

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065321.D
 Acq On : 26 Feb 2020 11:57
 Operator : VA/SY
 Sample : VD0226SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 11:39:24 AM

Quant Time: Feb 27 08:12:42 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	471062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	700559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	637616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319948	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	222485	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
35) Dibromofluoromethane	7.92	113	232277	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	
50) Toluene-d8	10.34	98	910846	55.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.56%	
62) 4-Bromofluorobenzene	12.64	95	297264	57.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.92%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	71984	18.219	ug/l 97
3) Chloromethane	2.21	50	96545	19.198	ug/l 98
4) Vinyl Chloride	2.35	62	96283	18.828	ug/l 98
5) Bromomethane	2.76	94	57934	18.738	ug/l 93
6) Chloroethane	2.91	64	59321	19.004	ug/l 100
7) Trichlorofluoromethane	3.27	101	147090	20.091	ug/l 98
8) Diethyl Ether	3.70	74	45264	20.482	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95154	20.581	ug/l 98
10) Methyl Iodide	4.29	142	90192	18.788	ug/l 100
11) Tert butyl alcohol	5.25	59	22970	90.708	ug/l 97
12) 1,1-Dichloroethene	4.06	96	88960	20.369	ug/l 87
13) Acrolein	3.92	56	37737	104.651	ug/l 99
14) Allyl chloride	4.71	41	141533	19.956	ug/l 97
15) Acrylonitrile	5.43	53	106734	109.089	ug/l 97
16) Acetone	4.17	43	95929	92.604	ug/l 97
17) Carbon Disulfide	4.40	76	282268	19.277	ug/l 98
18) Methyl Acetate	4.73	43	53840	23.109	ug/l 98
19) Methyl tert-butyl Ether	5.49	73	186846	20.515	ug/l 97
20) Methylene Chloride	4.96	84	117243	22.928	ug/l 97
21) trans-1,2-Dichloroethene	5.46	96	100866	20.315	ug/l 97
22) Diisopropyl ether	6.37	45	284649	20.819	ug/l 99
23) Vinyl Acetate	6.31	43	757823	100.540	ug/l 98
24) 1,1-Dichloroethane	6.27	63	175878	20.739	ug/l 99
25) 2-Butanone	7.22	43	127821	97.525	ug/l 100
26) 2,2-Dichloropropane	7.21	77	151117	20.538	ug/l 100
27) cis-1,2-Dichloroethene	7.21	96	108600	20.650	ug/l 99
28) Bromochloromethane	7.55	49	60260	19.153	ug/l 98
29) Tetrahydrofuran	7.57	42	80866	105.303	ug/l 98
30) Chloroform	7.71	83	177655	20.793	ug/l 98
31) Cyclohexane	7.98	56	164545	19.748	ug/l 97
32) 1,1,1-Trichloroethane	7.91	97	157875	20.653	ug/l 99
36) 1,1-Dichloropropene	8.11	75	139323	20.439	ug/l 98
37) Ethyl Acetate	7.30	43	60201	21.126	ug/l 99
38) Carbon Tetrachloride	8.10	117	143386	20.664	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162432	20.269	ug/l	96
40) Benzene	8.36	78	398527	20.713	ug/l	99
41) Methacrylonitrile	7.54	41	32134m	19.530	ug/l	
42) 1,2-Dichloroethane	8.43	62	107927	20.404	ug/l	99
43) Isopropyl Acetate	8.46	43	108438	20.926	ug/l	100
44) Trichloroethene	9.11	130	113816	21.341	ug/l	97
45) 1,2-Dichloropropane	9.39	63	99466	20.790	ug/l	99
46) Dibromomethane	9.48	93	51969	21.112	ug/l	99
47) Bromodichloromethane	9.67	83	136728	21.077	ug/l	95
48) Methyl methacrylate	9.46	41	48559	20.273	ug/l	92
49) 1,4-Dioxane	9.47	88	11775	407.854	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	280499	106.574	ug/l	99
52) Toluene	10.41	92	255436	21.449	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	126348	21.013	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	151490	20.864	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	73385	21.181	ug/l	96
56) Ethyl methacrylate	10.67	69	83825	20.961	ug/l	98
57) 1,3-Dichloropropane	10.95	76	126540	21.459	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	129253	102.519	ug/l	100
59) 2-Hexanone	10.99	43	196149	104.110	ug/l	99
60) Dibromochloromethane	11.14	129	92892	20.947	ug/l	97
61) 1,2-Dibromoethane	11.25	107	70699	21.552	ug/l	99
64) Tetrachloroethene	10.88	164	96396	21.316	ug/l	93
65) Chlorobenzene	11.67	112	269393	21.054	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	101654	21.289	ug/l	99
67) Ethyl Benzene	11.75	91	466931	20.836	ug/l	98
68) m/p-Xylenes	11.86	106	365097	42.583	ug/l	99
69) o-Xylene	12.18	106	164260	21.625	ug/l	96
70) Styrene	12.20	104	285729	21.187	ug/l	100
71) Bromoform	12.37	173	57782	21.808	ug/l #	100
73) Isopropylbenzene	12.48	105	442821	20.905	ug/l	100
74) N-amyl acetate	12.30	43	95535	20.297	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	81303	21.267	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	55091m	20.238	ug/l	
77) Bromobenzene	12.77	156	112144	21.321	ug/l	99
78) n-propylbenzene	12.83	91	542352	21.306	ug/l	99
79) 2-Chlorotoluene	12.91	91	299028	20.970	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	373582	21.413	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	25588	20.296	ug/l	97
82) 4-Chlorotoluene	13.01	91	316862	20.930	ug/l	100
83) tert-Butylbenzene	13.23	119	306521	20.963	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	372842	21.351	ug/l	100
85) sec-Butylbenzene	13.41	105	440424	20.903	ug/l	100
86) p-Isopropyltoluene	13.53	119	409944	21.276	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	208178	20.473	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	212694	21.193	ug/l	99
89) n-Butylbenzene	13.86	91	373518	21.037	ug/l	99
90) Hexachloroethane	14.12	117	82166	21.002	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	181182	20.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12089	20.520	ug/l	94

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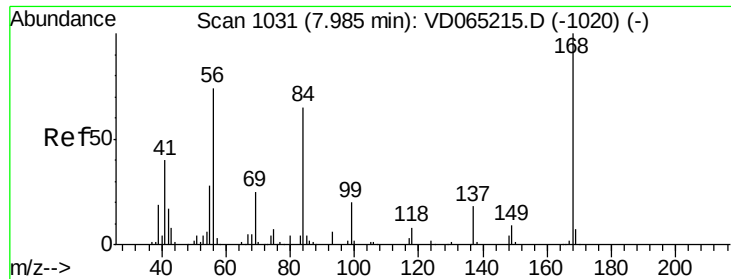
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	123602	21.642	ug/l	99
94) Hexachlorobutadiene	15.28	225	78537	21.437	ug/l	98
95) Naphthalene	15.41	128	196197	21.132	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	107577	21.568	ug/l	99

(#) = 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: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBSD01

Tot Ion:168 Resp: 471062

Ion Ratio Lower Upper

168 100

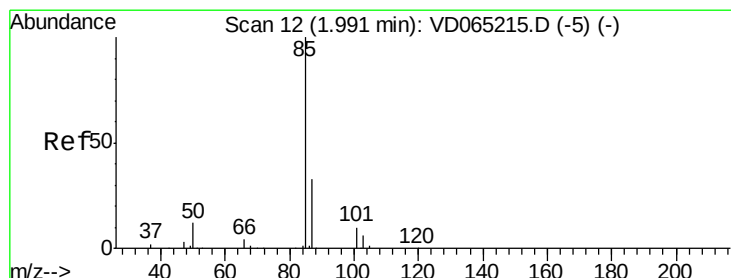
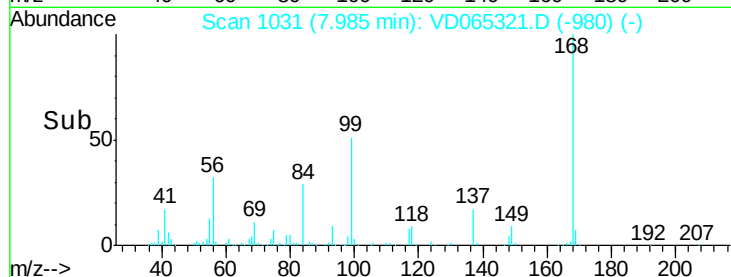
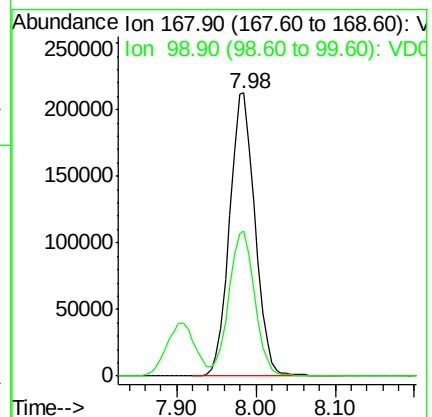
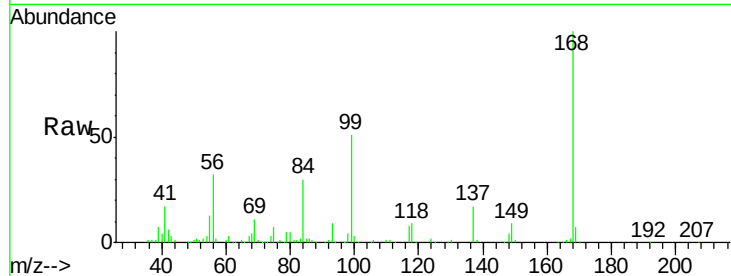
99 51.0 41.4 62.2

Manual Integrations

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MMDadoda

2/27/2020 11:39:24 AM



#2

Dichlorodifluoromethane

Concen: 18.219 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065321.D

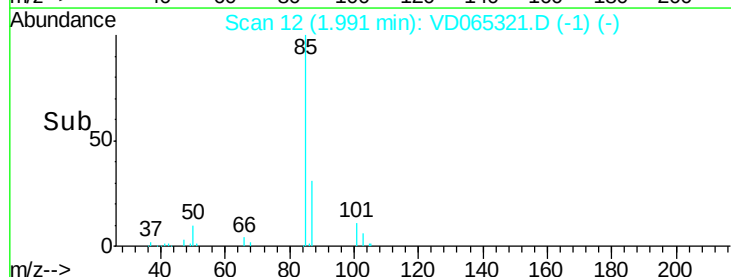
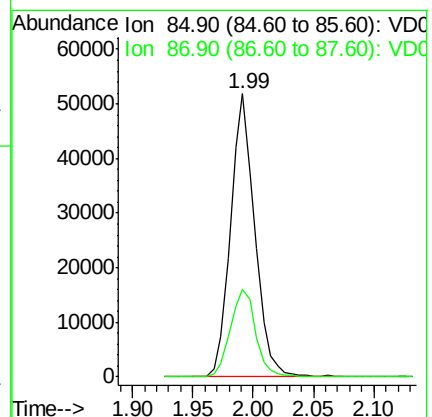
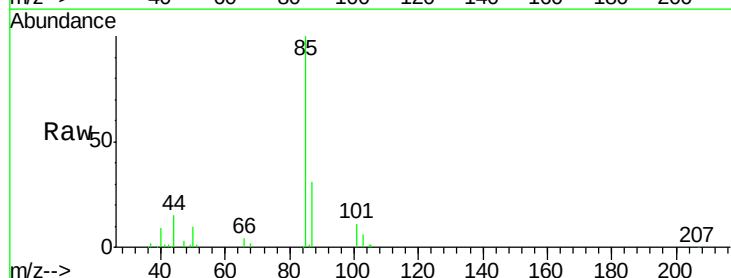
Acq: 26 Feb 2020 11:57

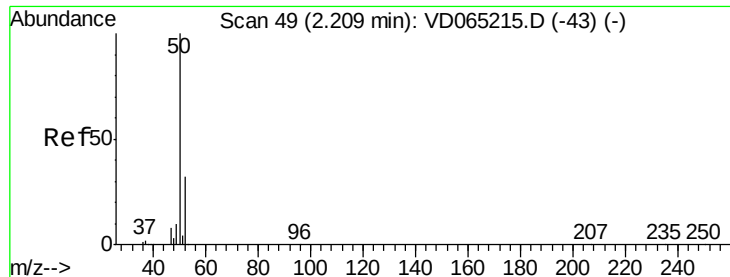
Tgt Ion: 85 Resp: 71984

Ion Ratio Lower Upper

85 100

87 31.0 16.4 49.1





#3

Chloromethane

Concen: 19.198 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 50 Resp: 96545

Ion Ratio Lower Upper

50 100

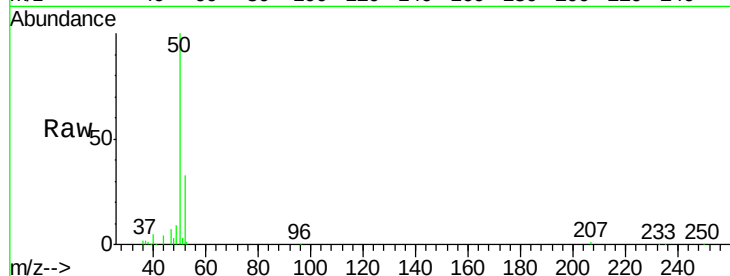
52 33.1 25.5 38.3

Manual Integrations

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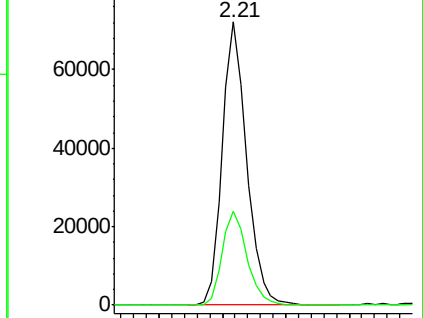
MMDadoda

2/27/2020 11:39:24 AM

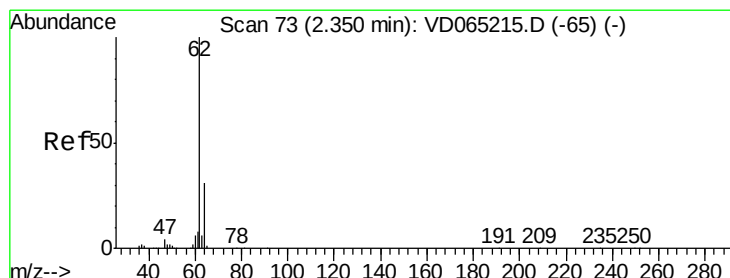
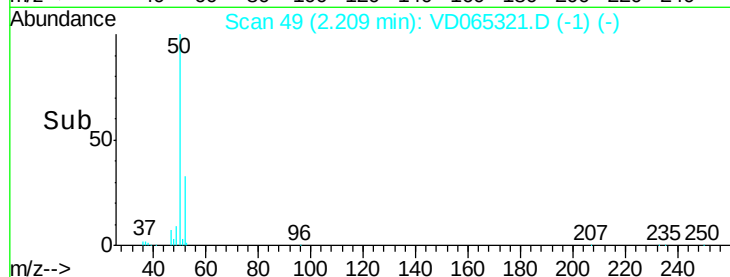


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 18.828 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065321.D

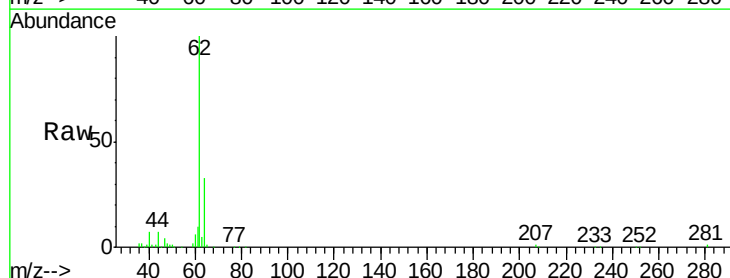
Acq: 26 Feb 2020 11:57

Tgt Ion: 62 Resp: 96283

Ion Ratio Lower Upper

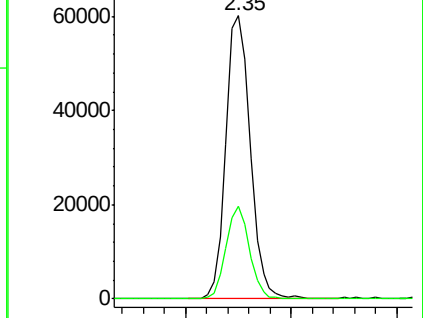
62 100

64 32.6 25.0 37.6

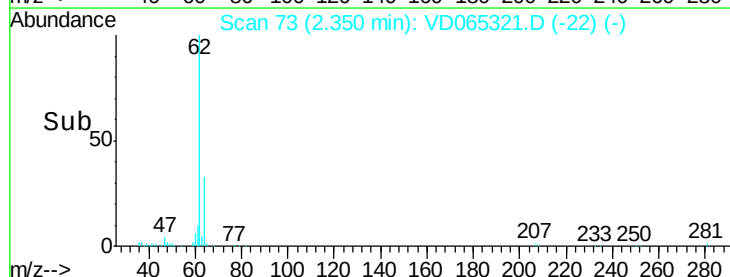


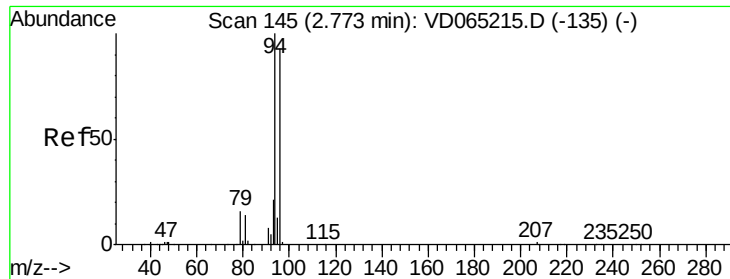
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 18.738 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBSD01

Tot Ion: 94 Resp: 57934

Ion Ratio Lower Upper

94 100

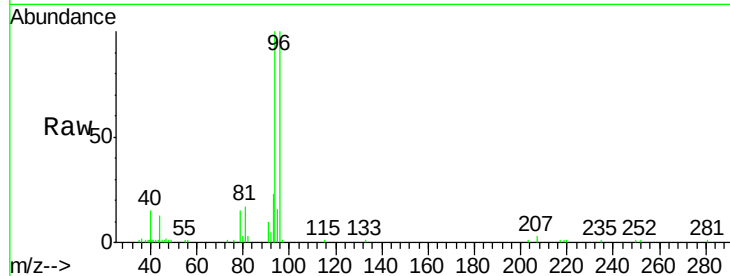
96 99.6 74.2 111.4

Manual Integrations

APPROVED

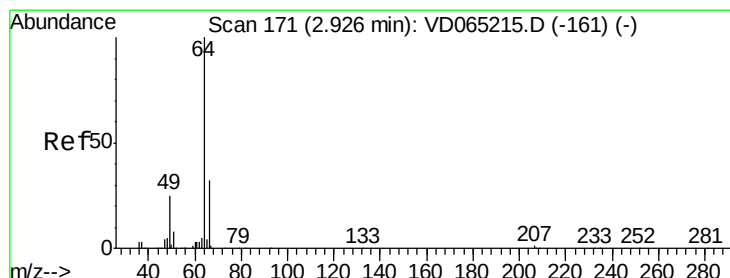
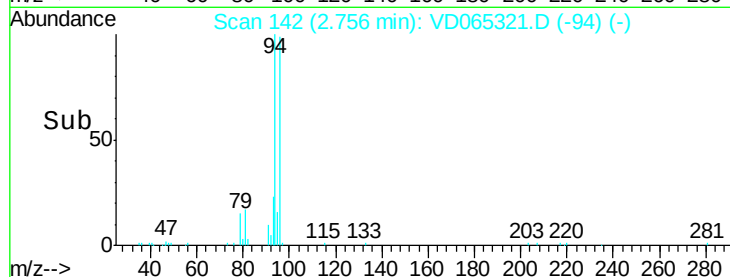
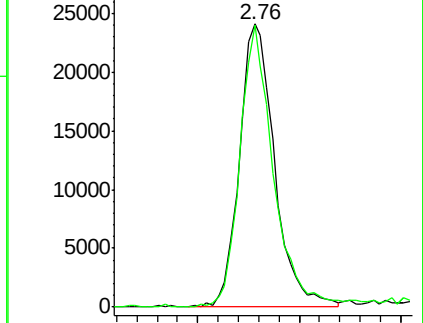
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2/27/2020 11:39:24 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.004 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065321.D

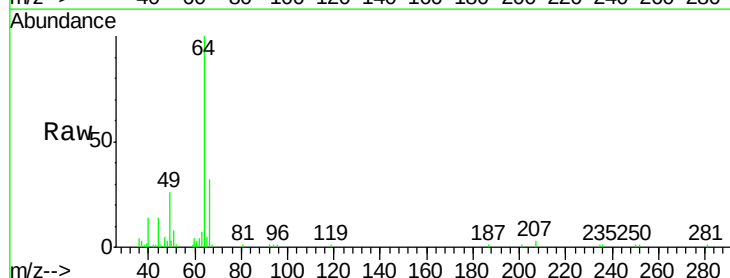
Acq: 26 Feb 2020 11:57

Tgt Ion: 64 Resp: 59321

Ion Ratio Lower Upper

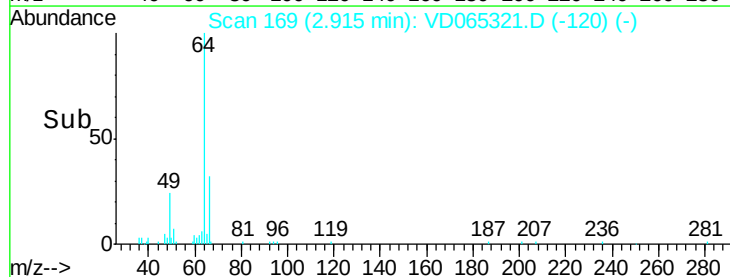
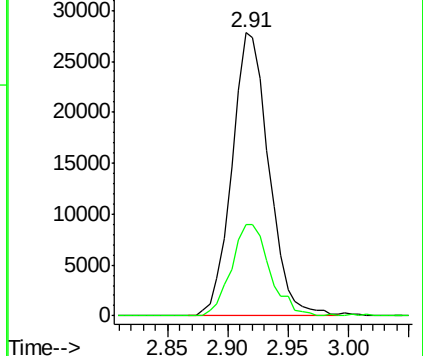
64 100

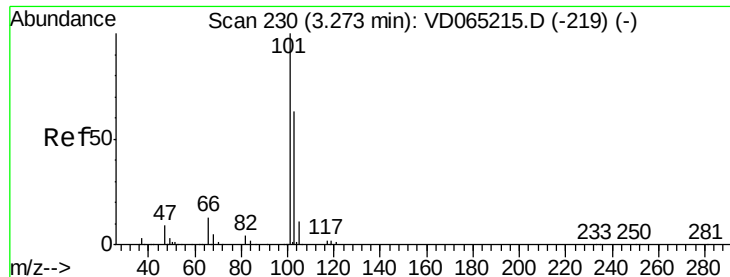
66 32.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

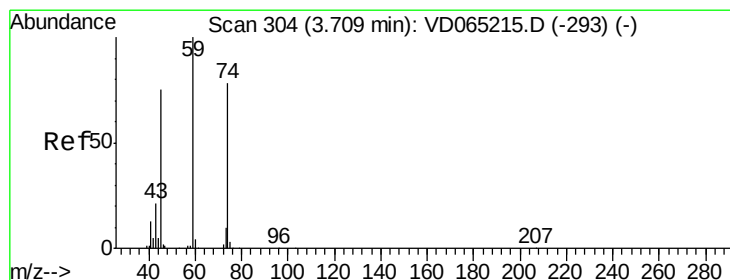
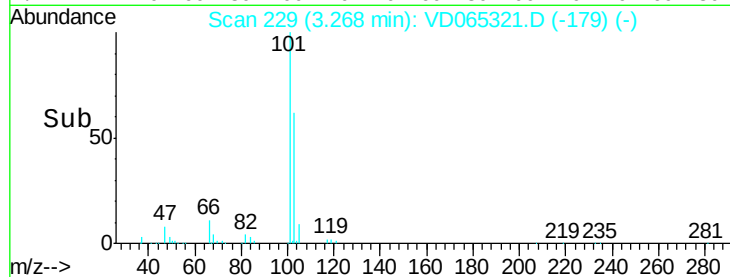
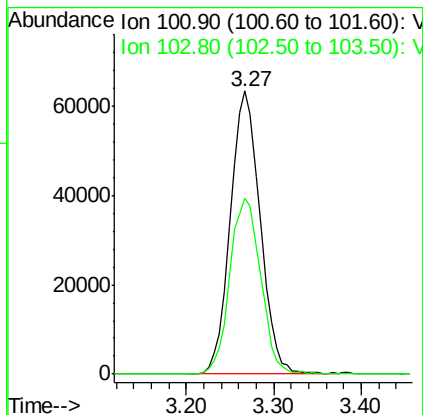
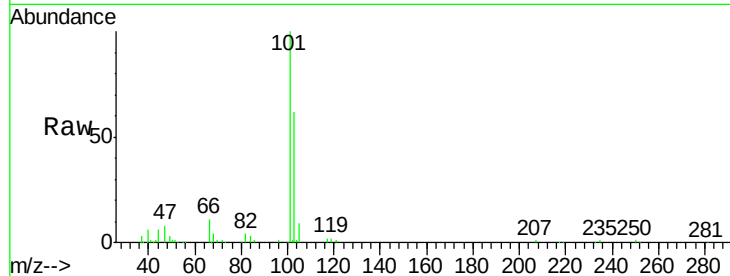
Trichlorofluoromethane
 Concen: 20.091 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Instrument :
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 VD0226SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	50.7	76.1

Manual Integrations
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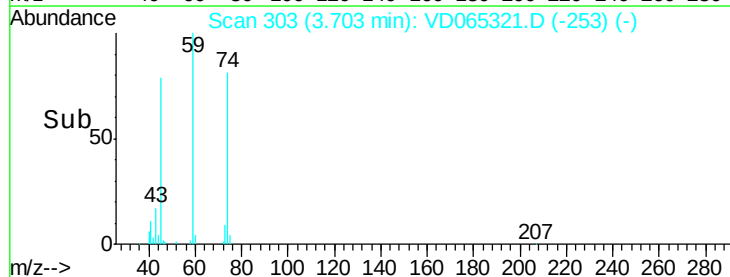
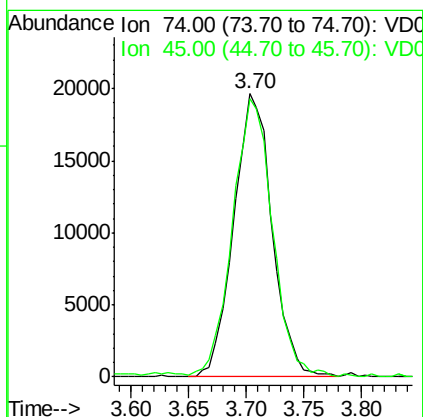
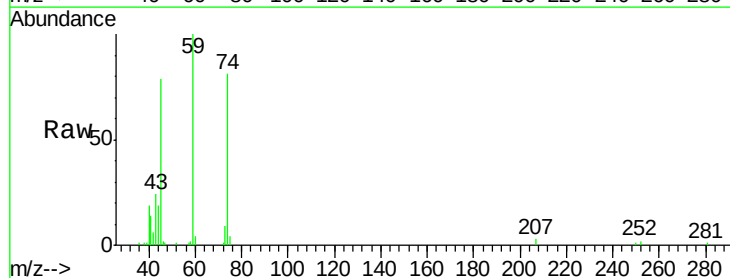
MMDadoda
 2/27/2020 11:39:24 AM

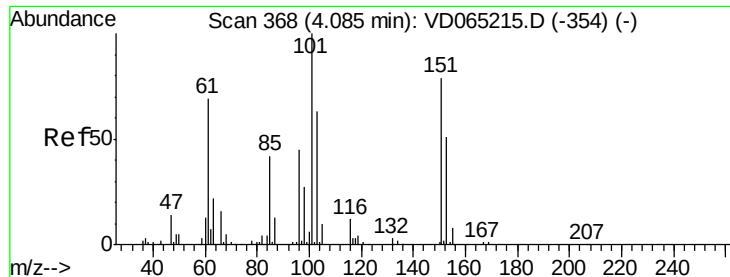


#8

Diethyl Ether
 Concen: 20.482 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.6	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.581 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

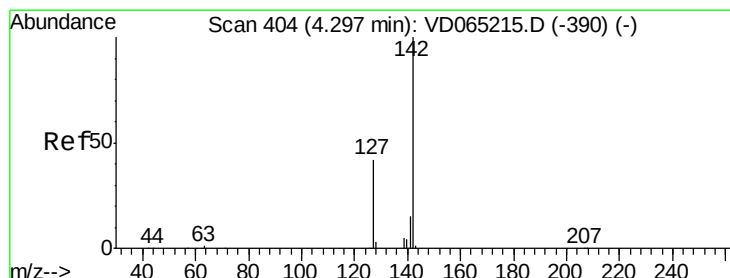
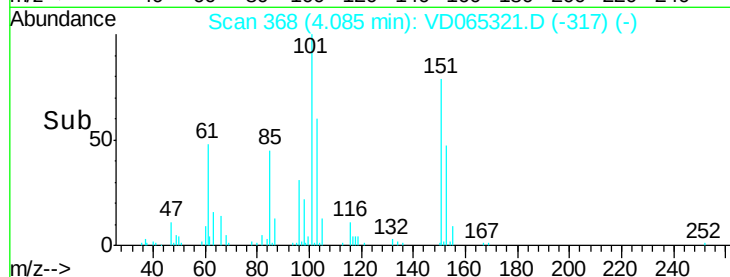
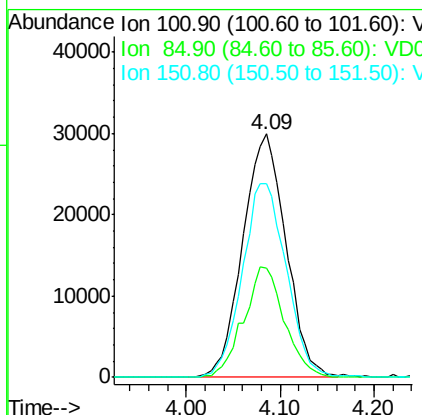
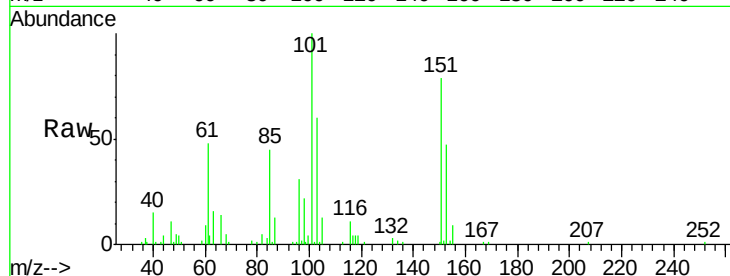
ClientSampleId :

VD0226SBS01

Tot Ion:	101	Resp:	95154
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.2
151	81.4	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.788 ug/l

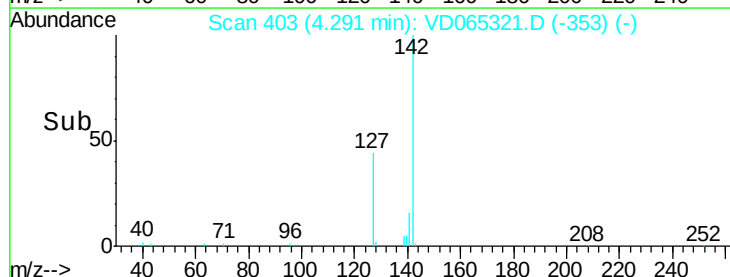
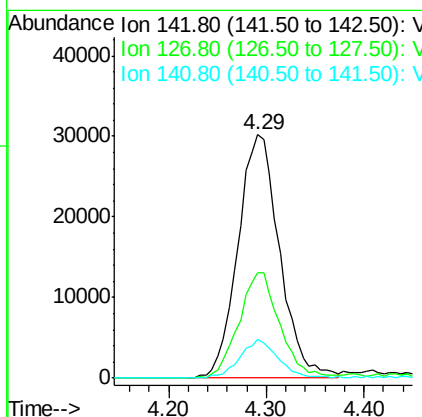
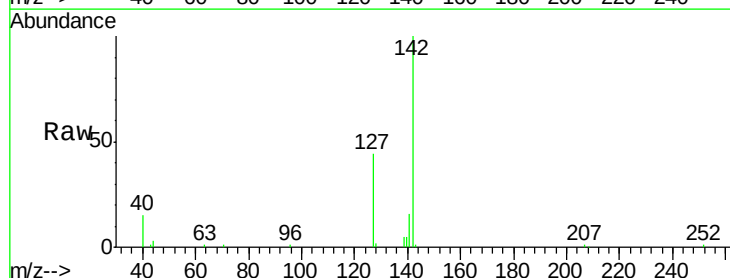
RT: 4.29 min Scan# 403

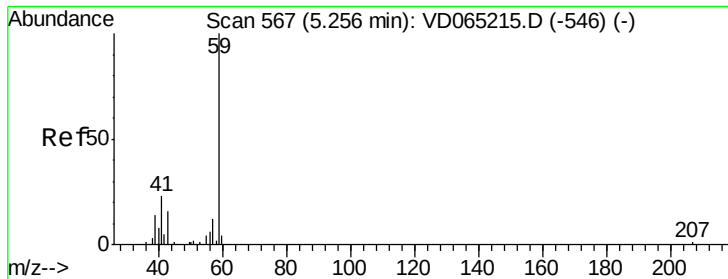
Delta R.T. -0.01 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Tgt Ion:	142	Resp:	90192
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.8	50.8
141	14.5	11.7	17.5





#11

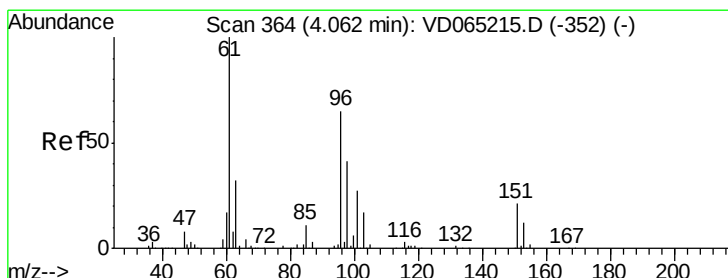
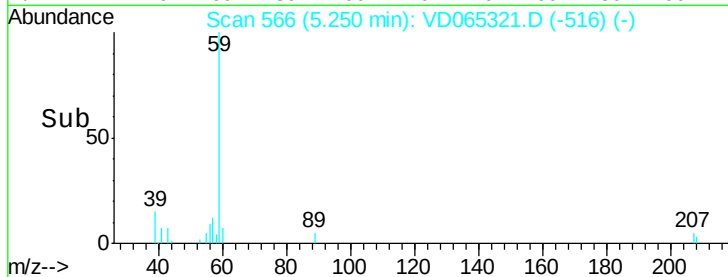
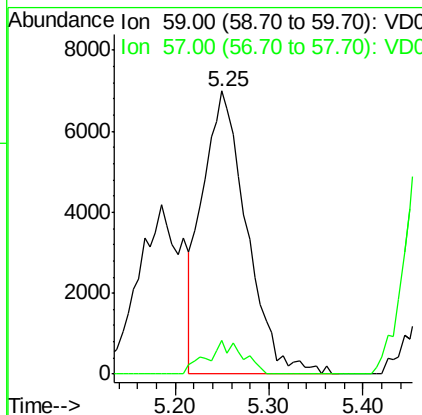
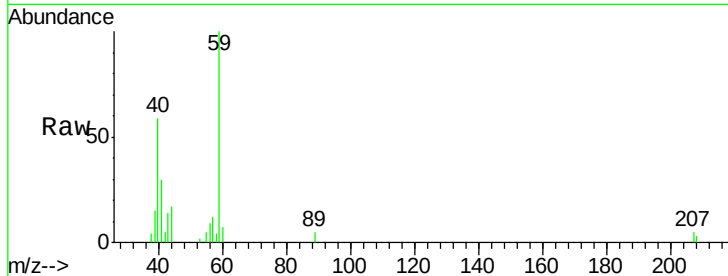
Tert butyl alcohol
Concen: 90.708 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.4	12.6

Manual Integrations
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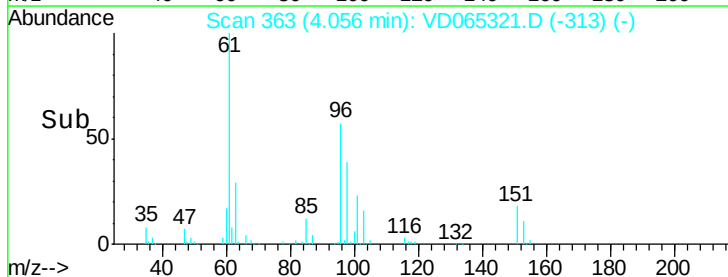
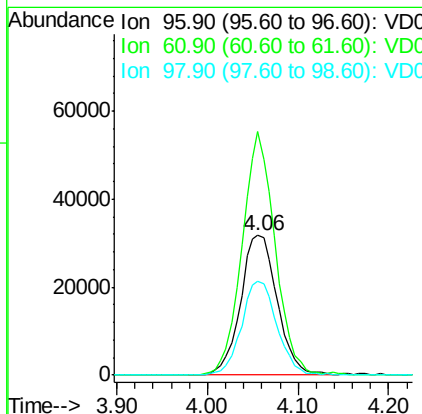
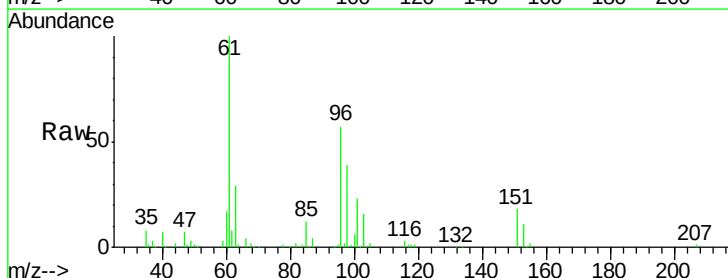
MMDadoda
2/27/2020 11:39:24 AM

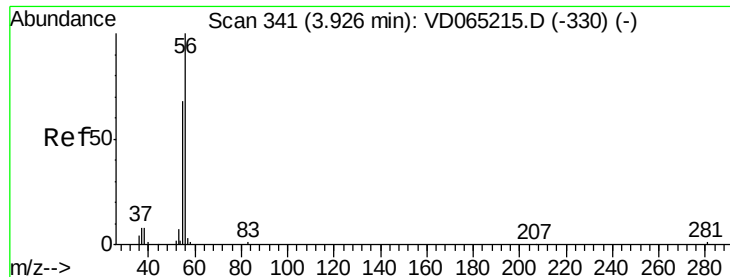


#12

1,1-Dichloroethene
Concen: 20.369 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.4	123.3	184.9
98	67.6	51.0	76.4





#13

Acrolein

Concen: 104.651 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 56 Resp: 37737

Ion Ratio Lower Upper

56 100

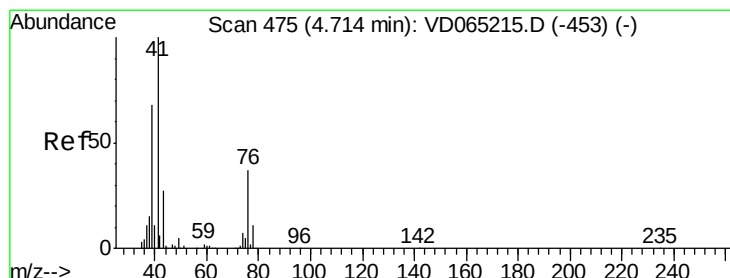
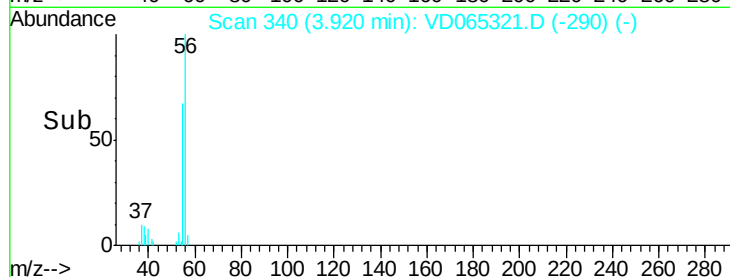
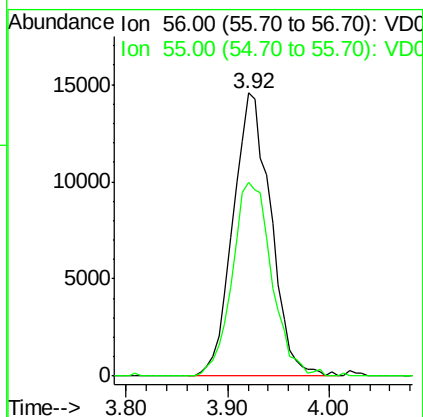
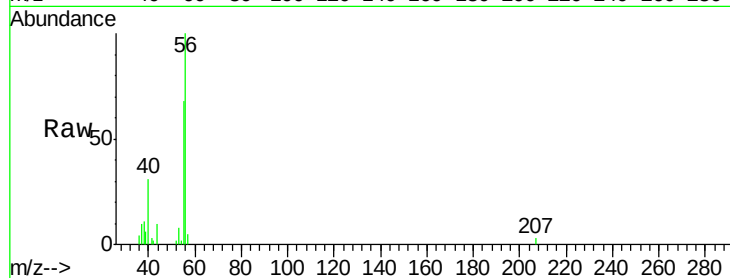
55 71.5 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.956 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

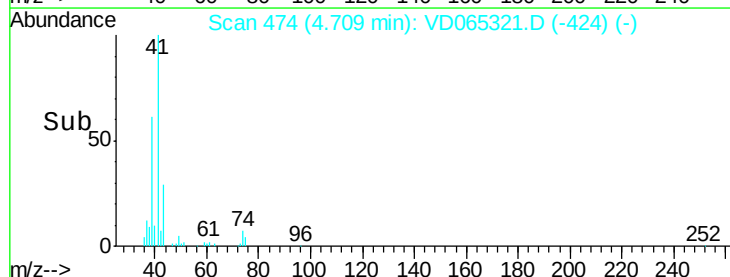
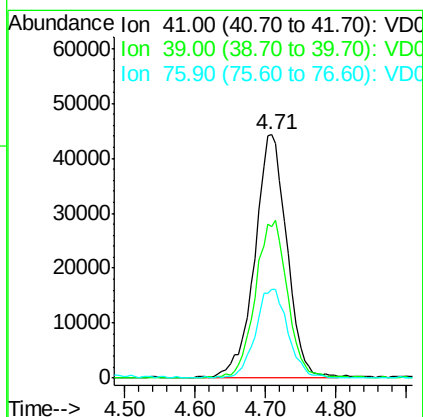
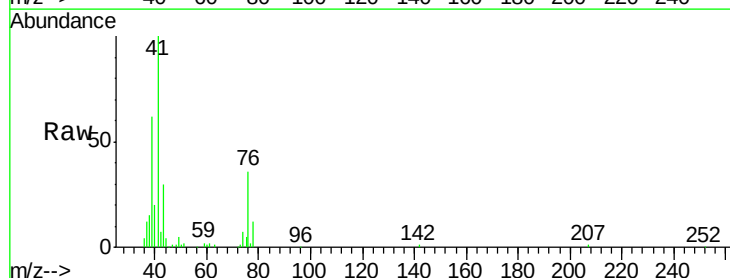
Tgt Ion: 41 Resp: 141533

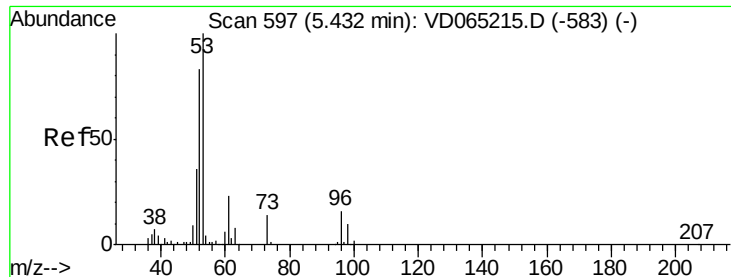
Ion Ratio Lower Upper

41 100

39 64.3 53.8 80.6

76 36.4 28.7 43.1





#15

Acrylonitrile

Concen: 109.089 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

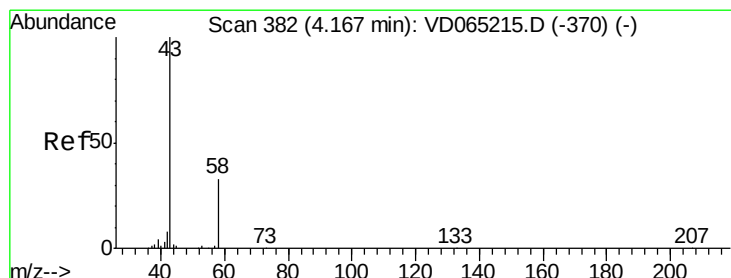
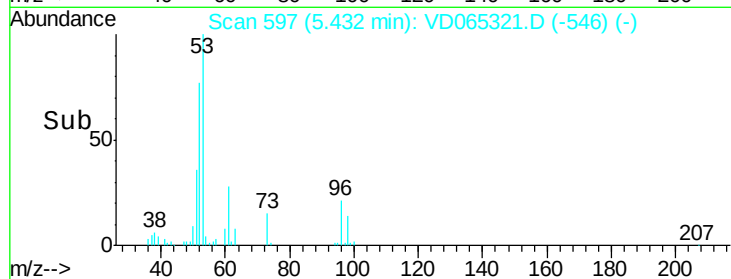
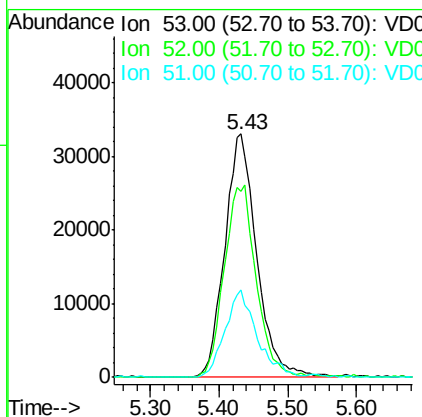
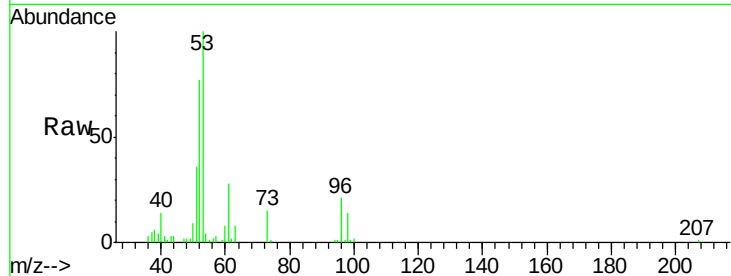
ClientSampleId :

VD0226SBS01

Tot Ion:	53	Resp:	106734
Ion Ratio	Lower	Upper	
53	100		
52	78.8	65.4	98.2
51	36.0	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 92.604 ug/l

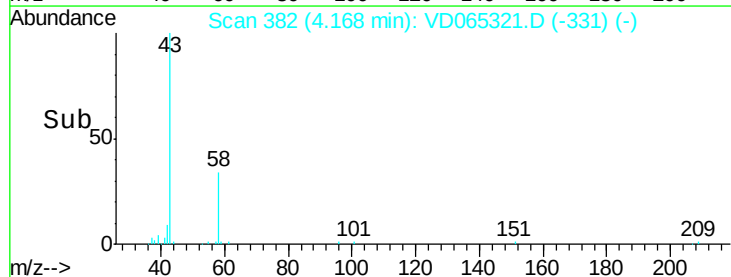
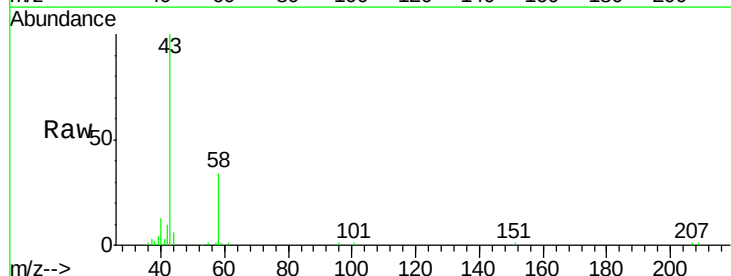
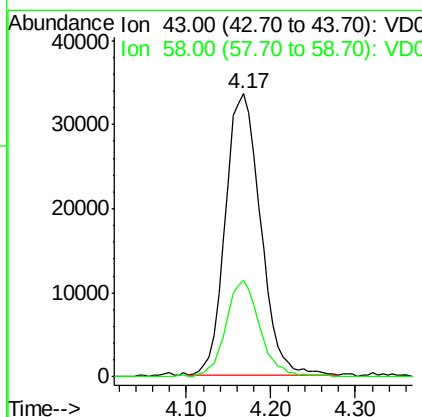
RT: 4.17 min Scan# 382

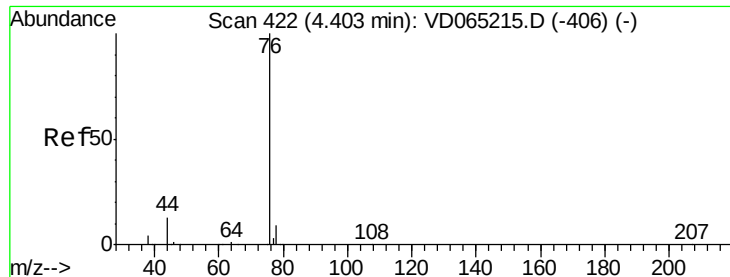
Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Tgt Ion:	43	Resp:	95929
Ion Ratio	Lower	Upper	
43	100		
58	34.2	26.2	39.2





#17

Carbon Disulfide

Concen: 19.277 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBSD01

Tot Ion: 76 Resp: 282268

Ion Ratio Lower Upper

76 100

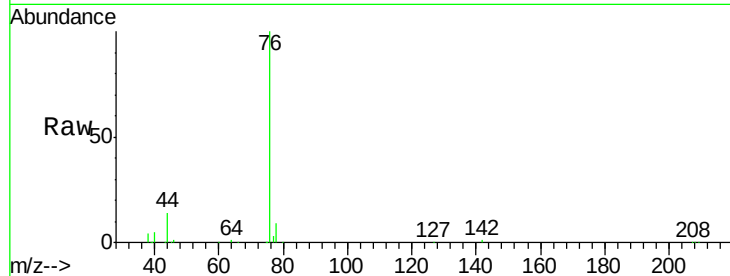
78 9.4 7.0 10.6

Manual Integrations

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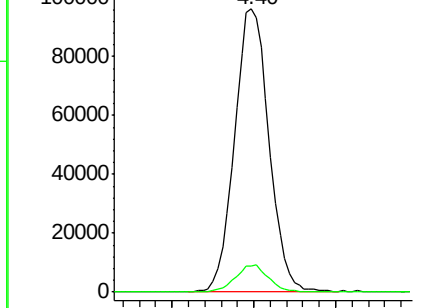
MMDadoda

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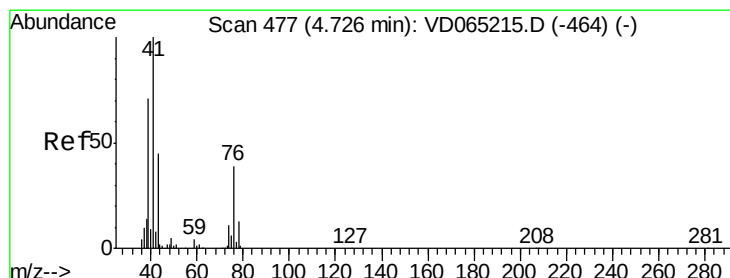
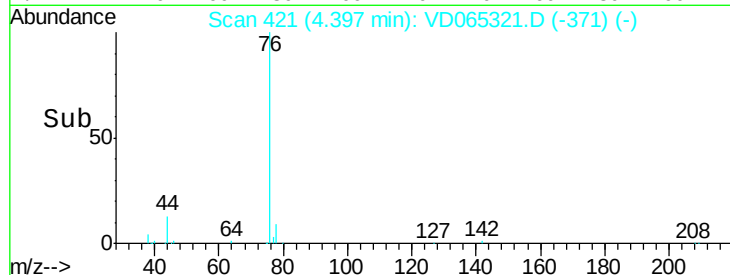


Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



Time-->



#18

Methyl Acetate

Concen: 23.109 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065321.D

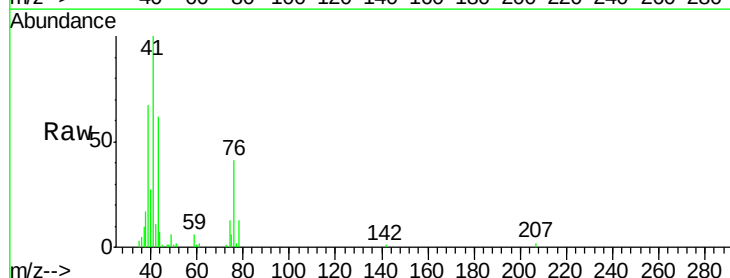
Acq: 26 Feb 2020 11:57

Tgt Ion: 43 Resp: 53840

Ion Ratio Lower Upper

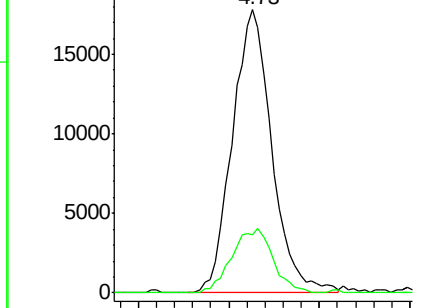
43 100

74 23.5 19.4 29.2

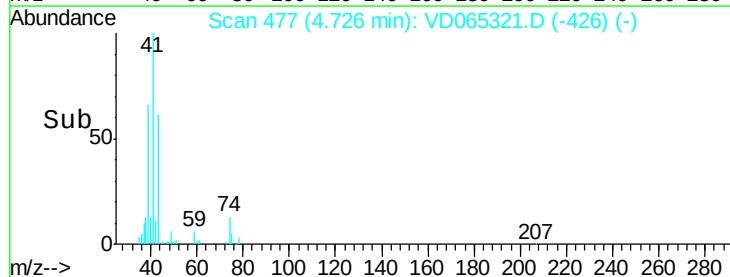


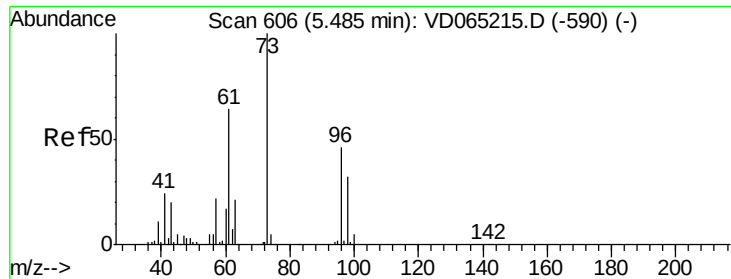
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->





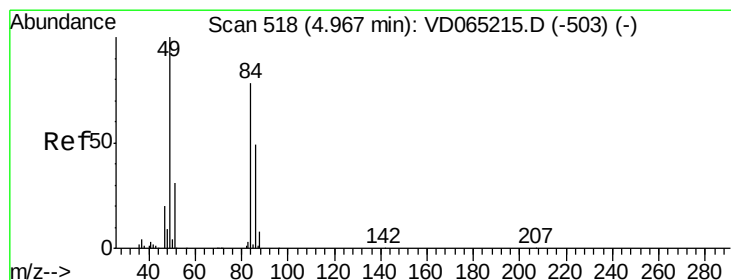
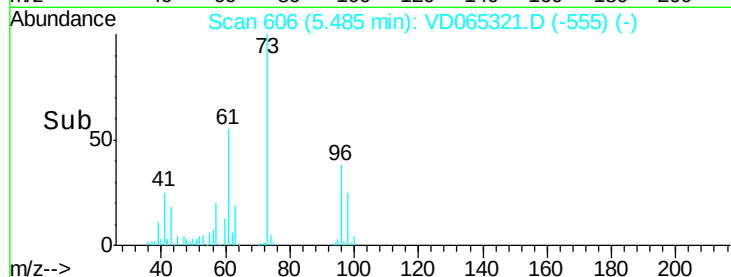
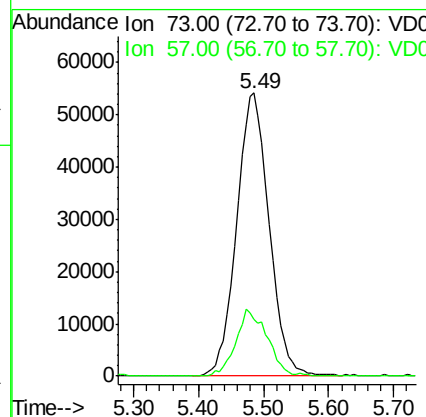
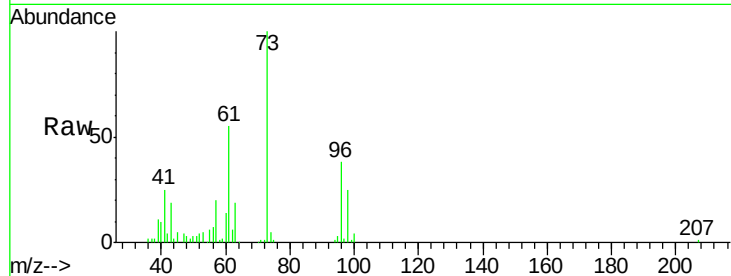
#19
Methyl tert-butyl Ether
Concen: 20.515 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion: 73 Resp: 186846
Ion Ratio Lower Upper
73 100
57 20.2 17.3 25.9

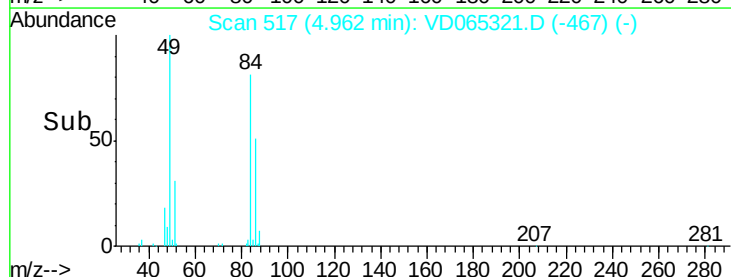
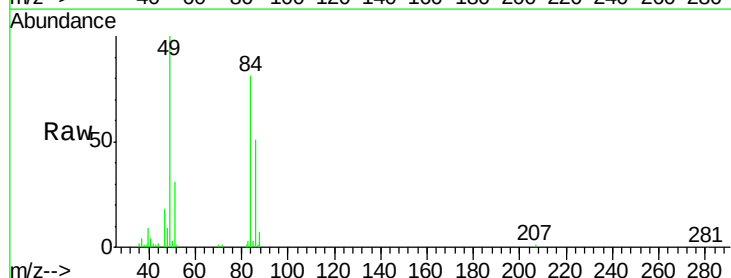
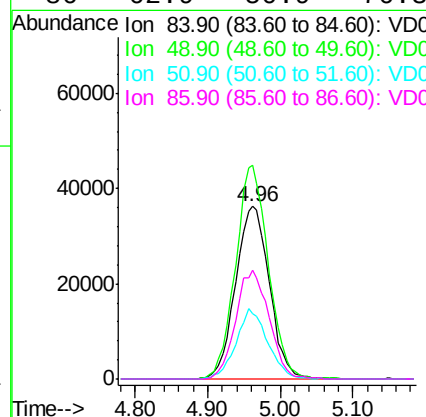
Manual Integrations
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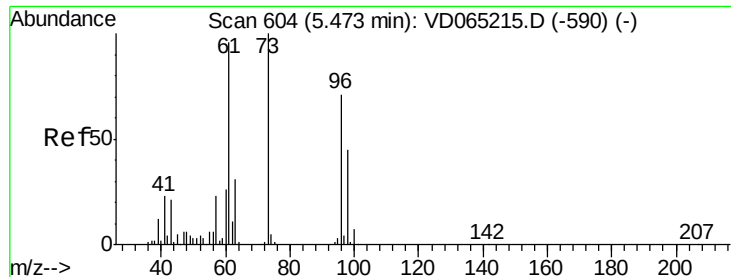
MMDadoda
2/27/2020 11:39:24 AM



#20
Methylene Chloride
Concen: 22.928 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion: 84 Resp: 117243
Ion Ratio Lower Upper
84 100
49 123.7 103.1 154.7
51 37.9 31.7 47.5
86 62.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.315 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

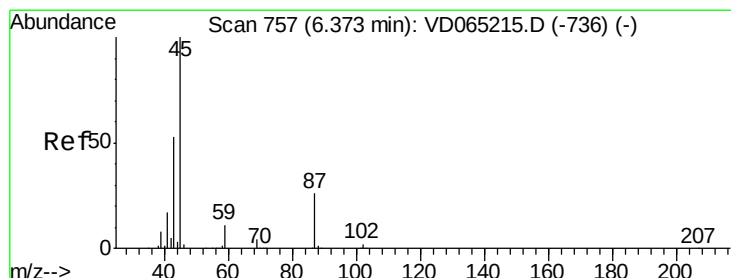
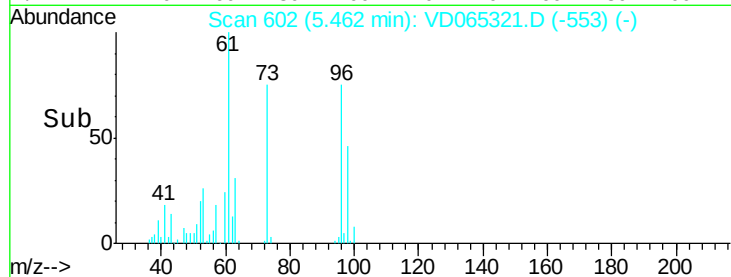
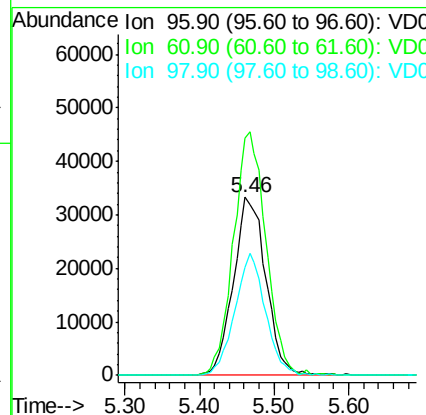
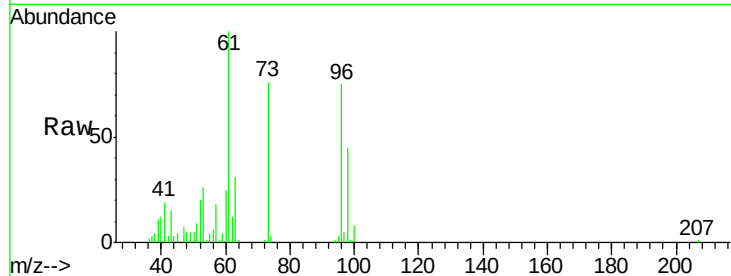
ClientSampleId :

VD0226SBS01

Tot Ion:	96	Resp:	100866
Ion	Ratio	Lower	Upper
96	100		
61	133.1	108.3	162.5
98	60.4	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.819 ug/l

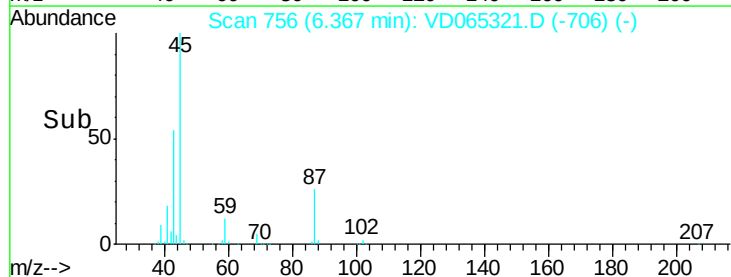
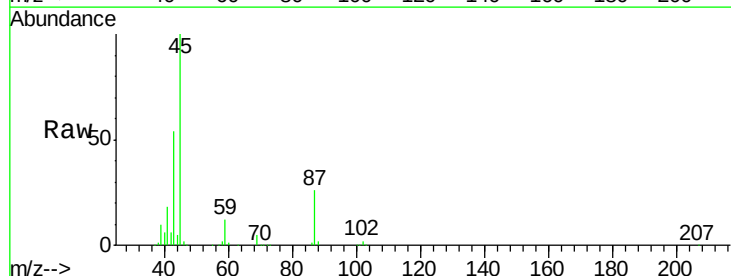
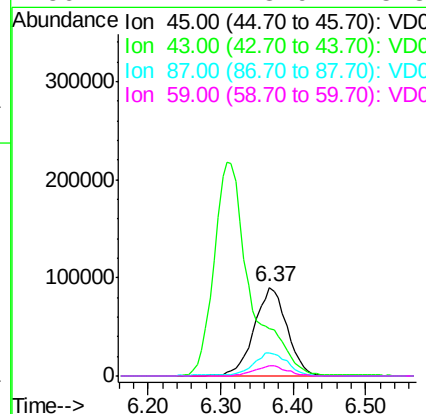
RT: 6.37 min Scan# 756

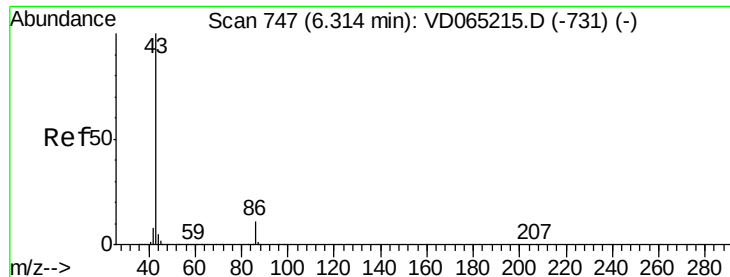
Delta R.T. -0.01 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Tgt Ion:	45	Resp:	284649
Ion	Ratio	Lower	Upper
45	100		
43	52.7	42.6	64.0
87	26.4	21.2	31.8
59	12.2	8.9	13.3





#23

Vinyl Acetate

Concen: 100.540 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 43 Resp: 757823

Ion Ratio Lower Upper

43 100

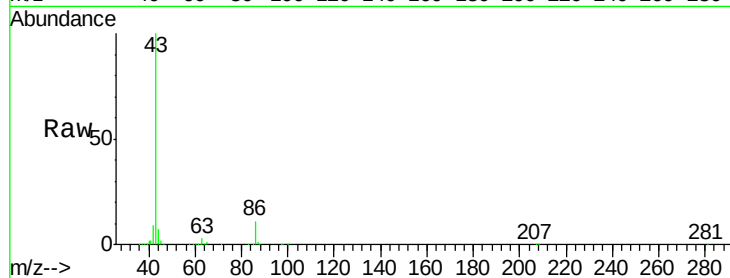
86 11.4 8.6 12.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

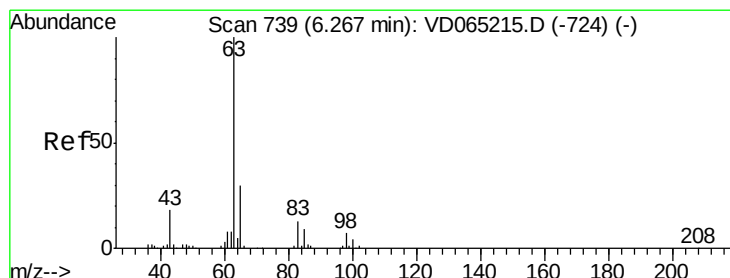
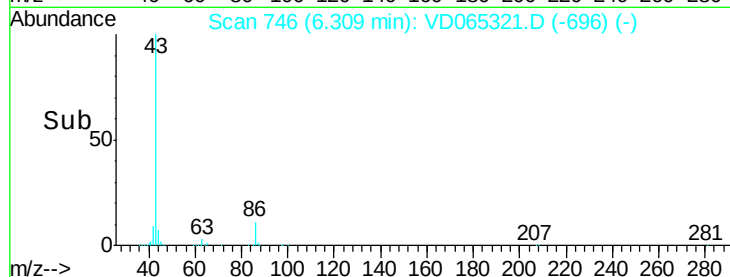
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.739 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

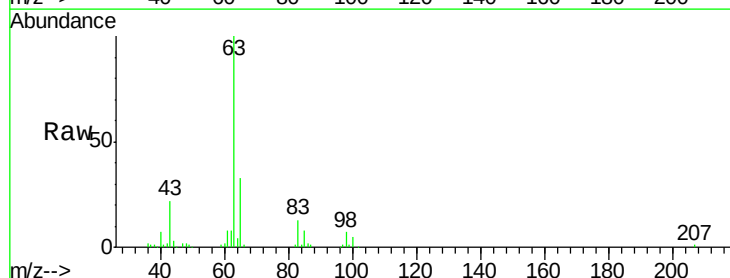
Tgt Ion: 63 Resp: 175878

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

100 5.0 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

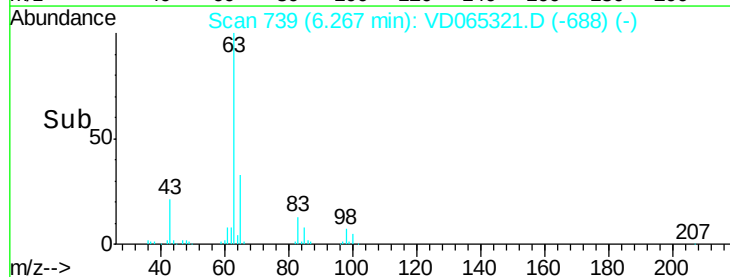
60000

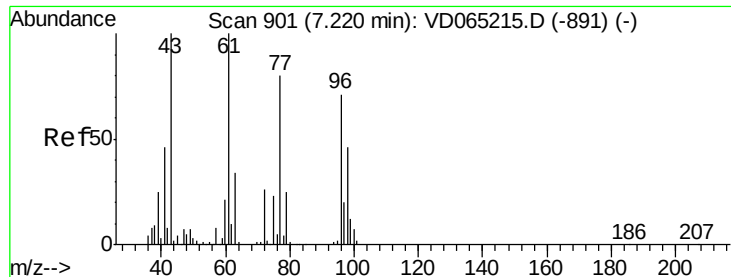
40000

20000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 97.525 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 43 Resp: 127821

Ion Ratio Lower Upper

43 100

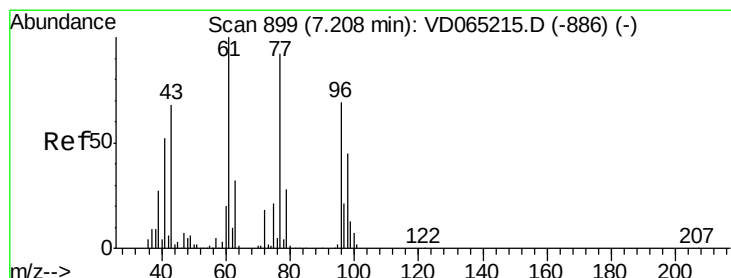
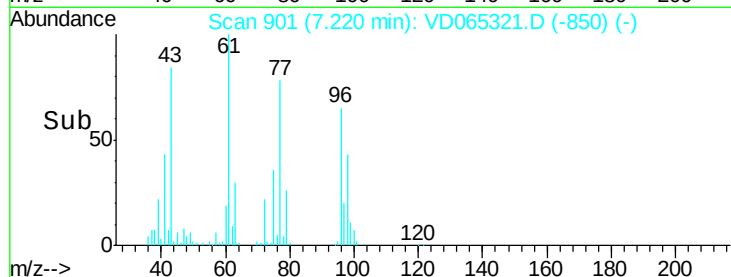
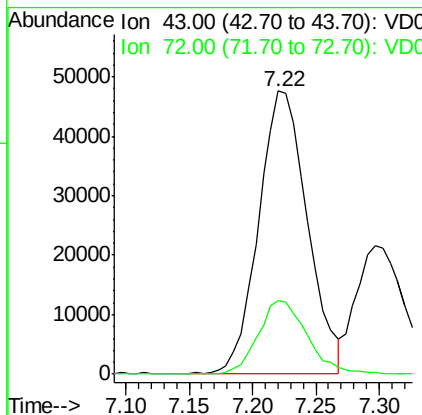
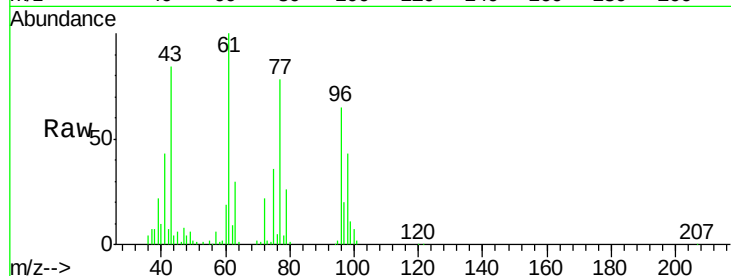
72 26.0 20.9 31.3

Manual Integrations

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MMDadoda

2/27/2020 11:39:24 AM



#26

2,2-Dichloropropane

Concen: 20.538 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065321.D

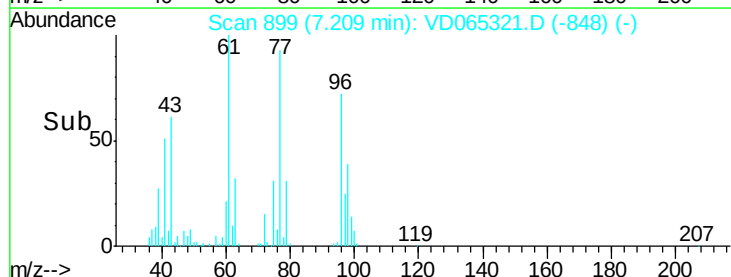
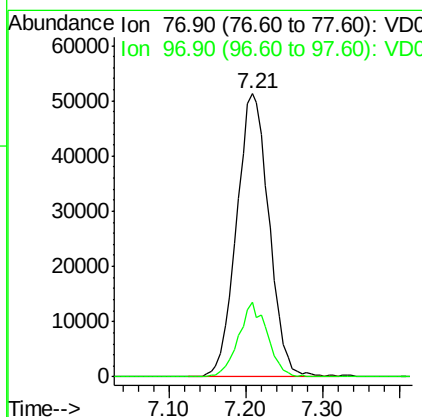
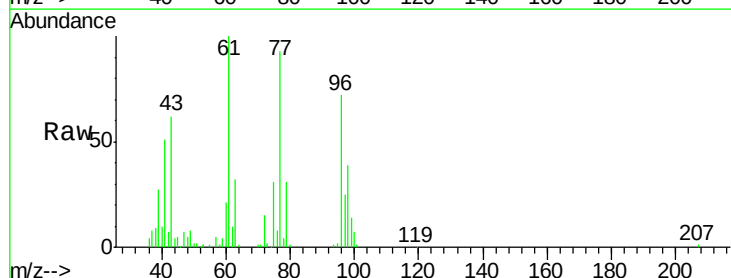
Acq: 26 Feb 2020 11:57

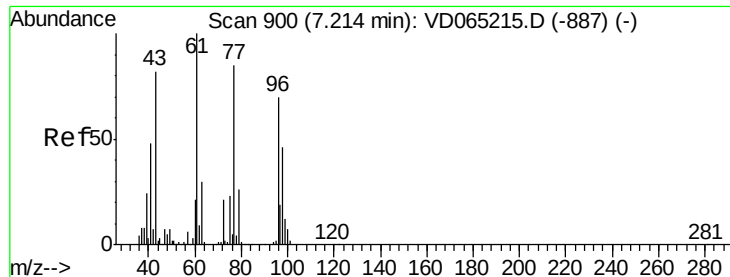
Tgt Ion: 77 Resp: 151117

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





#27

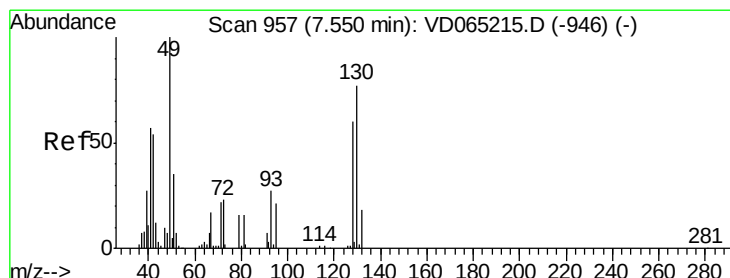
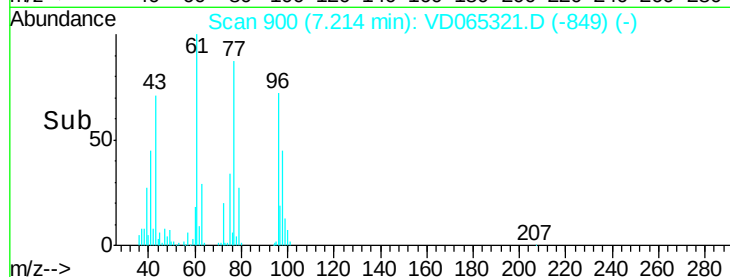
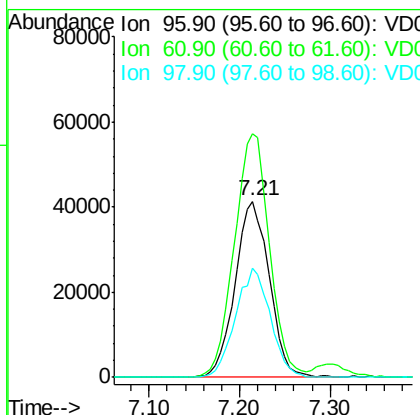
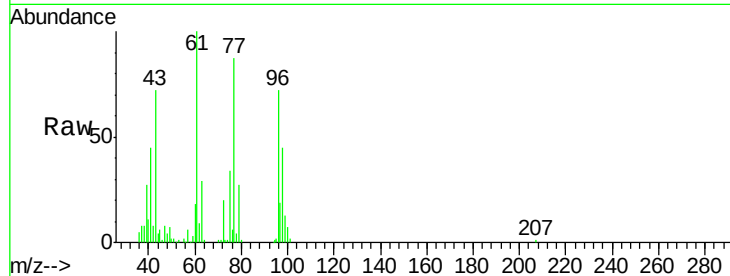
cis-1,2-Dichloroethene
Concen: 20.650 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.8	0.0	286.0	
98	62.8	0.0	127.8	

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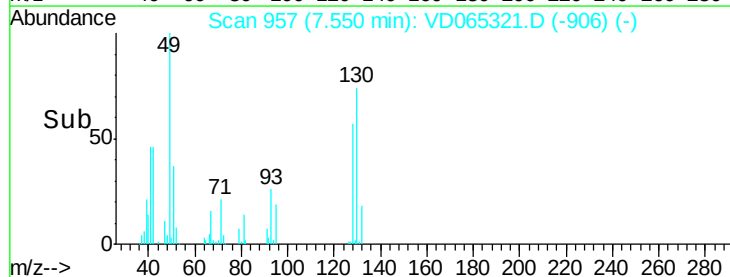
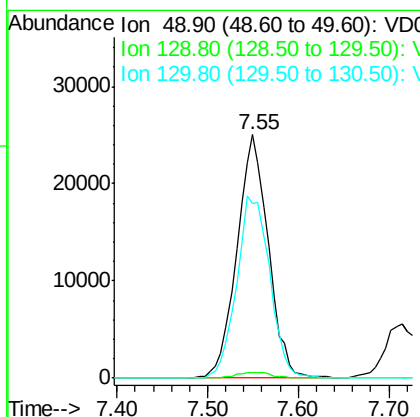
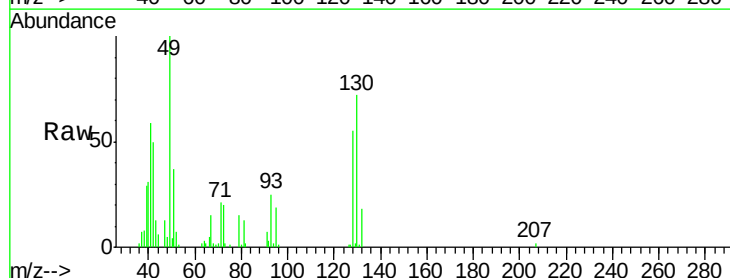
MMDadoda
2/27/2020 11:39:24 AM

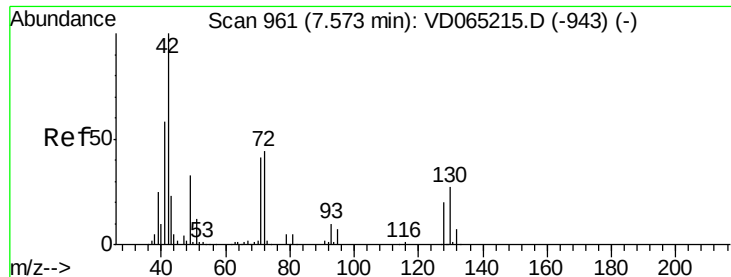


#28

Bromochloromethane
Concen: 19.153 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	4.6	
130	78.9	64.7	97.1	





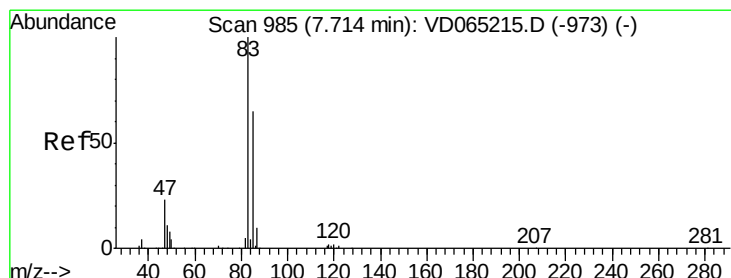
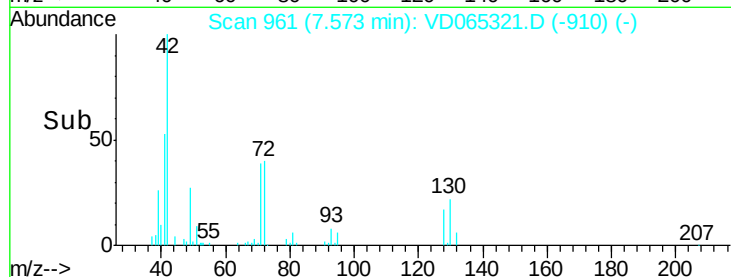
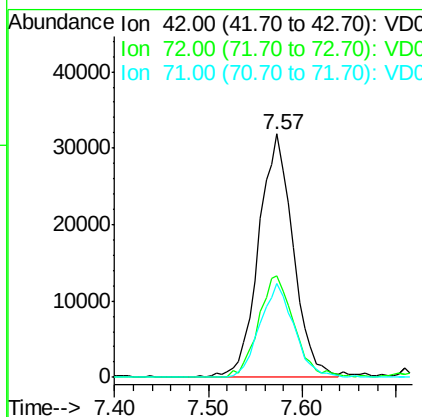
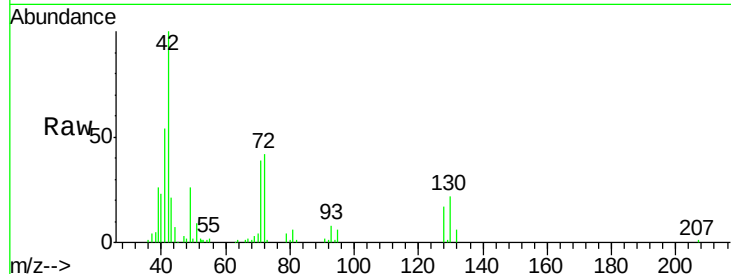
#29
Tetrahydrofuran
Concen: 105.303 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.7	50.5
71	38.0	31.4	47.2

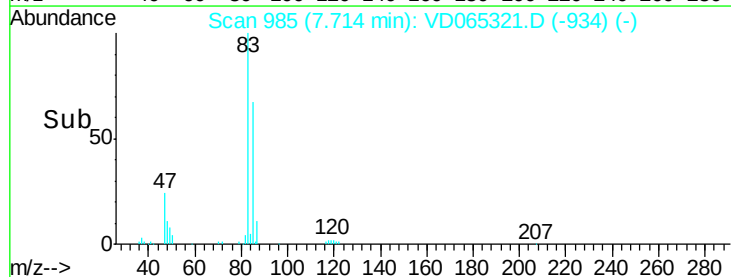
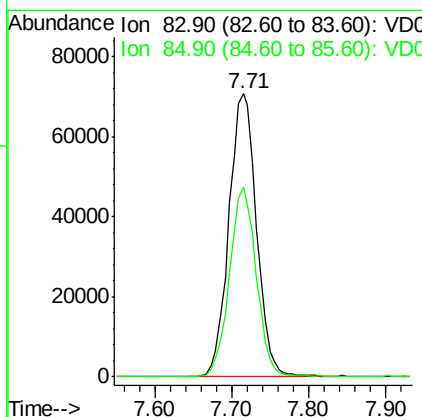
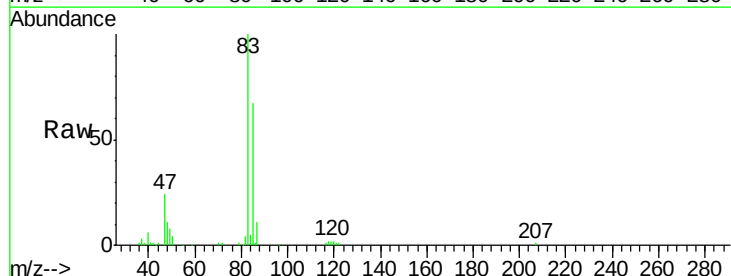
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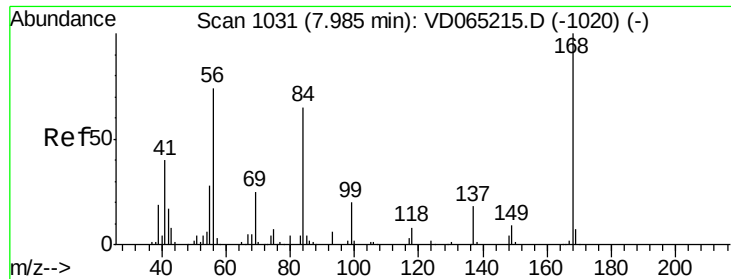
MMDadoda
2/27/2020 11:39:24 AM



#30
Chloroform
Concen: 20.793 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.3	78.5





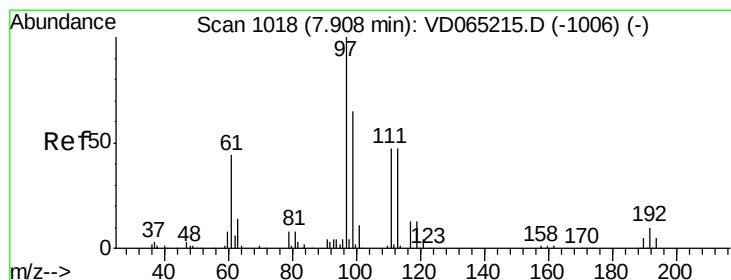
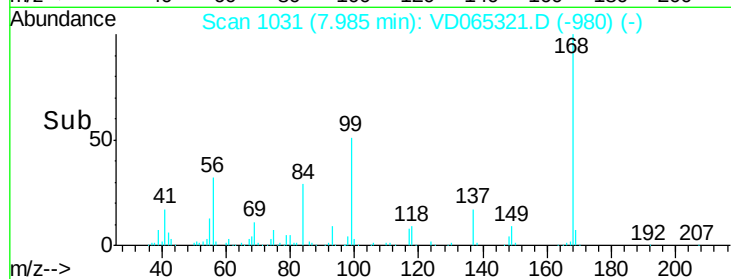
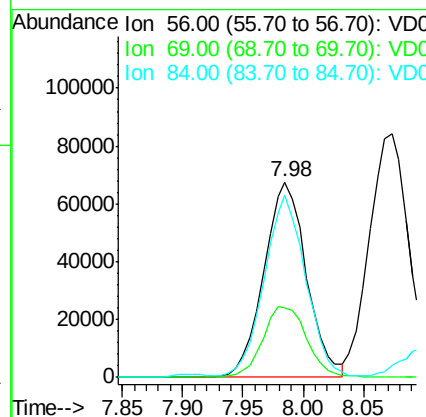
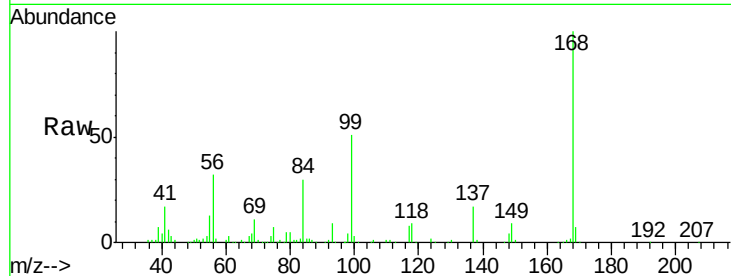
#31
Cyclohexane
Concen: 19.748 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	164545		
69	35.4	27.4	41.0	
84	92.1	71.1	106.7	

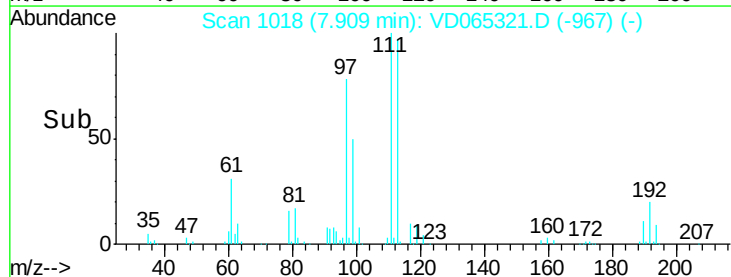
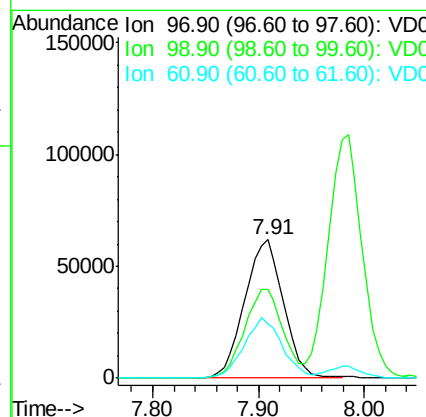
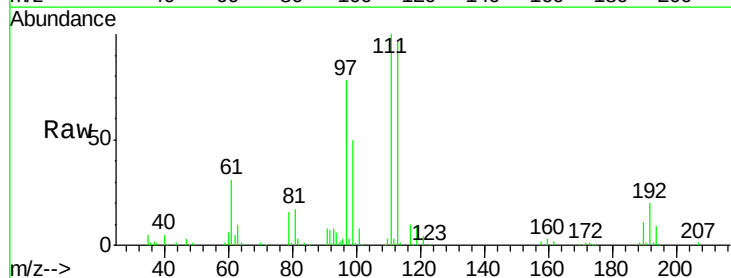
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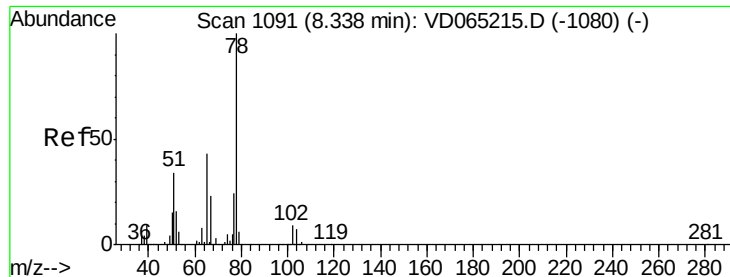
MMDadoda
2/27/2020 11:39:24 AM



#32
1,1,1-Trichloroethane
Concen: 20.653 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	157875		
99	63.1	51.4	77.2	
61	42.7	34.8	52.2	





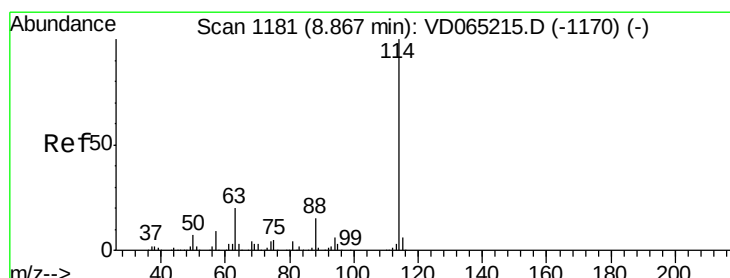
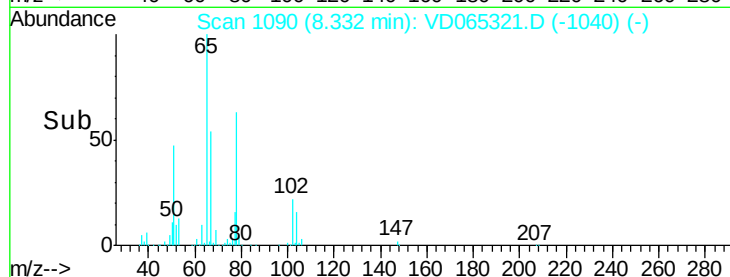
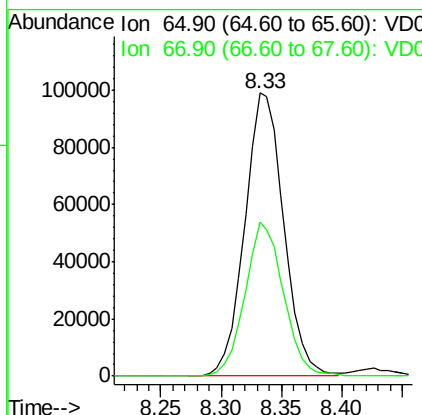
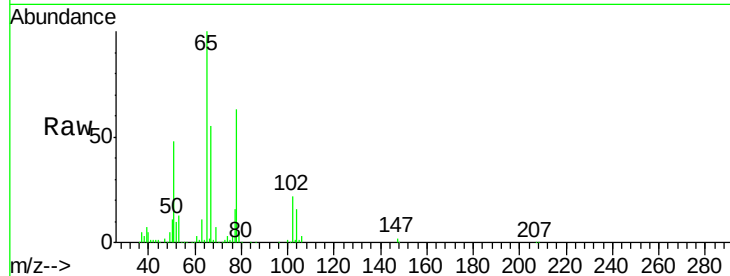
#33
 1,2-Dichloroethane-d4
 Concen: 52.501 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	222485		
67	53.8	0.0	106.8	

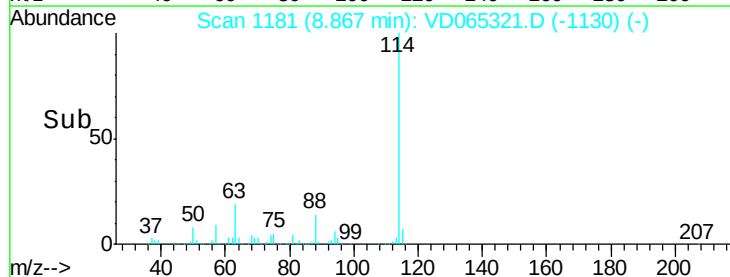
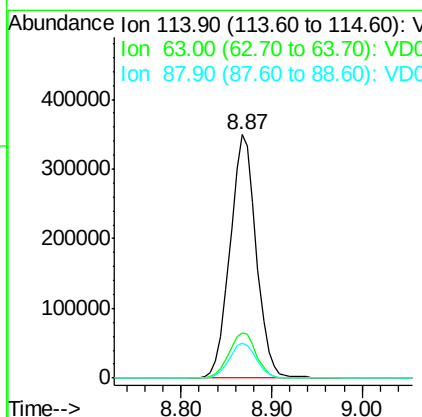
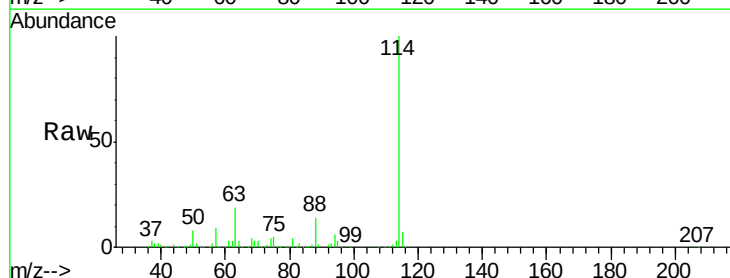
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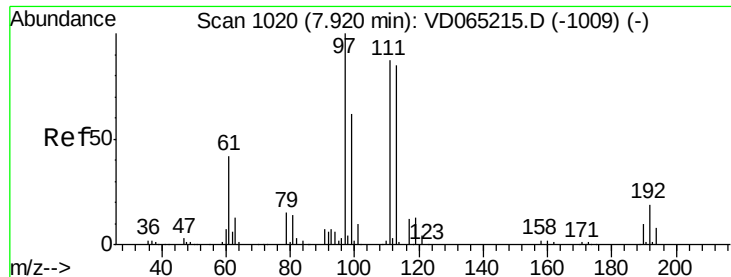
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	700559		
63	18.8	0.0	39.4	
88	14.4	0.0	30.4	





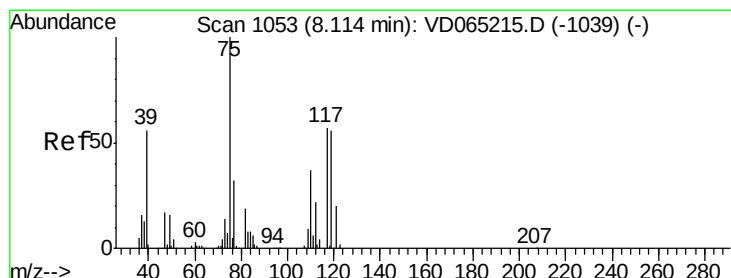
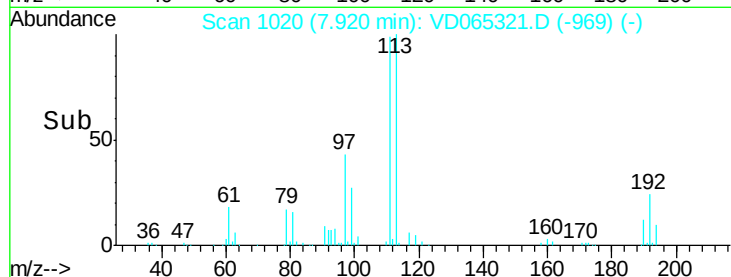
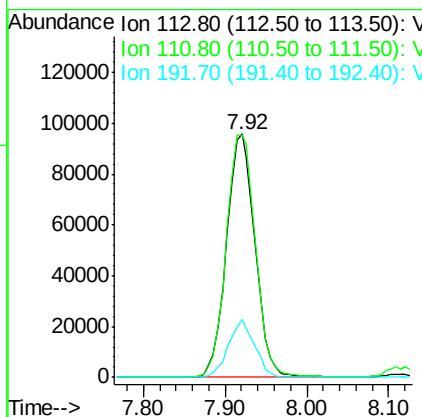
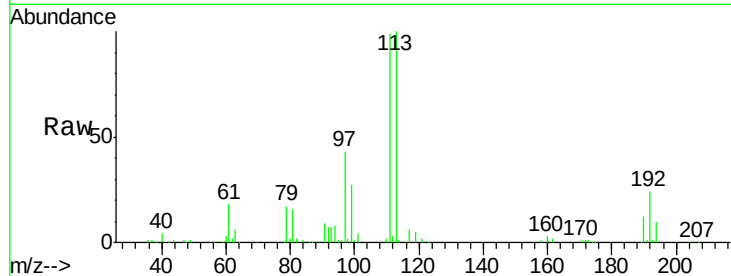
#35
 Dibromofluoromethane
 Concen: 54.377 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	232277		
111	102.4	82.9	124.3	
192	21.6	17.3	25.9	

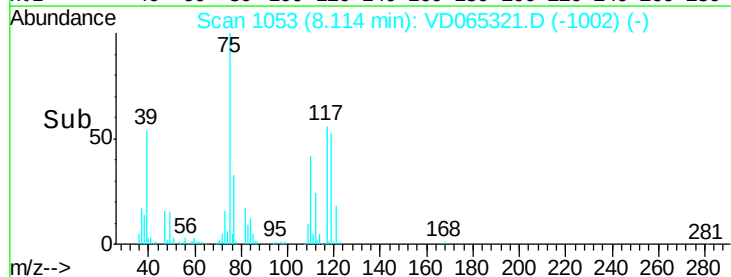
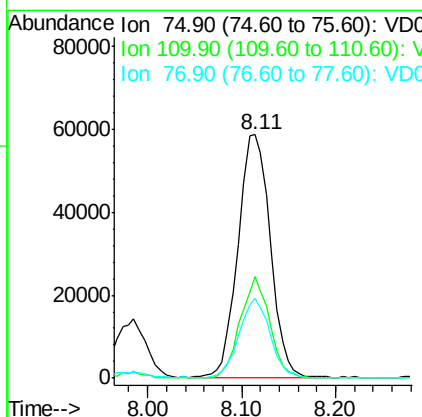
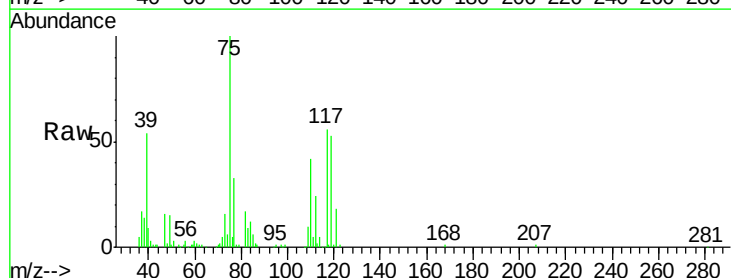
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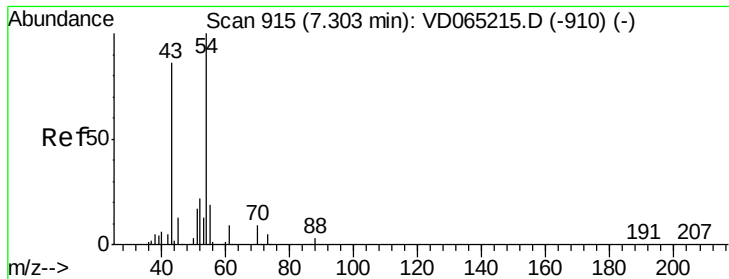
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#36
 1,1-Dichloropropene
 Concen: 20.439 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139323		
110	38.1	17.9	53.7	
77	31.9	25.1	37.7	





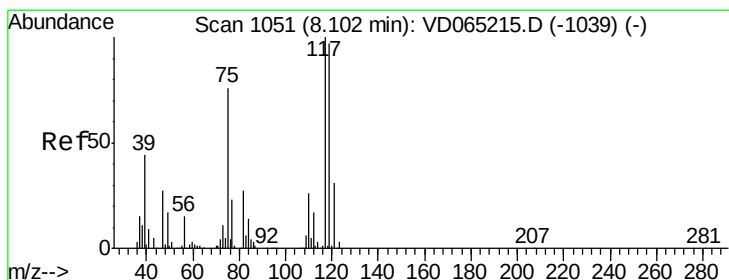
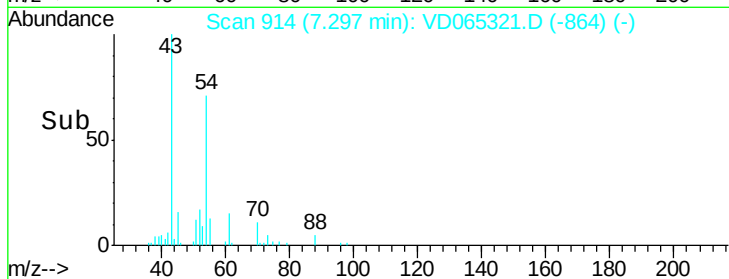
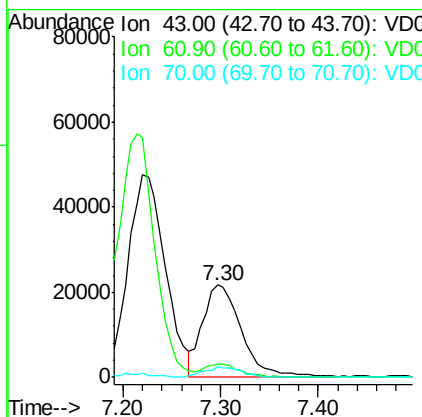
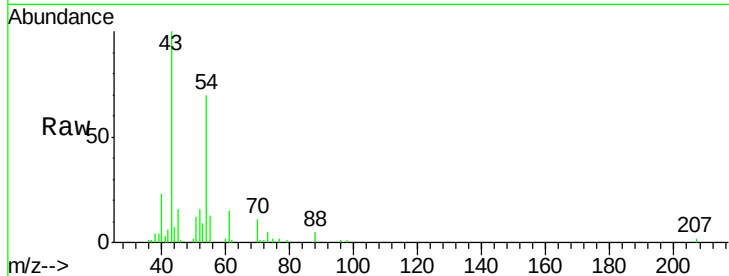
#37
Ethyl Acetate
Concen: 21.126 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.2	16.8
70	10.4	8.2	12.2

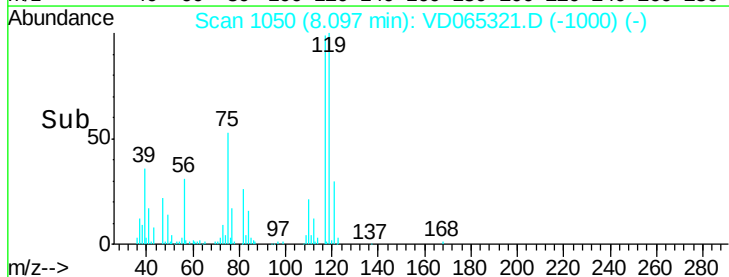
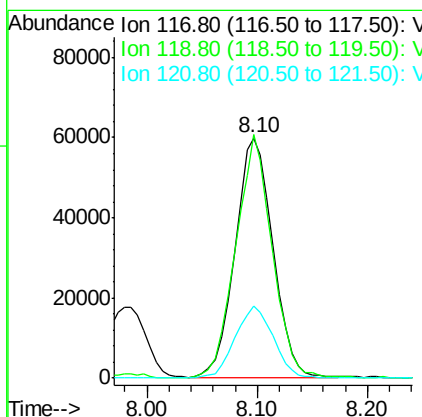
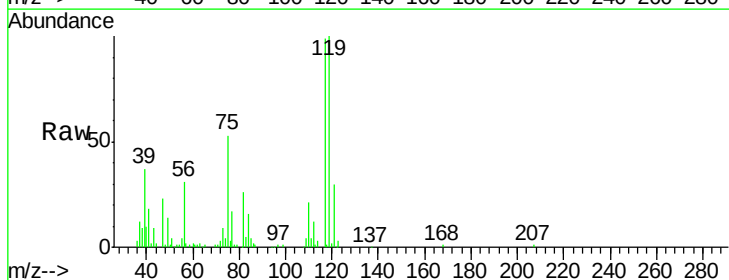
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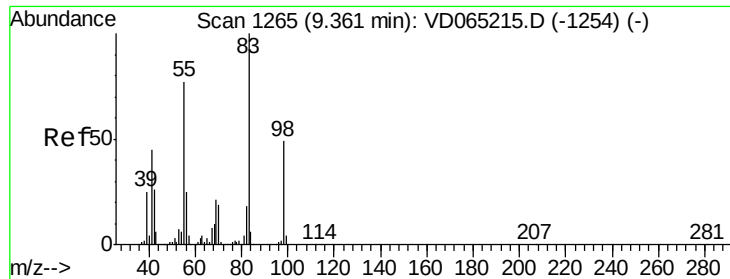
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.664 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.6	77.6	116.4
121	30.3	24.8	37.2





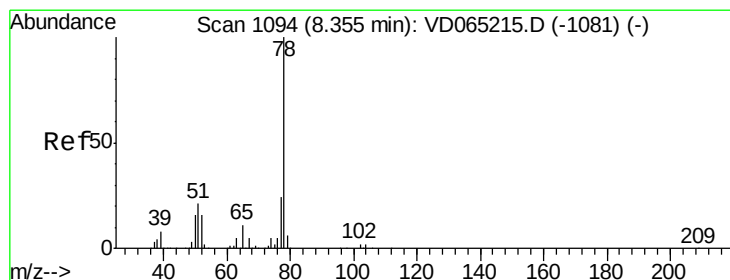
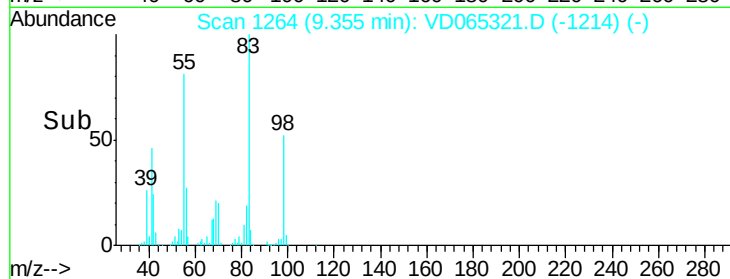
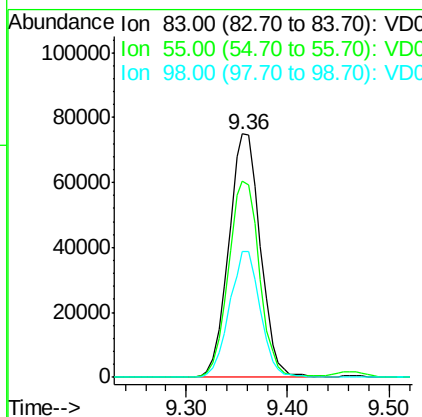
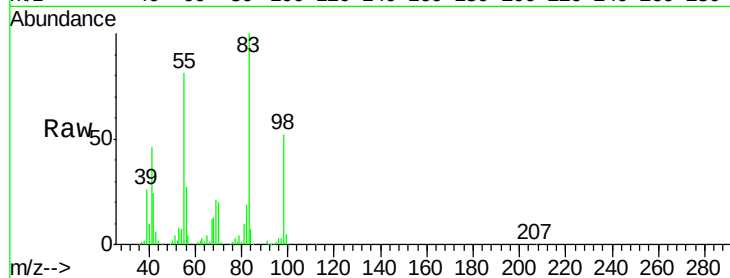
#39
Methylvlcyclohexane
Concen: 20.269 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	61.8	92.6
98	51.8	39.4	59.0

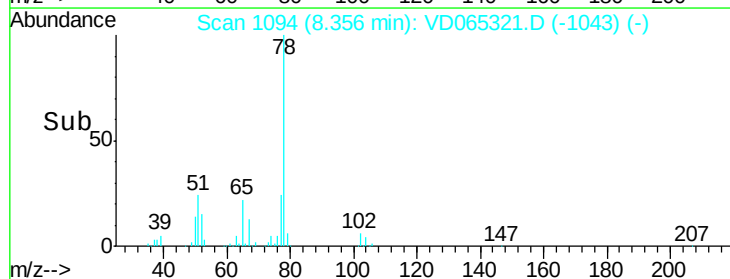
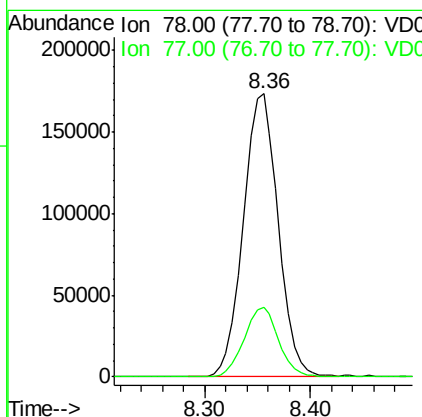
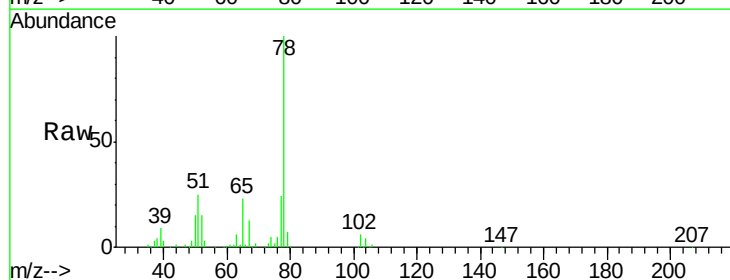
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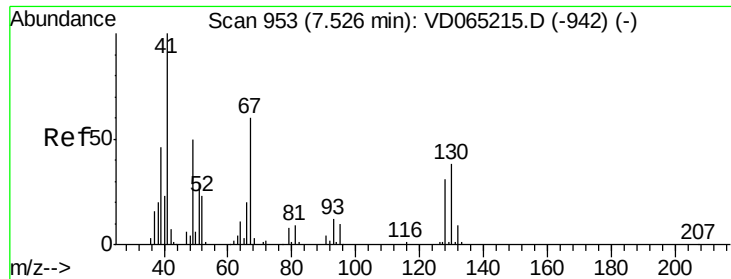
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#40
Benzene
Concen: 20.713 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





#41

Methacrylonitrile

Concen: 19.530 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

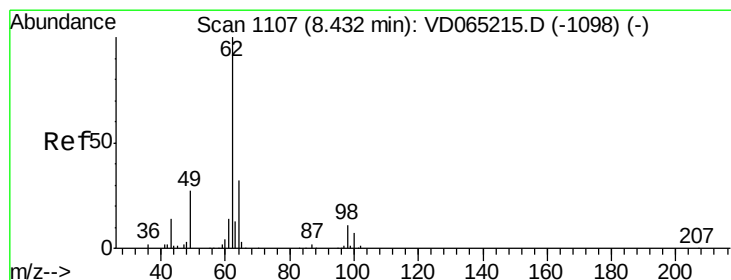
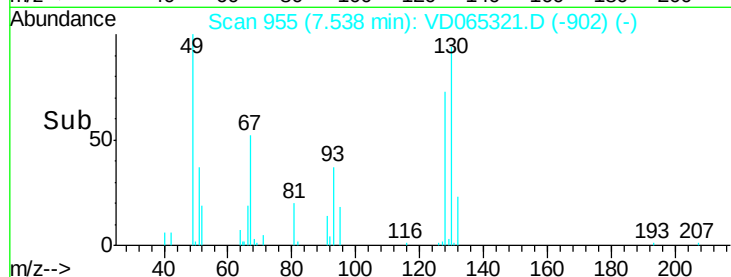
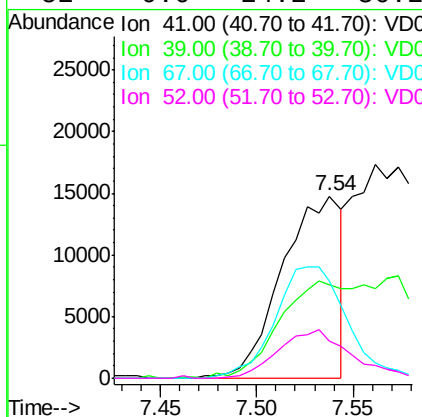
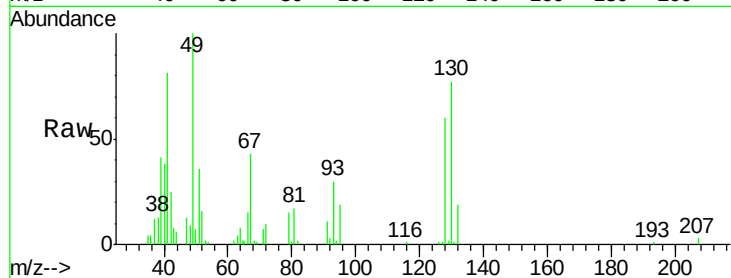
ClientSampleId :

VD0226SBS01

Tot Ion	41	Resp	32134
Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.1	72.1#
67	0.0	58.9	88.3#
52	0.0	24.2	36.2#

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#42

1,2-Dichloroethane

Concen: 20.404 ug/l

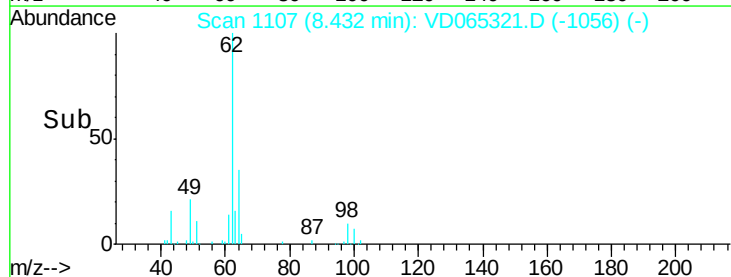
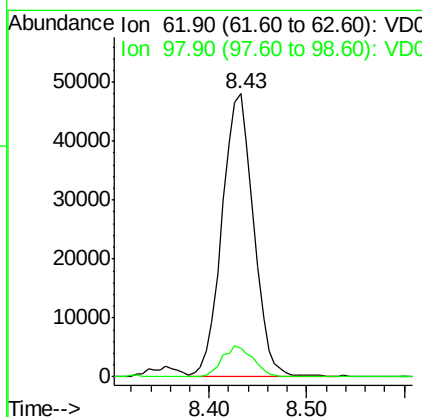
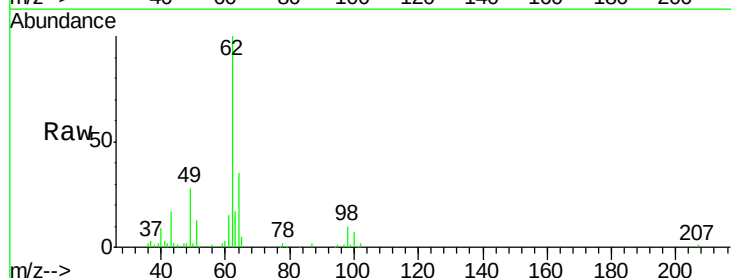
RT: 8.43 min Scan# 1107

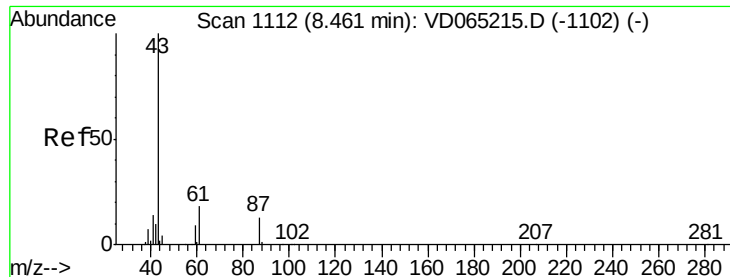
Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Tgt Ion	62	Resp	107927
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.6





#43

Isopropyl Acetate

Concen: 20.926 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

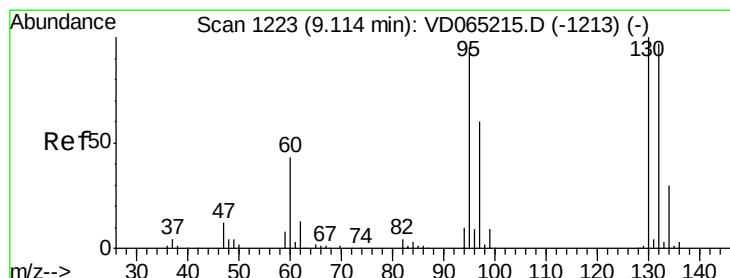
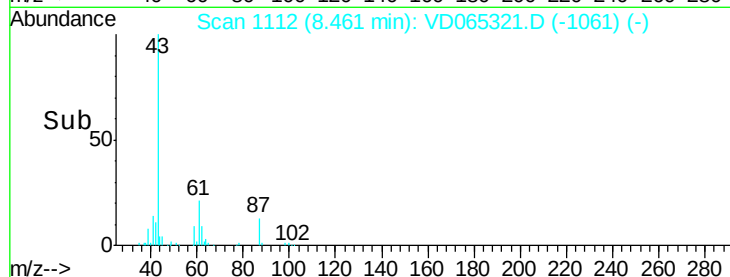
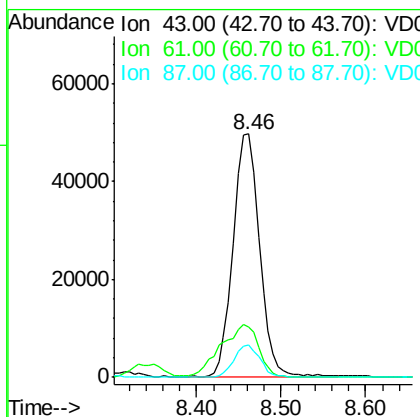
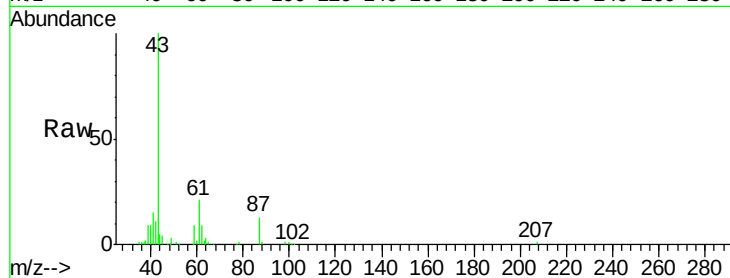
ClientSampleId :

VD0226SBSD01

Tot Ion:	43	Resp:	108438
Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.6	36.8
87	12.9	10.6	16.0

Manual Integrations
APPROVED

MMDadoda
2/27/2020 11:39:24 AM



#44

Trichloroethene

Concen: 21.341 ug/l

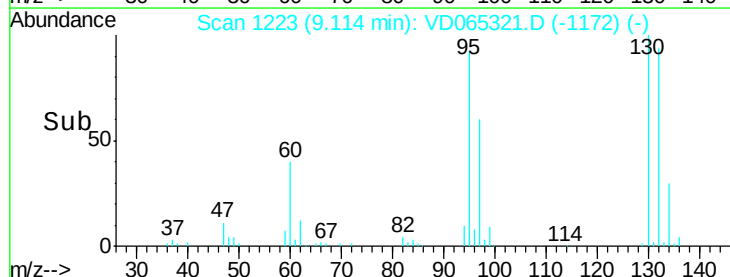
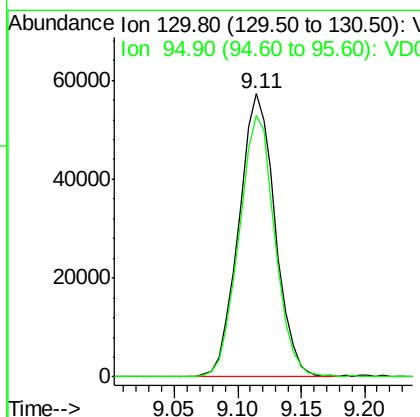
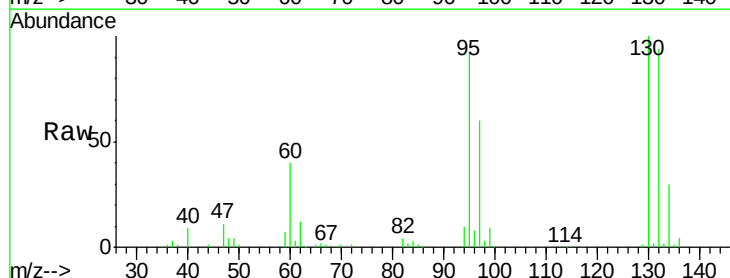
RT: 9.11 min Scan# 1223

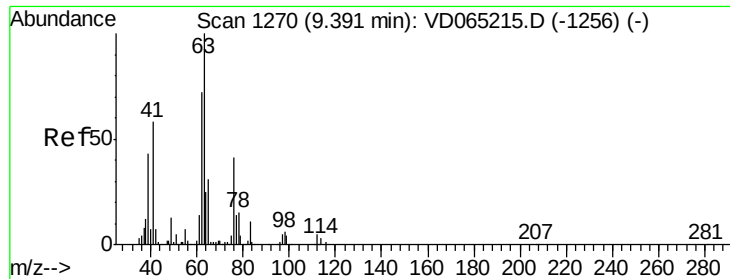
Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Tgt Ion:	130	Resp:	113816
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	190.6





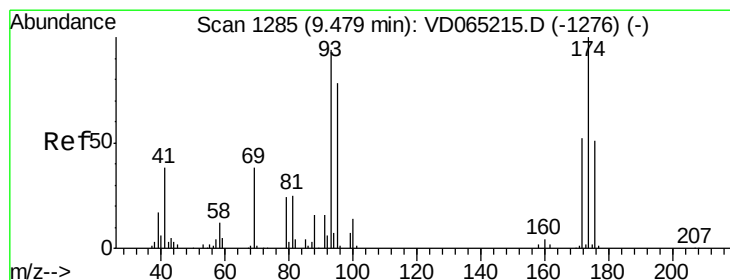
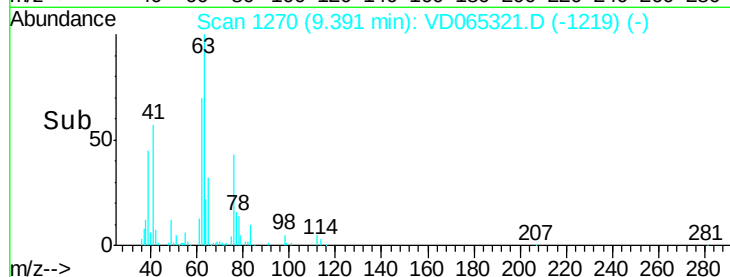
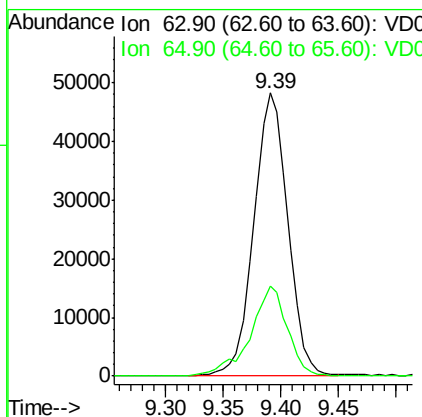
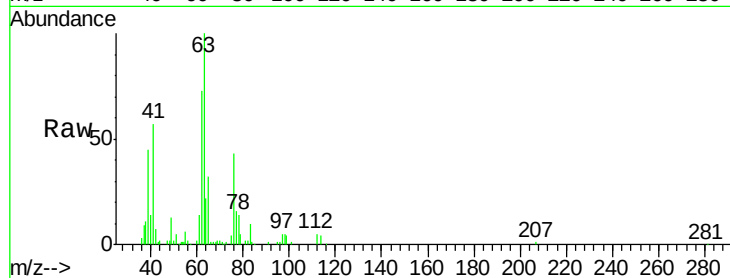
#45
 1,2-Dichloropropane
 Concen: 20.790 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.9	37.3

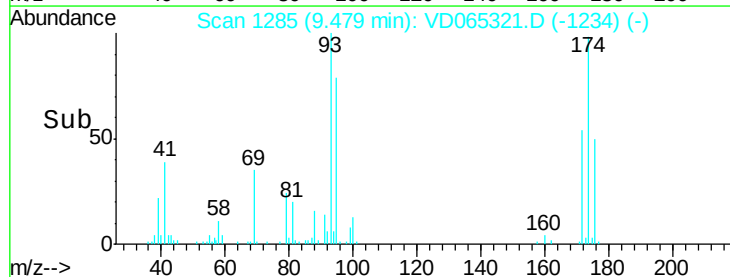
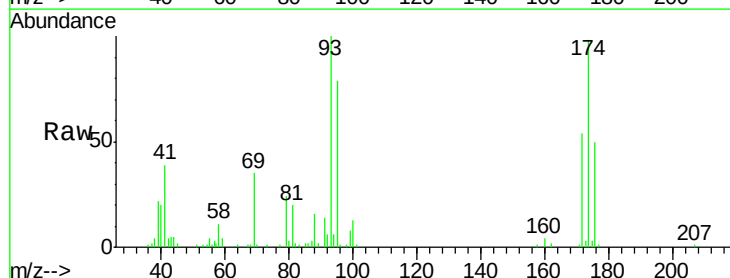
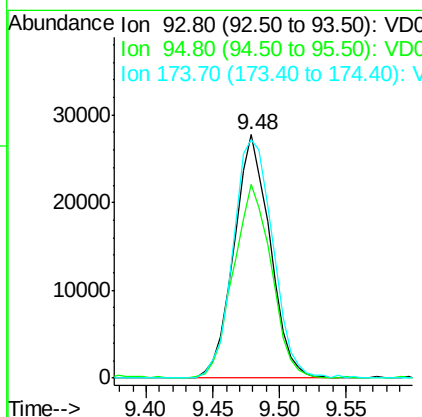
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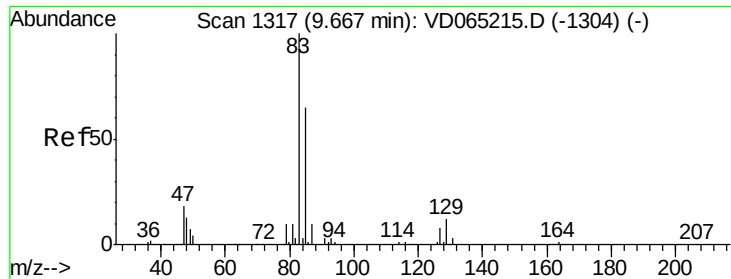
MMDadoda
 2/27/2020 11:39:24 AM



#46
 Dibromomethane
 Concen: 21.112 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.8	98.6
174	108.0	86.8	130.2





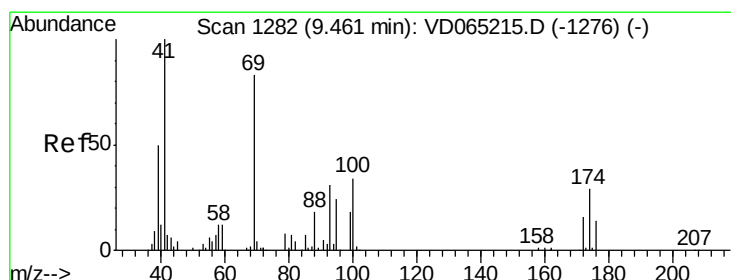
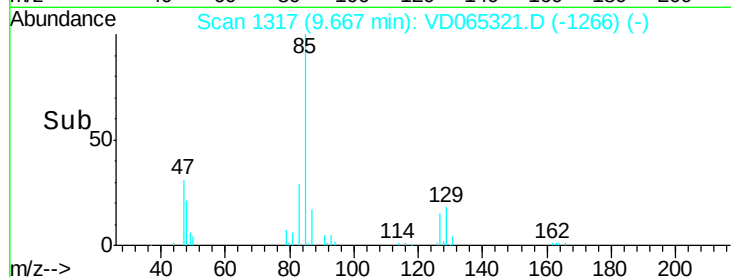
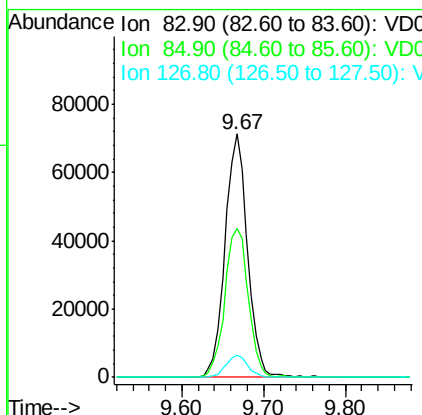
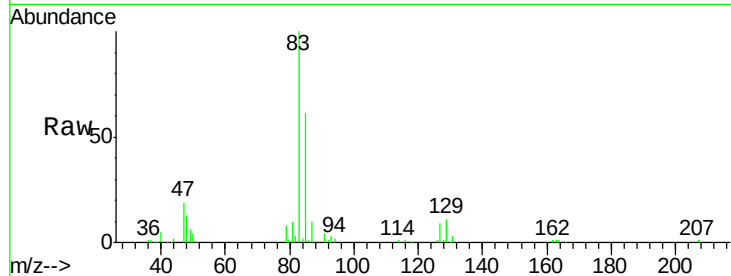
#47
Bromodichloromethane
Concen: 21.077 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBSD01

Tot Ion	83	Resp	136728
Ion Ratio	100	Lower	Upper
83	100		
85	61.1	52.0	78.0
127	9.0	6.7	10.1

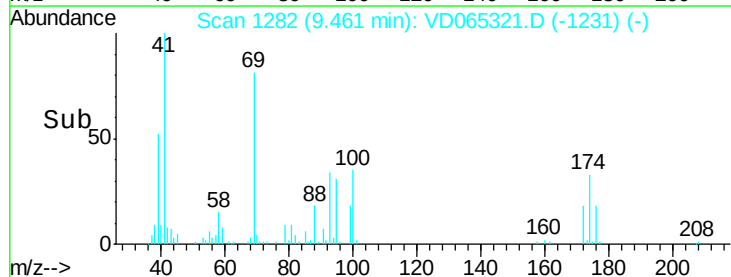
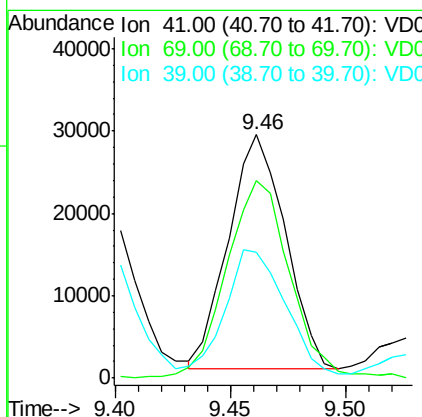
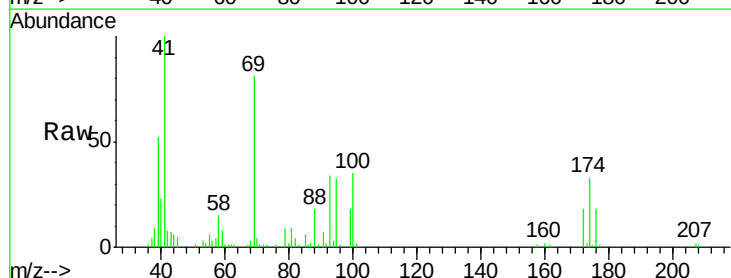
Manual Integrations
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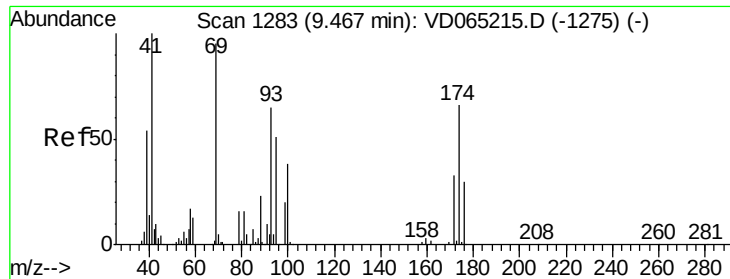
MMDadoda
2/27/2020 11:39:24 AM



#48
Methyl methacrylate
Concen: 20.273 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	41	Resp	48559
Ion Ratio	100	Lower	Upper
41	100		
69	94.2	68.2	102.2
39	55.4	42.0	63.0





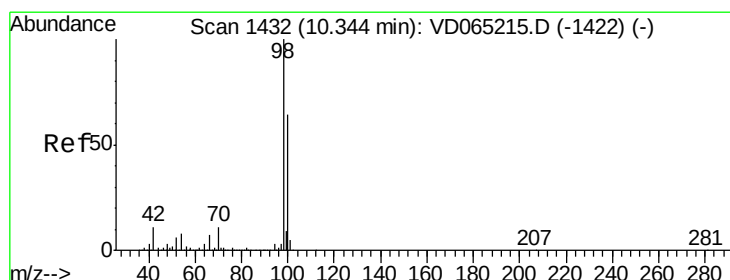
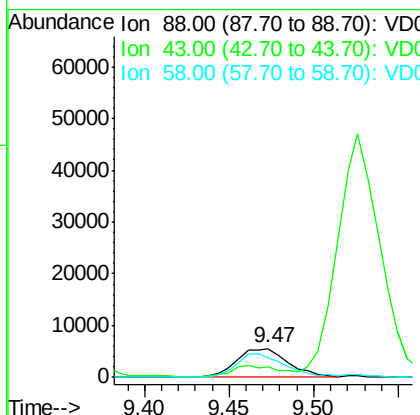
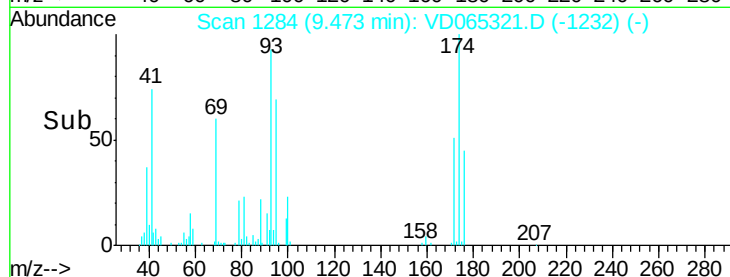
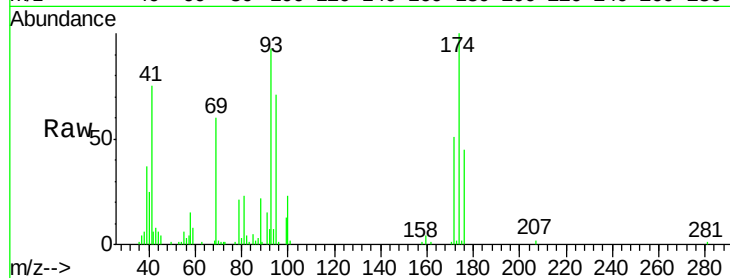
#49
1,4-Dioxane
Concen: 407.854 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.5	28.5	42.7
58	78.6	58.6	87.8

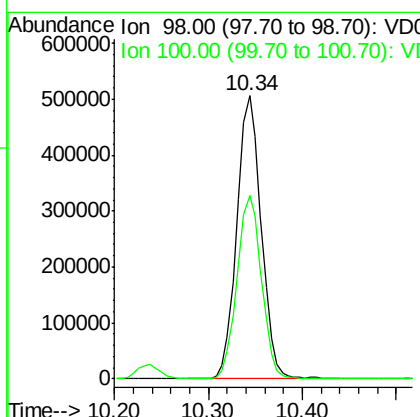
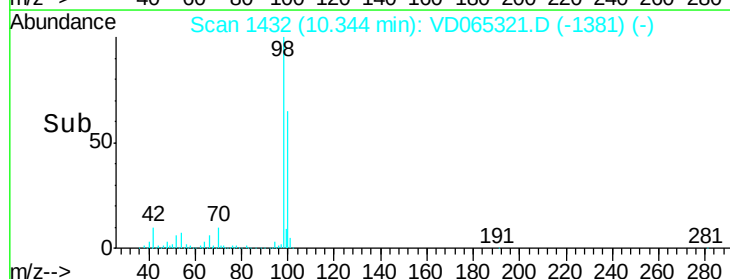
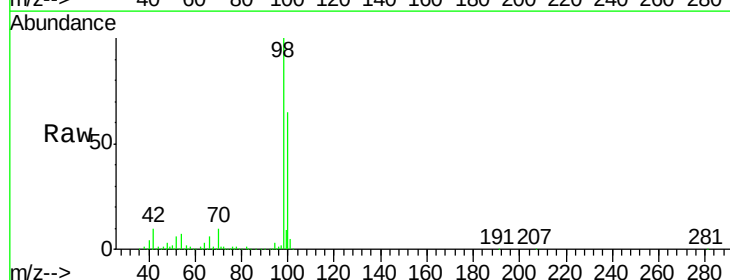
Manual Integrations
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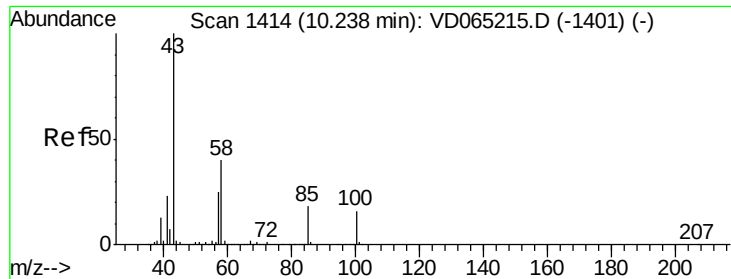
MMDadoda
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#50
Toluene-d8
Concen: 55.778 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0





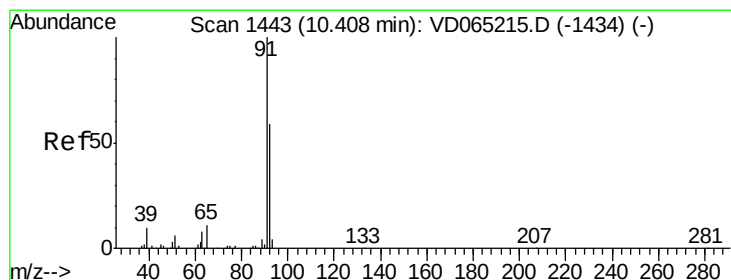
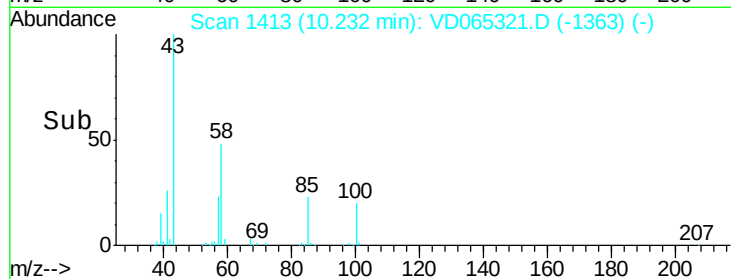
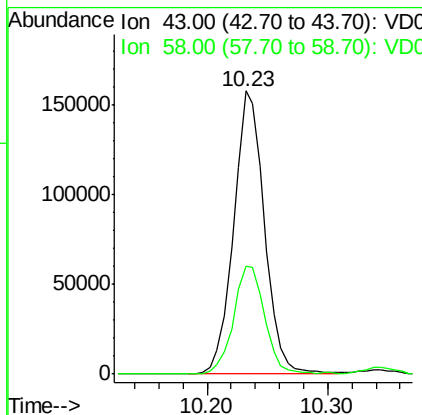
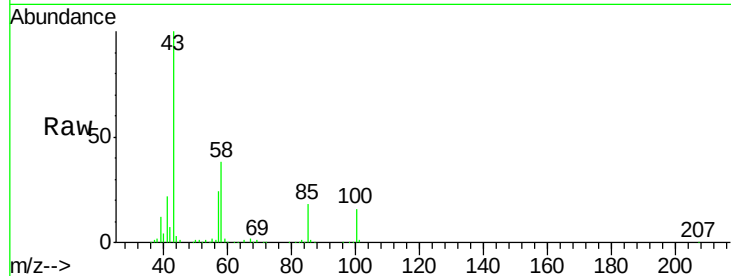
#51
4-Methyl-2-Pentanone
Concen: 106.574 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	43	Resp	280499
Ion Ratio	100	Lower	Upper
58	38.6	31.1	46.7

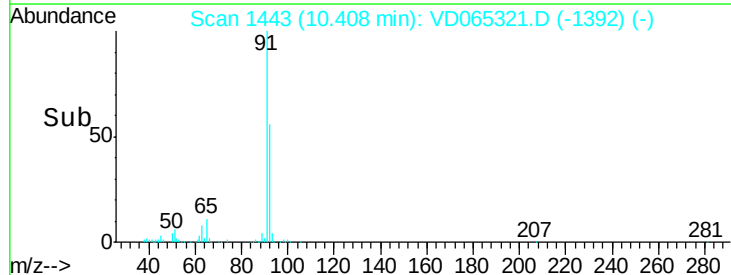
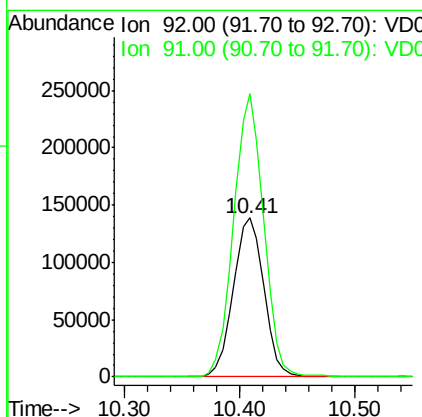
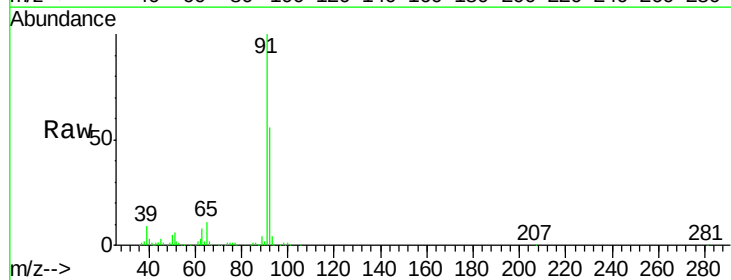
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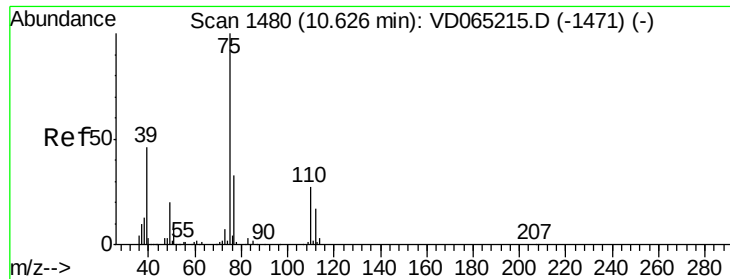
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#52
Toluene
Concen: 21.449 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	92	Resp	255436
Ion Ratio	100	Lower	Upper
91	173.9	136.3	204.5





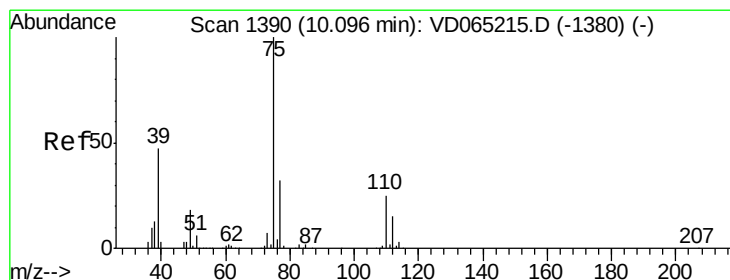
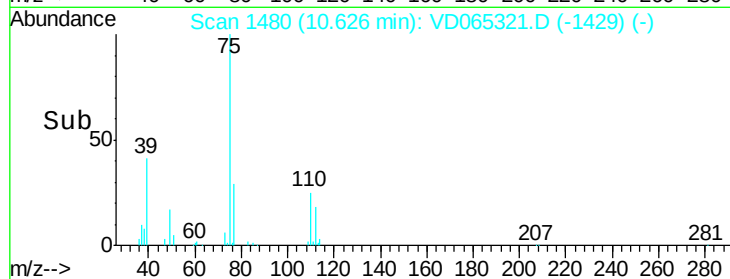
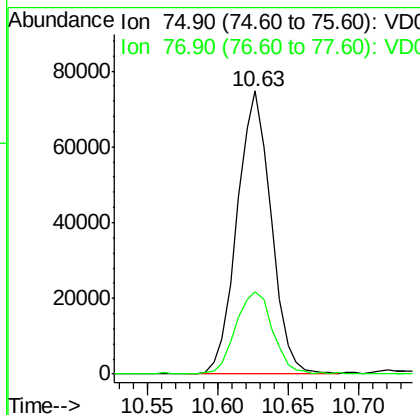
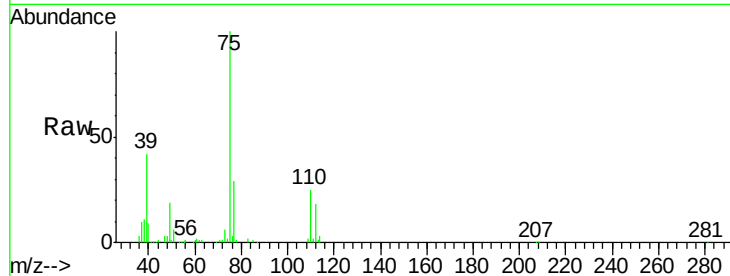
#53
 t-1,3-Dichloropropene
 Concen: 21.013 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.3	26.6	40.0

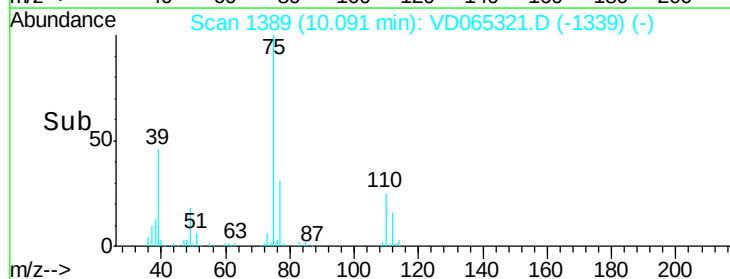
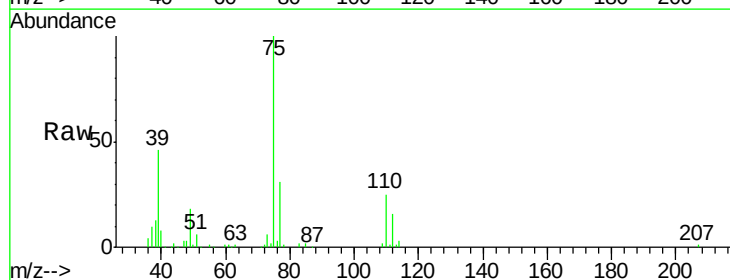
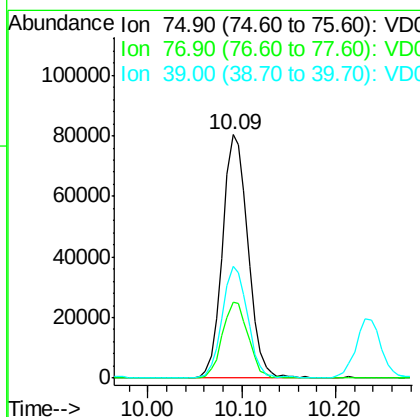
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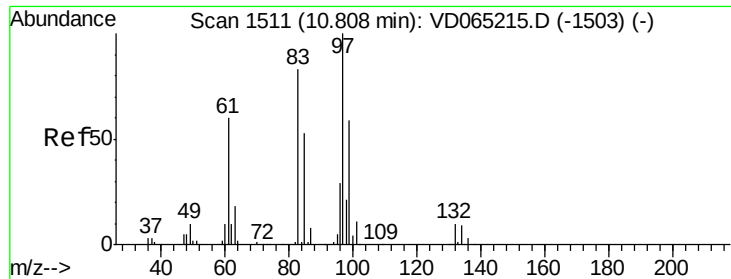
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.864 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.8
39	45.8	37.3	55.9





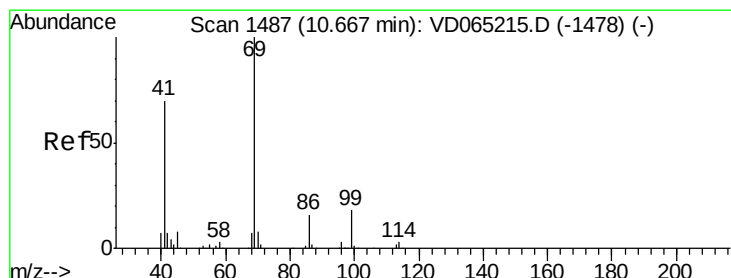
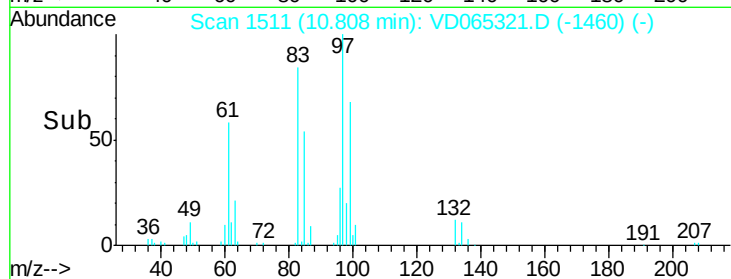
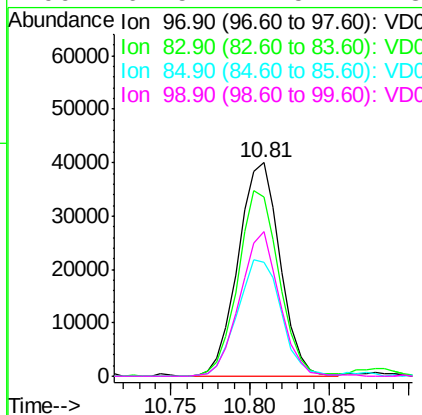
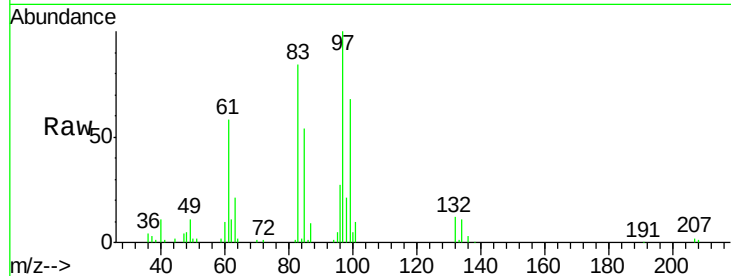
#55
 1,1,2-Trichloroethane
 Concen: 21.181 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.7	100.1
85	53.6	42.4	63.6
99	67.5	47.5	71.3

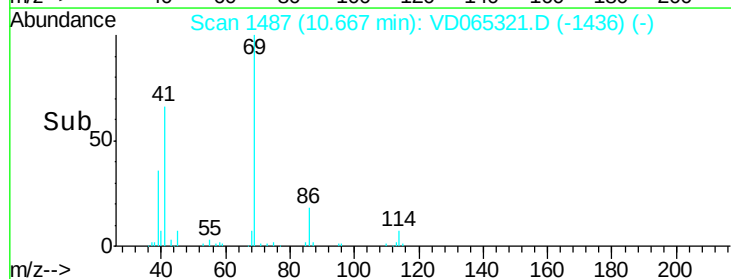
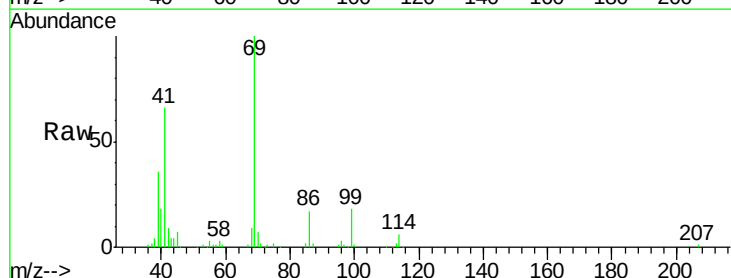
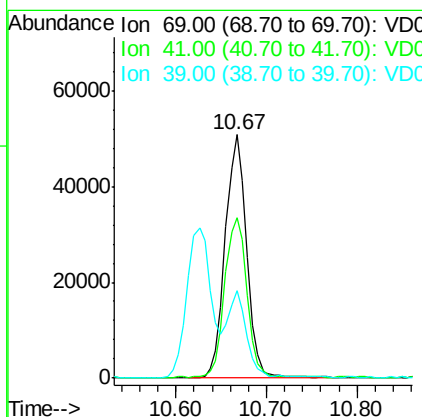
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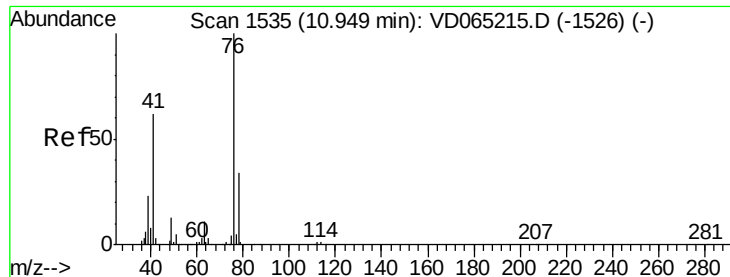
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#56
 Ethyl methacrylate
 Concen: 20.961 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.6	54.6	81.8
39	31.1	26.5	39.7





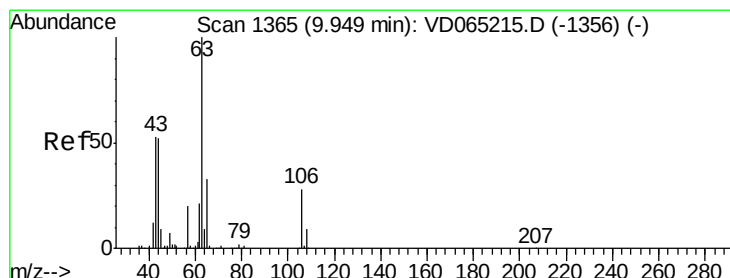
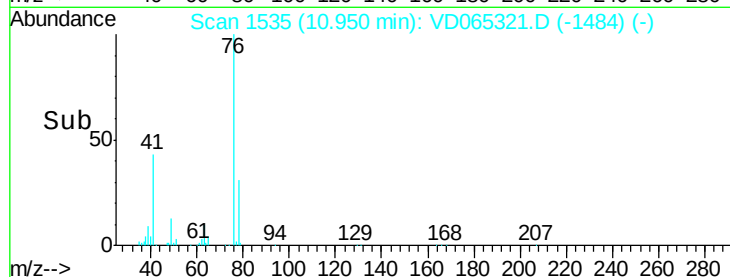
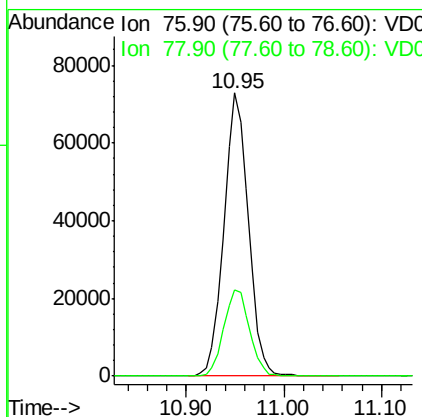
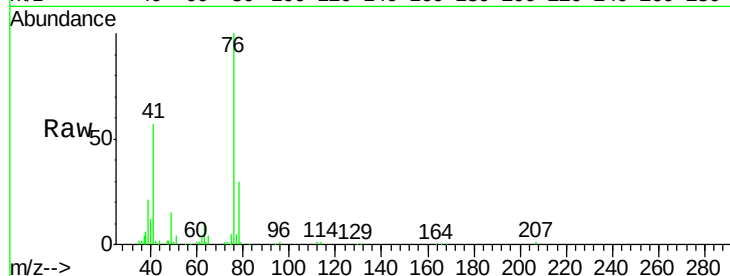
#57
 1,3-Dichloropropane
 Concen: 21.459 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5

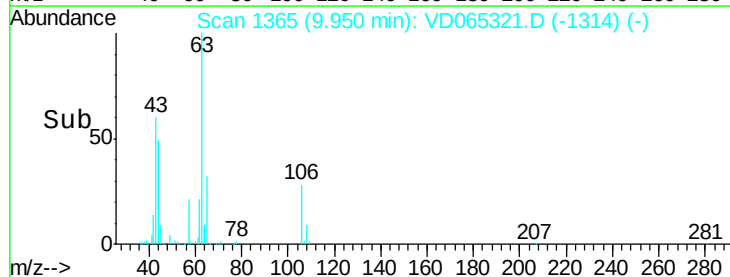
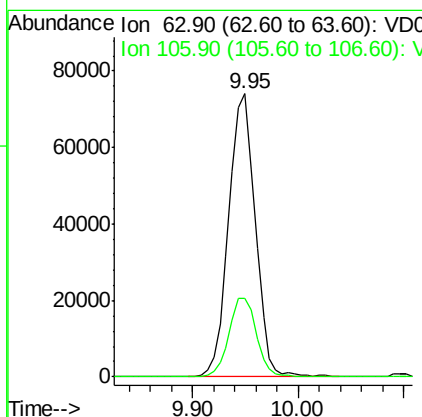
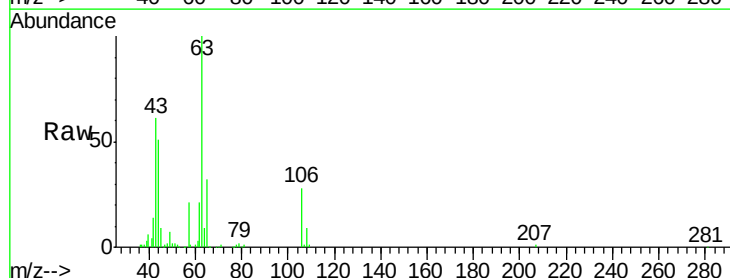
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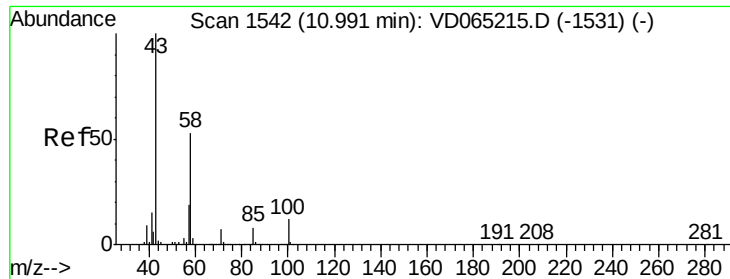
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#58
 2-Chloroethyl Vinyl ether
 Concen: 102.519 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.8	34.2





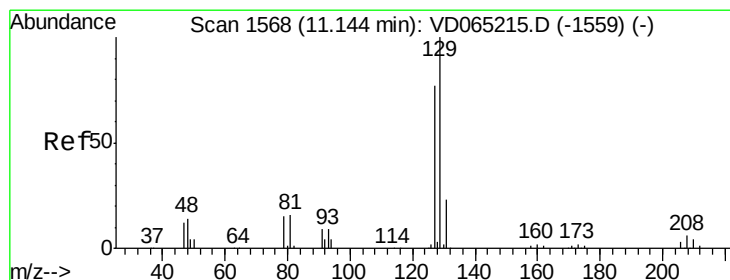
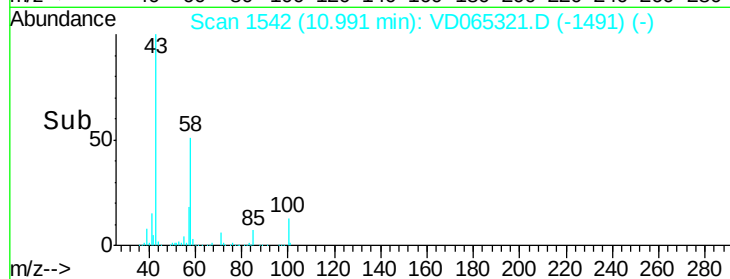
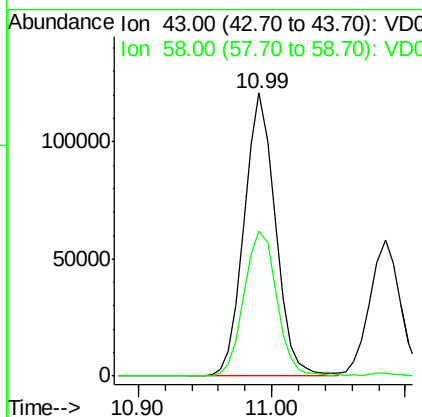
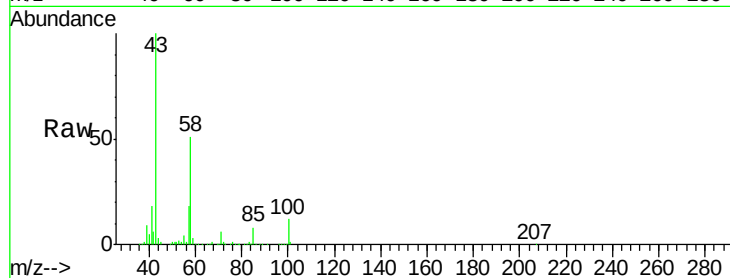
#59
2-Hexanone
Concen: 104.110 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBSD01

Tot Ion	43	Resp	196149
Ion Ratio	100	Lower	Upper
43	100		
58	53.4	26.3	78.8

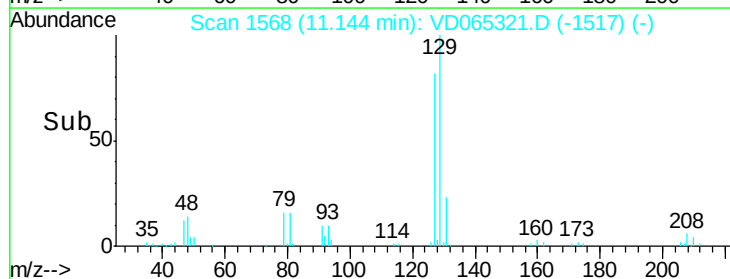
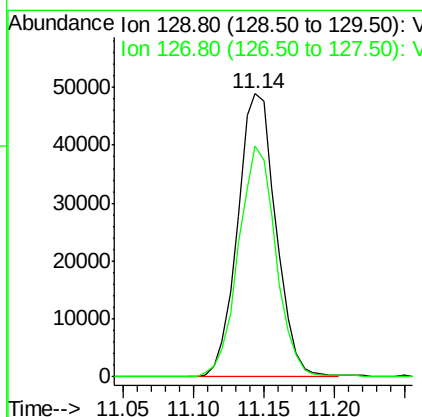
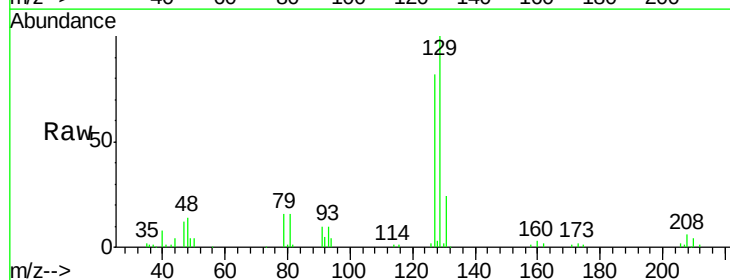
Manual Integrations
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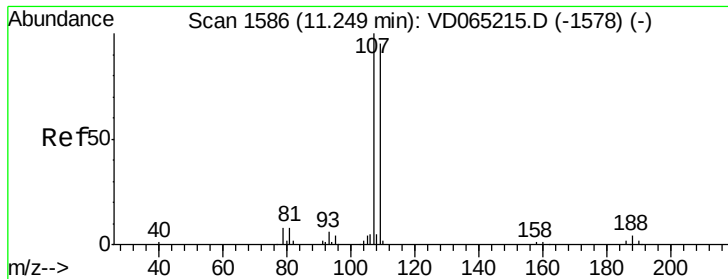
MMDadoda
2/27/2020 11:39:24 AM



#60
Dibromochloromethane
Concen: 20.947 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	129	Resp	92892	
Ion Ratio	129	100	Lower	Upper
127	79.8	38.7	116.1	





#61

1,2-Dibromoethane

Concen: 21.552 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 107 Resp: 70699

Ion Ratio Lower Upper

107 100

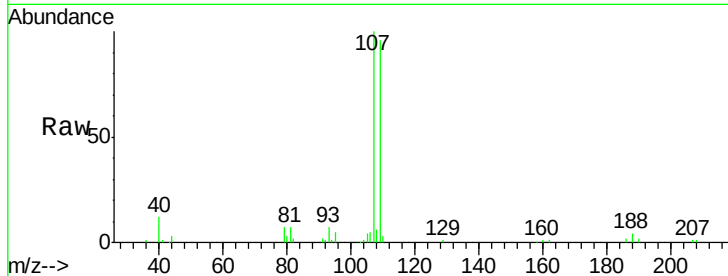
109 93.9 76.2 114.4

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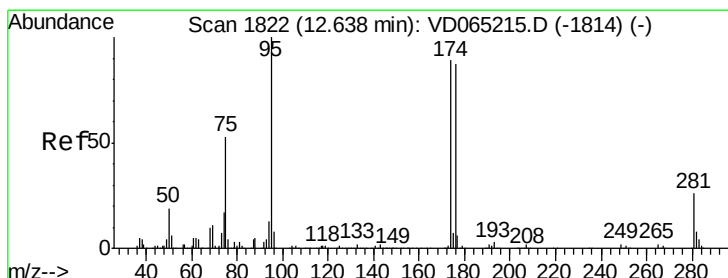
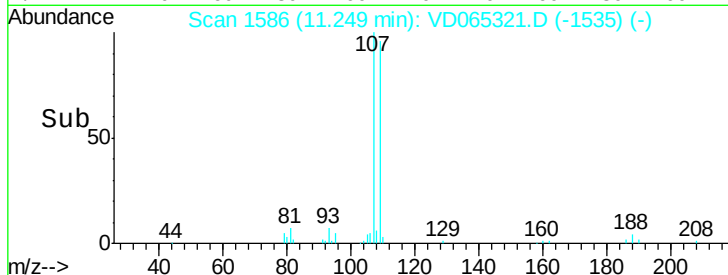
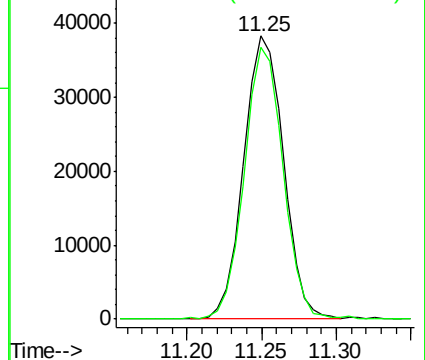
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 57.463 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

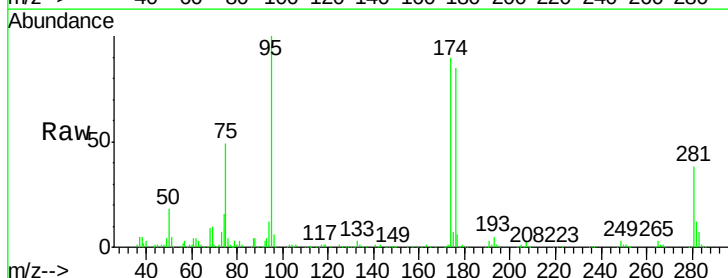
Tgt Ion: 95 Resp: 297264

Ion Ratio Lower Upper

95 100

174 88.2 0.0 178.0

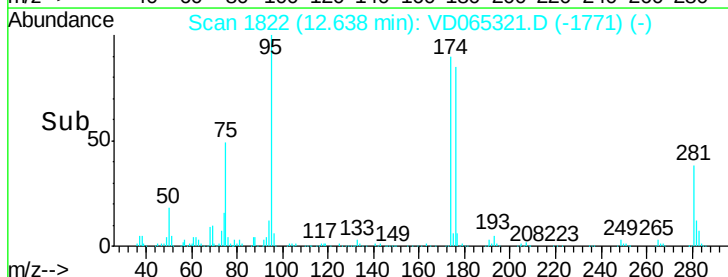
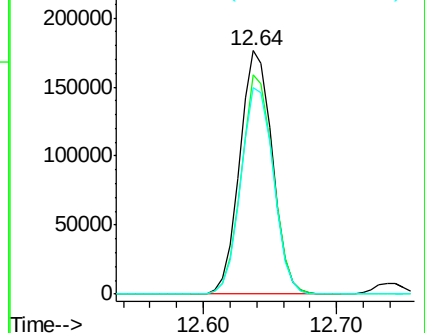
176 84.9 0.0 174.4

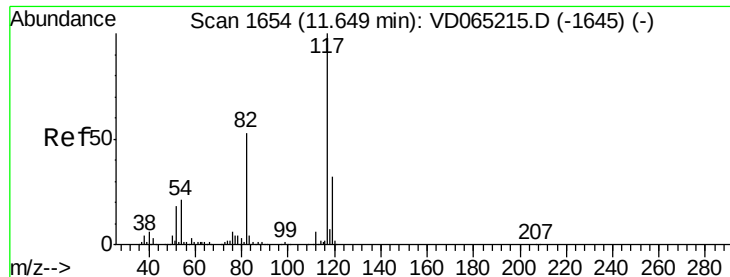


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





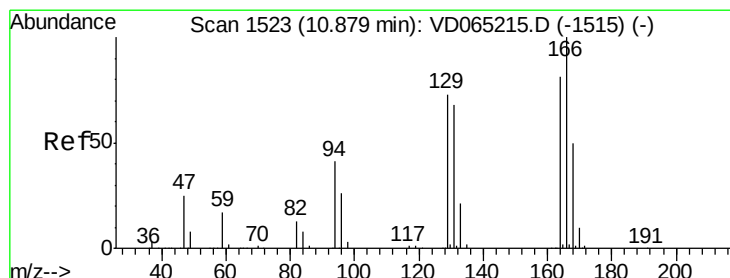
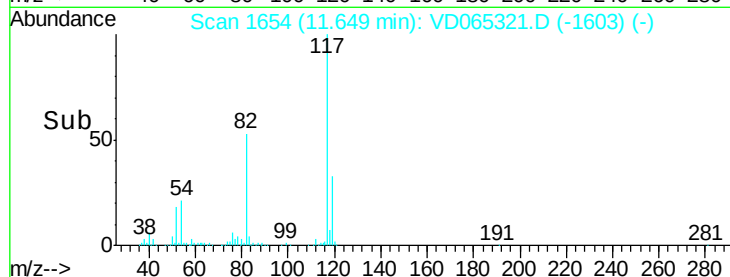
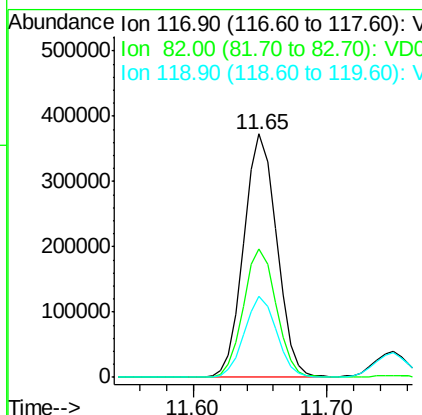
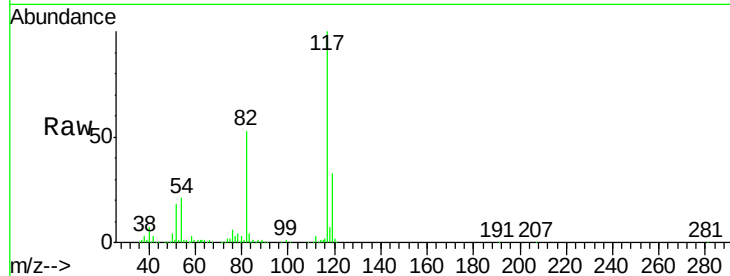
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.7	64.1
119	33.1	25.5	38.3

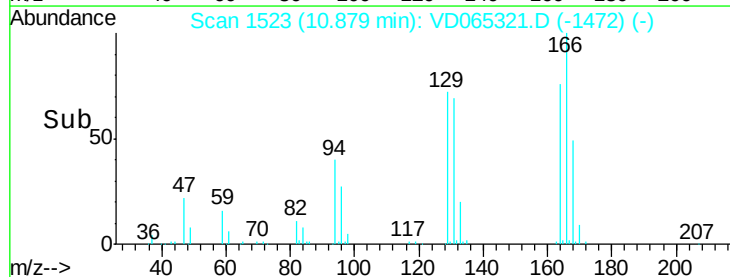
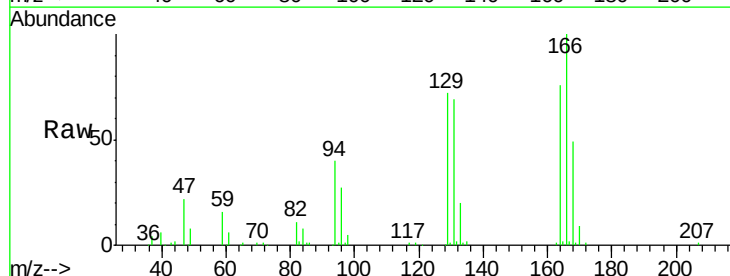
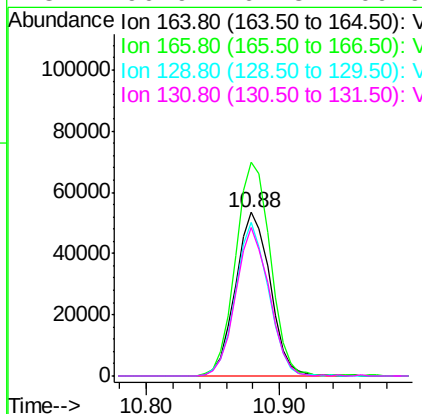
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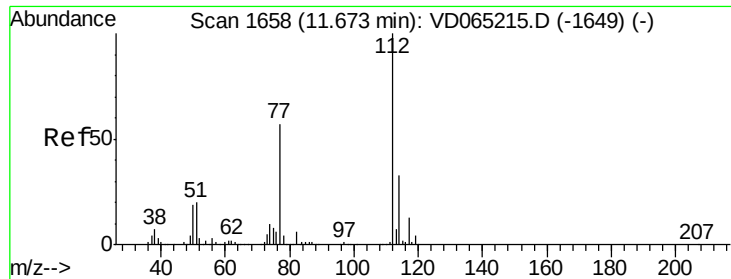
MMDadoda
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#64
Tetrachloroethene
Concen: 21.316 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	98.4	147.6
129	94.4	71.6	107.4
131	90.9	67.3	100.9





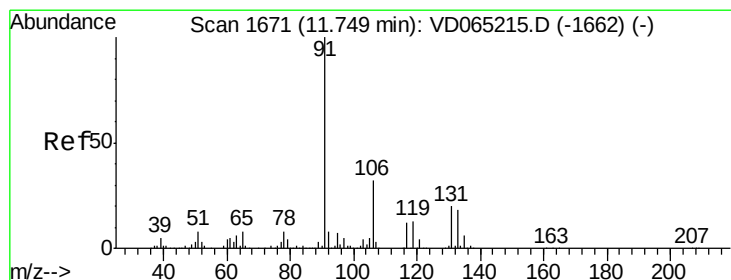
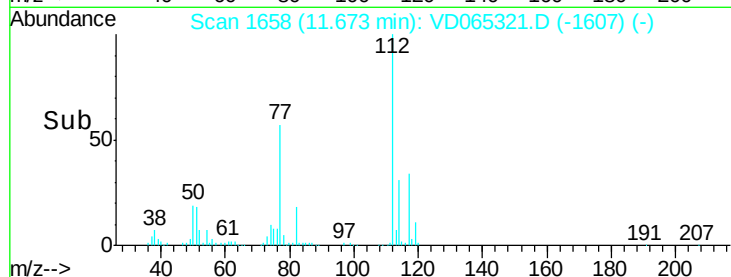
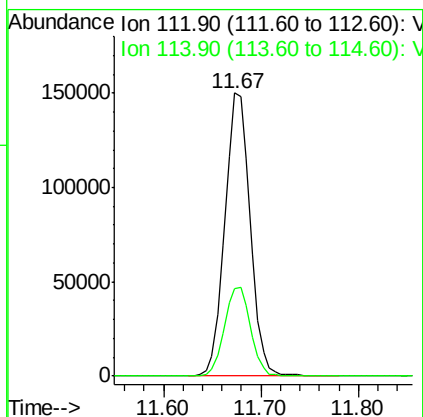
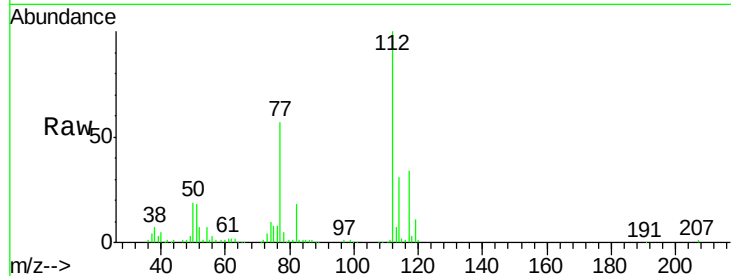
#65
Chlorobenzene
Concen: 21.054 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.4	39.6

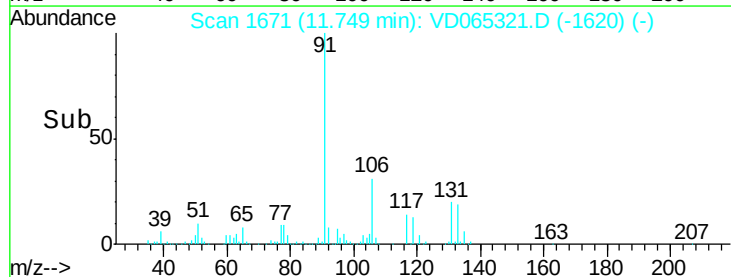
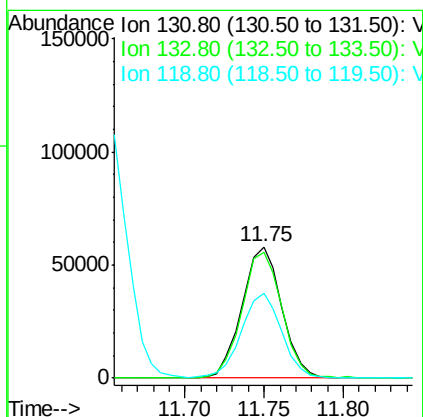
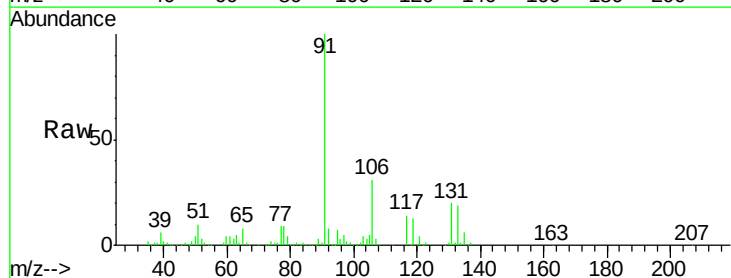
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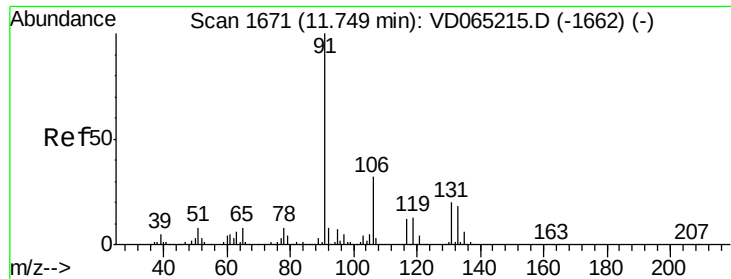
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.289 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.7	143.1
119	64.5	32.7	98.1





#67

Ethyl Benzene

Concen: 20.836 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 91 Resp: 466931

Ion Ratio Lower Upper

91 100

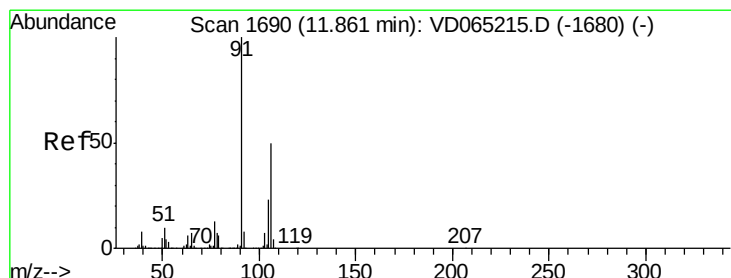
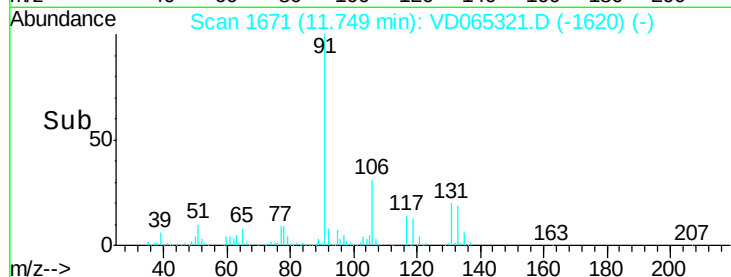
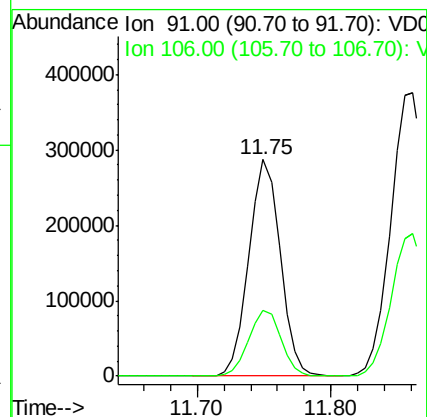
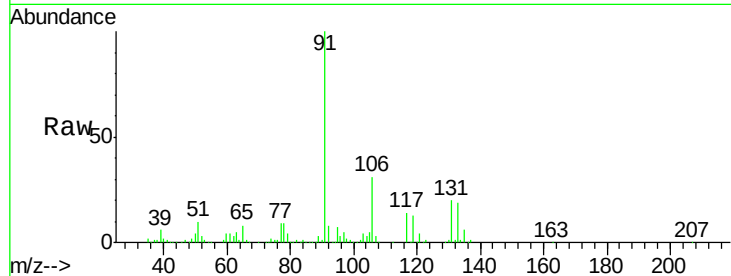
106 30.6 25.2 37.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.583 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065321.D

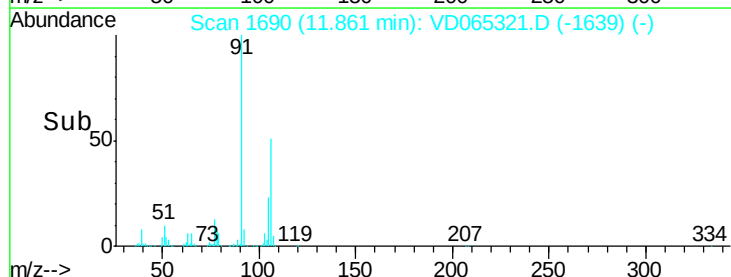
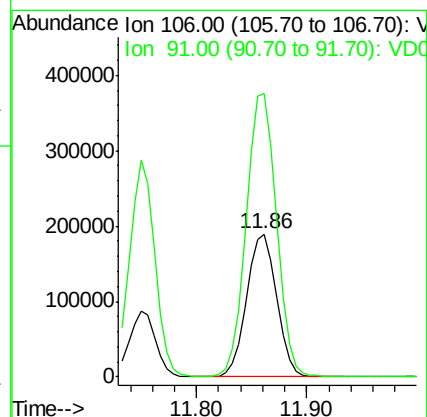
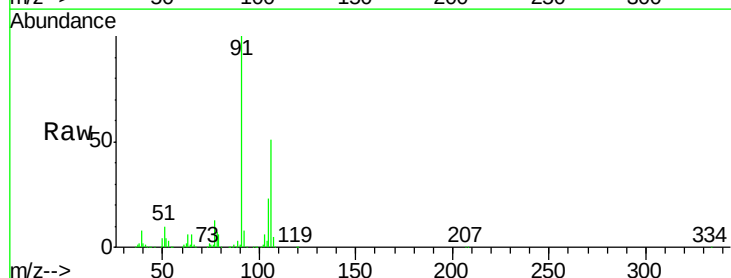
Acq: 26 Feb 2020 11:57

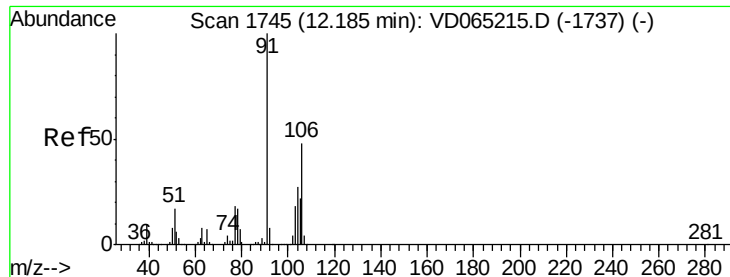
Tgt Ion: 106 Resp: 365097

Ion Ratio Lower Upper

106 100

91 199.2 158.2 237.4





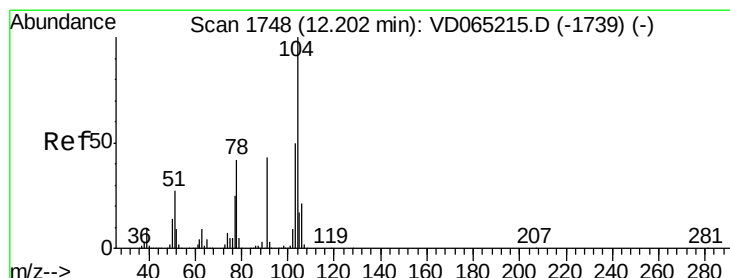
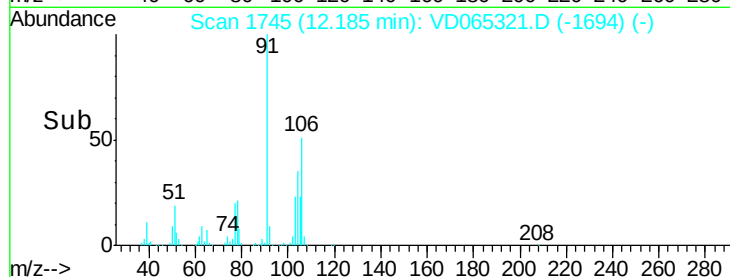
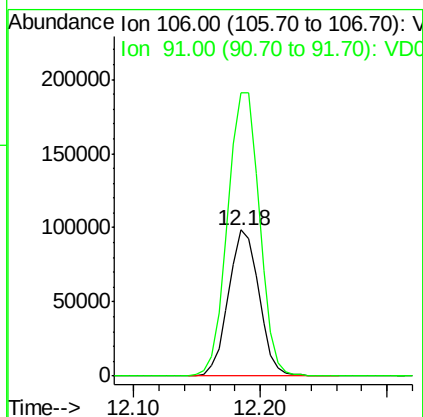
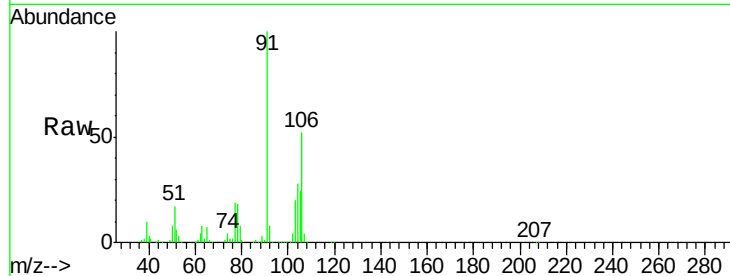
#69
o-Xylene
Concen: 21.625 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.3	104.7	313.9

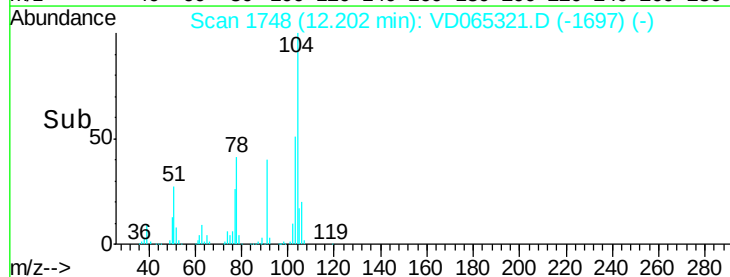
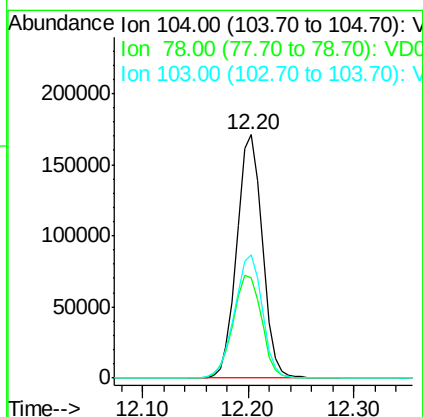
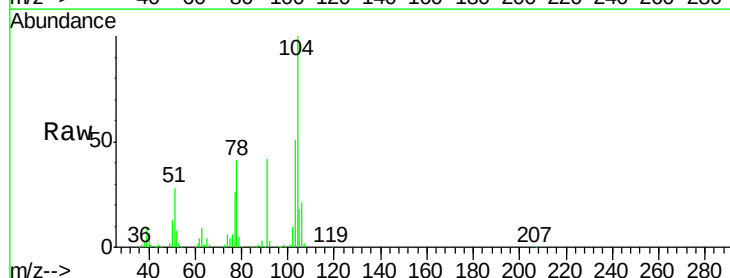
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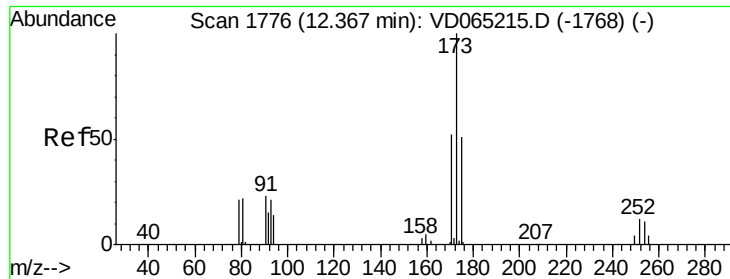
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#70
Styrene
Concen: 21.187 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	37.8	56.6
103	55.0	43.4	65.2





#71

Bromoform

Concen: 21.808 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

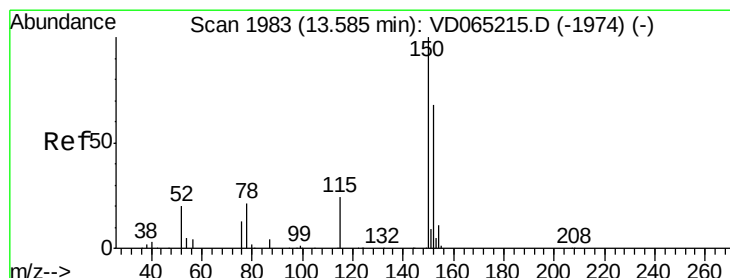
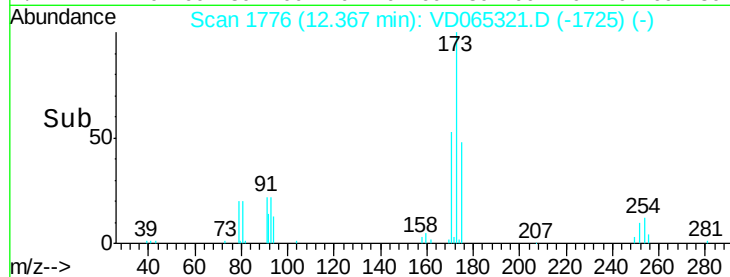
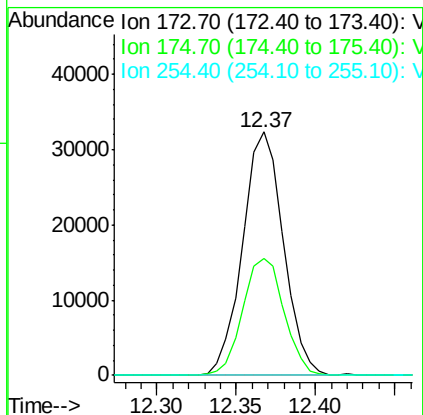
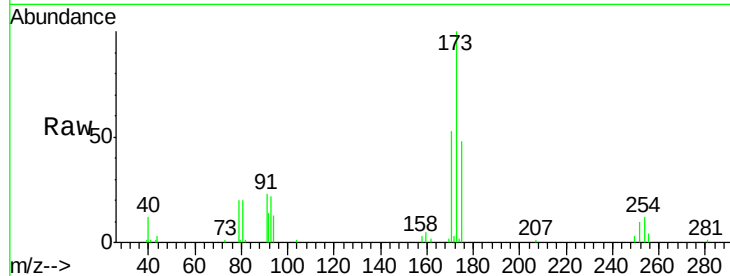
ClientSampleId :

VD0226SBS01

Tot Ion:	173	Resp:	57782
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.4	73.4
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

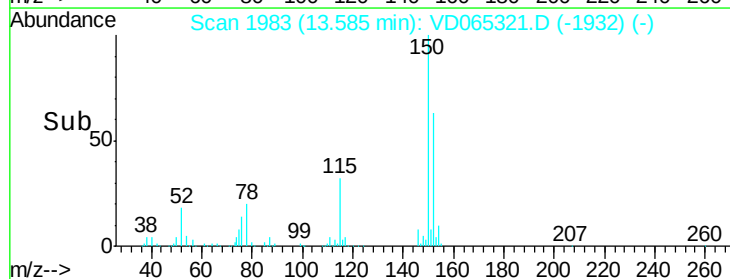
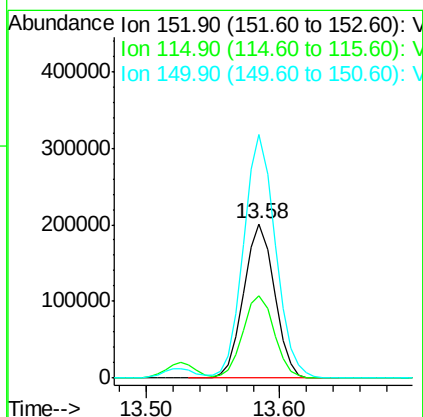
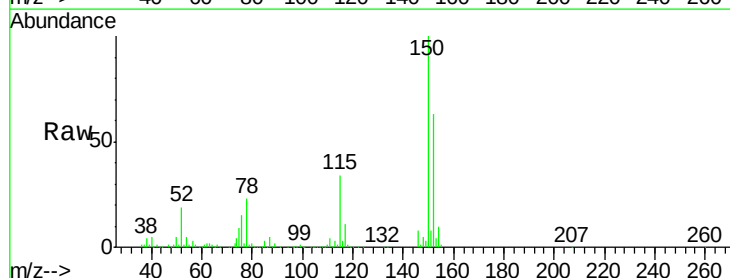
RT: 13.58 min Scan# 1983

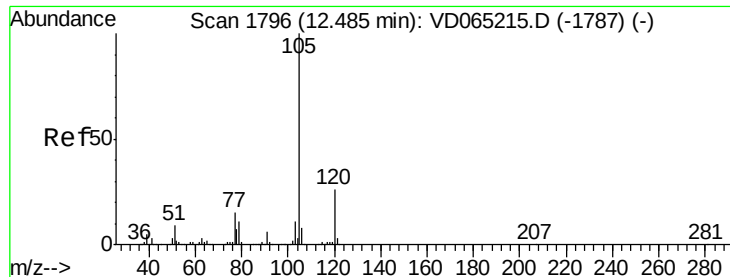
Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Tgt Ion:	152	Resp:	319948
Ion Ratio	Lower	Upper	
152	100		
115	55.1	27.6	82.8
150	163.6	0.0	347.4





#73

Isopropylbenzene

Concen: 20.905 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 105 Resp: 442821

Ion Ratio Lower Upper

105 100

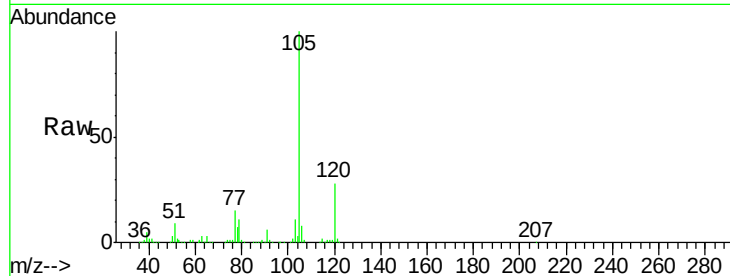
120 26.8 13.3 39.9

Manual Integrations

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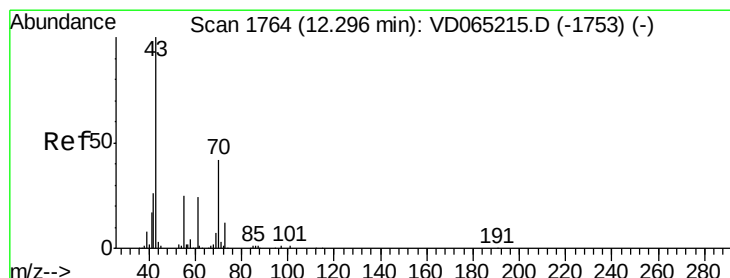
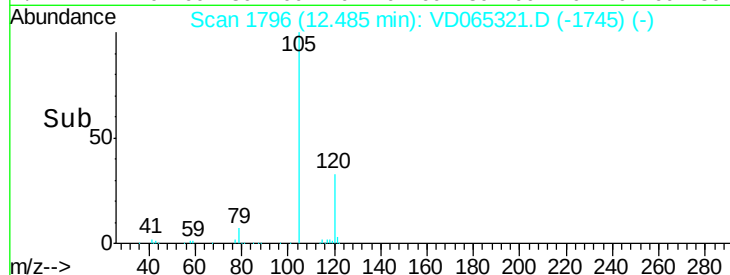
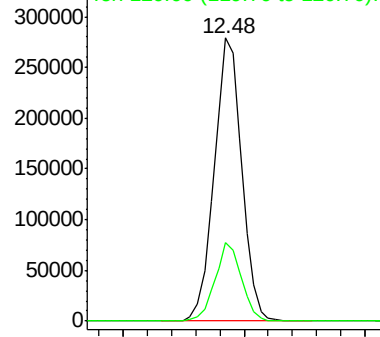
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.297 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Tgt Ion: 43 Resp: 95535

Ion Ratio Lower Upper

43 100

70 44.2 33.7 50.5

55 28.7 20.7 31.1

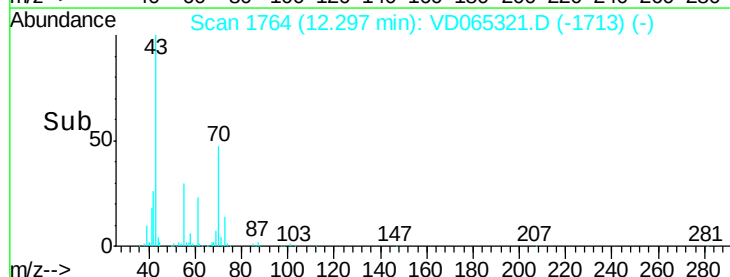
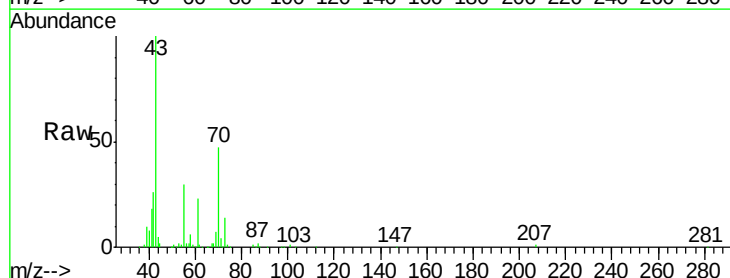
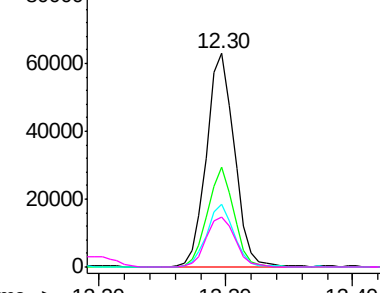
61 24.2 19.0 28.4

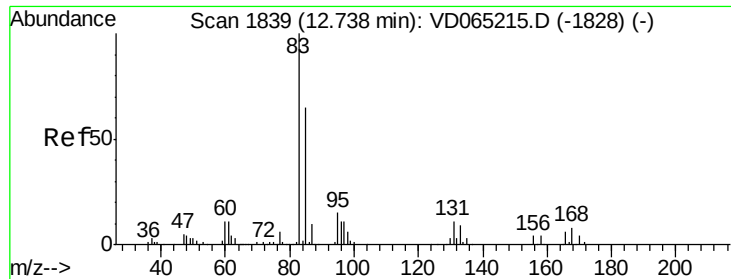
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.267 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

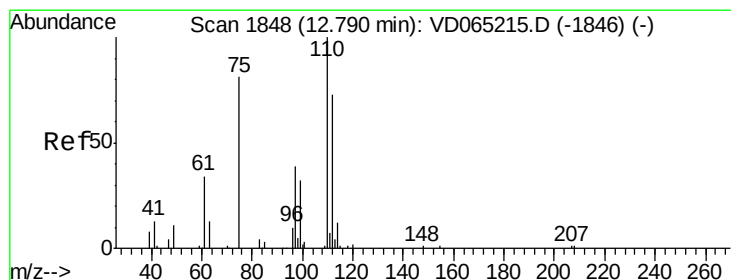
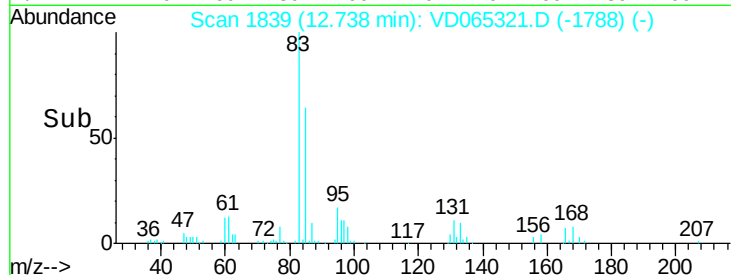
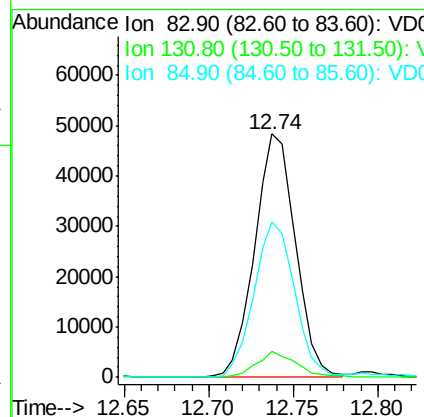
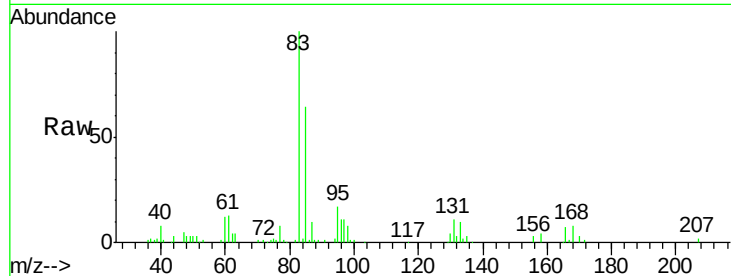
ClientSampleId :

VD0226SBS01

Tot Ion:	83	Resp:	81303
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.4	16.2
85	64.0	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 20.238 ug/l m

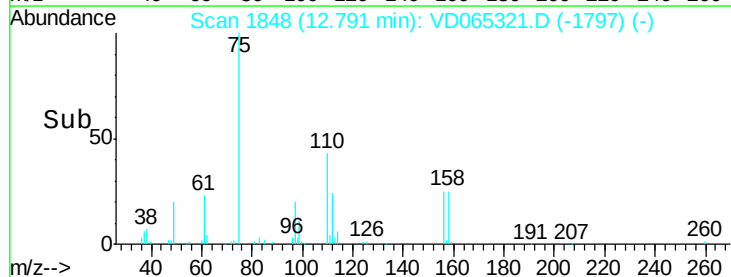
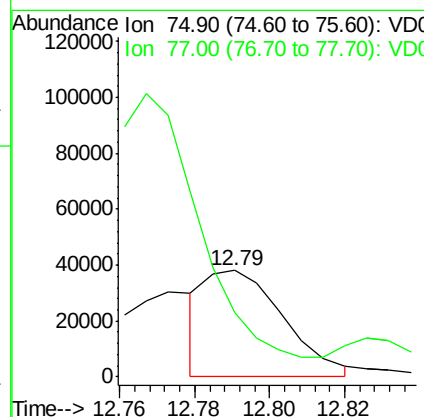
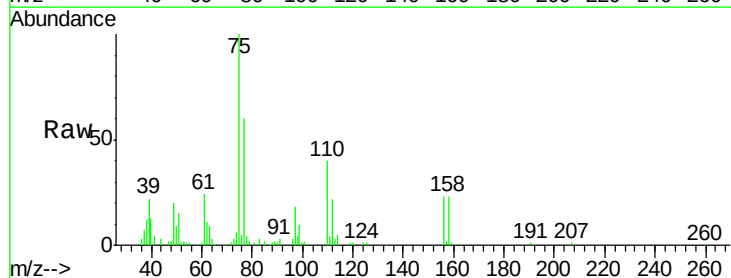
RT: 12.79 min Scan# 1848

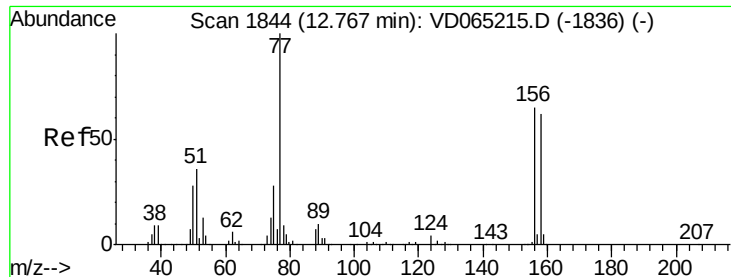
Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Tgt Ion:	75	Resp:	55091
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.321 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

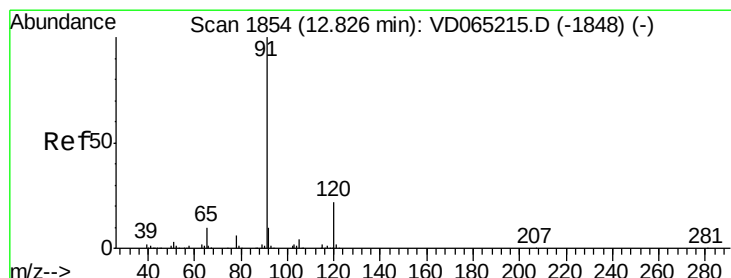
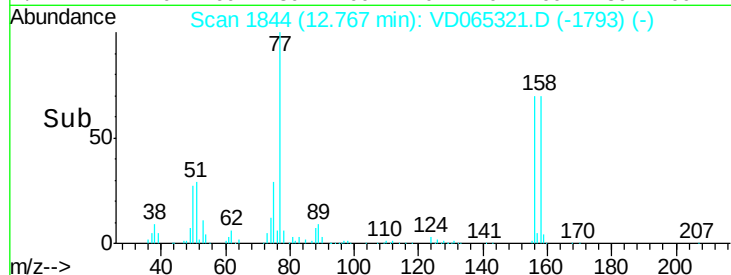
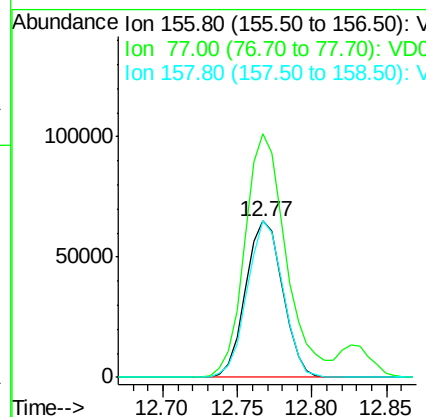
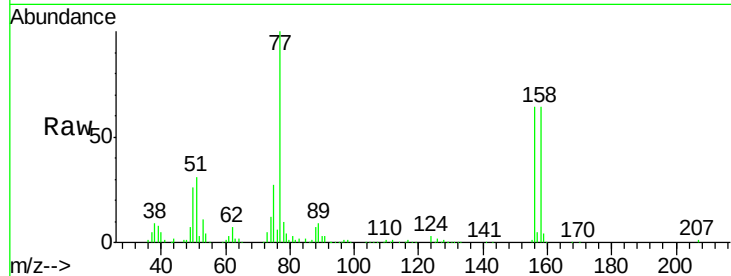
ClientSampleId :

VD0226SBSD01

Tot Ion:	156	Resp:	112144
Ion Ratio	Lower	Upper	
156	100		
77	171.4	86.6	259.7
158	96.5	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 21.306 ug/l

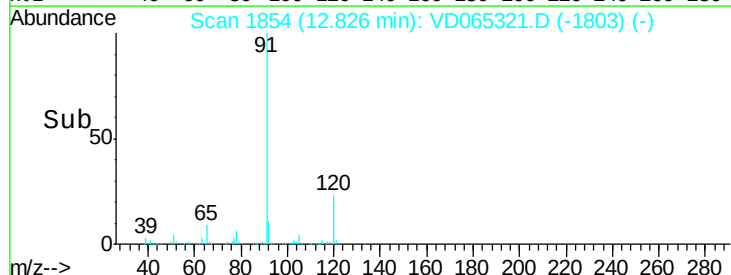
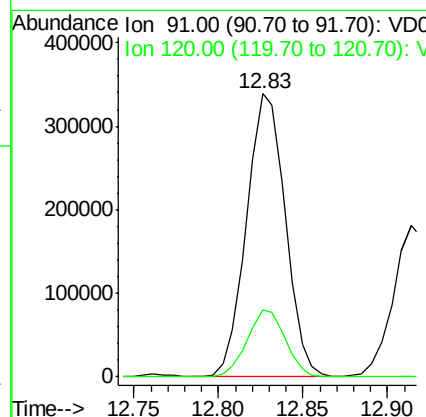
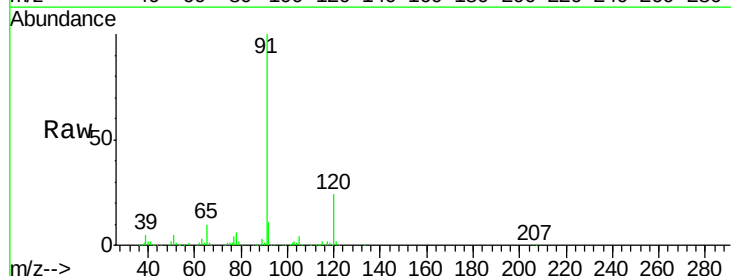
RT: 12.83 min Scan# 1854

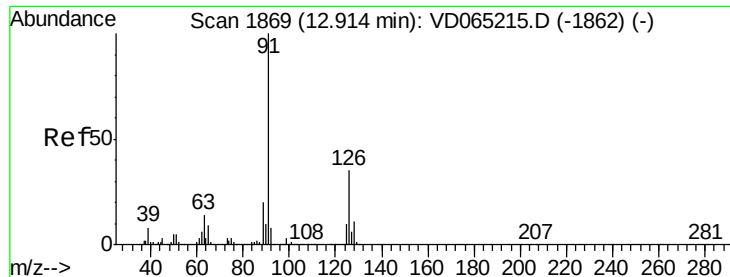
Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Tgt Ion:	91	Resp:	542352
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.970 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion: 91 Resp: 299028

Ion Ratio Lower Upper

91 100

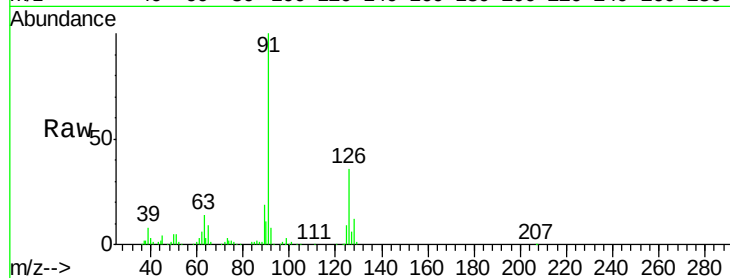
126 35.7 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VD065321.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065321.D (-1862) (-)

300000

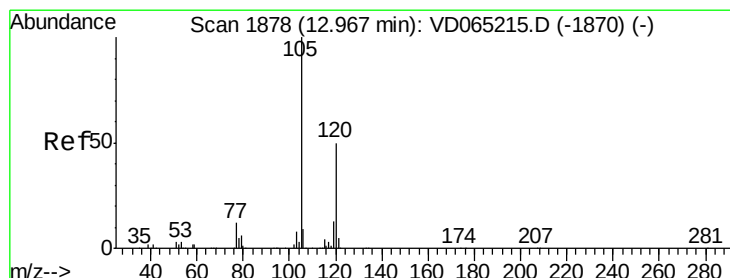
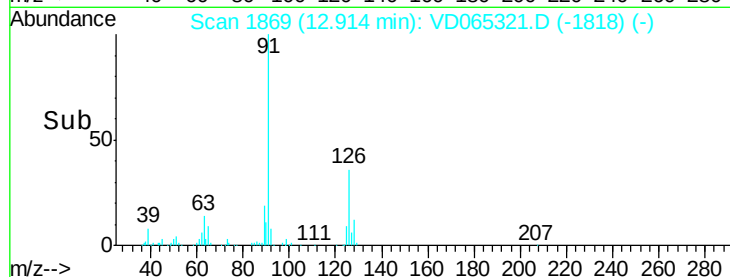
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.413 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065321.D

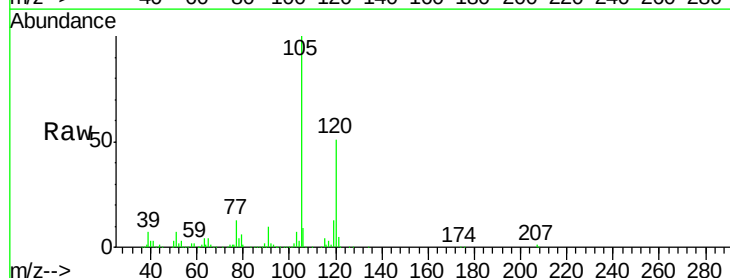
Acq: 26 Feb 2020 11:57

Tgt Ion: 105 Resp: 373582

Ion Ratio Lower Upper

105 100

120 50.9 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065321.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065321.D (-1870) (-)

250000

200000

150000

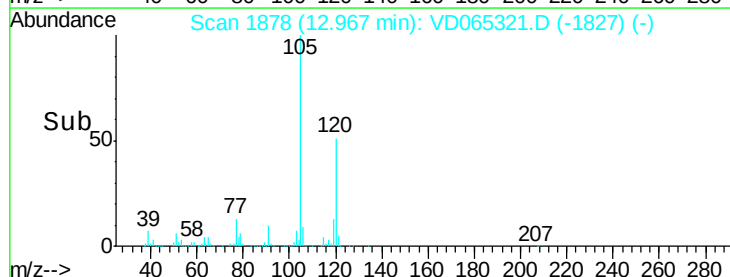
100000

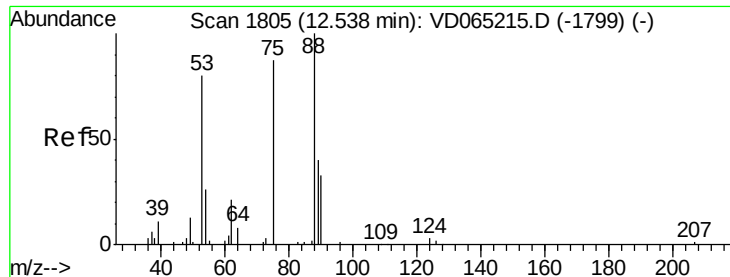
50000

0

12.90 12.97 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.296 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBSD01

Tot Ion: 75 Resp: 25588

Ion Ratio Lower Upper

75 100

53 93.6 77.6 116.4

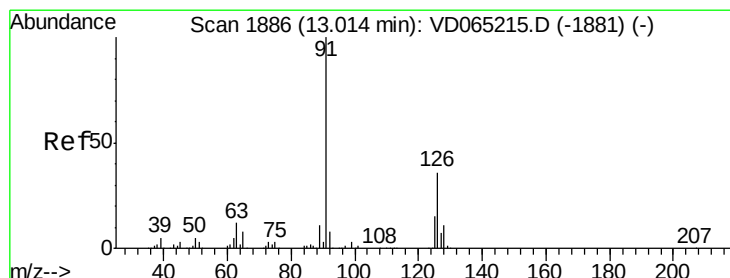
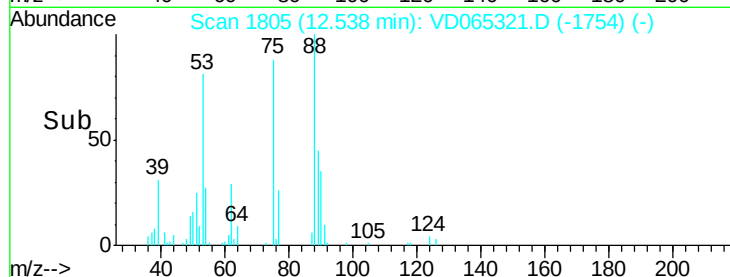
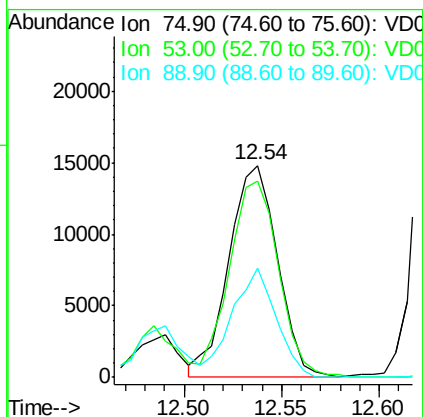
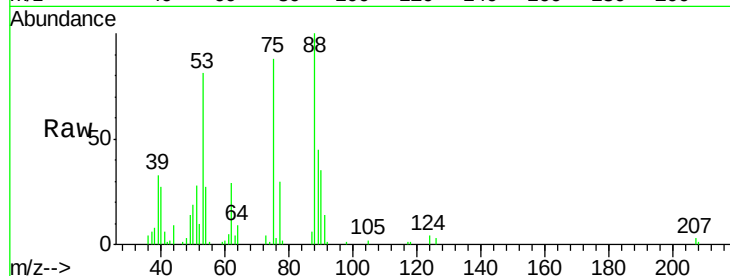
89 46.9 37.2 55.8

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#82

4-Chlorotoluene

Concen: 20.930 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065321.D

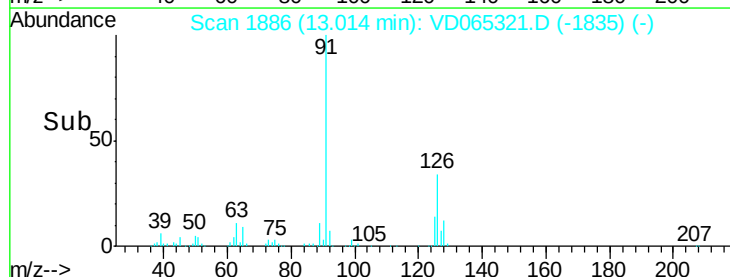
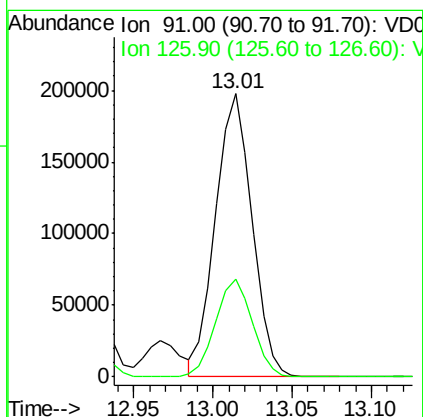
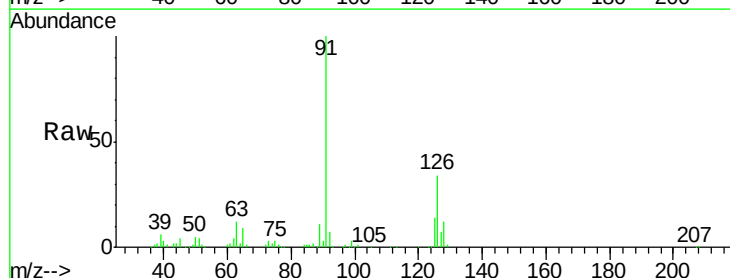
Acq: 26 Feb 2020 11:57

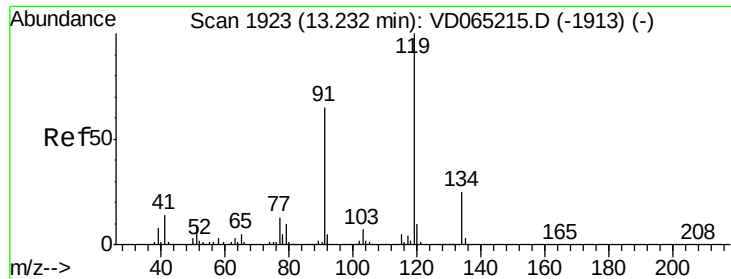
Tgt Ion: 91 Resp: 316862

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.3





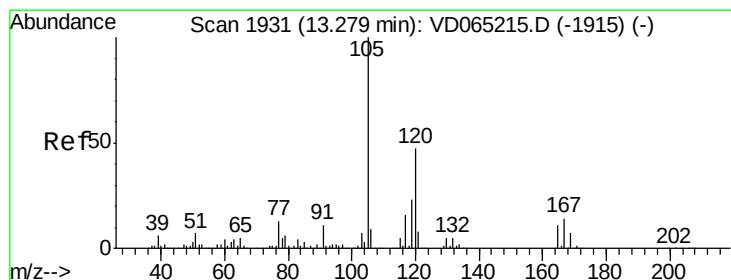
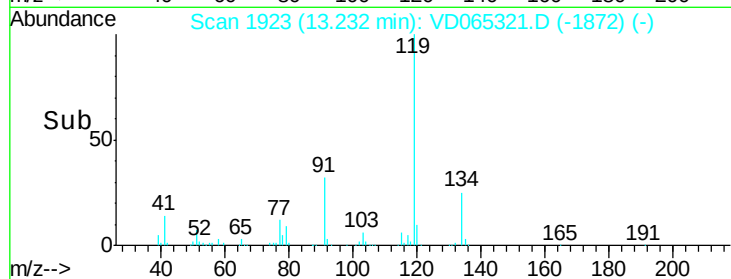
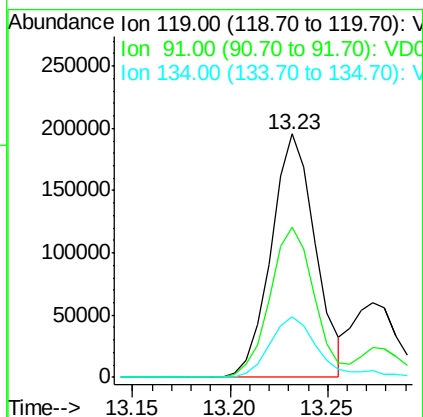
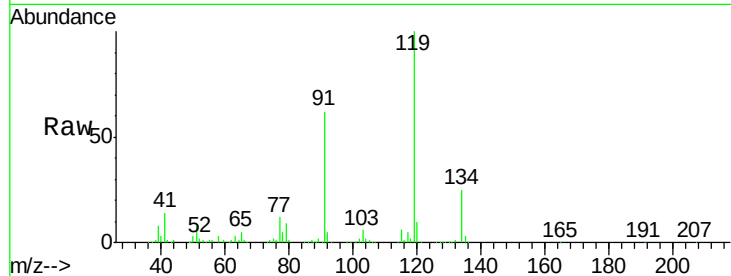
#83
tert-Butylbenzene
Concen: 20.963 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	306521		
91	62.4		31.9	95.5
134	27.6		13.8	41.3

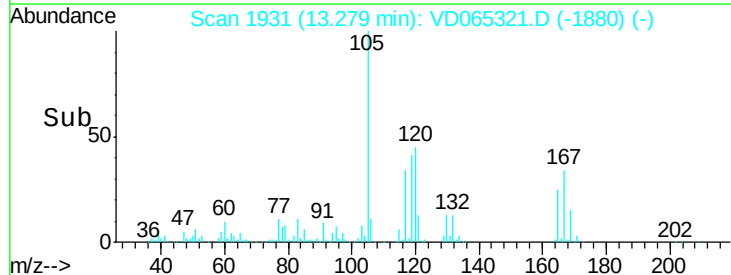
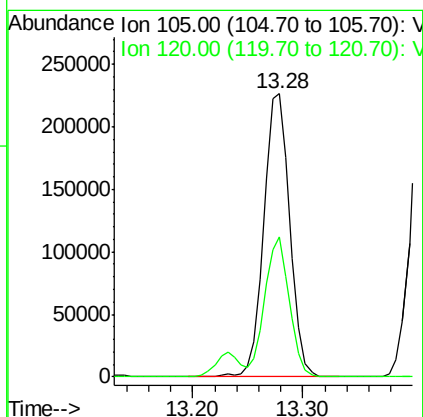
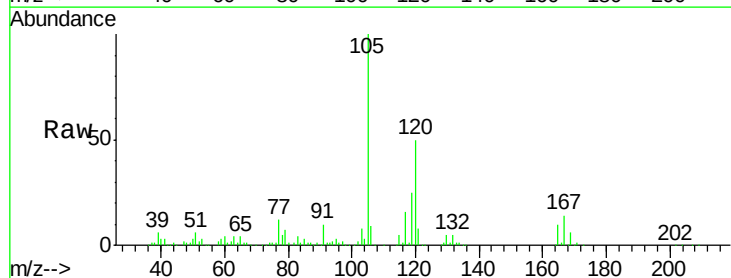
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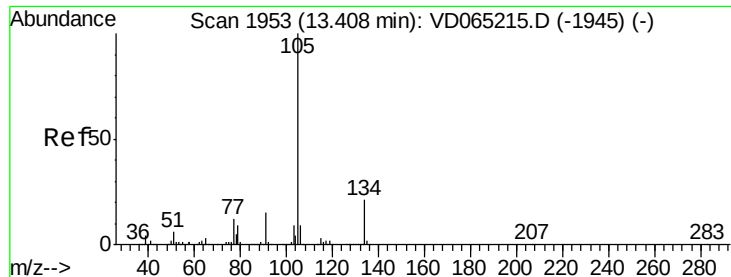
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#84
1,2,4-Trimethylbenzene
Concen: 21.351 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	372842		
120	46.6		23.3	69.9





#85

sec-Butylbenzene

Concen: 20.903 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD0226SBS01

Tot Ion:105 Resp: 440424

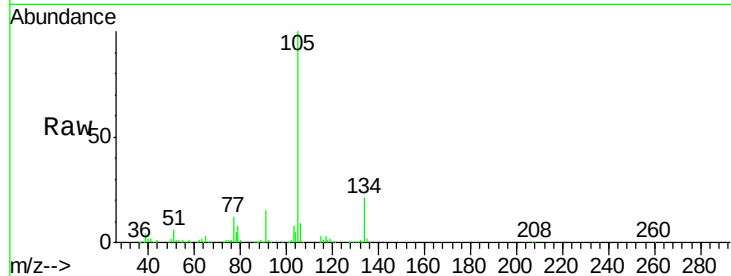
Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.9

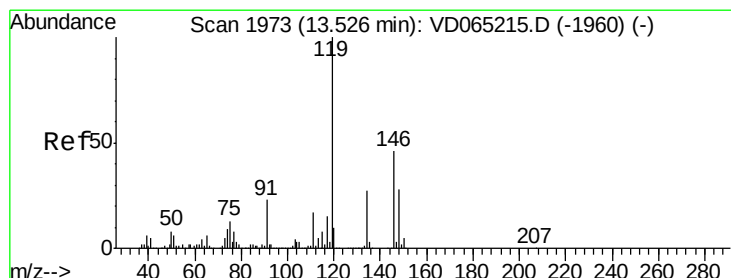
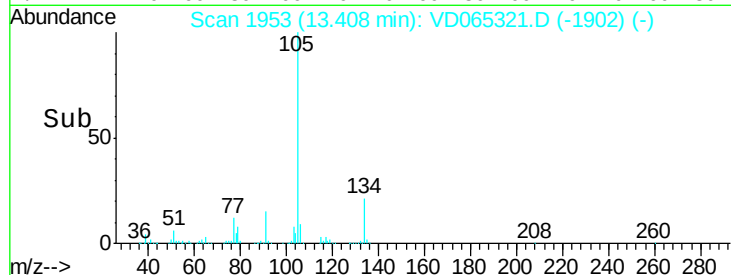
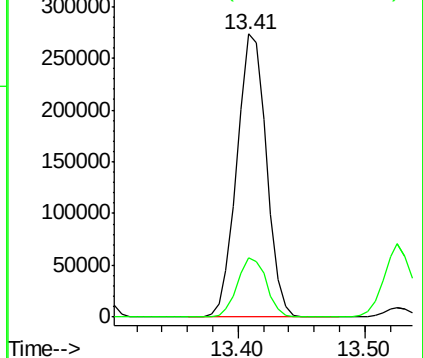
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.276 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

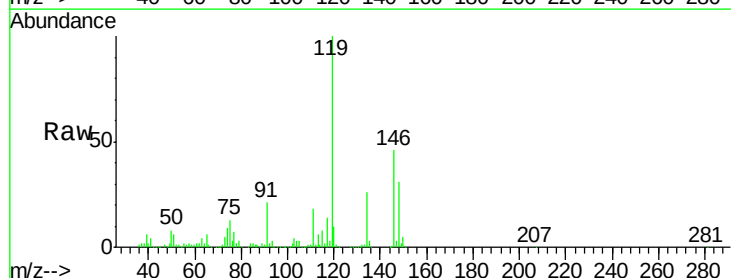
Tgt Ion:119 Resp: 409944

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

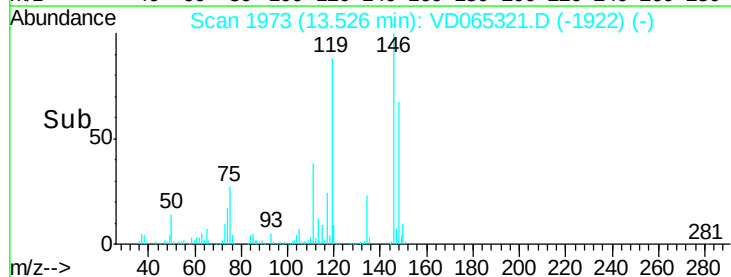
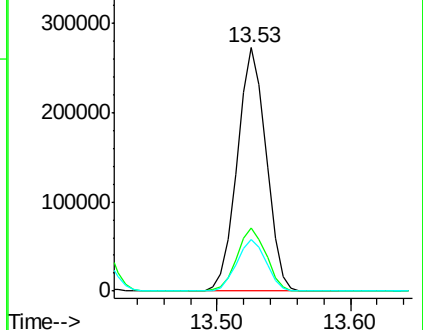
91 21.3 11.1 33.1

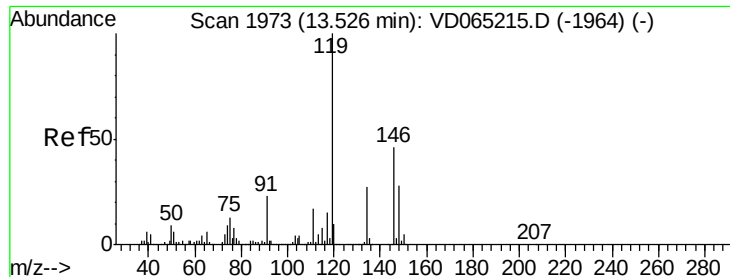


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.473 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Instrument :

MSVOA_D

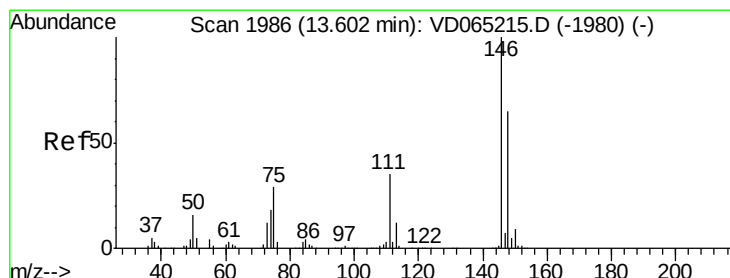
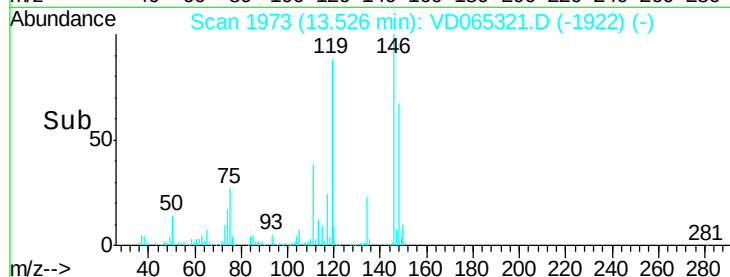
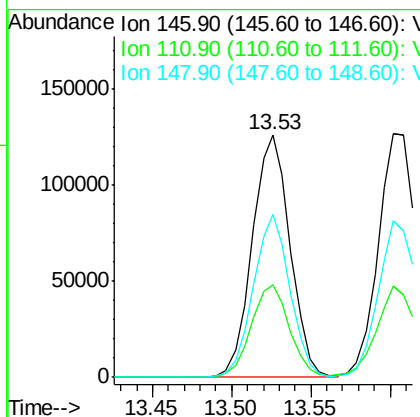
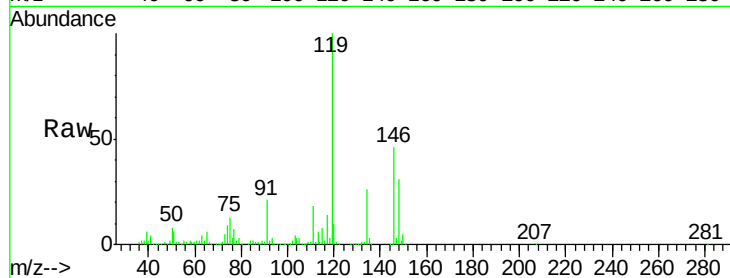
ClientSampleId :

VD0226SBS01

Tot Ion:	146	Resp:	208178
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.6	55.8
148	65.1	31.4	94.3

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#88

1,4-Dichlorobenzene

Concen: 21.193 ug/l

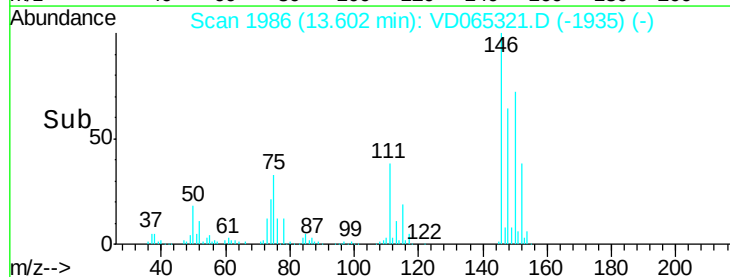
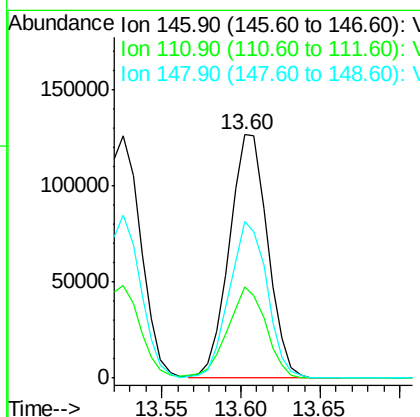
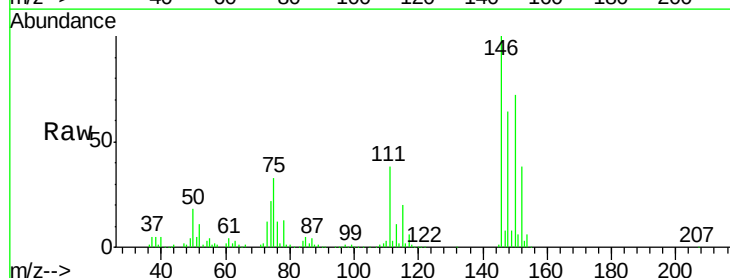
RT: 13.60 min Scan# 1986

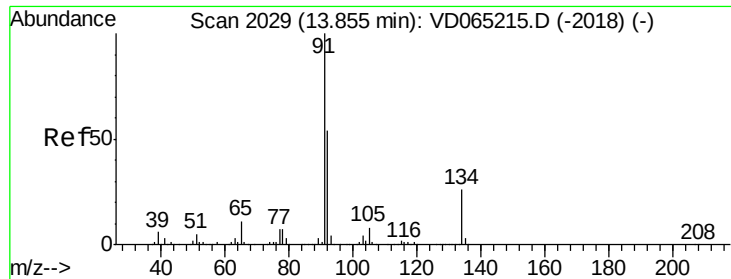
Delta R.T. 0.00 min

Lab File: VD065321.D

Acq: 26 Feb 2020 11:57

Tgt Ion:	146	Resp:	212694
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.4	55.2
148	63.5	32.1	96.5





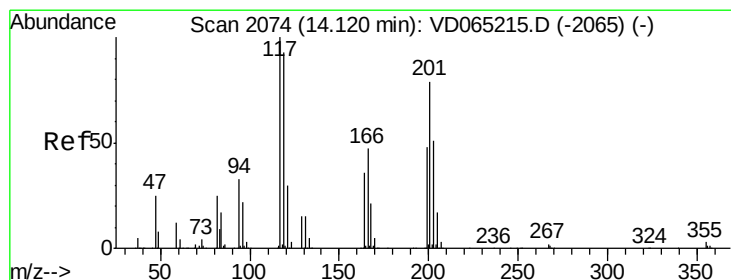
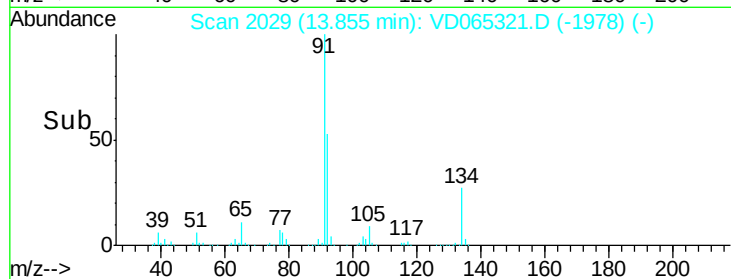
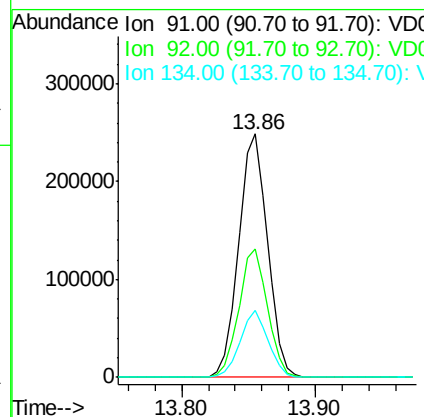
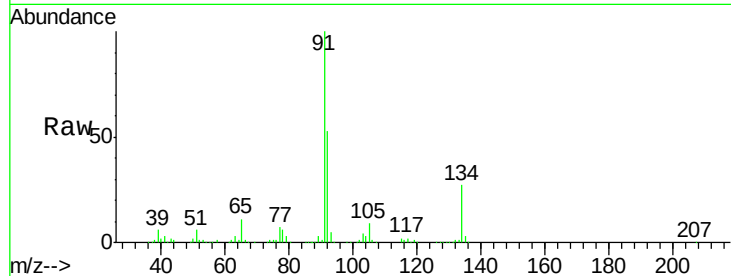
#89
n-Butylbenzene
Concen: 21.037 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.7	27.0	80.8	
134	26.5	13.5	40.4	

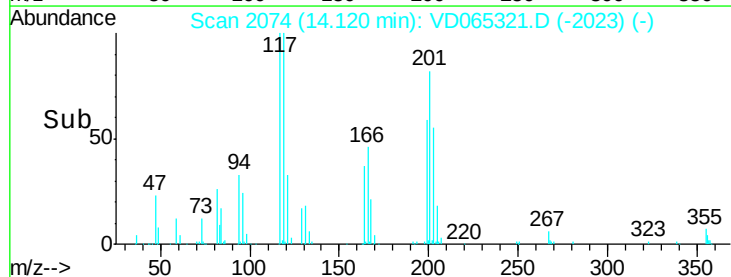
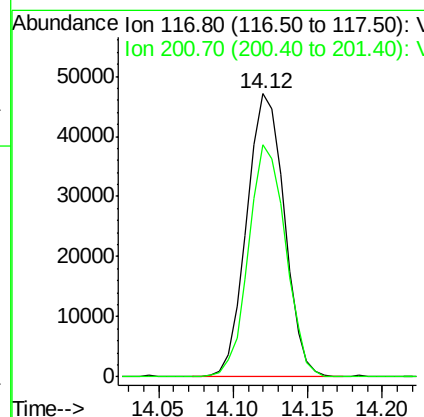
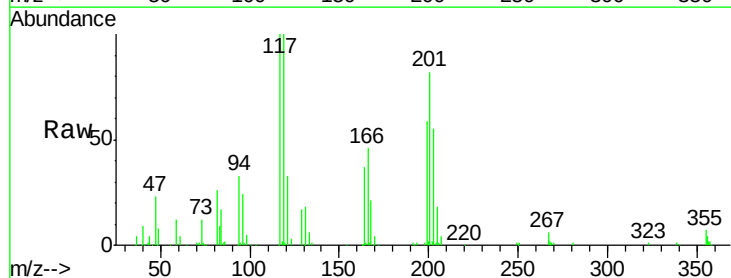
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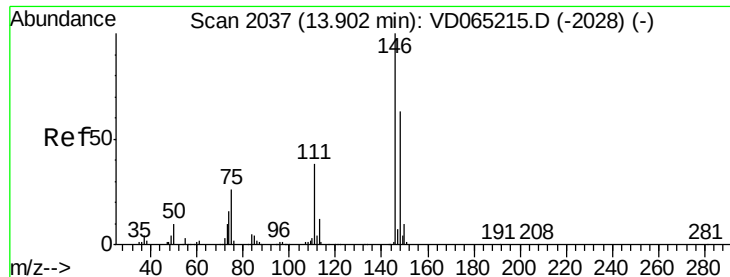
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#90
Hexachloroethane
Concen: 21.002 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	80.7	41.3	124.1	





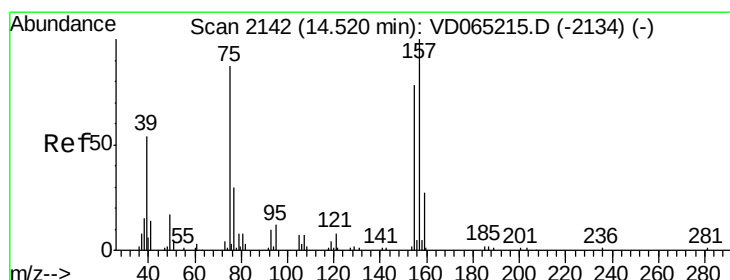
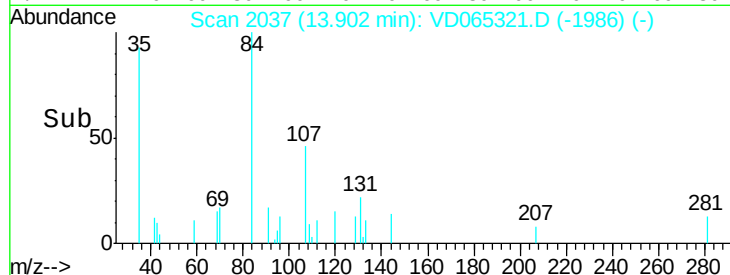
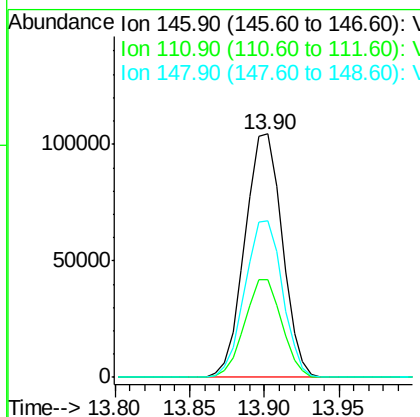
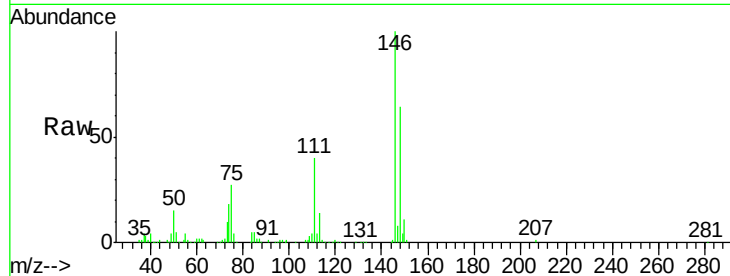
#91
 1,2-Dichlorobenzene
 Concen: 20.752 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181182		
111	39.8	19.7	59.0	
148	64.8	32.0	96.2	

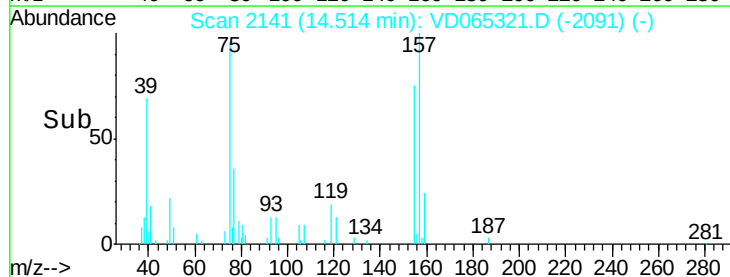
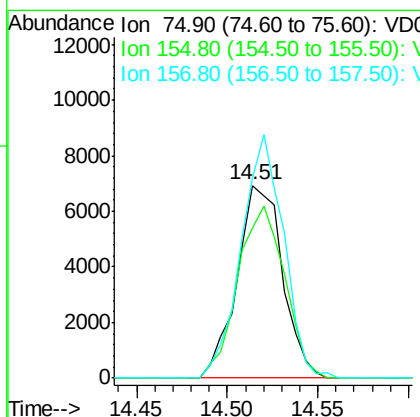
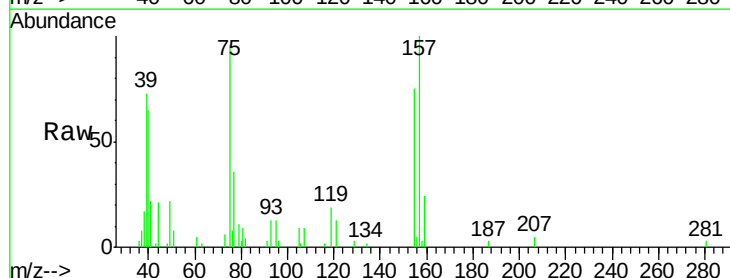
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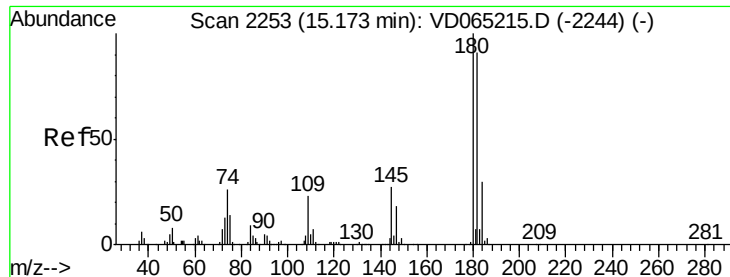
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.520 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12089		
155	92.2	42.3	126.9	
157	117.3	56.7	170.1	





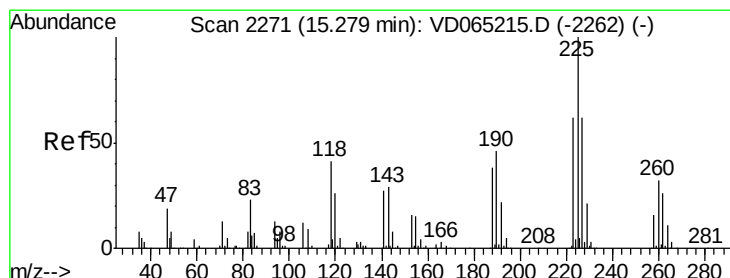
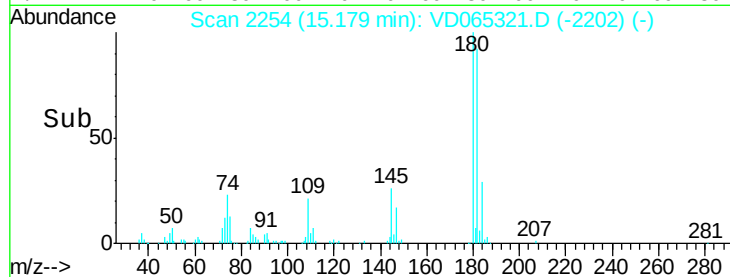
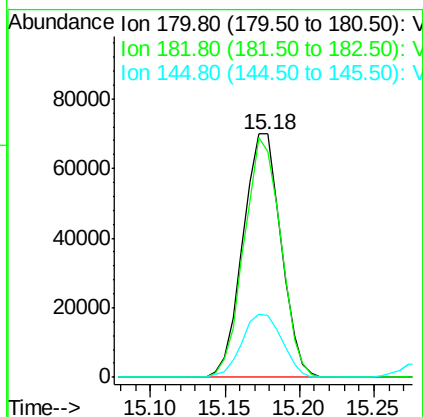
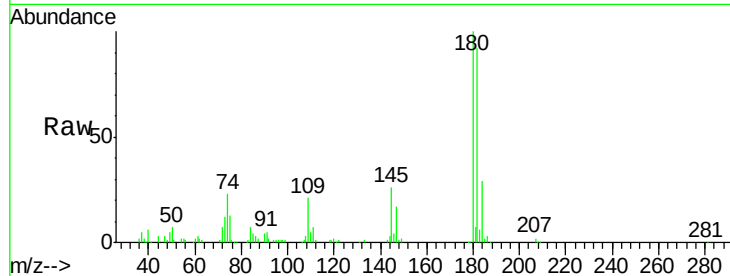
#93
 1,2,4-Trichlorobenzene
 Concen: 21.642 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0226SBS01

Tot Ion:	180	Resp:	123602
Ion Ratio	Lower	Upper	
180	100		
182	94.9	46.9	140.6
145	27.4	13.9	41.7

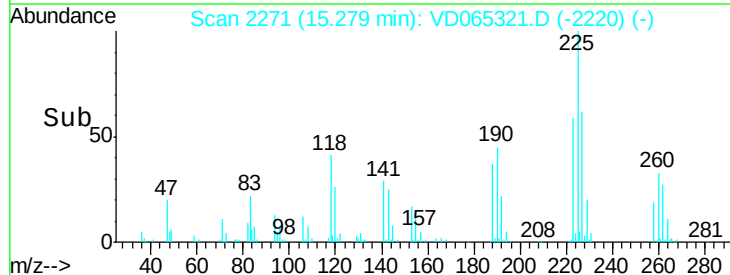
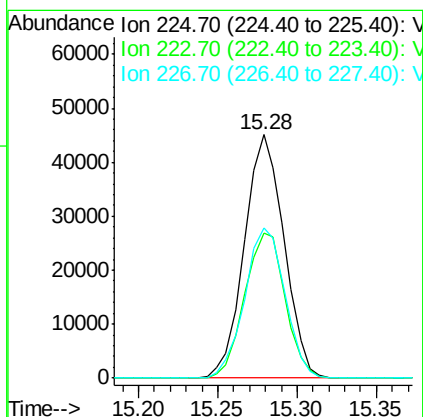
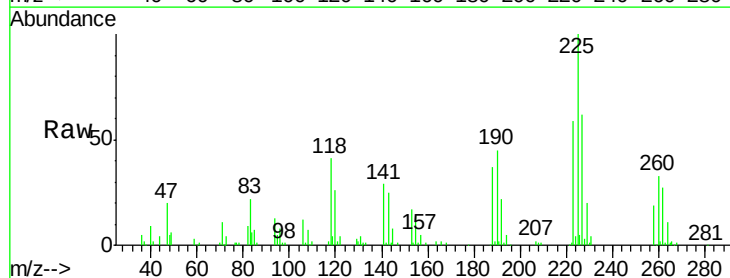
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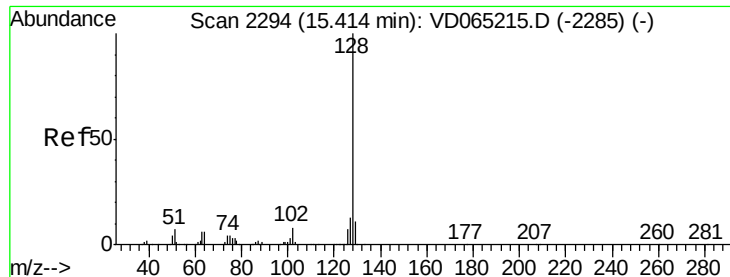
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#94
 Hexachlorobutadiene
 Concen: 21.437 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065321.D
 Acq: 26 Feb 2020 11:57

Tgt Ion:	225	Resp:	78537
Ion Ratio	Lower	Upper	
225	100		
223	60.9	31.4	94.2
227	62.5	31.7	95.1





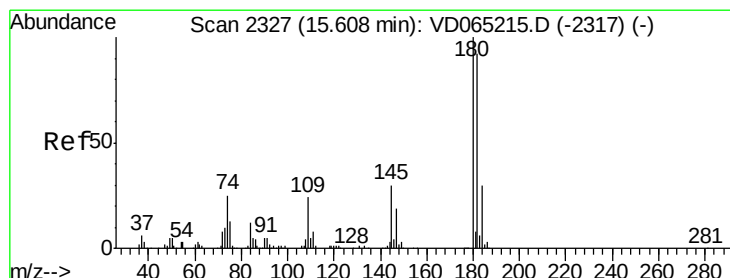
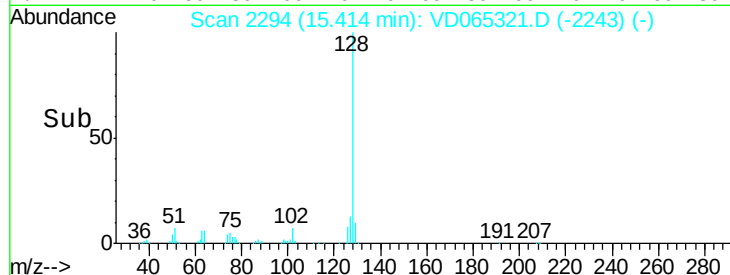
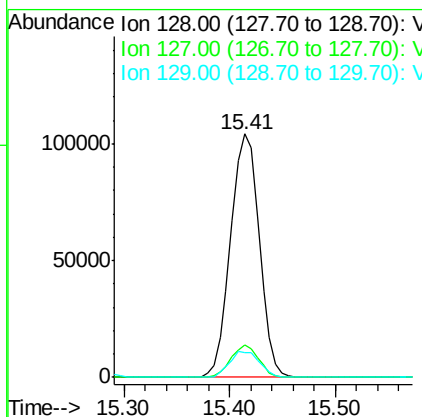
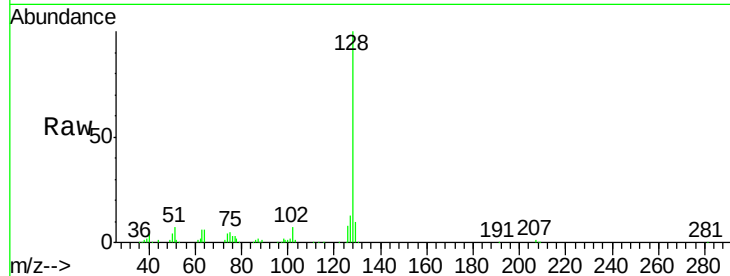
#95
Naphthalene
Concen: 21.132 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD0226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	196197		
127	12.8	10.3	15.5	
129	11.1	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
2/27/2020 11:39:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.568 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065321.D
Acq: 26 Feb 2020 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	107577		
182	94.8	46.9	140.6	
145	30.3	15.4	46.1	

