

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065220.D
 Acq On : 18 Feb 2020 15:51
 Operator : VA/SY
 Sample : VD0218SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Manual Integrations
 APPROVED

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 2/19/2020 1:44:25 PM

Quant Time: Feb 19 03:45:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	457936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	699060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	630861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	214164	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
35) Dibromofluoromethane	7.92	113	221289	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.34	98	874964	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
62) 4-Bromofluorobenzene	12.64	95	275397	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	73716	19.192	ug/l 99
3) Chloromethane	2.21	50	104567	21.389	ug/l 98
4) Vinyl Chloride	2.35	62	103406	20.801	ug/l 100
5) Bromomethane	2.76	94	68070	22.647	ug/l 98
6) Chloroethane	2.92	64	65481	21.579	ug/l 93
7) Trichlorofluoromethane	3.27	101	153092	21.510	ug/l 98
8) Diethyl Ether	3.71	74	44905	20.902	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97846	21.770	ug/l 98
10) Methyl Iodide	4.29	142	90262	19.342	ug/l 98
11) Tert butyl alcohol	5.25	59	25587	103.939	ug/l 100
12) 1,1-Dichloroethene	4.06	96	91027	21.440	ug/l 95
13) Acrolein	3.92	56	42591	126.831	ug/l 97
14) Allyl chloride	4.71	41	146059	21.184	ug/l 99
15) Acrylonitrile	5.43	53	99033	104.119	ug/l 98
16) Acetone	4.17	43	92035	91.392	ug/l 94
17) Carbon Disulfide	4.40	76	303938	21.352	ug/l 99
18) Methyl Acetate	4.73	43	46642	20.593	ug/l 100
19) Methyl tert-butyl Ether	5.48	73	184828	20.875	ug/l 95
20) Methylene Chloride	4.96	84	111689	22.366	ug/l 98
21) trans-1,2-Dichloroethene	5.47	96	103851	21.516	ug/l 95
22) Diisopropyl ether	6.37	45	294869	22.185	ug/l 98
23) Vinyl Acetate	6.31	43	766497	104.605	ug/l 99
24) 1,1-Dichloroethane	6.27	63	178820	21.690	ug/l 98
25) 2-Butanone	7.22	43	122378	96.049	ug/l 99
26) 2,2-Dichloropropane	7.21	77	156143	21.829	ug/l 99
27) cis-1,2-Dichloroethene	7.21	96	110902	21.692	ug/l 99
28) Bromochloromethane	7.55	49	58729	19.201	ug/l 99
29) Tetrahydrofuran	7.57	42	79122	105.985	ug/l 96
30) Chloroform	7.71	83	180093	21.683	ug/l 99
31) Cyclohexane	7.98	56	170913	21.100	ug/l 96
32) 1,1,1-Trichloroethane	7.91	97	159298	21.436	ug/l 100
36) 1,1-Dichloropropene	8.11	75	146185	21.492	ug/l 99
37) Ethyl Acetate	7.30	43	54962	19.329	ug/l 98
38) Carbon Tetrachloride	8.10	117	145414	21.001	ug/l 97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	169423	21.187	ug/l	95
40) Benzene	8.36	78	414400	21.584	ug/l	100
41) Methacrylonitrile	7.53	41	19853	12.092	ug/l #	70
42) 1,2-Dichloroethane	8.43	62	110973	21.025	ug/l	100
43) Isopropyl Acetate	8.46	43	104868	20.281	ug/l	99
44) Trichloroethene	9.11	130	114404	21.497	ug/l	99
45) 1,2-Dichloropropane	9.39	63	99260	20.792	ug/l	92
46) Dibromomethane	9.48	93	51631	21.020	ug/l	99
47) Bromodichloromethane	9.67	83	138277	21.361	ug/l	96
48) Methyl methacrylate	9.46	41	48504	20.294	ug/l	94
49) 1,4-Dioxane	9.47	88	11191	388.457	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	265404	101.055	ug/l	99
52) Toluene	10.41	92	260809	21.947	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	123991	20.665	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	151008	20.842	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	70935	20.518	ug/l	97
56) Ethyl methacrylate	10.67	69	80961	20.289	ug/l	98
57) 1,3-Dichloropropane	10.95	76	121477	20.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	120659	95.908	ug/l	99
59) 2-Hexanone	10.99	43	184788	98.290	ug/l	100
60) Dibromochloromethane	11.15	129	93668	21.168	ug/l	98
61) 1,2-Dibromoethane	11.25	107	68461	20.914	ug/l	97
64) Tetrachloroethene	10.88	164	96236	21.509	ug/l	94
65) Chlorobenzene	11.68	112	273614	21.613	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	97900	20.723	ug/l	98
67) Ethyl Benzene	11.75	91	475979	21.467	ug/l	99
68) m/p-Xylenes	11.86	106	376002	44.324	ug/l	98
69) o-Xylene	12.18	106	162619	21.638	ug/l	99
70) Styrene	12.20	104	287718	21.563	ug/l	98
71) Bromoform	12.37	173	54160	20.660	ug/l #	99
73) Isopropylbenzene	12.48	105	448228	22.269	ug/l	99
74) N-amyl acetate	12.30	43	90691	20.278	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	75964	20.912	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	51582m	19.941	ug/l	
77) Bromobenzene	12.77	156	111648	22.338	ug/l	97
78) n-propylbenzene	12.83	91	549872	22.734	ug/l	100
79) 2-Chlorotoluene	12.91	91	300339	22.165	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	372966	22.498	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24994	20.863	ug/l	98
82) 4-Chlorotoluene	13.01	91	316870	22.027	ug/l	99
83) tert-Butylbenzene	13.23	119	304263	21.899	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	376432	22.686	ug/l	99
85) sec-Butylbenzene	13.41	105	444280	22.191	ug/l	100
86) p-Isopropyltoluene	13.53	119	414901	22.661	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	207138	21.438	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	207793	21.790	ug/l	99
89) n-Butylbenzene	13.86	91	375610	22.263	ug/l	98
90) Hexachloroethane	14.12	117	80607	21.683	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	179672	21.657	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10625	18.980	ug/l	88

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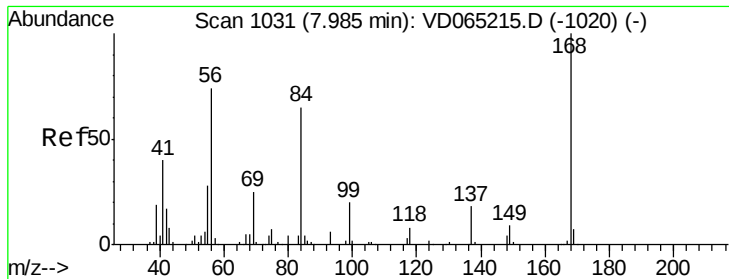
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	118067	21.756	ug/l	95
94) Hexachlorobutadiene	15.28	225	75272	21.623	ug/l	100
95) Naphthalene	15.41	128	180990	20.515	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	104190	21.983	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion:168 Resp: 457936

Ion Ratio Lower Upper

168 100

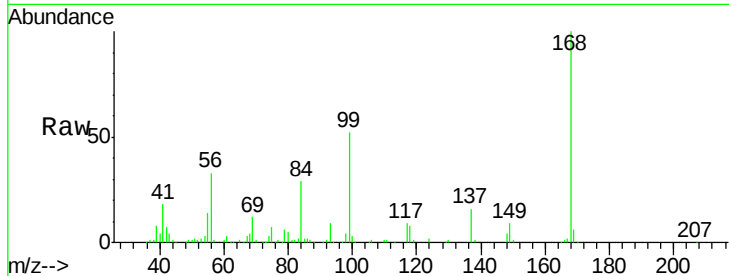
99 51.5 41.4 62.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

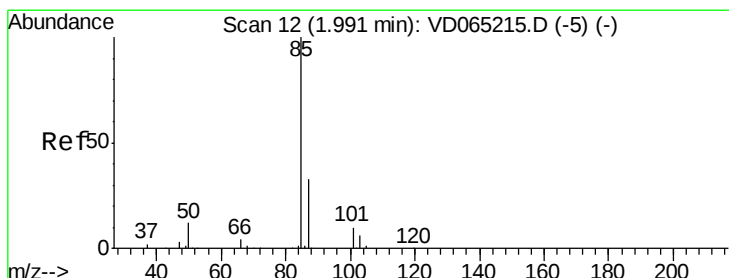
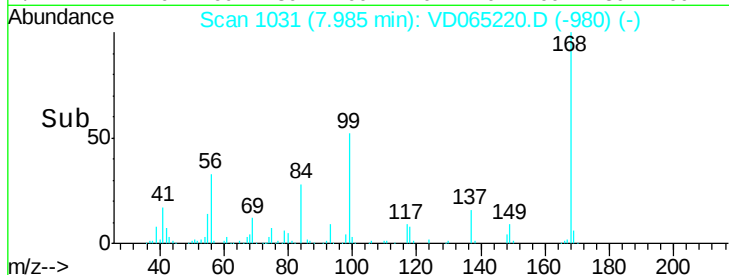
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.192 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065220.D

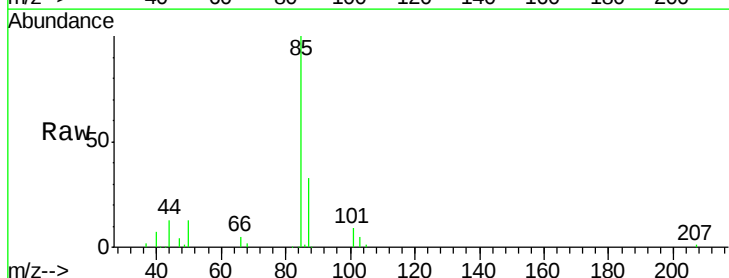
Acq: 18 Feb 2020 15:51

Tgt Ion: 85 Resp: 73716

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

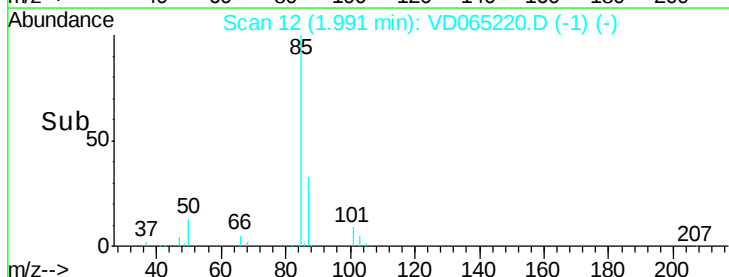
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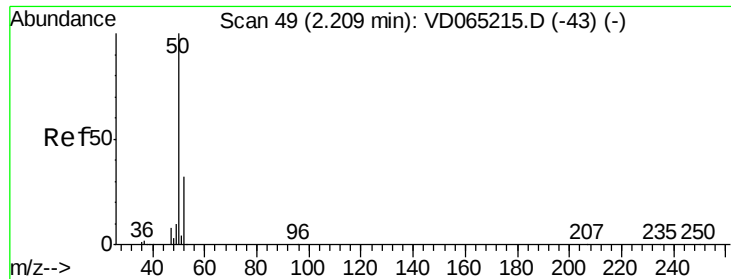
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.389 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 50 Resp: 104567

Ion Ratio Lower Upper

50 100

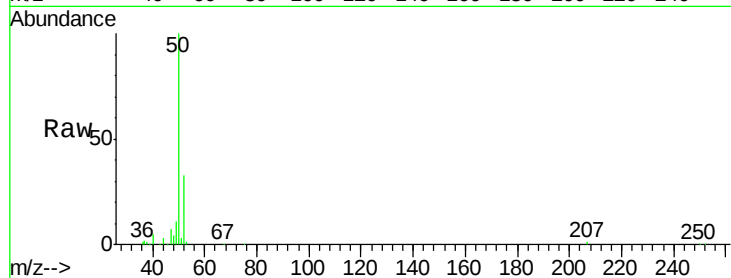
52 32.8 25.5 38.3

Manual Integrations

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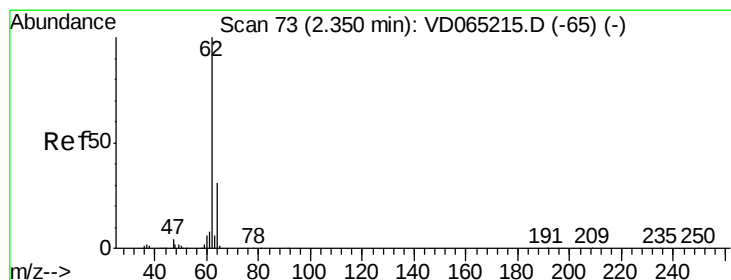
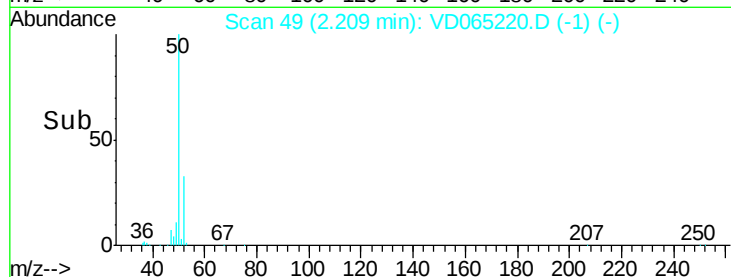
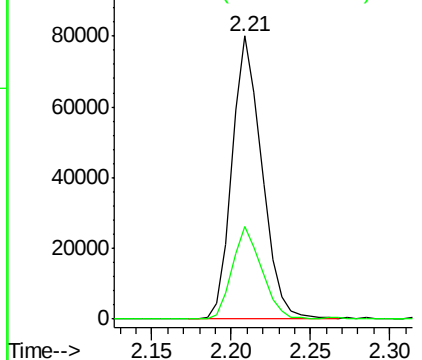
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.801 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065220.D

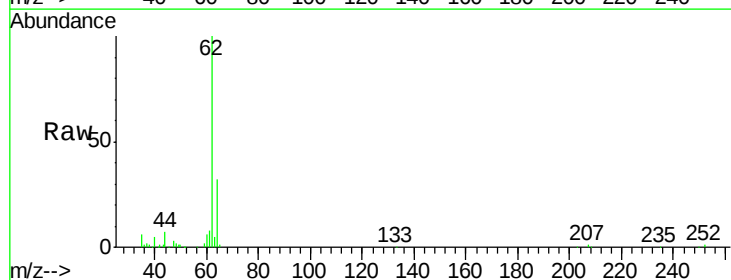
Acq: 18 Feb 2020 15:51

Tgt Ion: 62 Resp: 103406

Ion Ratio Lower Upper

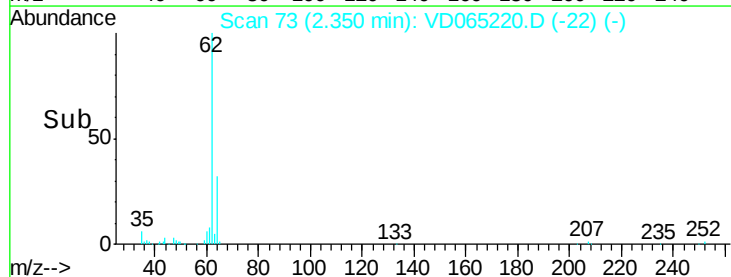
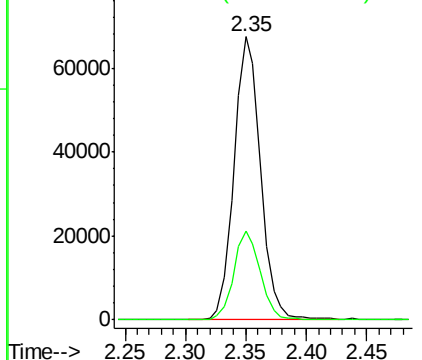
62 100

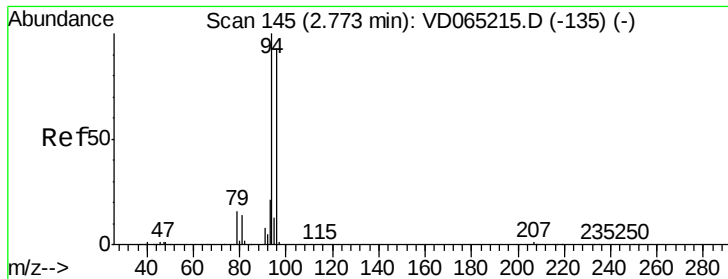
64 31.6 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.647 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 94 Resp: 68070

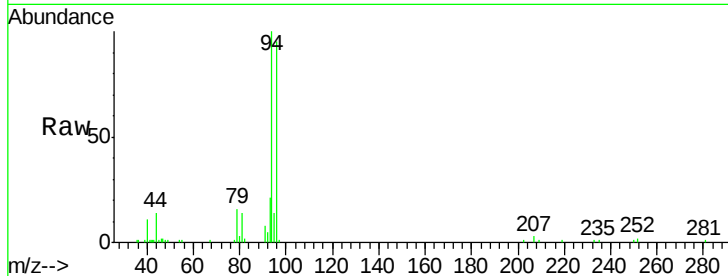
Ion Ratio Lower Upper

94 100

96 94.9 74.2 111.4

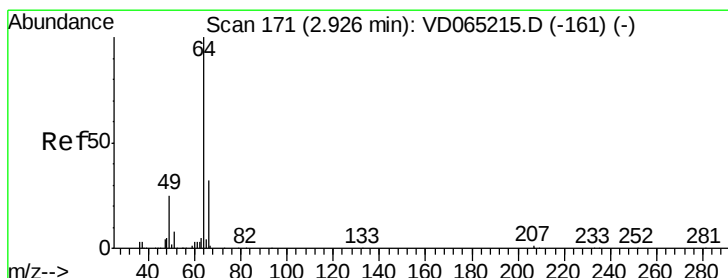
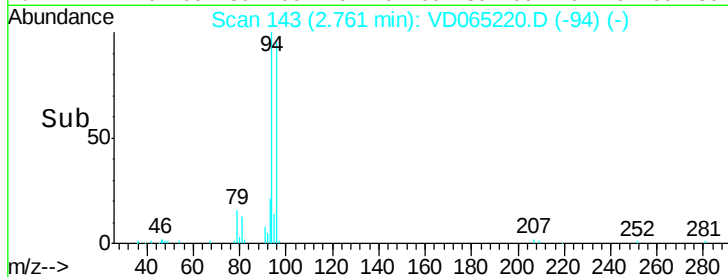
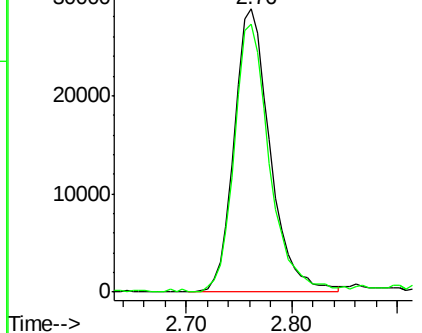
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.579 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065220.D

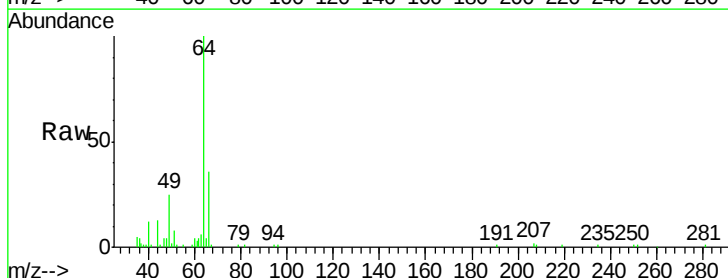
Acq: 18 Feb 2020 15:51

Tgt Ion: 64 Resp: 65481

Ion Ratio Lower Upper

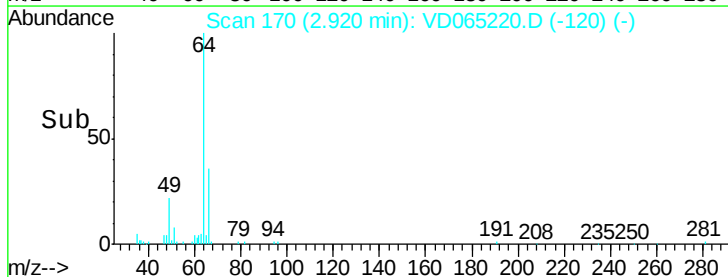
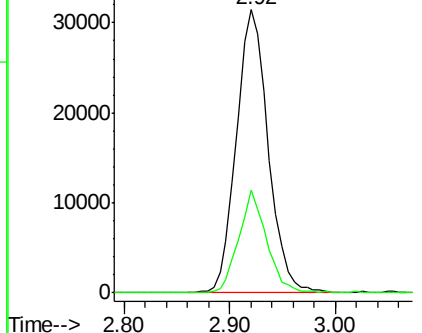
64 100

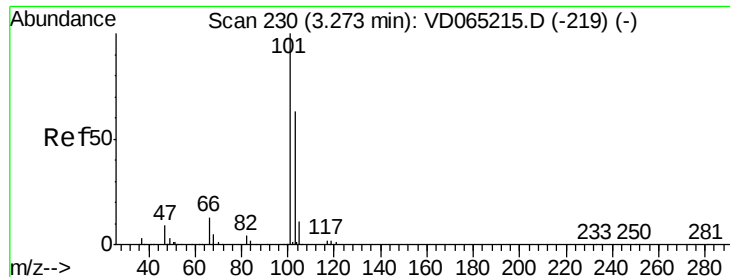
66 36.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

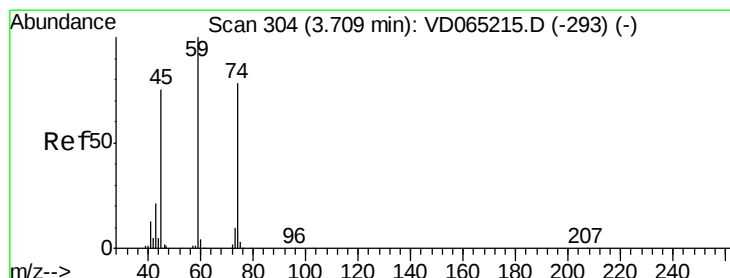
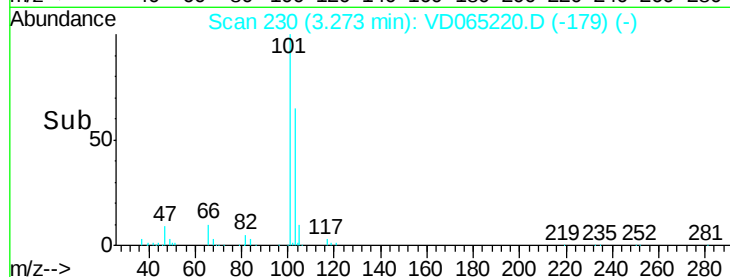
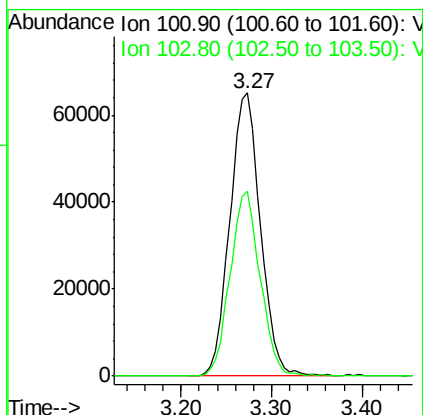
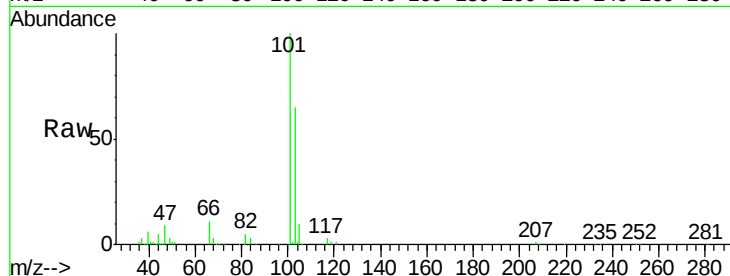
Trichlorofluoromethane
 Concen: 21.510 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

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 VD0218SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	50.7	76.1

Manual Integrations
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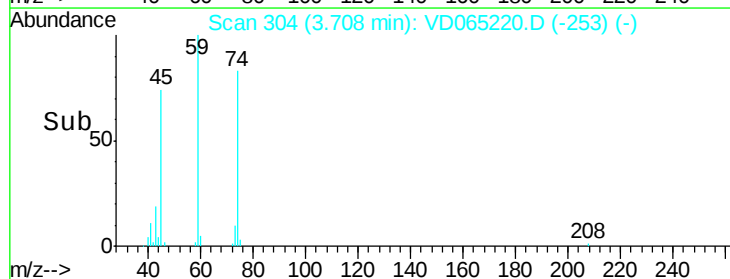
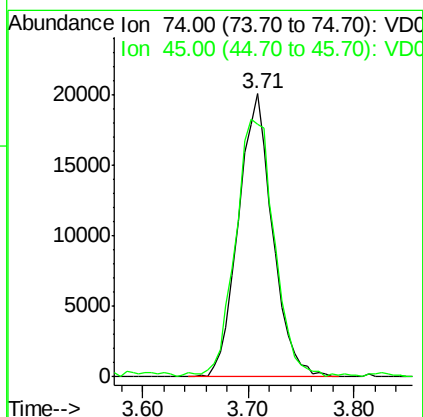
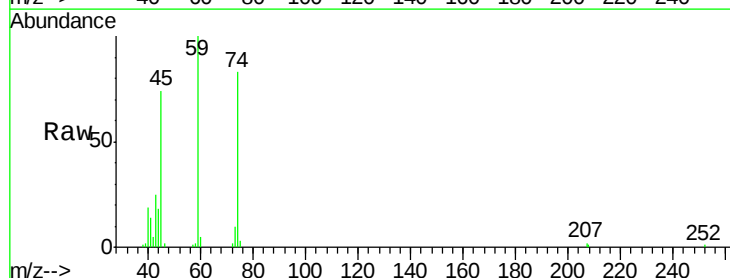
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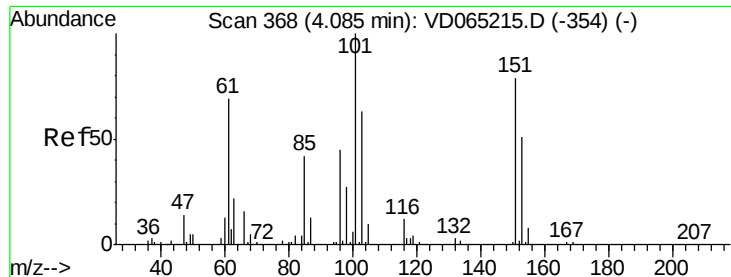


#8

Diethyl Ether
 Concen: 20.902 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.0	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.770 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

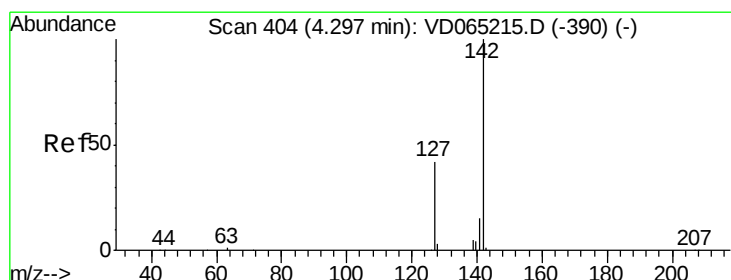
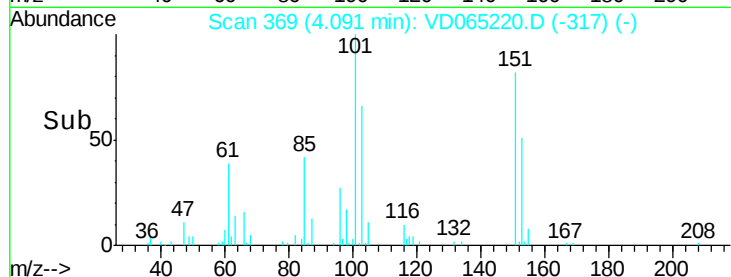
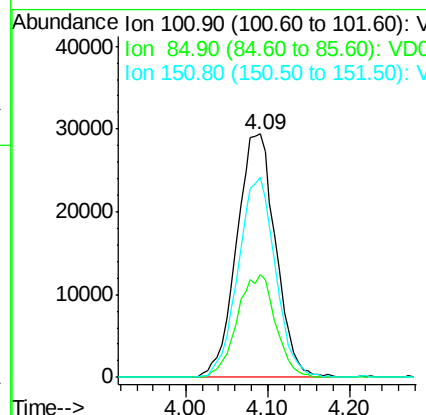
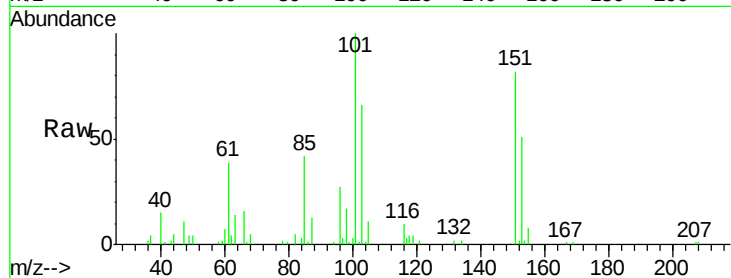
ClientSampleId :

VD0218SBS01

Tot Ion:	101	Resp:	97846
Ion Ratio	Lower	Upper	
101	100		
85	41.3	34.2	51.2
151	78.3	63.5	95.3

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#10

Methyl Iodide

Concen: 19.342 ug/l

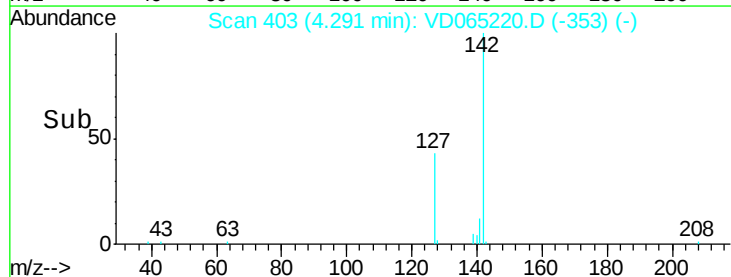
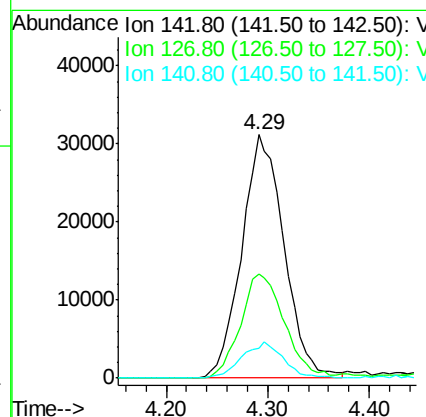
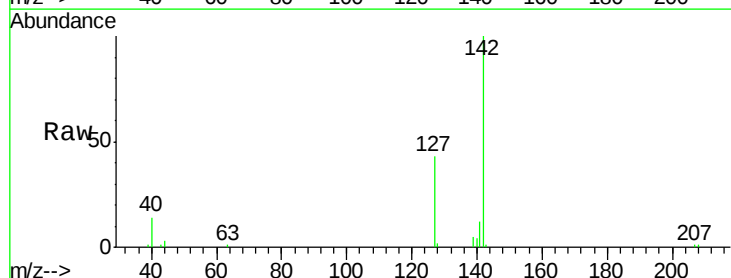
RT: 4.29 min Scan# 403

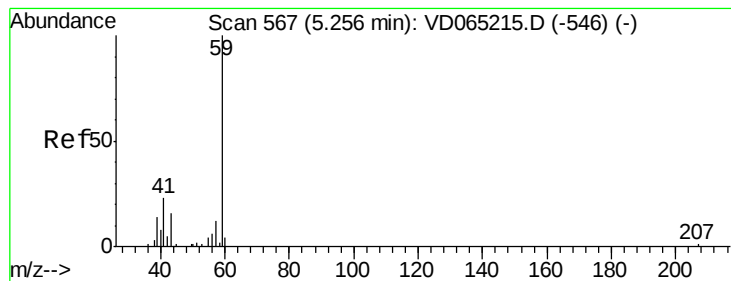
Delta R.T. -0.01 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Tgt Ion:	142	Resp:	90262
Ion Ratio	Lower	Upper	
142	100		
127	44.4	33.8	50.8
141	14.5	11.7	17.5





#11

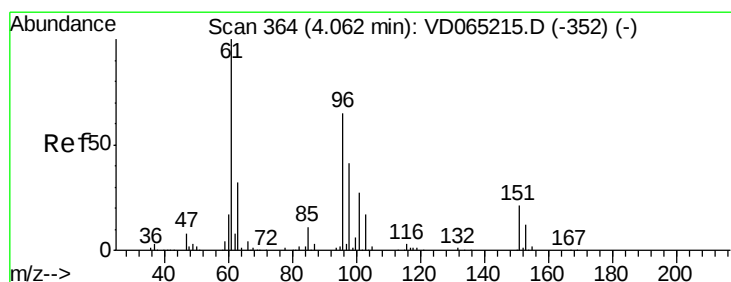
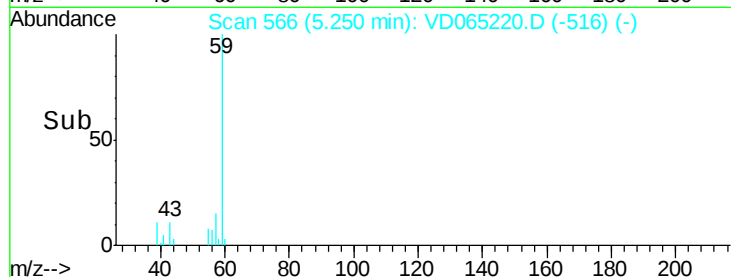
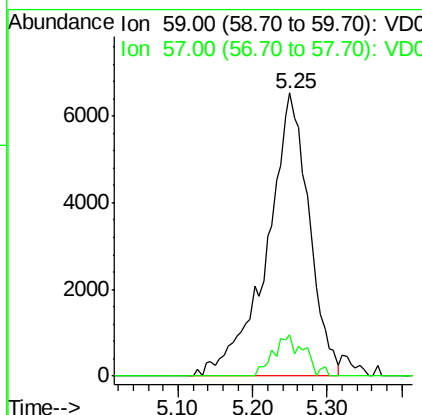
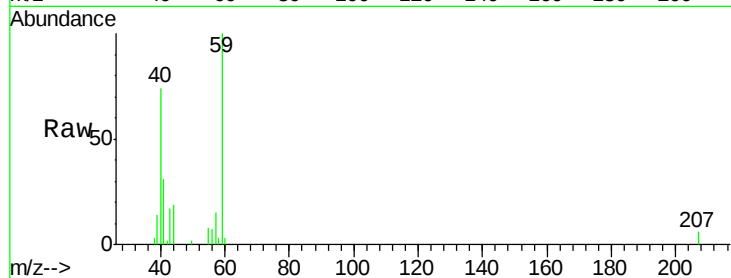
Tert butyl alcohol
Concen: 103.939 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	25587		
57	10.6		8.4	12.6

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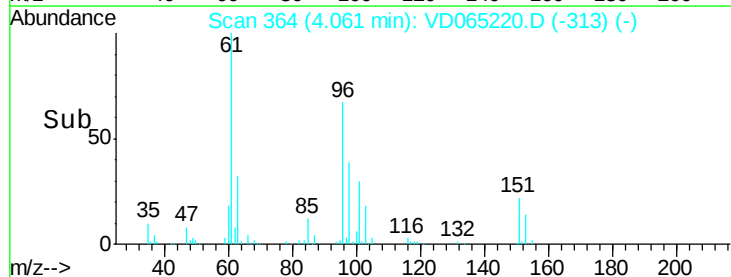
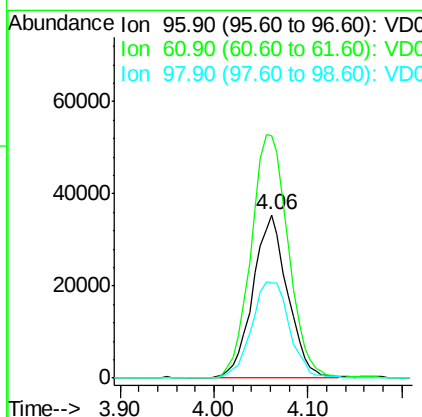
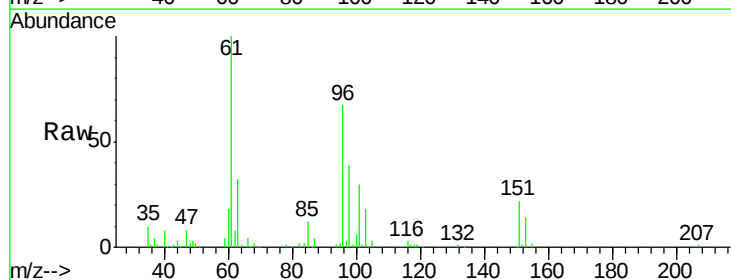
MMDadoda
2/19/2020 1:44:25 PM

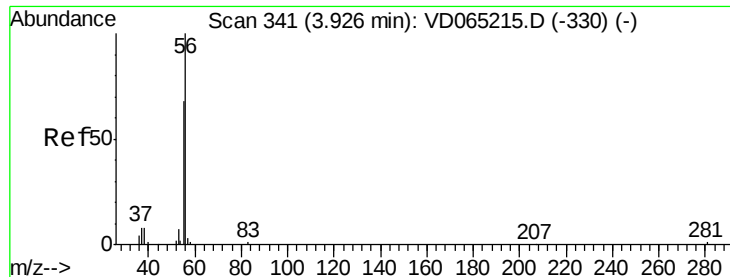


#12

1,1-Dichloroethene
Concen: 21.440 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	91027		
61	148.5		123.3	184.9
98	58.4		51.0	76.4





#13

Acrolein

Concen: 126.831 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 56 Resp: 42591

Ion Ratio Lower Upper

56 100

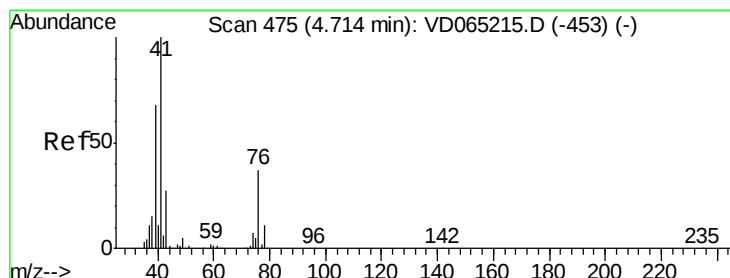
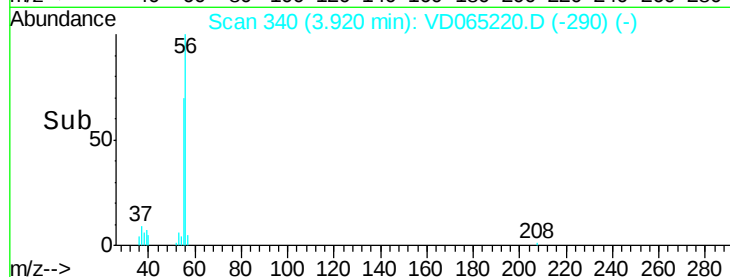
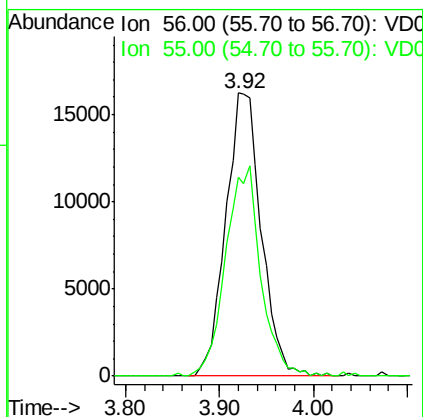
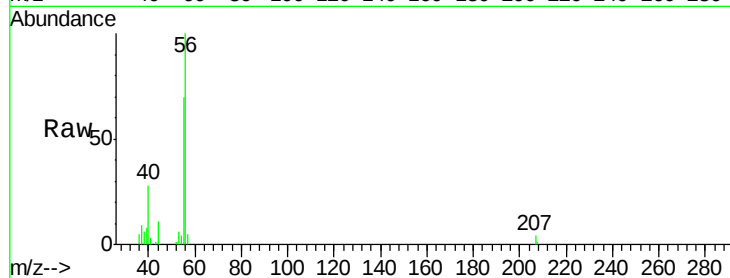
55 73.3 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 21.184 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

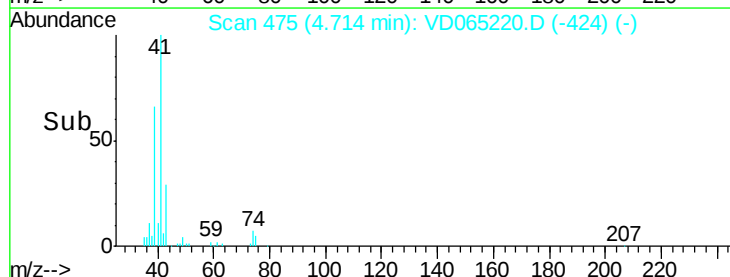
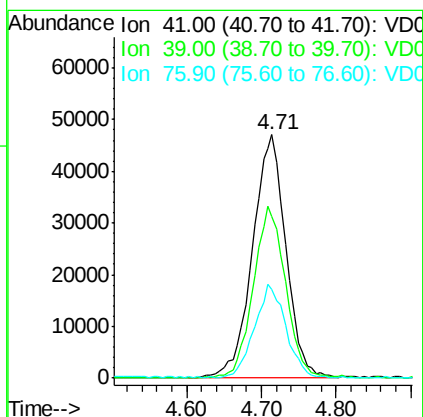
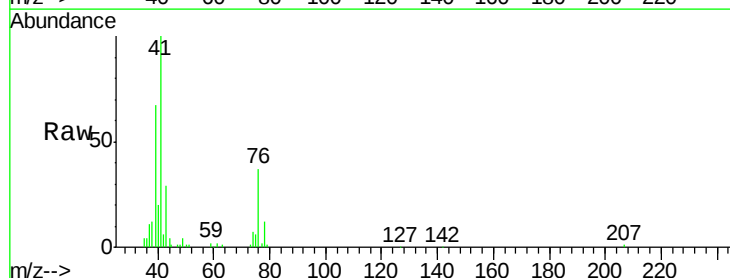
Tgt Ion: 41 Resp: 146059

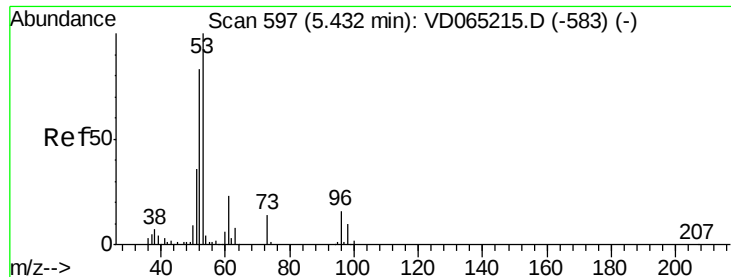
Ion Ratio Lower Upper

41 100

39 68.6 53.8 80.6

76 36.5 28.7 43.1





#15

Acrylonitrile

Concen: 104.119 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

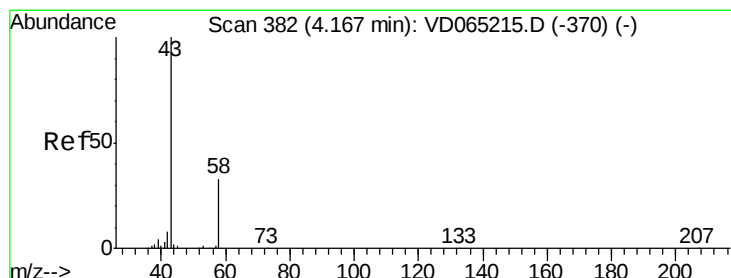
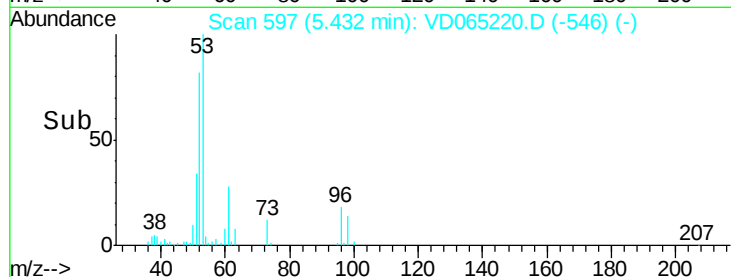
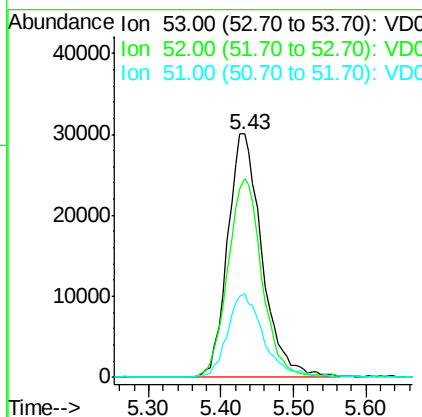
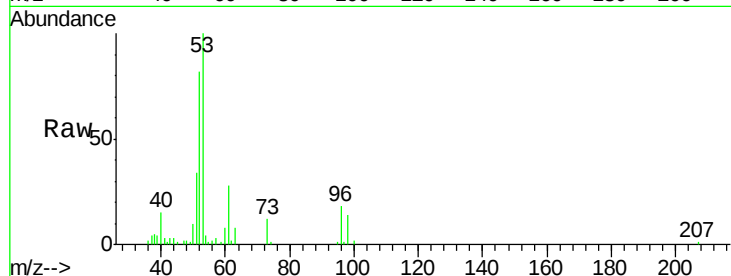
ClientSampleId :

VD0218SBS01

Tot Ion:	53	Resp:	99033
Ion Ratio		Lower	Upper
53	100		
52	80.5	65.4	98.2
51	36.0	29.5	44.3

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#16

Acetone

Concen: 91.392 ug/l

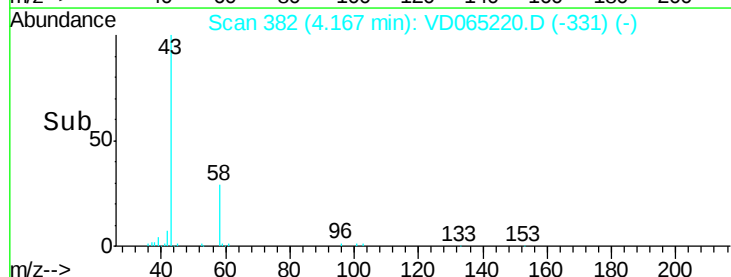
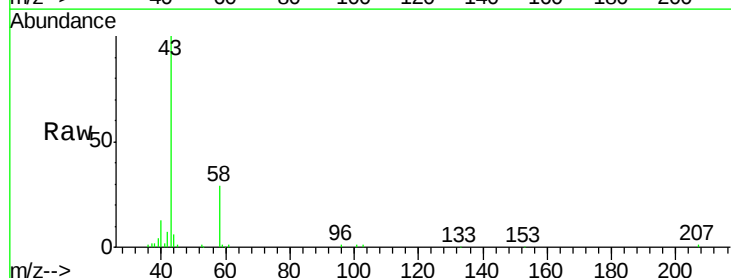
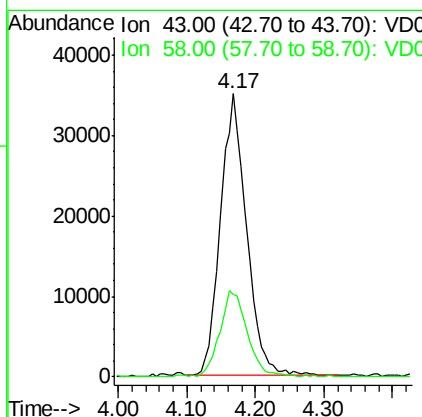
RT: 4.17 min Scan# 382

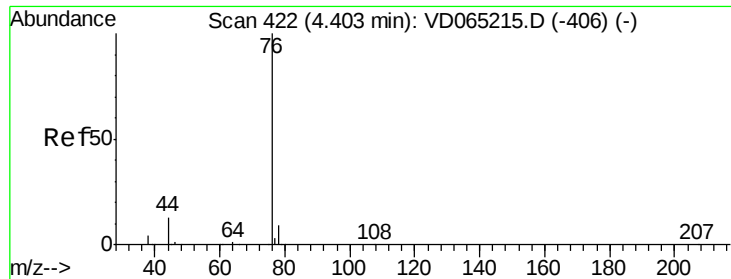
Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Tgt Ion:	43	Resp:	92035
Ion Ratio		Lower	Upper
43	100		
58	29.3	26.2	39.2





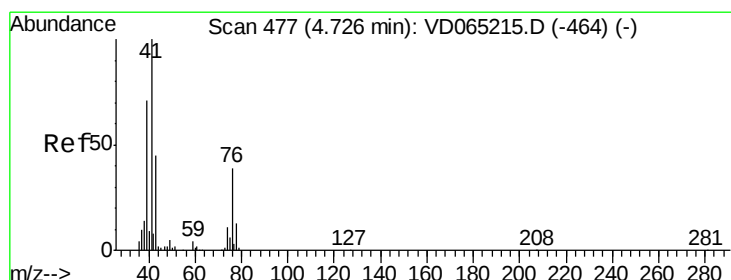
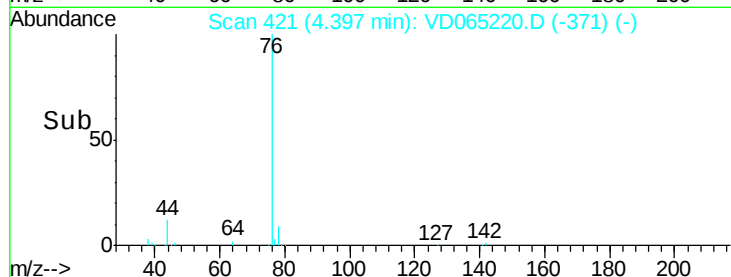
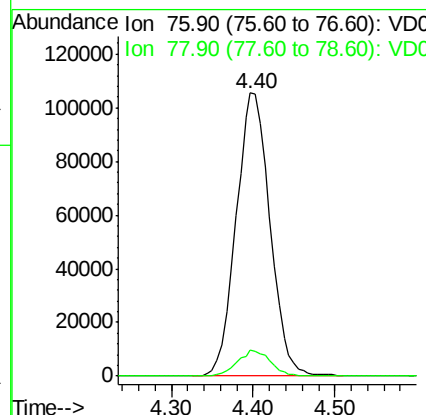
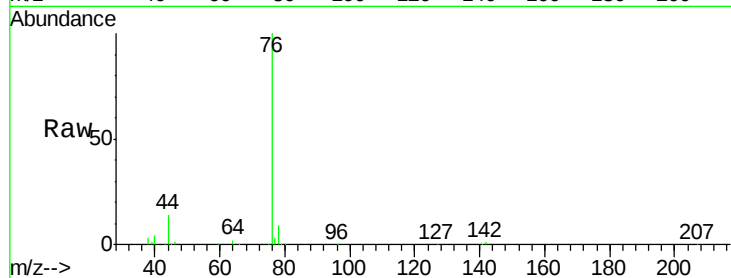
#17
Carbon Disulfide
Concen: 21.352 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	303938		
78	9.3		7.0	10.6

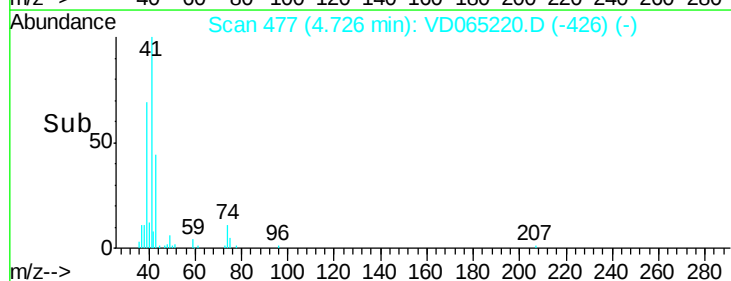
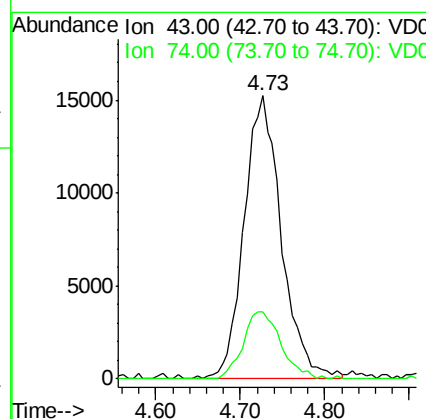
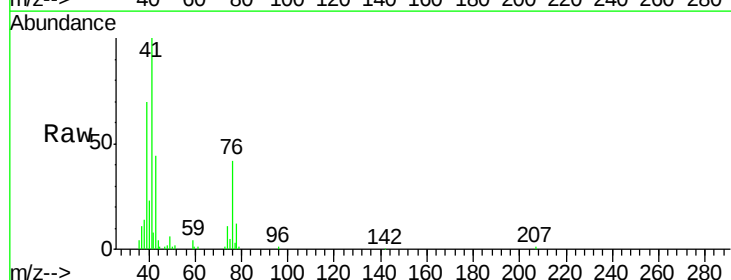
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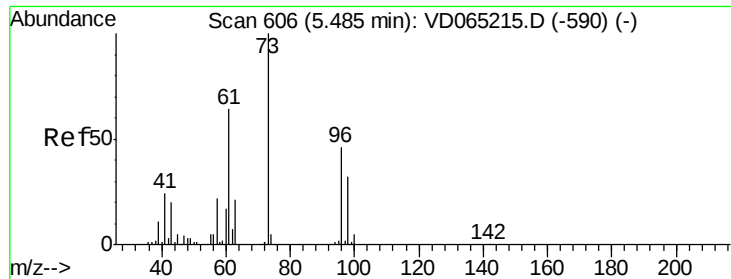
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#18
Methyl Acetate
Concen: 20.593 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	46642		
74	24.2		19.4	29.2





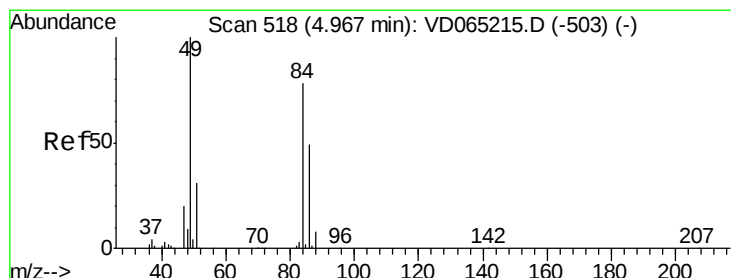
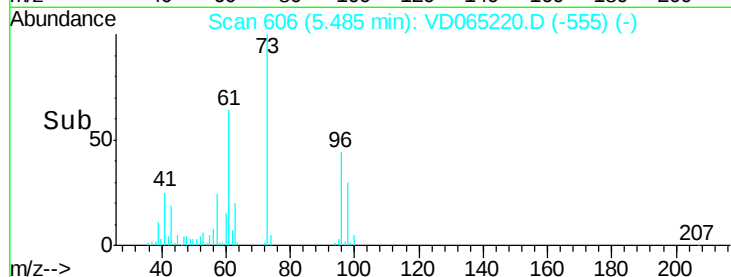
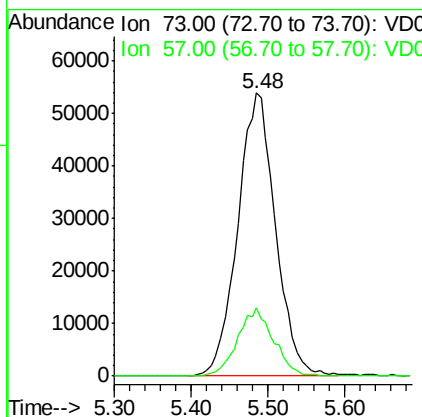
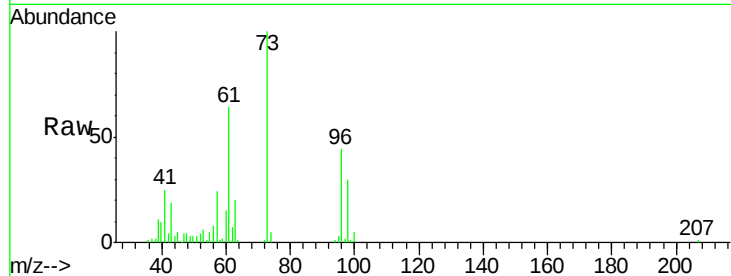
#19
Methyl tert-butyl Ether
Concen: 20.875 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion: 73 Resp: 184828
Ion Ratio Lower Upper
73 100
57 24.0 17.3 25.9

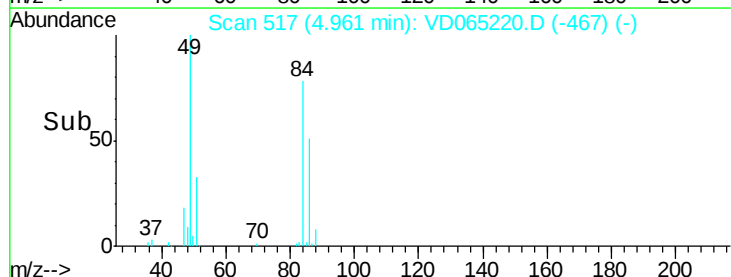
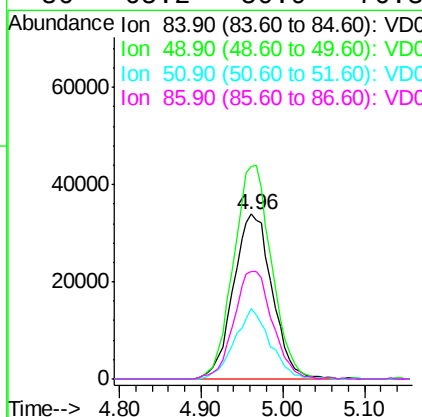
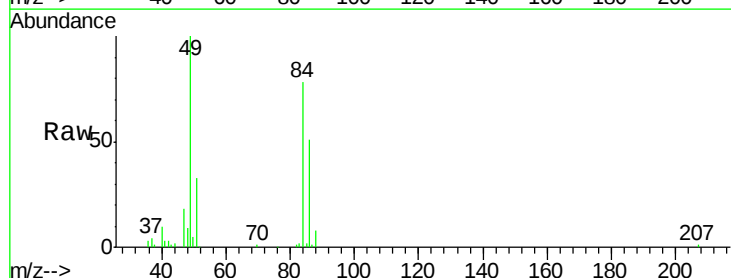
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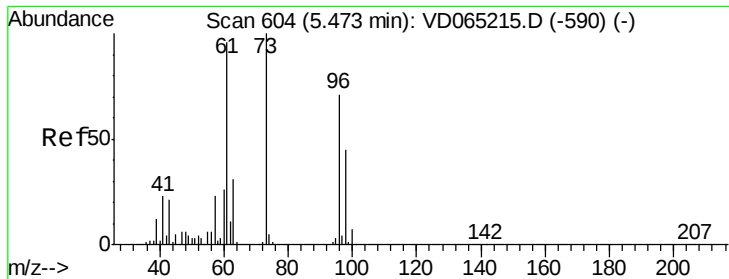
MMDadoda
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#20
Methylene Chloride
Concen: 22.366 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion: 84 Resp: 111689
Ion Ratio Lower Upper
84 100
49 128.8 103.1 154.7
51 42.9 31.7 47.5
86 65.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 21.516 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

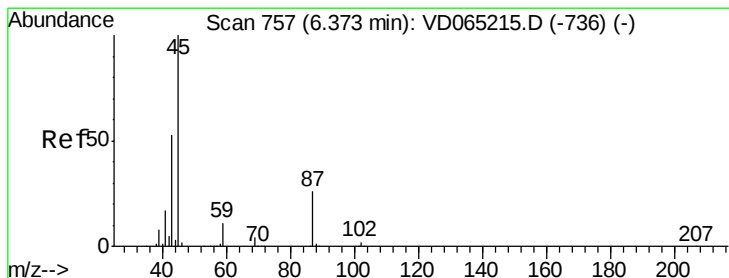
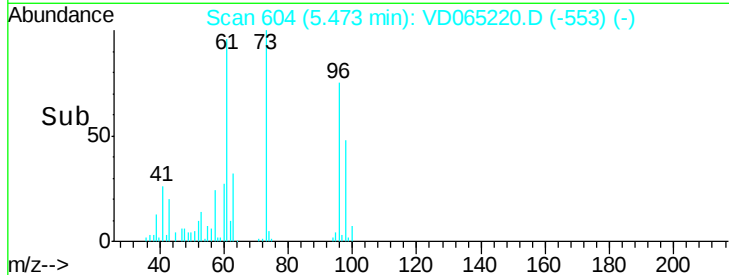
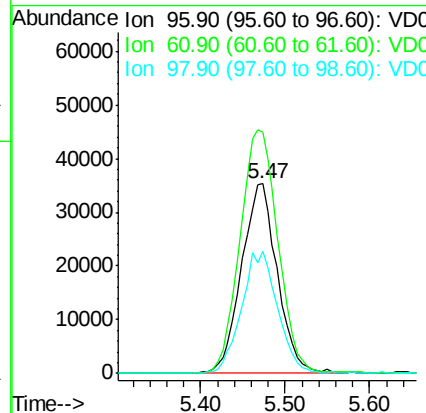
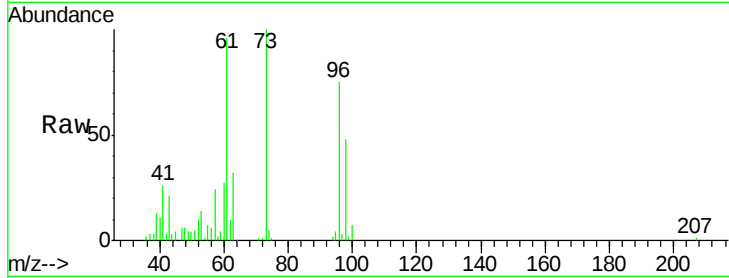
ClientSampleId :

VD0218SBS01

Tot Ion:	96	Resp:	103851
Ion Ratio	Lower	Upper	
96	100		
61	127.4	108.3	162.5
98	64.3	50.7	76.1

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#22

Diisopropyl ether

Concen: 22.185 ug/l

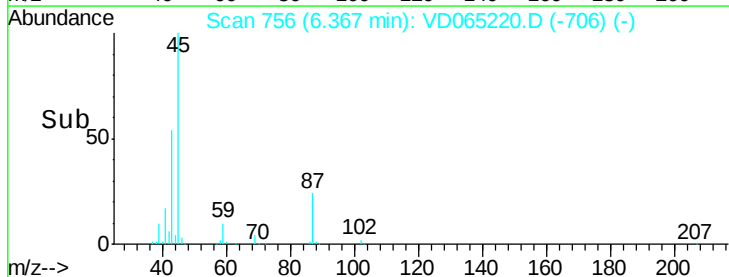
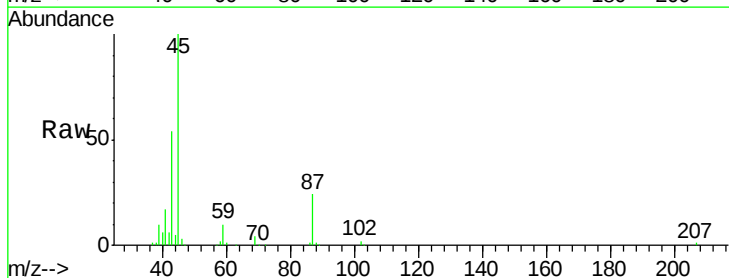
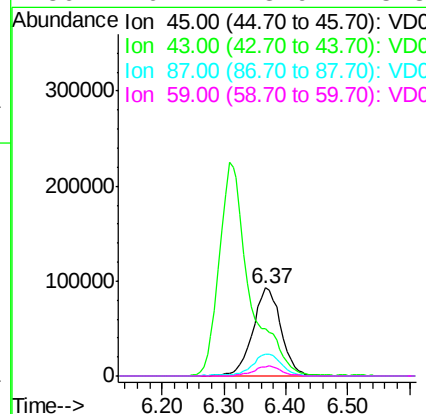
RT: 6.37 min Scan# 756

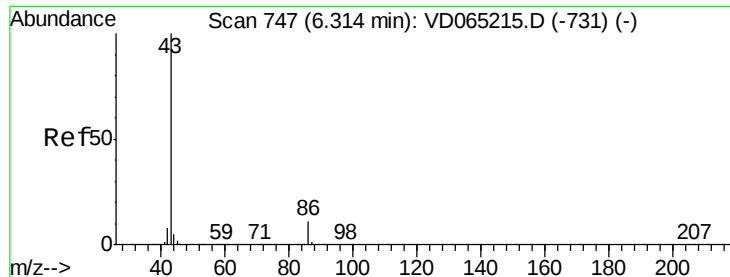
Delta R.T. -0.01 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Tgt Ion:	45	Resp:	294869
Ion Ratio	Lower	Upper	
45	100		
43	53.4	42.6	64.0
87	24.3	21.2	31.8
59	10.4	8.9	13.3





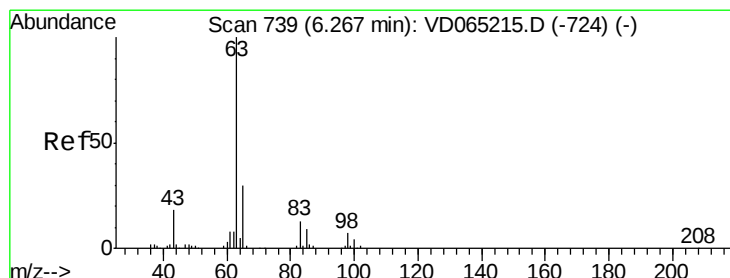
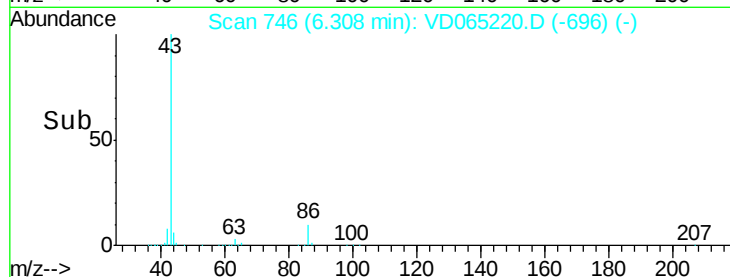
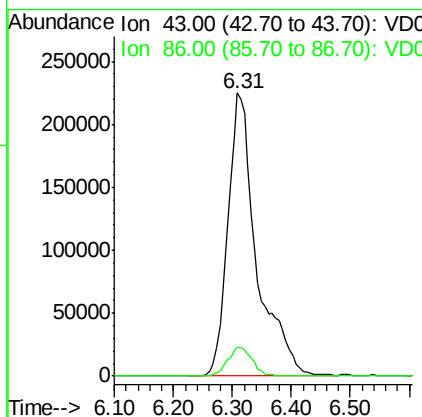
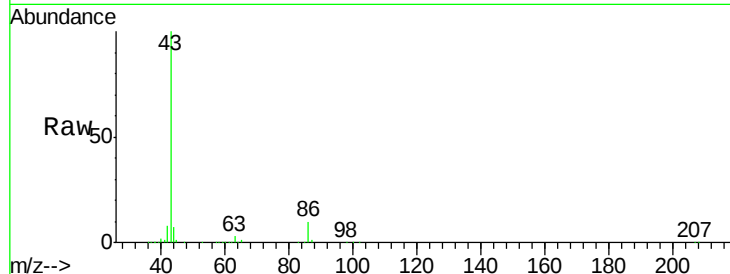
#23
 Vinyl Acetate
 Concen: 104.605 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8

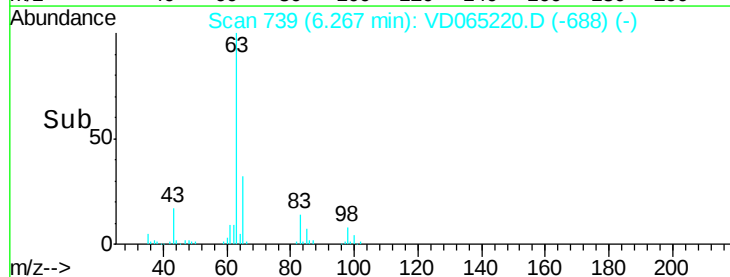
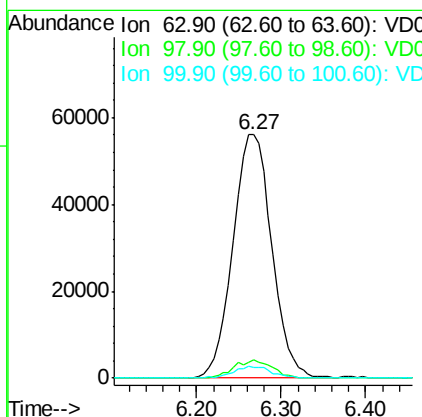
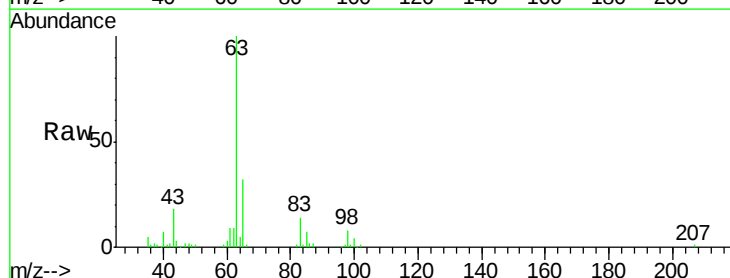
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 21.690 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.4	10.1
100	4.3	2.3	6.8





#25

2-Butanone

Concen: 96.049 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 43 Resp: 122378

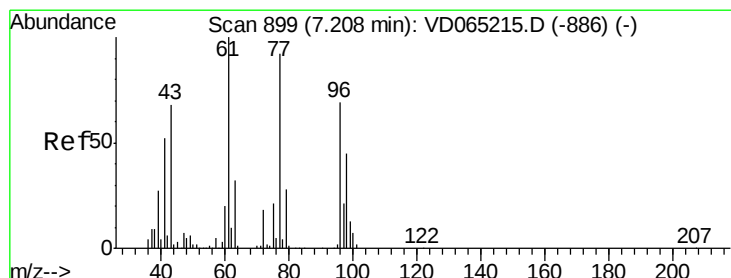
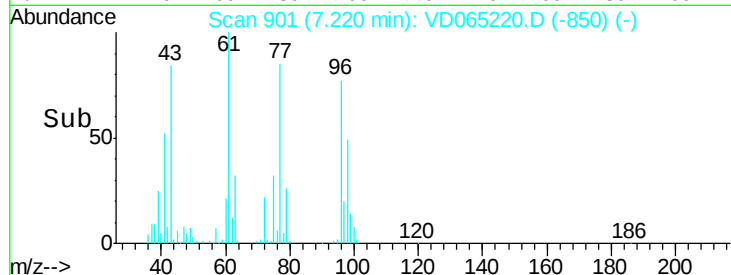
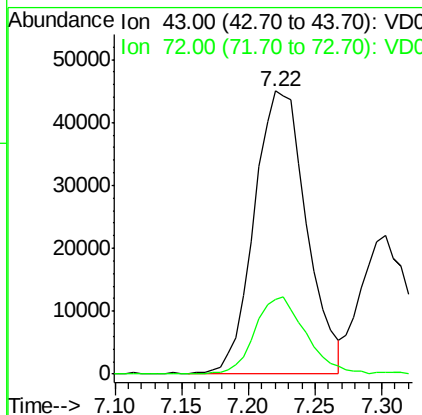
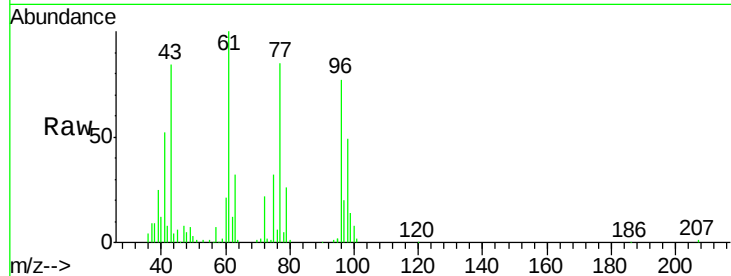
Ion Ratio Lower Upper

43 100

72 26.5 20.9 31.3

Manual Integrations
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2/19/2020 1:44:25 PM



#26

2,2-Dichloropropane

Concen: 21.829 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065220.D

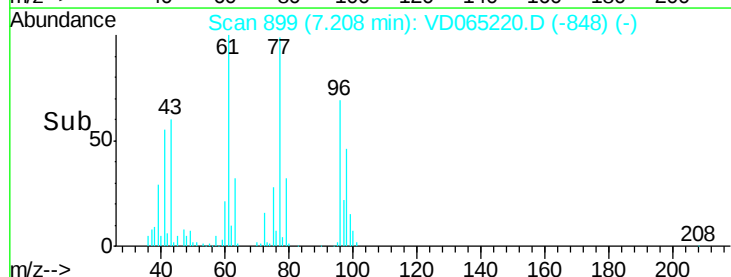
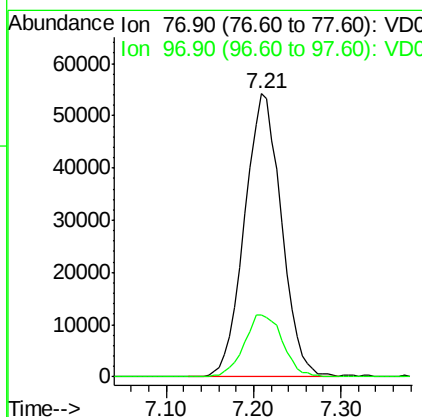
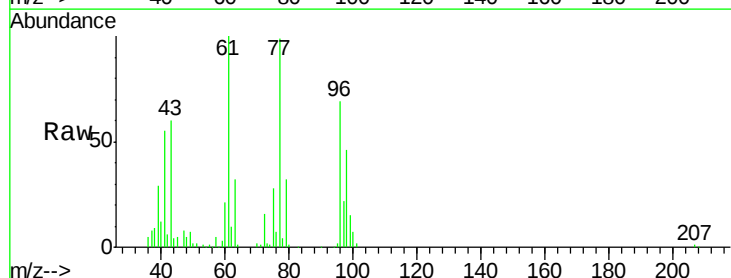
Acq: 18 Feb 2020 15:51

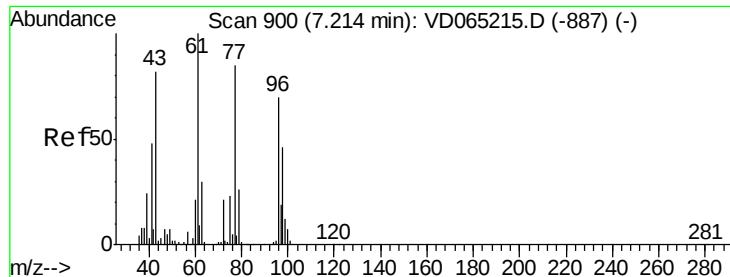
Tgt Ion: 77 Resp: 156143

Ion Ratio Lower Upper

77 100

97 22.7 11.7 35.1





#27

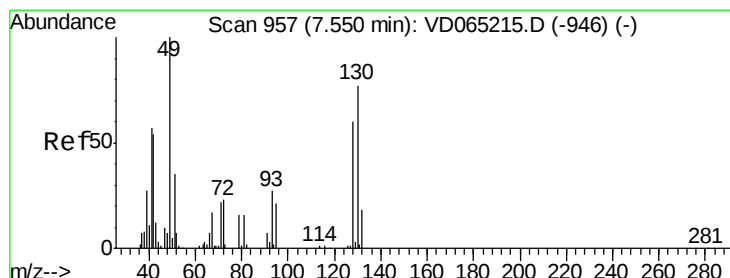
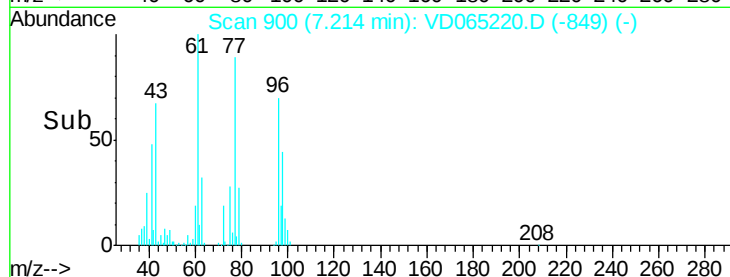
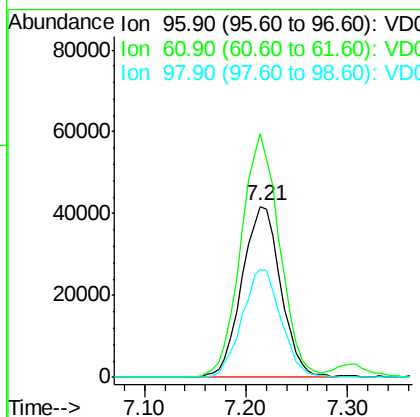
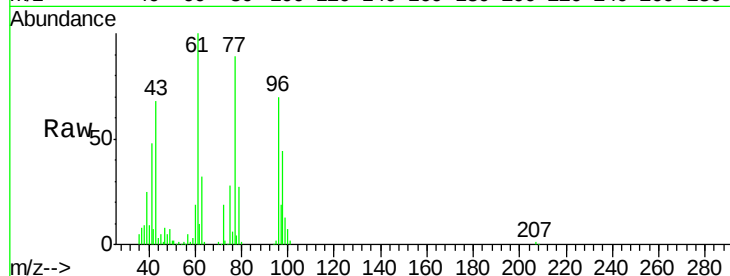
cis-1,2-Dichloroethene
 Concen: 21.692 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.5	0.0	286.0	
98	63.7	0.0	127.8	

Manual Integrations
 APPROVED

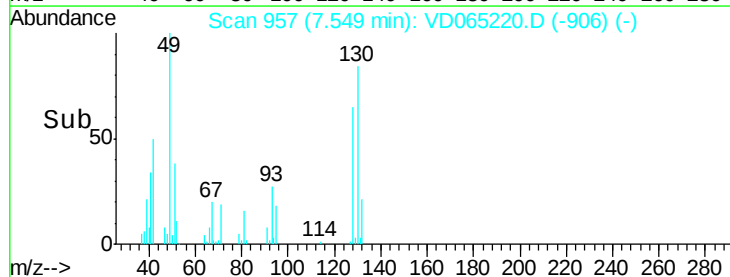
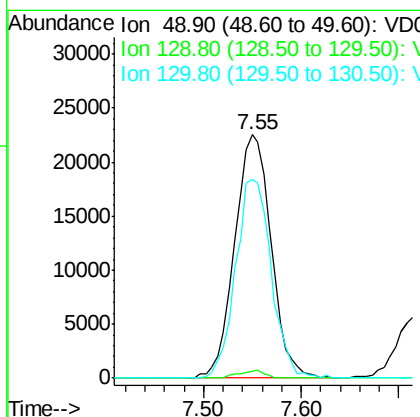
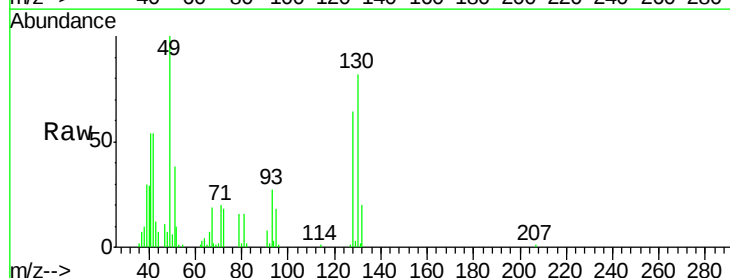
MMDadoda
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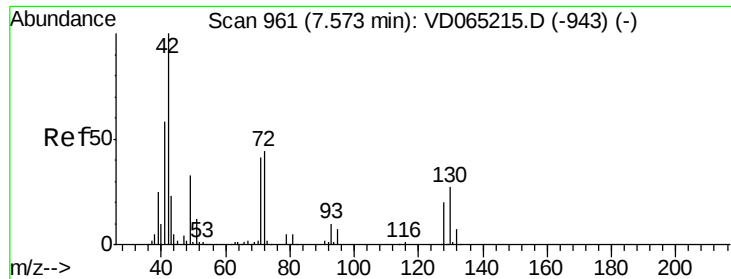


#28

Bromochloromethane
 Concen: 19.201 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.6	
130	80.4	64.7	97.1	





#29

Tetrahydrofuran

Concen: 105.985 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

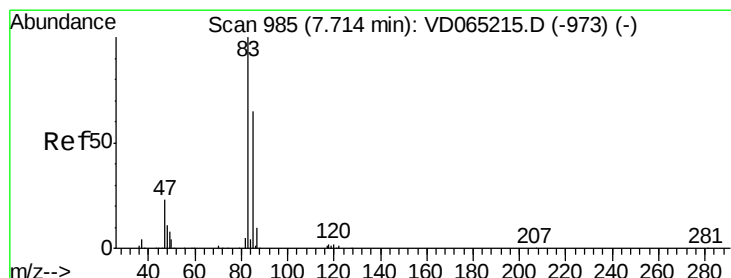
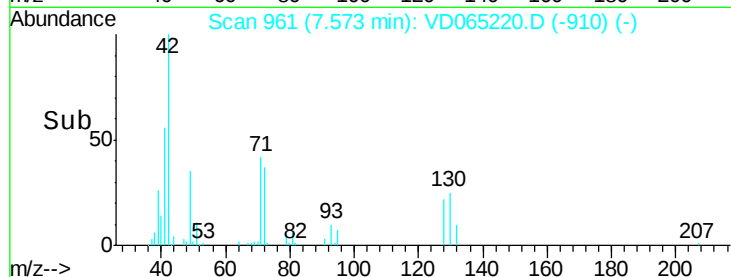
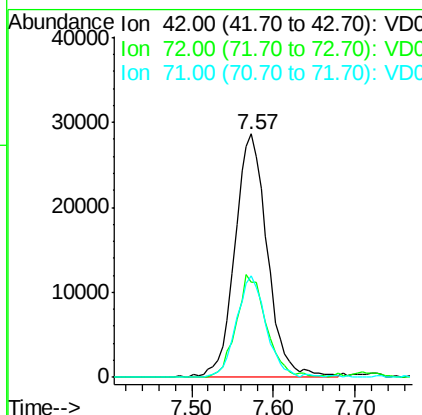
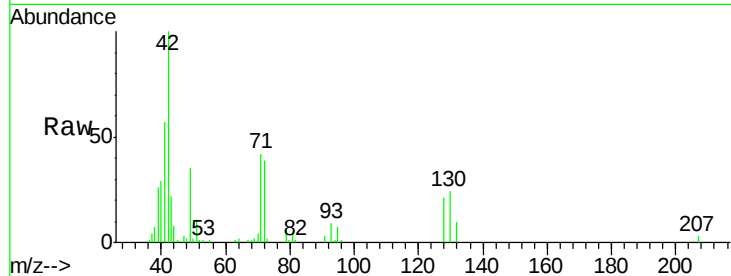
ClientSampleId :

VD0218SBS01

Tot Ion:	42	Resp:	79122
Ion	Ratio	Lower	Upper
42	100		
72	39.4	33.7	50.5
71	37.7	31.4	47.2

Manual Integrations
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#30

Chloroform

Concen: 21.683 ug/l

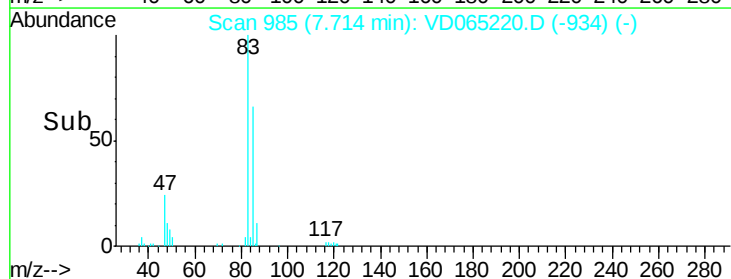
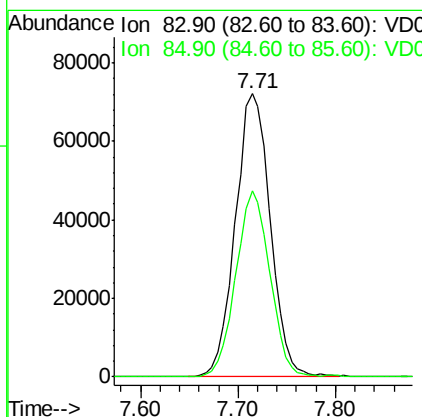
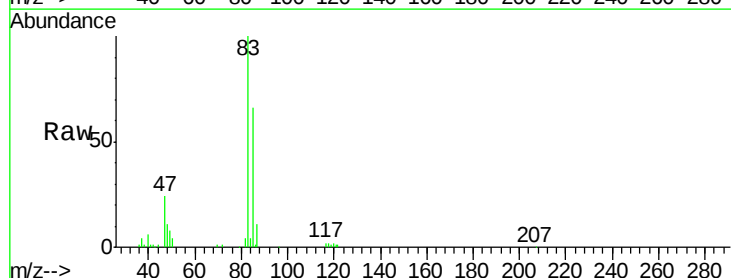
RT: 7.71 min Scan# 985

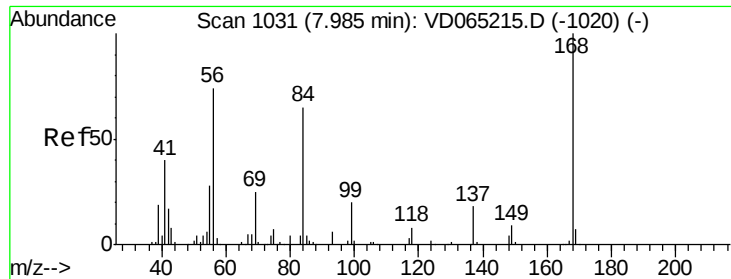
Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Tgt Ion:	83	Resp:	180093
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.3	78.5





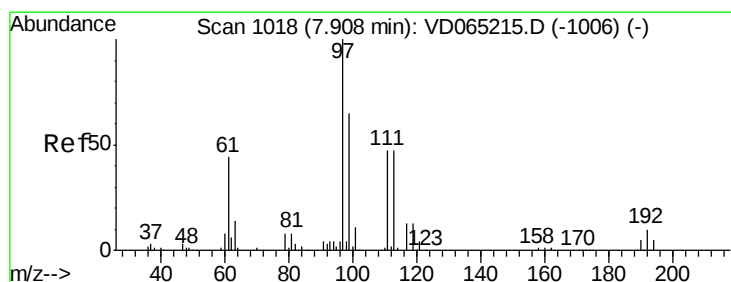
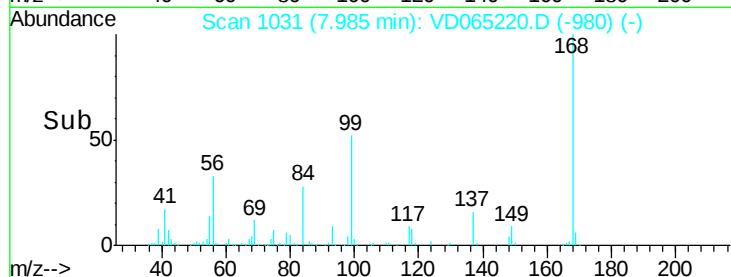
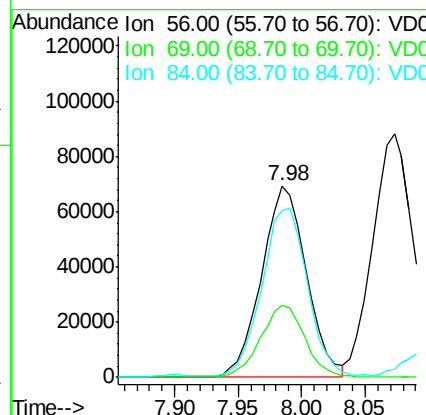
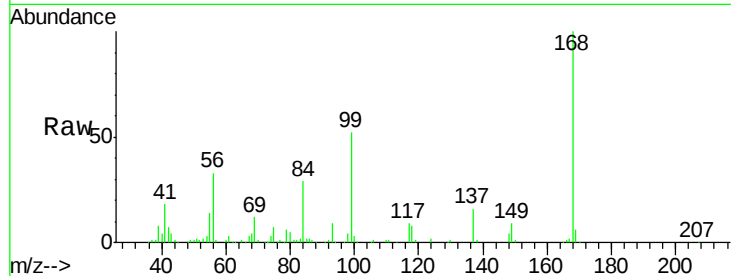
#31
Cyclohexane
Concen: 21.100 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	27.4	41.0
84	86.3	71.1	106.7

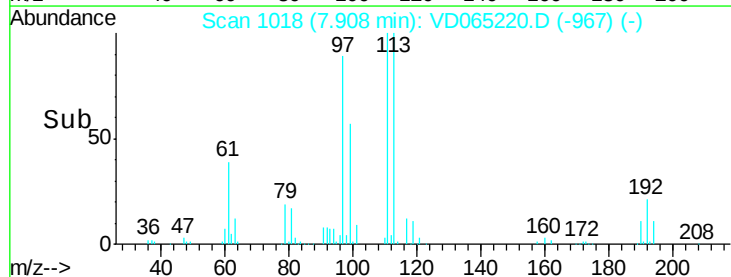
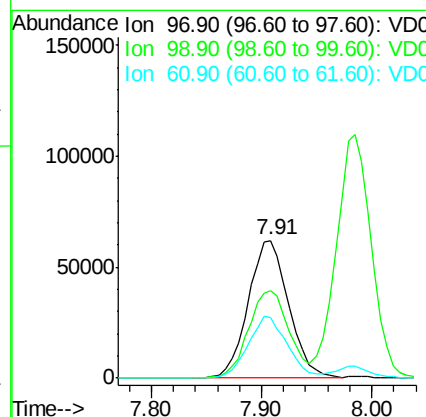
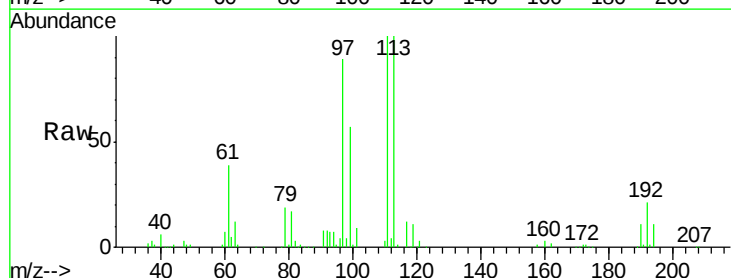
Manual Integrations
APPROVED

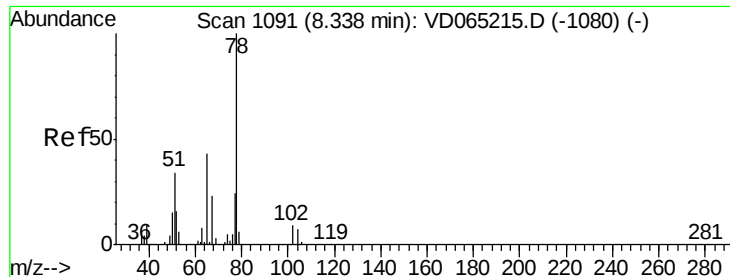
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#32
1,1,1-Trichloroethane
Concen: 21.436 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	43.6	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 51.986 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 65 Resp: 214164

Ion Ratio Lower Upper

65 100

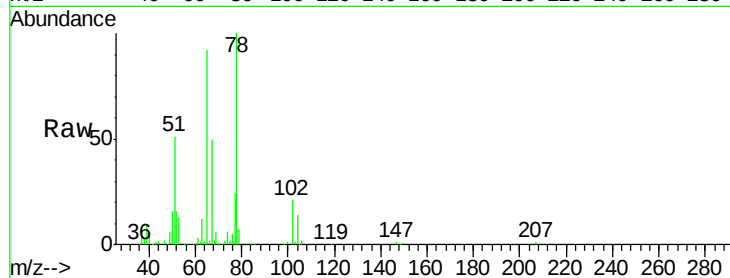
67 53.3 0.0 106.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

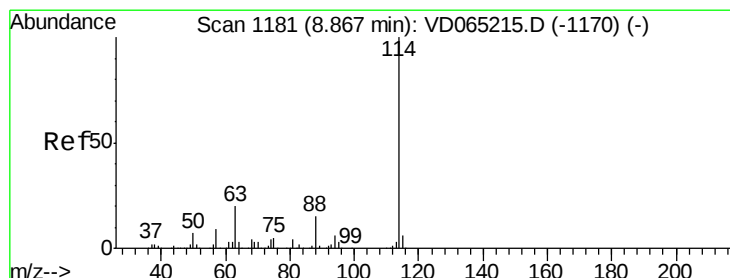
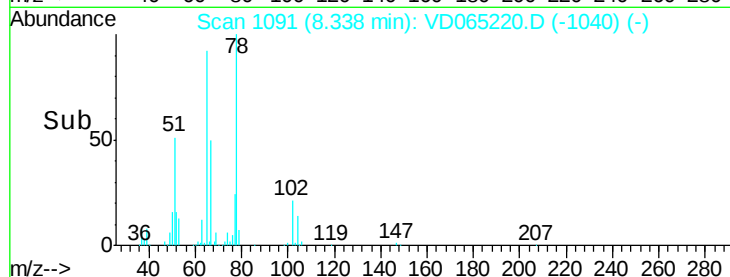
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

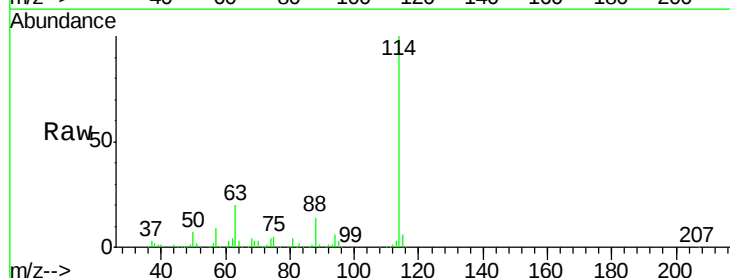
Tgt Ion: 114 Resp: 699060

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

88 14.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

400000

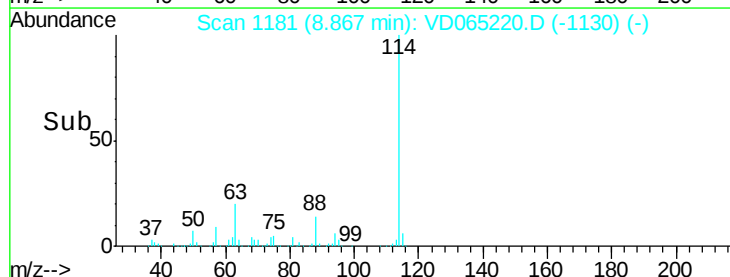
300000

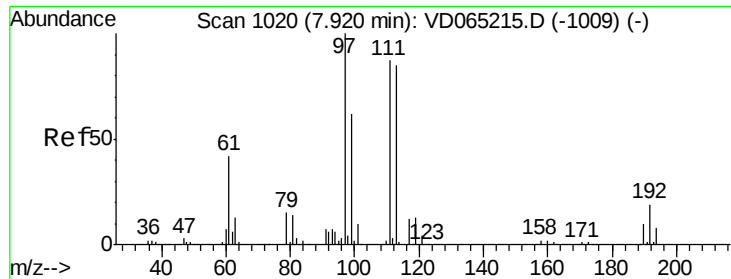
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100000

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Time-->





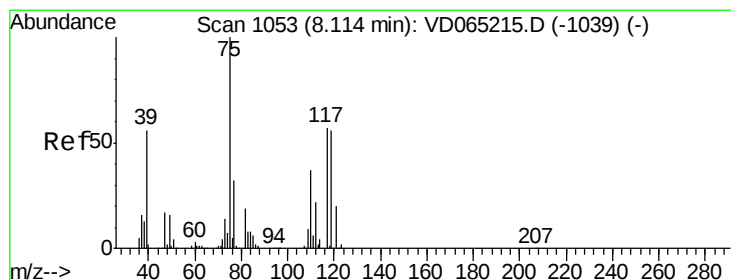
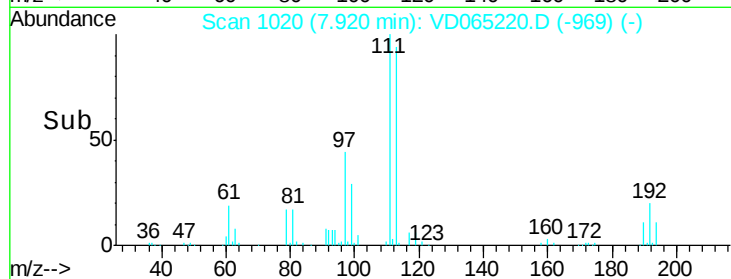
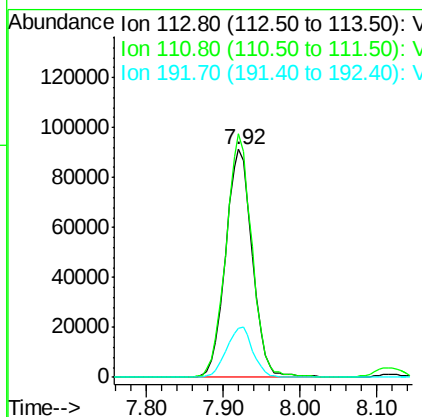
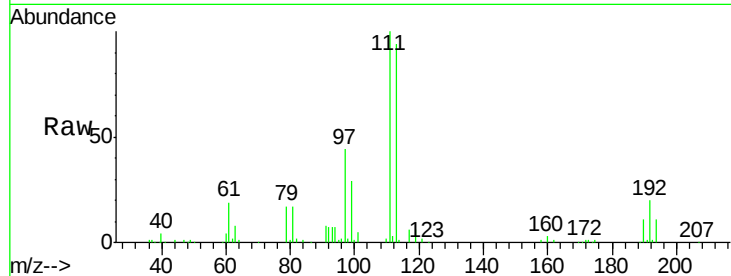
#35
Dibromofluoromethane
Concen: 51.916 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	221289		
111	103.4	82.9	124.3	
192	21.7	17.3	25.9	

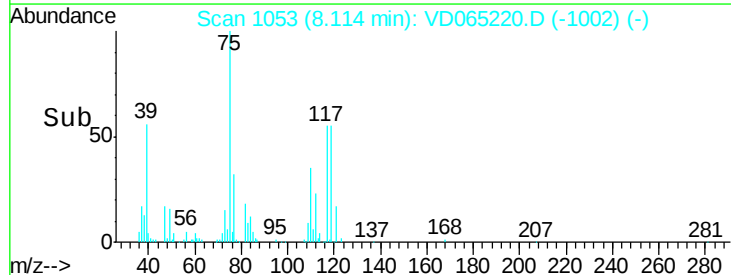
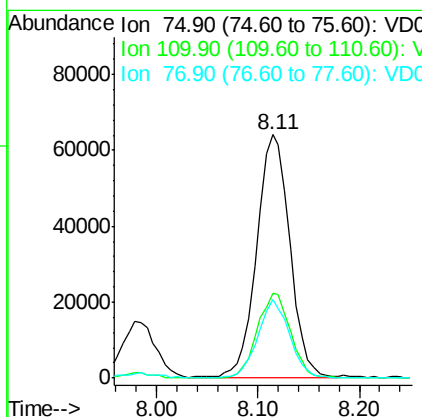
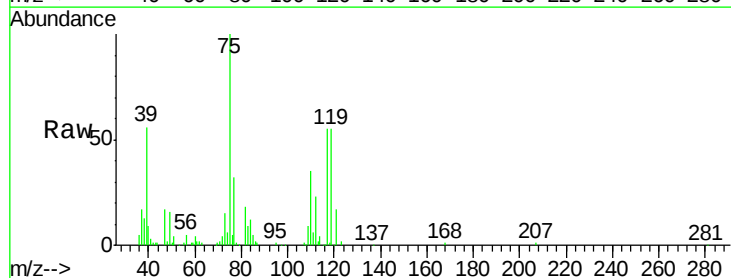
Manual Integrations
APPROVED

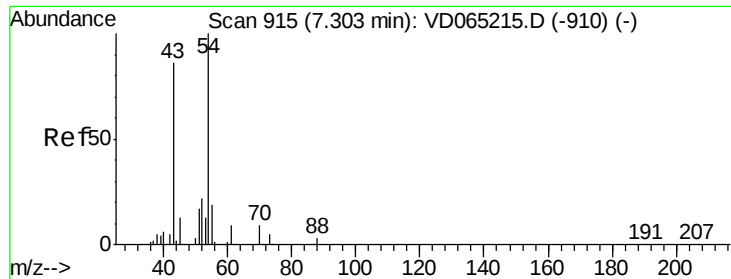
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#36
1,1-Dichloropropene
Concen: 21.492 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	146185		
110	35.0	17.9	53.7	
77	31.2	25.1	37.7	





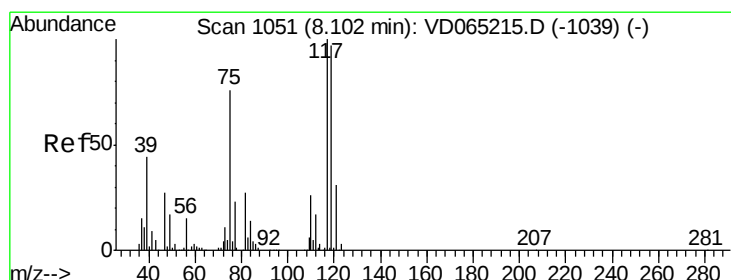
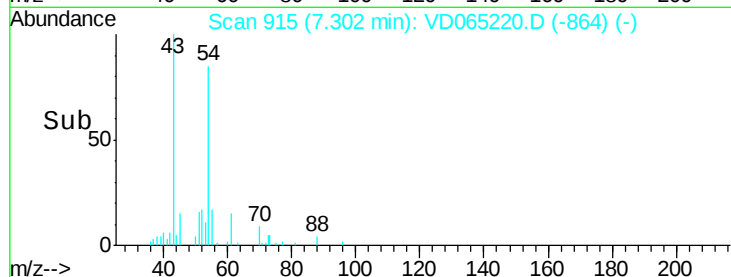
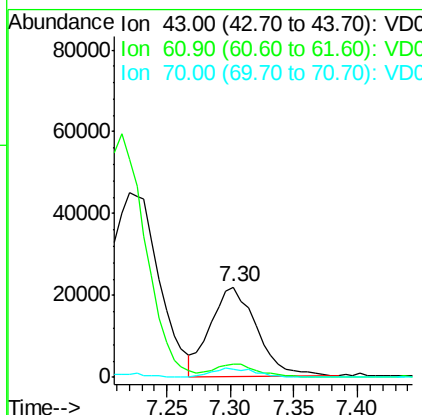
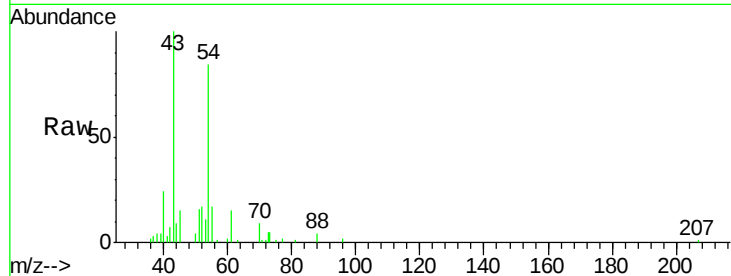
#37
Ethyl Acetate
Concen: 19.329 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.2	16.8
70	9.6	8.2	12.2

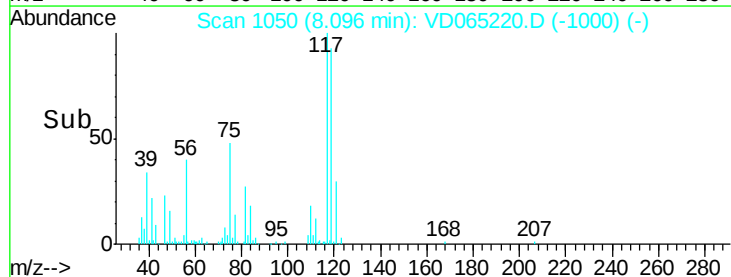
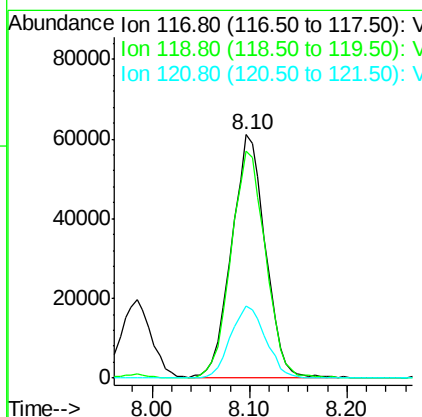
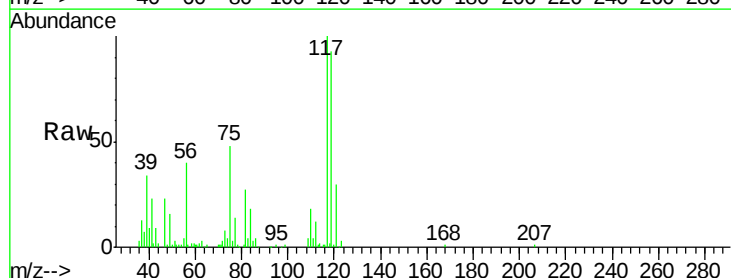
Manual Integrations
APPROVED

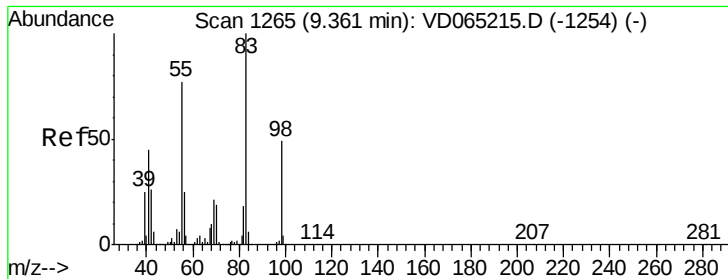
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#38
Carbon Tetrachloride
Concen: 21.001 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.6	116.4
121	29.9	24.8	37.2





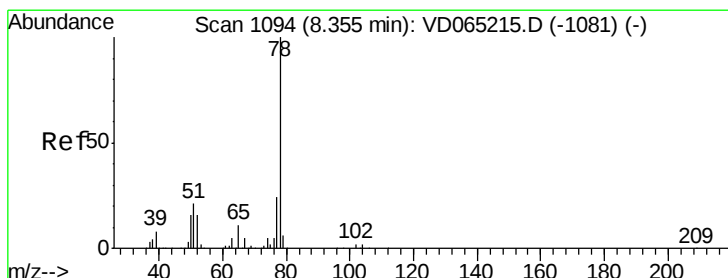
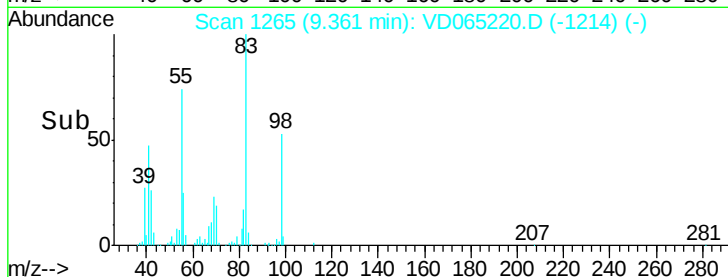
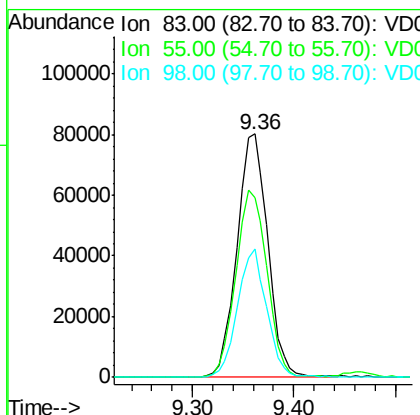
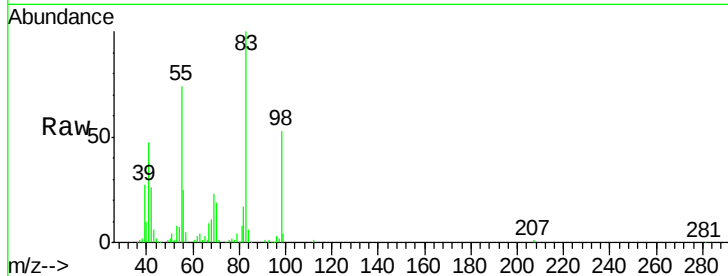
#39
Methvlcvclohexane
Concen: 21.187 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	61.8	92.6
98	52.8	39.4	59.0

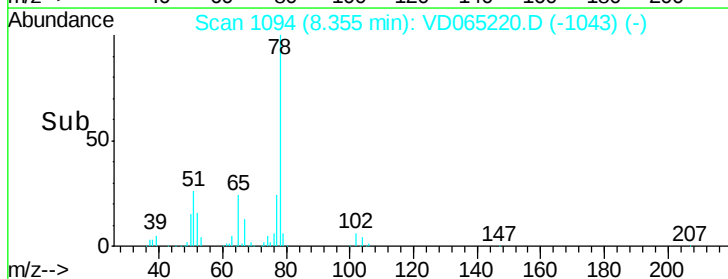
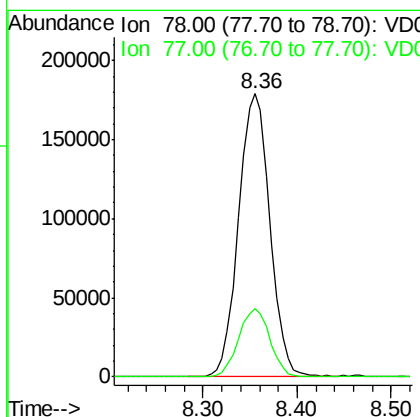
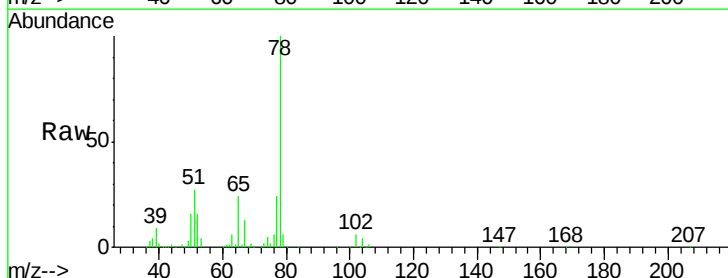
Manual Integrations
APPROVED

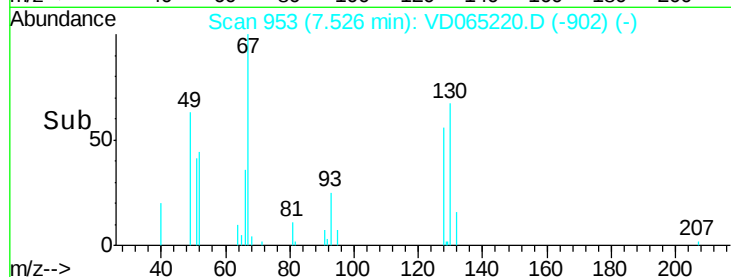
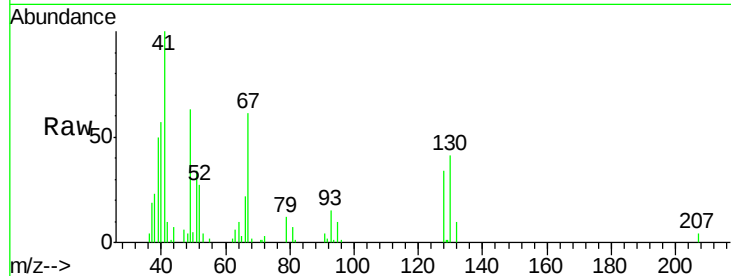
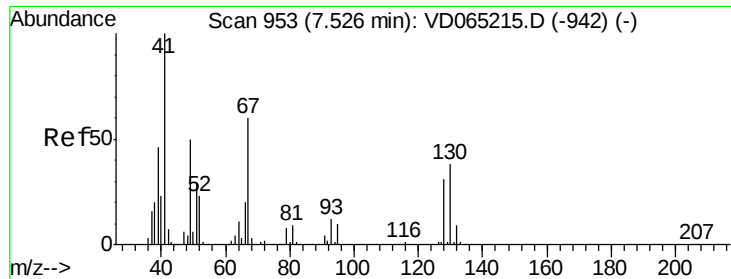
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#40
Benzene
Concen: 21.584 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





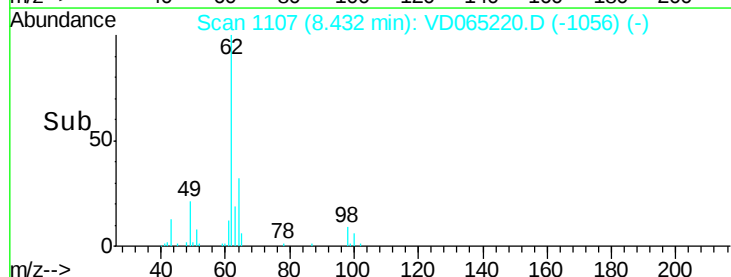
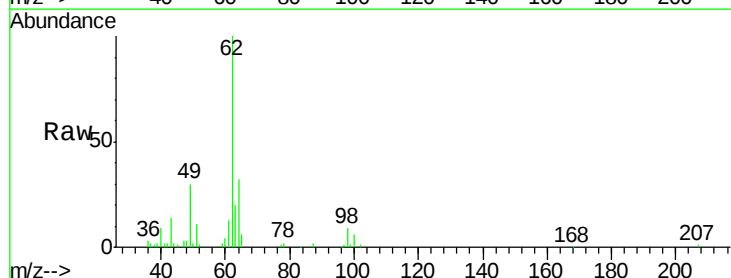
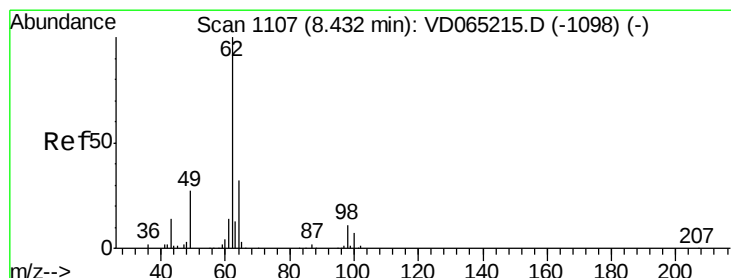
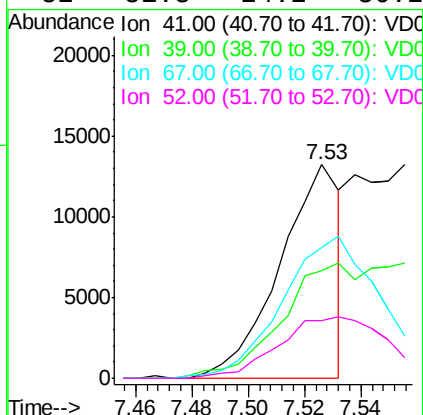
#41
Methacrylonitrile
Concen: 12.092 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tot Ion	Ratio	Resp	Lower	Upper
41	100	19853		
39	65.8		48.1	72.1
67	110.9		58.9	88.3#
52	51.8		24.2	36.2#

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

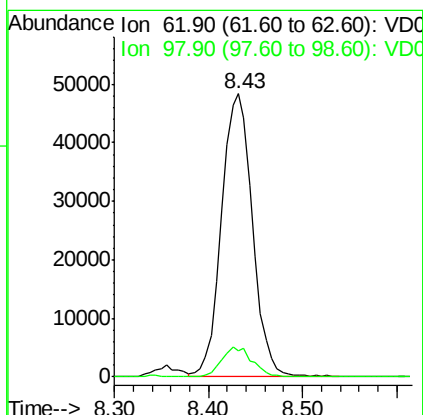
Manual Integrations
APPROVED

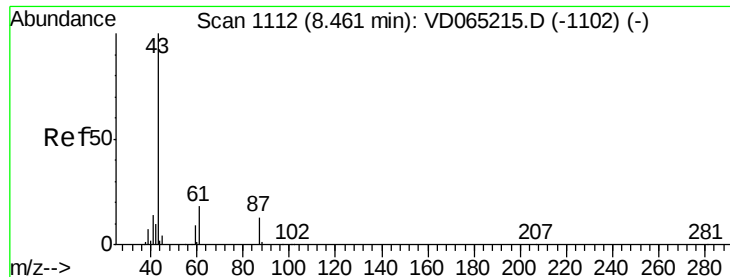
MMDadoda
2/19/2020 1:44:25 PM



#42
1,2-Dichloroethane
Concen: 21.025 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	110973		
98	10.3		0.0	20.6





#43

Isopropyl Acetate

Concen: 20.281 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

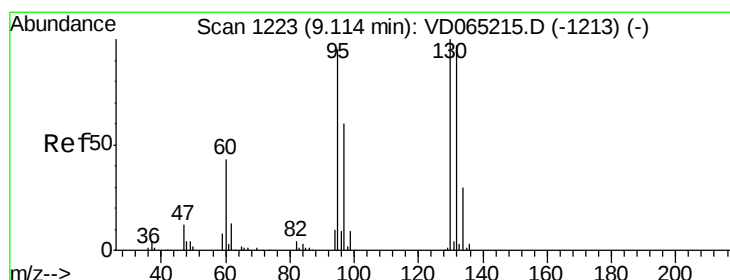
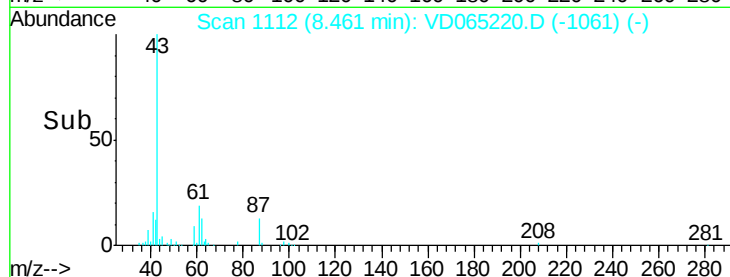
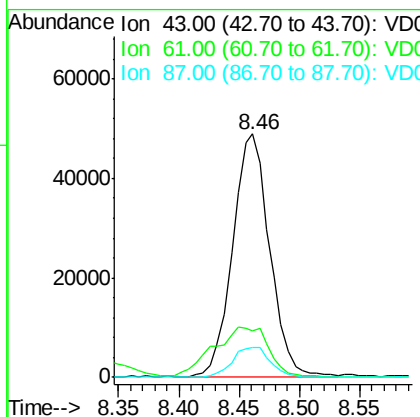
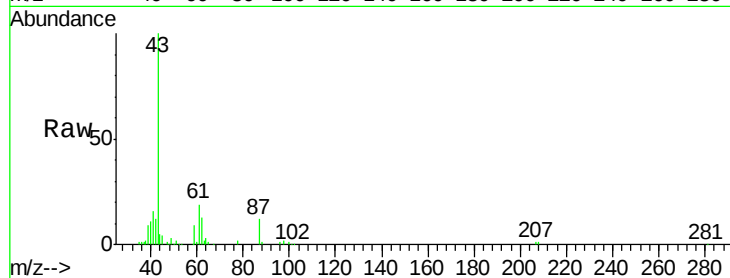
ClientSampleId :

VD0218SBS01

Tot Ion:	43	Resp:	104868
Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.6	36.8
87	12.6	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 21.497 ug/l

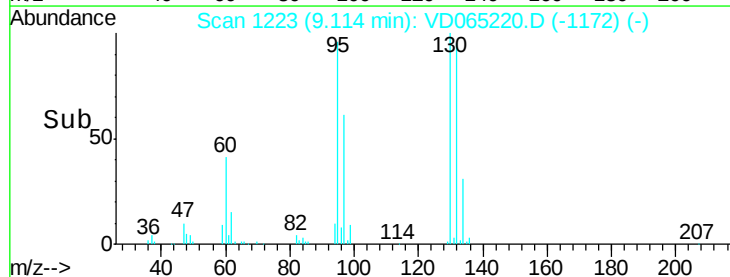
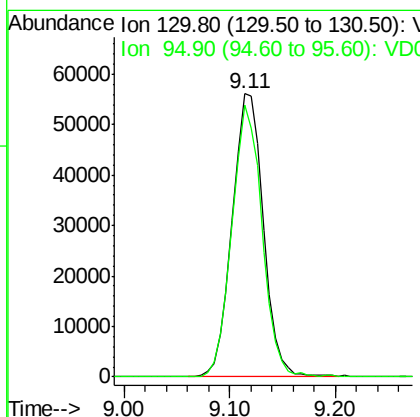
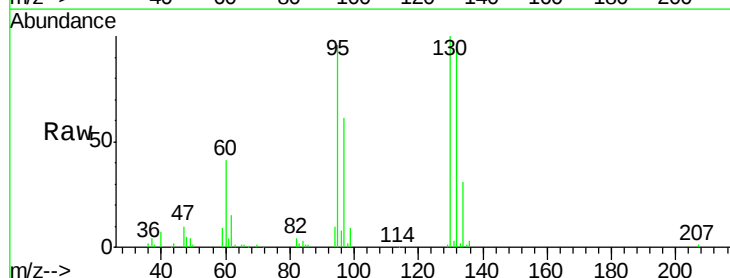
RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Tgt Ion:	130	Resp:	114404
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	190.6





#45

1,2-Dichloropropane

Concen: 20.792 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 63 Resp: 99260

Ion Ratio Lower Upper

63 100

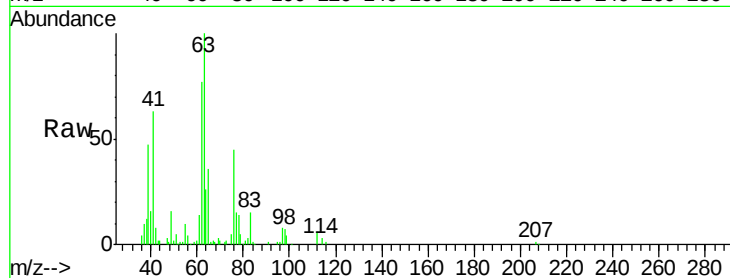
65 35.8 24.9 37.3

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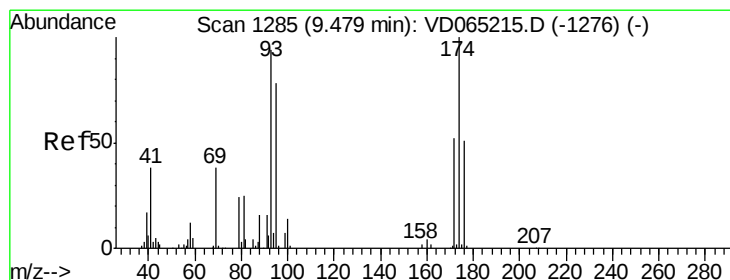
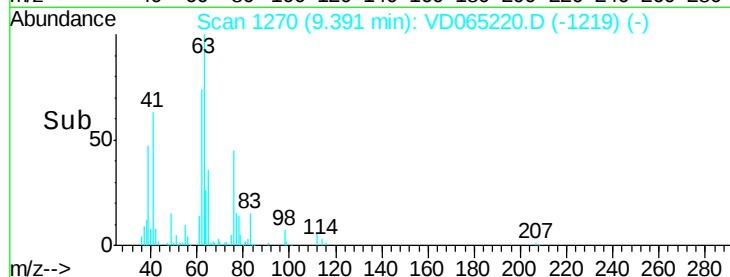
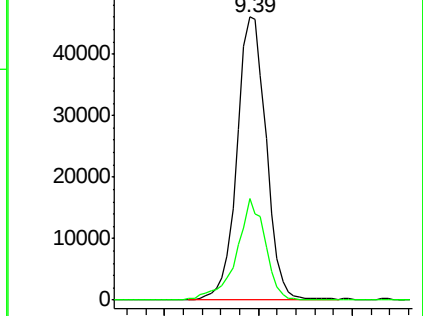
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.020 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

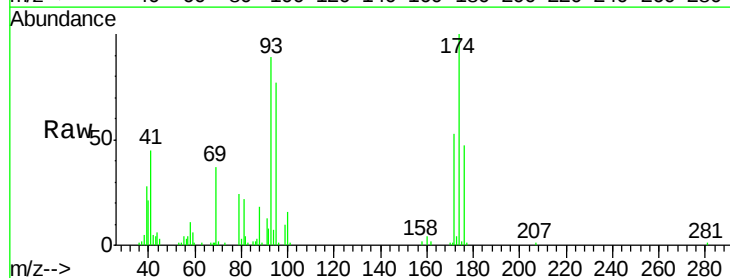
Tgt Ion: 93 Resp: 51631

Ion Ratio Lower Upper

93 100

95 81.5 65.8 98.6

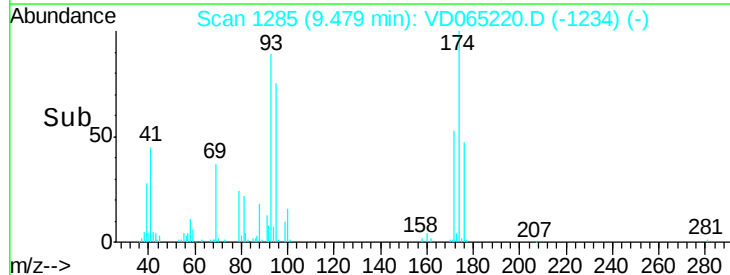
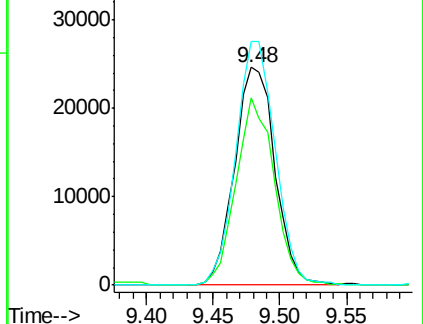
174 109.4 86.8 130.2

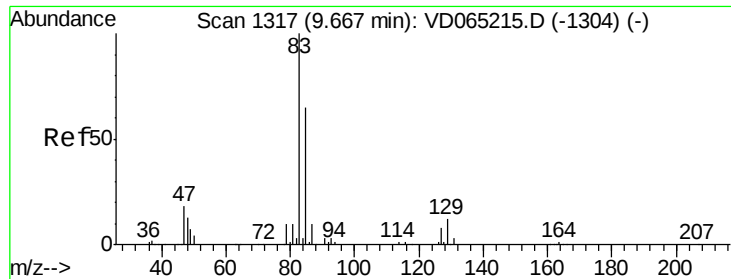


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 21.361 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

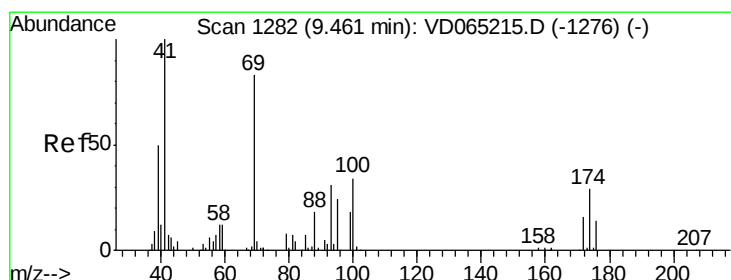
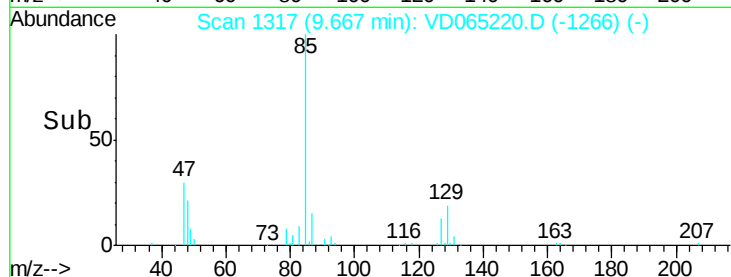
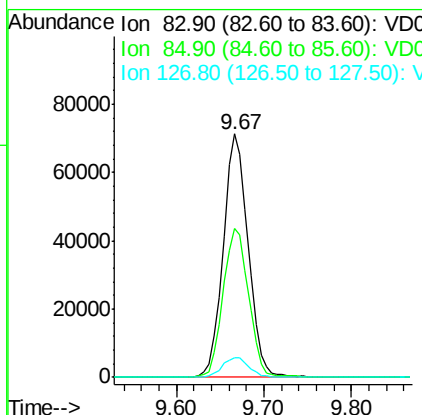
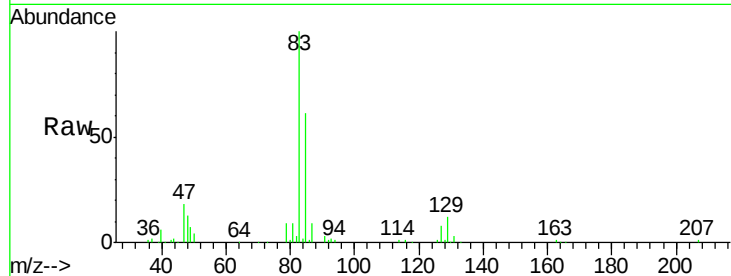
ClientSampleId :

VD0218SBS01

Tot Ion:	83	Resp:	138277
Ion Ratio	Lower	Upper	
83	100		
85	61.3	52.0	78.0
127	7.8	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.294 ug/l

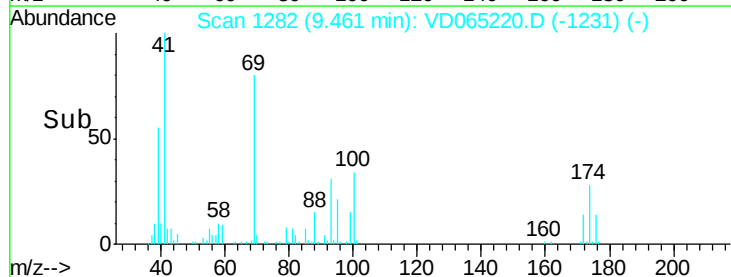
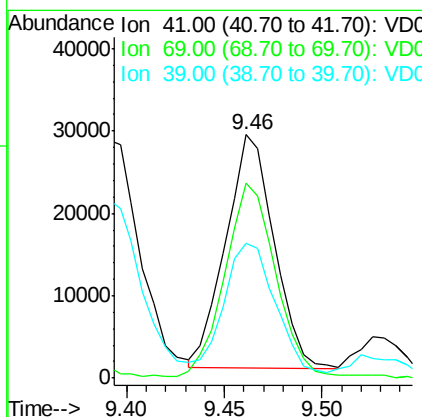
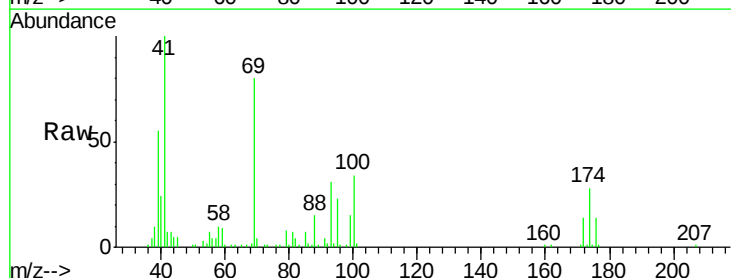
RT: 9.46 min Scan# 1282

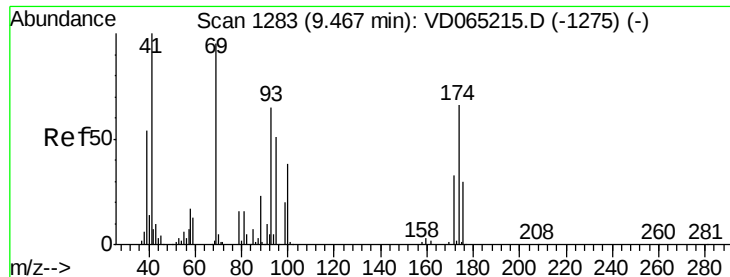
Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Tgt Ion:	41	Resp:	48504
Ion Ratio	Lower	Upper	
41	100		
69	89.5	68.2	102.2
39	57.8	42.0	63.0





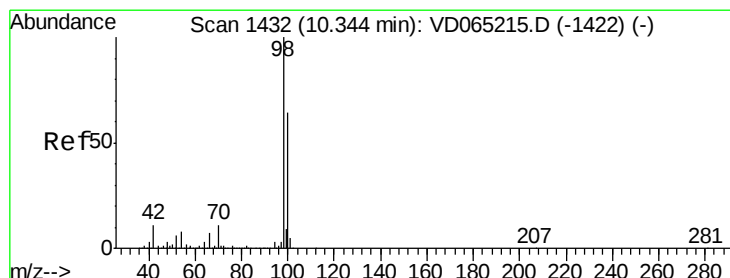
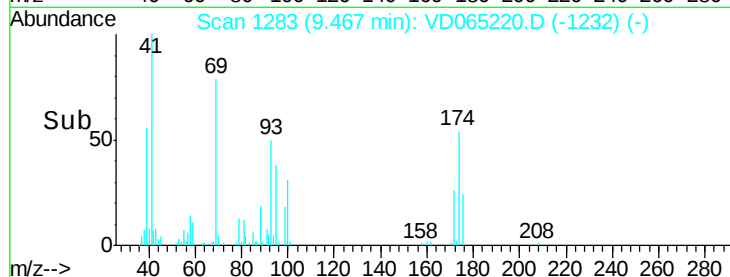
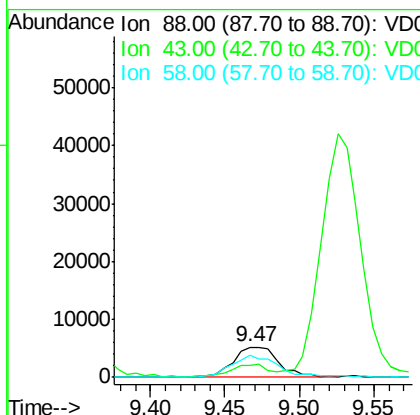
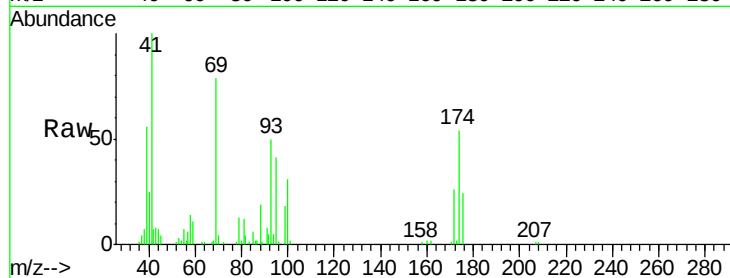
#49
1,4-Dioxane
Concen: 388.457 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.5	42.7
58	76.5	58.6	87.8

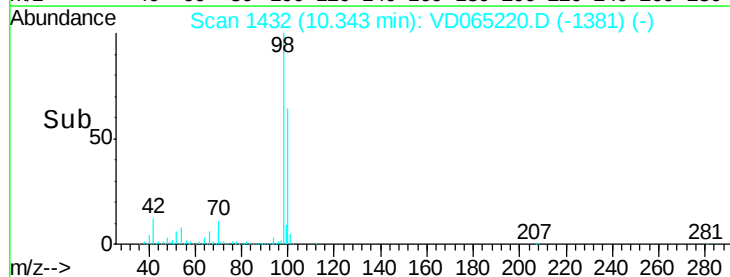
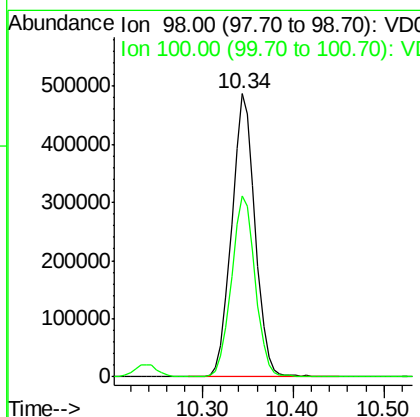
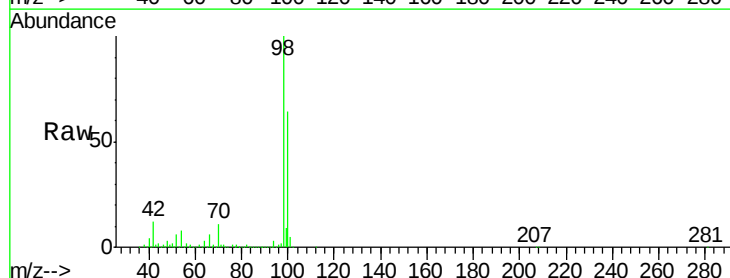
Manual Integrations
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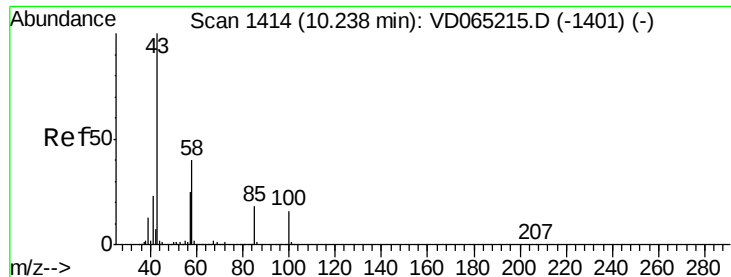
MMDadoda
2/19/2020 1:44:25 PM



#50
Toluene-d8
Concen: 53.695 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 101.055 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 43 Resp: 265404

Ion Ratio Lower Upper

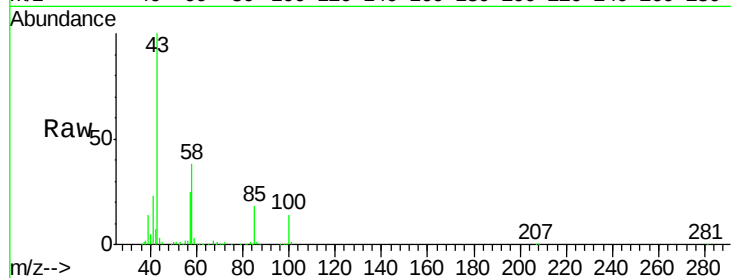
43 100

58 38.0 31.1 46.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

150000

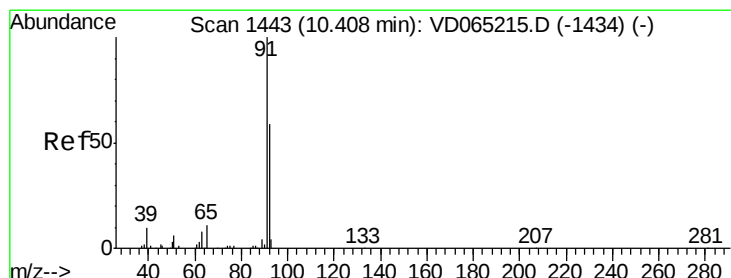
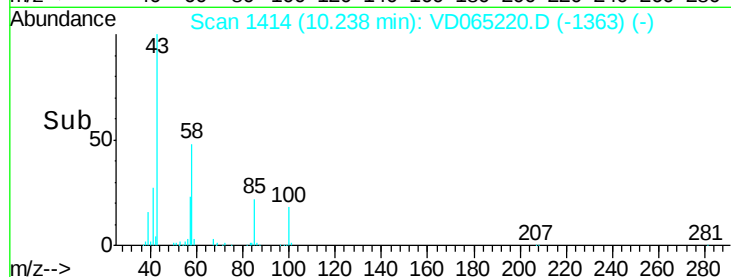
100000

50000

0

10.20 10.30

Time-->



#52

Toluene

Concen: 21.947 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065220.D

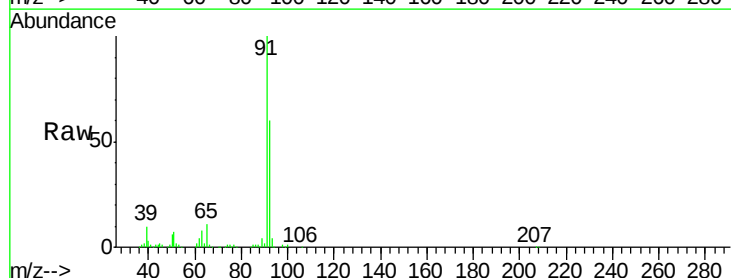
Acq: 18 Feb 2020 15:51

Tgt Ion: 92 Resp: 260809

Ion Ratio Lower Upper

92 100

91 171.5 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

250000

200000

150000

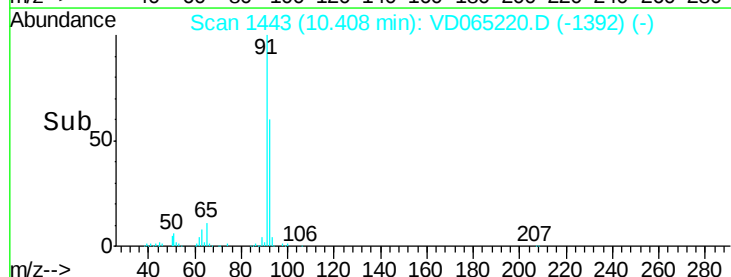
100000

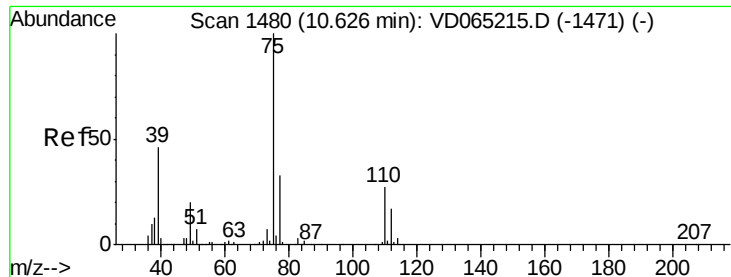
50000

0

10.30 10.40 10.50

Time-->





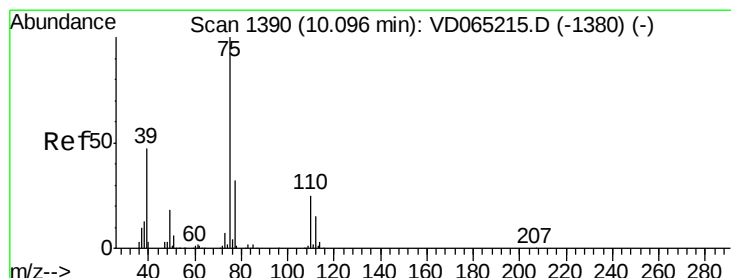
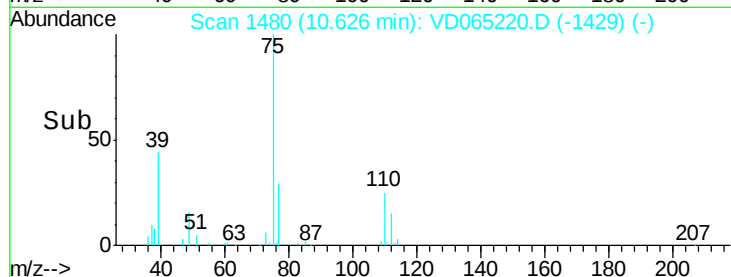
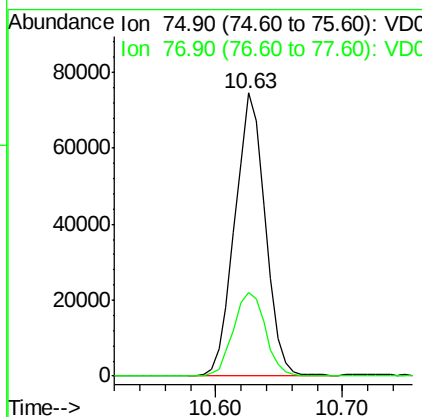
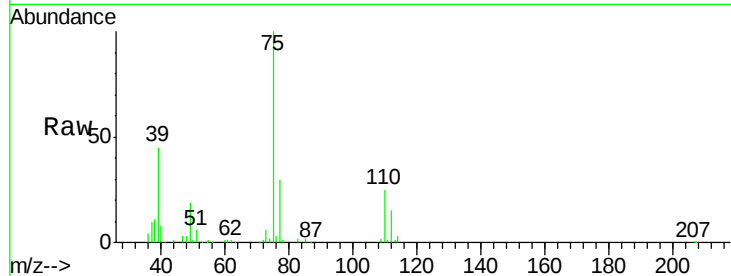
#53
 t-1,3-Dichloropropene
 Concen: 20.665 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.5	26.6	40.0

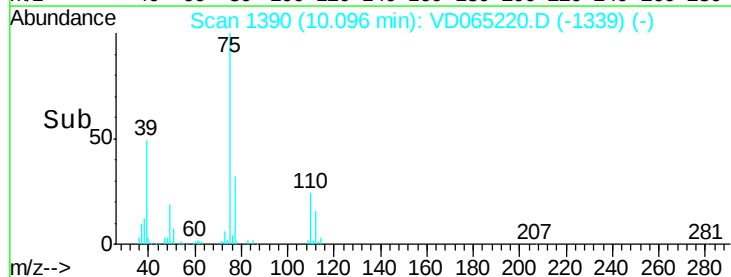
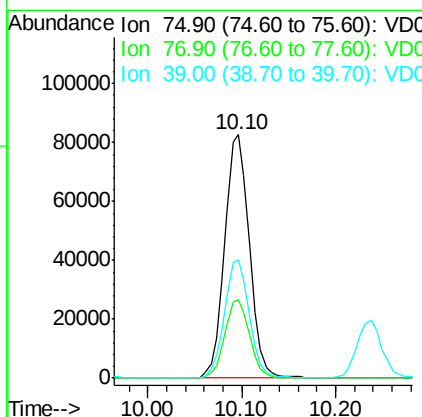
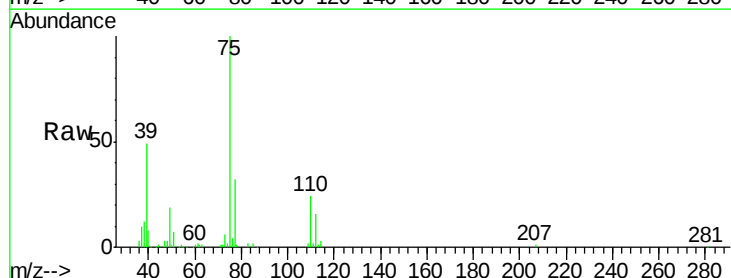
Manual Integrations
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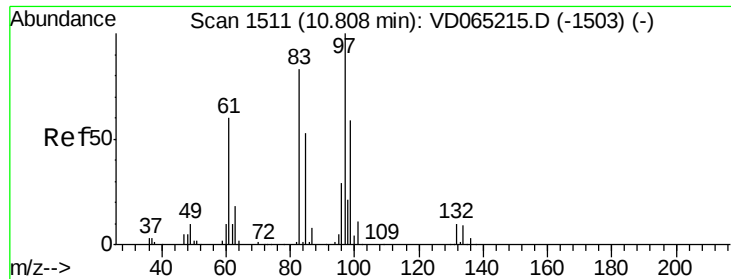
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#54
 cis-1,3-Dichloropropene
 Concen: 20.842 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.8	38.8
39	48.7	37.3	55.9





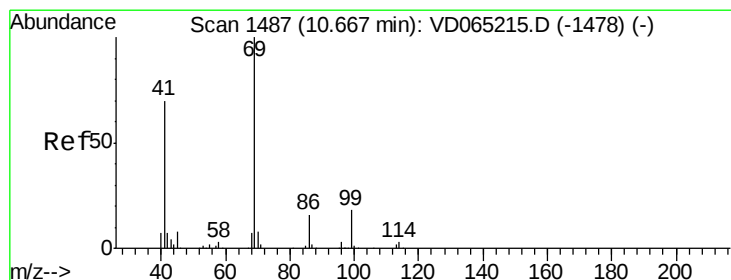
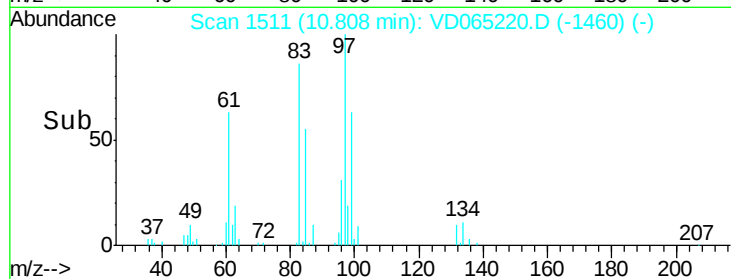
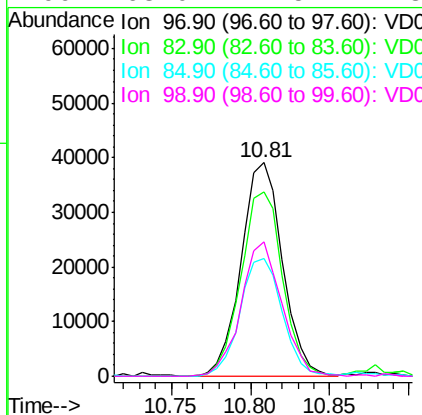
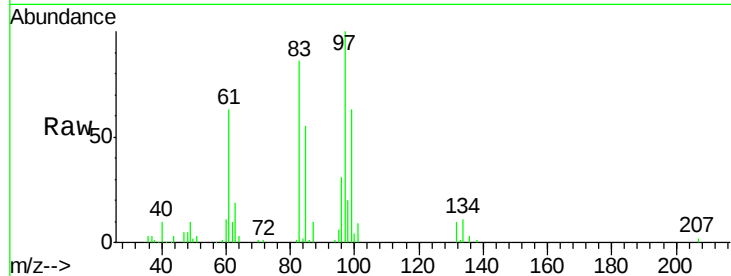
#55
 1,1,2-Trichloroethane
 Concen: 20.518 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion:	97	Resp:	70935
Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.7	100.1
85	54.9	42.4	63.6
99	63.0	47.5	71.3

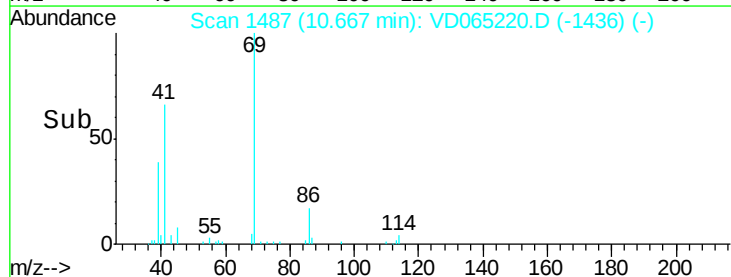
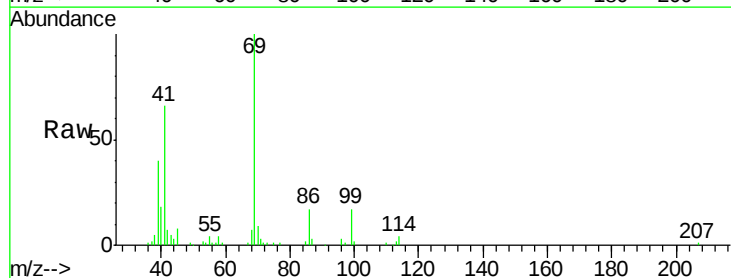
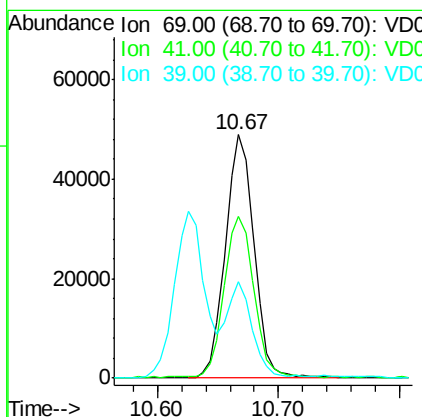
Manual Integrations
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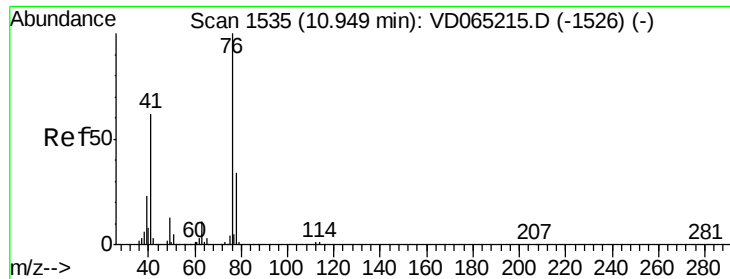
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 2/19/2020 1:44:25 PM



#56
 Ethyl methacrylate
 Concen: 20.289 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion:	69	Resp:	80961
Ion	Ratio	Lower	Upper
69	100		
41	67.3	54.6	81.8
39	34.7	26.5	39.7





#57

1,3-Dichloropropane

Concen: 20.645 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 76 Resp: 121477

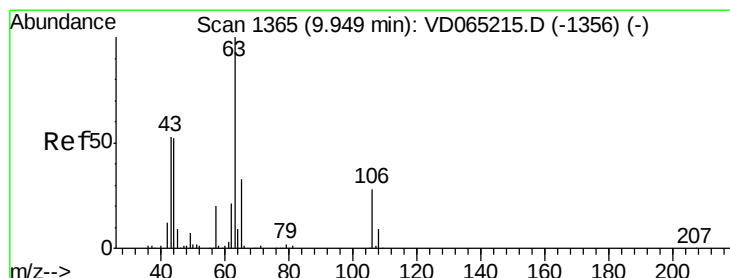
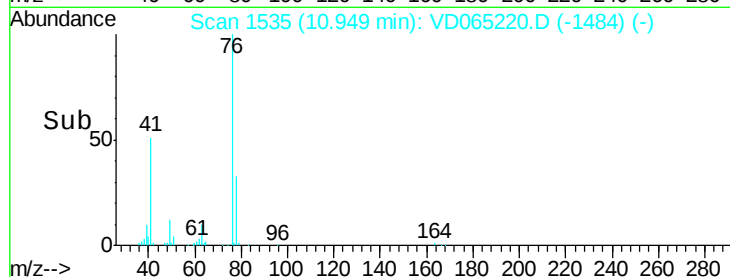
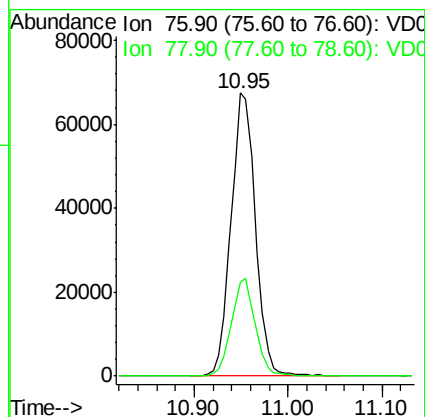
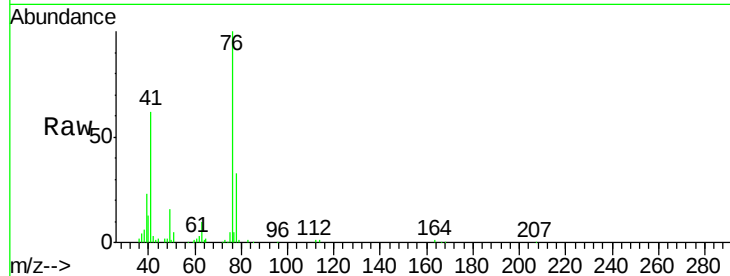
Ion Ratio Lower Upper

76 100

78 33.7 26.3 39.5

Manual Integrations
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2/19/2020 1:44:25 PM



#58

2-Chloroethyl Vinyl ether

Concen: 95.908 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065220.D

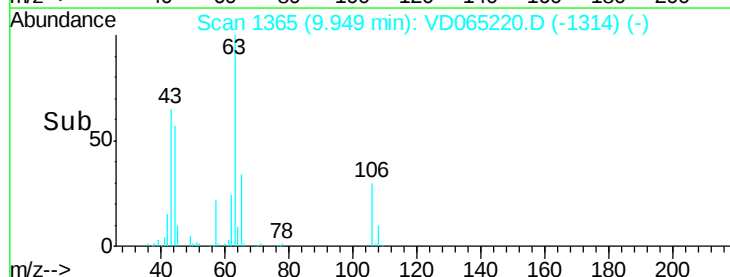
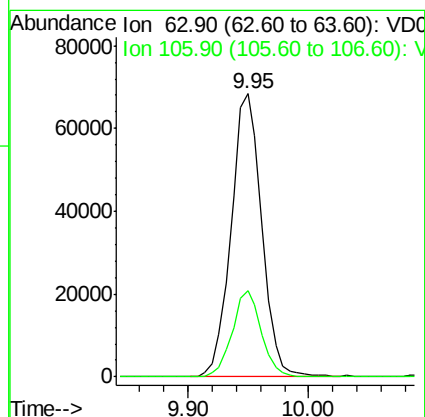
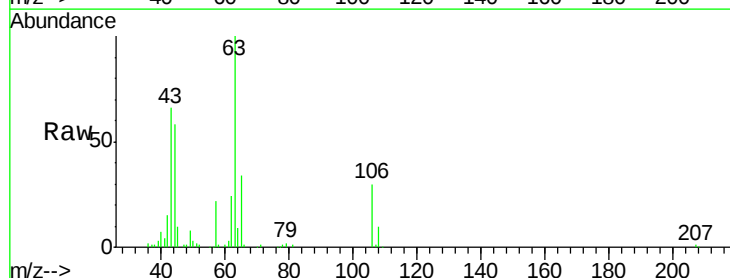
Acq: 18 Feb 2020 15:51

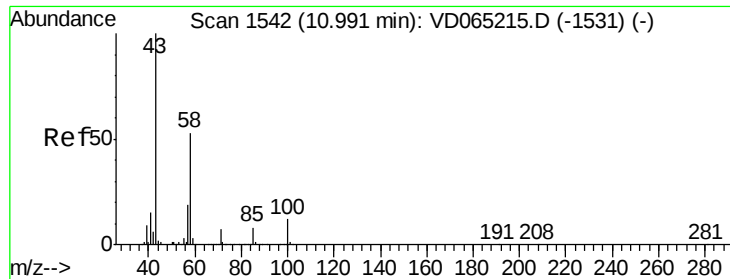
Tgt Ion: 63 Resp: 120659

Ion Ratio Lower Upper

63 100

106 29.0 22.8 34.2





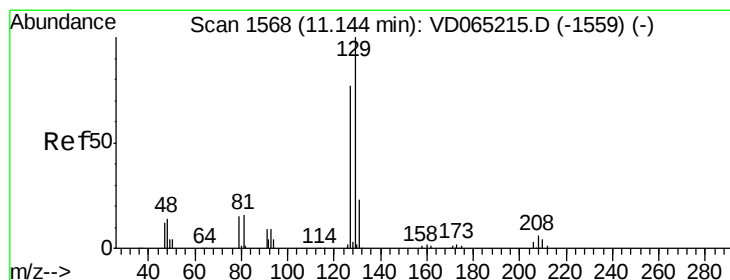
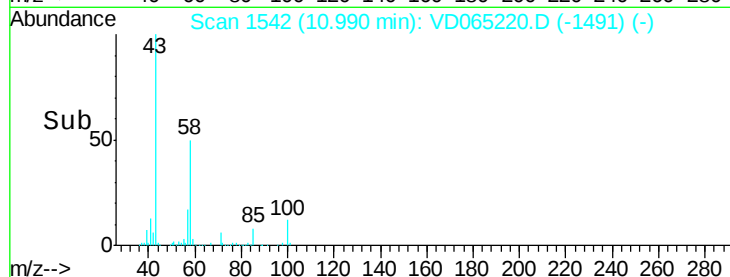
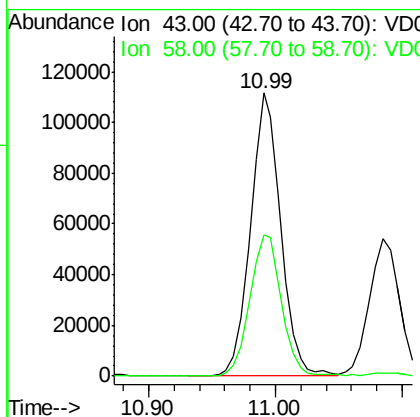
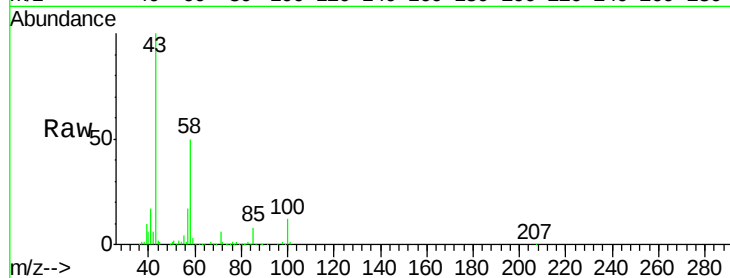
#59
2-Hexanone
Concen: 98.290 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.3	78.8

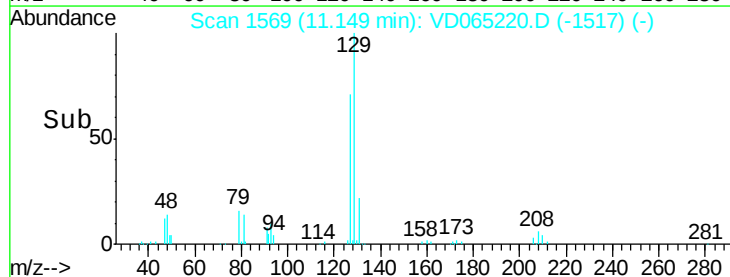
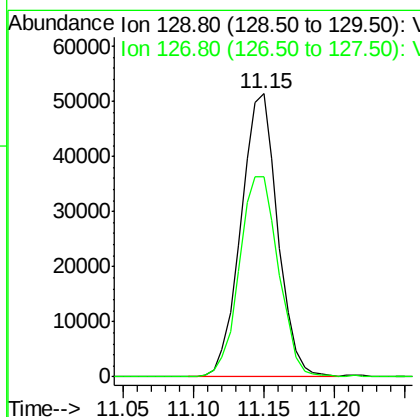
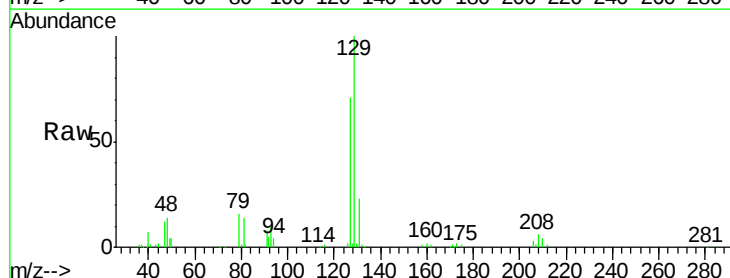
Manual Integrations
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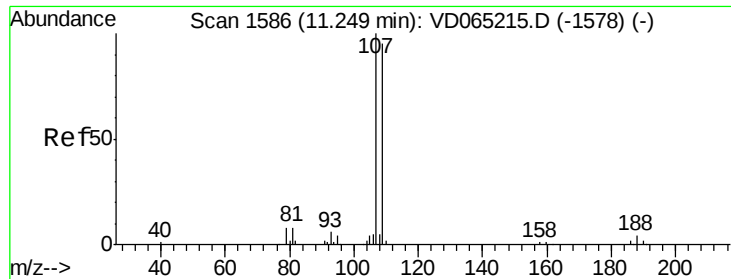
MMDadoda
2/19/2020 1:44:25 PM



#60
Dibromochloromethane
Concen: 21.168 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.7	116.1





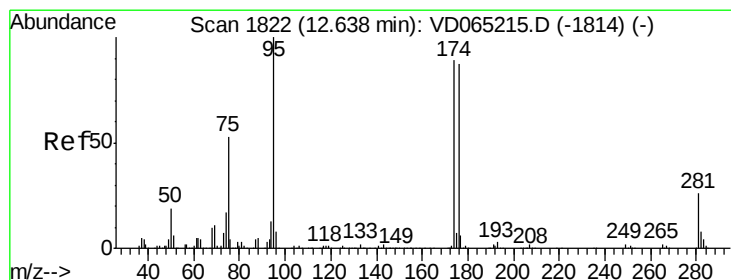
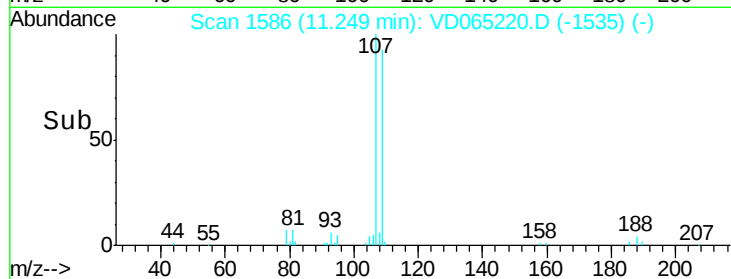
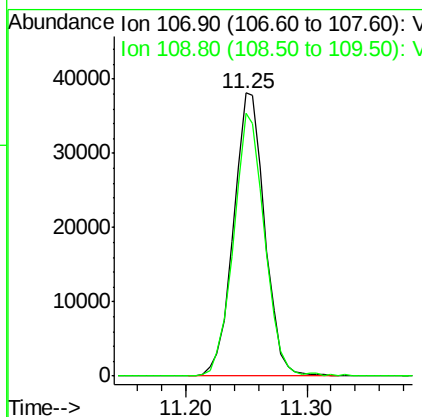
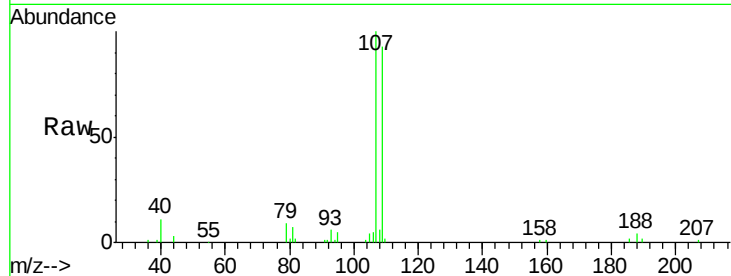
#61
 1,2-Dibromoethane
 Concen: 20.914 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	76.2	114.4

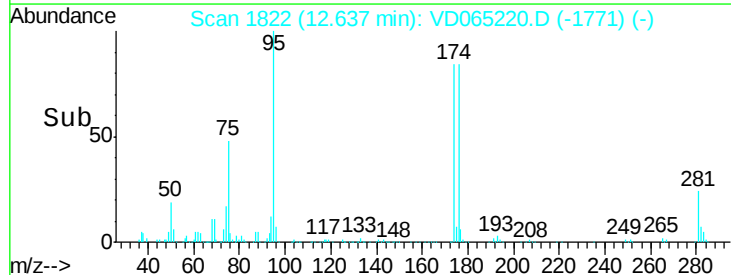
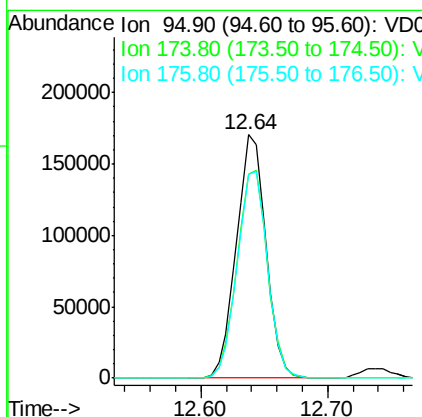
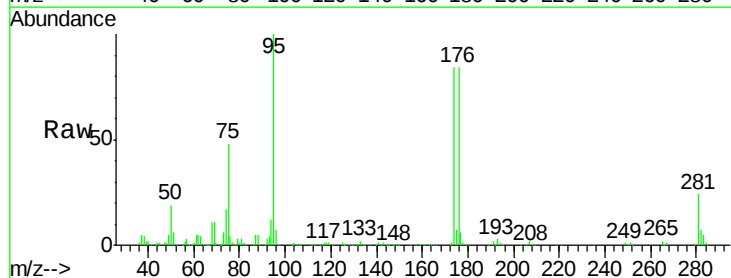
Manual Integrations
 APPROVED

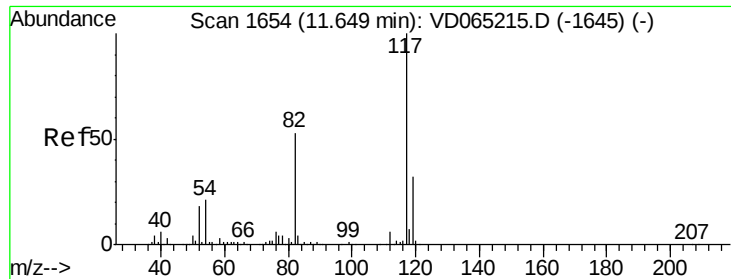
MMDadoda
 2/19/2020 1:44:25 PM



#62
 4-Bromofluorobenzene
 Concen: 53.350 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	178.0
176	86.9	0.0	174.4





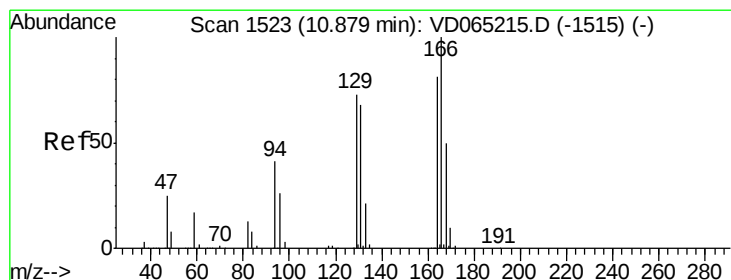
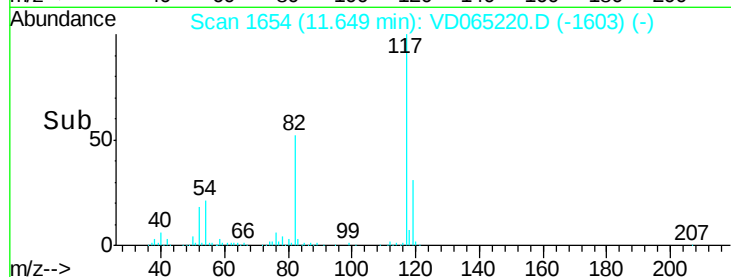
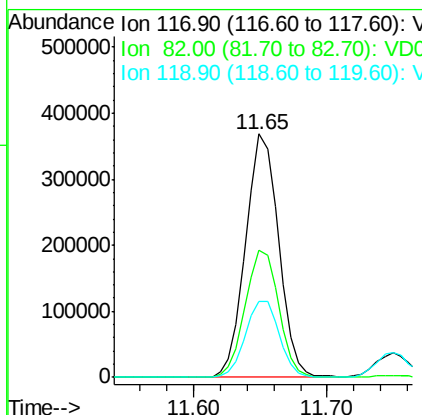
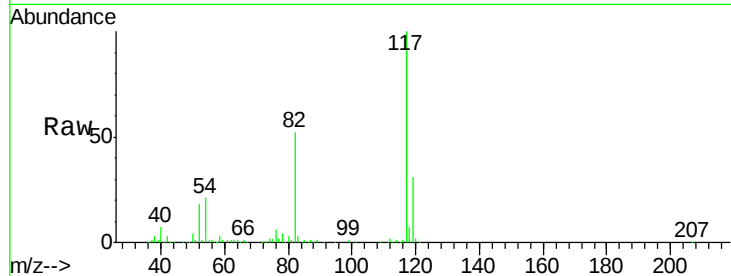
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.7	64.1
119	31.3	25.5	38.3

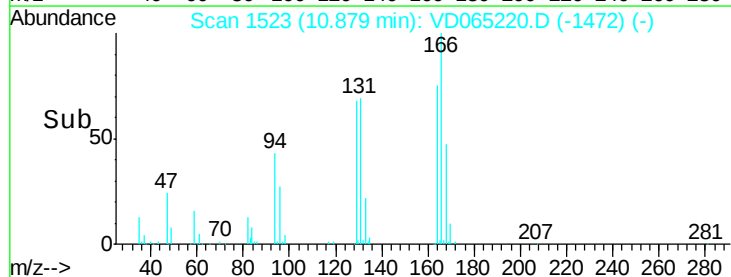
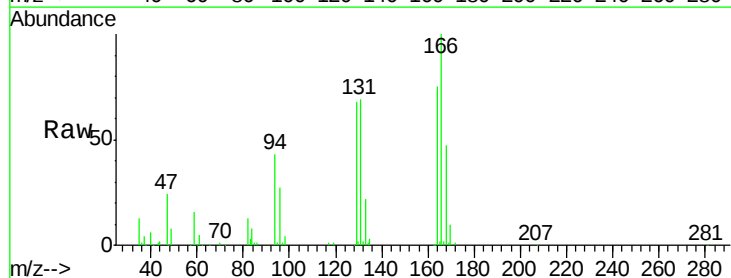
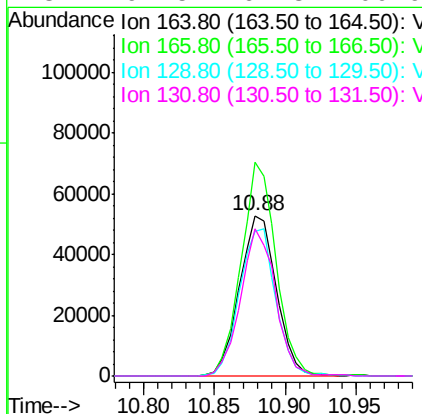
Manual Integrations
APPROVED

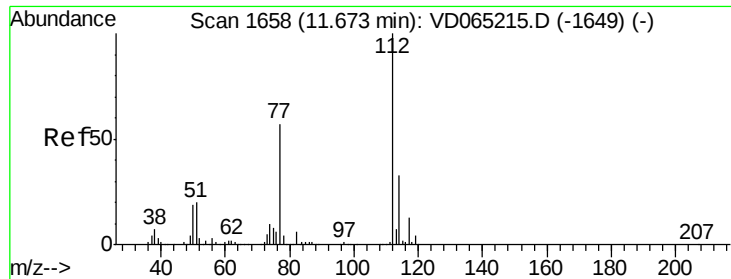
MMDadoda
2/19/2020 1:44:25 PM



#64
Tetrachloroethene
Concen: 21.509 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.1	98.4	147.6
129	90.3	71.6	107.4
131	91.5	67.3	100.9





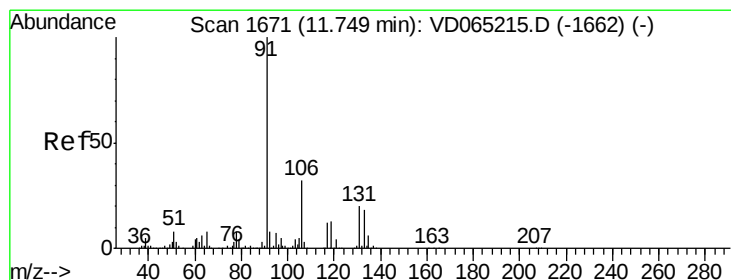
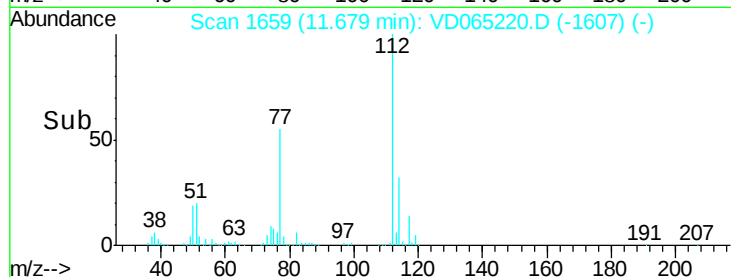
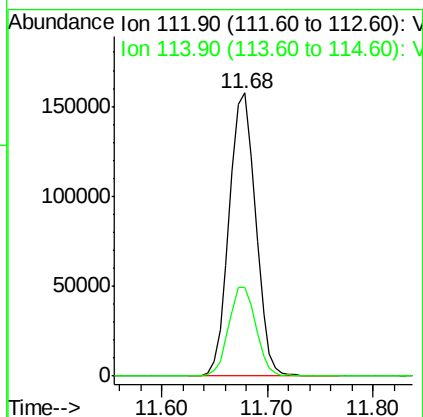
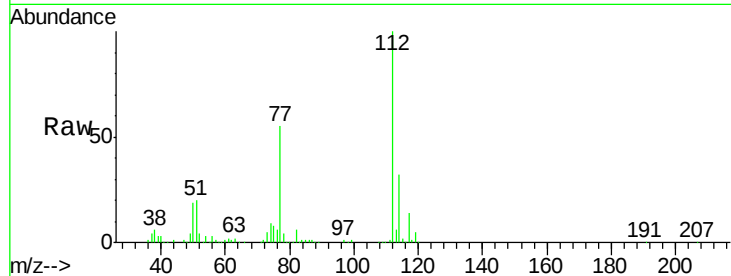
#65
Chlorobenzene
Concen: 21.613 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.4	39.6

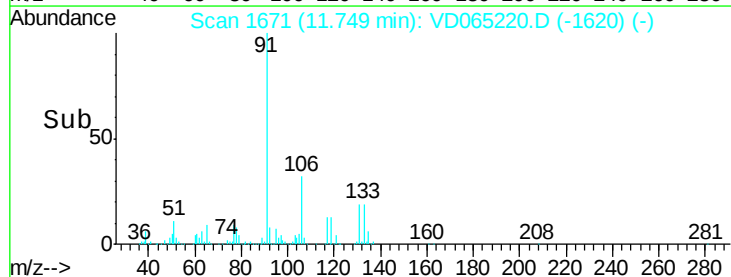
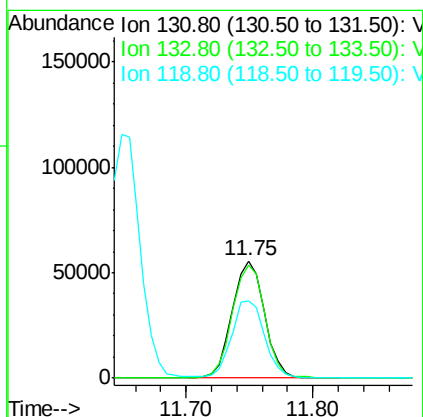
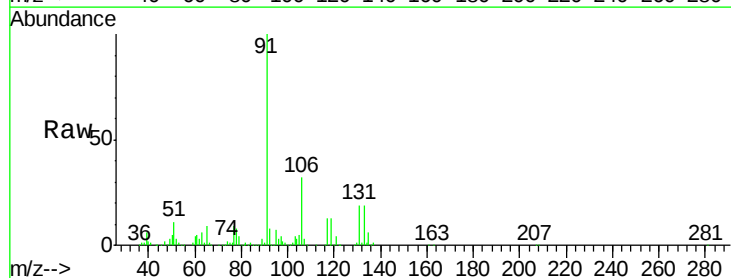
Manual Integrations
APPROVED

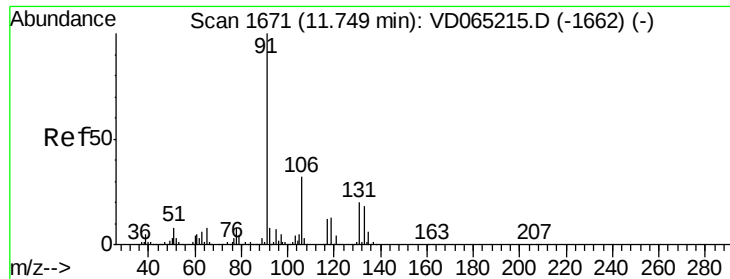
MMDadoda
2/19/2020 1:44:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.723 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.6	47.7	143.1
119	67.5	32.7	98.1





#67

Ethyl Benzene

Concen: 21.467 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 91 Resp: 475979

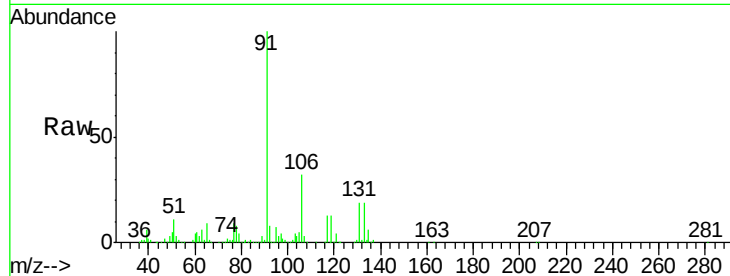
Ion Ratio Lower Upper

91 100

106 31.8 25.2 37.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

400000

300000

200000

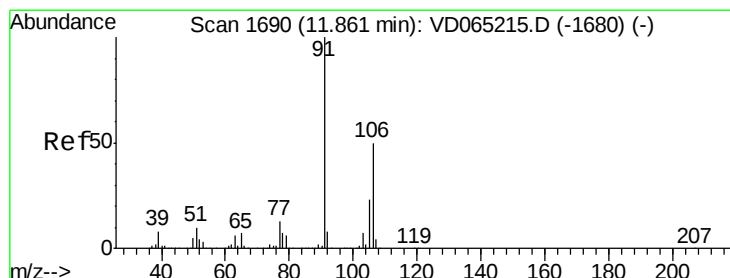
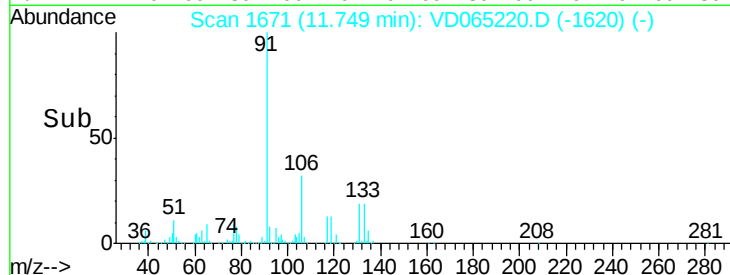
100000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 44.324 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065220.D

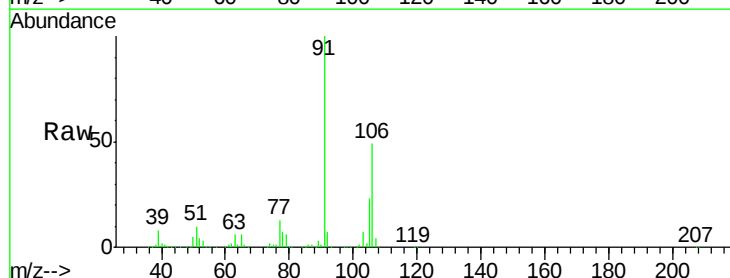
Acq: 18 Feb 2020 15:51

Tgt Ion: 106 Resp: 376002

Ion Ratio Lower Upper

106 100

91 194.7 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

400000

300000

200000

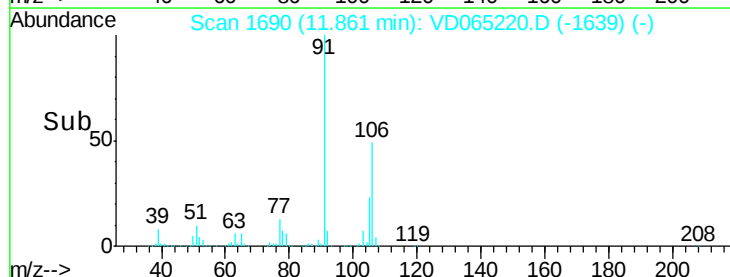
100000

0

11.86

11.90

Time-->





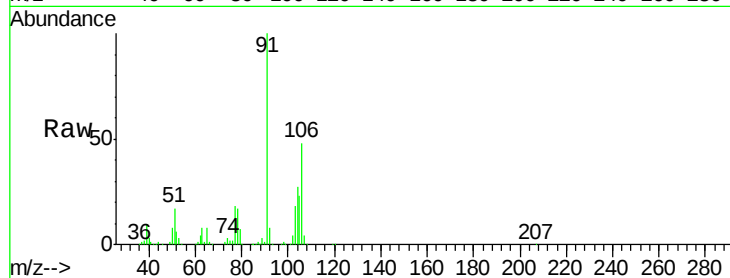
#69
o-Xylene
Concen: 21.638 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

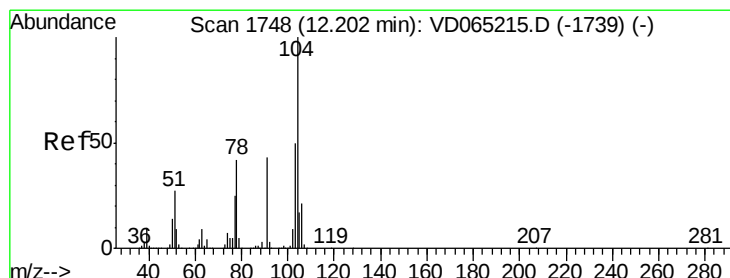
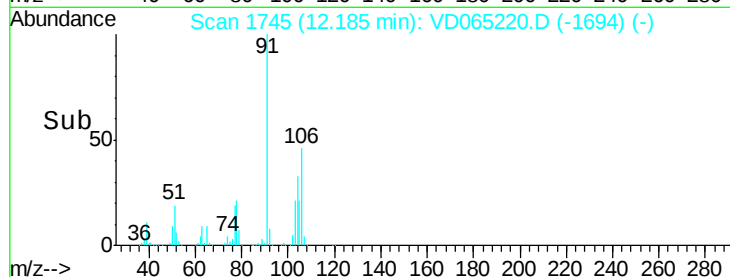
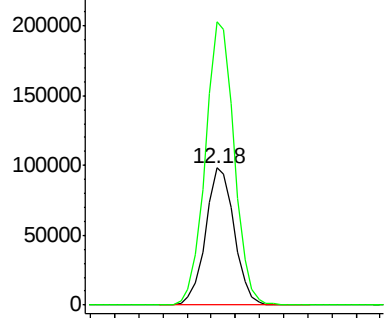
Tot Ion	Ratio	Lower	Upper
106	100		
91	208.3	104.7	313.9

Manual Integrations
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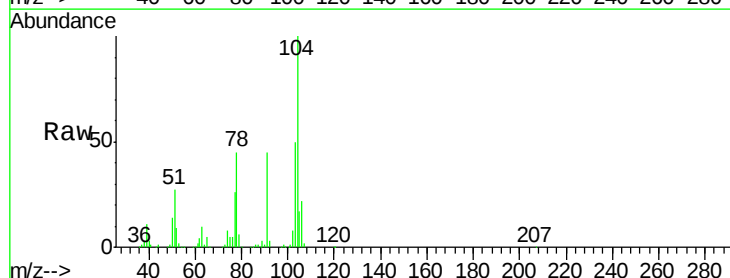


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

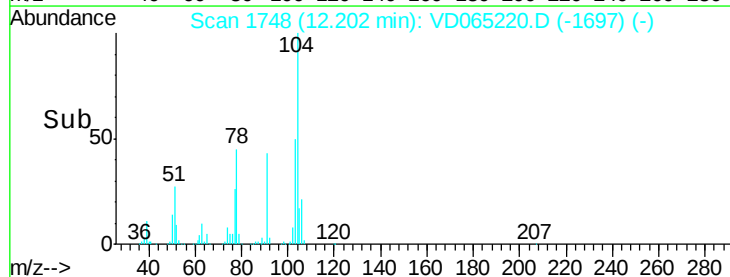
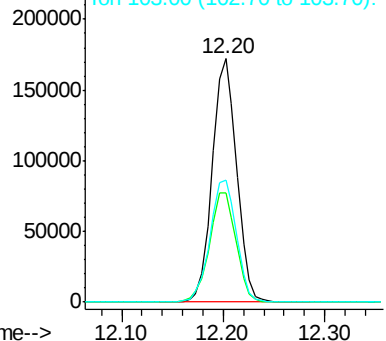


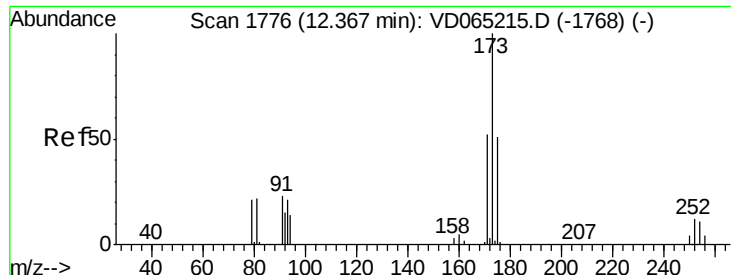
#70
Styrene
Concen: 21.563 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	37.8	56.6
103	54.5	43.4	65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





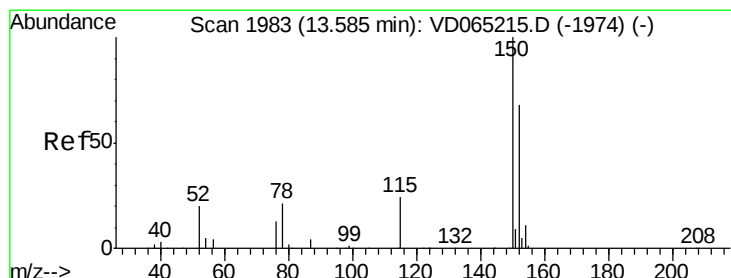
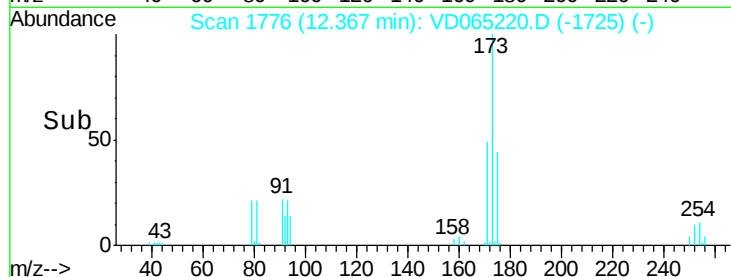
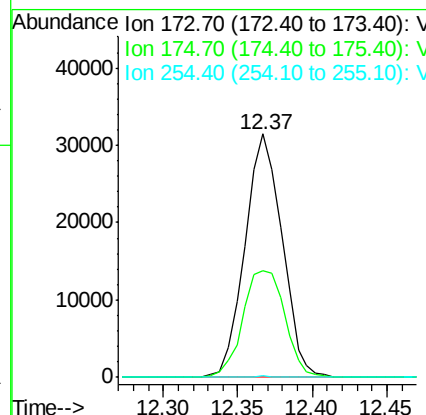
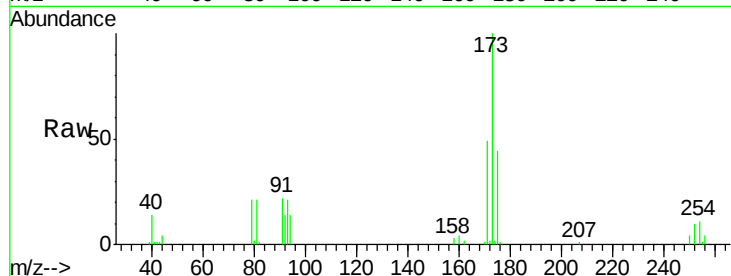
#71
Bromoform
Concen: 20.660 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.4	73.4
254	0.1	0.0	0.0#

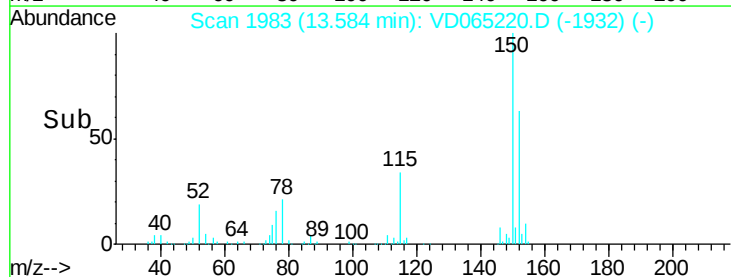
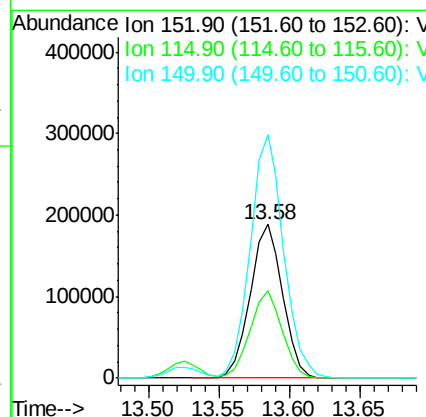
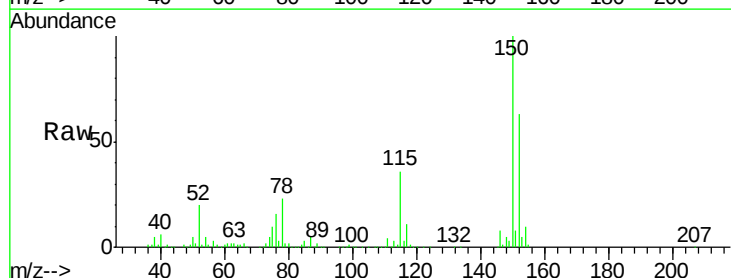
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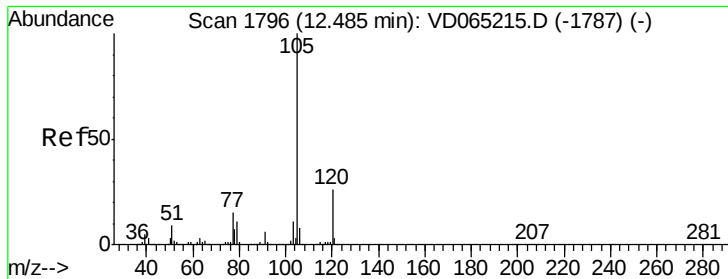
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.6	82.8
150	163.2	0.0	347.4





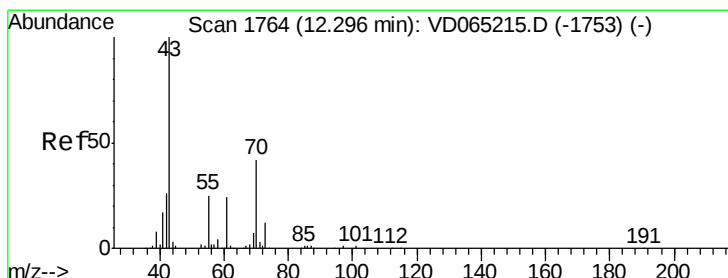
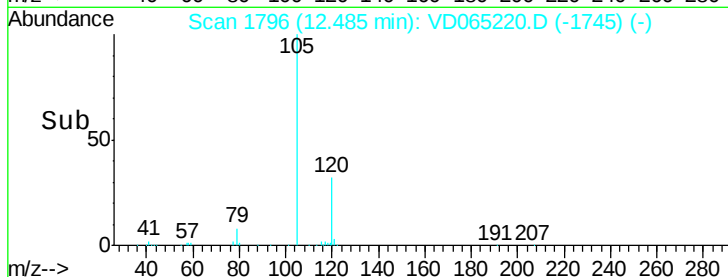
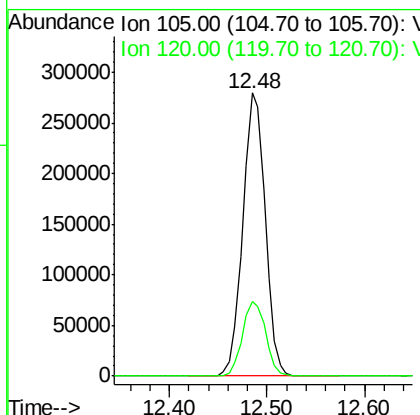
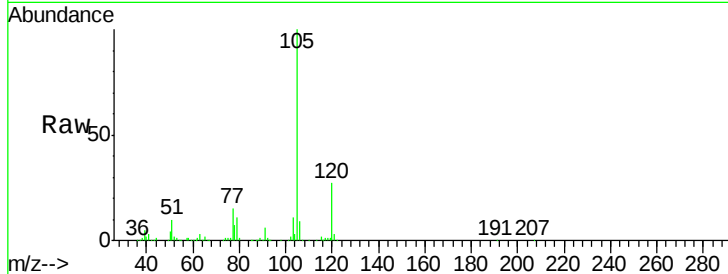
#73
Isopropylbenzene
Concen: 22.269 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	448228		
120	27.3	13.3	39.9	

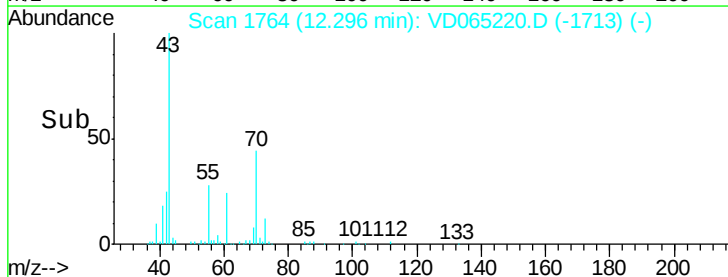
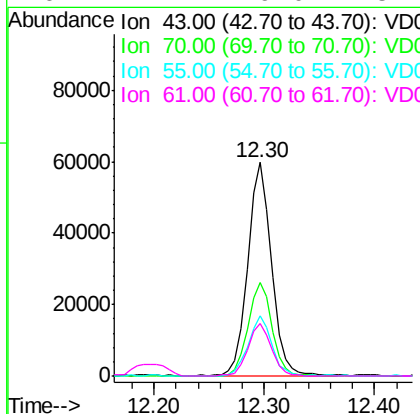
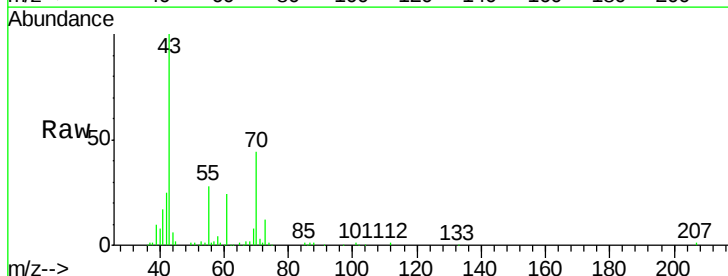
Manual Integrations
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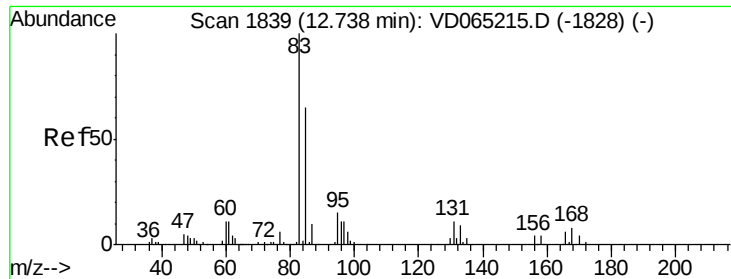
MMDadoda
2/19/2020 1:44:25 PM



#74
N-ethyl acetate
Concen: 20.278 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	90691		
70	44.1	33.7	50.5	
55	28.0	20.7	31.1	
61	24.1	19.0	28.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 20.912 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

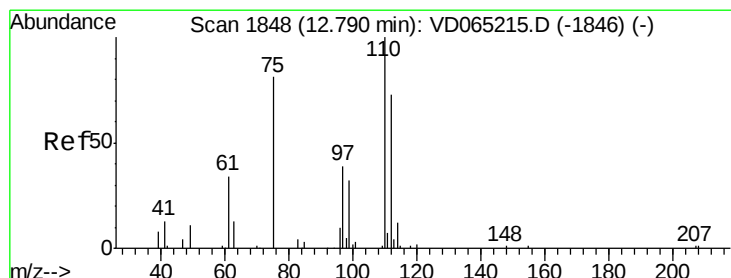
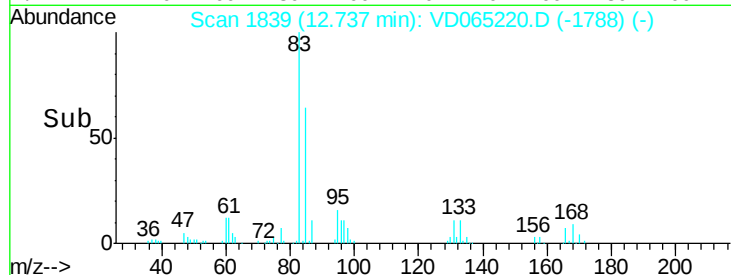
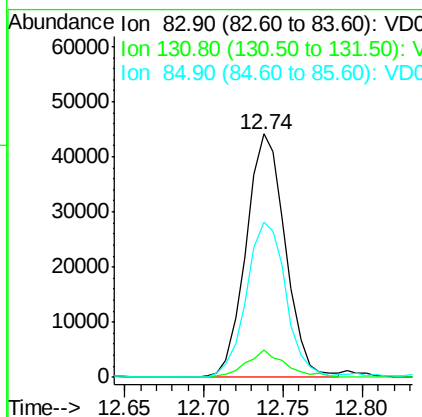
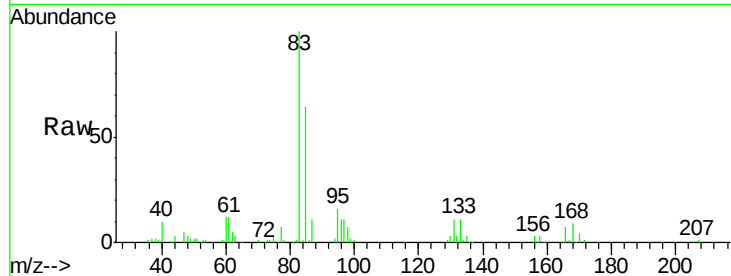
ClientSampleId :

VD0218SBS01

Tot Ion:	83	Resp:	75964
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	64.4	31.6	94.8

Manual Integrations
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2/19/2020 1:44:25 PM



#76

1,2,3-Trichloropropane

Concen: 19.941 ug/l m

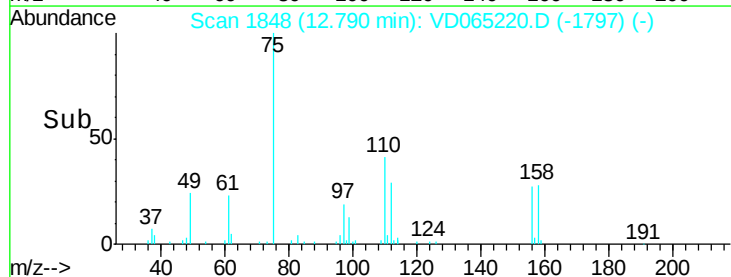
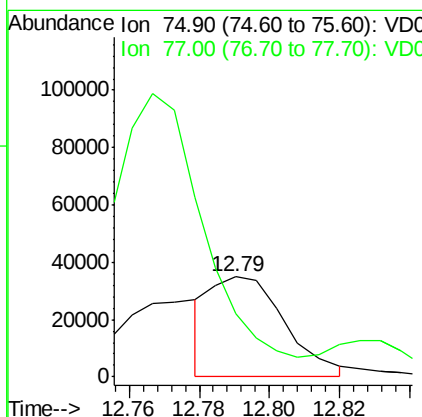
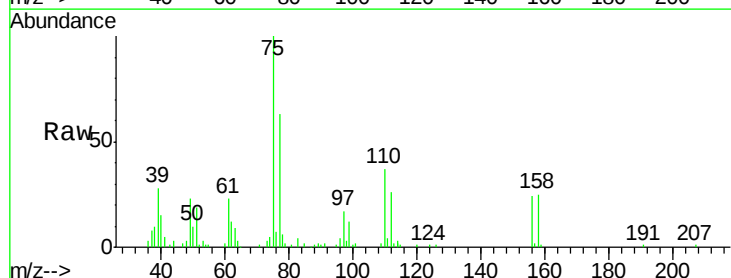
RT: 12.79 min Scan# 1848

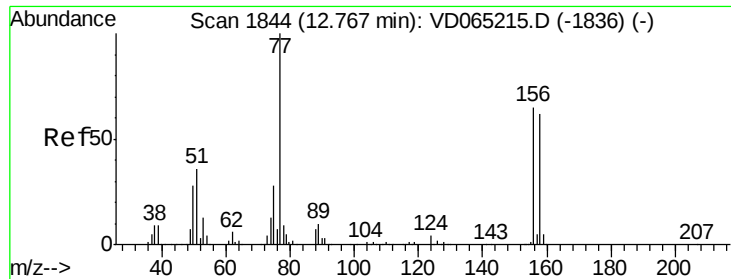
Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Tgt Ion:	75	Resp:	51582
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





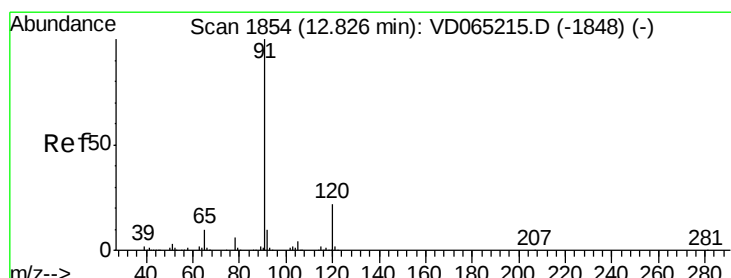
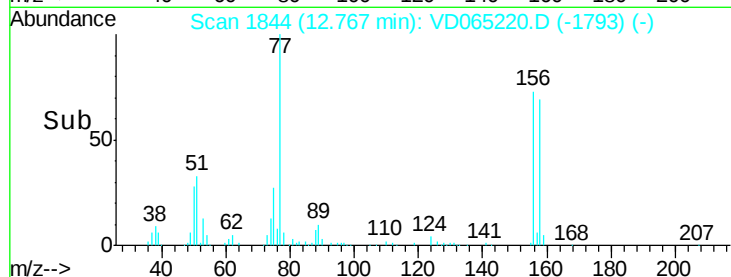
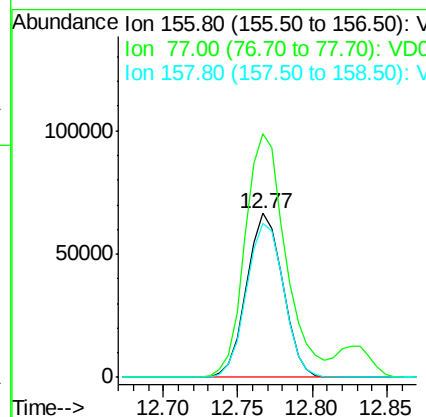
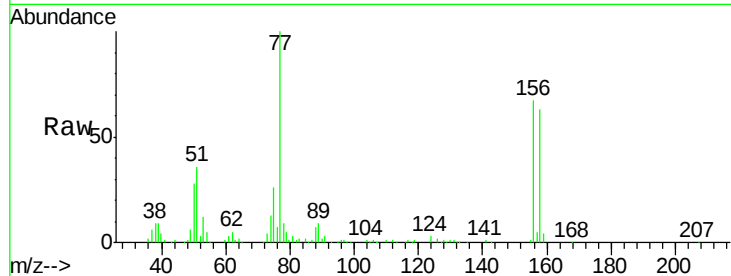
#77
Bromobenzene
Concen: 22.338 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.9	86.6	259.7
158	96.6	48.1	144.3

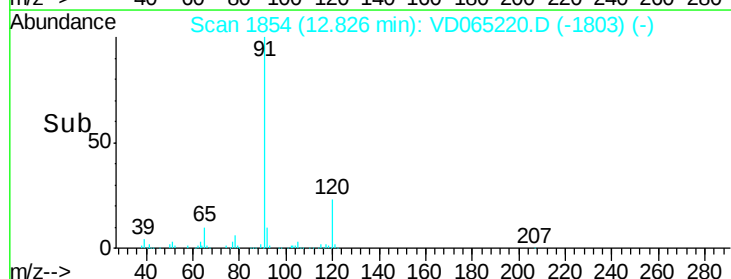
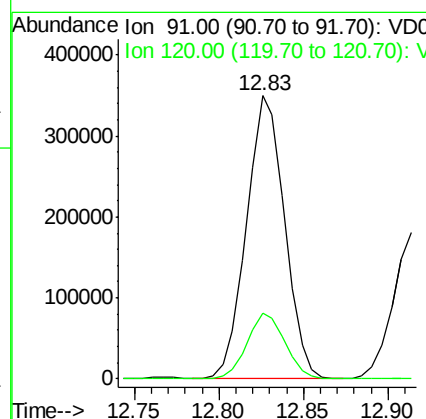
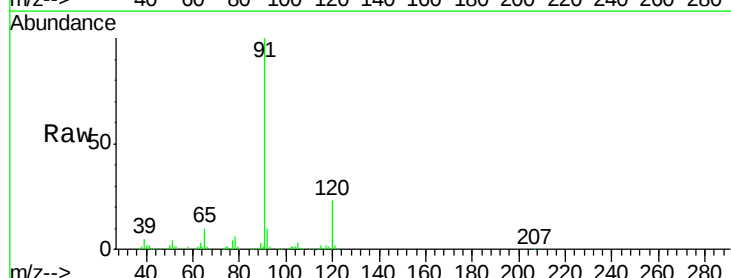
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#78
n-propylbenzene
Concen: 22.734 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.5	34.5





#79

2-Chlorotoluene

Concen: 22.165 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

VD0218SBS01

Tot Ion: 91 Resp: 300339

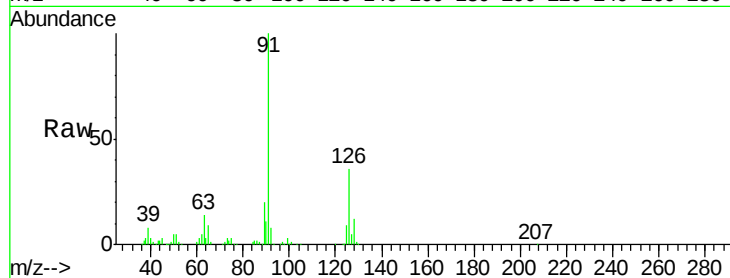
Ion Ratio Lower Upper

91 100

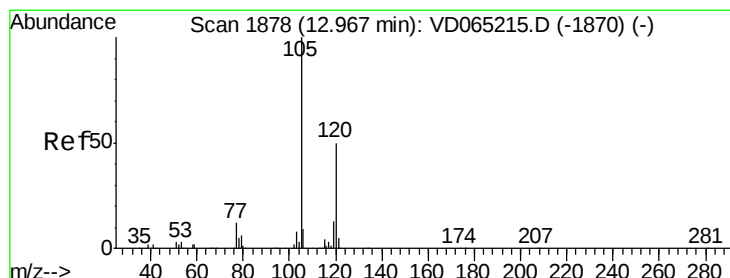
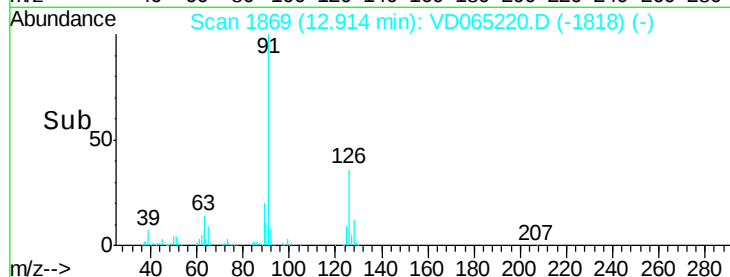
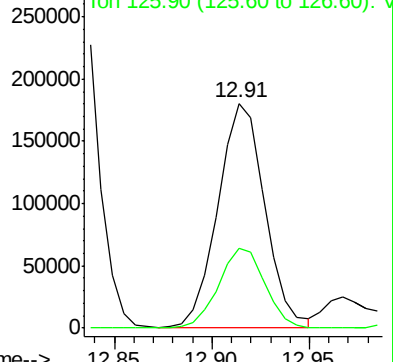
126 35.3 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.498 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065220.D

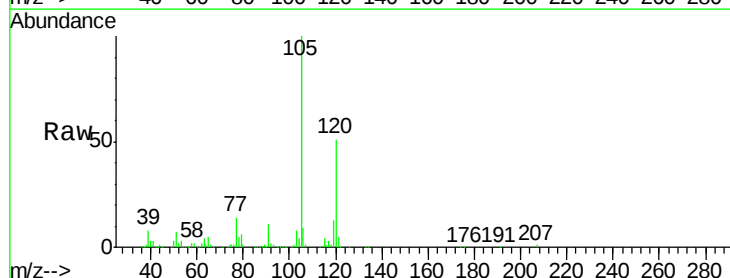
Acq: 18 Feb 2020 15:51

Tgt Ion: 105 Resp: 372966

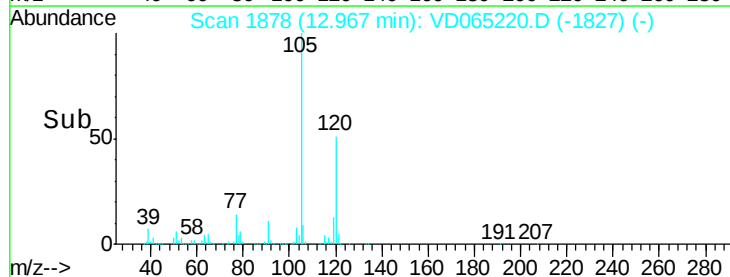
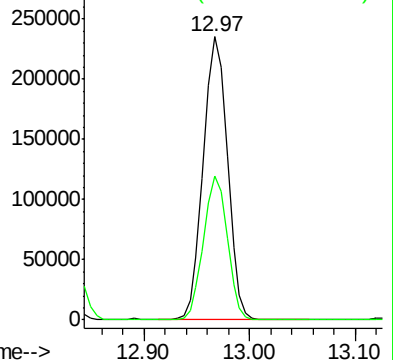
Ion Ratio Lower Upper

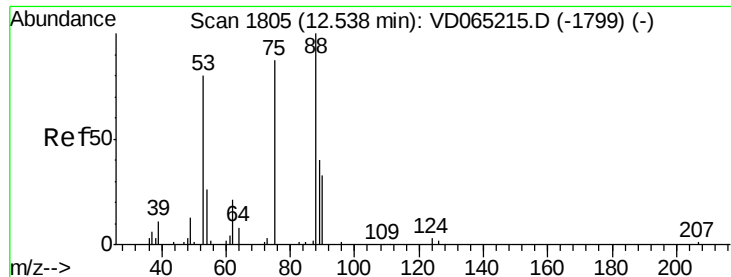
105 100

120 50.1 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.863 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

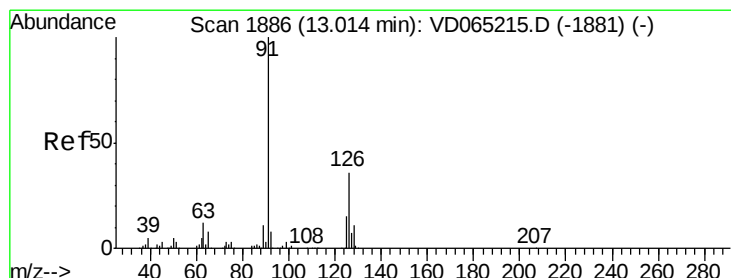
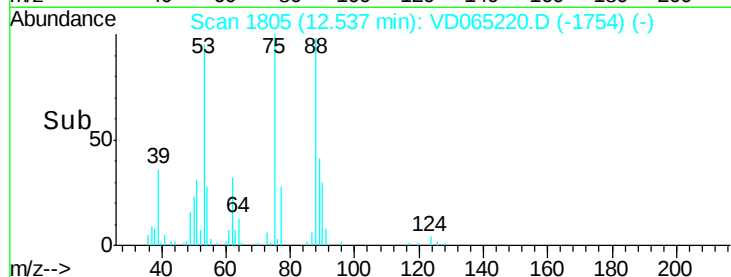
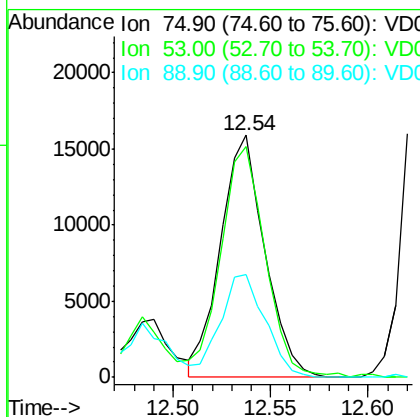
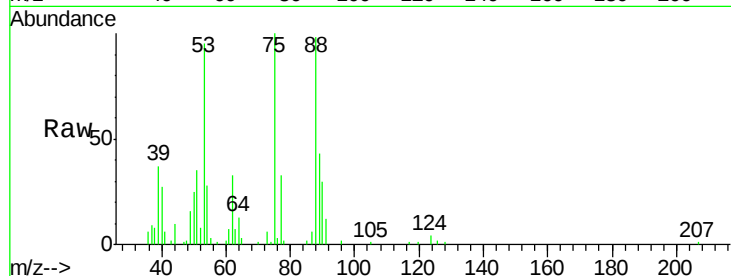
ClientSampleId :

VD0218SBS01

Tot Ion:	75	Resp:	24994
Ion	Ratio	Lower	Upper
75	100		
53	97.7	77.6	116.4
89	43.5	37.2	55.8

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#82

4-Chlorotoluene

Concen: 22.027 ug/l

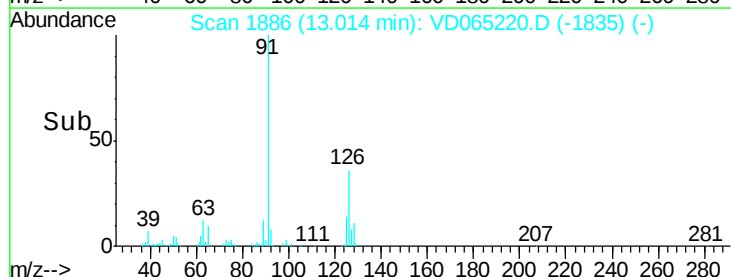
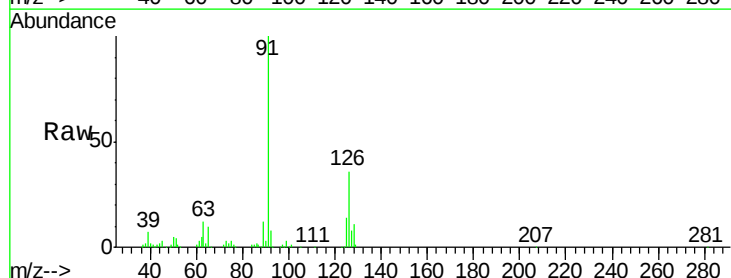
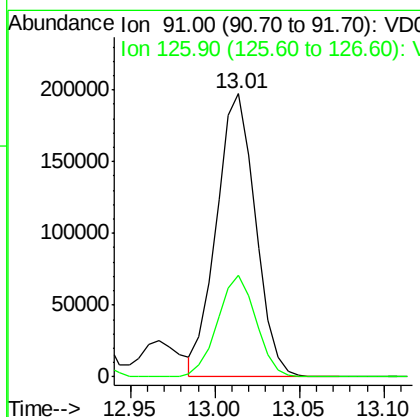
RT: 13.01 min Scan# 1886

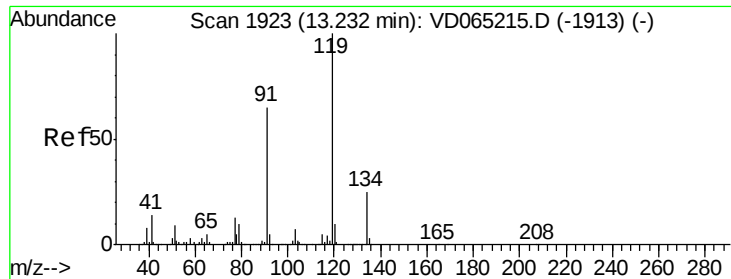
Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Tgt Ion:	91	Resp:	316870
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.4	52.3





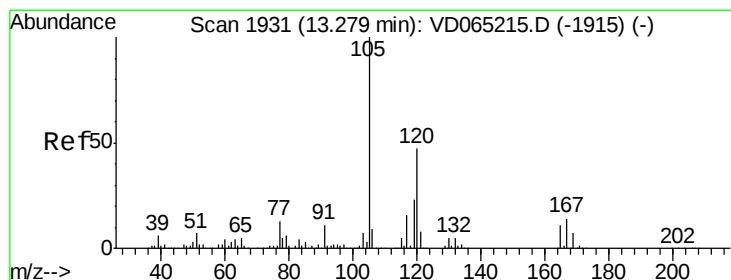
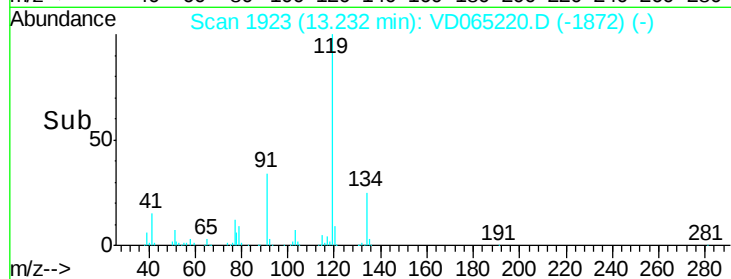
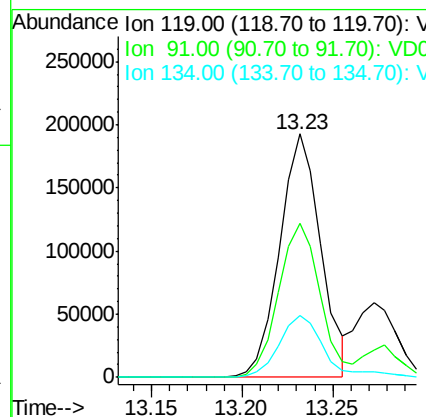
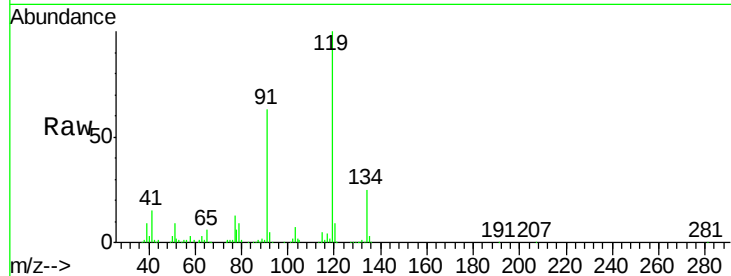
#83
 tert-Butylbenzene
 Concen: 21.899 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	31.9	95.5
134	28.0	13.8	41.3

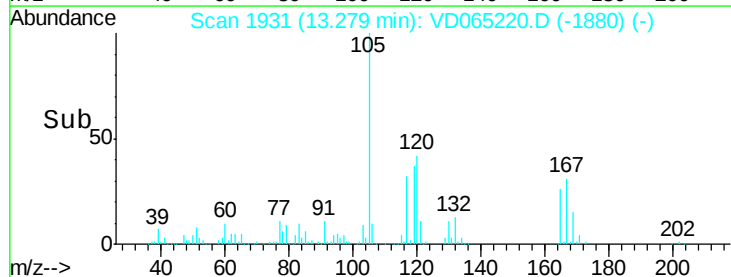
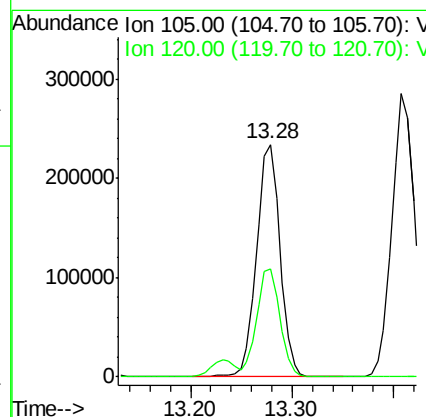
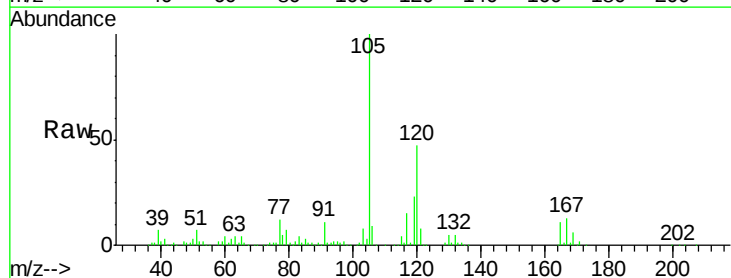
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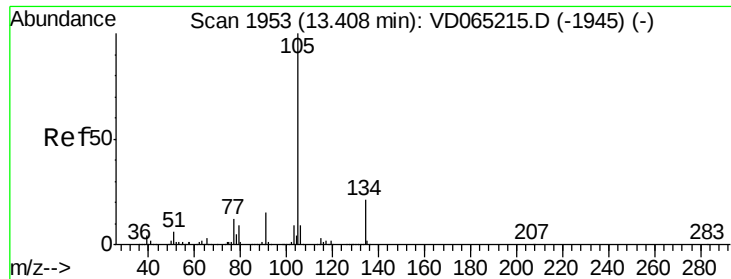
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.686 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.3	69.9





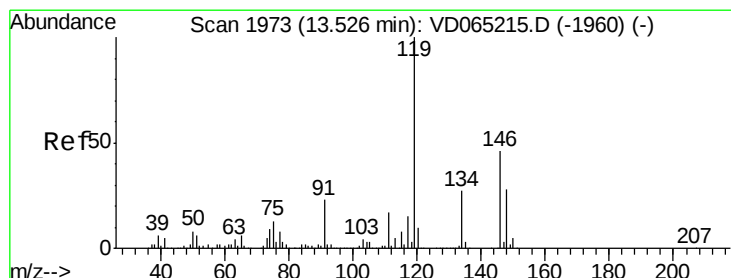
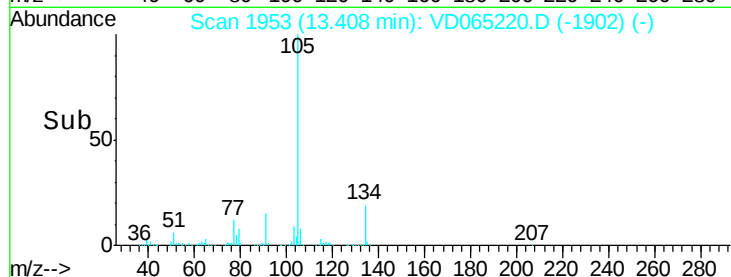
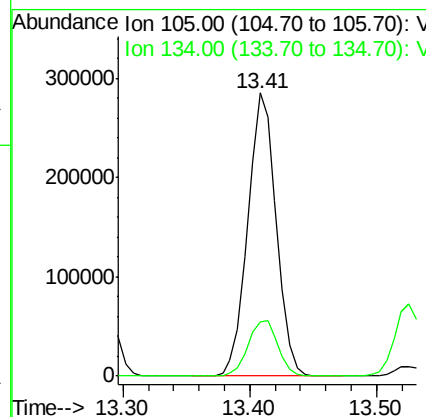
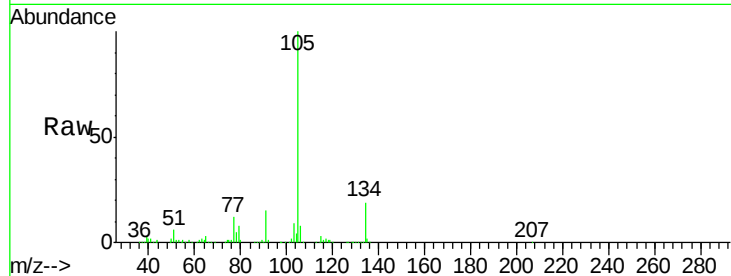
#85
 sec-Butylbenzene
 Concen: 22.191 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

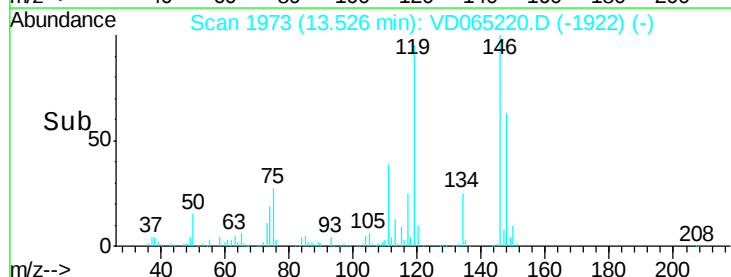
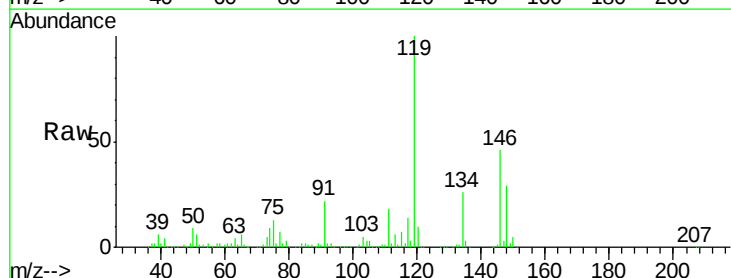
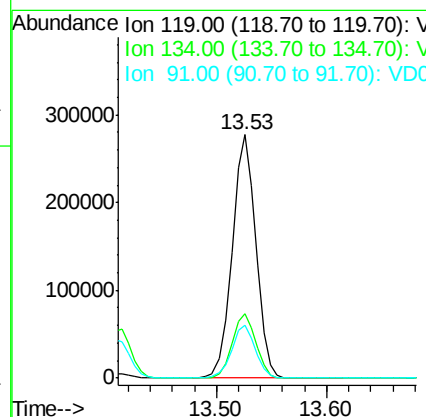
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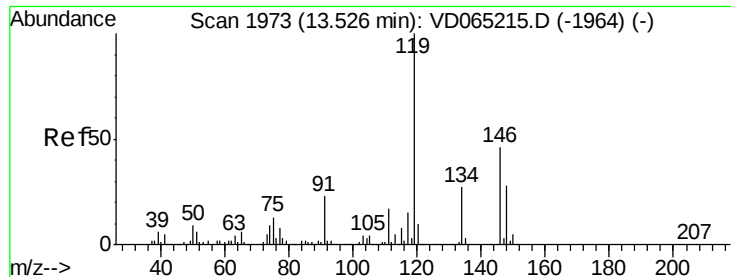
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#86
 p-Isopropyltoluene
 Concen: 22.661 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.8
91	21.7	11.1	33.1





#87

1,3-Dichlorobenzene

Concen: 21.438 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

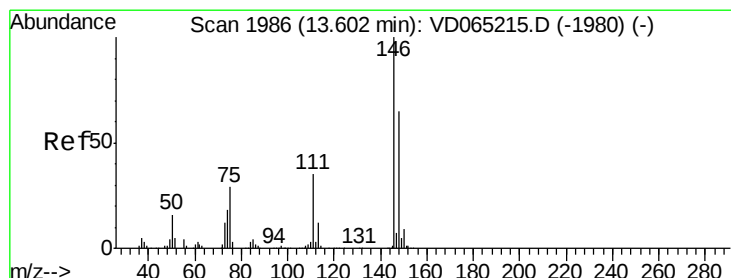
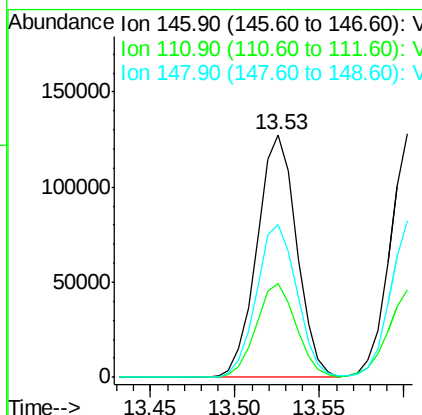
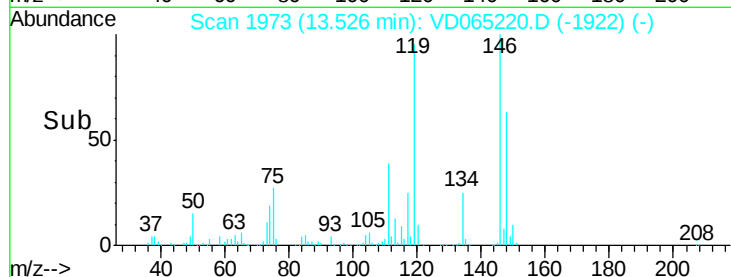
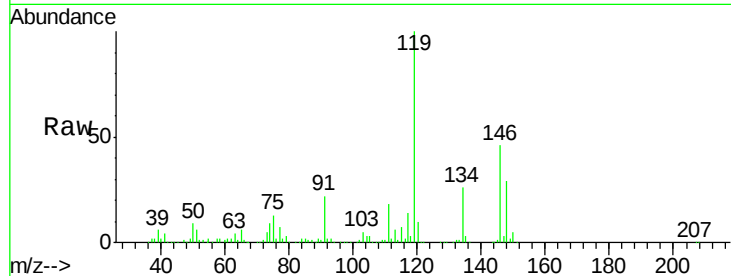
Instrument :
MSVOA_D

ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	207138		
111	39.0	18.6	55.8	
148	64.2	31.4	94.3	

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#88

1,4-Dichlorobenzene

Concen: 21.790 ug/l

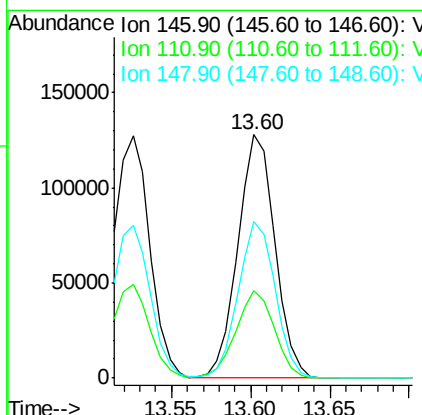
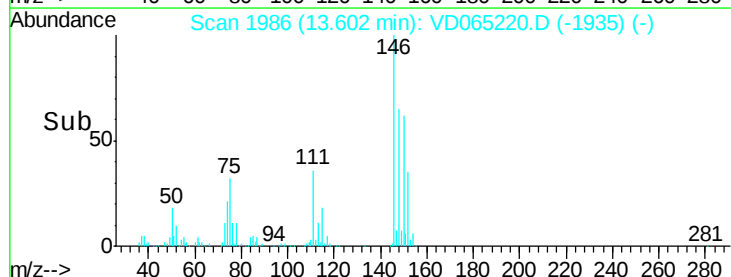
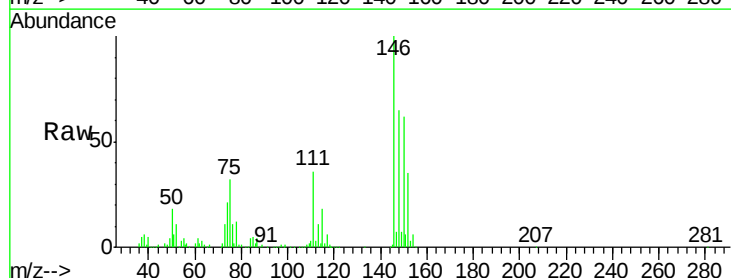
RT: 13.60 min Scan# 1986

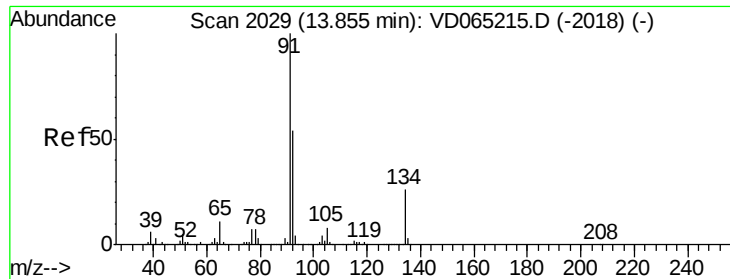
Delta R.T. -0.00 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	207793		
111	37.6	18.4	55.2	
148	64.5	32.1	96.5	





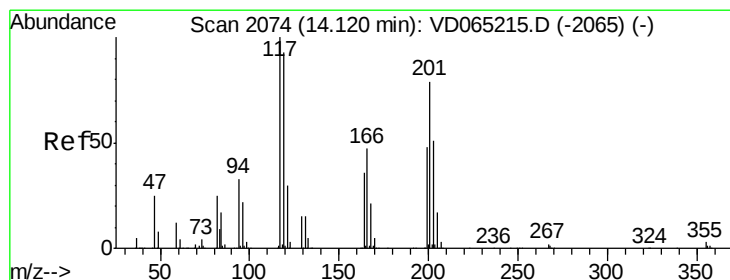
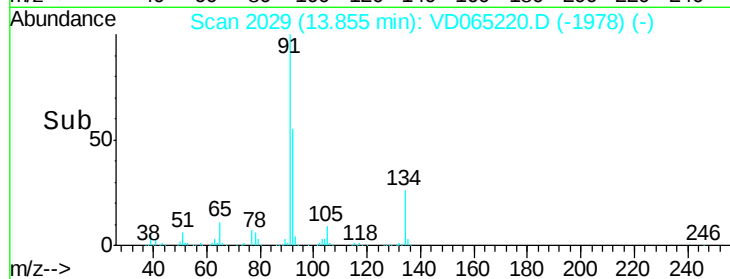
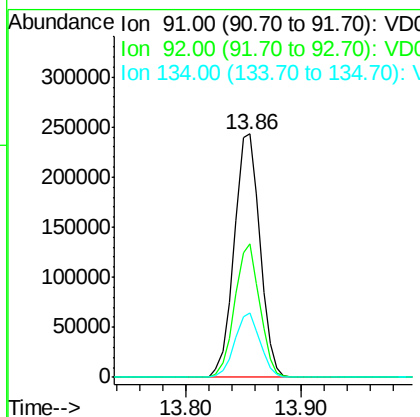
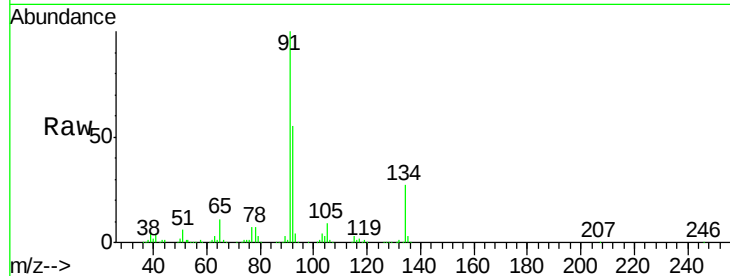
#89
n-Butylbenzene
Concen: 22.263 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.0	27.0	80.8	
134	25.9	13.5	40.4	

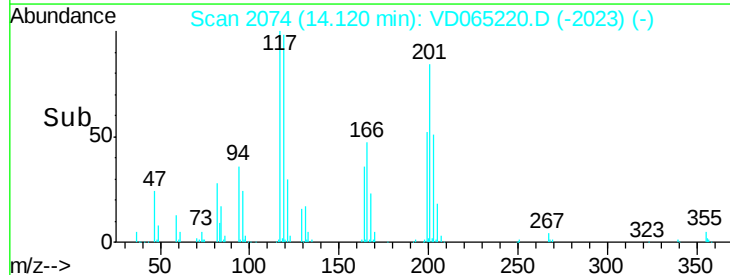
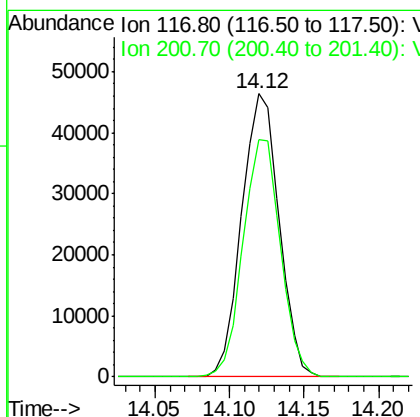
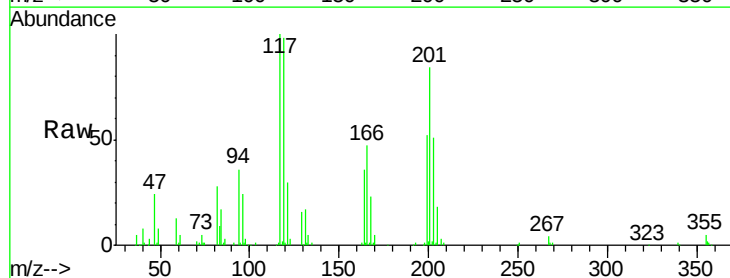
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#90
Hexachloroethane
Concen: 21.683 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.4	41.3	124.1	





#91

1,2-Dichlorobenzene

Concen: 21.657 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Instrument :

MSVOA_D

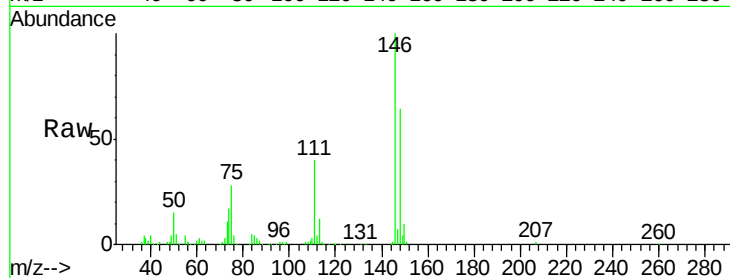
ClientSampleId :

VD0218SBS01

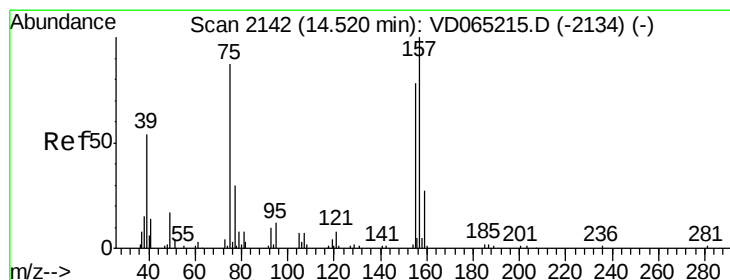
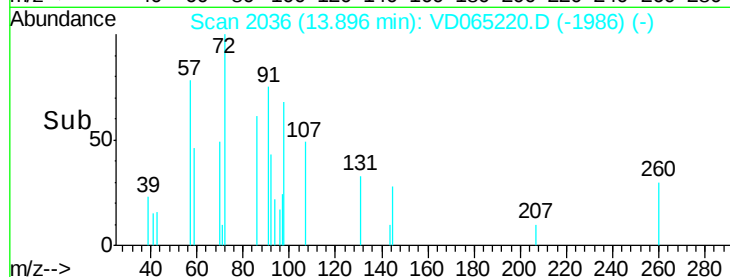
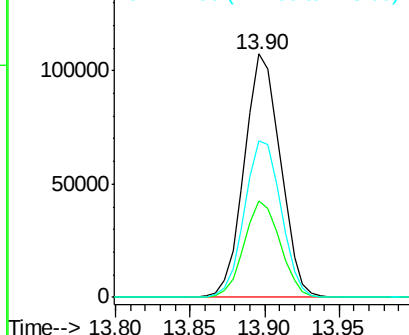
Tot Ion:	146	Resp:	179672
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.7	59.0
148	65.2	32.0	96.2

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: 18.980 ug/l

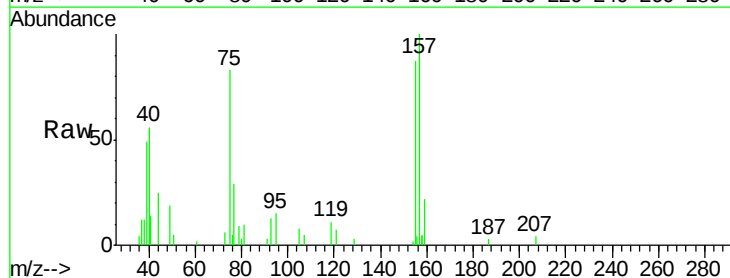
RT: 14.52 min Scan# 2142

Delta R.T. -0.00 min

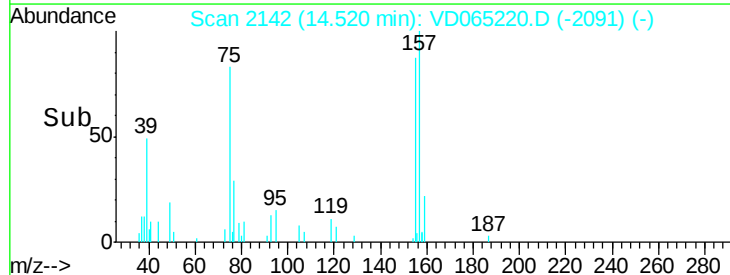
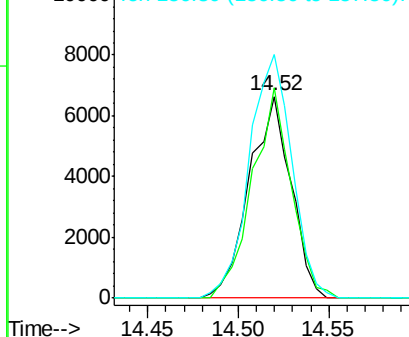
Lab File: VD065220.D

Acq: 18 Feb 2020 15:51

Tgt Ion:	75	Resp:	10625
Ion Ratio	Lower	Upper	
75	100		
155	97.7	42.3	126.9
157	123.5	56.7	170.1



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





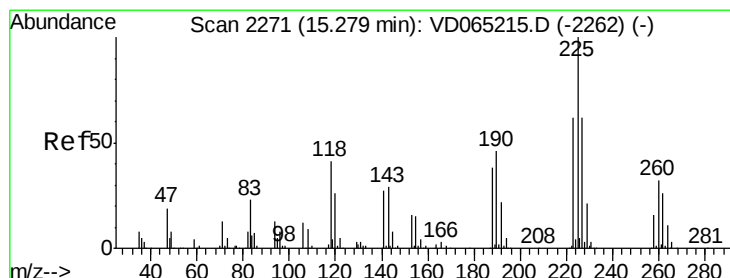
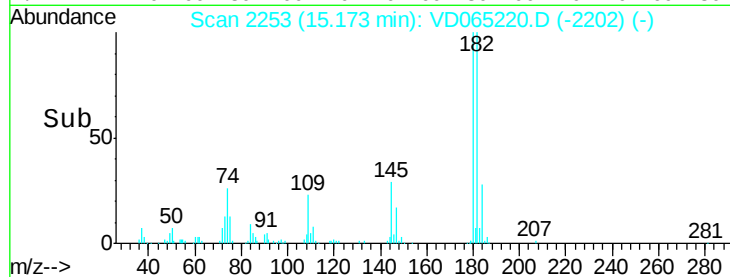
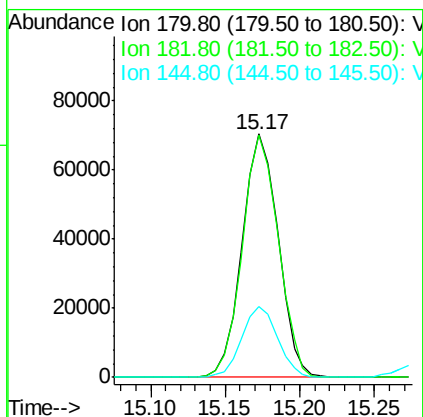
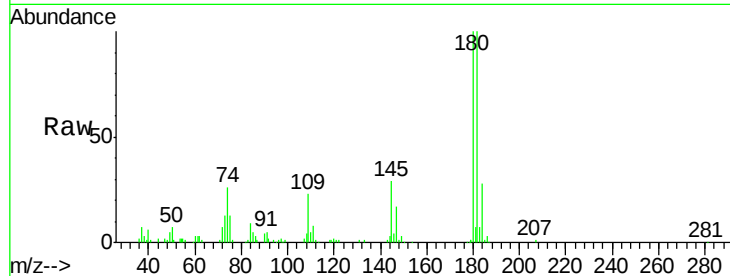
#93
 1,2,4-Trichlorobenzene
 Concen: 21.756 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118067		
182	99.3	46.9	140.6	
145	28.9	13.9	41.7	

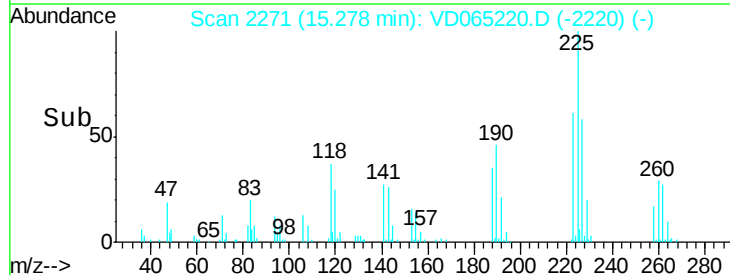
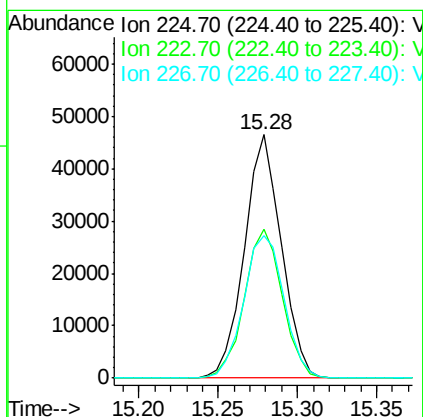
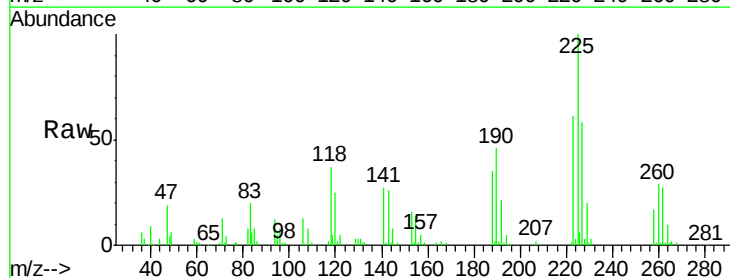
Manual Integrations
 APPROVED

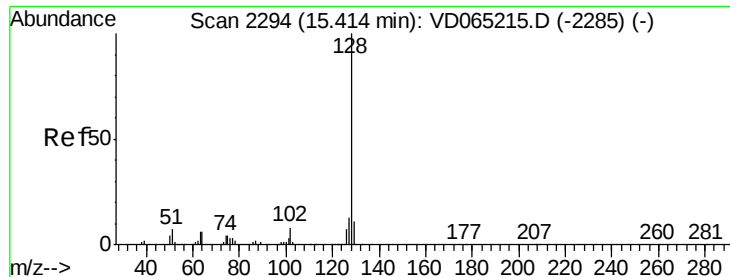
MMDadoda
 2/19/2020 1:44:25 PM



#94
 Hexachlorobutadiene
 Concen: 21.623 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065220.D
 Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75272		
223	62.8	31.4	94.2	
227	64.1	31.7	95.1	





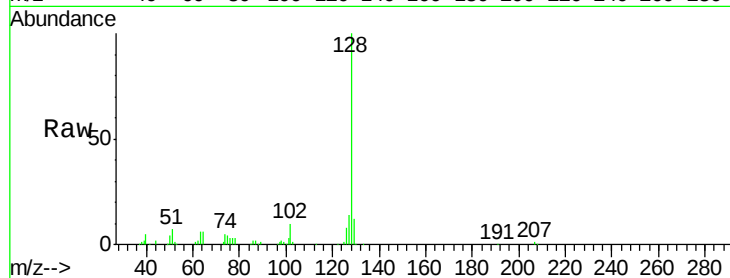
#95
Naphthalene
Concen: 20.515 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :
VD0218SBS01

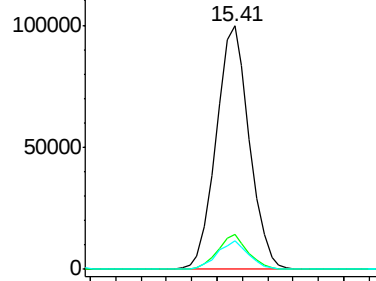
Tot Ion	Ratio	Resp	Lower	Upper
128	100	180990		
127	13.0		10.3	15.5
129	11.1		8.8	13.2

Manual Integrations
APPROVED

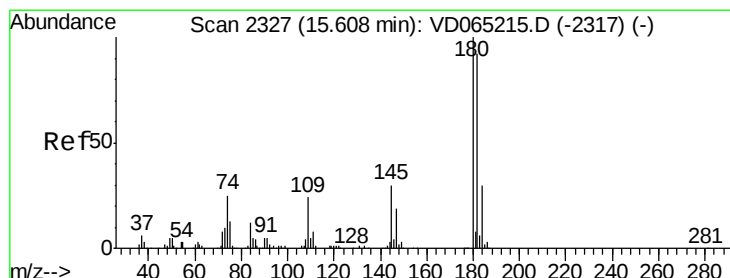
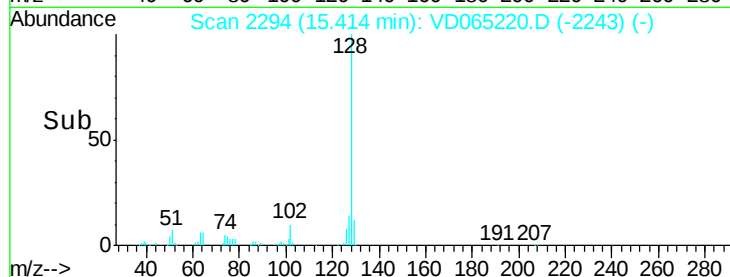
MMDadoda
2/19/2020 1:44:25 PM



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

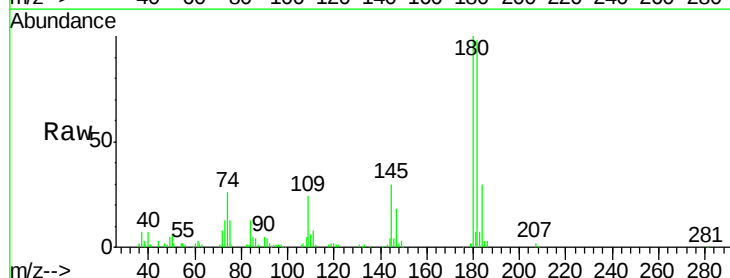


Time--> 15.30 15.40 15.50

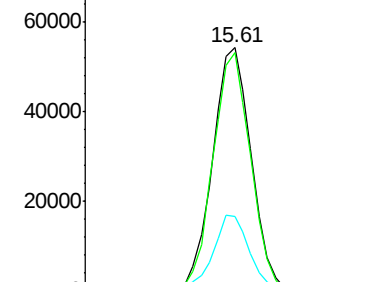


#96
1,2,3-Trichlorobenzene
Concen: 21.983 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065220.D
Acq: 18 Feb 2020 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	104190		
182	95.4		46.9	140.6
145	29.2		15.4	46.1



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



Time--> 15.55 15.60 15.65

