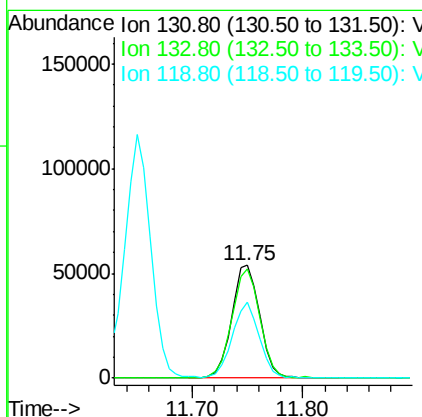
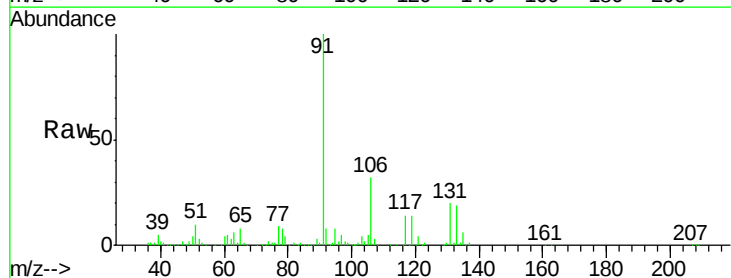
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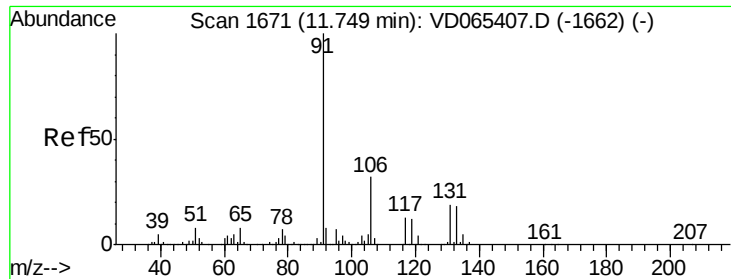
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.257 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	49.2	147.6
119	65.1	33.3	99.8





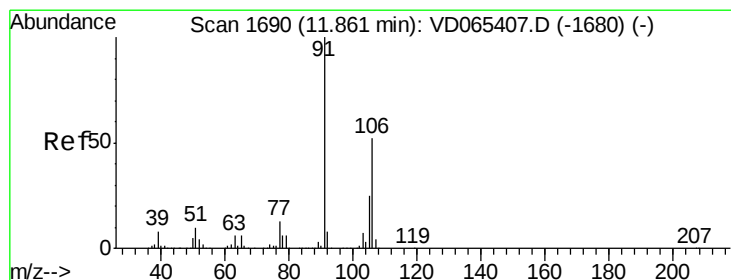
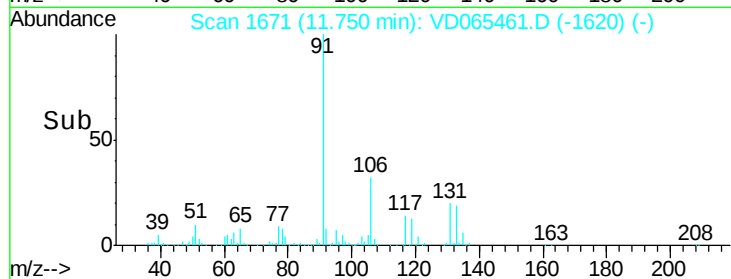
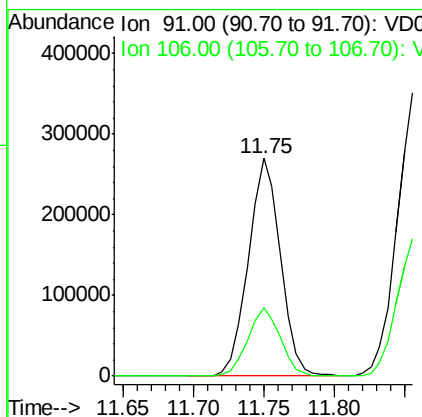
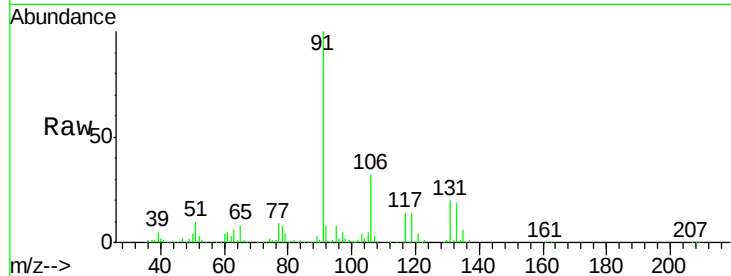
#67
Ethyl Benzene
Concen: 21.147 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion: 91 Resp: 432293
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8

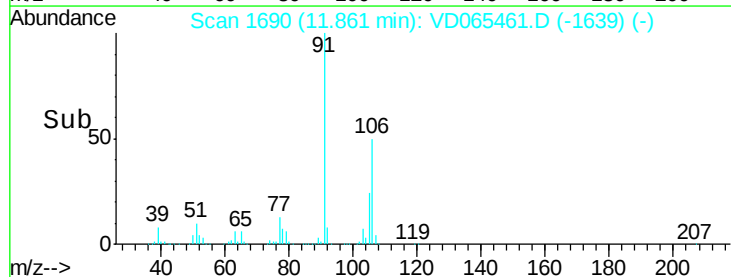
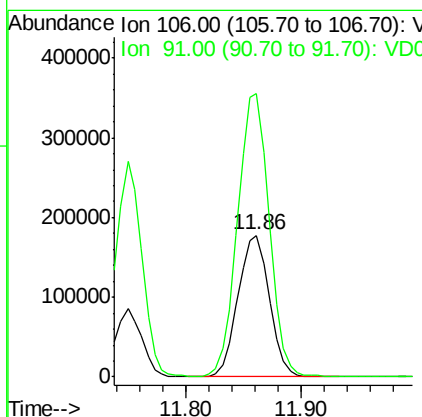
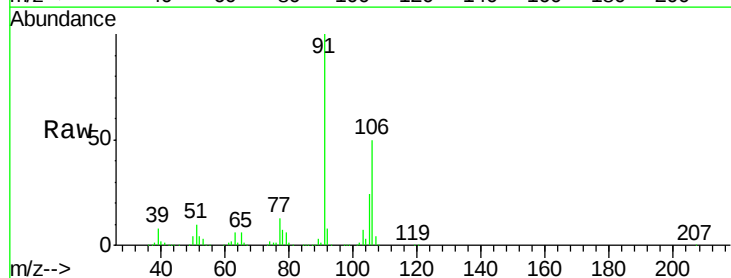
Manual Integrations
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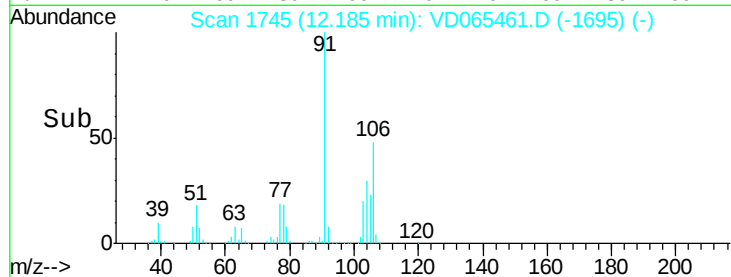
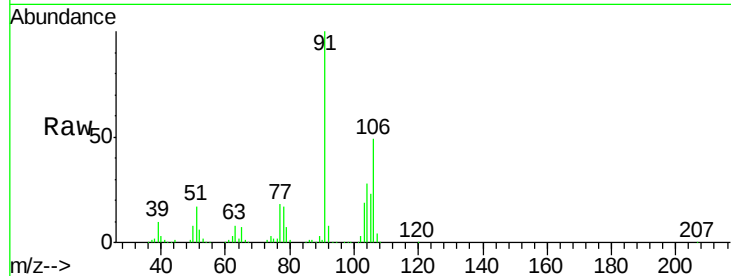
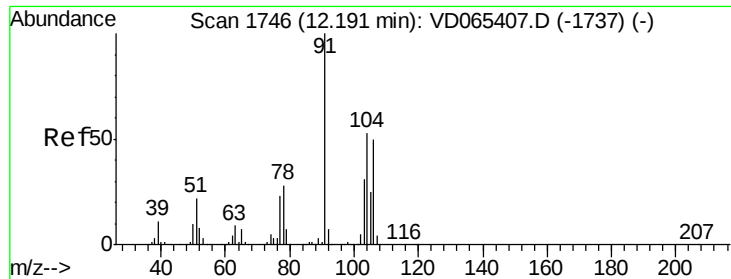
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3/11/2020 3:20:47 PM



#68
m/p-Xylenes
Concen: 42.792 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion: 106 Resp: 337296
Ion Ratio Lower Upper
106 100
91 200.9 155.9 233.9





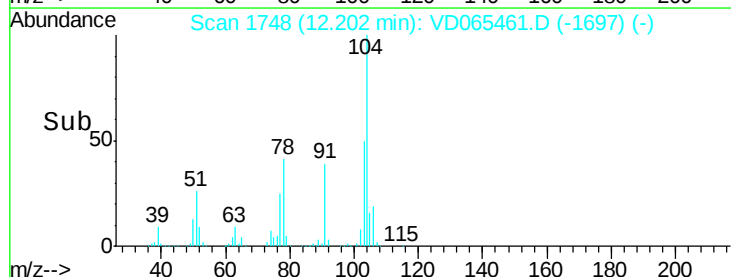
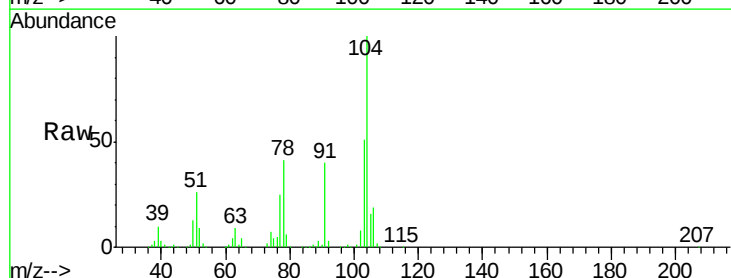
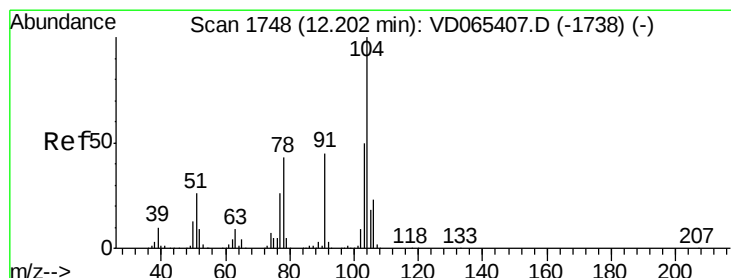
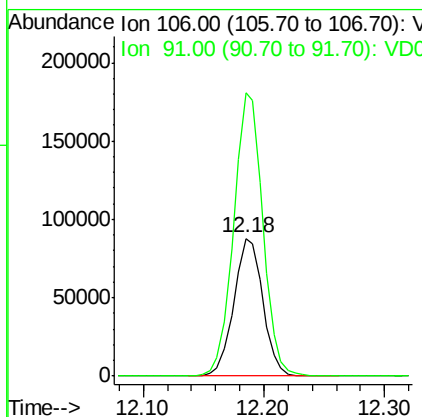
#69
o-Xylene
Concen: 21.263 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tot Ion:106 Resp: 147431
Ion Ratio Lower Upper
106 100
91 205.8 103.5 310.3

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

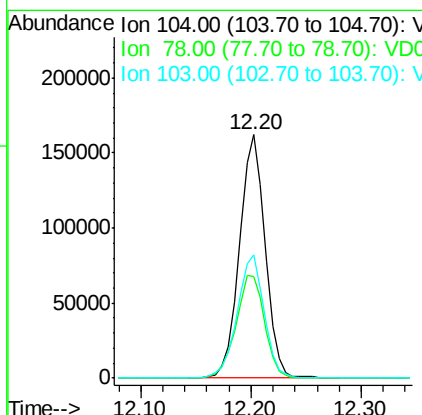
Manual Integrations
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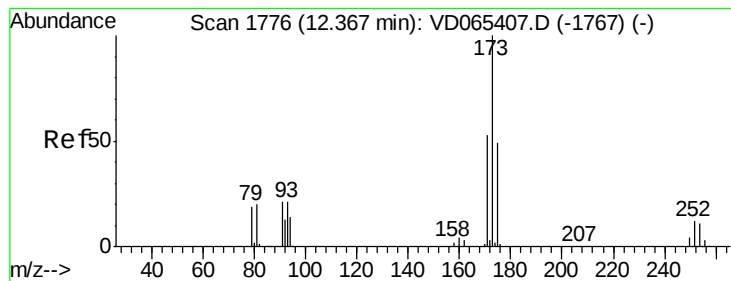
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#70
Styrene
Concen: 21.791 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion:104 Resp: 265907
Ion Ratio Lower Upper
104 100
78 46.9 37.7 56.5
103 53.2 43.6 65.4





#71

Bromoform

Concen: 22.390 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

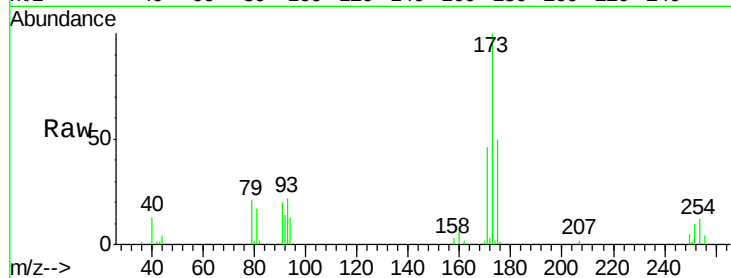
ClientSampleId :

VD0310SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	73.0
254	0.0	0.1	0.1

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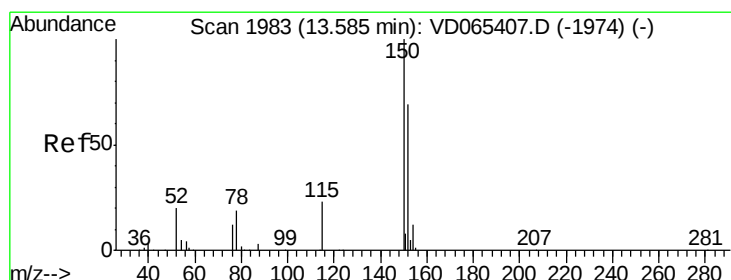
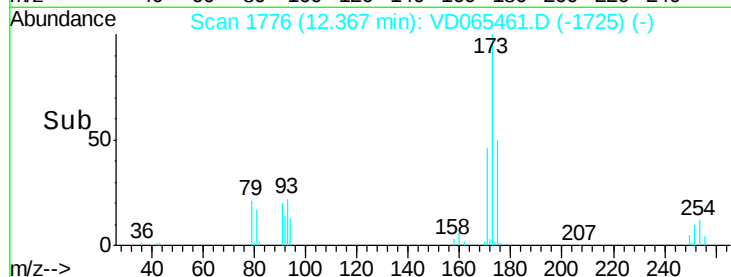
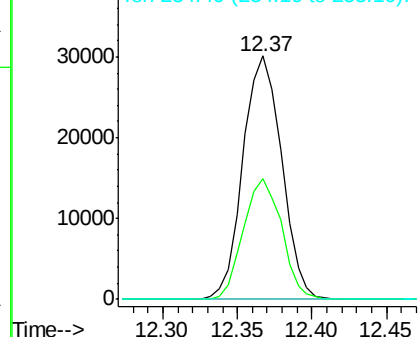


Abundance

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

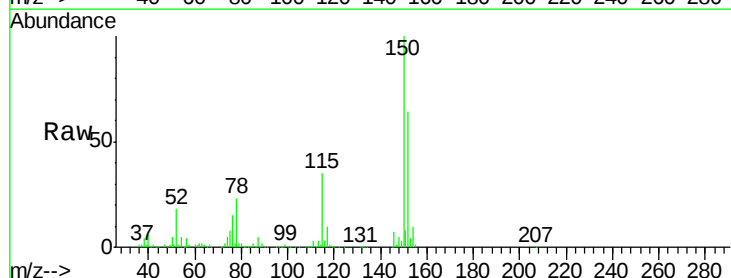
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.6	82.8
150	164.5	0.0	345.0

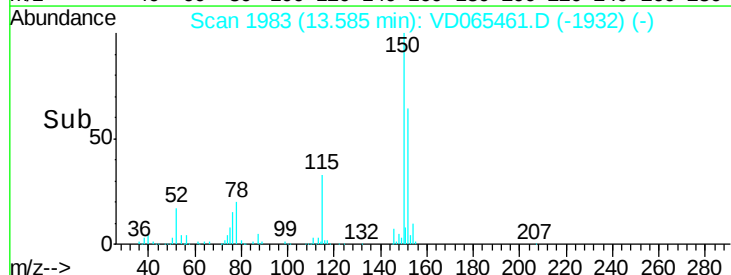
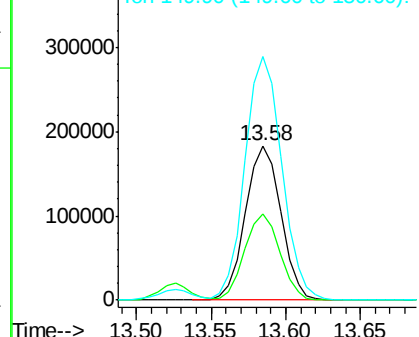


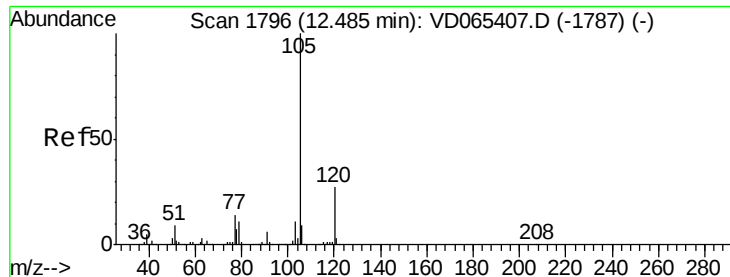
Abundance

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: 20.207 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion: 105 Resp: 400192

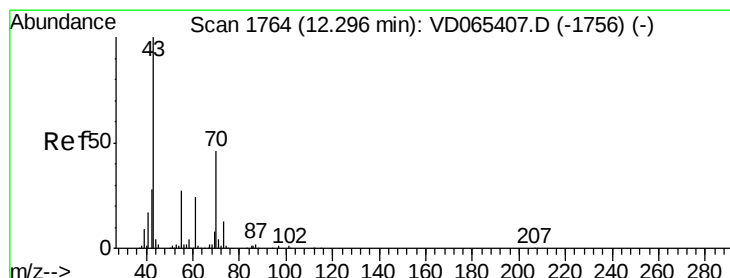
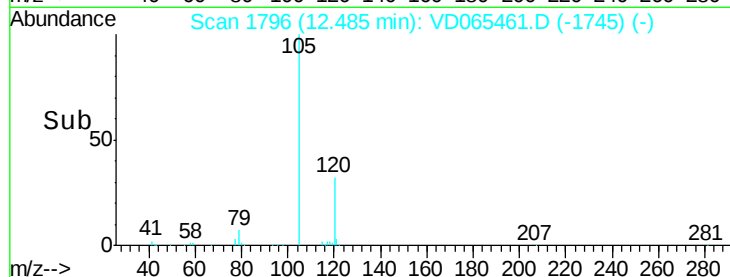
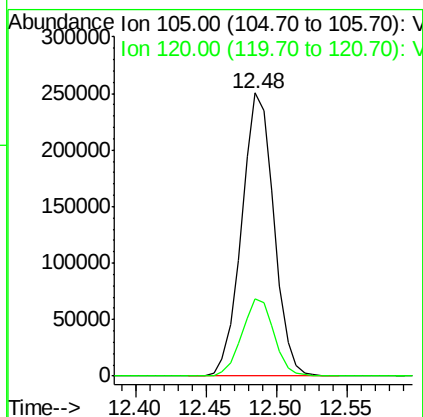
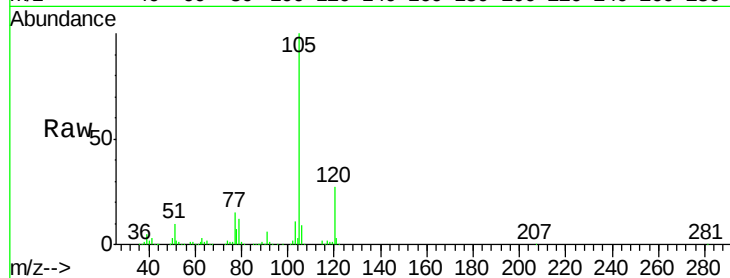
Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.4

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#74

N-ethyl acetate

Concen: 20.329 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Tgt Ion: 43 Resp: 82422

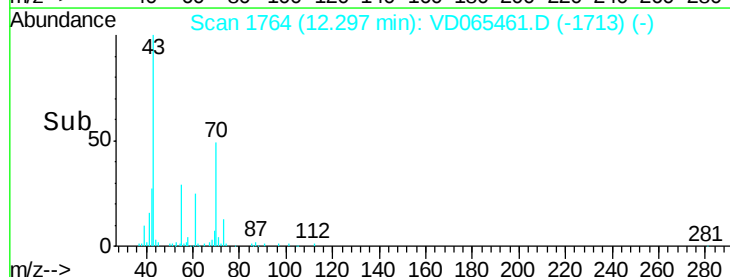
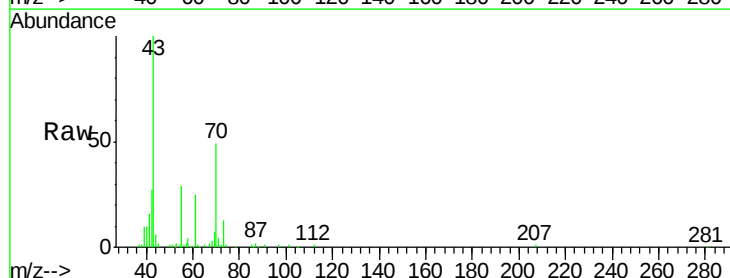
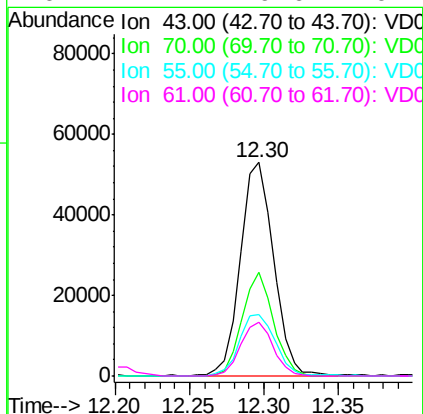
Ion Ratio Lower Upper

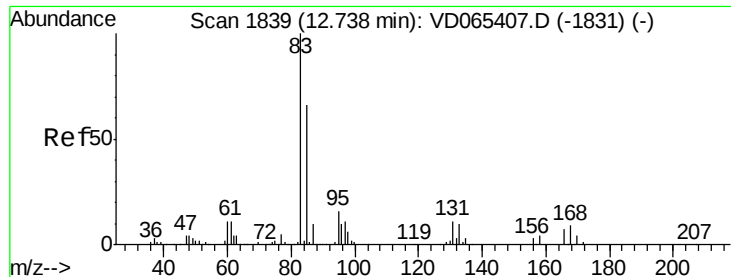
43 100

70 45.6 36.1 54.1

55 31.2 21.6 32.4

61 24.4 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.211 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

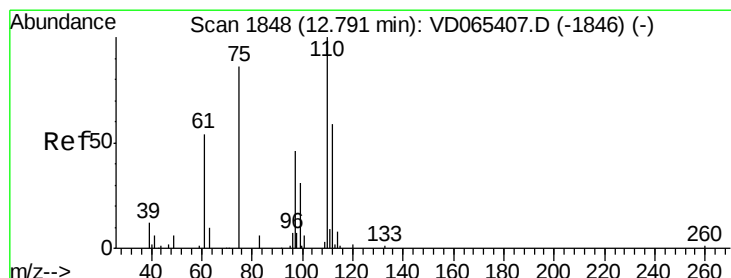
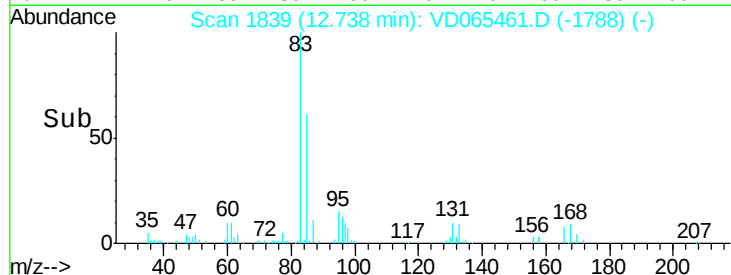
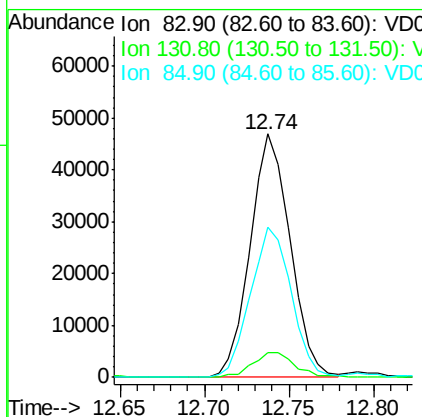
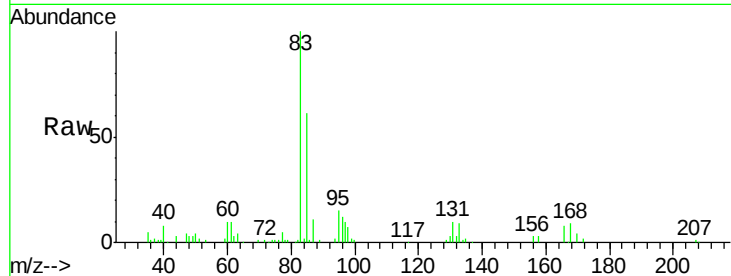
ClientSampleId :

VD0310SBS01

Tot Ion:	83	Resp:	77318
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	62.8	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 21.238 ug/l m

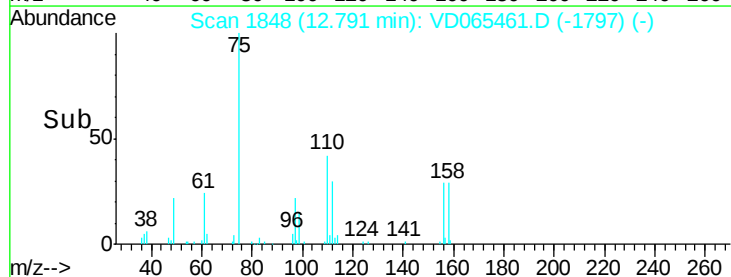
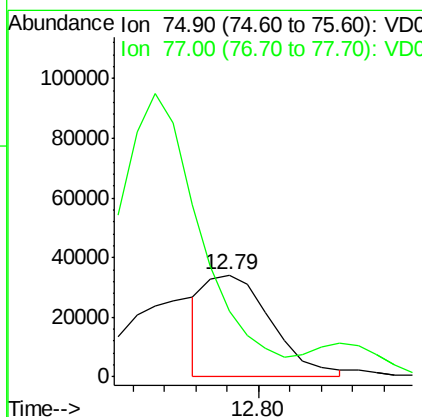
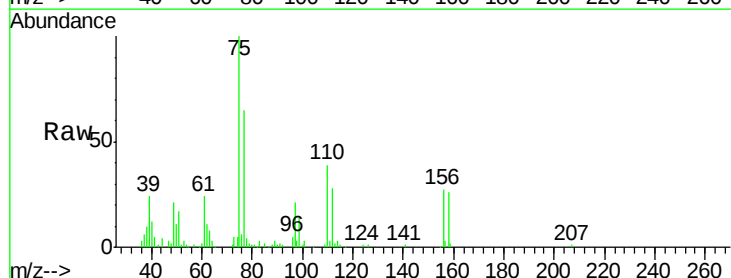
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Tgt Ion:	75	Resp:	50459
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





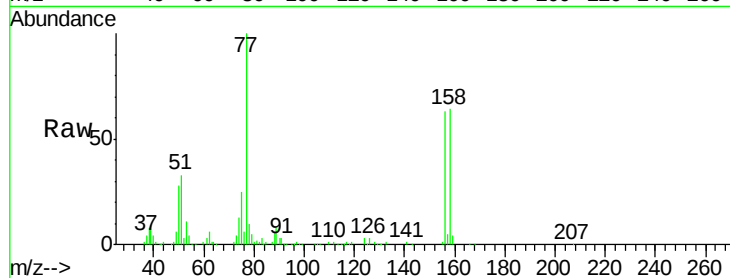
#77
Bromobenzene
Concen: 21.534 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

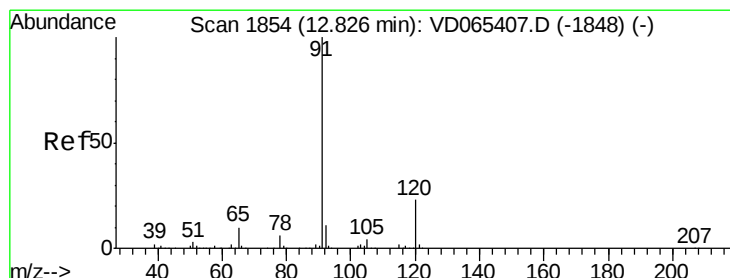
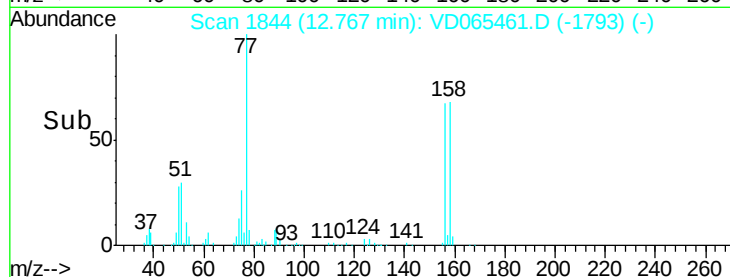
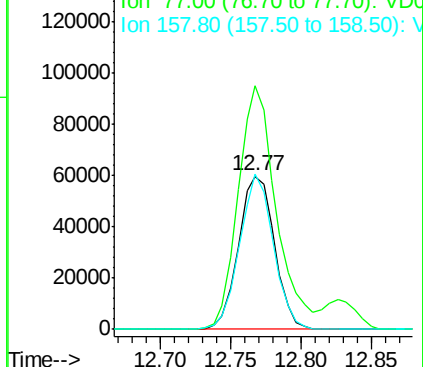
Tot Ion	Ratio	Lower	Upper
156	100		
77	168.0	84.9	254.6
158	95.7	49.0	147.2

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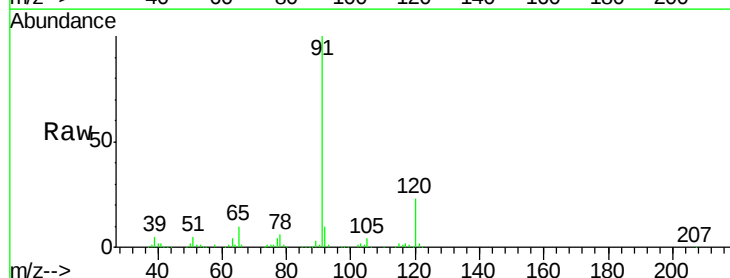


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

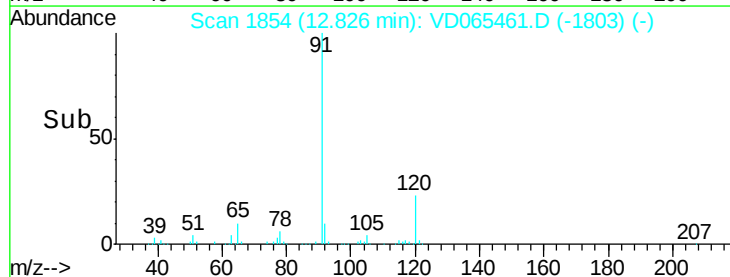
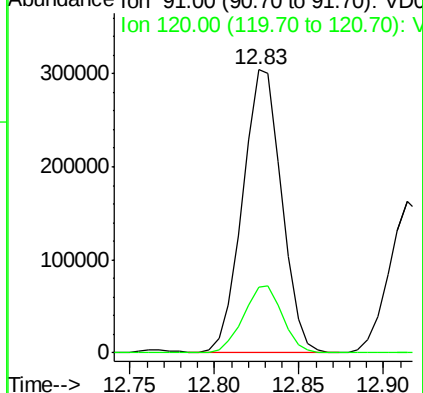


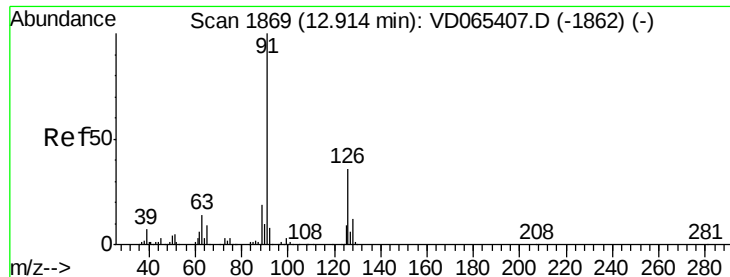
#78
n-propylbenzene
Concen: 20.818 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	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: 20.838 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBS01

Tot Ion: 91 Resp: 275956

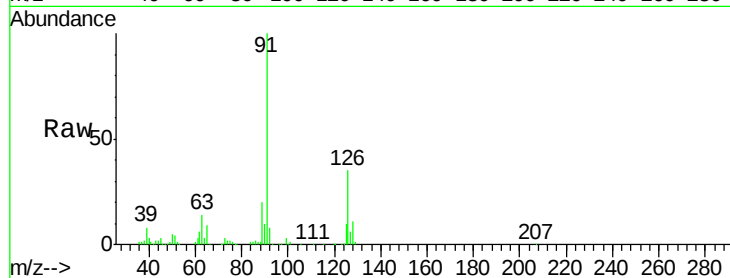
Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.8

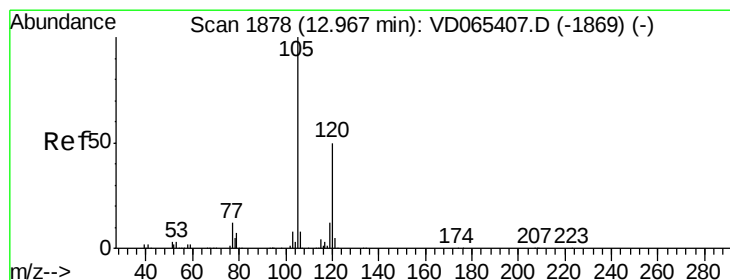
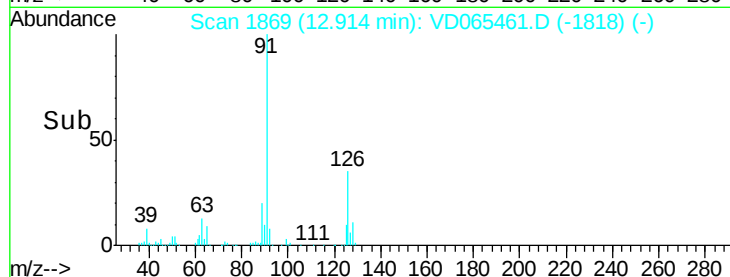
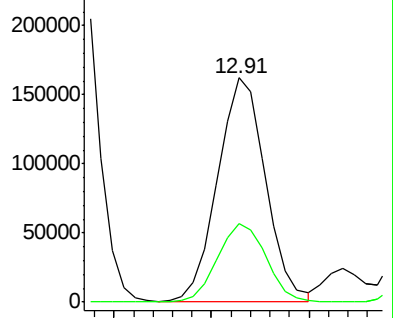
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Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1862) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 21.097 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065461.D

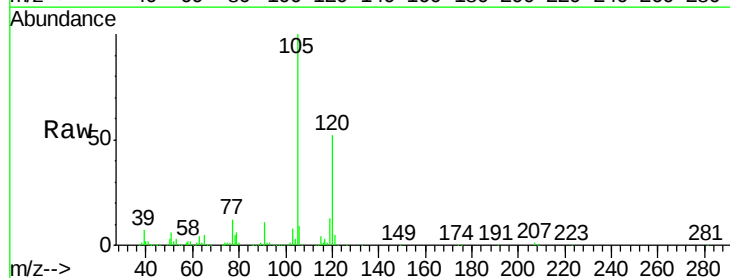
Acq: 10 Mar 2020 13:31

Tgt Ion: 105 Resp: 343492

Ion Ratio Lower Upper

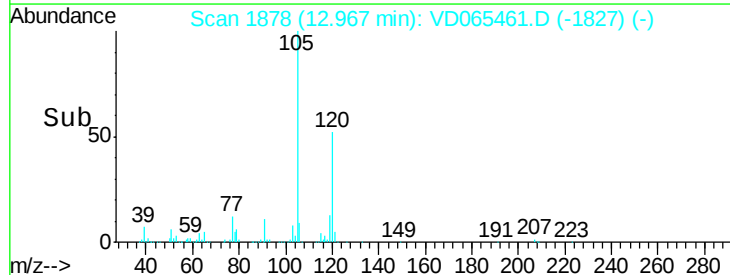
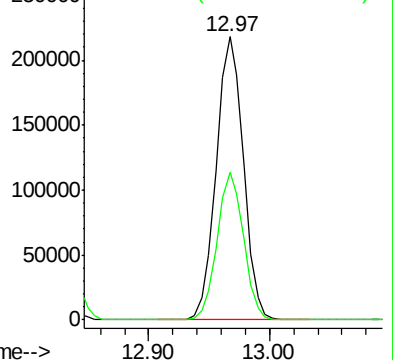
105 100

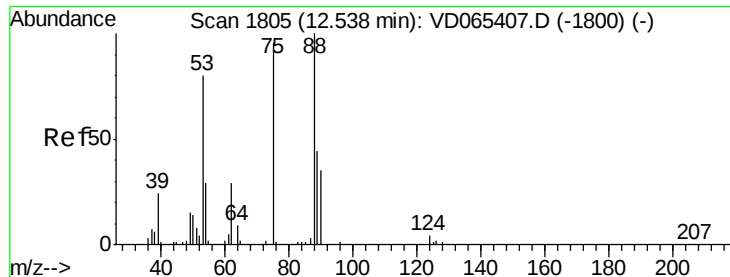
120 50.7 25.4 76.0



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 21.134 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

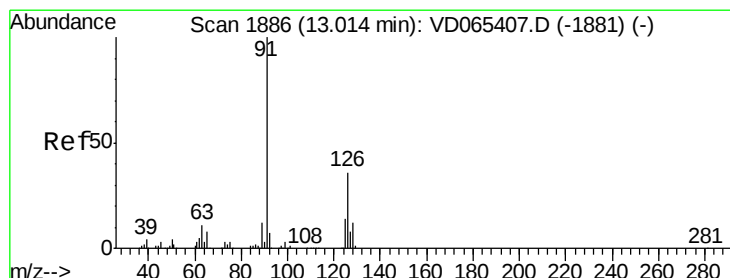
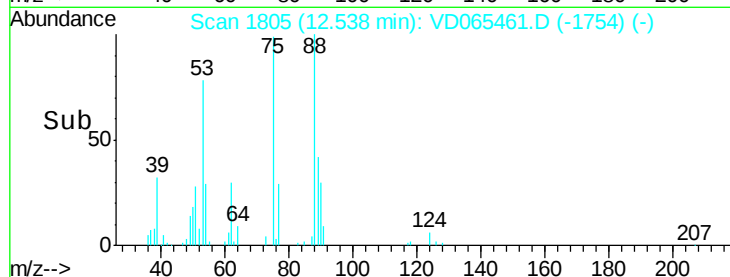
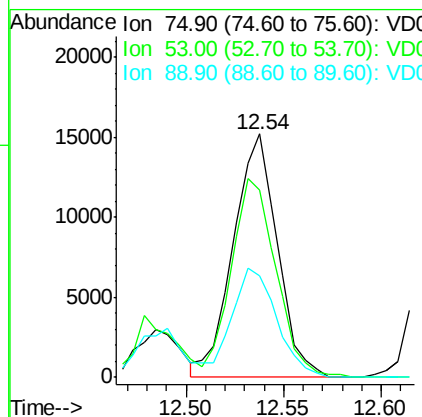
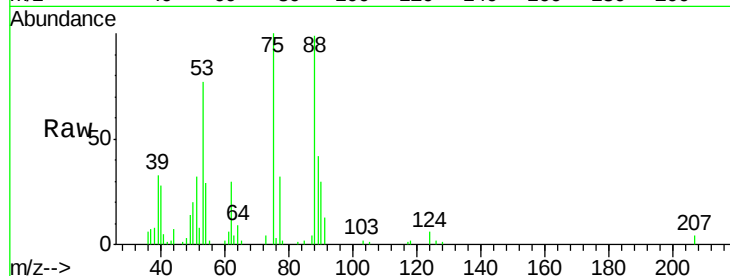
ClientSampleId :

VD0310SBS01

Tot Ion:	75	Resp:	23794
Ion	Ratio	Lower	Upper
75	100		
53	82.9	71.3	106.9
89	44.4	37.0	55.6

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#82

4-Chlorotoluene

Concen: 21.403 ug/l

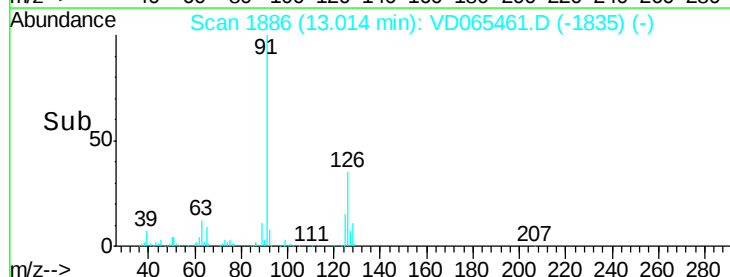
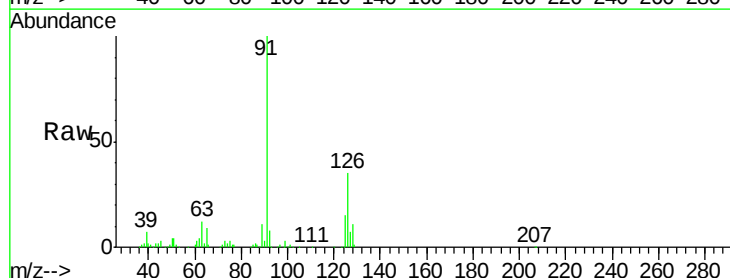
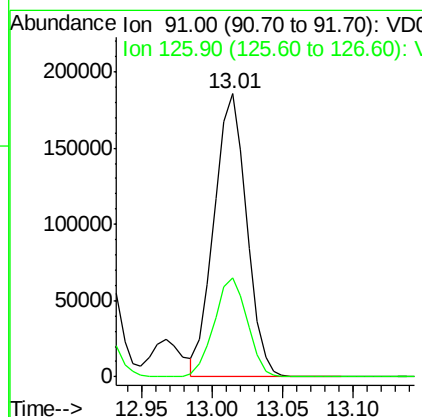
RT: 13.01 min Scan# 1886

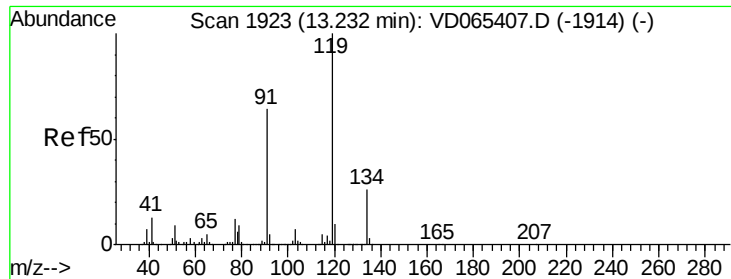
Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Tgt Ion:	91	Resp:	297841
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.6	52.8





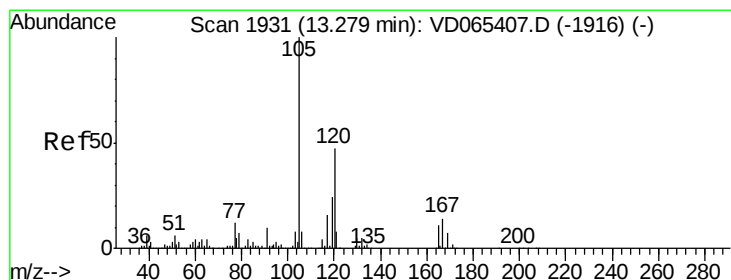
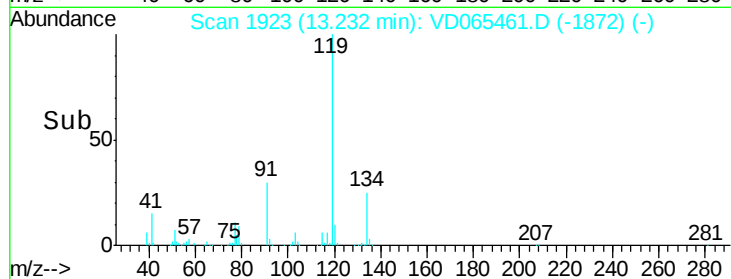
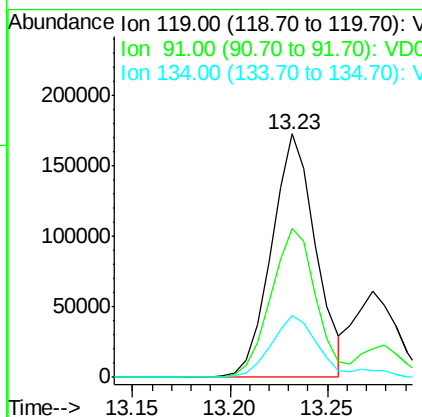
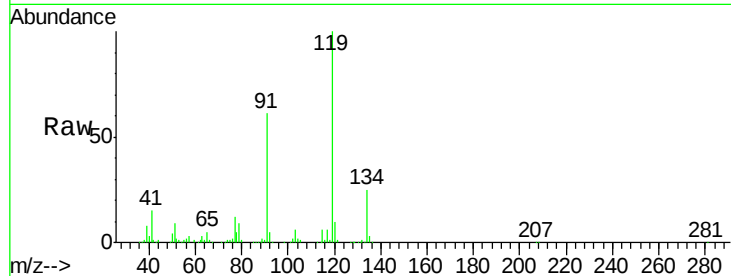
#83
 tert-Butylbenzene
 Concen: 19.632 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.6	95.0
134	26.2	14.2	42.8

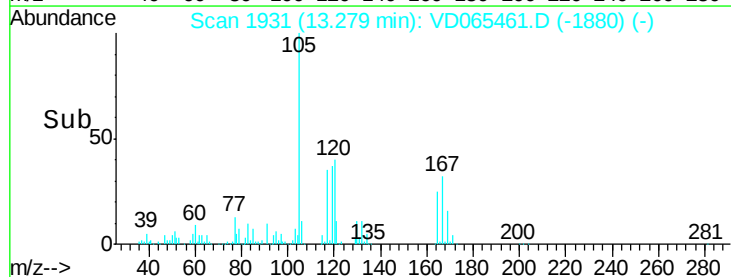
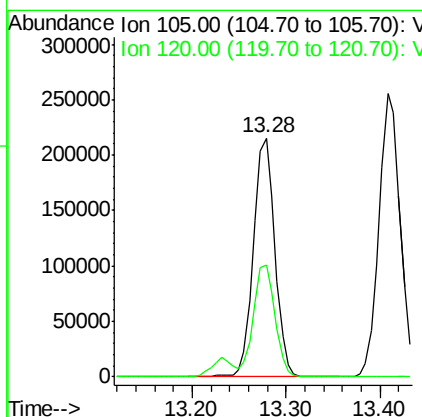
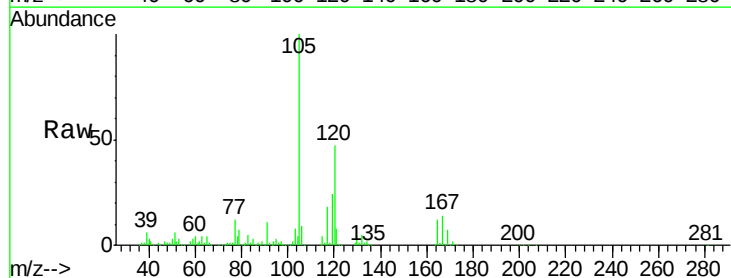
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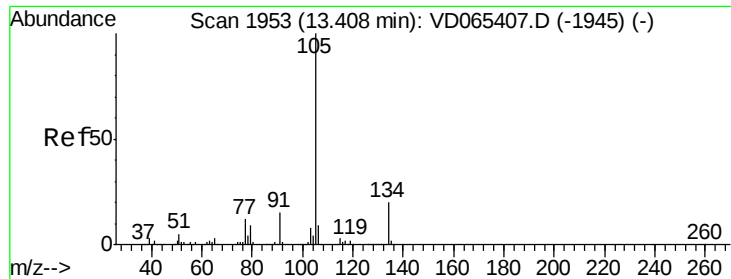
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.280 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.4	70.3





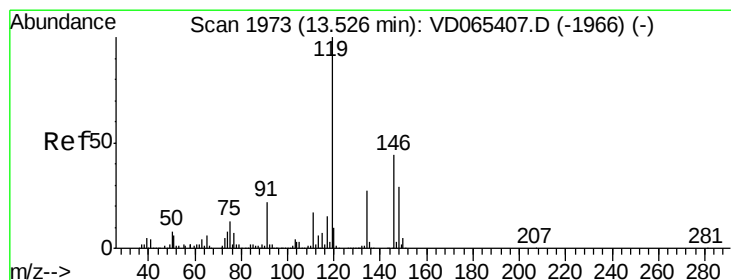
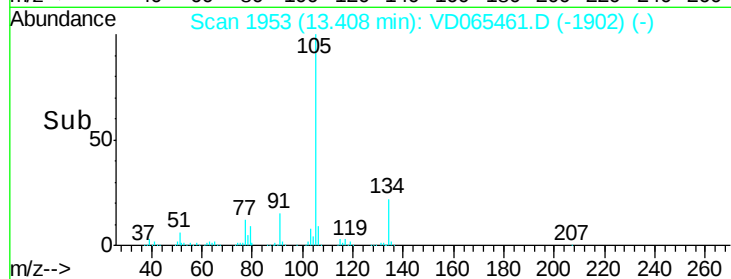
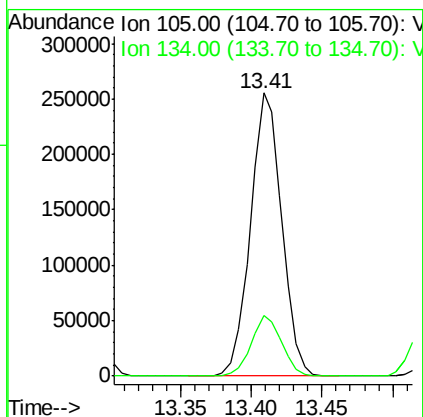
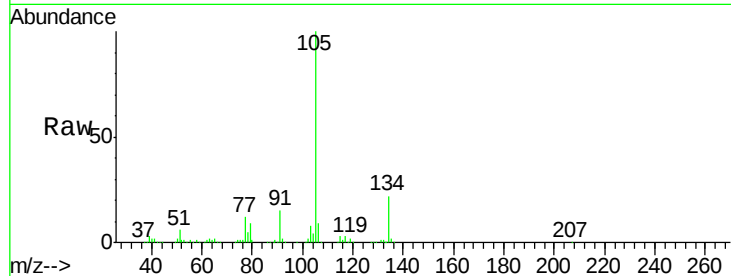
#85
 sec-Butylbenzene
 Concen: 20.240 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.3	30.9

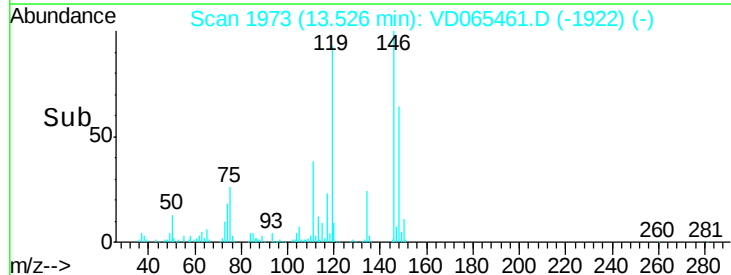
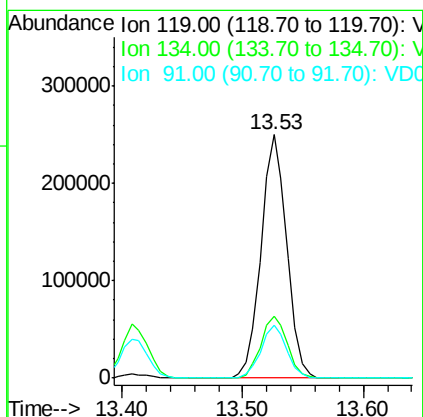
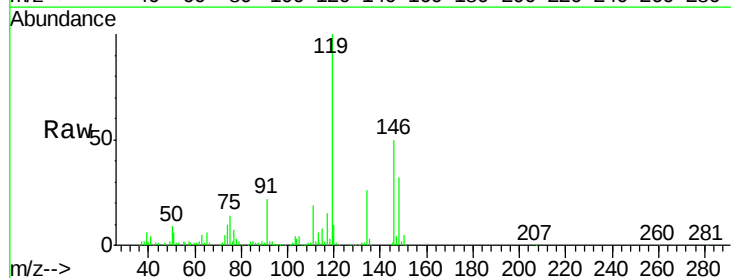
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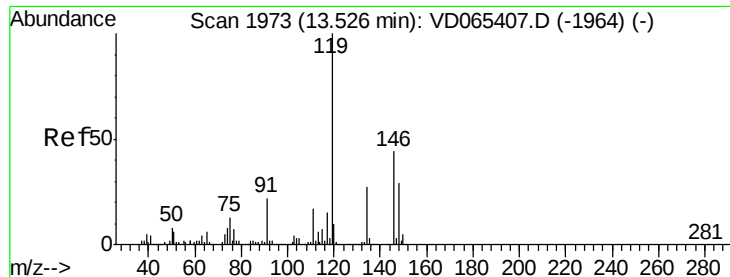
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#86
 p-Isopropyltoluene
 Concen: 20.656 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.9
91	21.5	10.9	32.6





#87

1,3-Dichlorobenzene

Concen: 21.450 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

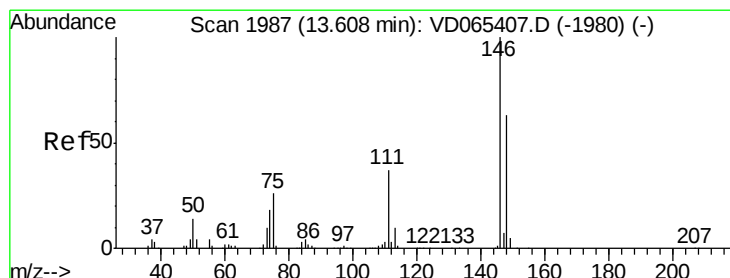
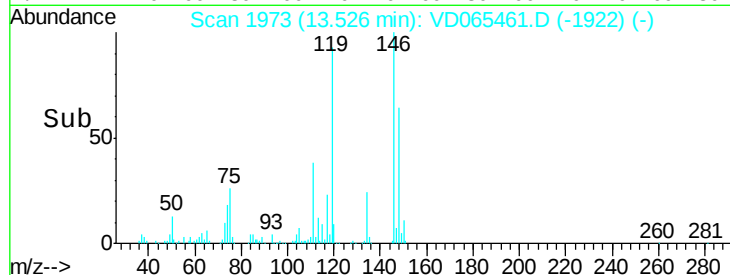
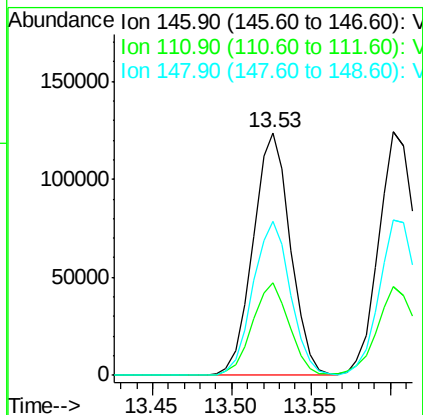
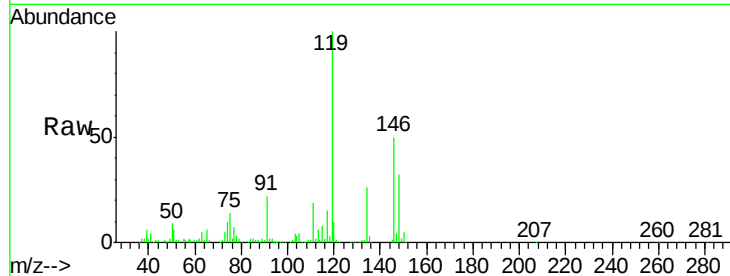
ClientSampleId :

VD0310SBS01

Tot Ion:	146	Resp:	202907
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.1	57.1
148	63.9	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 21.487 ug/l

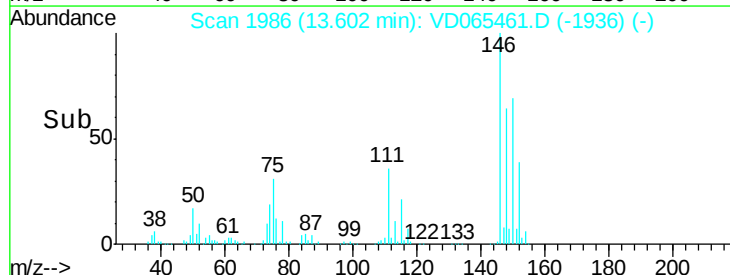
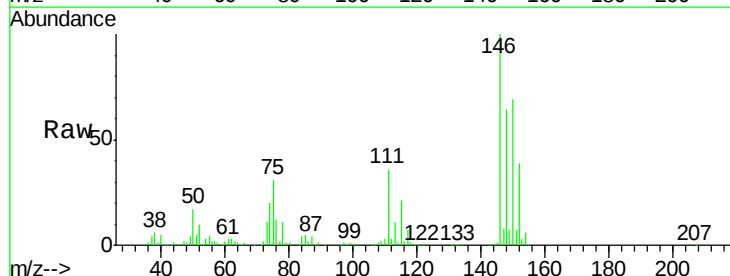
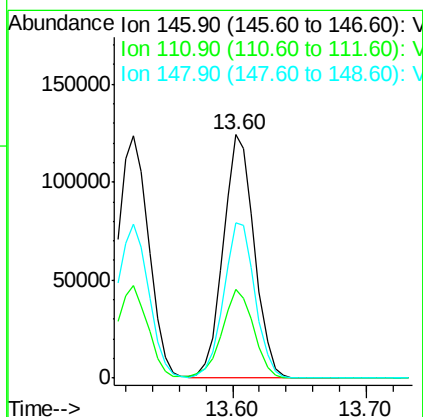
RT: 13.60 min Scan# 1986

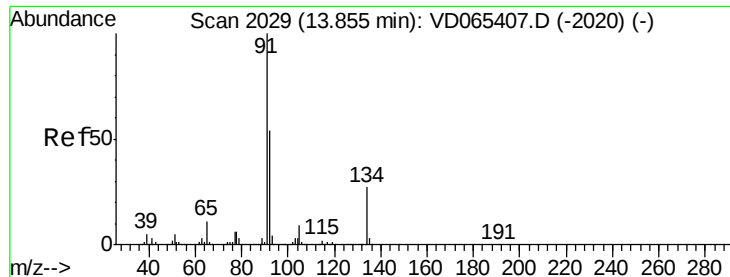
Delta R.T. -0.01 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Tgt Ion:	146	Resp:	202192
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.5	55.5
148	64.6	32.0	96.0





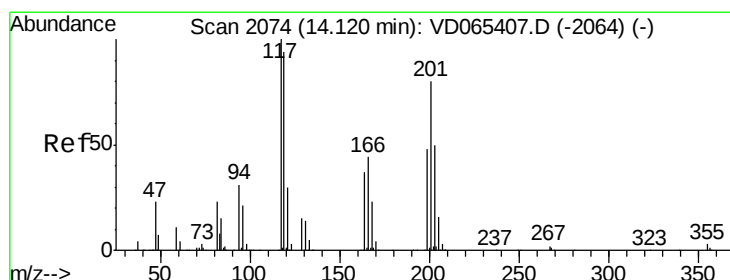
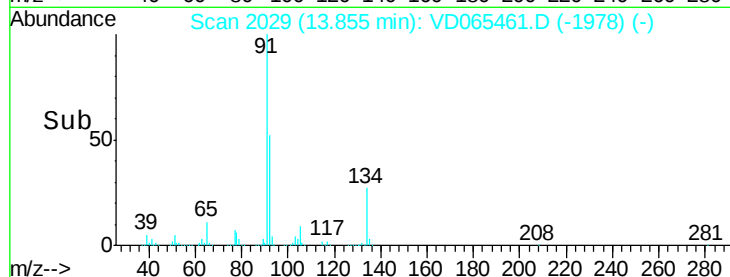
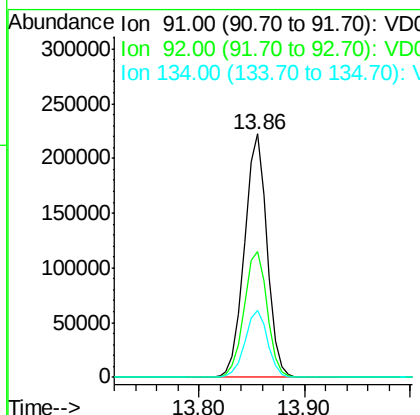
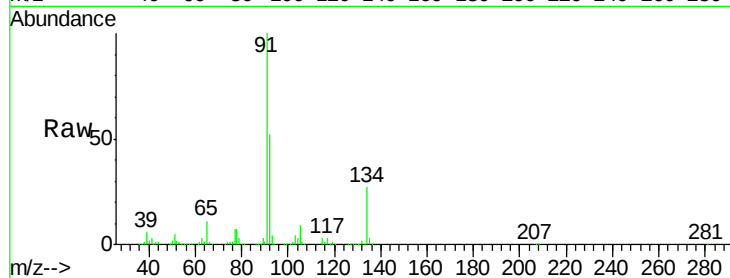
#89
n-Butylbenzene
Concen: 19.857 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	27.5	13.4	40.2

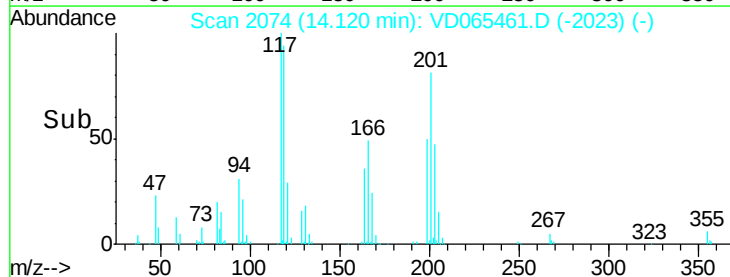
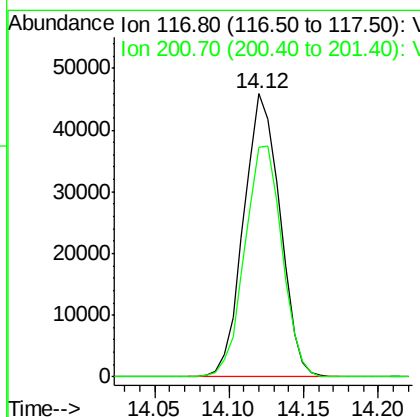
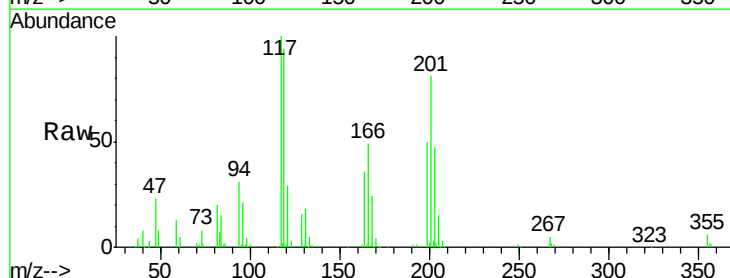
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3/11/2020 3:20:47 PM



#90
Hexachloroethane
Concen: 20.919 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065461.D
Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	41.9	125.6





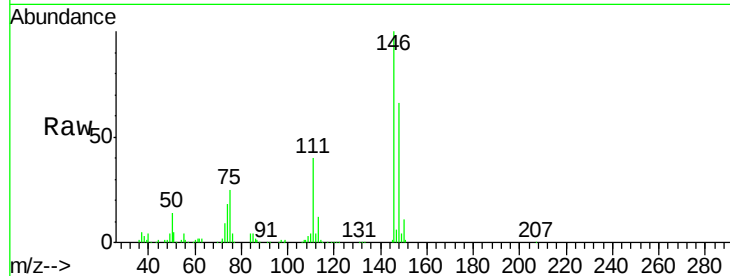
#91
 1,2-Dichlorobenzene
 Concen: 21.752 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

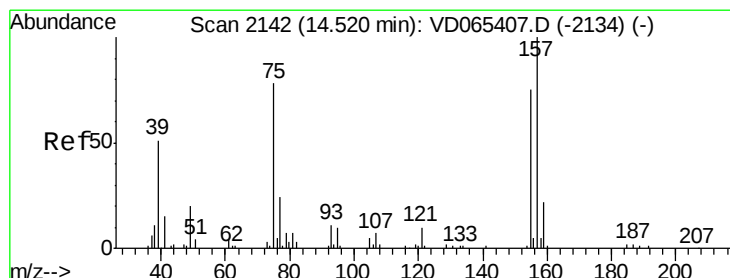
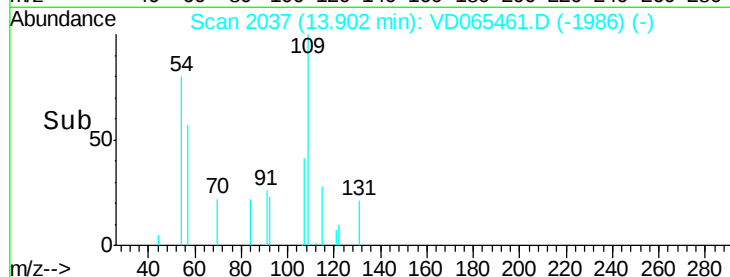
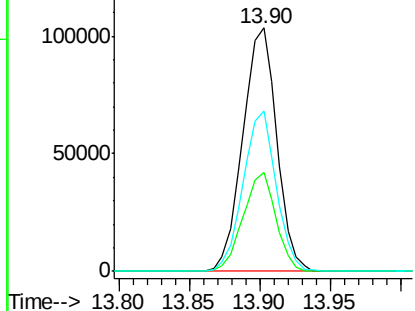
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	63.9	32.6	97.8

Manual Integrations
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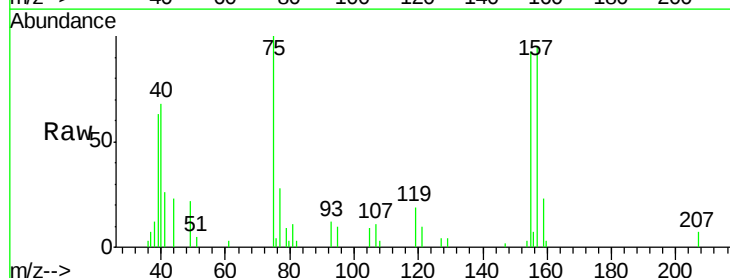


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

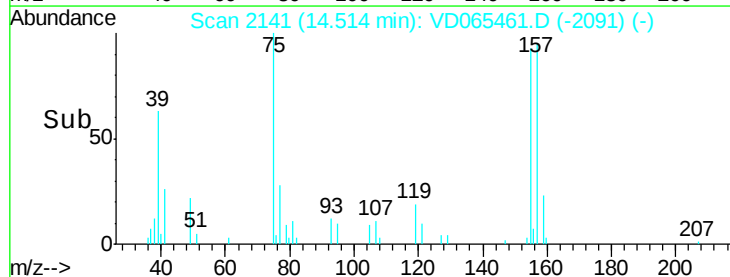
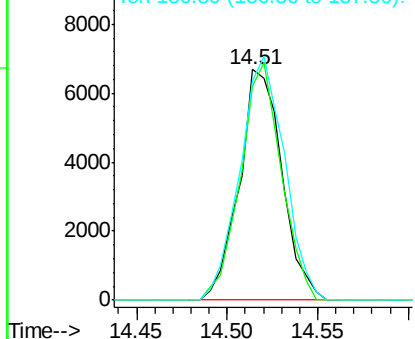


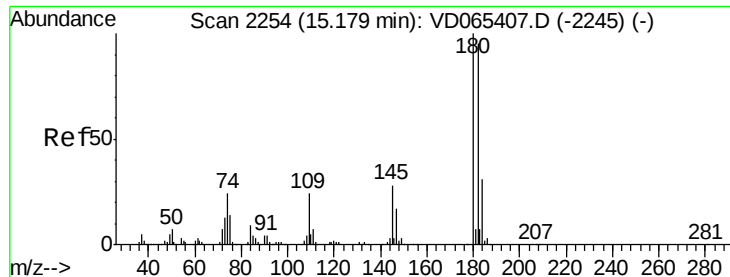
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.716 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	46.4	139.1
157	109.8	60.2	180.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





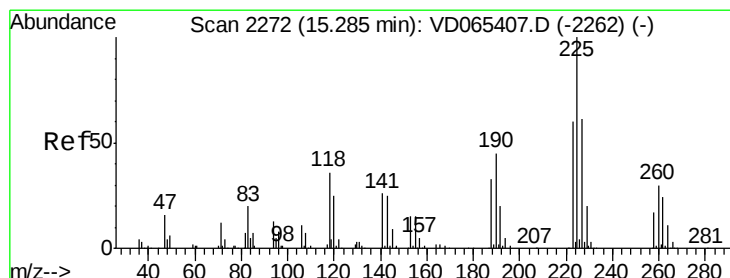
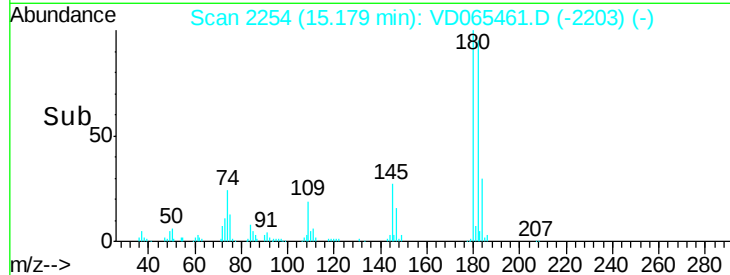
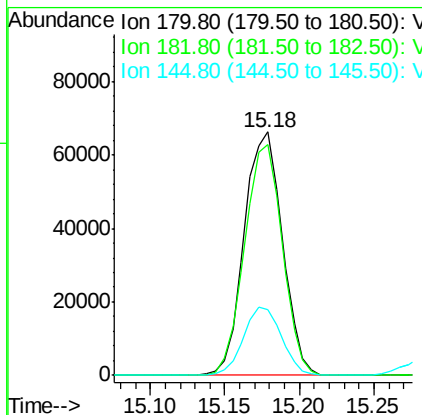
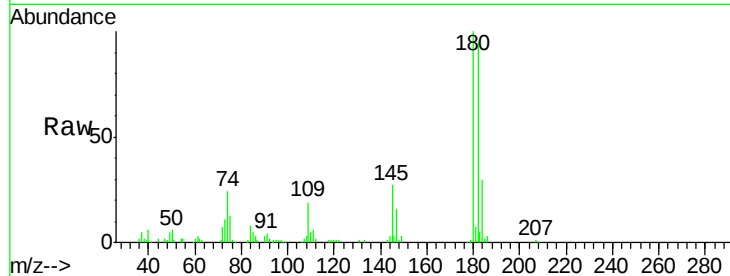
#93
 1,2,4-Trichlorobenzene
 Concen: 21.515 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117387		
182	93.8	48.3	144.9	
145	27.7	14.4	43.4	

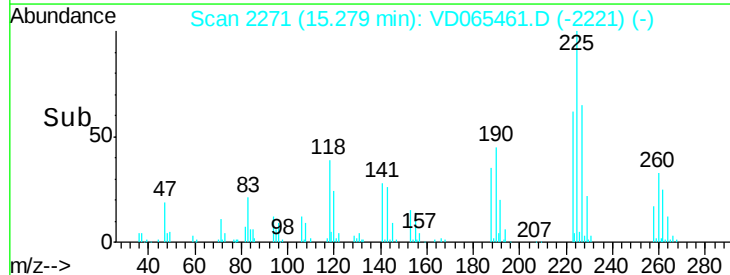
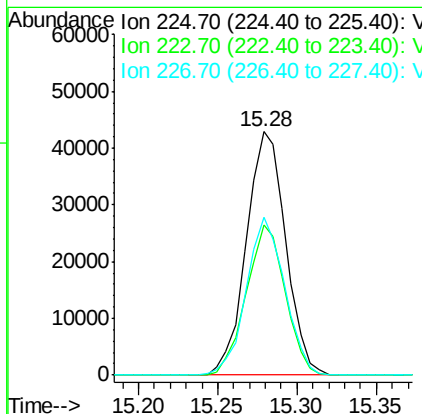
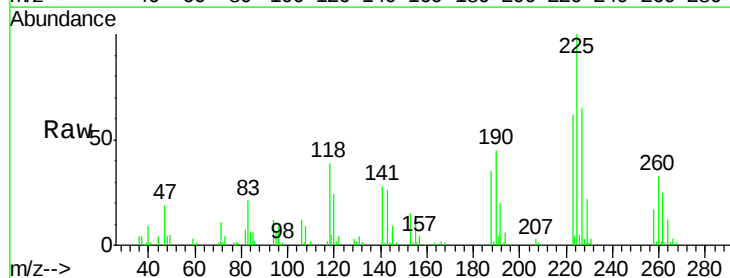
Manual Integrations
 APPROVED

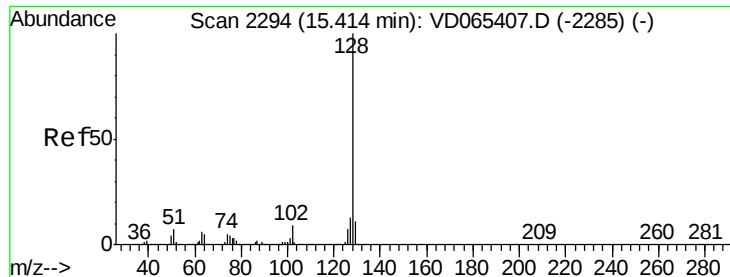
MMDadoda
 3/11/2020 3:20:47 PM



#94
 Hexachlorobutadiene
 Concen: 20.647 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065461.D
 Acq: 10 Mar 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74020		
223	61.1	30.9	92.5	
227	63.0	31.6	94.7	





#95

Naphthalene

Concen: 20.819 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Instrument :

MSVOA_D

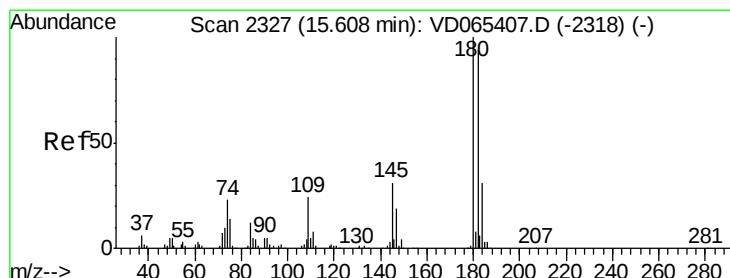
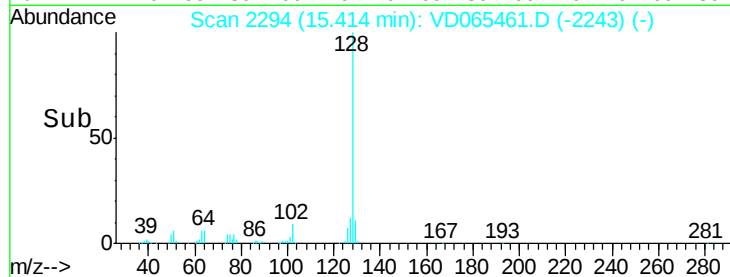
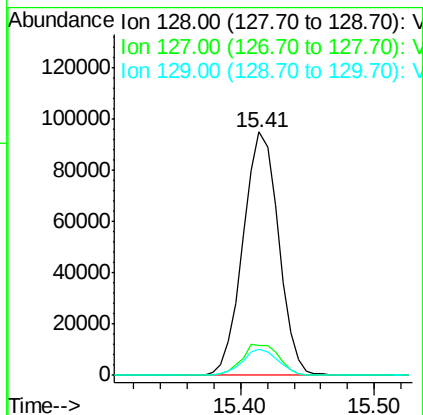
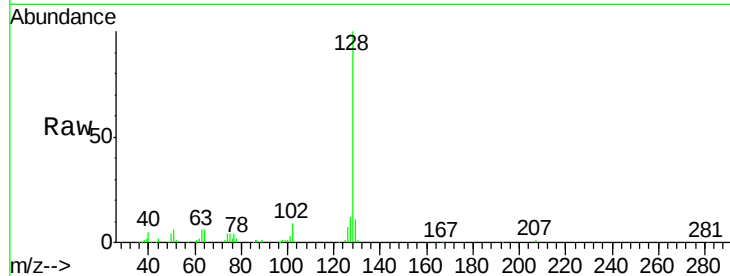
ClientSampleId :

VD0310SBS01

Tot Ion:	128	Resp:	175020
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	16.0
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:20:47 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.175 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065461.D

Acq: 10 Mar 2020 13:31

Tgt Ion:	180	Resp:	99837
Ion Ratio	Lower	Upper	
180	100		
182	96.8	46.9	140.6
145	31.2	15.0	45.1

