

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065212.D
 Acq On : 18 Feb 2020 10:34
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:44:00 PM

Quant Time: Feb 19 03:11:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	464928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	714441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	657692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316137	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	21310	5.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.18%	
35) Dibromofluoromethane	7.91	113	21329	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
50) Toluene-d8	10.34	98	76573	4.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.20%	
62) 4-Bromofluorobenzene	12.64	95	24972	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	20618	5.287	ug/l	90
3) Chloromethane	2.21	50	27432	5.527	ug/l	100
4) Vinyl Chloride	2.35	62	26791	5.308	ug/l	98
5) Bromomethane	2.77	94	18316	6.002	ug/l	95
6) Chloroethane	2.93	64	16959	5.505	ug/l #	85
7) Trichlorofluoromethane	3.27	101	38984	5.395	ug/l	96
8) Diethyl Ether	3.71	74	11407	5.230	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	24926	5.462	ug/l	100
10) Methyl Iodide	4.29	142	18843	3.977	ug/l	98
11) Tert butyl alcohol	5.25	59	6332	25.335	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	22182	5.146	ug/l	92
13) Acrolein	3.91	56	10782	28.978	ug/l	97
14) Allyl chloride	4.71	41	34324	4.903	ug/l	97
15) Acrylonitrile	5.43	53	23191	24.015	ug/l	97
16) Acetone	4.17	43	26227	25.652	ug/l	89
17) Carbon Disulfide	4.40	76	74945	5.186	ug/l	95
18) Methyl Acetate	4.73	43	12884	5.603	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	41423	4.608	ug/l	96
20) Methylene Chloride	4.97	84	31754	6.118	ug/l	91
21) trans-1,2-Dichloroethene	5.46	96	24427	4.985	ug/l	84
22) Diisopropyl ether	6.37	45	60848	4.509	ug/l #	93
23) Vinyl Acetate	6.31	43	148318	19.937	ug/l	100
24) 1,1-Dichloroethane	6.26	63	43720	5.223	ug/l	97
25) 2-Butanone	7.23	43	29428	22.749	ug/l	94
26) 2,2-Dichloropropane	7.21	77	38700	5.329	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	25806	4.972	ug/l	99
28) Bromochloromethane	7.55	49	17894	5.762	ug/l	96
29) Tetrahydrofuran	7.58	42	16421	21.665	ug/l	95
30) Chloroform	7.71	83	44525	5.280	ug/l	94
31) Cyclohexane	7.98	56	46098	5.605	ug/l #	84
32) 1,1,1-Trichloroethane	7.91	97	39411	5.224	ug/l	99
36) 1,1-Dichloropropene	8.11	75	34932	5.025	ug/l	97
37) Ethyl Acetate	7.30	43	14703	5.059	ug/l #	96
38) Carbon Tetrachloride	8.09	117	36577	5.169	ug/l	97

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	36100	4.417	ug/l	89
40) Benzene	8.35	78	97093	4.948	ug/l	98
41) Methacrylonitrile	7.54	41	7283	4.340	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	27467	5.092	ug/l	99
43) Isopropyl Acetate	8.46	43	23822	4.508	ug/l	96
44) Trichloroethene	9.11	130	27832	5.117	ug/l	82
45) 1,2-Dichloropropane	9.40	63	24686	5.060	ug/l	89
46) Dibromomethane	9.48	93	12391	4.936	ug/l	97
47) Bromodichloromethane	9.67	83	34422	5.203	ug/l	95
48) Methyl methacrylate	9.46	41	10351	4.238	ug/l	93
49) 1,4-Dioxane	9.46	88	2614	88.783	ug/l #	94
51) 4-Methyl-2-Pentanone	10.24	43	56170	20.927	ug/l	100
52) Toluene	10.41	92	53445	4.400	ug/l	90
53) t-1,3-Dichloropropene	10.63	75	27042	4.410	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	34769	4.695	ug/l #	93
55) 1,1,2-Trichloroethane	10.80	97	18132	5.132	ug/l	98
56) Ethyl methacrylate	10.67	69	16590	4.068	ug/l	95
57) 1,3-Dichloropropane	10.96	76	29460	4.899	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	41551	32.316	ug/l	97
59) 2-Hexanone	10.99	43	37808	19.677	ug/l	95
60) Dibromochloromethane	11.14	129	22054	4.877	ug/l	99
61) 1,2-Dibromoethane	11.25	107	16360	4.890	ug/l	99
64) Tetrachloroethene	10.88	164	23659	5.072	ug/l	94
65) Chlorobenzene	11.67	112	65389	4.954	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	24897	5.055	ug/l	98
67) Ethyl Benzene	11.75	91	104991	4.542	ug/l	95
68) m/p-Xylenes	11.86	106	77923	8.811	ug/l	98
69) o-Xylene	12.18	106	34020	4.342	ug/l	95
70) Styrene	12.20	104	59709	4.292	ug/l	97
71) Bromoform	12.37	173	13549	4.958	ug/l #	95
73) Isopropylbenzene	12.48	105	86838	4.149	ug/l	97
74) N-amyl acetate	12.30	43	18648	4.010	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	19036	5.040	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	15290m	3.375	ug/l	
77) Bromobenzene	12.77	156	24454	4.705	ug/l	98
78) n-propylbenzene	12.83	91	111149	4.419	ug/l	99
79) 2-Chlorotoluene	12.91	91	64492	4.577	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	73126	4.242	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	5540	4.447	ug/l	97
82) 4-Chlorotoluene	13.01	91	69476	4.645	ug/l	100
83) tert-Butylbenzene	13.23	119	61132	4.231	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	73522	4.261	ug/l	98
85) sec-Butylbenzene	13.41	105	92521	4.444	ug/l	98
86) p-Isopropyltoluene	13.53	119	80421	4.224	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	48942	4.871	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	49559	4.998	ug/l	92
89) n-Butylbenzene	13.85	91	75301	4.292	ug/l	100
90) Hexachloroethane	14.12	117	19490	5.042	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	42530	4.930	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2943	5.056	ug/l	93

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

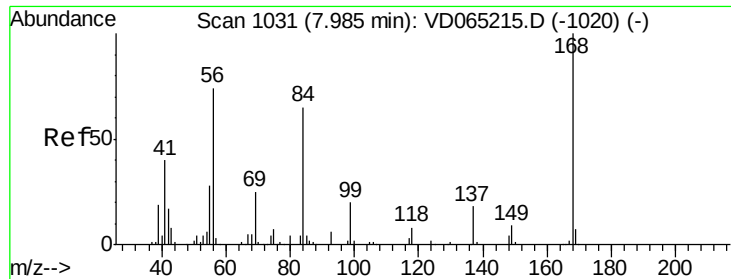
Manual Integrations
APPROVED

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2/19/2020 1:44:00 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	24740	4.384	ug/l	94
94) Hexachlorobutadiene	15.28	225	17126	4.731	ug/l	94
95) Naphthalene	15.41	128	34906	3.805	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	21928	4.449	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 464928

Ion Ratio Lower Upper

168 100

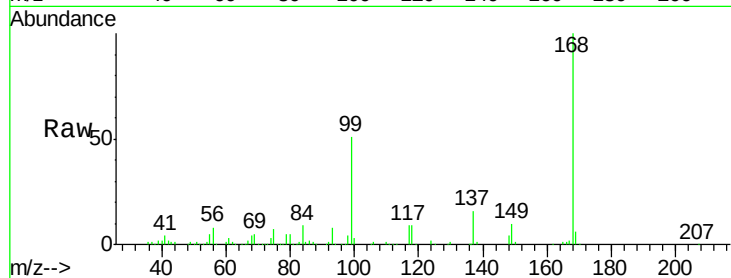
99 50.4 41.4 62.2

Manual Integrations

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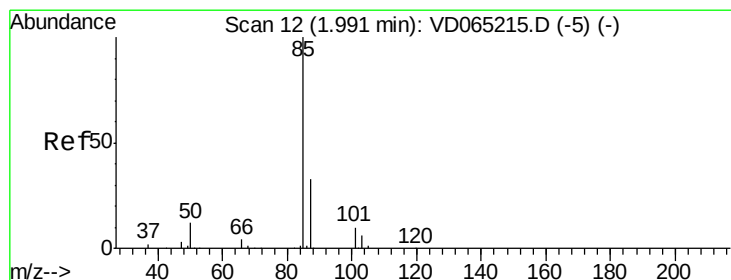
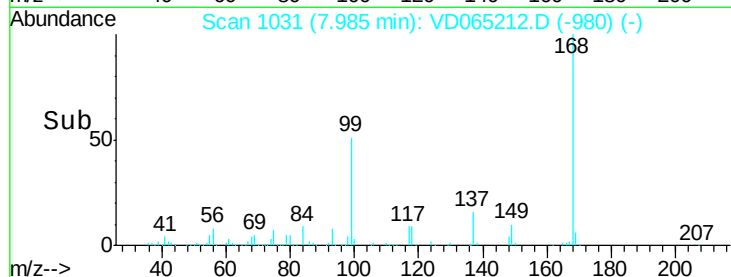
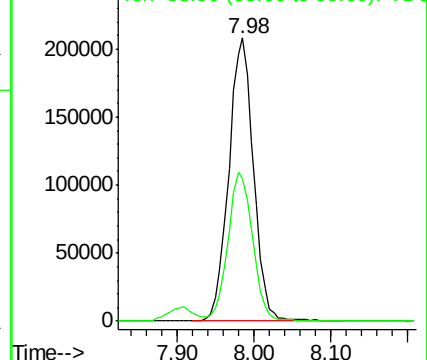
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.287 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065212.D

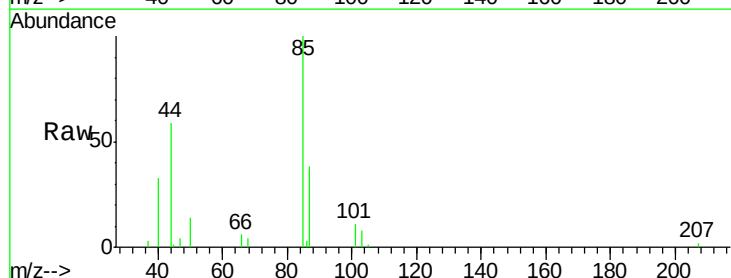
Acq: 18 Feb 2020 10:34

Tgt Ion: 85 Resp: 20618

Ion Ratio Lower Upper

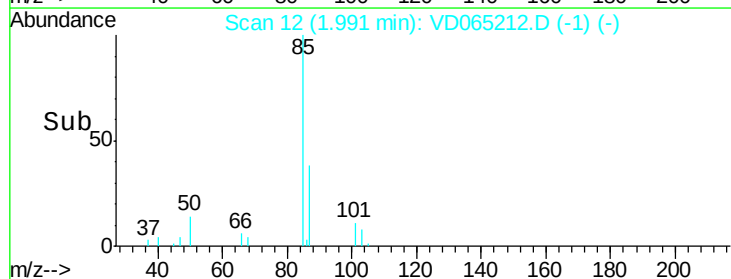
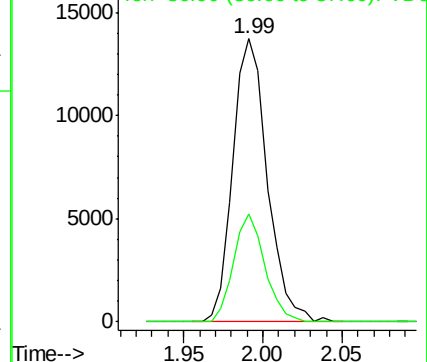
85 100

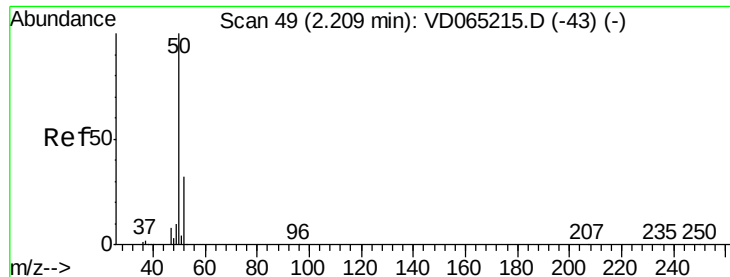
87 38.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.527 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 27432

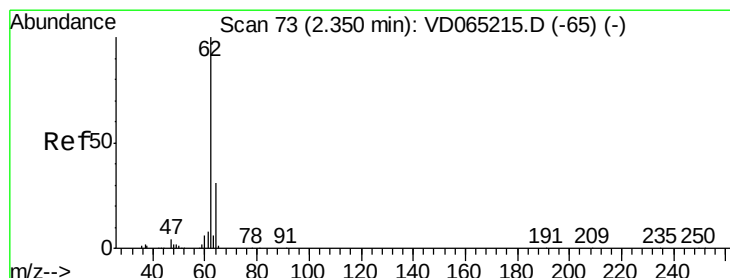
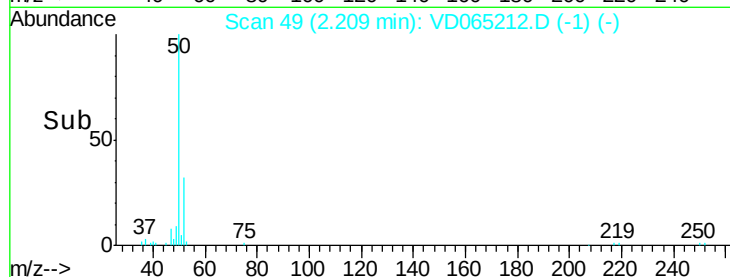
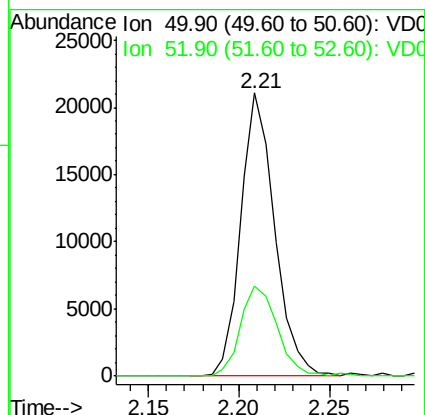
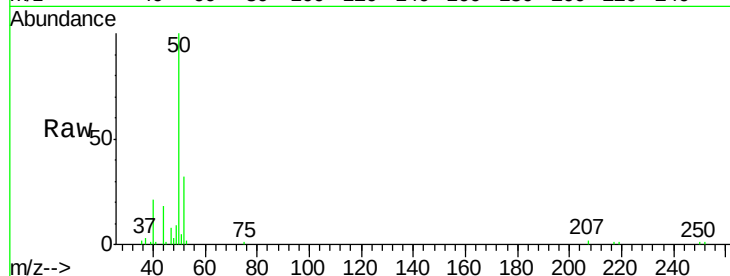
Ion Ratio Lower Upper

50 100

52 32.0 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 5.308 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065212.D

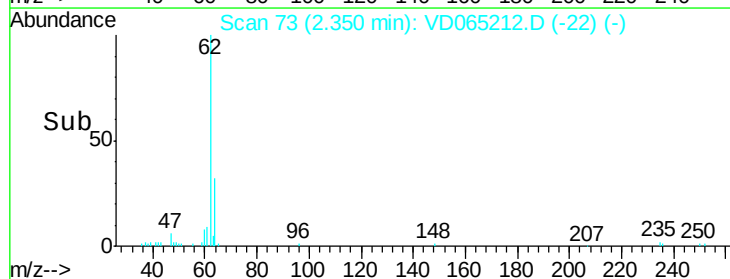
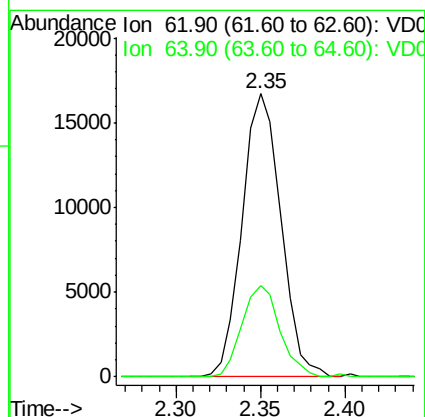
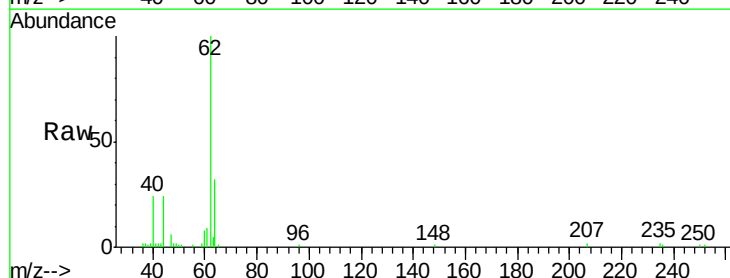
Acq: 18 Feb 2020 10:34

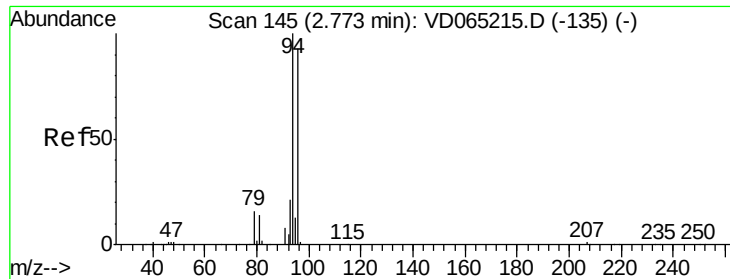
Tgt Ion: 62 Resp: 26791

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.6





#5

Bromomethane

Concen: 6.002 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 18316

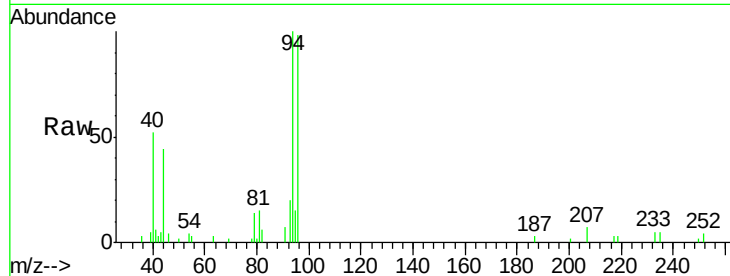
Ion Ratio Lower Upper

94 100

96 98.0 74.2 111.4

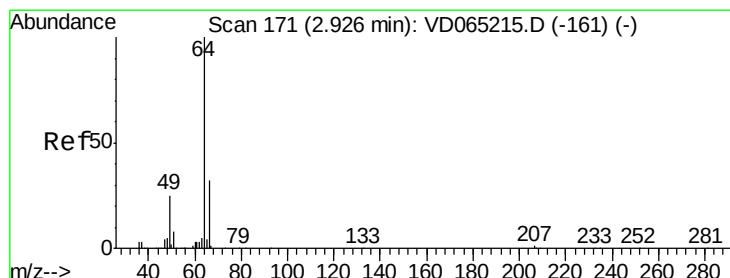
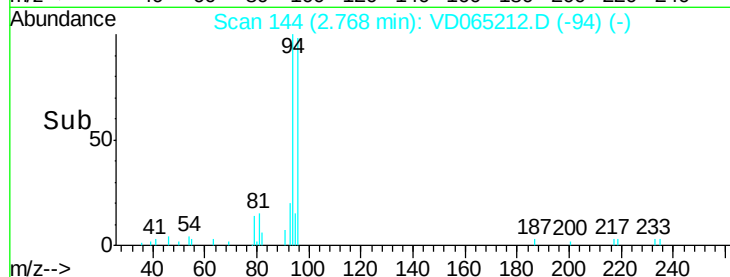
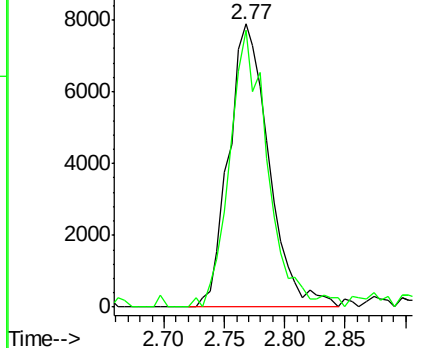
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.505 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065212.D

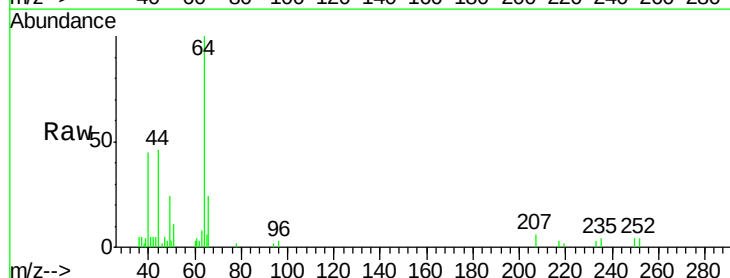
Acq: 18 Feb 2020 10:34

Tgt Ion: 64 Resp: 16959

Ion Ratio Lower Upper

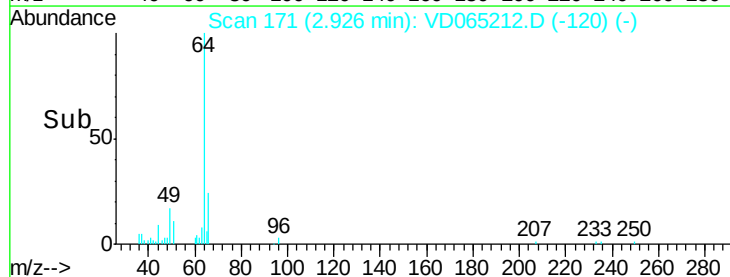
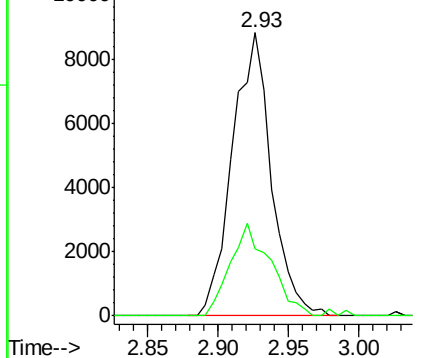
64 100

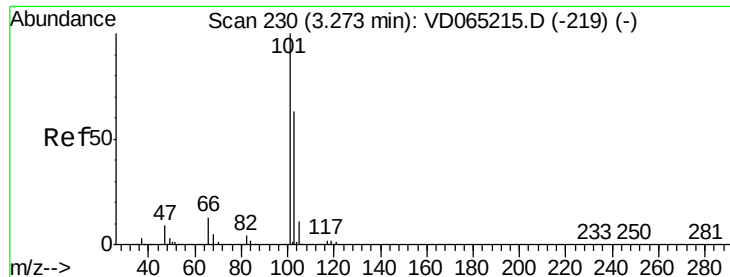
66 23.6 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

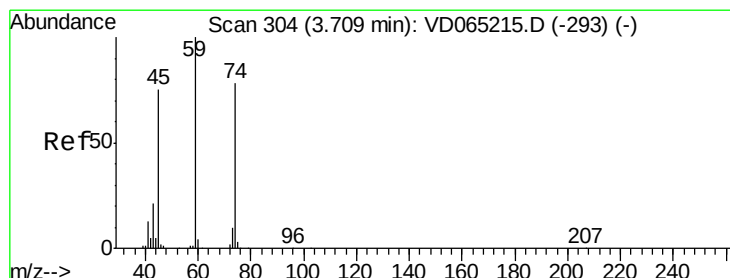
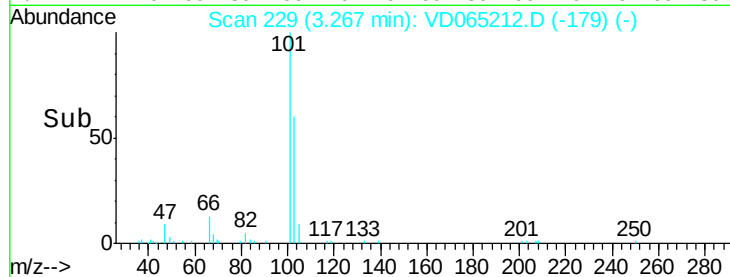
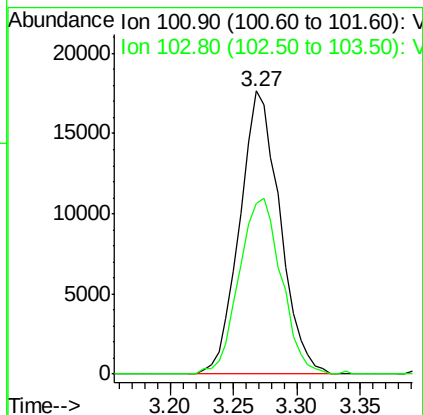
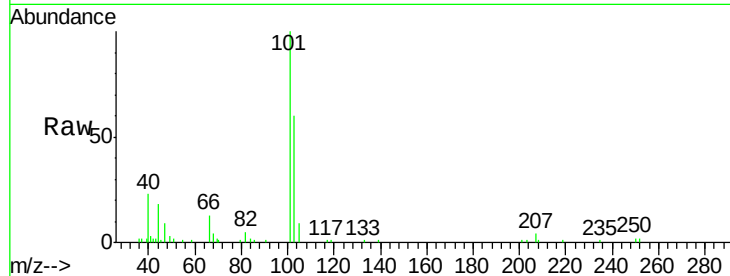
Trichlorofluoromethane
 Concen: 5.395 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Instrument :
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 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.3	50.7	76.1

Manual Integrations
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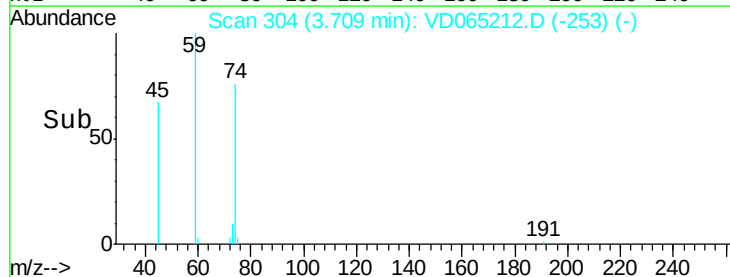
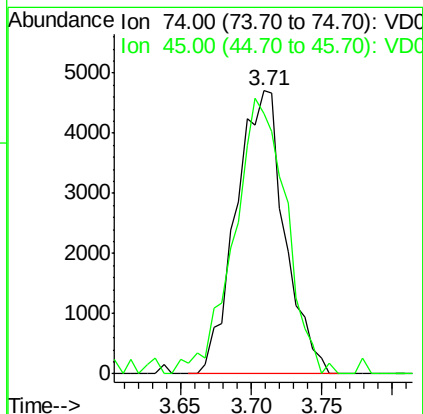
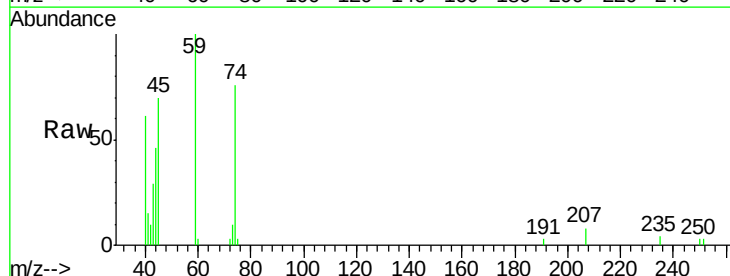
MMDadoda
 2/19/2020 1:44:00 PM

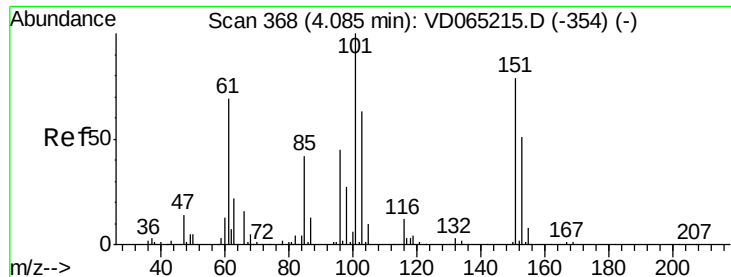


#8

Diethyl Ether
 Concen: 5.230 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.6	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.462 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

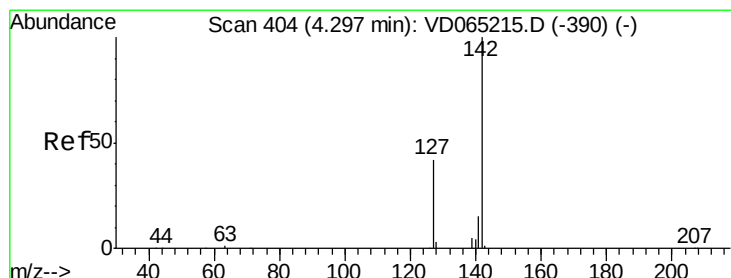
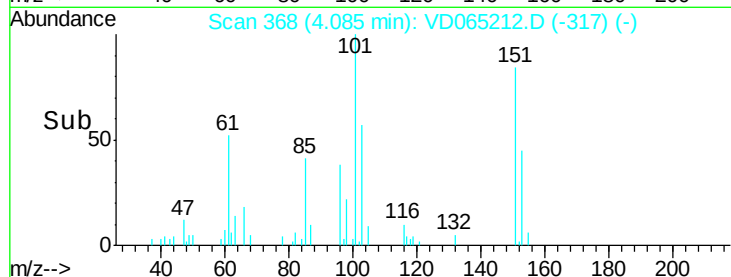
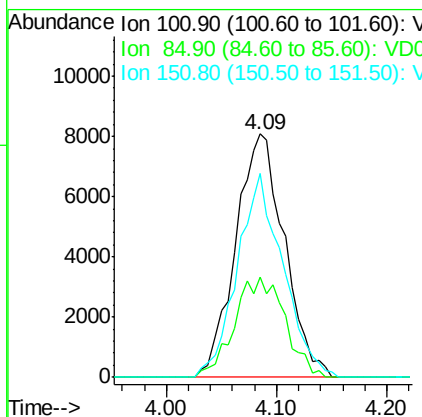
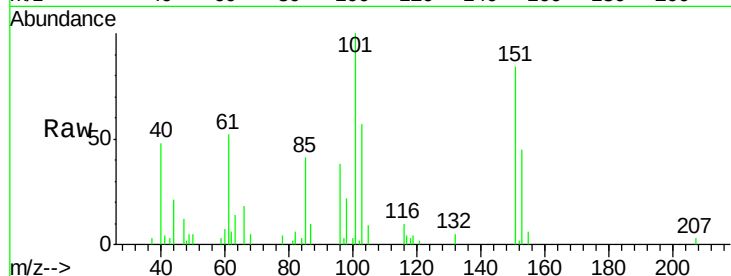
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	24926
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.2
151	78.9	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 3.977 ug/l

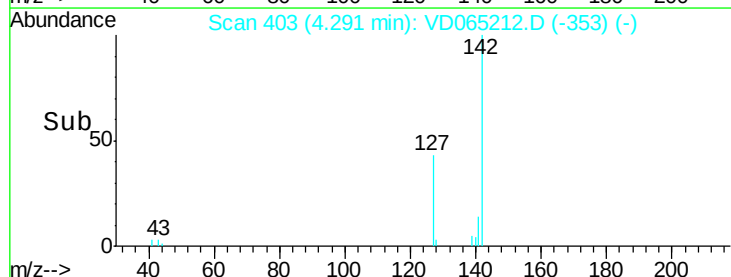
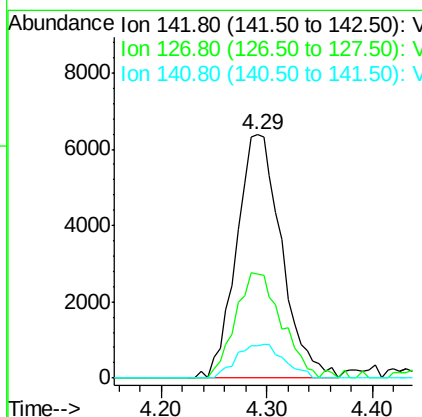
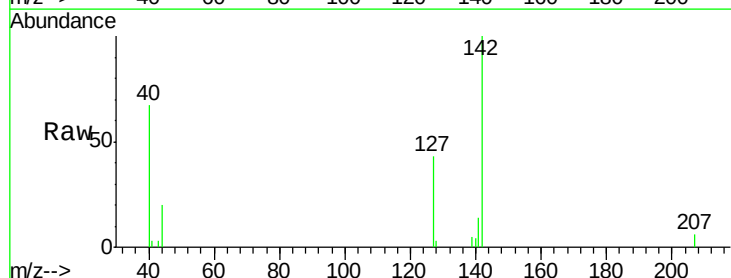
RT: 4.29 min Scan# 403

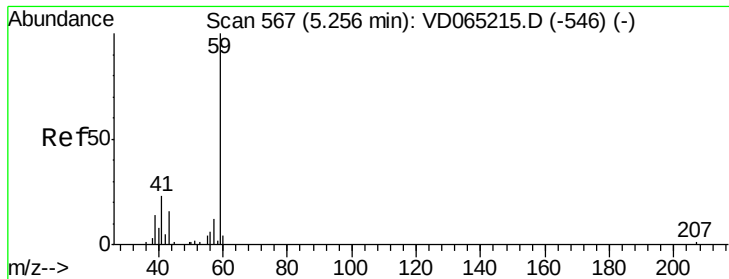
Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Tgt Ion:	142	Resp:	18843
Ion Ratio	Lower	Upper	
142	100		
127	44.2	33.8	50.8
141	14.6	11.7	17.5





#11

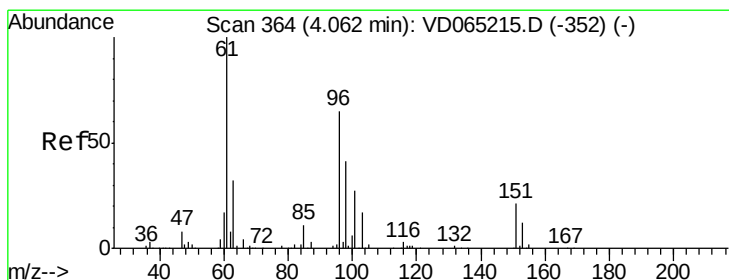
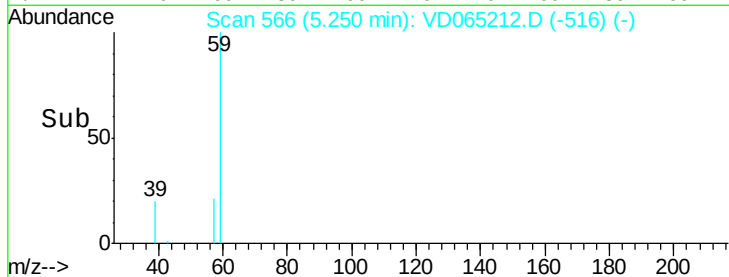
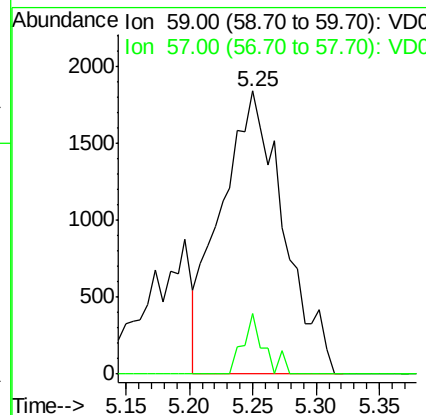
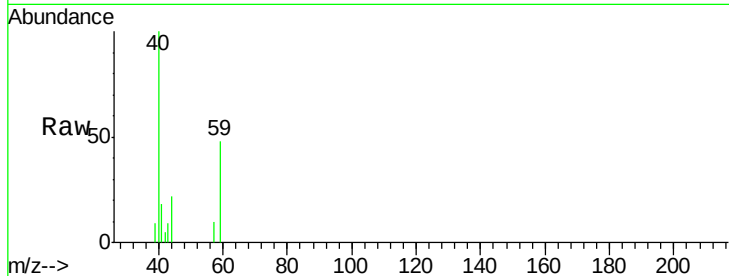
Tert butyl alcohol
Concen: 25.335 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.0	8.4	12.6#

Manual Integrations
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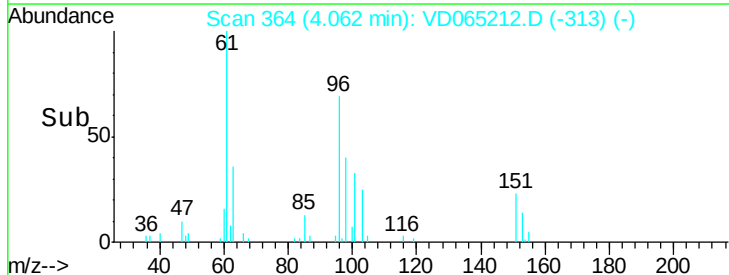
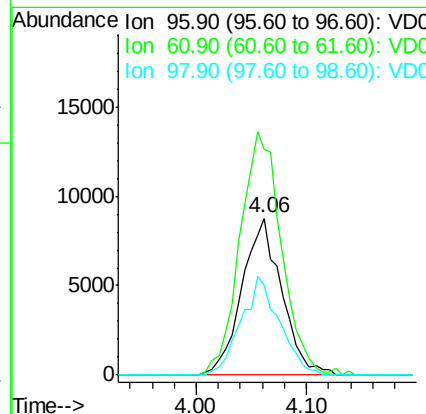
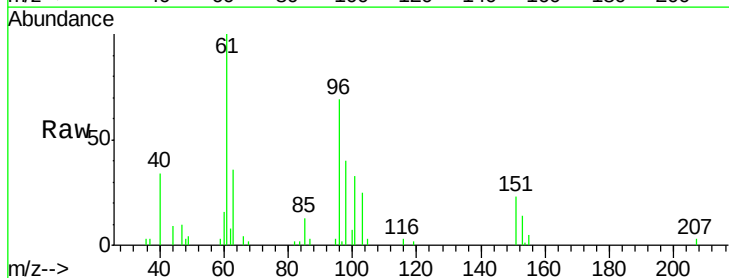
MMDadoda
2/19/2020 1:44:00 PM

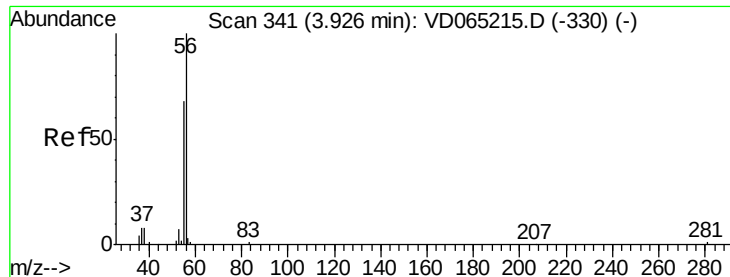


#12

1,1-Dichloroethene
Concen: 5.146 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.9	123.3	184.9
98	57.5	51.0	76.4





#13

Acrolein

Concen: 28.978 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 10782

Ion Ratio Lower Upper

56 100

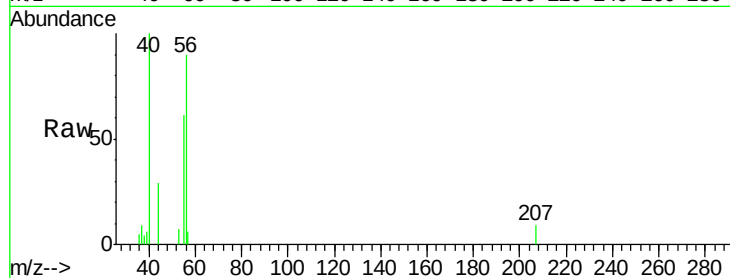
55 73.6 56.6 85.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.91

4000

3000

2000

1000

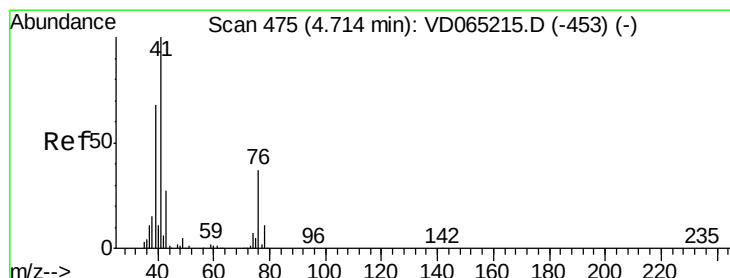
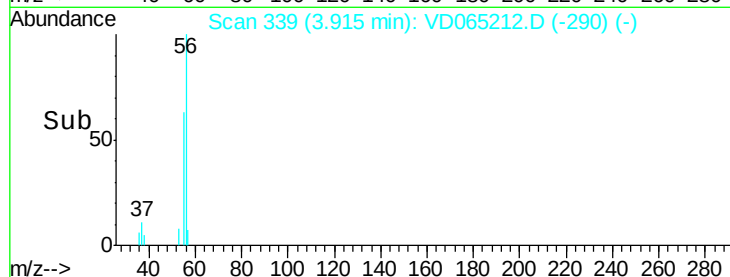
0

Time-->

3.80

3.90

4.00



#14

Allyl chloride

Concen: 4.903 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

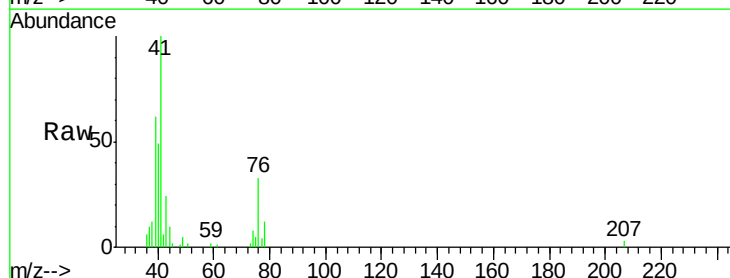
Tgt Ion: 41 Resp: 34324

Ion Ratio Lower Upper

41 100

39 69.7 53.8 80.6

76 36.9 28.7 43.1



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

15000

10000

5000

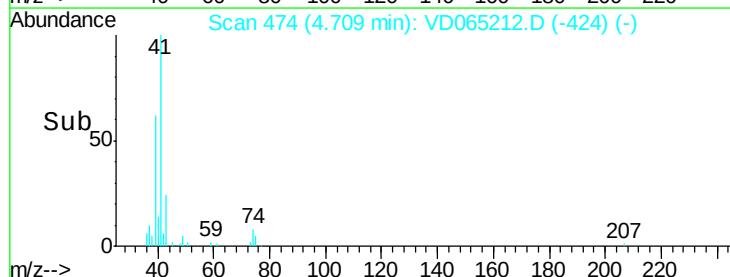
0

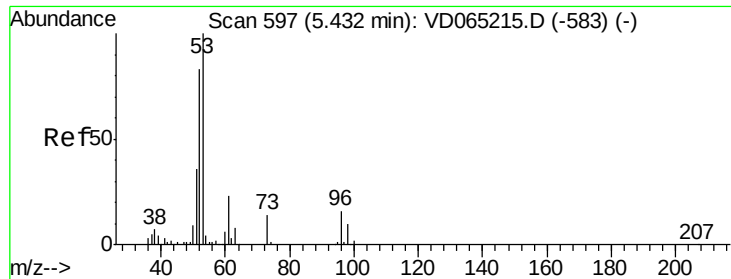
Time-->

4.60

4.70

4.80





#15

Acrylonitrile

Concen: 24.015 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

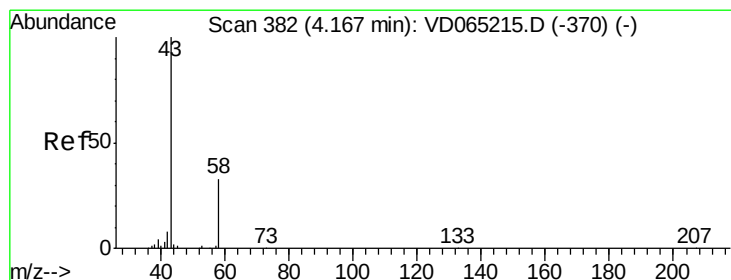
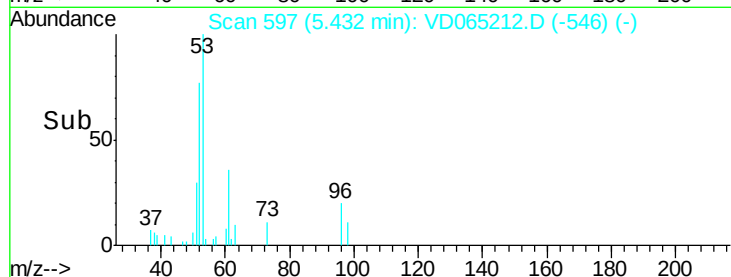
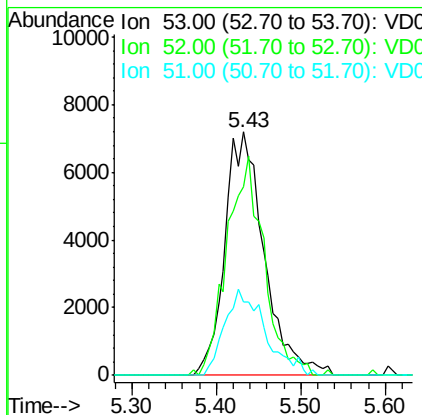
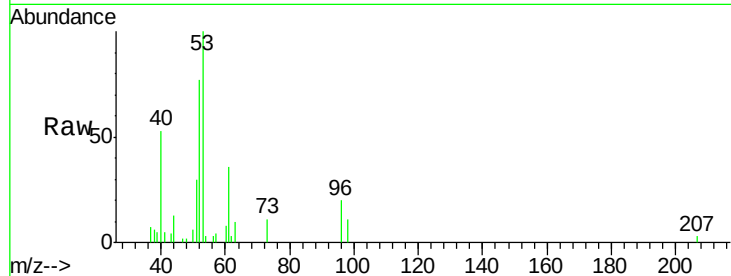
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	23191
Ion Ratio	Lower	Upper	
53	100		
52	85.0	65.4	98.2
51	36.4	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 25.652 ug/l

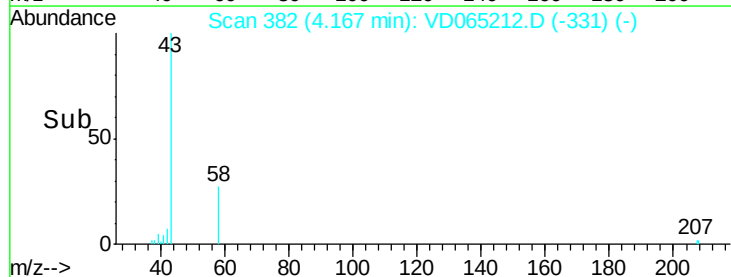
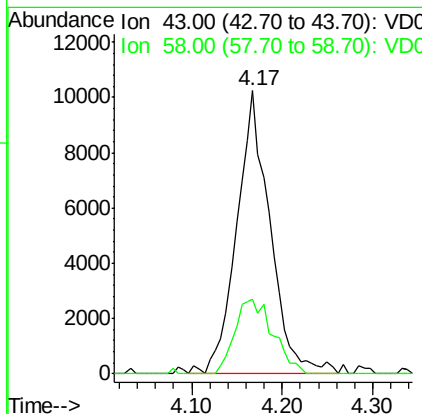
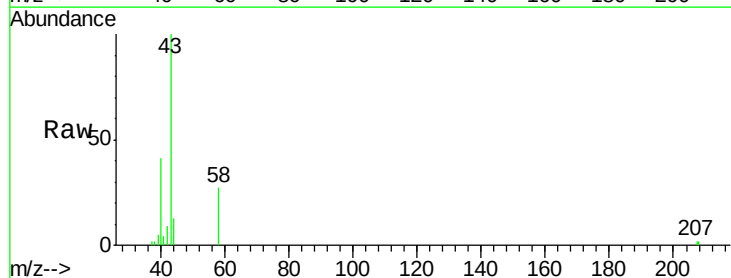
RT: 4.17 min Scan# 382

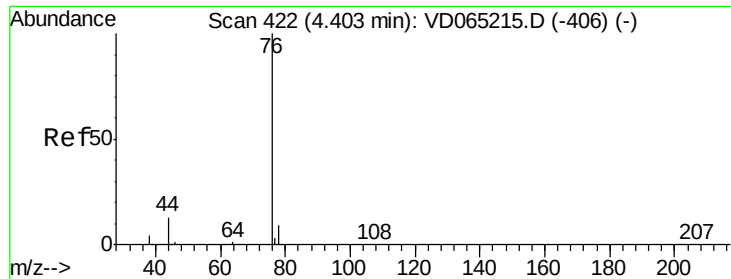
Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Tgt Ion:	43	Resp:	26227
Ion Ratio	Lower	Upper	
43	100		
58	26.5	26.2	39.2





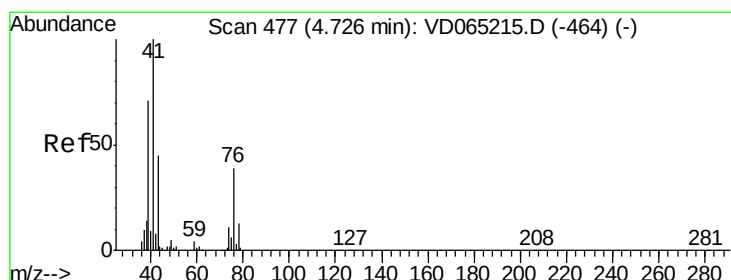
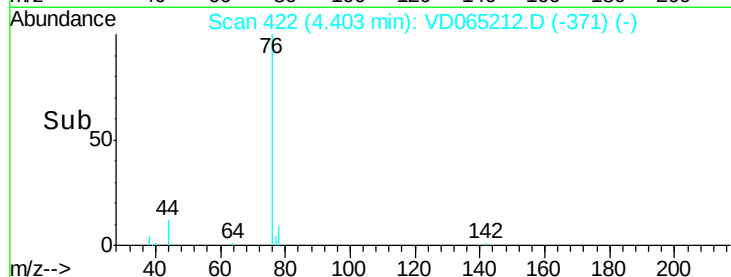
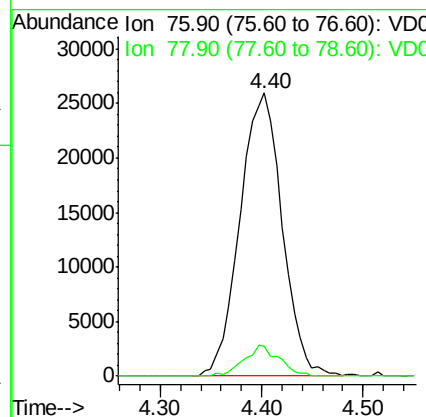
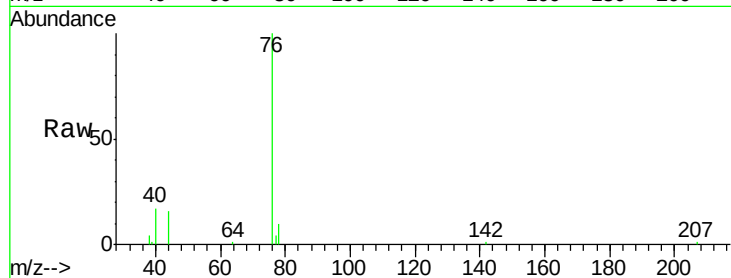
#17
Carbon Disulfide
Concen: 5.186 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.4	7.0	10.6

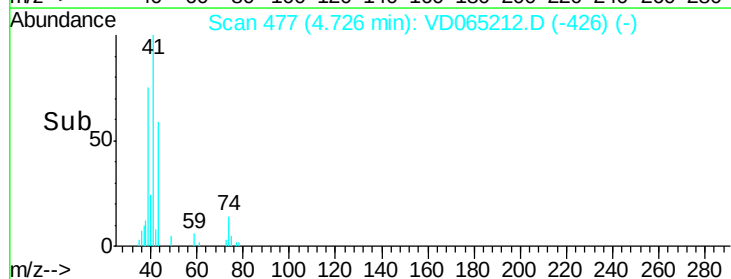
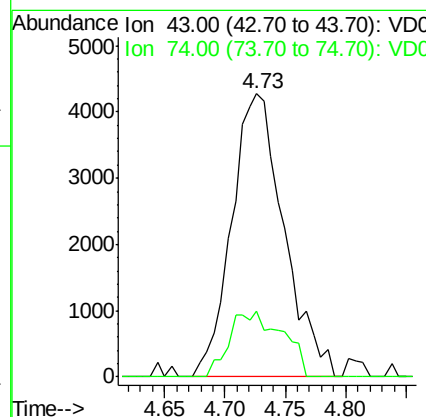
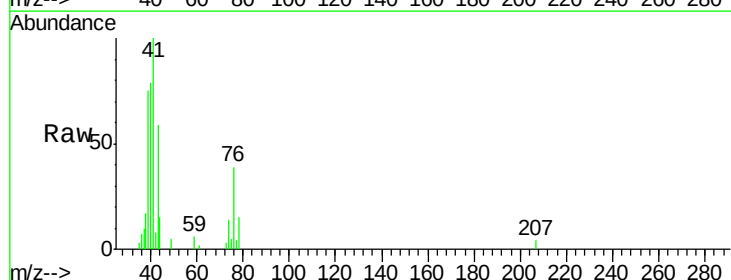
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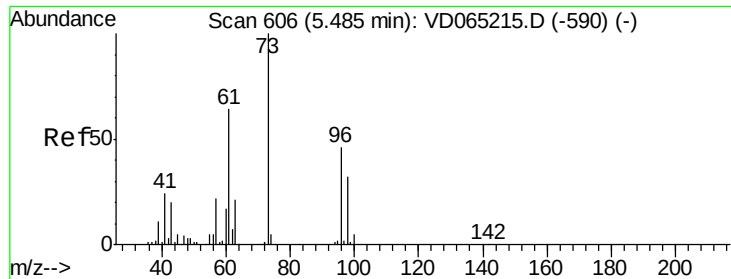
MMDadoda
2/19/2020 1:44:00 PM



#18
Methyl Acetate
Concen: 5.603 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.4	29.2





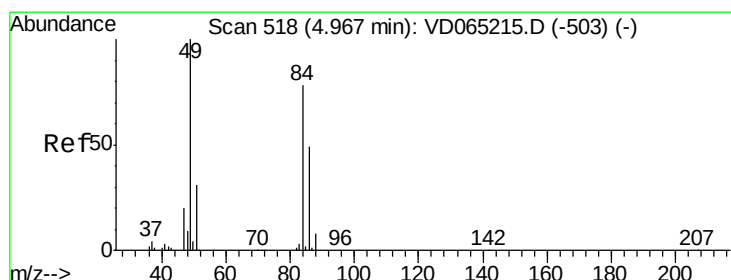
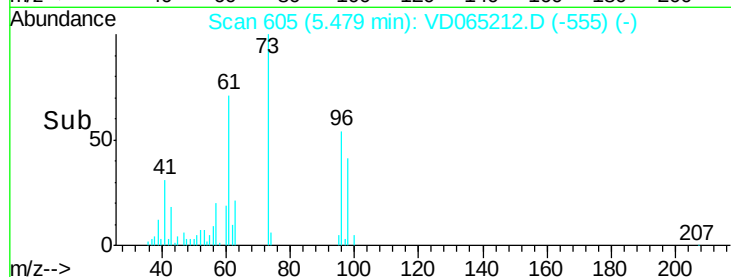
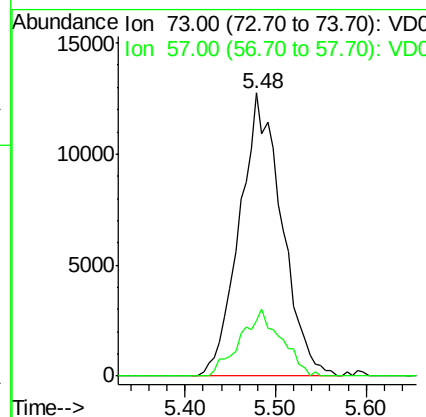
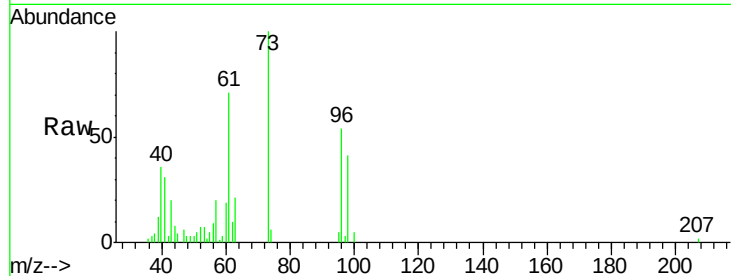
#19
Methyl tert-butyl Ether
Concen: 4.608 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 41423
Ion Ratio Lower Upper
73 100
57 19.7 17.3 25.9

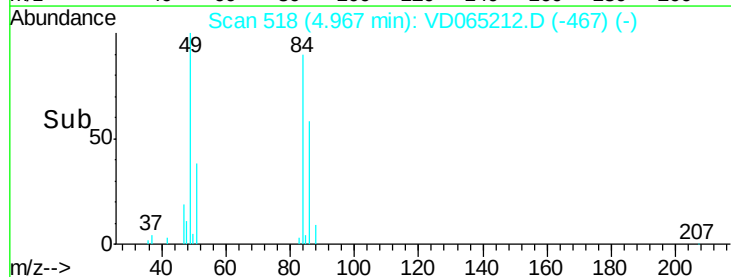
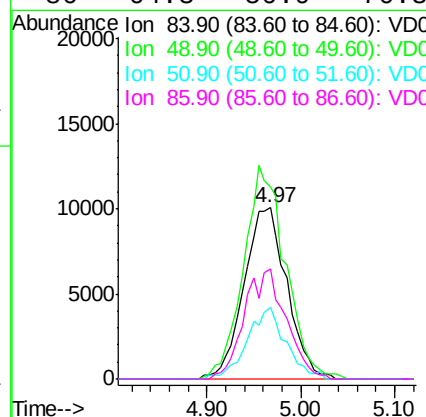
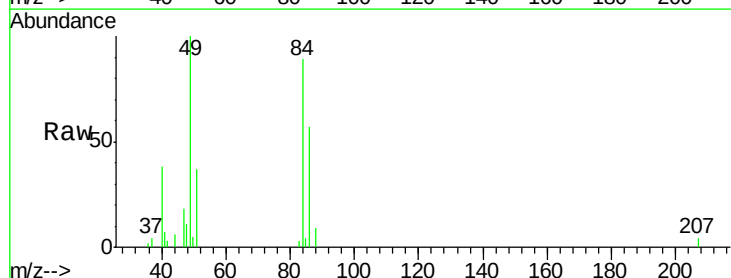
Manual Integrations
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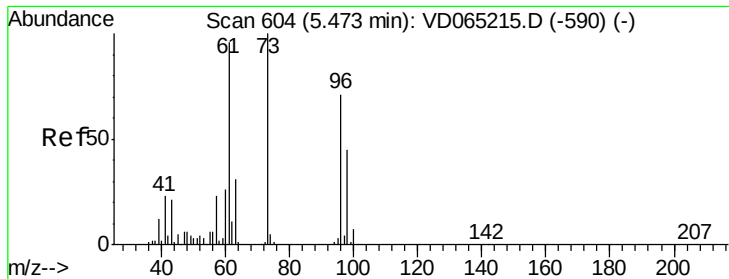
MMDadoda
2/19/2020 1:44:00 PM



#20
Methylene Chloride
Concen: 6.118 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion: 84 Resp: 31754
Ion Ratio Lower Upper
84 100
49 112.4 103.1 154.7
51 41.6 31.7 47.5
86 64.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 4.985 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

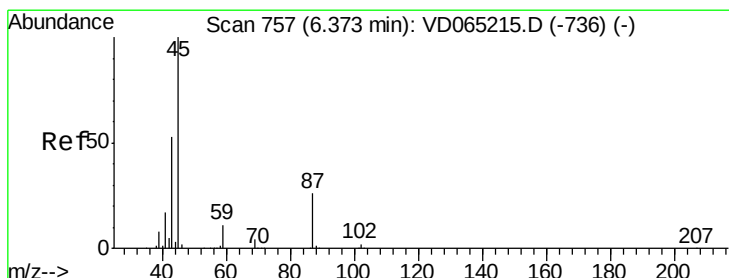
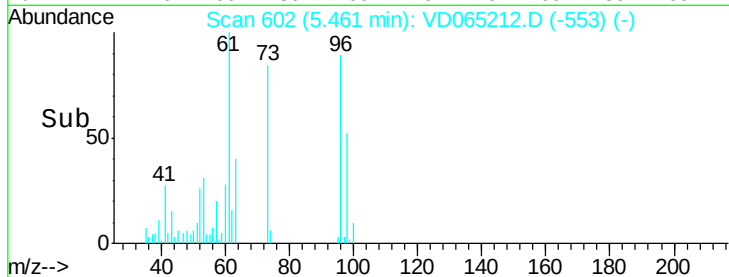
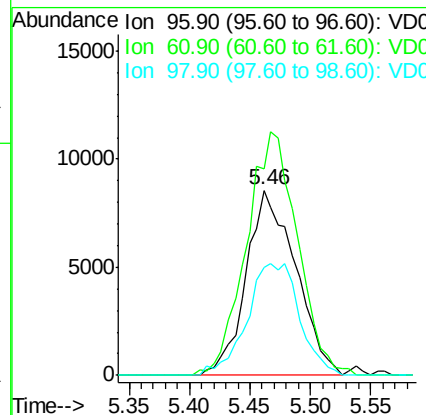
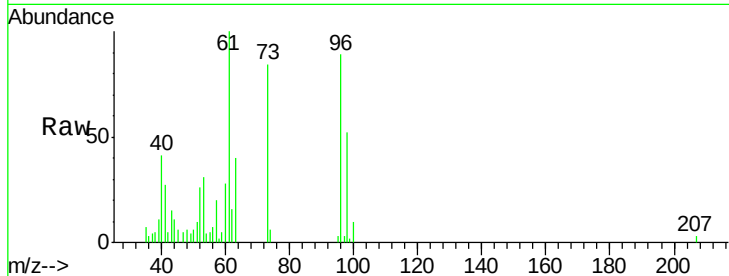
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	24427
Ion	Ratio	Lower	Upper
96	100		
61	111.8	108.3	162.5
98	58.2	50.7	76.1

Manual Integrations
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2/19/2020 1:44:00 PM



#22

Diisopropyl ether

Concen: 4.509 ug/l

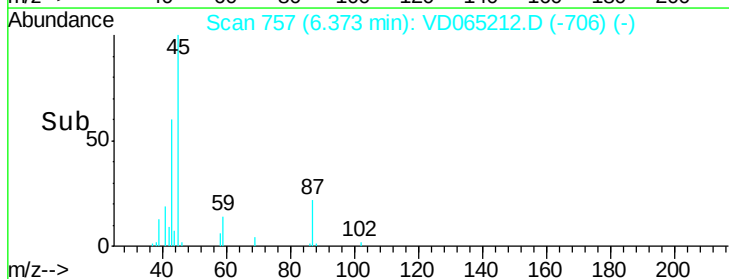
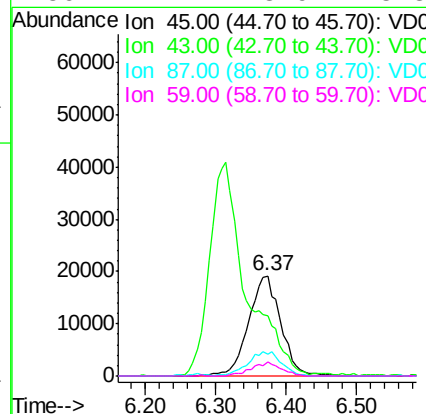
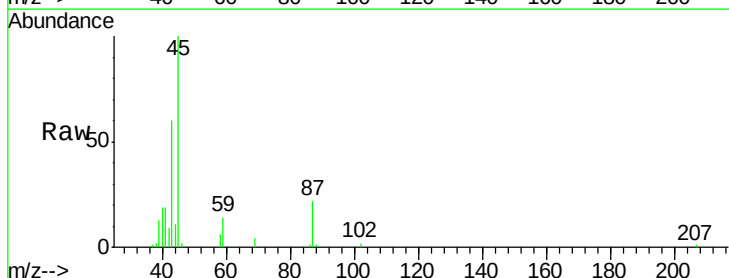
RT: 6.37 min Scan# 757

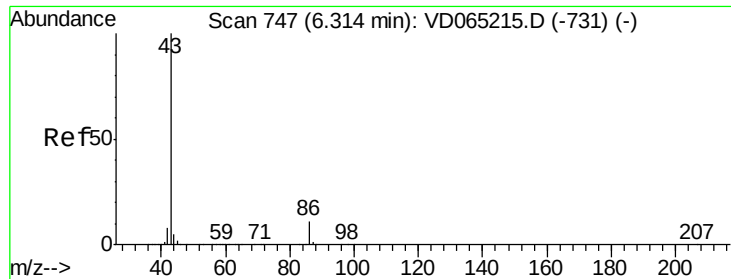
Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Tgt Ion:	45	Resp:	60848
Ion	Ratio	Lower	Upper
45	100		
43	57.7	42.6	64.0
87	22.2	21.2	31.8
59	14.2	8.9	13.3#





#23

Vinyl Acetate

Concen: 19.937 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 148318

Ion Ratio Lower Upper

43 100

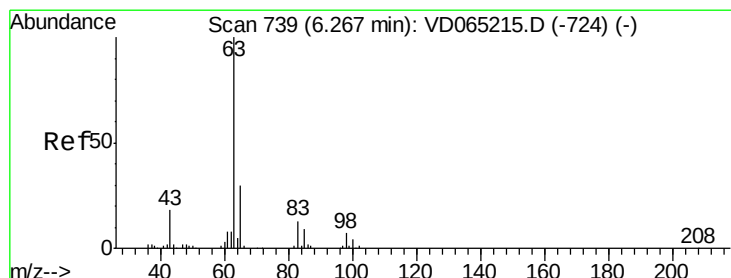
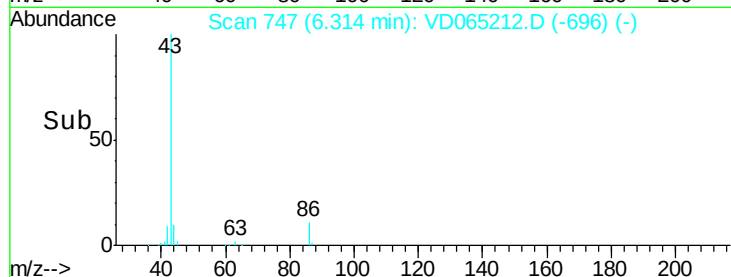
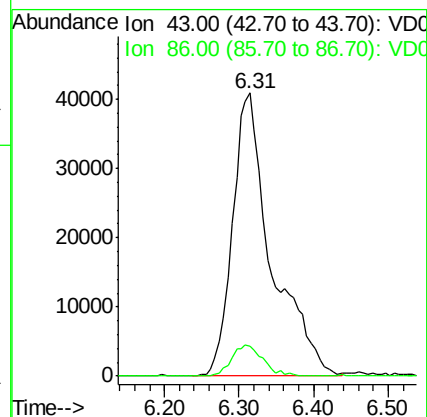
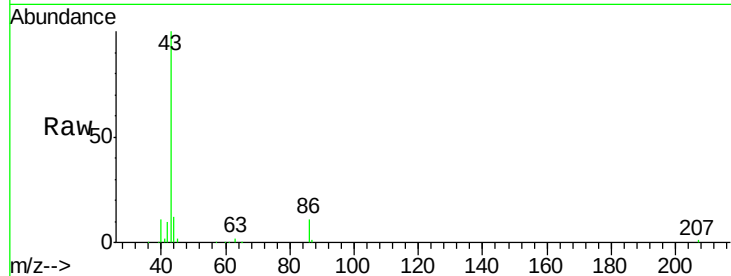
86 10.8 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.223 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

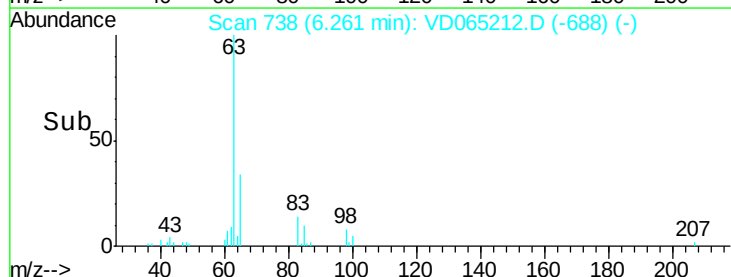
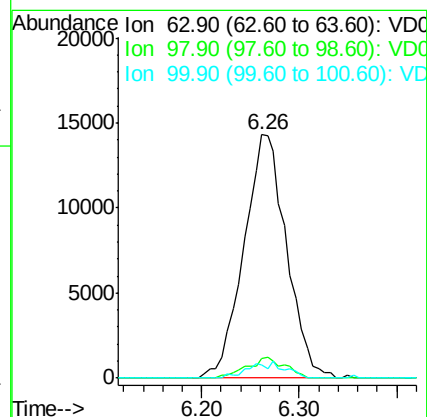
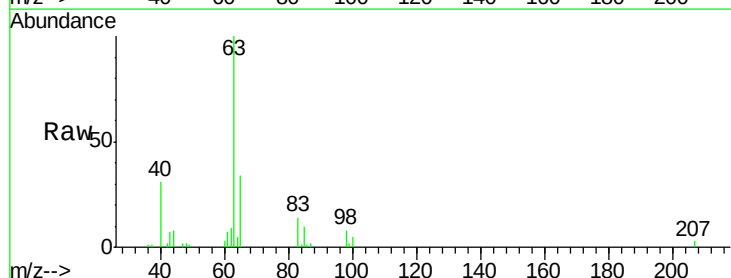
Tgt Ion: 63 Resp: 43720

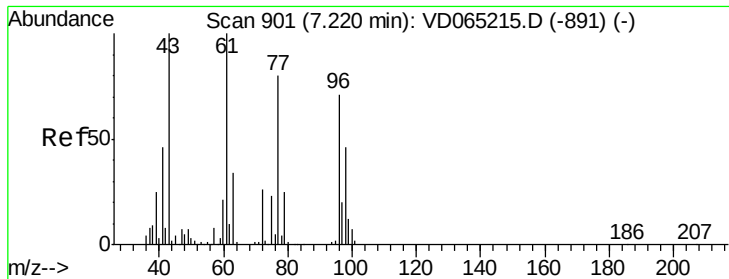
Ion Ratio Lower Upper

63 100

98 7.9 3.4 10.1

100 5.5 2.3 6.8





#25

2-Butanone

Concen: 22.749 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 29428

Ion Ratio Lower Upper

43 100

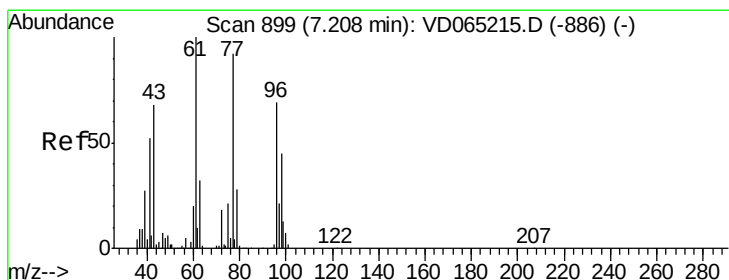
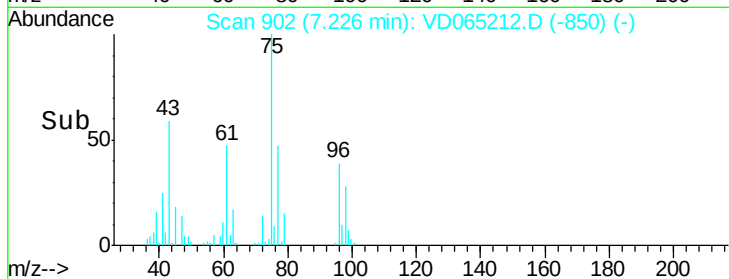
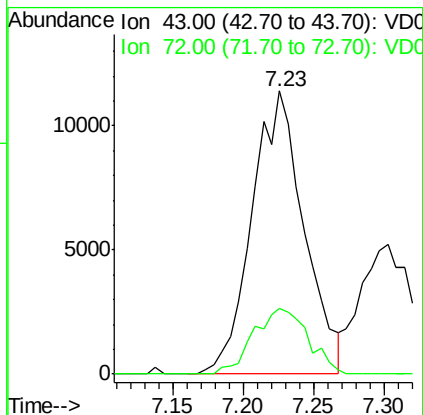
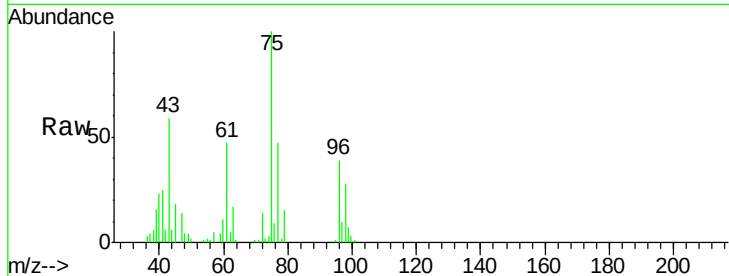
72 23.2 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.329 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065212.D

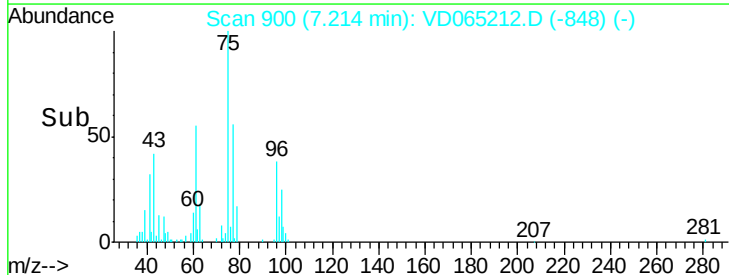
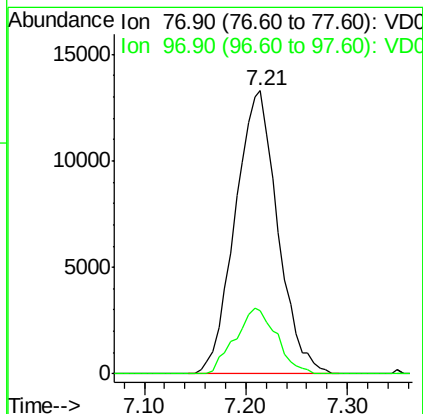
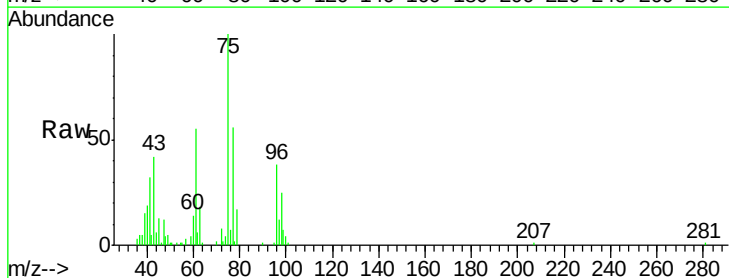
Acq: 18 Feb 2020 10:34

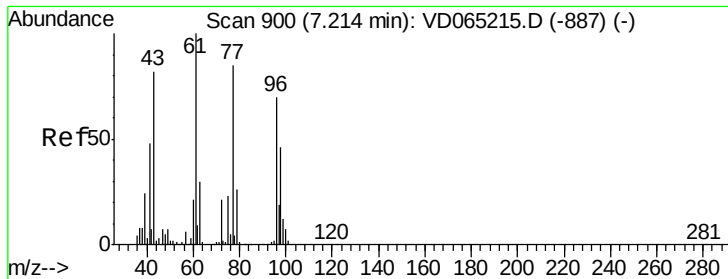
Tgt Ion: 77 Resp: 38700

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.1





#27

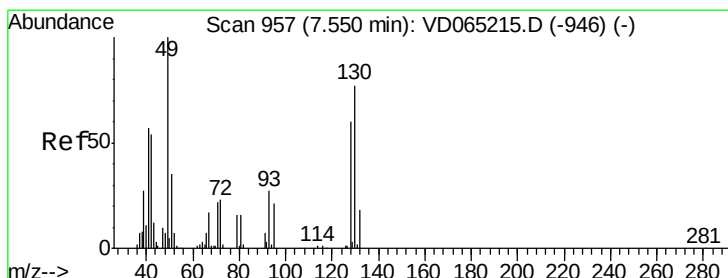
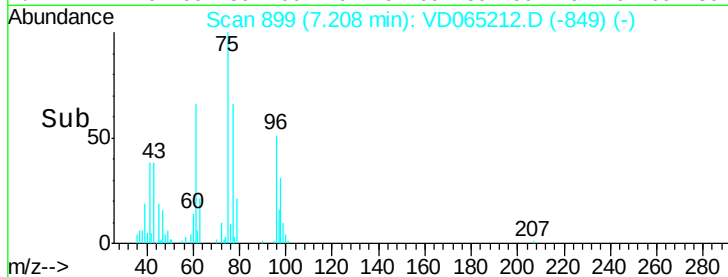
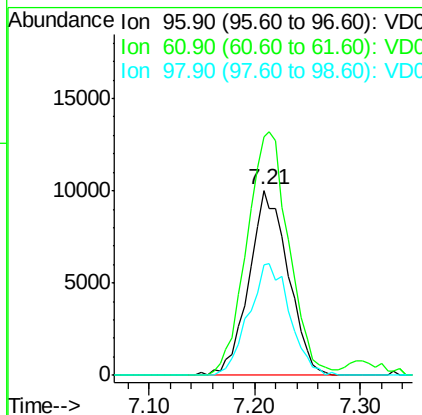
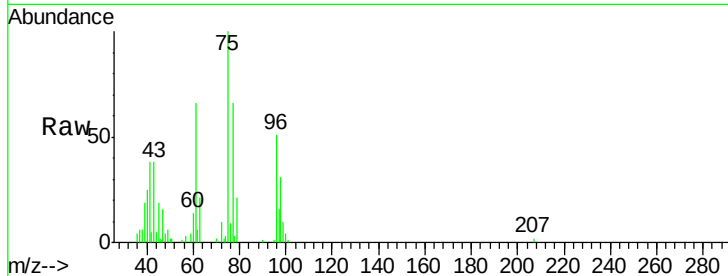
cis-1,2-Dichloroethene
Concen: 4.972 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	286.0
98	63.2	0.0	127.8

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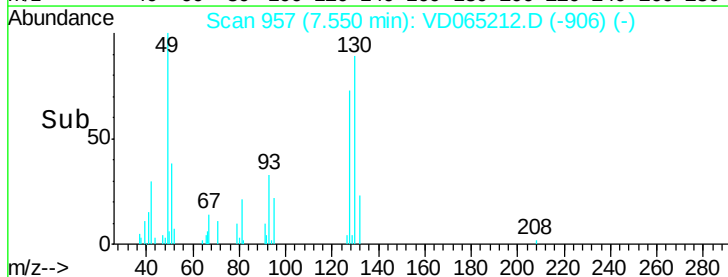
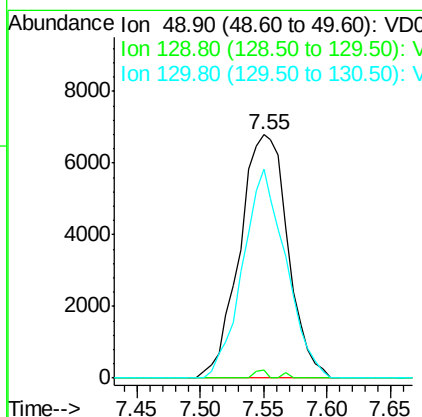
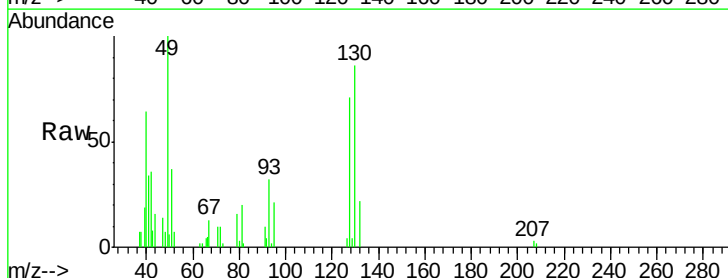
MMDadoda
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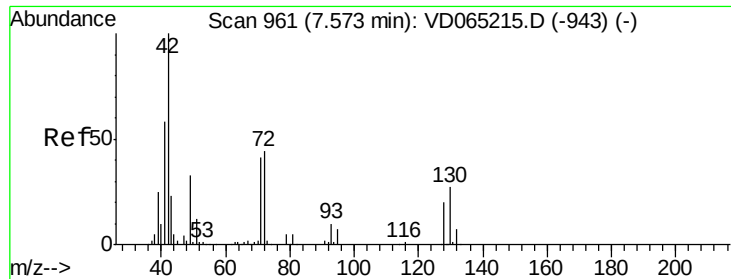


#28

Bromochloromethane
Concen: 5.762 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	4.6
130	77.4	64.7	97.1





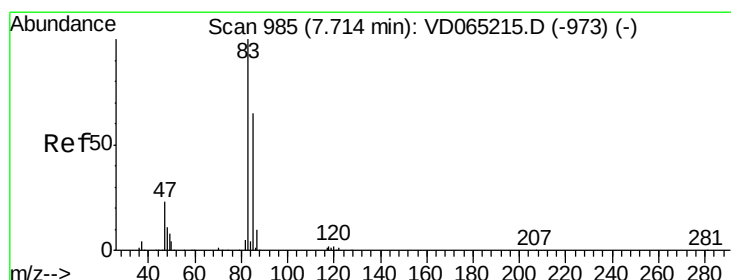
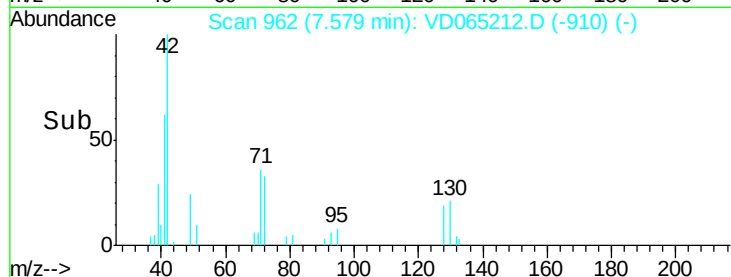
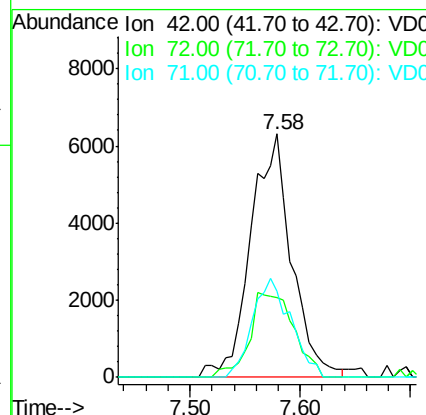
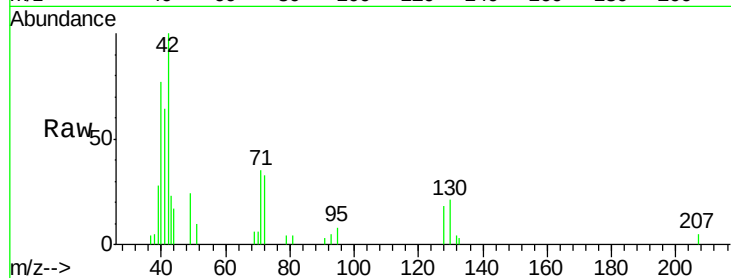
#29
Tetrahydrofuran
Concen: 21.665 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	33.7	50.5
71	38.0	31.4	47.2

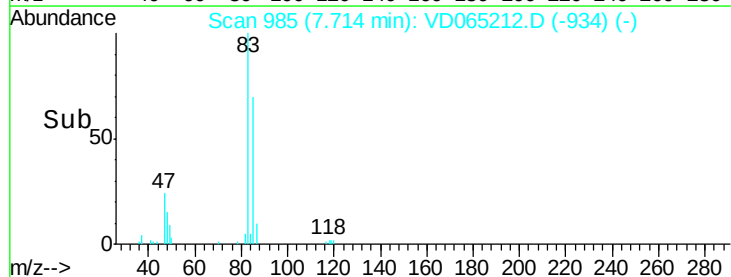
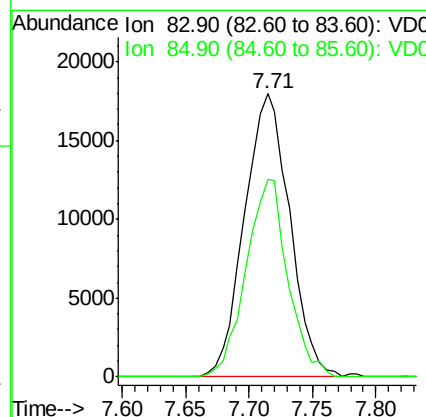
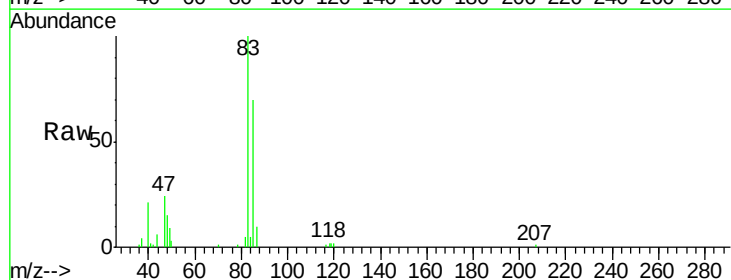
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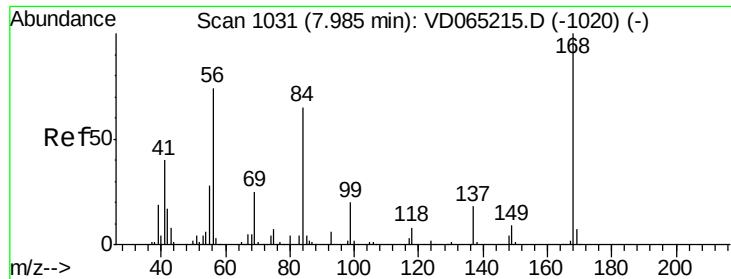
MMDadoda
2/19/2020 1:44:00 PM



#30
Chloroform
Concen: 5.280 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.0	52.3	78.5





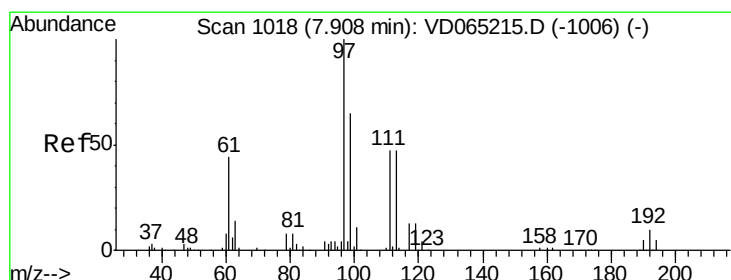
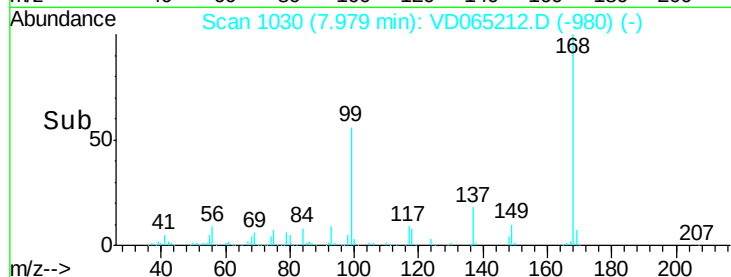
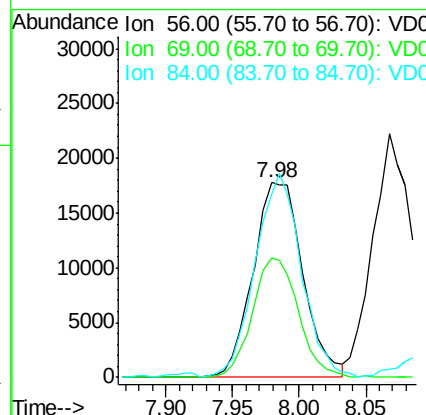
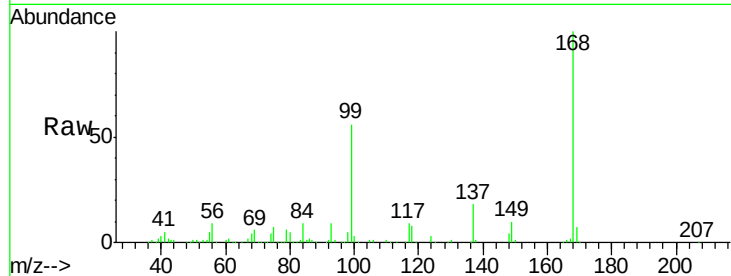
#31
Cyclohexane
Concen: 5.605 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	61.6	27.4	41.0#
84	91.9	71.1	106.7

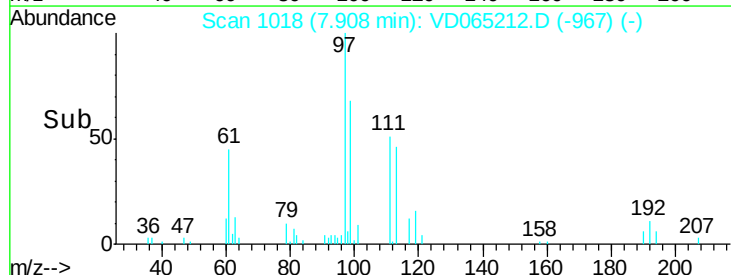
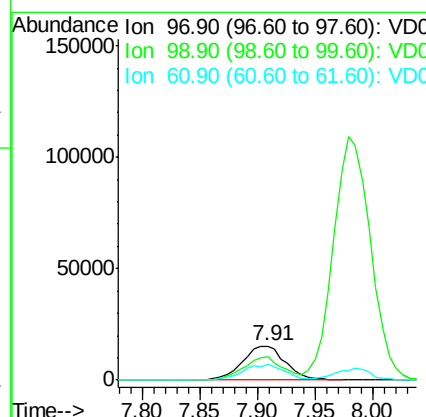
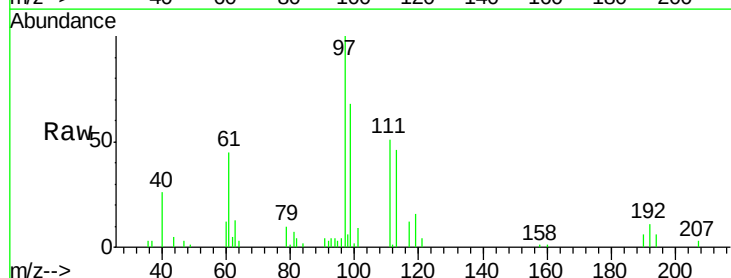
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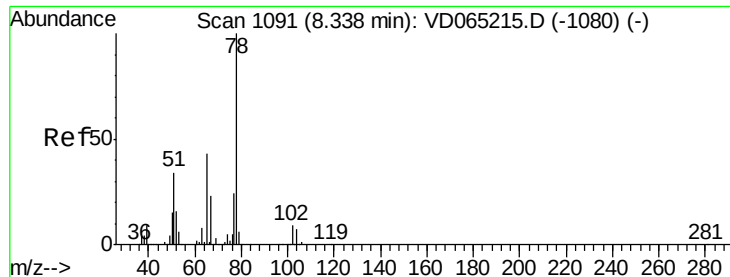
MMDadoda
2/19/2020 1:44:00 PM



#32
1,1,1-Trichloroethane
Concen: 5.224 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.2
61	44.5	34.8	52.2





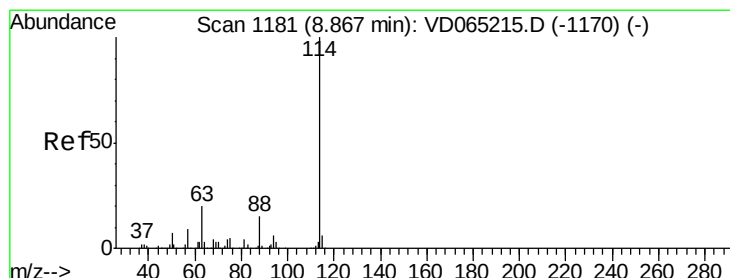
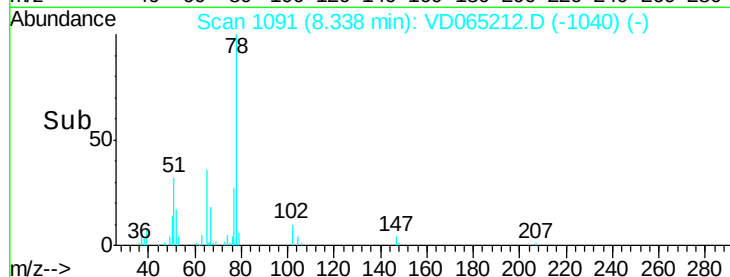
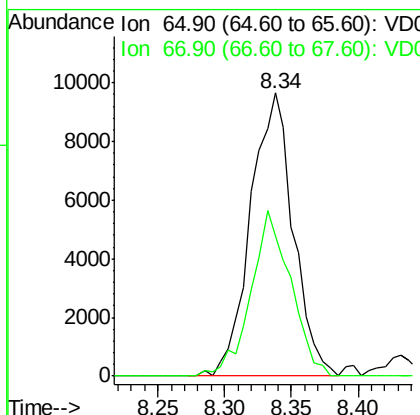
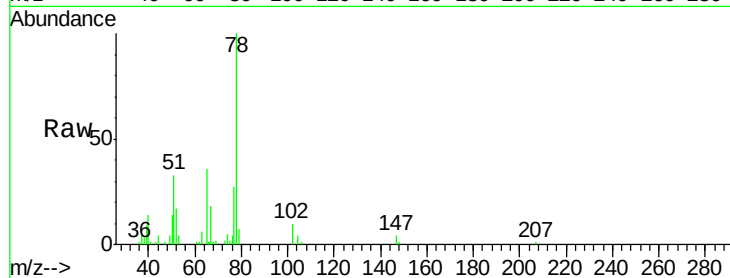
#33
 1,2-Dichloroethane-d4
 Concen: 5.095 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	106.8

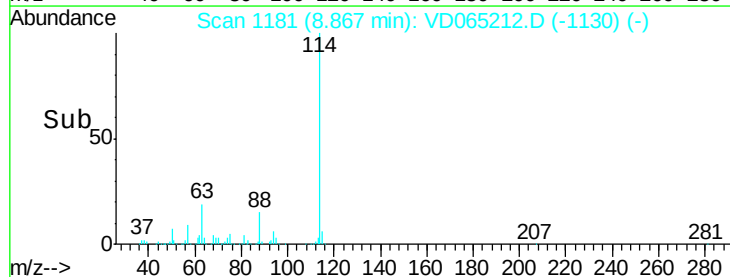
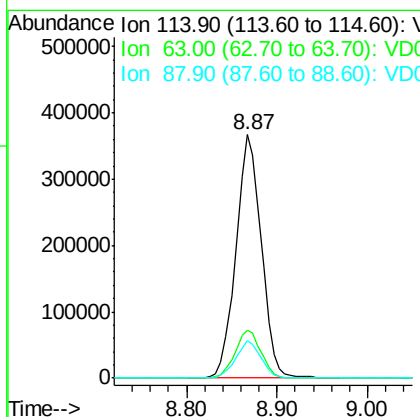
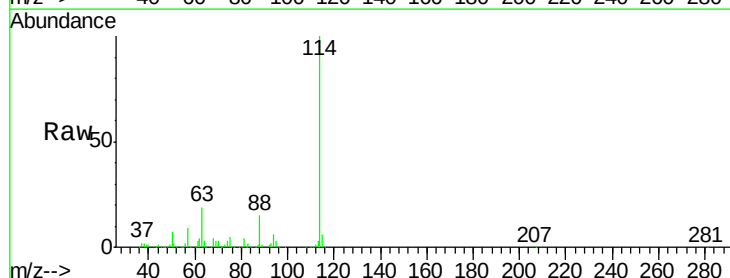
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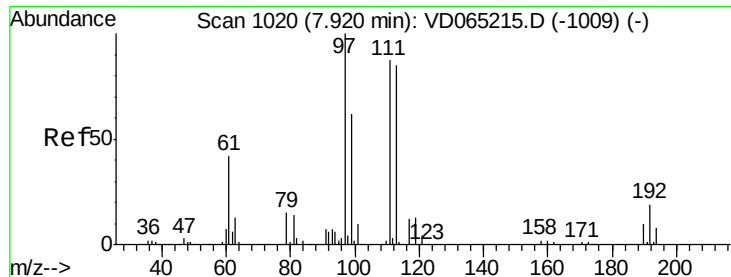
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.4
88	15.2	0.0	30.4





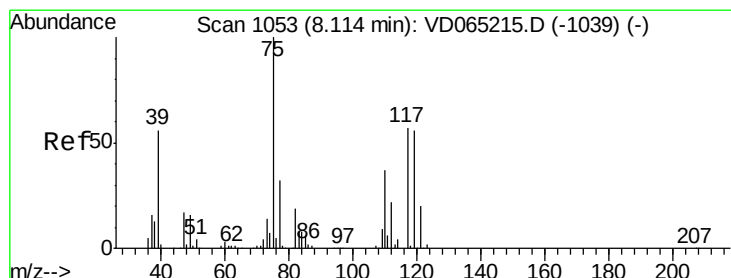
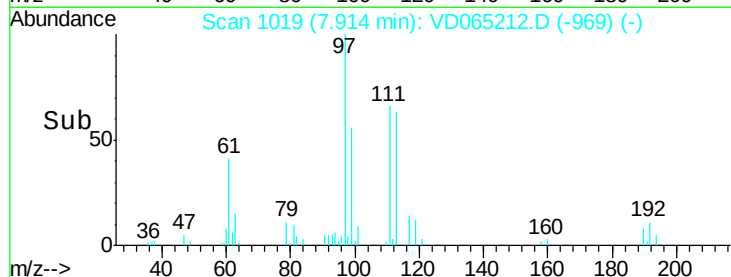
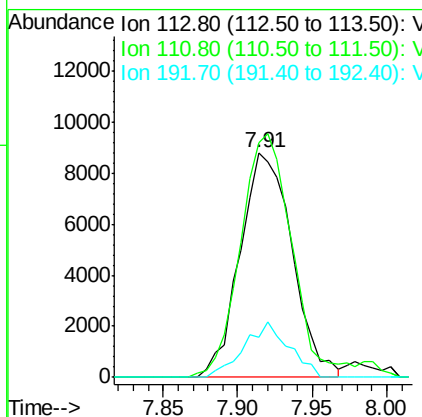
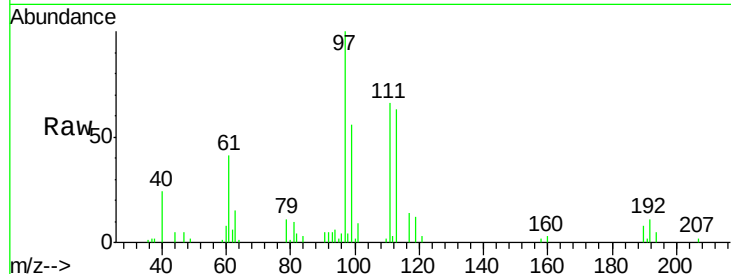
#35
 Dibromofluoromethane
 Concen: 4.896 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	21329		
111	107.2	82.9	124.3	
192	21.1	17.3	25.9	

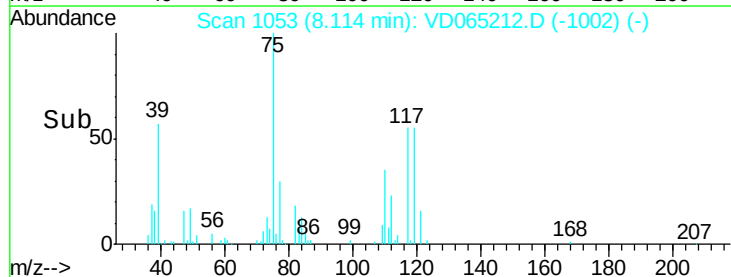
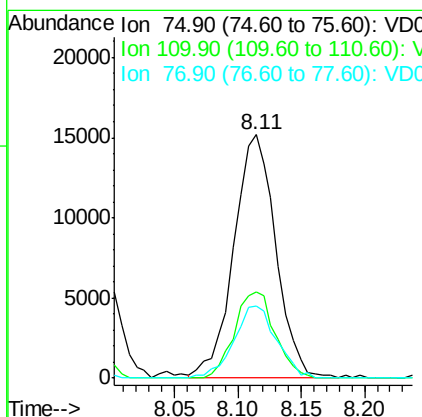
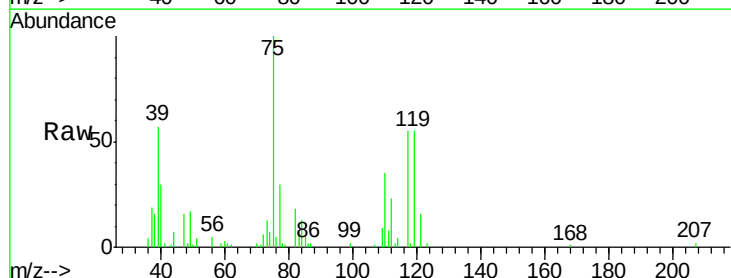
Manual Integrations
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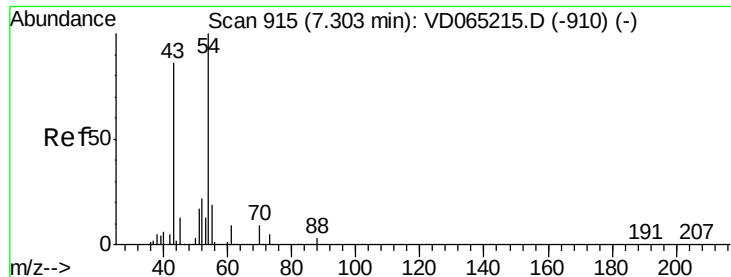
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 5.025 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34932		
110	34.1	17.9	53.7	
77	29.9	25.1	37.7	





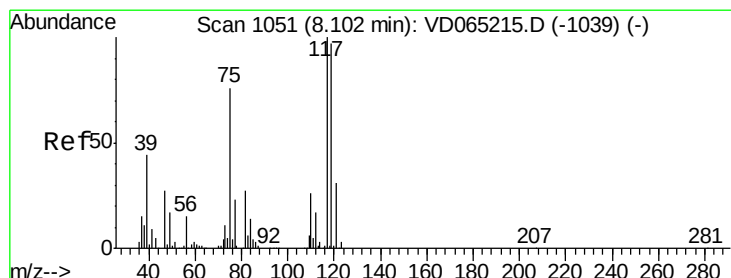
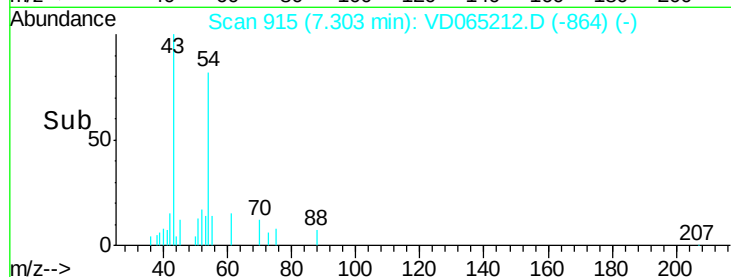
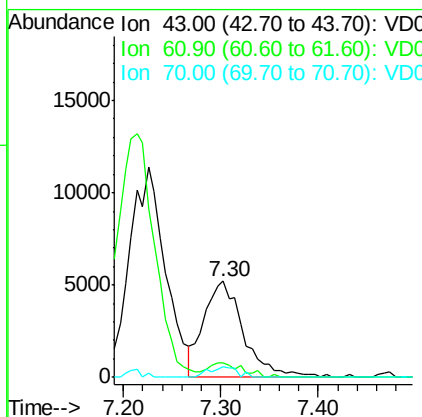
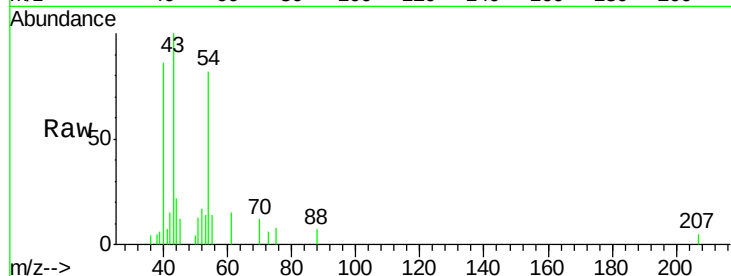
#37
Ethyl Acetate
Concen: 5.059 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.2	16.8
70	7.6	8.2	12.2

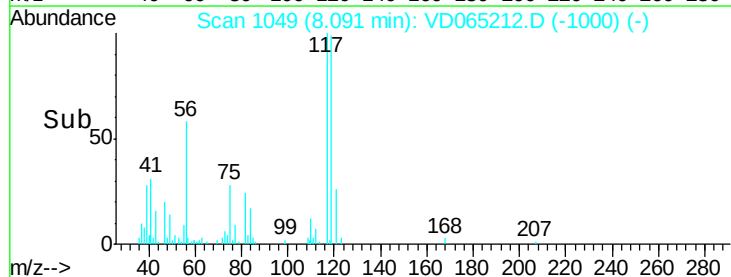
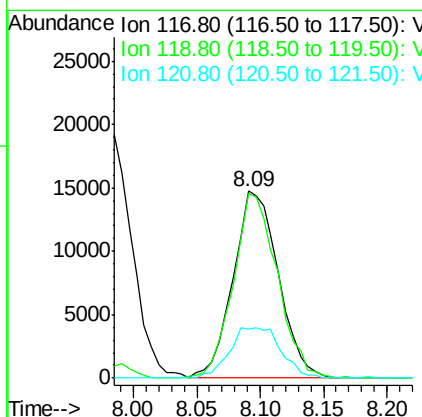
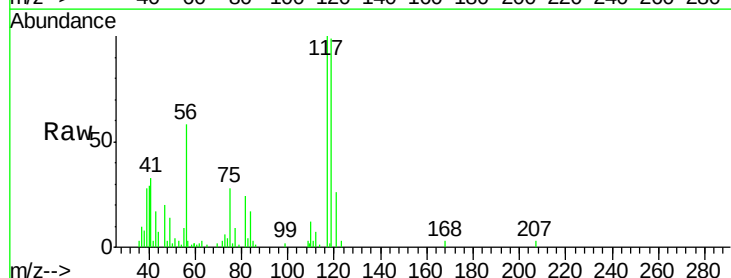
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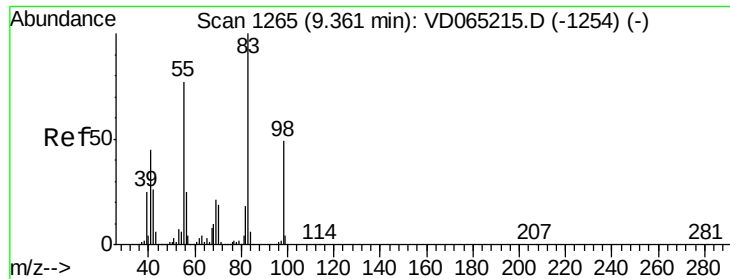
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#38
Carbon Tetrachloride
Concen: 5.169 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	77.6	116.4
121	26.4	24.8	37.2





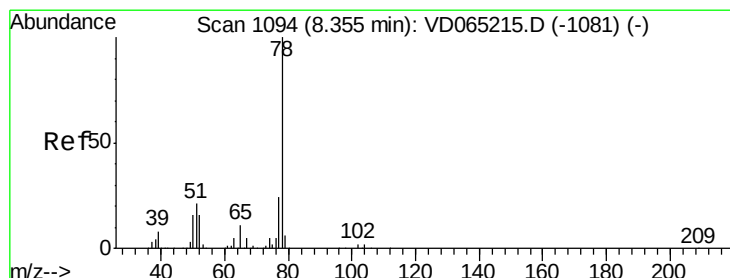
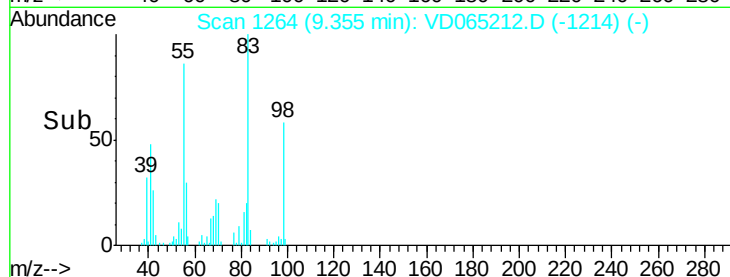
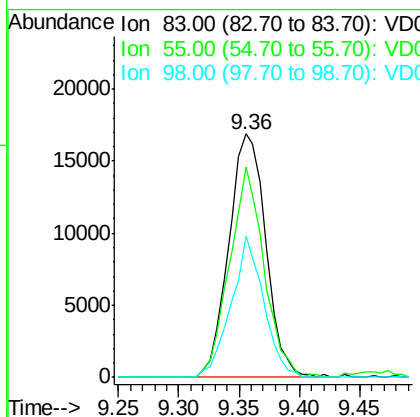
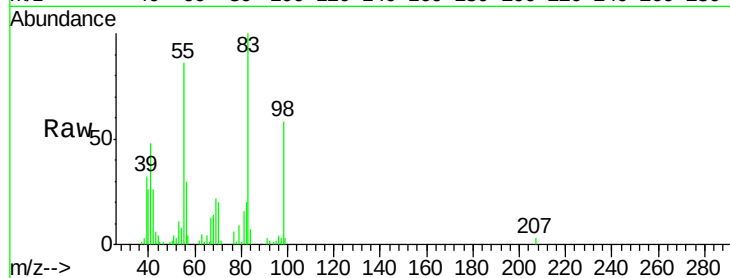
#39
Methylvlcyclohexane
Concen: 4.417 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.4	61.8	92.6
98	58.0	39.4	59.0

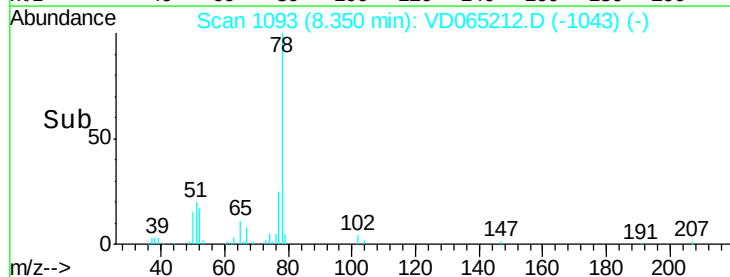
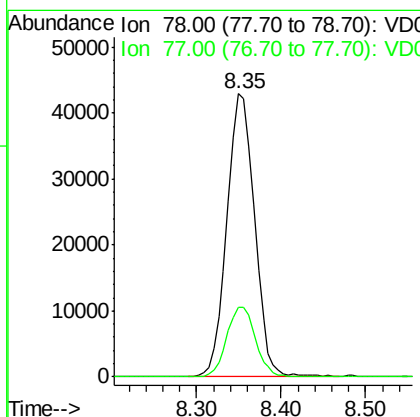
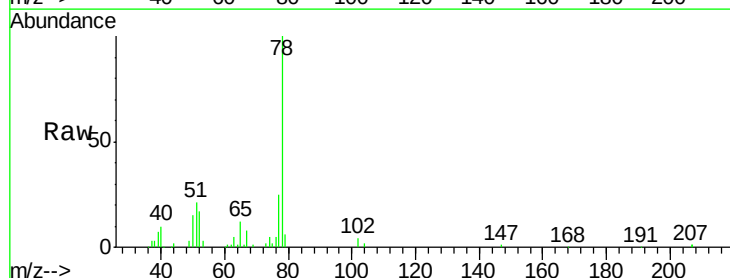
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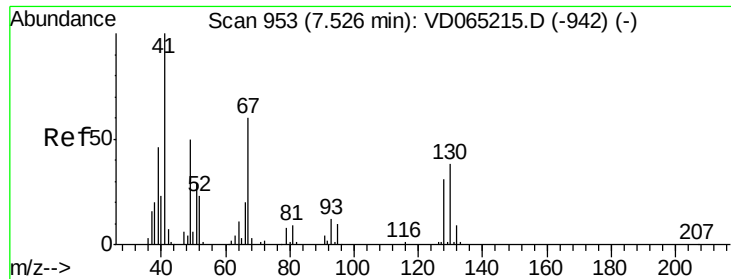
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#40
Benzene
Concen: 4.948 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6





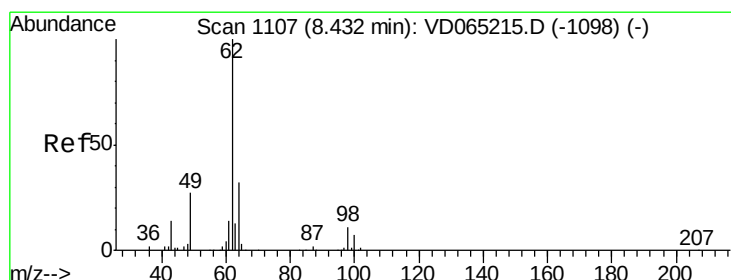
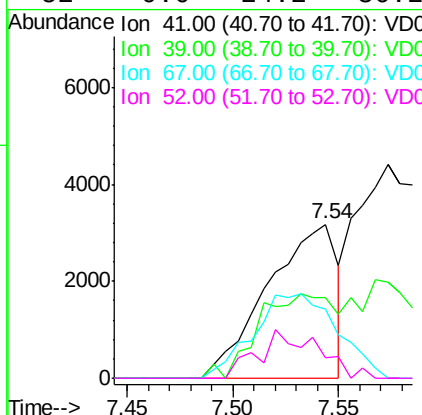
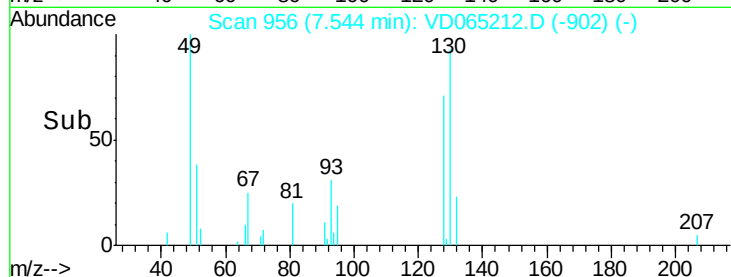
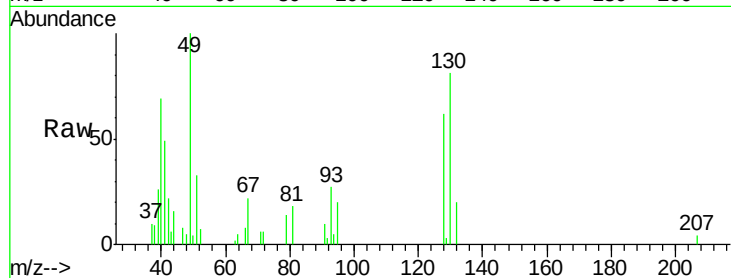
#41
Methacrylonitrile
Concen: 4.340 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.02 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.2	48.1	72.1
67	66.1	58.9	88.3
52	0.0	24.2	36.2#

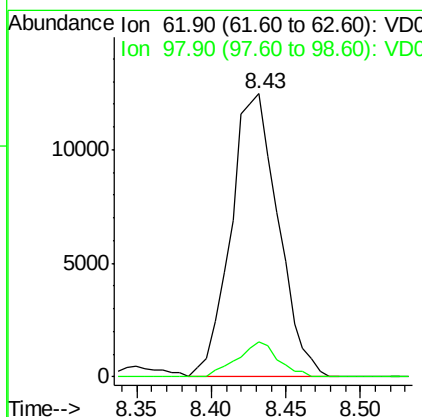
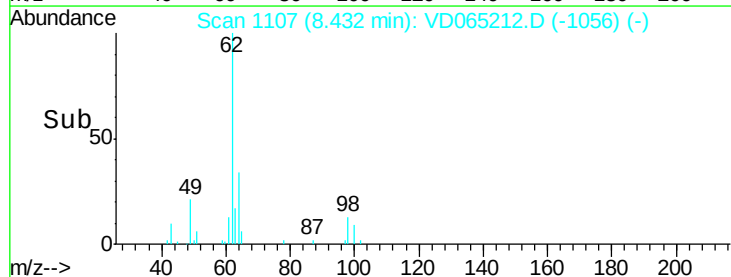
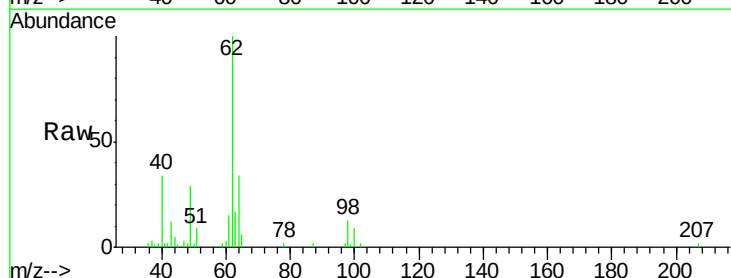
Manual Integrations
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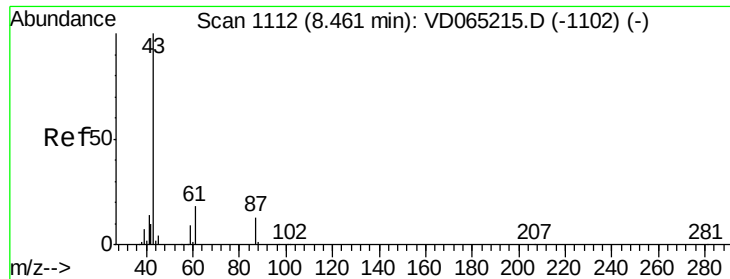
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2/19/2020 1:44:00 PM



#42
1,2-Dichloroethane
Concen: 5.092 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.6





#43

Isopropyl Acetate

Concen: 4.508 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

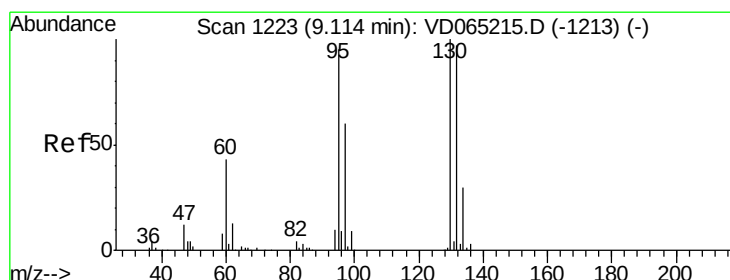
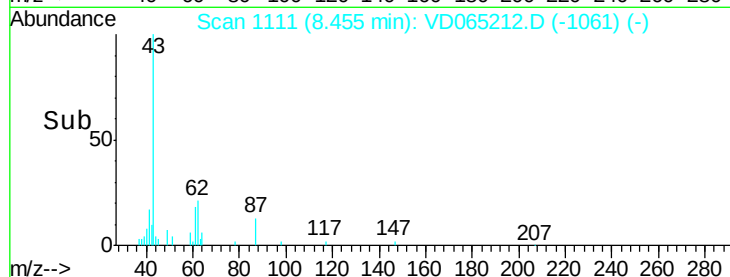
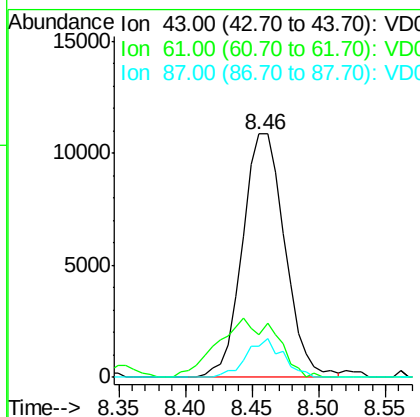
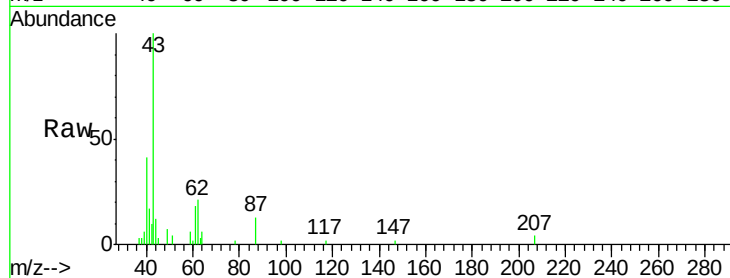
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	23822
Ion	Ratio	Lower	Upper
43	100		
61	33.9	24.6	36.8
87	13.7	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 5.117 ug/l

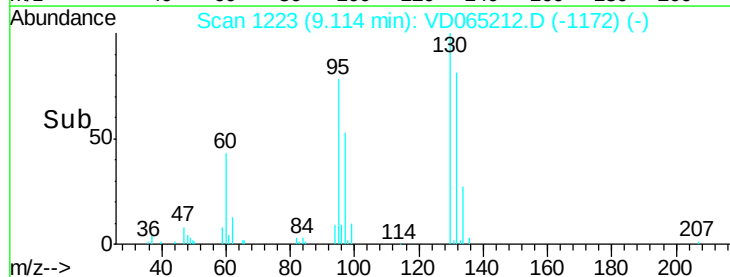
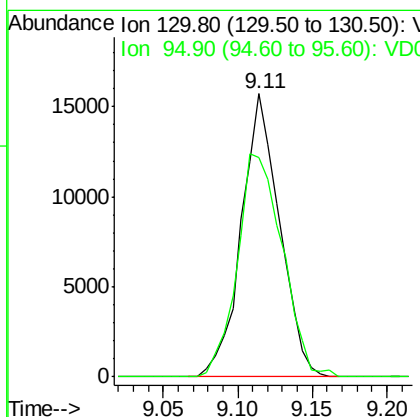
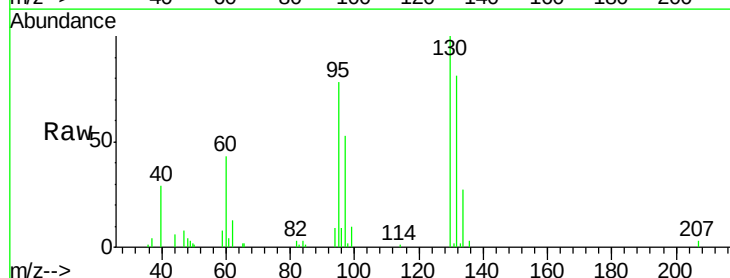
RT: 9.11 min Scan# 1223

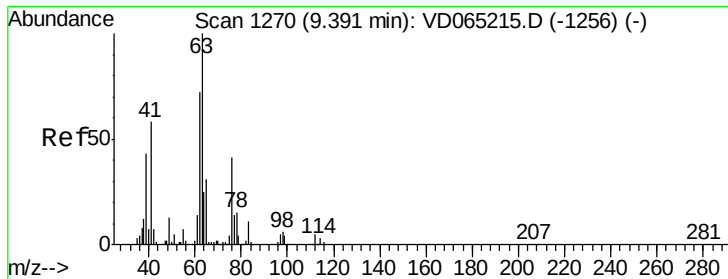
Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Tgt Ion:	130	Resp:	27832
Ion	Ratio	Lower	Upper
130	100		
95	77.7	0.0	190.6





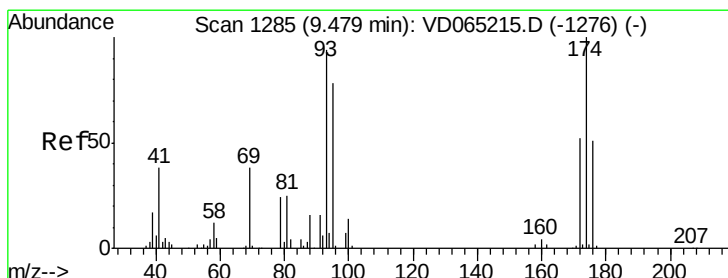
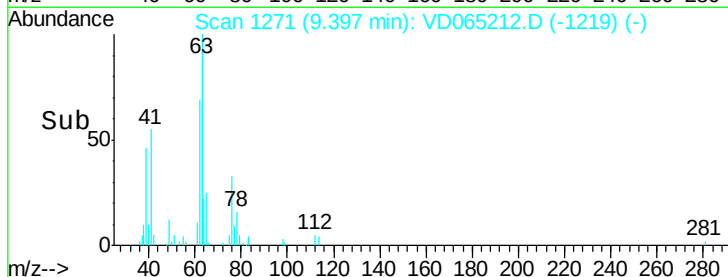
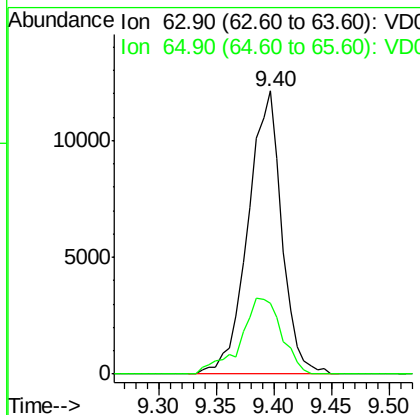
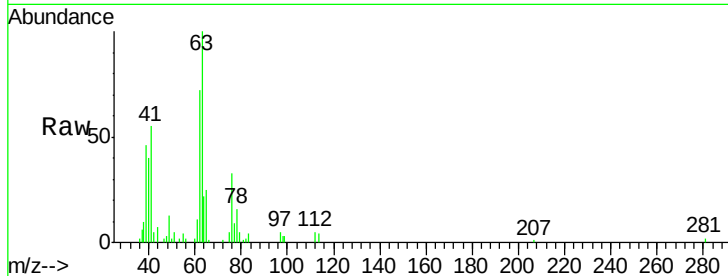
#45
 1,2-Dichloropropane
 Concen: 5.060 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	25.2	24.9	37.3

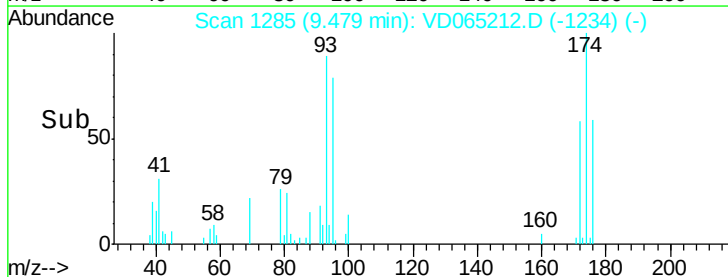
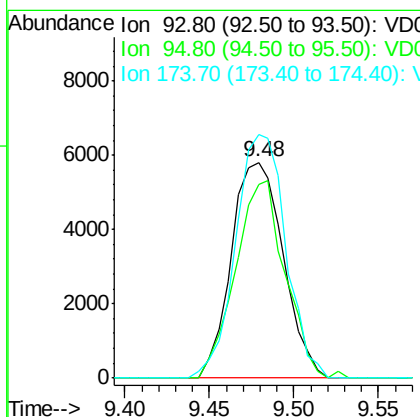
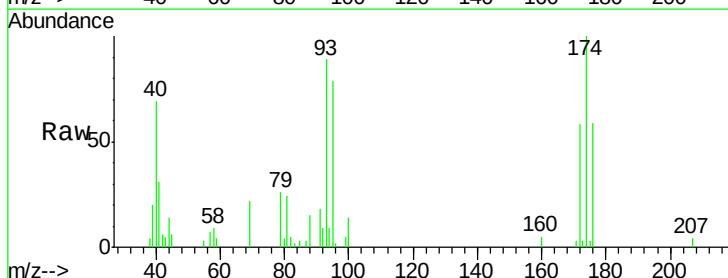
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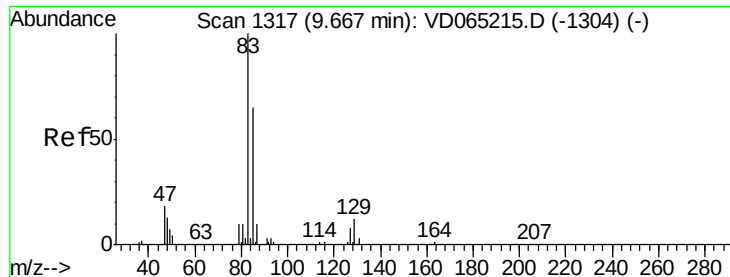
MMDadoda
 2/19/2020 1:44:00 PM



#46
 Dibromomethane
 Concen: 4.936 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	88.0	65.8	98.6
174	109.3	86.8	130.2





#47

Bromodichloromethane

Concen: 5.203 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

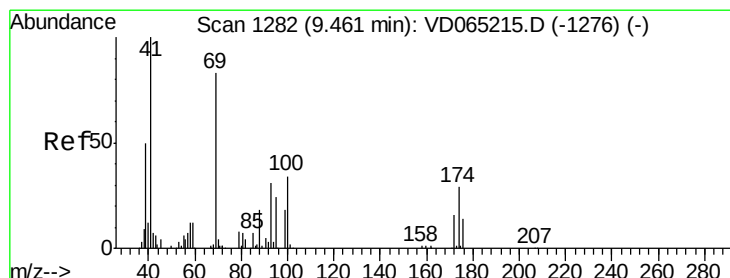
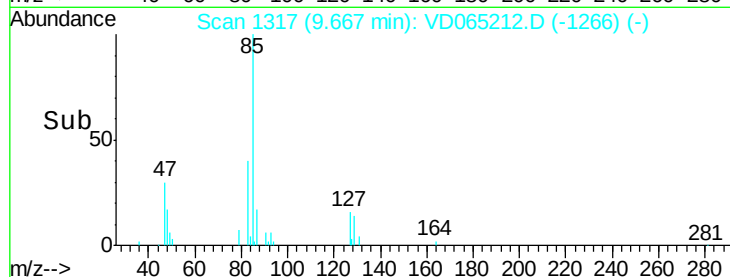
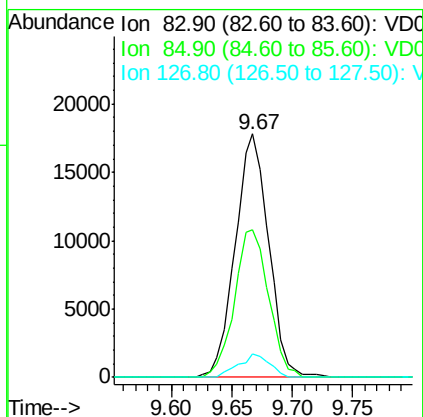
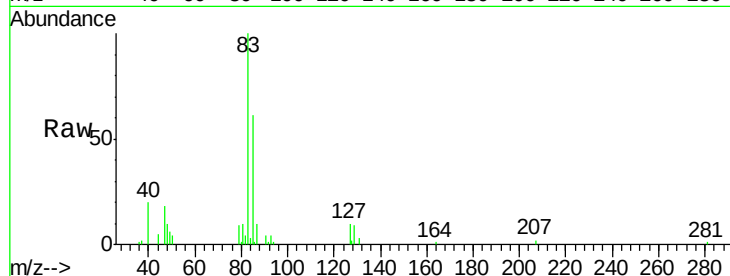
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	34422
Ion	Ratio	Lower	Upper
83	100		
85	60.6	52.0	78.0
127	9.8	6.7	10.1

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#48

Methyl methacrylate

Concen: 4.238 ug/l

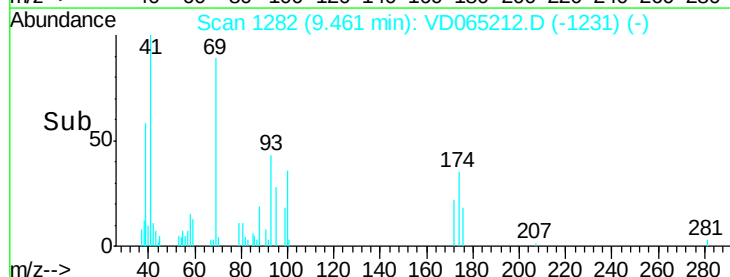
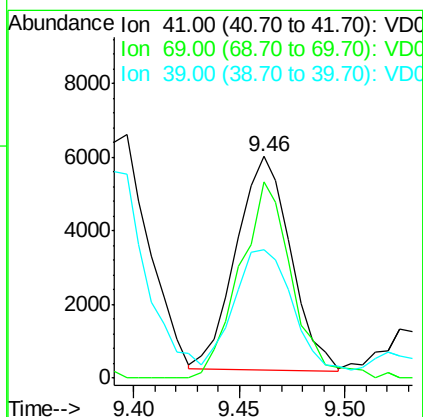
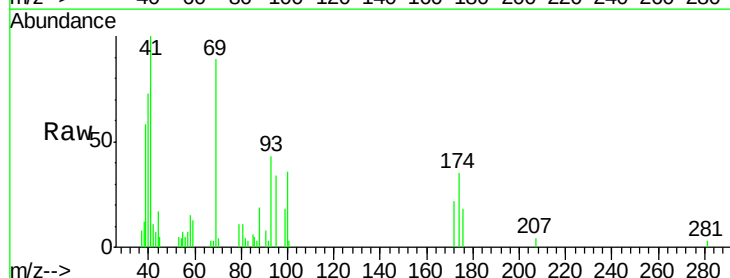
RT: 9.46 min Scan# 1282

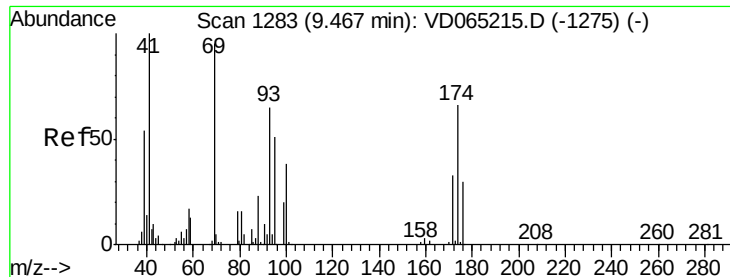
Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Tgt Ion:	41	Resp:	10351
Ion	Ratio	Lower	Upper
41	100		
69	89.4	68.2	102.2
39	59.8	42.0	63.0





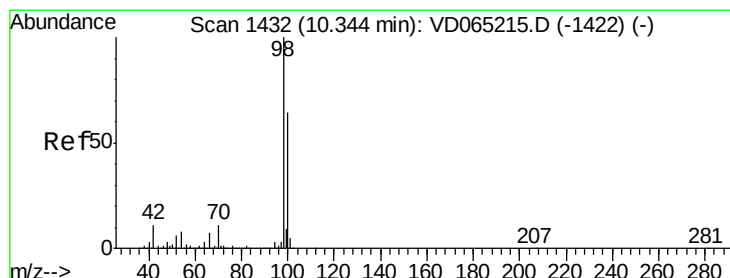
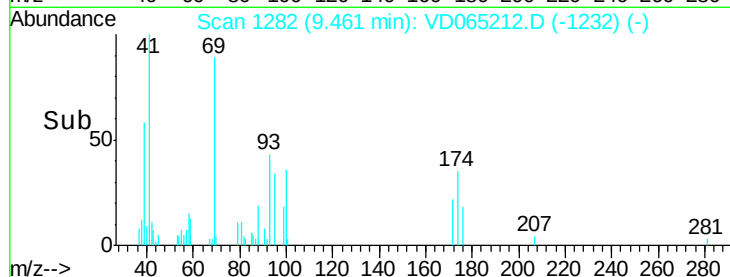
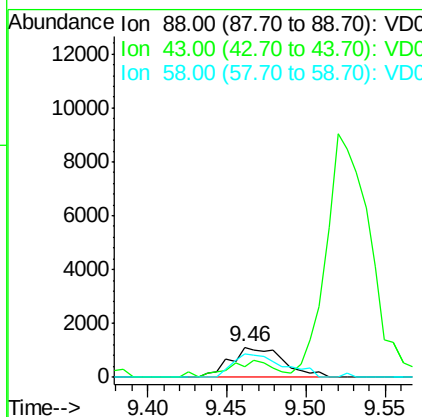
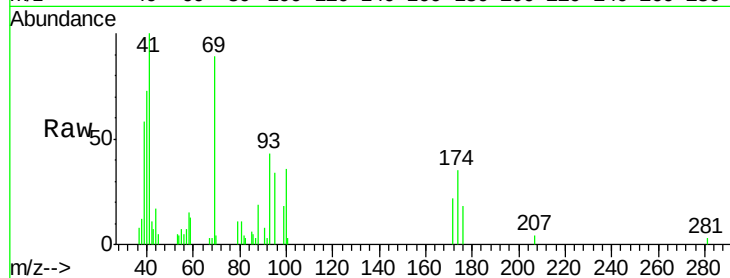
#49
1,4-Dioxane
Concen: 88.783 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.5	28.5	42.7#
58	73.0	58.6	87.8

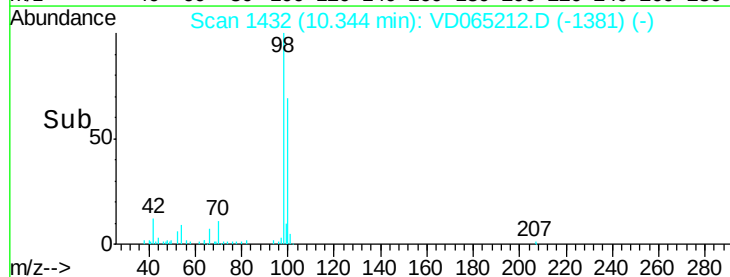
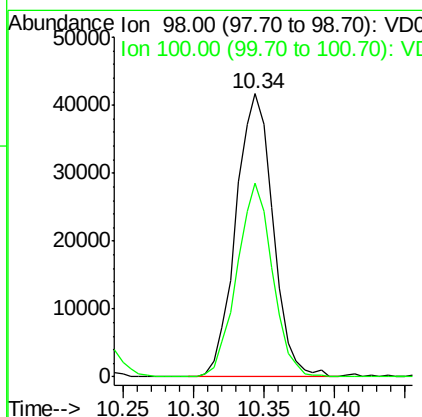
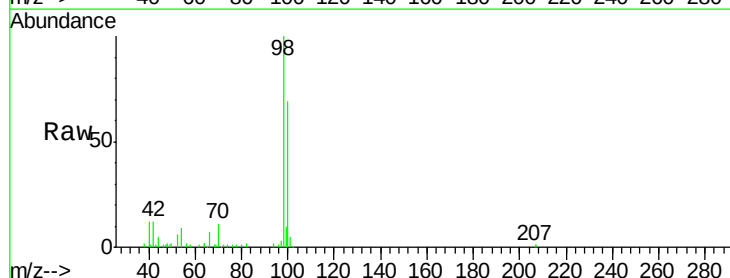
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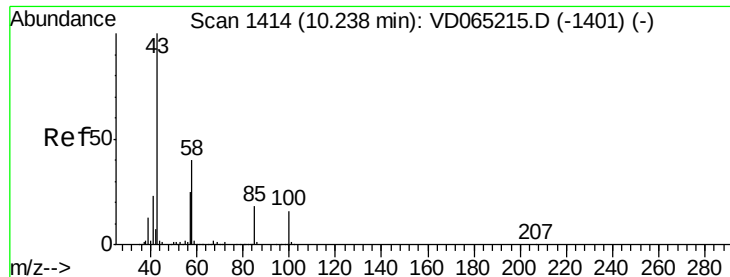
MMDadoda
2/19/2020 1:44:00 PM



#50
Toluene-d8
Concen: 4.598 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.0	78.0





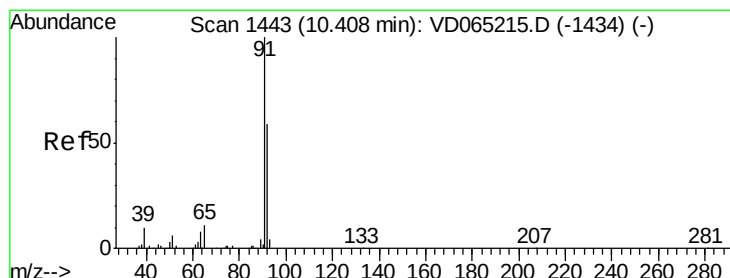
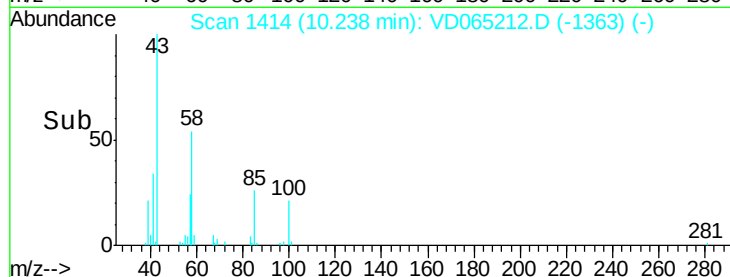
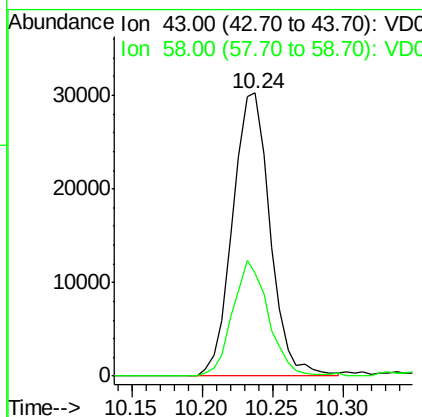
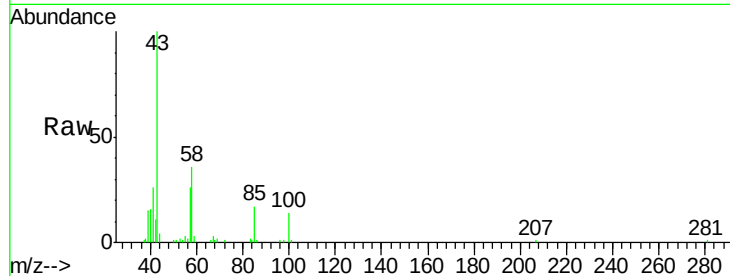
#51
4-Methyl-2-Pentanone
Concen: 20.927 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	56170
Ion Ratio	100	Lower	Upper
43	100		
58	39.0	31.1	46.7

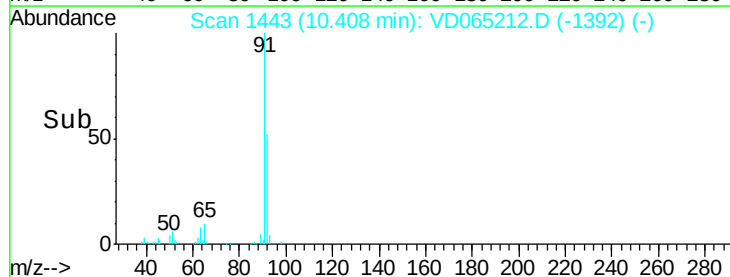
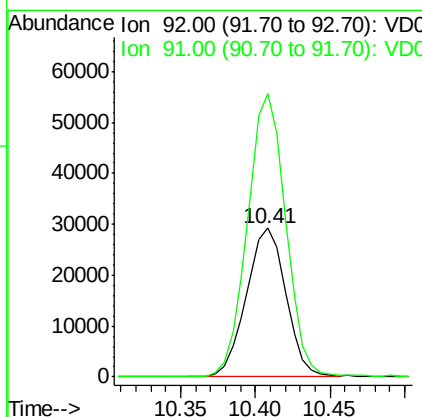
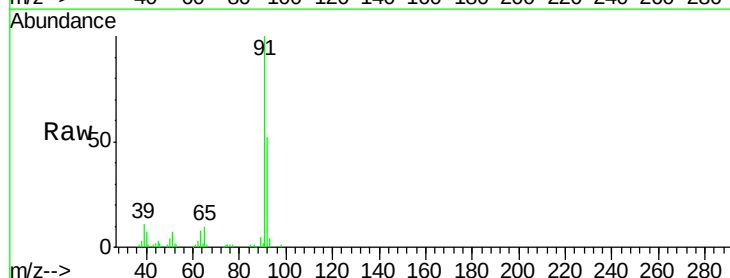
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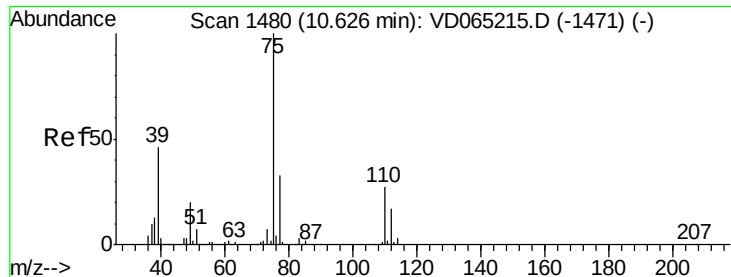
MMDadoda
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#52
Toluene
Concen: 4.400 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	92	Resp	53445
Ion Ratio	100	Lower	Upper
92	100		
91	184.6	136.3	204.5





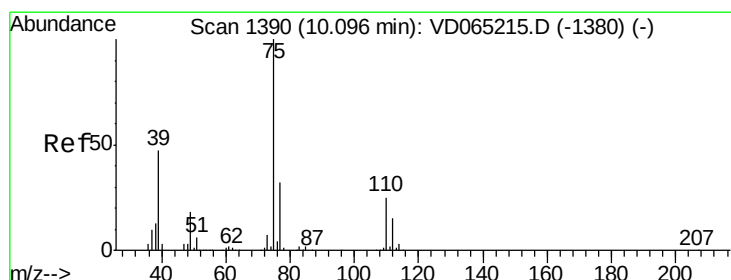
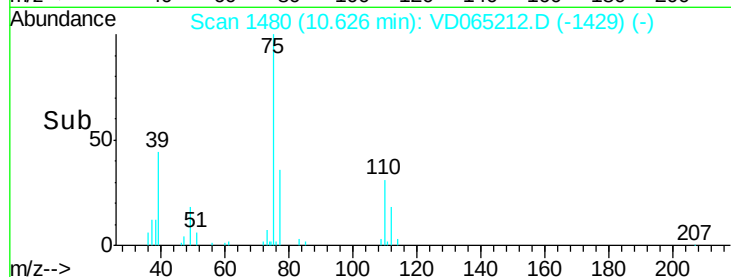
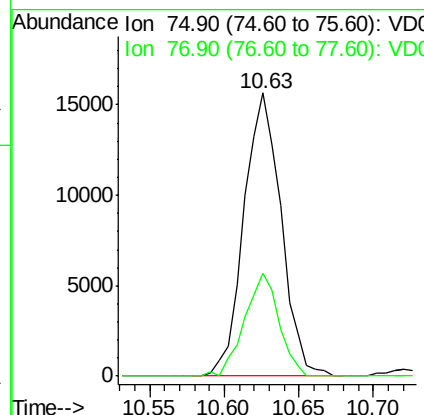
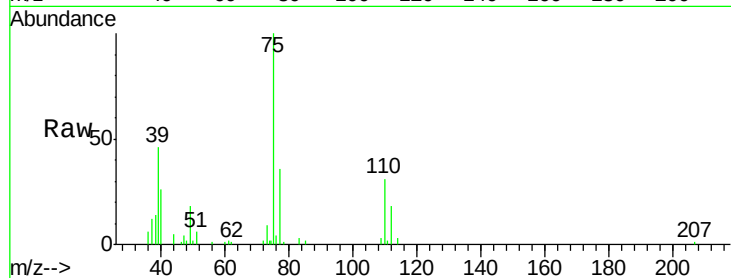
#53
t-1,3-Dichloropropene
Concen: 4.410 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	36.5	26.6	40.0

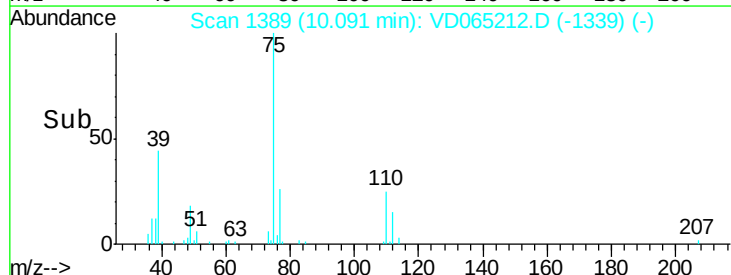
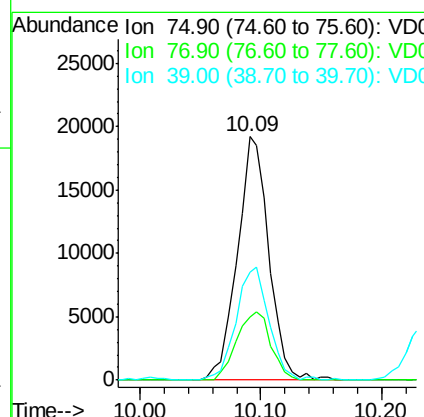
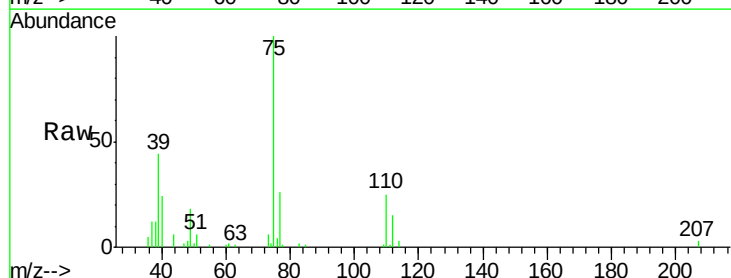
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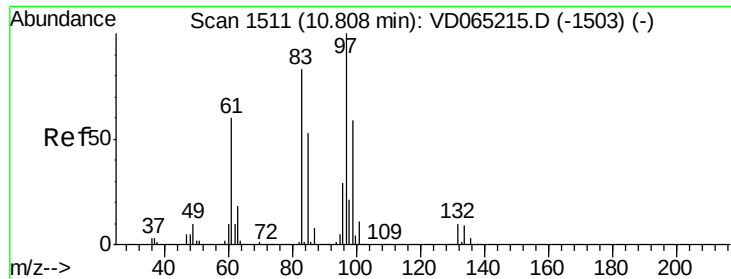
MMDadoda
2/19/2020 1:44:00 PM



#54
cis-1,3-Dichloropropene
Concen: 4.695 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	25.7	25.8	38.8#
39	44.4	37.3	55.9





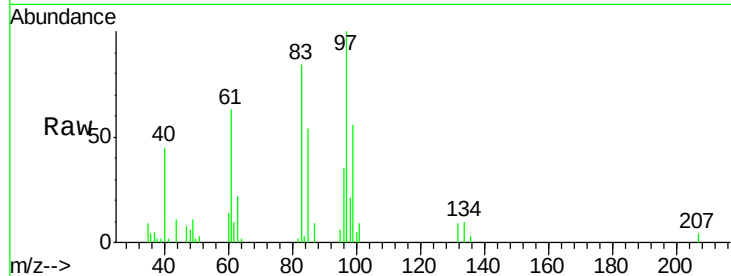
#55
 1,1,2-Trichloroethane
 Concen: 5.132 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

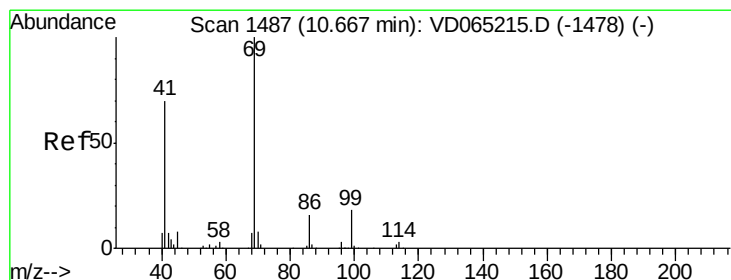
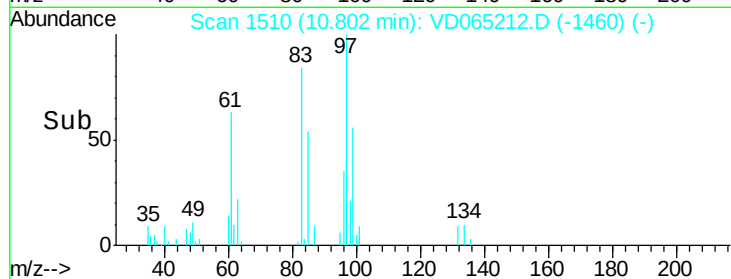
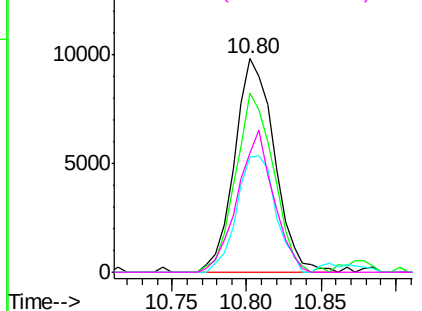
Tot Ion:	97	Resp:	18132
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.7	100.1
85	54.0	42.4	63.6
99	55.9	47.5	71.3

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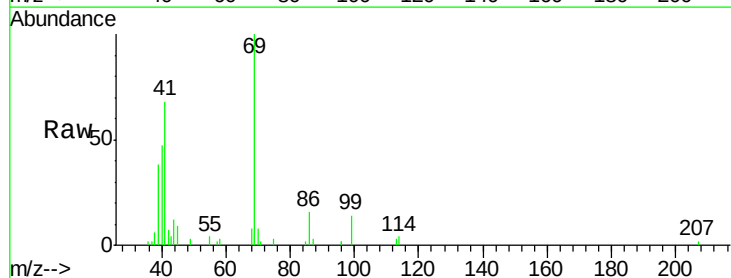


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

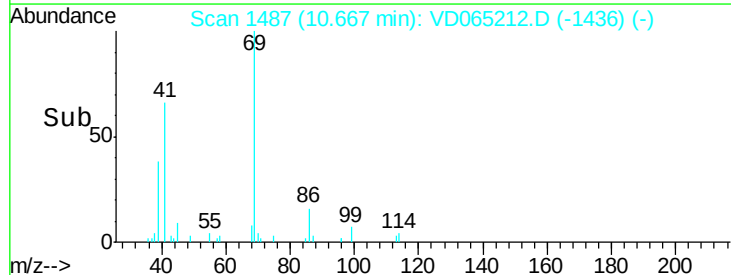
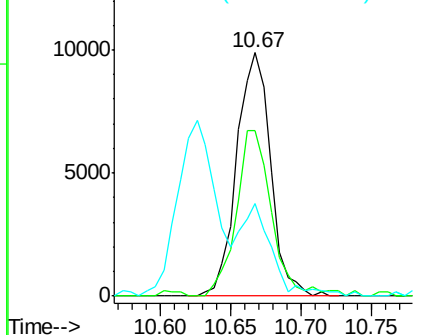


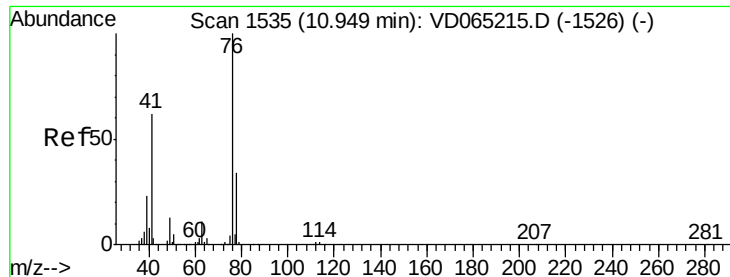
#56
 Ethyl methacrylate
 Concen: 4.068 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion:	69	Resp:	16590
Ion	Ratio	Lower	Upper
69	100		
41	71.8	54.6	81.8
39	36.2	26.5	39.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





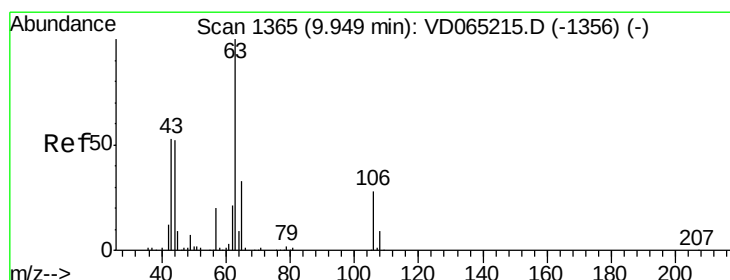
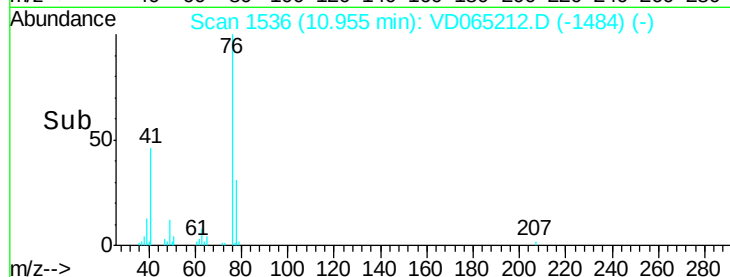
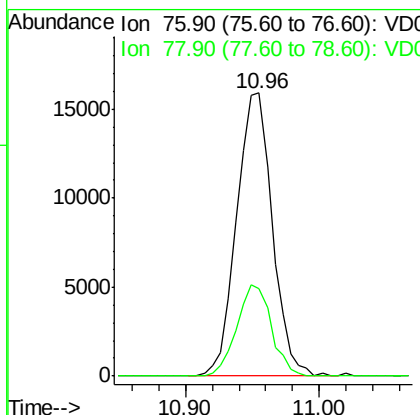
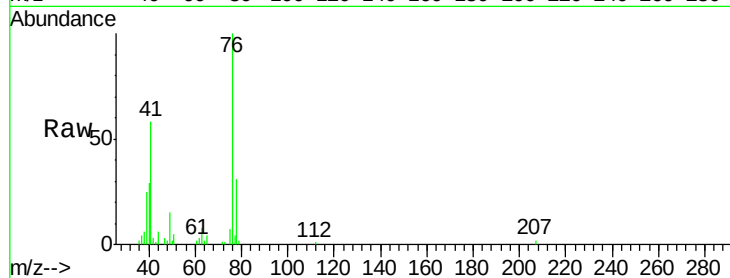
#57
 1,3-Dichloropropane
 Concen: 4.899 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	26.3	39.5

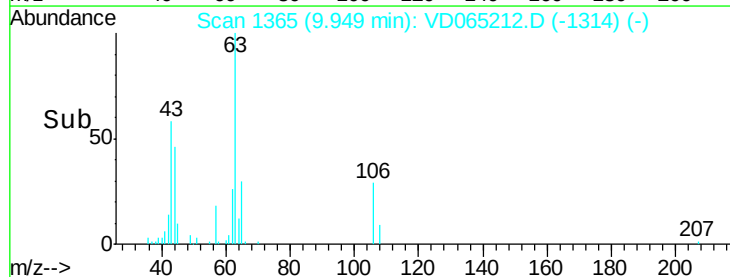
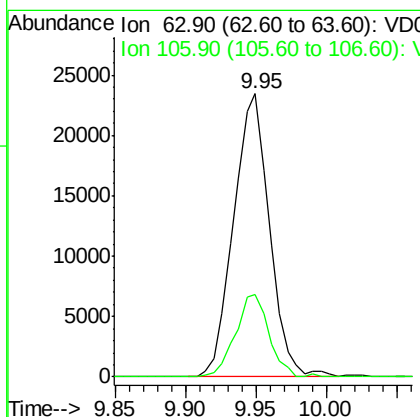
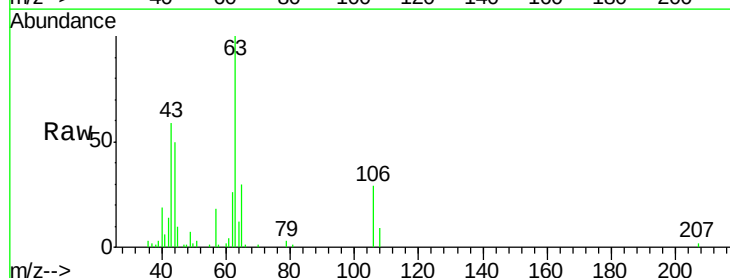
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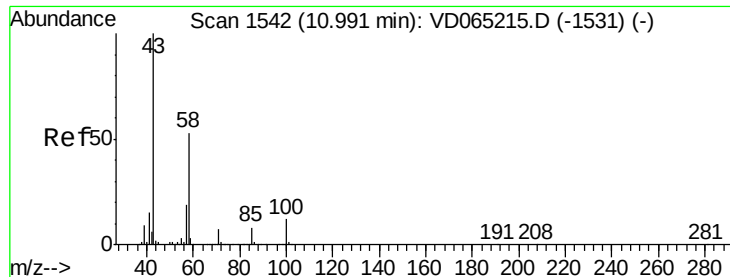
MMDadoda
 2/19/2020 1:44:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 32.316 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	22.8	34.2





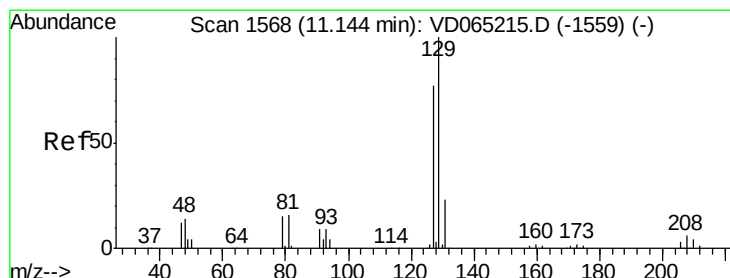
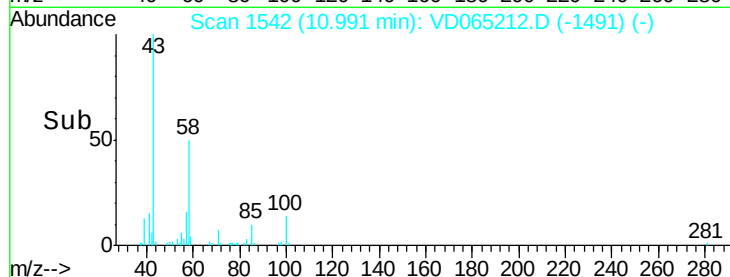
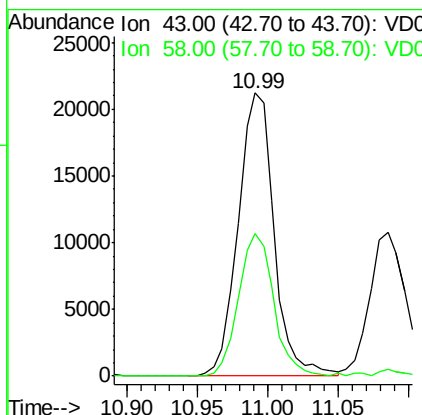
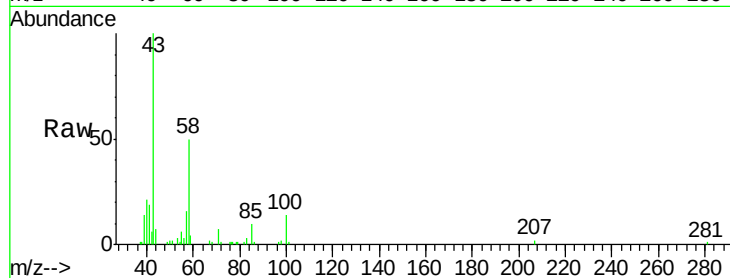
#59
2-Hexanone
Concen: 19.677 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 37808
Ion Ratio Lower Upper
43 100
58 49.3 26.3 78.8

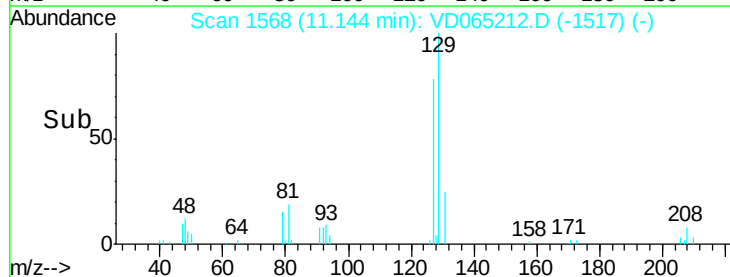
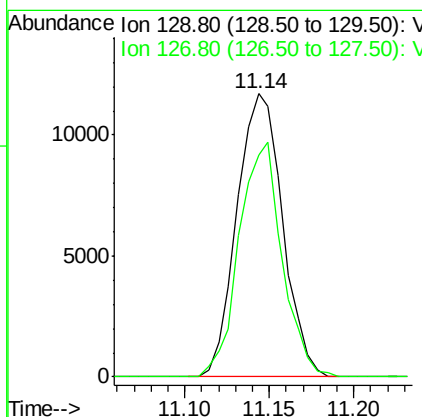
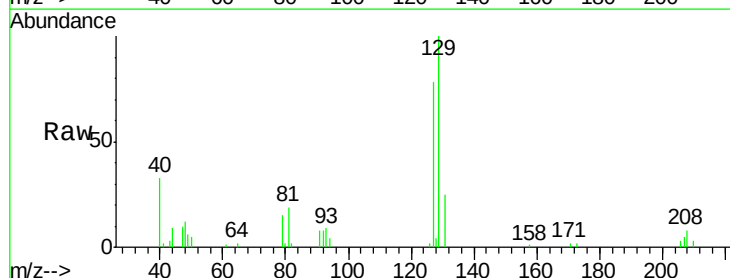
Manual Integrations
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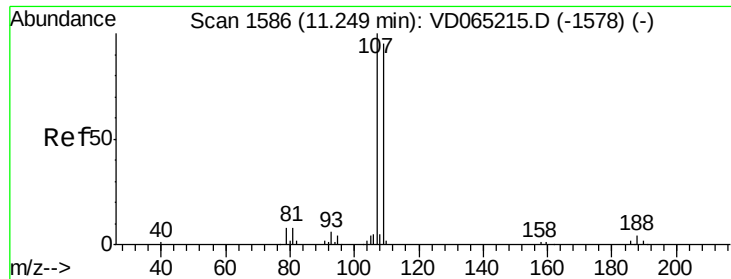
MMDadoda
2/19/2020 1:44:00 PM



#60
Dibromochloromethane
Concen: 4.877 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion: 129 Resp: 22054
Ion Ratio Lower Upper
129 100
127 77.8 38.7 116.1





#61

1,2-Dibromoethane

Concen: 4.890 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 16360

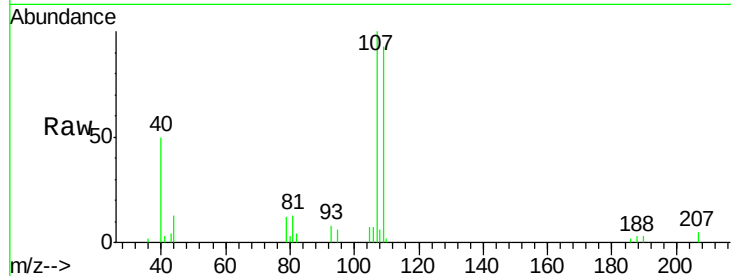
Ion Ratio Lower Upper

107 100

109 96.0 76.2 114.4

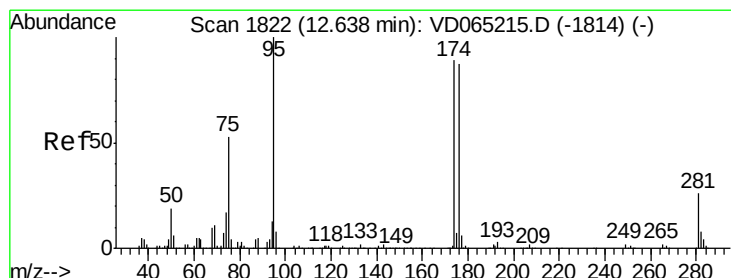
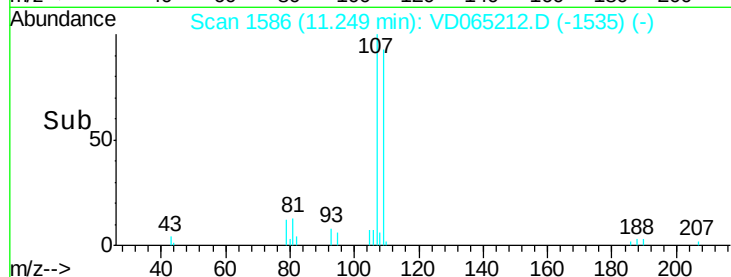
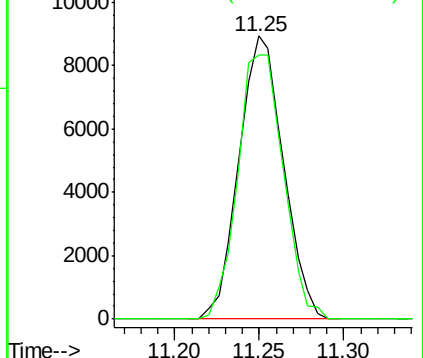
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.733 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

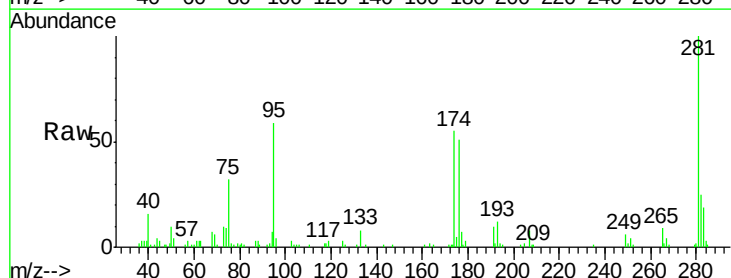
Tgt Ion: 95 Resp: 24972

Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.0

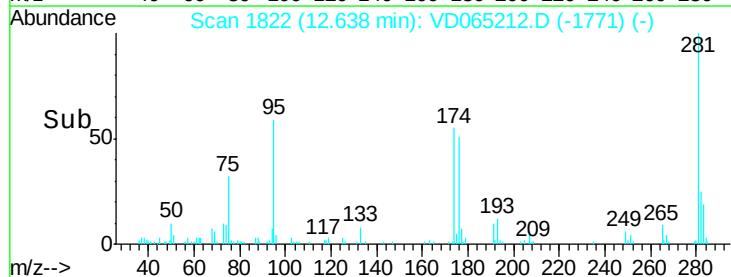
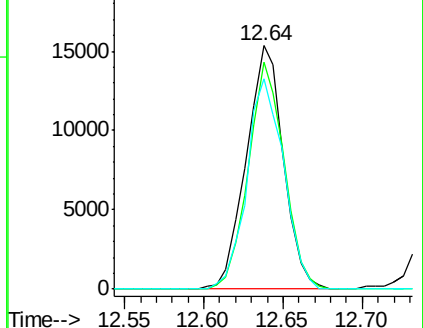
176 86.0 0.0 174.4

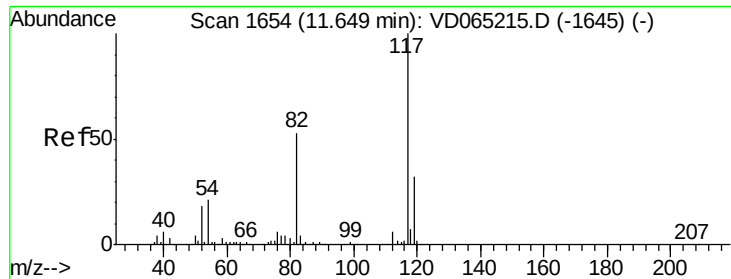


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





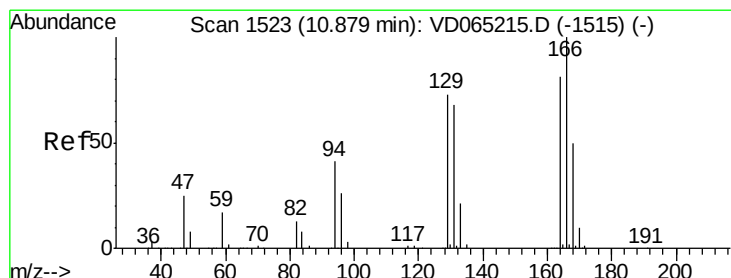
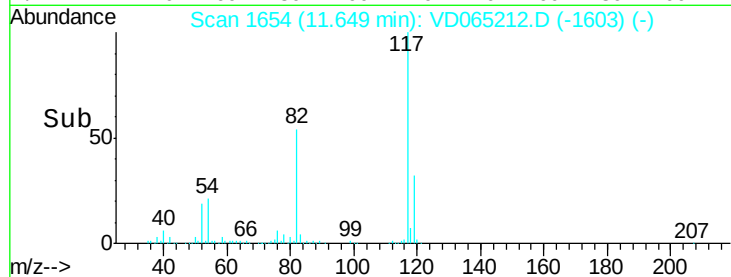
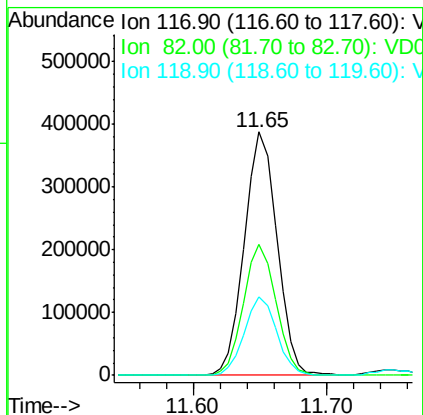
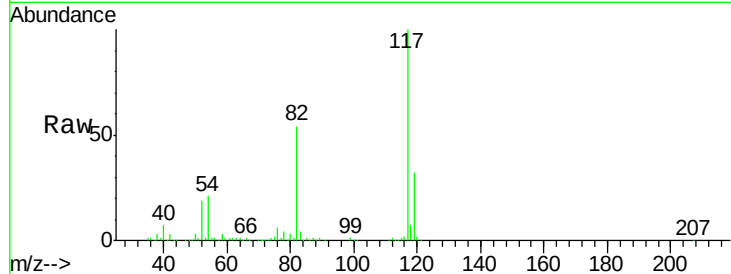
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.7	64.1
119	32.2	25.5	38.3

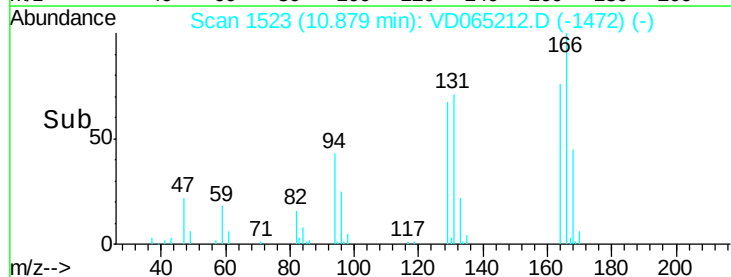
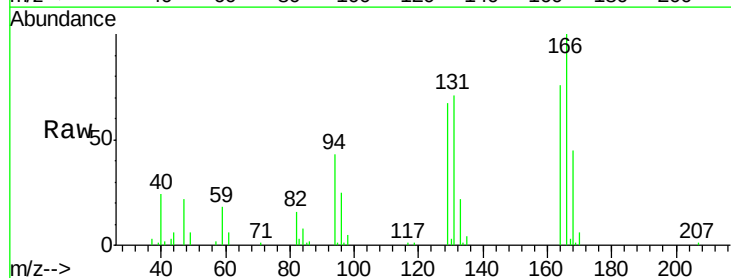
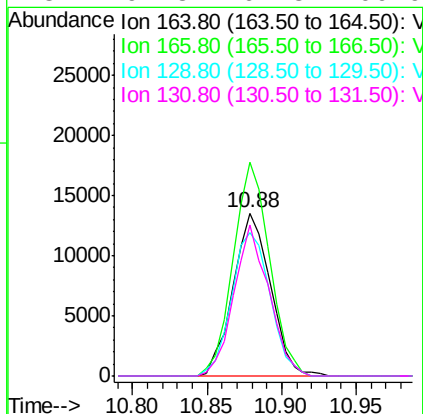
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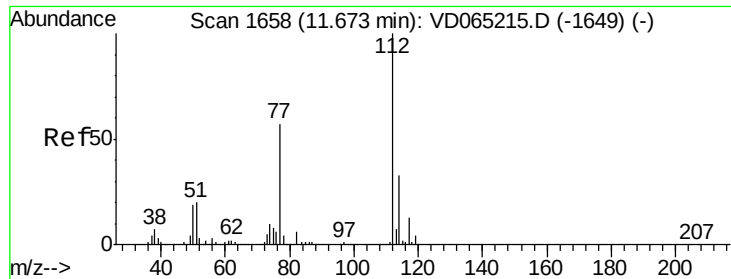
MMDadoda
2/19/2020 1:44:00 PM



#64
Tetrachloroethene
Concen: 5.072 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	98.4	147.6
129	88.0	71.6	107.4
131	92.8	67.3	100.9





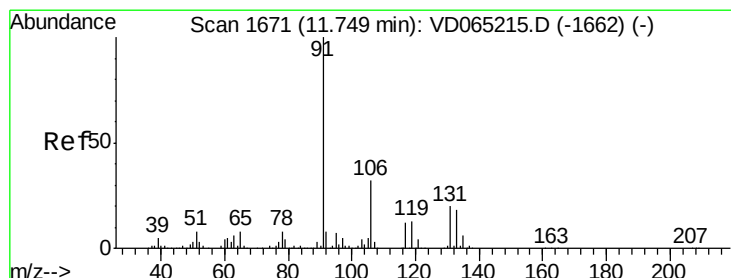
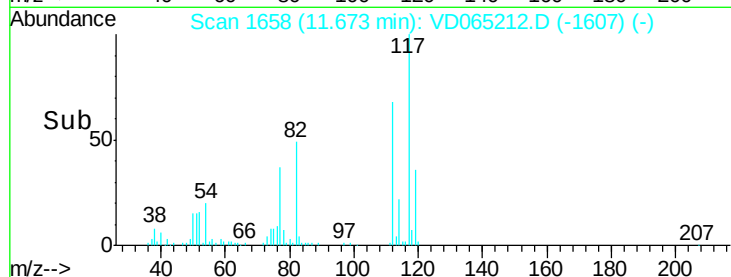
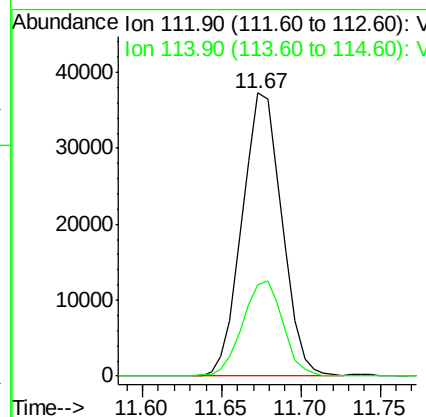
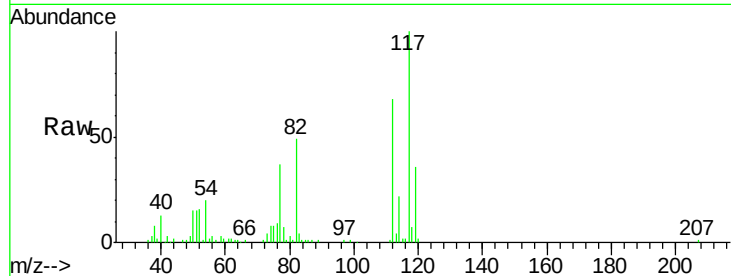
#65
Chlorobenzene
Concen: 4.954 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.4	39.6

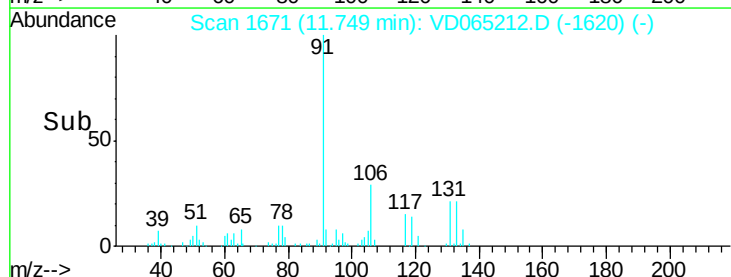
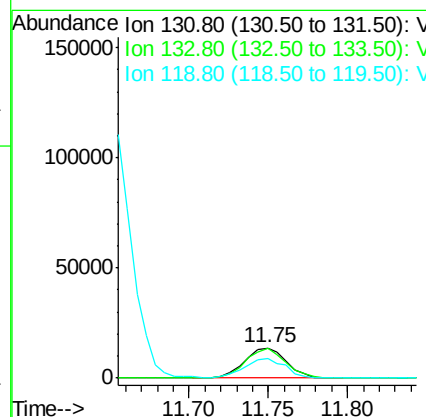
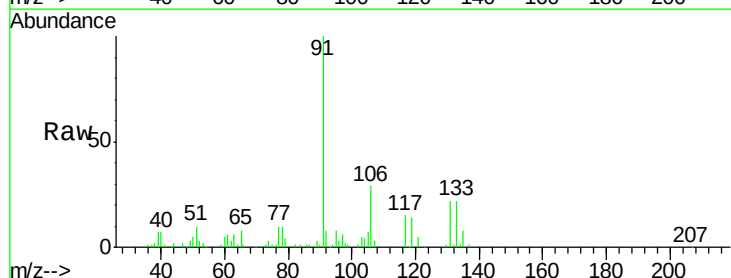
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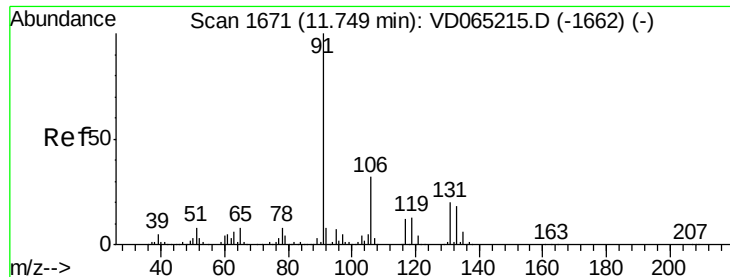
MMDadoda
2/19/2020 1:44:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.055 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.7	143.1
119	63.9	32.7	98.1





#67

Ethyl Benzene

Concen: 4.542 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 104991

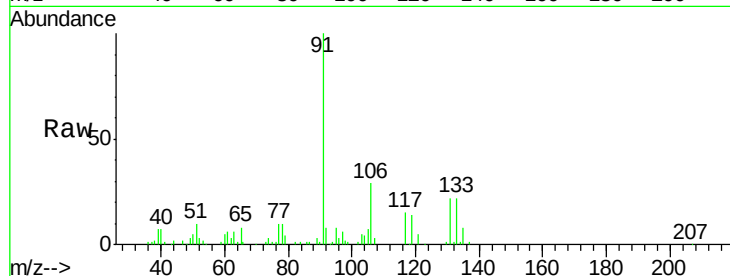
Ion Ratio Lower Upper

91 100

106 29.0 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:44:00 PM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

80000

60000

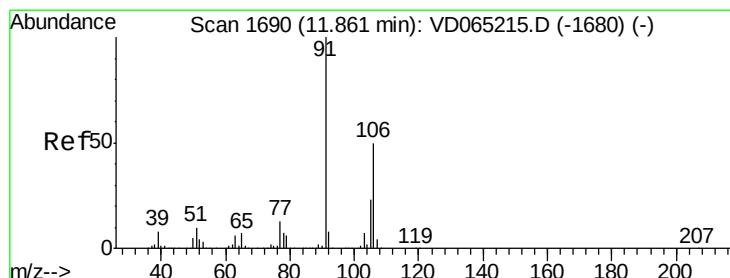
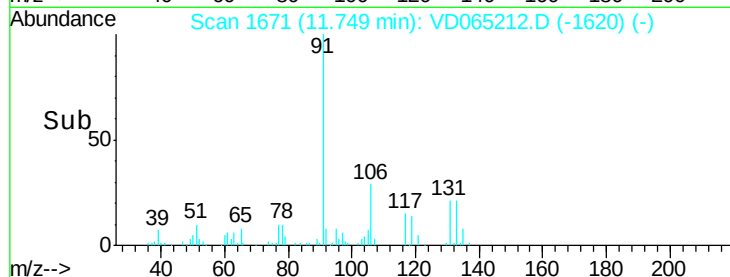
40000

20000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 8.811 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065212.D

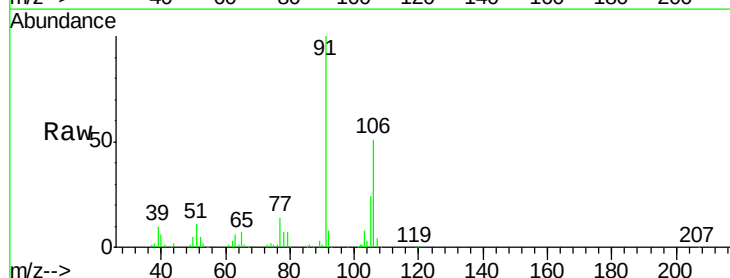
Acq: 18 Feb 2020 10:34

Tgt Ion: 106 Resp: 77923

Ion Ratio Lower Upper

106 100

91 200.5 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

80000

60000

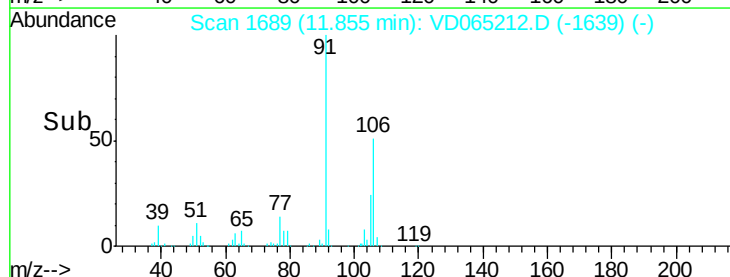
40000

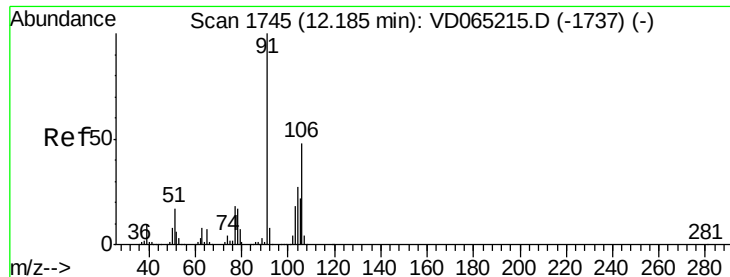
20000

0

11.80 11.86 11.90

Time-->





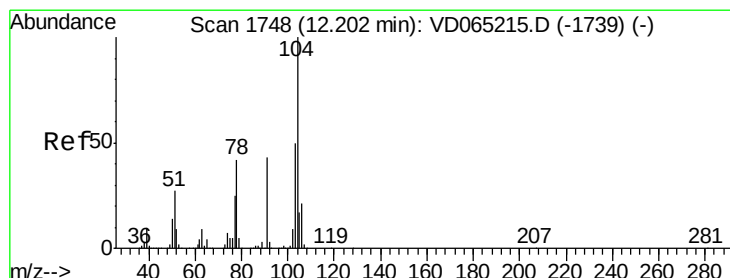
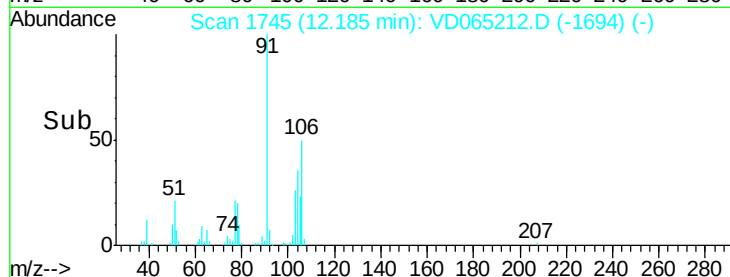
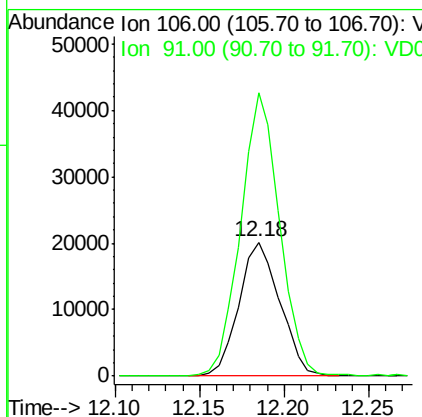
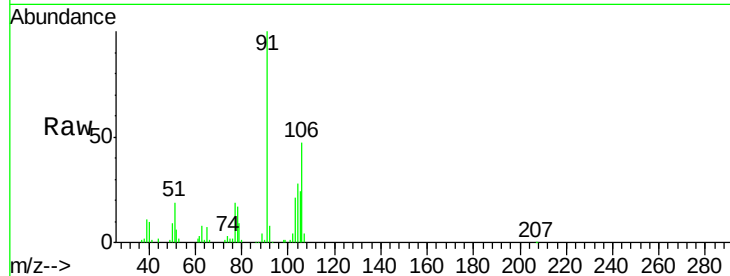
#69
o-Xylene
Concen: 4.342 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.7	104.7	313.9	

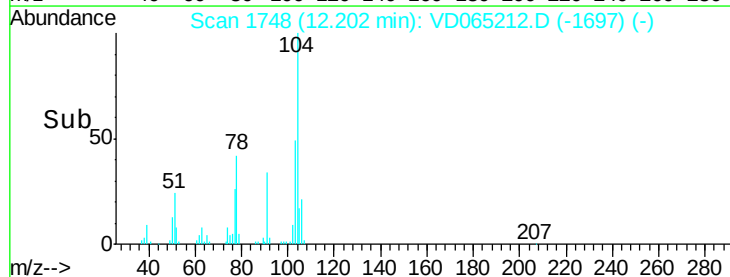
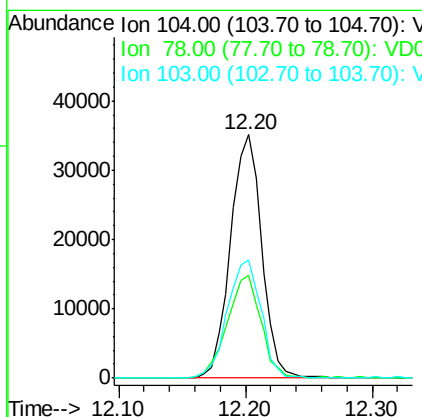
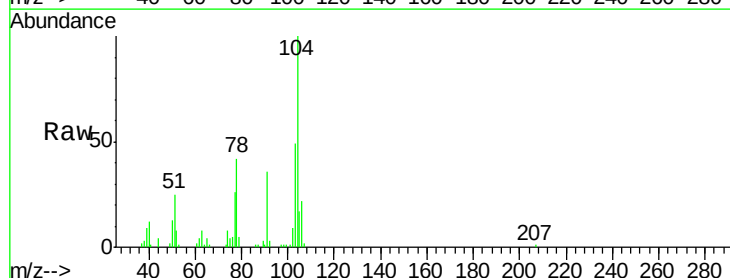
Manual Integrations
APPROVED

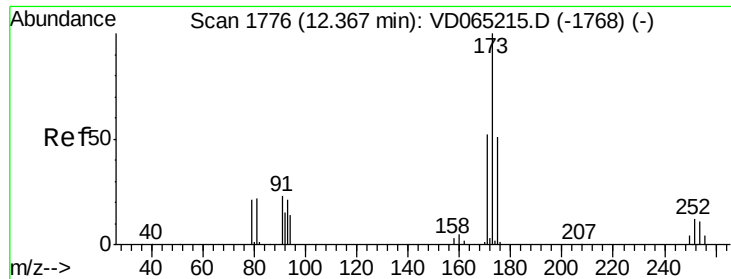
MMDadoda
2/19/2020 1:44:00 PM



#70
Styrene
Concen: 4.292 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	45.4	37.8	56.6	
103	52.5	43.4	65.2	





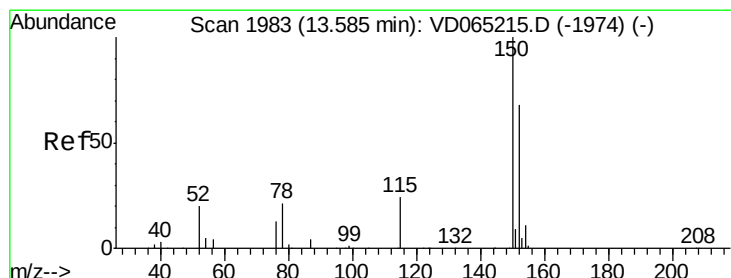
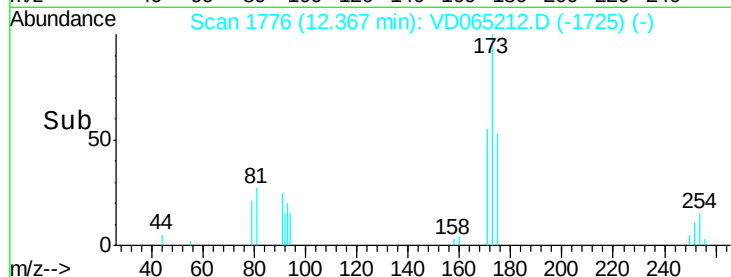
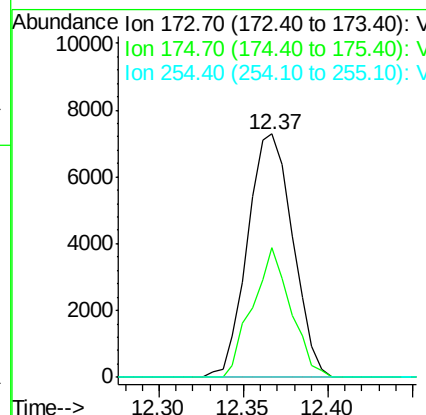
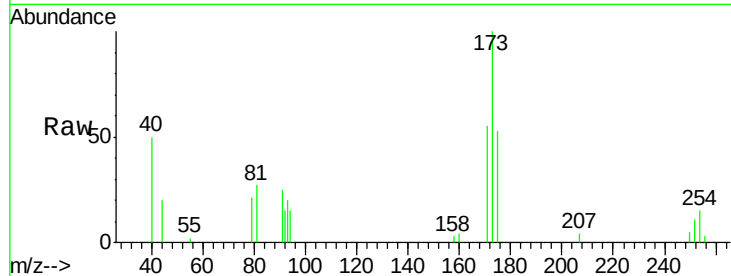
#71
Bromoform
Concen: 4.958 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.6	24.4	73.4
254	0.0	0.0	0.0

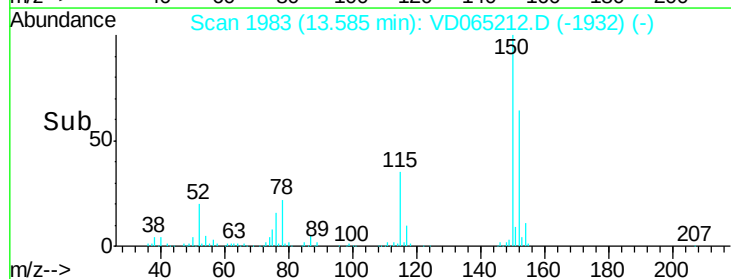
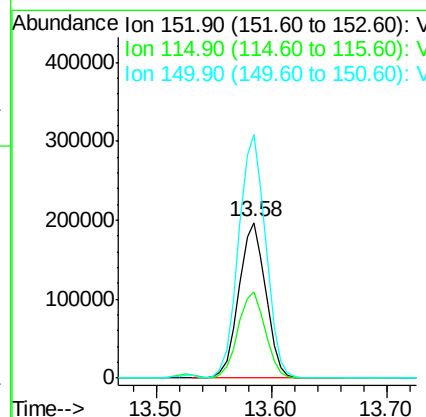
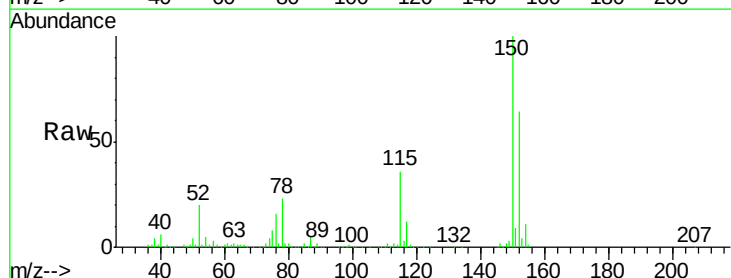
Manual Integrations
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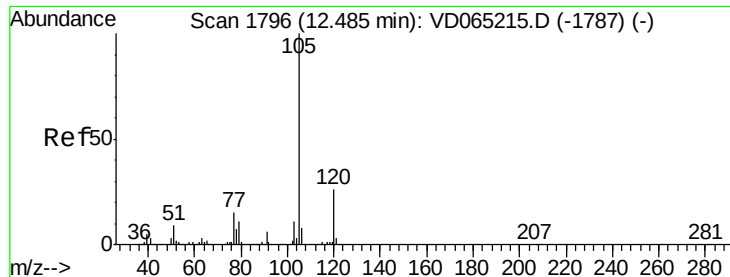
MMDadoda
2/19/2020 1:44:00 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.6	82.8
150	158.4	0.0	347.4





#73

Isopropylbenzene

Concen: 4.149 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 86838

Ion Ratio Lower Upper

105 100

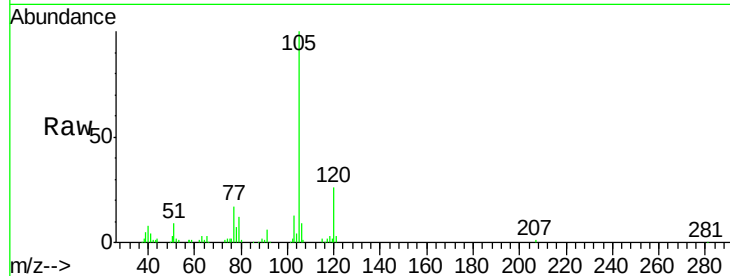
120 28.1 13.3 39.9

Manual Integrations

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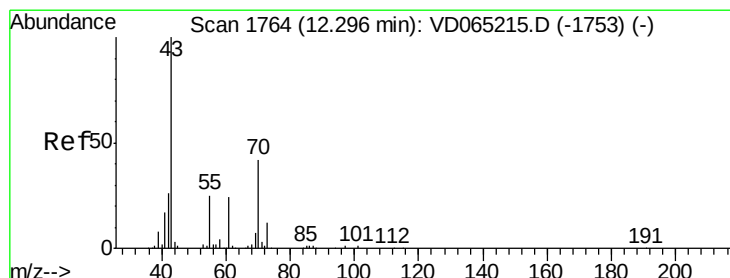
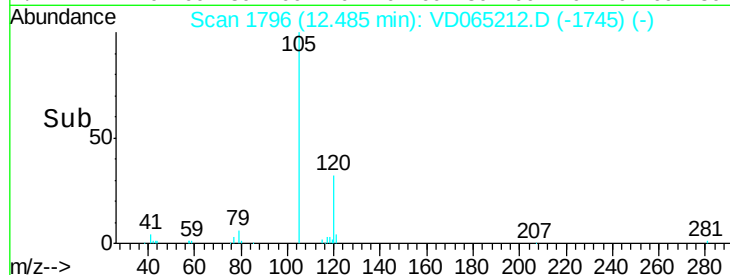
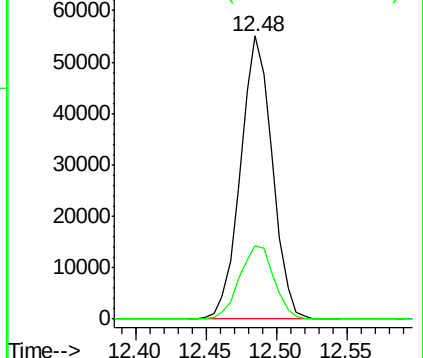
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.010 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Tgt Ion: 43 Resp: 18648

Ion Ratio Lower Upper

43 100

70 42.4 33.7 50.5

55 28.3 20.7 31.1

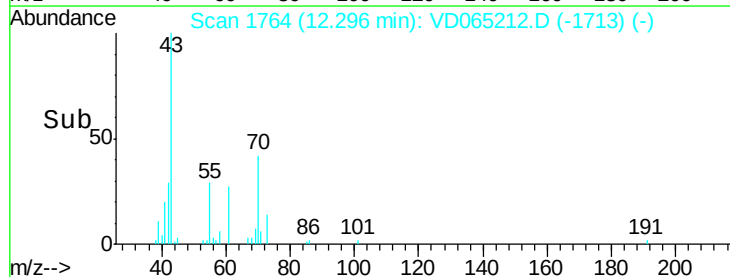
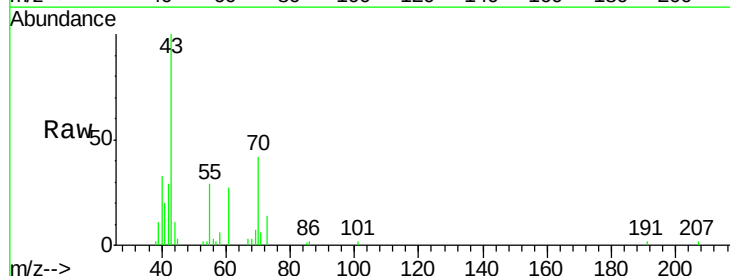
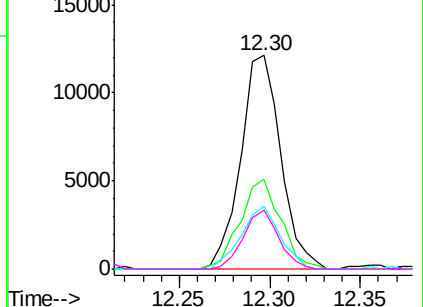
61 24.1 19.0 28.4

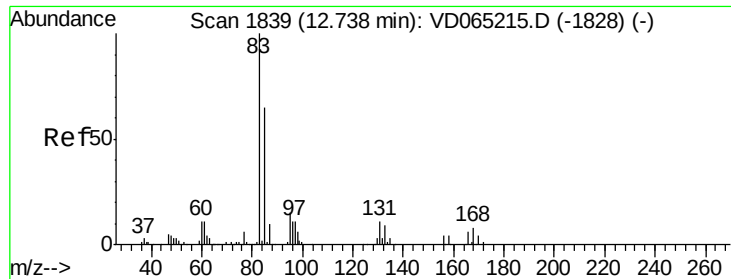
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 5.040 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

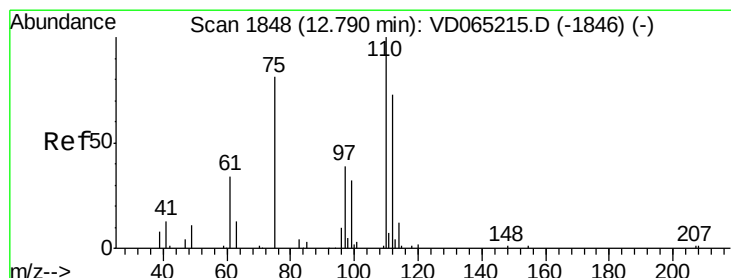
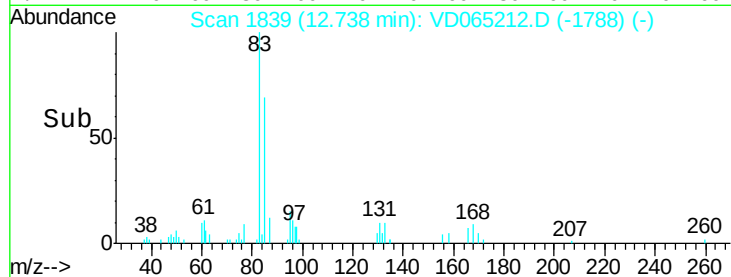
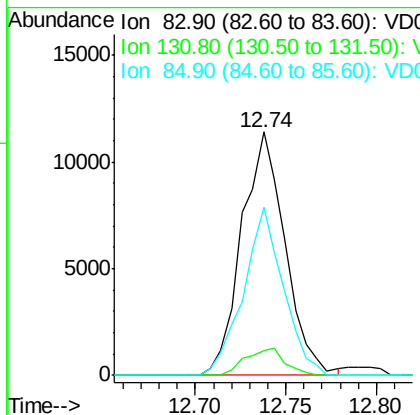
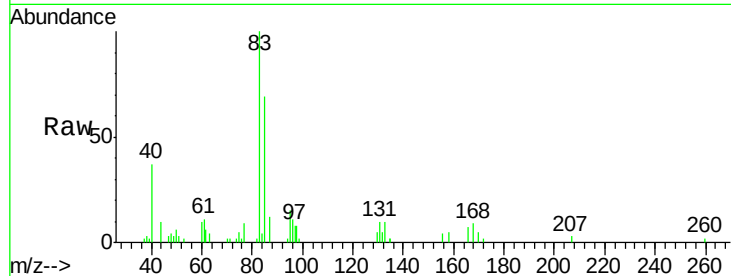
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	19036
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.4	16.2
85	63.4	31.6	94.8

Manual Integrations
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2/19/2020 1:44:00 PM



#76

1,2,3-Trichloropropane

Concen: 3.375 ug/l m

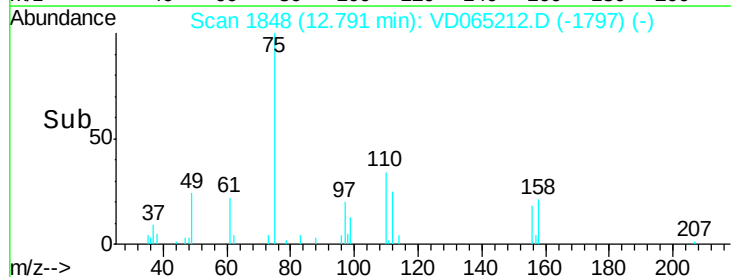
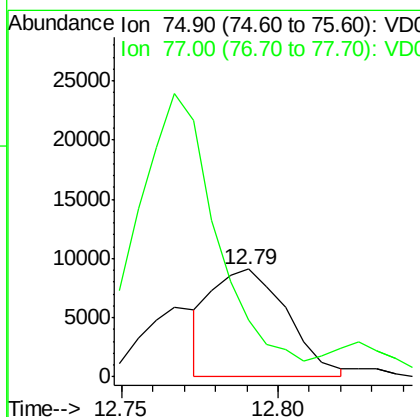
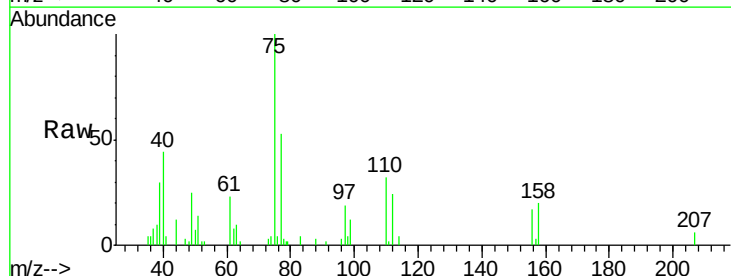
RT: 12.79 min Scan# 1848

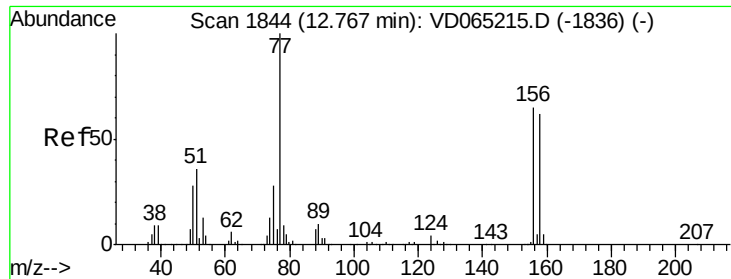
Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Tgt Ion:	75	Resp:	15290
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.705 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 24454

Ion Ratio Lower Upper

156 100

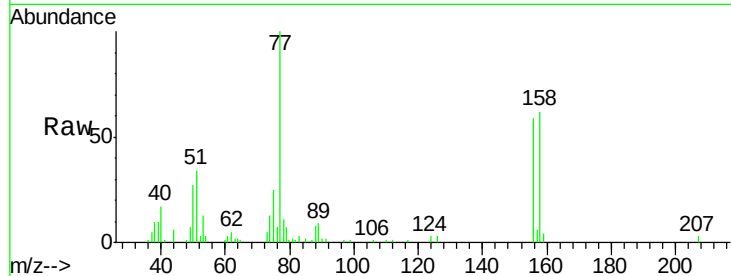
77 177.7 86.6 259.7

158 97.1 48.1 144.3

Manual Integrations
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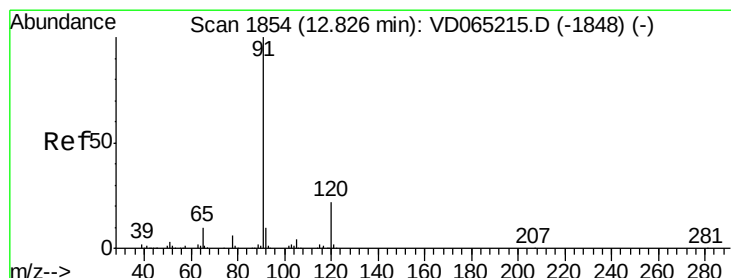
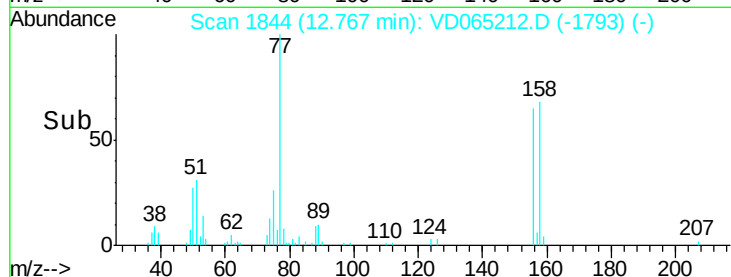
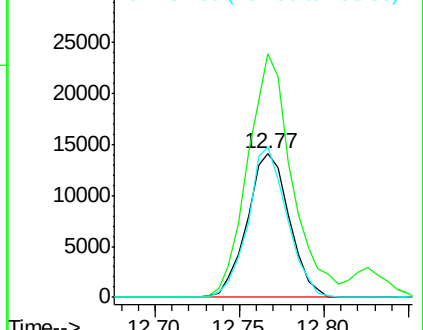
2/19/2020 1:44:00 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.419 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065212.D

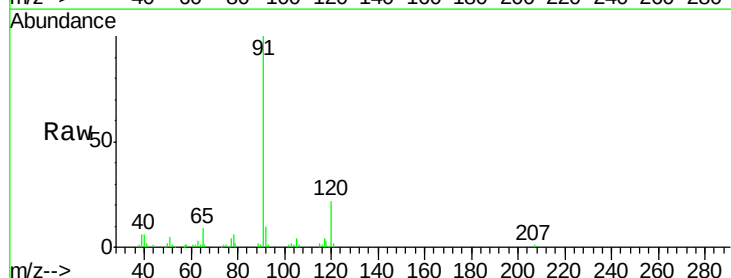
Acq: 18 Feb 2020 10:34

Tgt Ion: 91 Resp: 111149

Ion Ratio Lower Upper

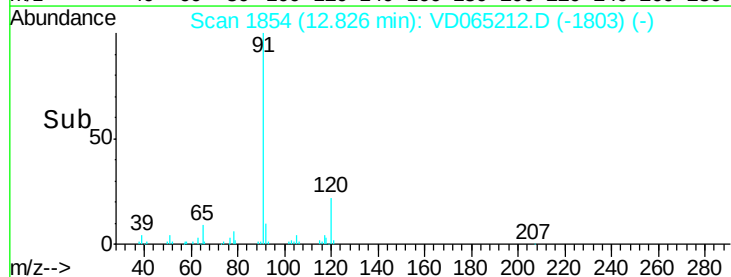
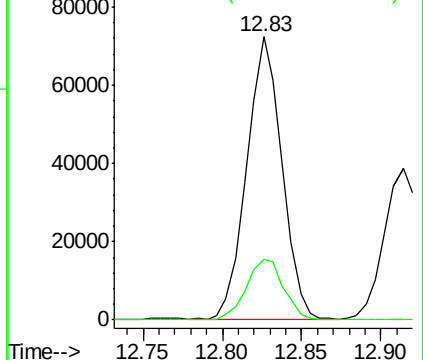
91 100

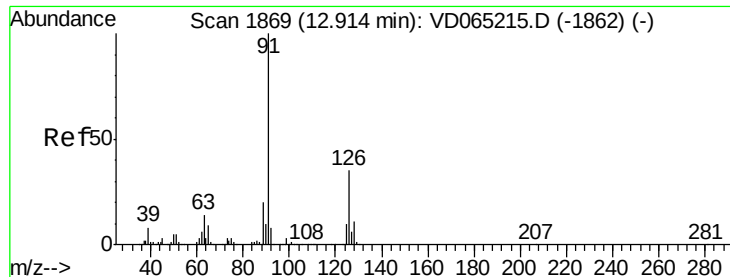
120 22.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





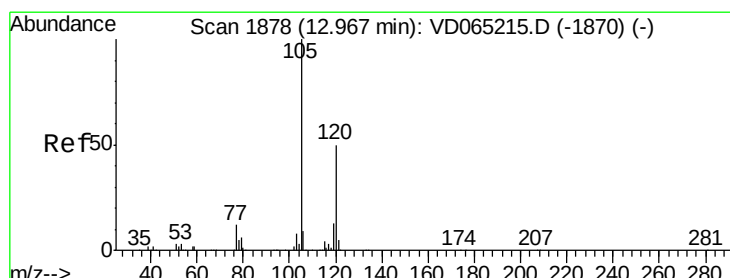
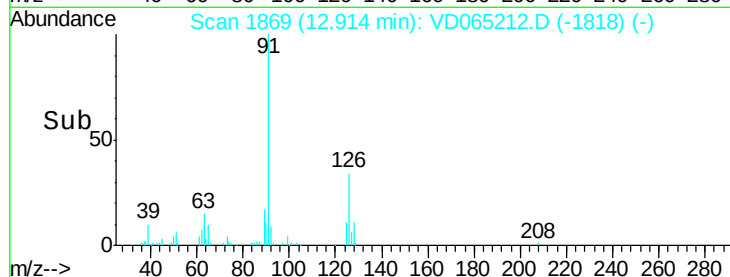
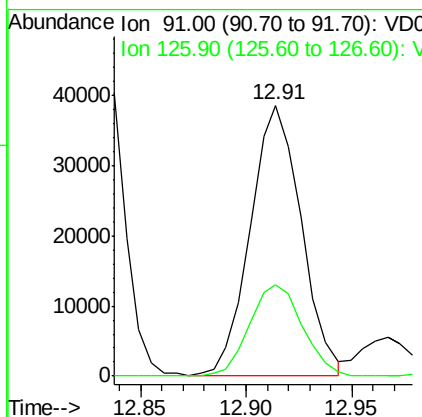
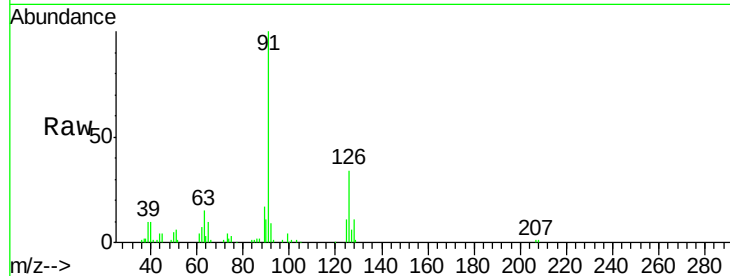
#79
 2-Chlorotoluene
 Concen: 4.577 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 64492
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.5 52.6

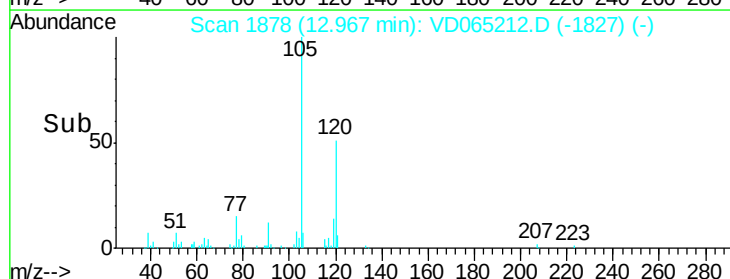
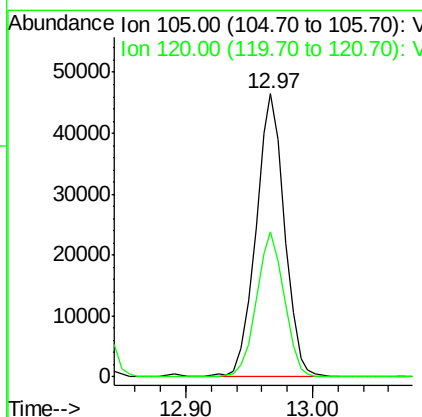
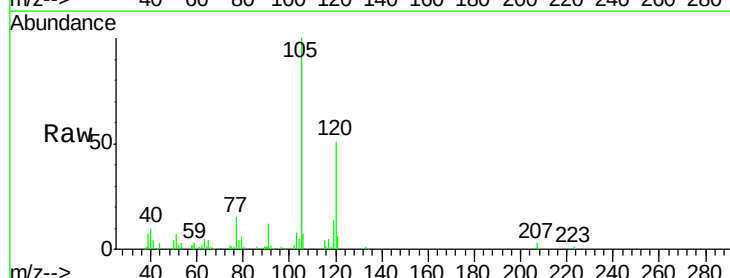
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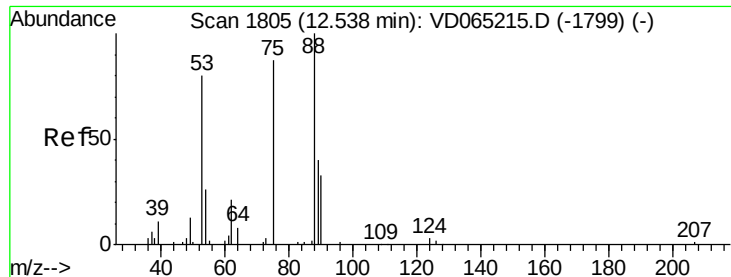
MMDadoda
 2/19/2020 1:44:00 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 4.242 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion: 105 Resp: 73126
 Ion Ratio Lower Upper
 105 100
 120 49.5 25.4 76.4





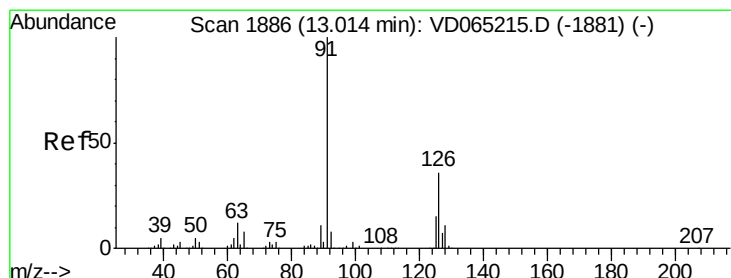
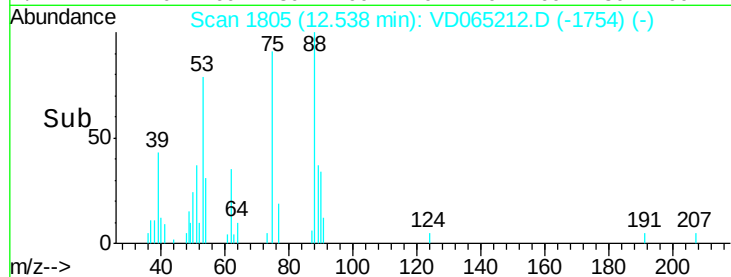
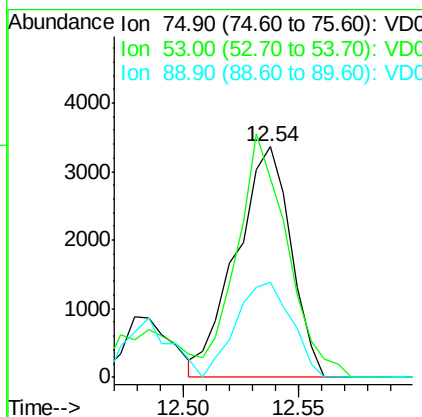
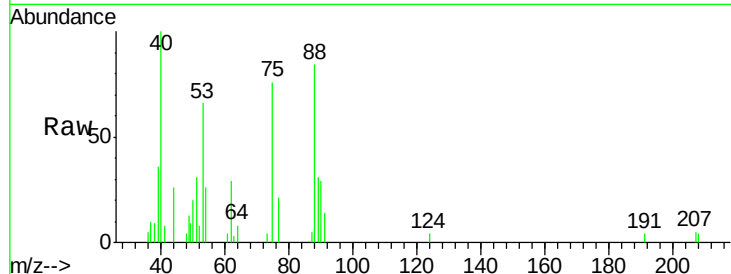
#81
trans-1,4-Dichloro-2-butene
Concen: 4.447 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.4	77.6	116.4
89	41.8	37.2	55.8

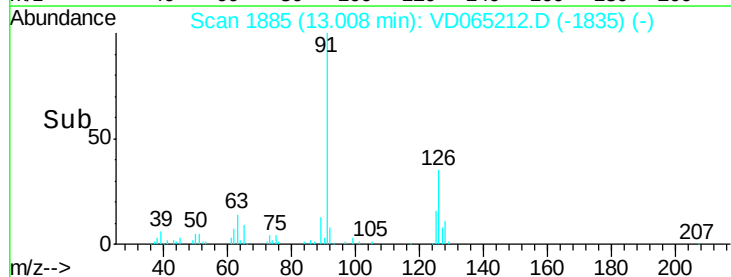
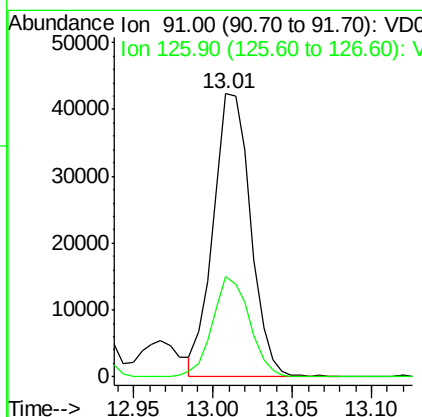
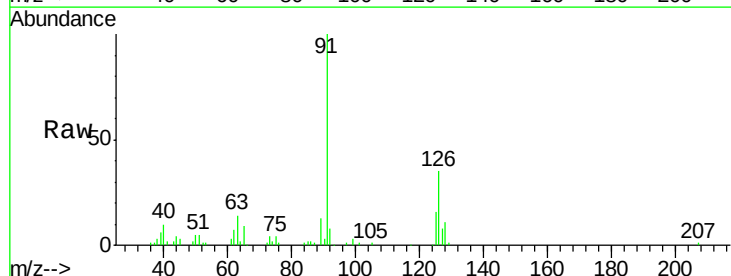
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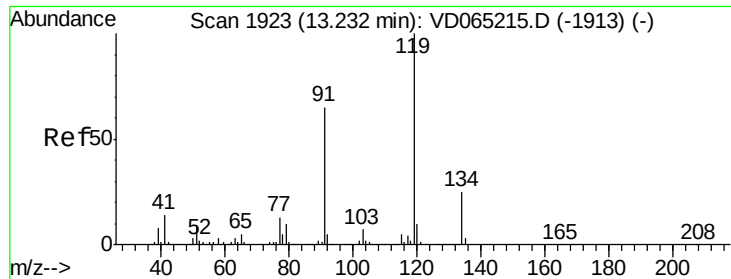
MMDadoda
2/19/2020 1:44:00 PM



#82
4-Chlorotoluene
Concen: 4.645 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.4	52.3





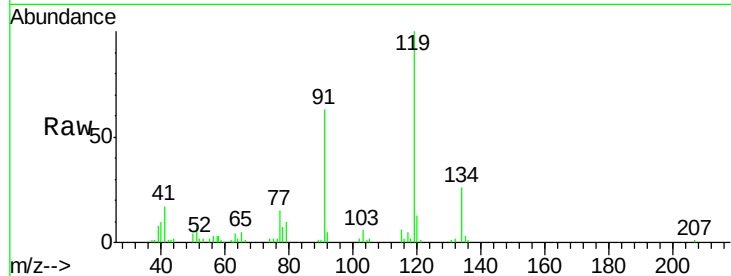
#83
 tert-Butylbenzene
 Concen: 4.231 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

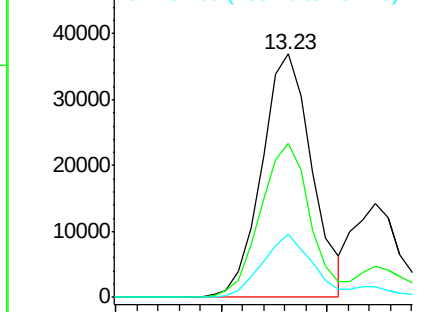
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	31.9	95.5
134	26.1	13.8	41.3

Manual Integrations
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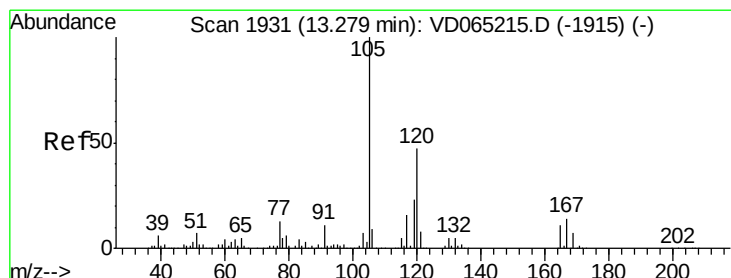
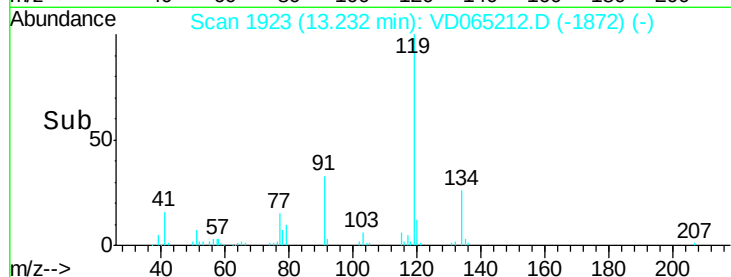
MMDadoda
 2/19/2020 1:44:00 PM



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

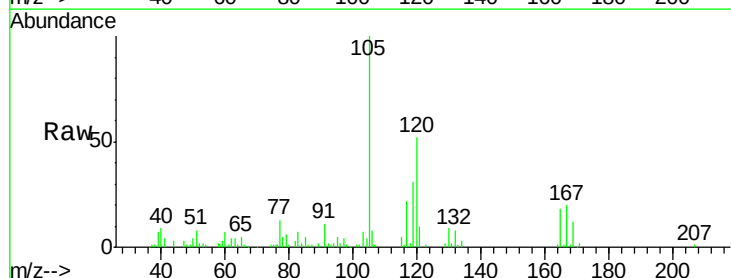


Time--> 13.15 13.20 13.25

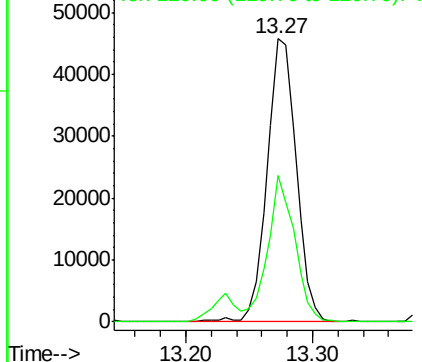


#84
 1,2,4-Trimethylbenzene
 Concen: 4.261 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

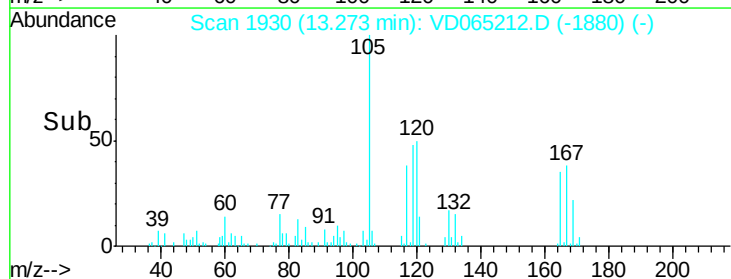
Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.3	69.9

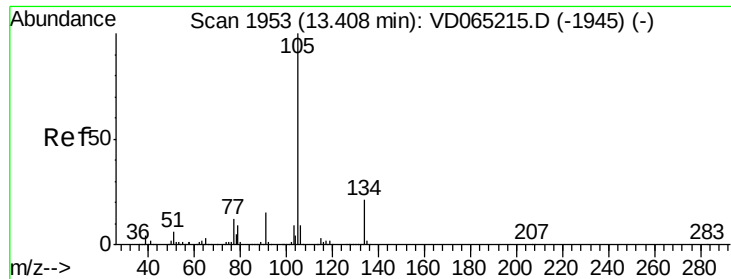


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



Time--> 13.20 13.30





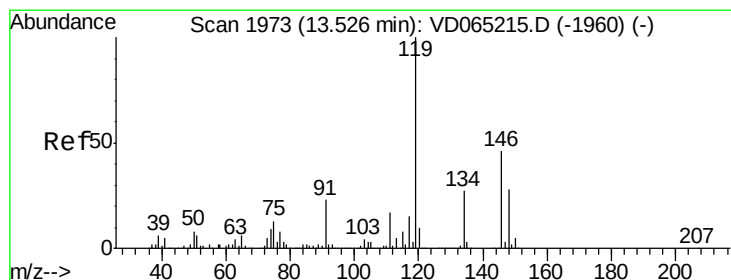
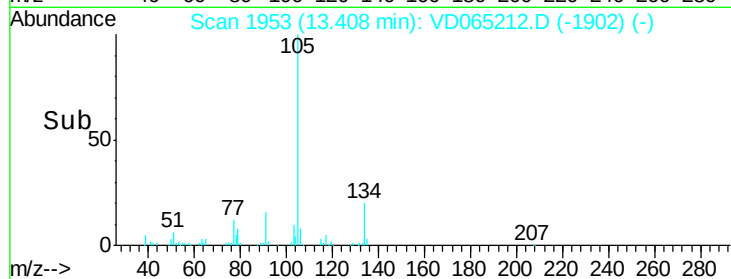
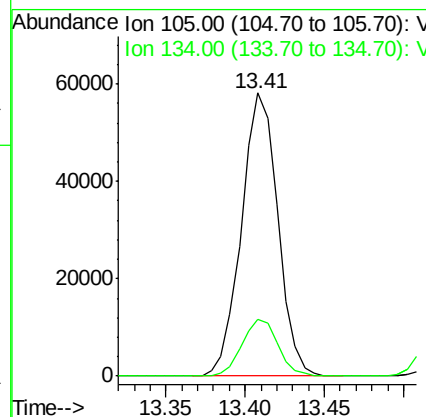
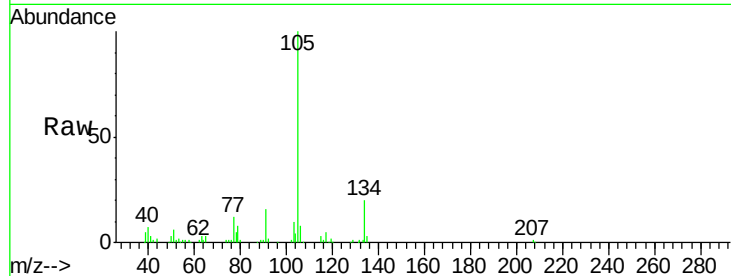
#85
 sec-Butylbenzene
 Concen: 4.444 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.3	30.9

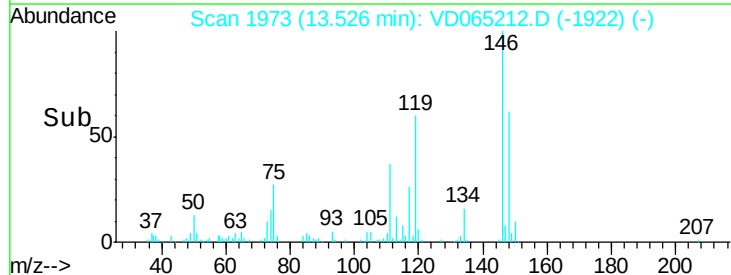
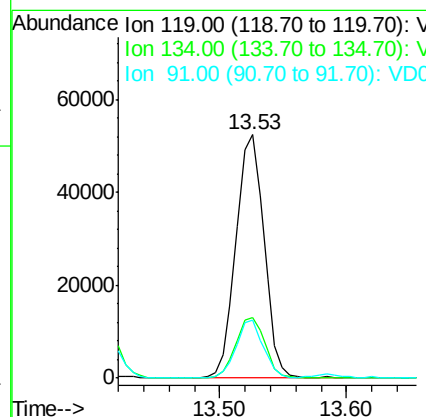
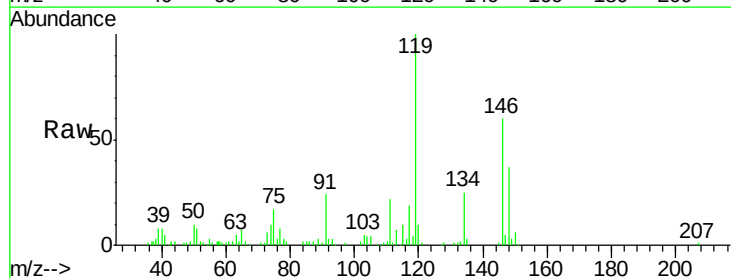
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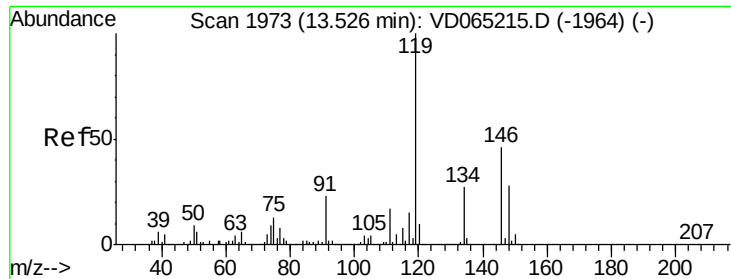
MMDadoda
 2/19/2020 1:44:00 PM



#86
 p-Isopropyltoluene
 Concen: 4.224 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.3	39.8
91	23.2	11.1	33.1





#87

1,3-Dichlorobenzene

Concen: 4.871 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Instrument :

MSVOA_D

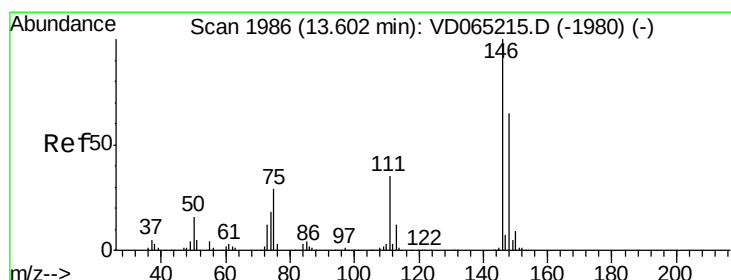
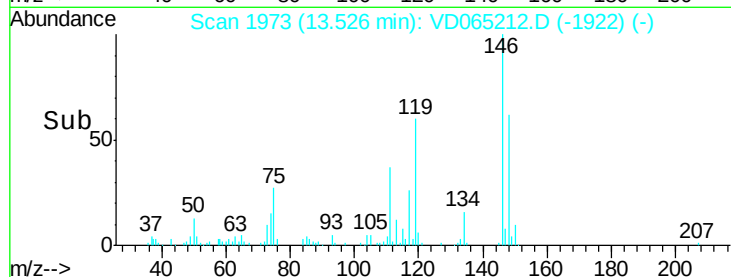
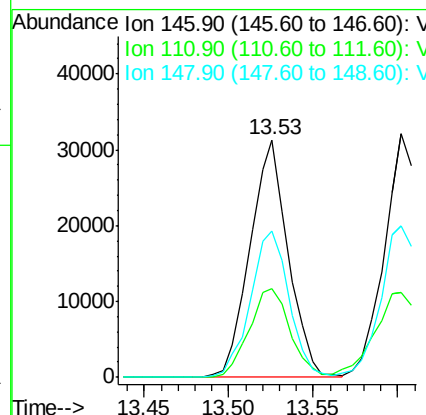
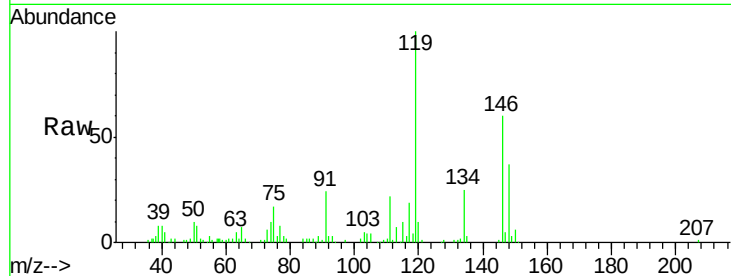
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	48942
Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.6	55.8
148	62.8	31.4	94.3

Manual Integrations
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2/19/2020 1:44:00 PM



#88

1,4-Dichlorobenzene

Concen: 4.998 ug/l

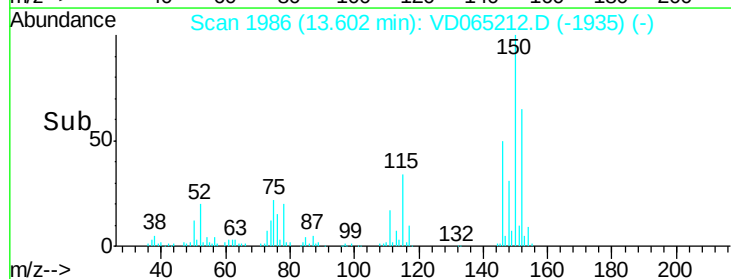
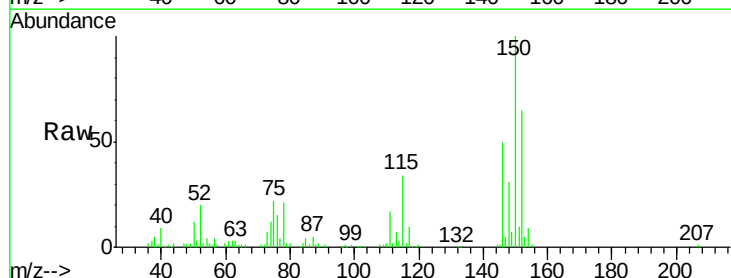
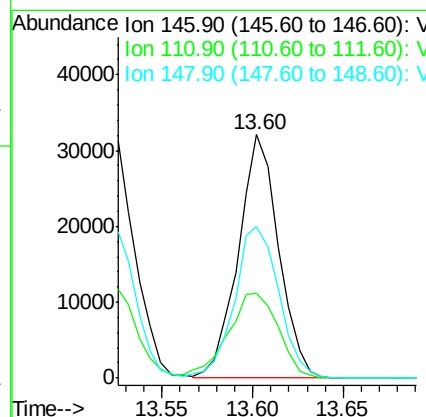
RT: 13.60 min Scan# 1986

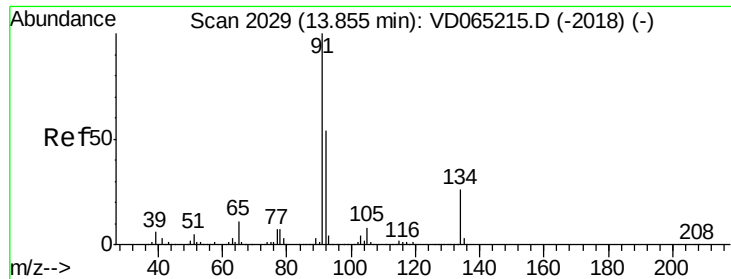
Delta R.T. 0.00 min

Lab File: VD065212.D

Acq: 18 Feb 2020 10:34

Tgt Ion:	146	Resp:	49559
Ion	Ratio	Lower	Upper
146	100		
111	43.7	18.4	55.2
148	68.7	32.1	96.5





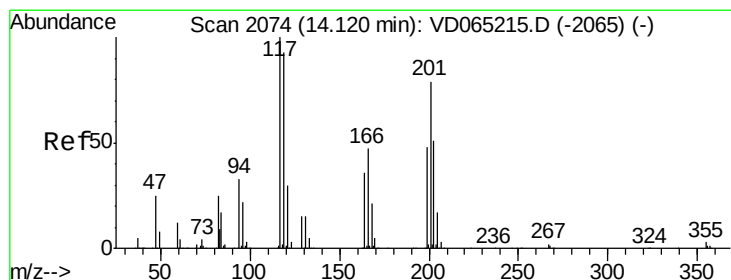
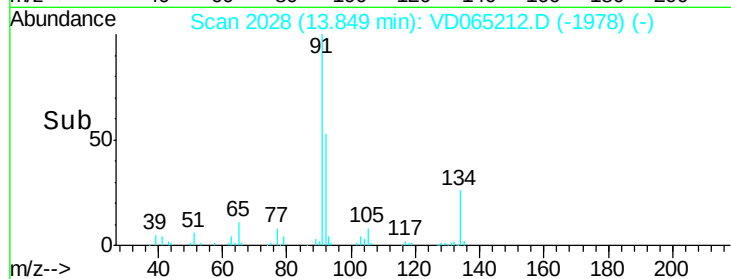
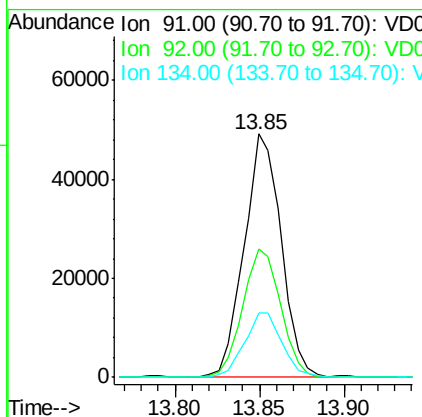
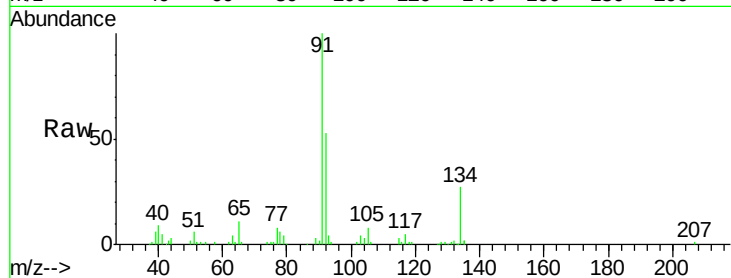
#89
n-Butylbenzene
Concen: 4.292 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.0	80.8
134	26.8	13.5	40.4

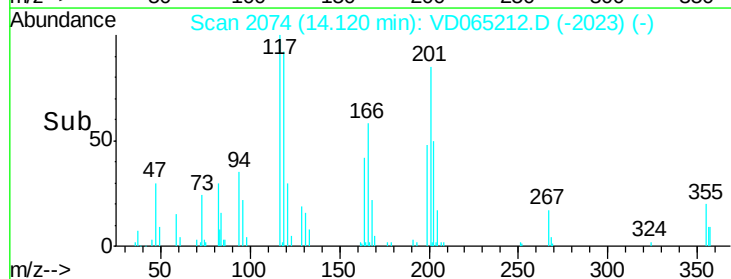
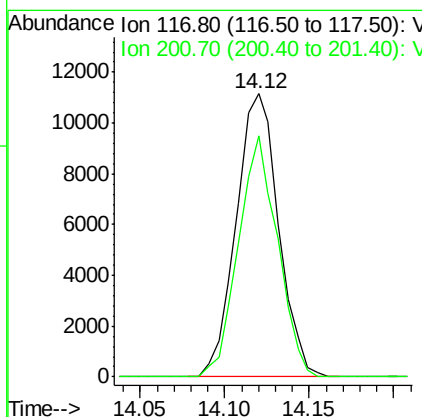
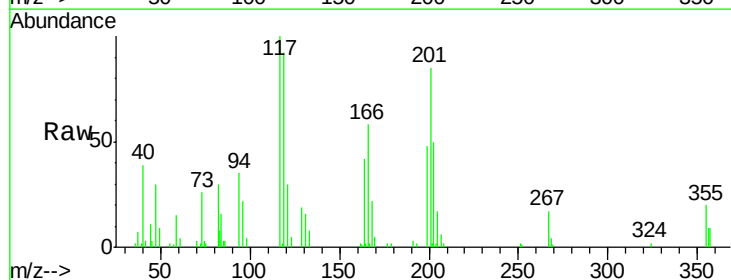
Manual Integrations
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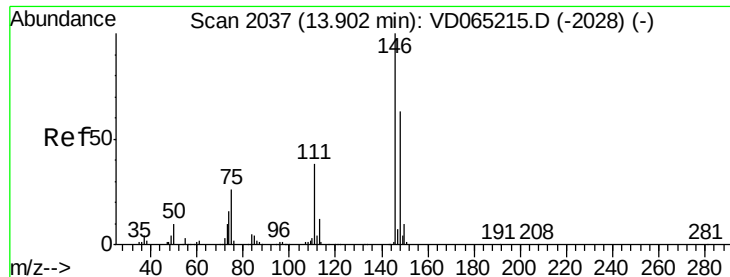
MMDadoda
2/19/2020 1:44:00 PM



#90
Hexachloroethane
Concen: 5.042 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.7	41.3	124.1





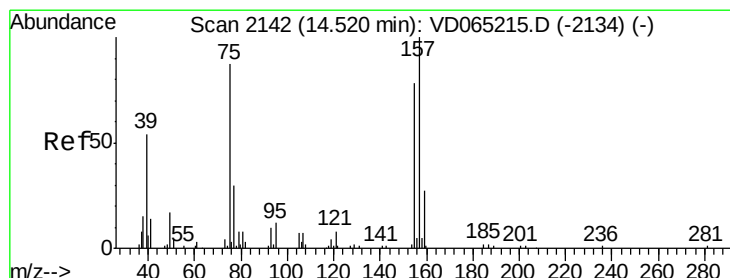
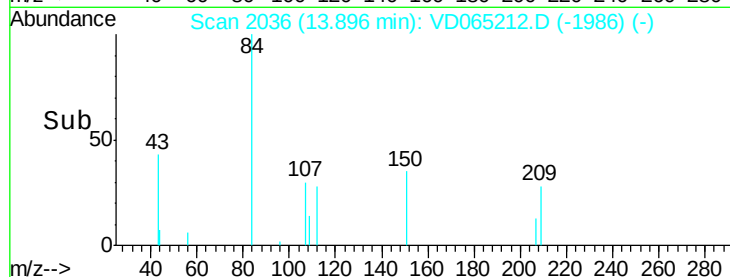
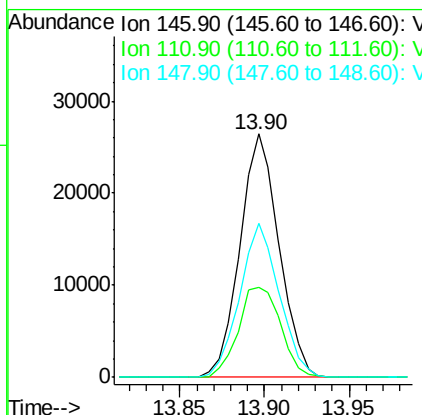
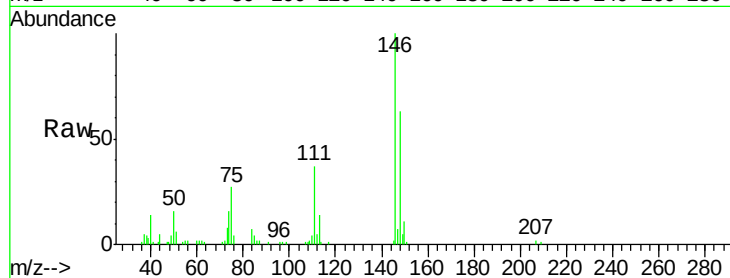
#91
 1,2-Dichlorobenzene
 Concen: 4.930 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.7	59.0
148	64.0	32.0	96.2

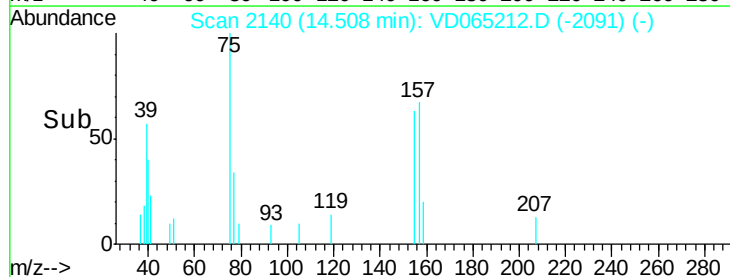
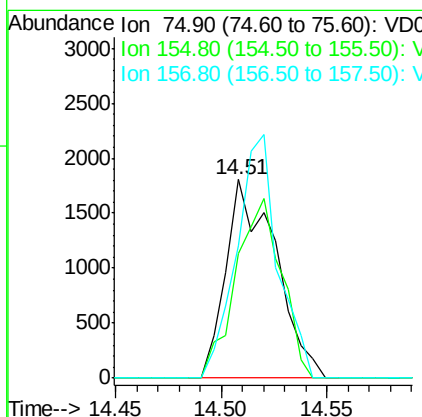
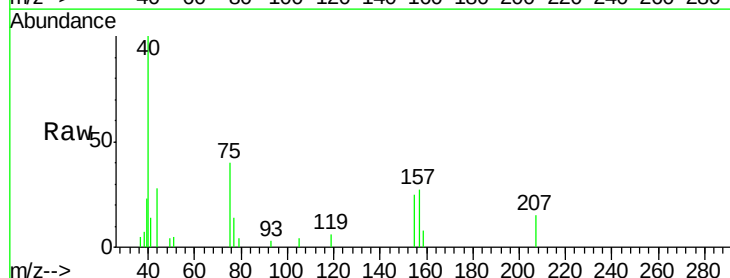
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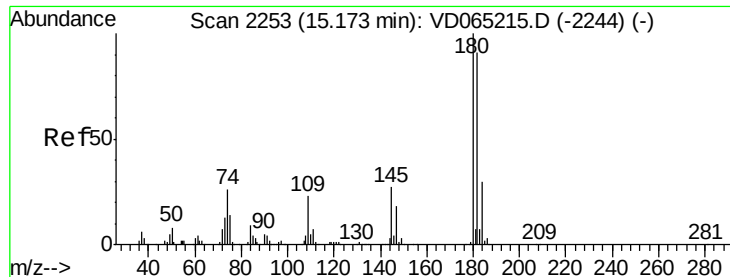
MMDadoda
 2/19/2020 1:44:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.056 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	42.3	126.9
157	101.9	56.7	170.1





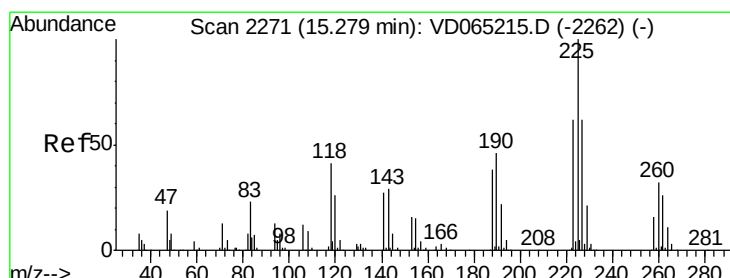
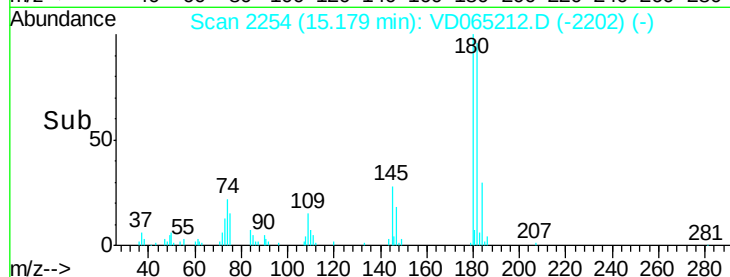
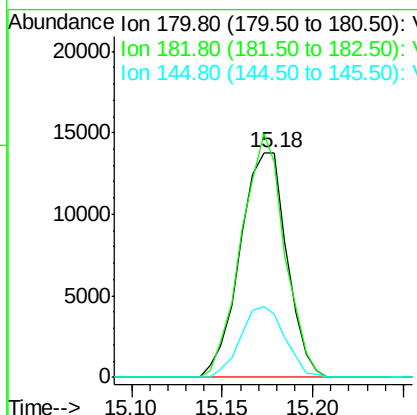
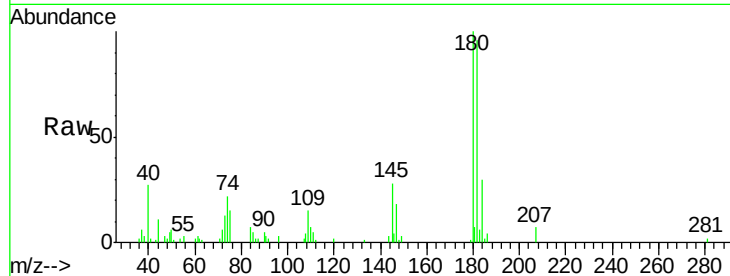
#93
 1,2,4-Trichlorobenzene
 Concen: 4.384 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.2	46.9	140.6
145	29.9	13.9	41.7

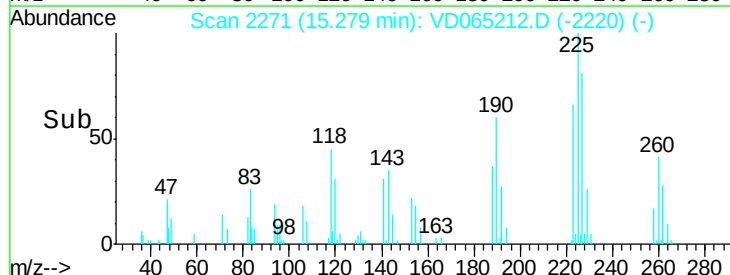
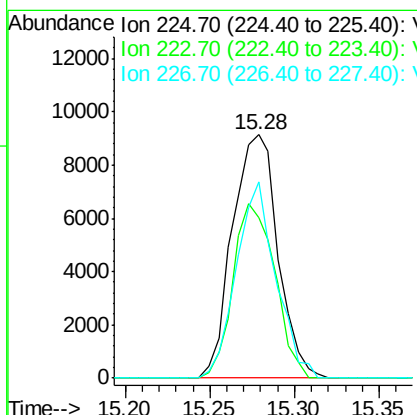
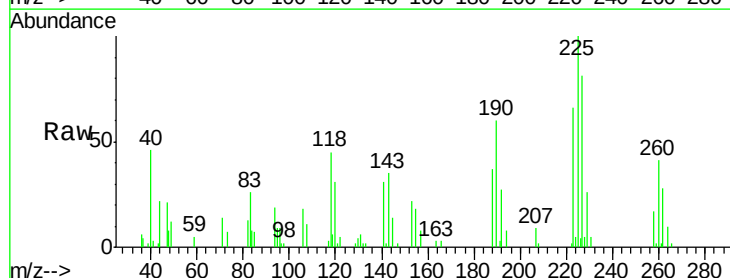
Manual Integrations
 APPROVED

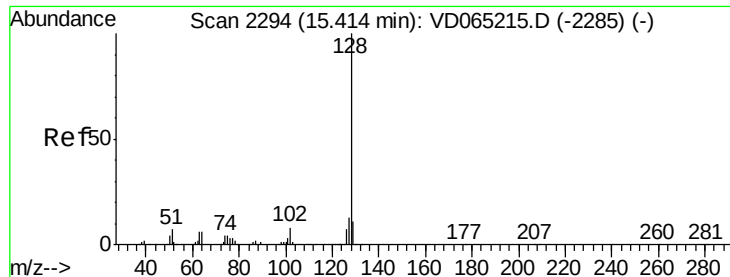
MMDadoda
 2/19/2020 1:44:00 PM



#94
 Hexachlorobutadiene
 Concen: 4.731 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065212.D
 Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	31.4	94.2
227	70.0	31.7	95.1





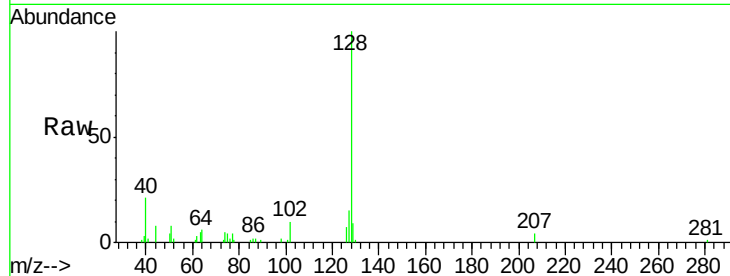
#95
Naphthalene
Concen: 3.805 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

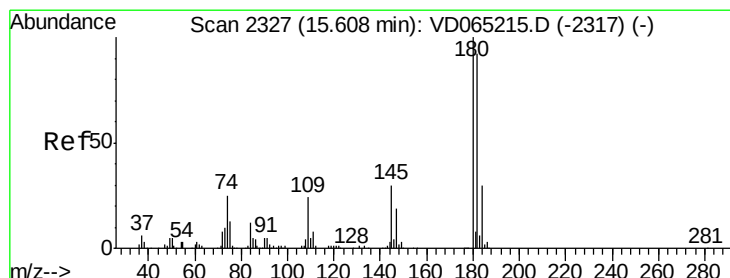
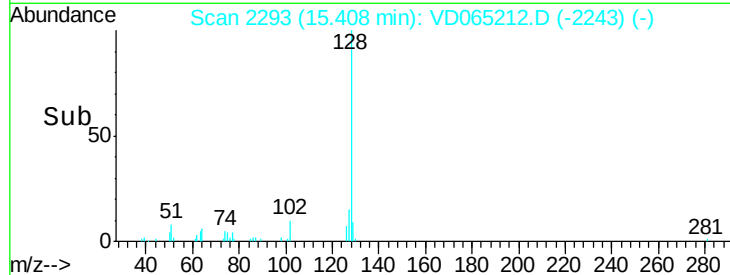
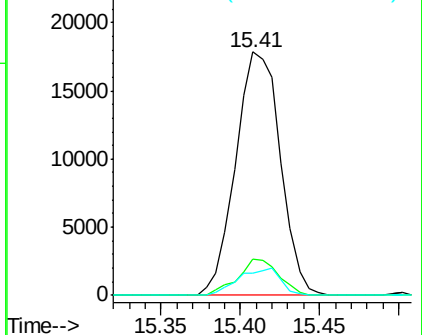
Tot Ion	Ratio	Resp	Lower	Upper
128	100	34906		
127	13.6		10.3	15.5
129	10.6		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:44:00 PM

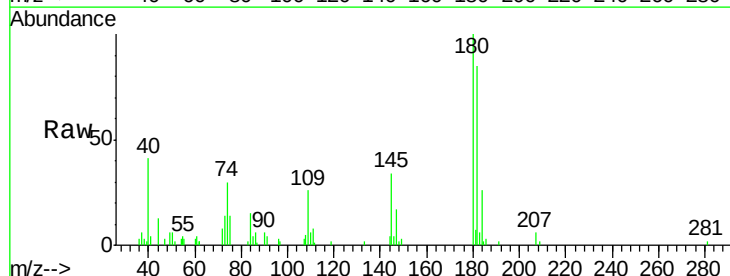


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.449 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD065212.D
Acq: 18 Feb 2020 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	21928		
182	96.2		46.9	140.6
145	31.4		15.4	46.1



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

