

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065393.D
 Acq On : 03 Mar 2020 14:36
 Operator : VA/SY
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:01:34 PM

Quant Time: Mar 04 06:18:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 05:56:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	406892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	633050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	574450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281938	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	196316	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
35) Dibromofluoromethane	7.92	113	210470	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
50) Toluene-d8	10.34	98	768225	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.64	95	246179	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.98	85	10802	3.165	ug/l	89
3) Chloromethane	2.21	50	11217	2.582	ug/l	95
4) Vinyl Chloride	2.35	62	11921	2.699	ug/l	93
5) Bromomethane	2.77	94	8943	3.349	ug/l	100
6) Chloroethane	2.93	64	7417	2.751	ug/l #	84
7) Trichlorofluoromethane	3.28	101	18828	2.977	ug/l	92
8) Diethyl Ether	3.71	74	5435	2.847	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	11655	2.918	ug/l	97
10) Methyl Iodide	4.30	142	9480	2.286	ug/l	98
11) Tert butyl alcohol	5.27	59	2355	10.767	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	10955	2.904	ug/l	91
13) Acrolein	3.93	56	3716	11.412	ug/l	97
14) Allyl chloride	4.71	41	15917	2.598	ug/l	98
15) Acrylonitrile	5.44	53	10659	12.612	ug/l	97
16) Acetone	4.17	43	12582	14.061	ug/l	97
17) Carbon Disulfide	4.40	76	34881	2.758	ug/l	98
18) Methyl Acetate	4.72	43	8495	4.221	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	18422	2.342	ug/l	100
20) Methylene Chloride	4.97	84	23042	5.073	ug/l #	77
21) trans-1,2-Dichloroethene	5.47	96	11729	2.735	ug/l	90
22) Diisopropyl ether	6.37	45	25286	2.141	ug/l	99
23) Vinyl Acetate	6.31	43	54162	8.319	ug/l	95
24) 1,1-Dichloroethane	6.26	63	20247	2.764	ug/l	99
25) 2-Butanone	7.23	43	13727	12.125	ug/l	94
26) 2,2-Dichloropropane	7.21	77	18254	2.872	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	12225	2.691	ug/l	95
28) Bromochloromethane	7.55	49	8440	3.106	ug/l #	100
29) Tetrahydrofuran	7.56	42	7952	11.988	ug/l	94
30) Chloroform	7.72	83	22250	3.015	ug/l	93
31) Cyclohexane	7.99	56	24688	3.430	ug/l #	74
32) 1,1,1-Trichloroethane	7.91	97	18589	2.815	ug/l	99
36) 1,1-Dichloropropene	8.11	75	15693	2.548	ug/l	99
37) Ethyl Acetate	7.31	43	4267	1.657	ug/l #	93
38) Carbon Tetrachloride	8.10	117	17395	2.774	ug/l #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16907	2.335	ug/l	91
40) Benzene	8.36	78	44935	2.585	ug/l	92
41) Methacrylonitrile	7.53	41	3056	2.055	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	13407	2.805	ug/l	98
43) Isopropyl Acetate	8.46	43	10897	2.327	ug/l	94
44) Trichloroethene	9.11	130	12911	2.679	ug/l	96
45) 1,2-Dichloropropane	9.39	63	11596	2.682	ug/l	98
46) Dibromomethane	9.48	93	5669	2.549	ug/l	98
47) Bromodichloromethane	9.67	83	15331	2.615	ug/l	97
48) Methyl methacrylate	9.47	41	5236	2.419	ug/l	95
49) 1,4-Dioxane	9.46	88	1141	43.736	ug/l #	47
51) 4-Methyl-2-Pentanone	10.23	43	24783	10.420	ug/l	97
52) Toluene	10.41	92	28822	2.678	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	13595	2.502	ug/l #	86
54) cis-1,3-Dichloropropene	10.10	75	15329	2.336	ug/l	92
55) 1,1,2-Trichloroethane	10.81	97	8466	2.704	ug/l #	92
56) Ethyl methacrylate	10.67	69	7507	2.077	ug/l	93
57) 1,3-Dichloropropane	10.95	76	14108	2.648	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	17509	15.368	ug/l	99
59) 2-Hexanone	10.99	43	17322	10.174	ug/l	97
60) Dibromochloromethane	11.14	129	10624	2.651	ug/l	100
61) 1,2-Dibromoethane	11.24	107	7578	2.556	ug/l	100
64) Tetrachloroethene	10.88	164	12981	3.186	ug/l #	90
65) Chlorobenzene	11.68	112	30626	2.657	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	11051	2.569	ug/l	95
67) Ethyl Benzene	11.75	91	47103	2.333	ug/l	97
68) m/p-Xylenes	11.86	106	34603	4.480	ug/l	99
69) o-Xylene	12.18	106	14552	2.126	ug/l	98
70) Styrene	12.20	104	26118	2.150	ug/l	99
71) Bromoform	12.37	173	6256	2.621	ug/l #	94
73) Isopropylbenzene	12.48	105	39041	2.092	ug/l	98
74) N-amyl acetate	12.30	43	8265	1.993	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	9081	2.696	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	7232m	3.015	ug/l	
77) Bromobenzene	12.77	156	12333	2.661	ug/l	96
78) n-propylbenzene	12.83	91	53294	2.376	ug/l	99
79) 2-Chlorotoluene	12.91	91	29749	2.367	ug/l	94
80) 1,3,5-Trimethylbenzene	12.97	105	32337	2.103	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.64	75	116814	105.145	ug/l #	11
82) 4-Chlorotoluene	13.01	91	31329	2.348	ug/l	98
83) tert-Butylbenzene	13.23	119	27033	2.098	ug/l	94
84) 1,2,4-Trimethylbenzene	13.28	105	31613	2.054	ug/l	95
85) sec-Butylbenzene	13.41	105	40307	2.171	ug/l	99
86) p-Isopropyltoluene	13.53	119	34490	2.031	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	23566	2.630	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	24161	2.732	ug/l	90
89) n-Butylbenzene	13.85	91	35819	2.289	ug/l	97
90) Hexachloroethane	14.12	117	8782	2.547	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	19862	2.582	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.53	75	1388	2.674	ug/l	86

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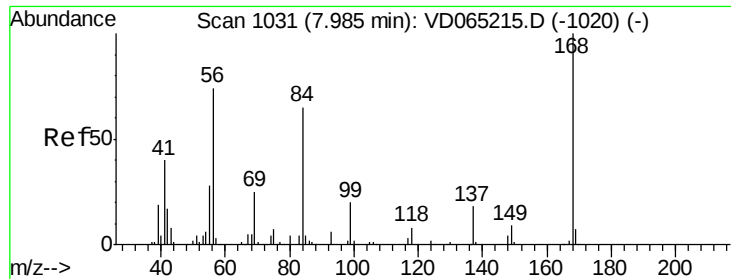
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	12511	2.486	ug/l	95
94) Hexachlorobutadiene	15.28	225	8908	2.759	ug/l	96
95) Naphthalene	15.41	128	17348	2.120	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	11248	2.559	ug/l	92

(#) = 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: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

ClientSampled :

VD0307

Tot Ion:168 Resp: 406892

Ion Ratio Lower Upper

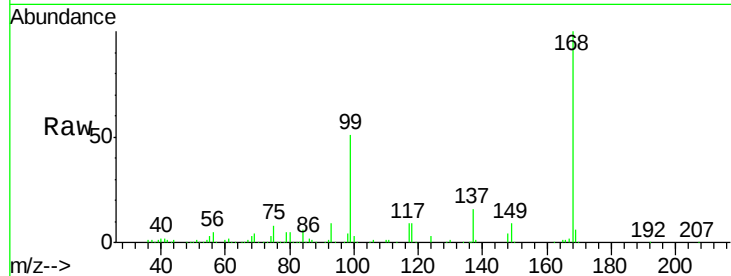
168 100

99 50.9 41.4 62.2

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

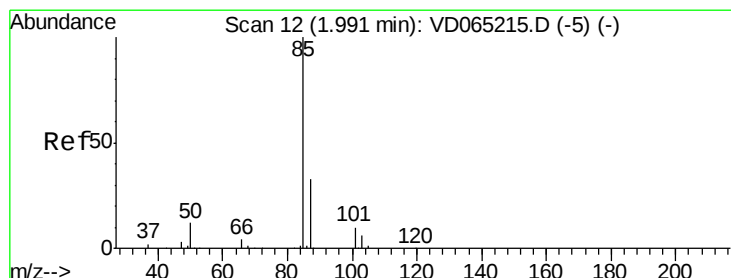
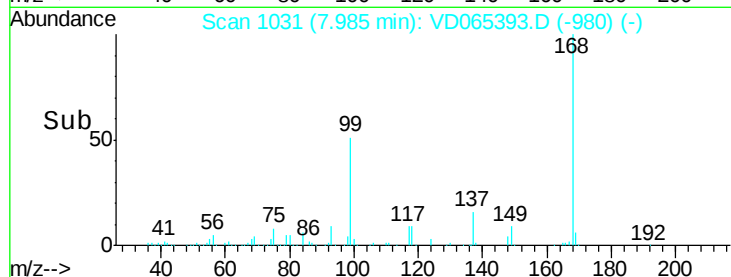
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.165 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065393.D

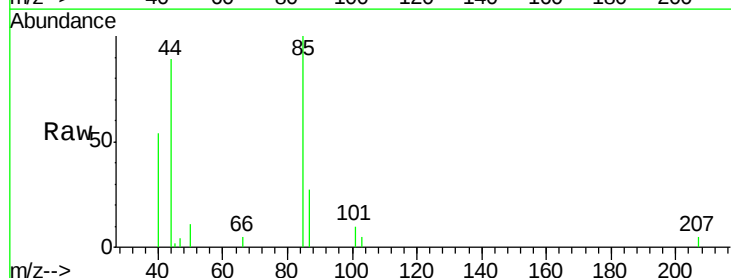
Acq: 03 Mar 2020 14:36

Tgt Ion: 85 Resp: 10802

Ion Ratio Lower Upper

85 100

87 26.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

8000

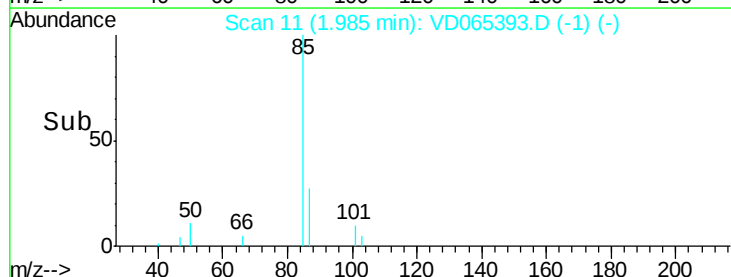
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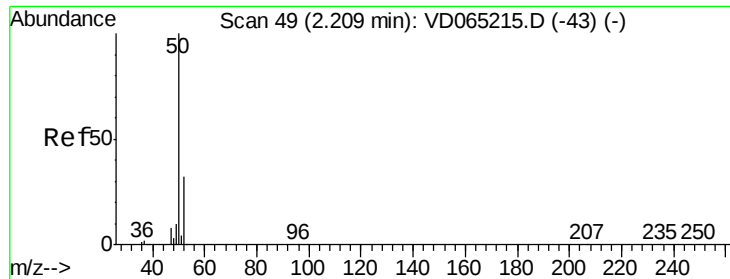
4000

2000

0

Time-->





#3

Chloromethane

Concen: 2.582 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

ClientSampled :

VD0307

Tot Ion: 50 Resp: 11217

Ion Ratio Lower Upper

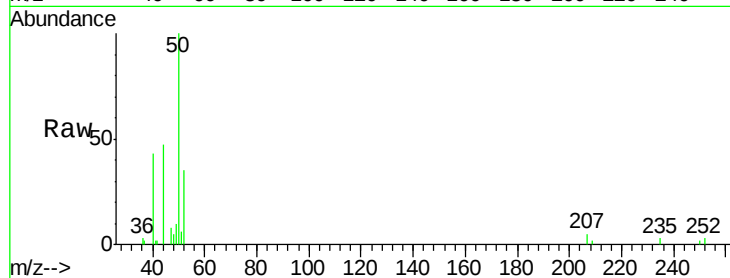
50 100

52 34.7 25.5 38.3

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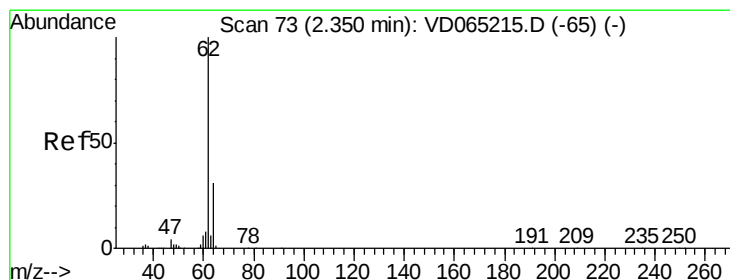
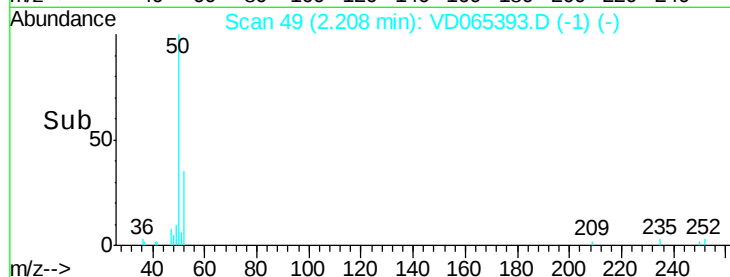
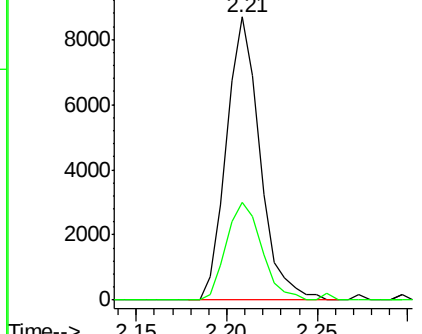
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 2.699 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065393.D

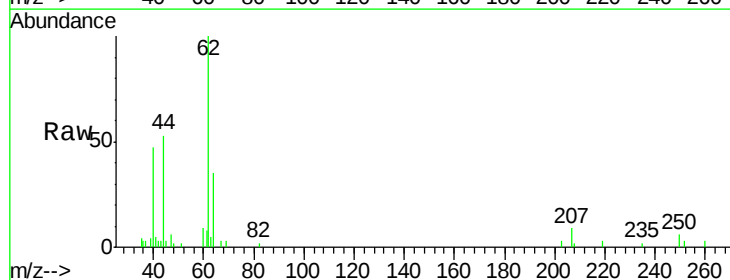
Acq: 03 Mar 2020 14:36

Tgt Ion: 62 Resp: 11921

Ion Ratio Lower Upper

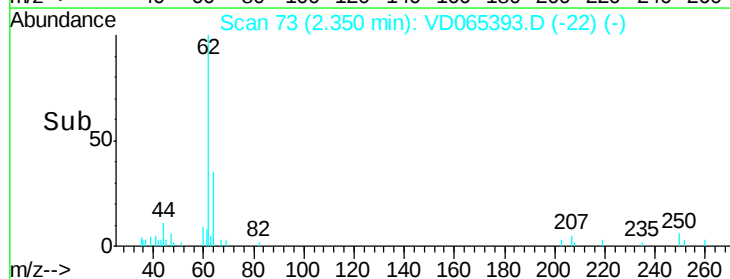
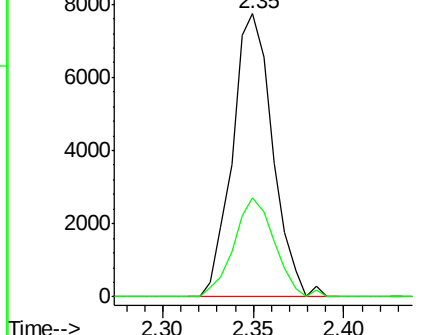
62 100

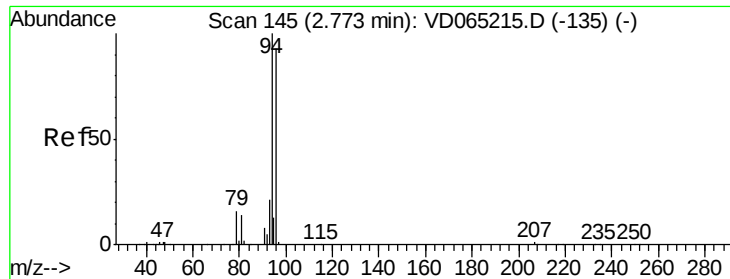
64 35.1 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 3.349 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

ClientSampled :

VD0307

Tot Ion: 94 Resp: 8943

Ion Ratio Lower Upper

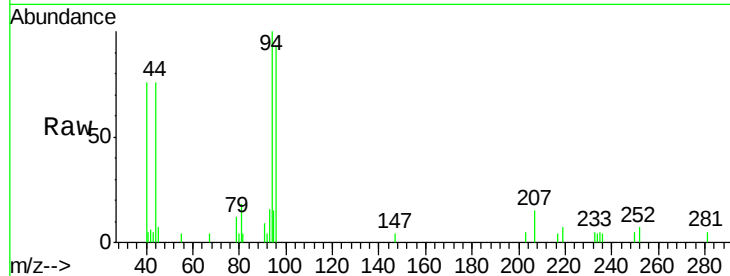
94 100

96 93.1 74.2 111.4

Manual Integrations
APPROVED

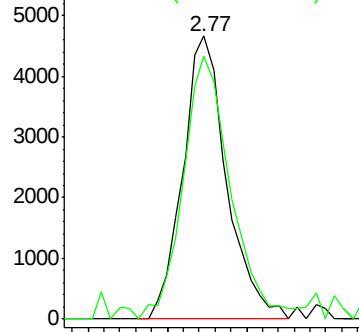
MMDadoda

3/4/2020 2:01:34 PM

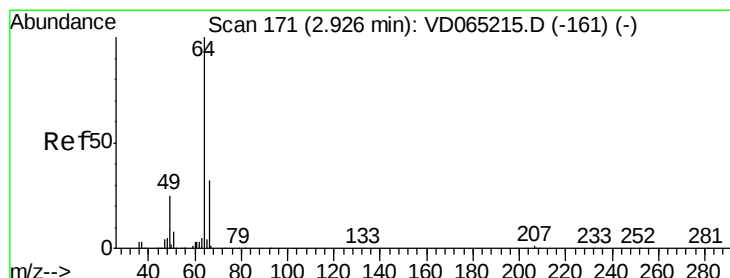
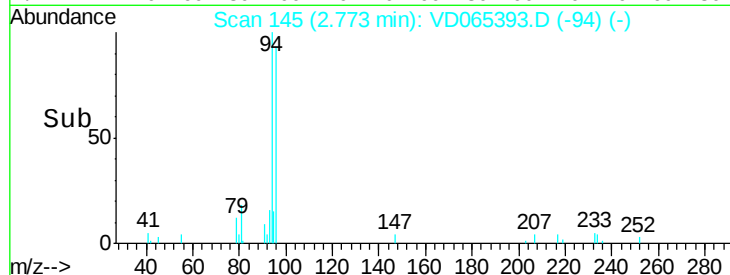


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 2.751 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065393.D

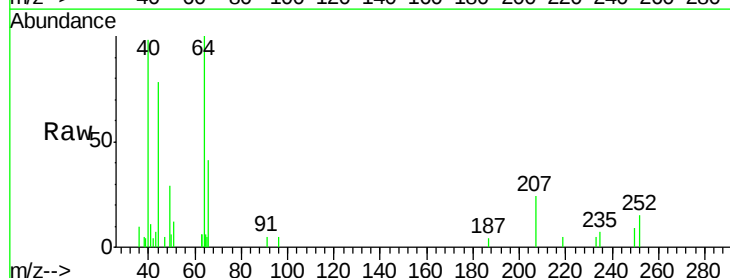
Acq: 03 Mar 2020 14:36

Tgt Ion: 64 Resp: 7417

Ion Ratio Lower Upper

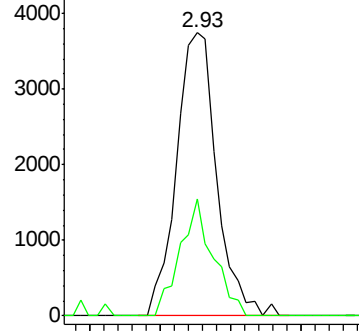
64 100

66 41.3 25.7 38.5#

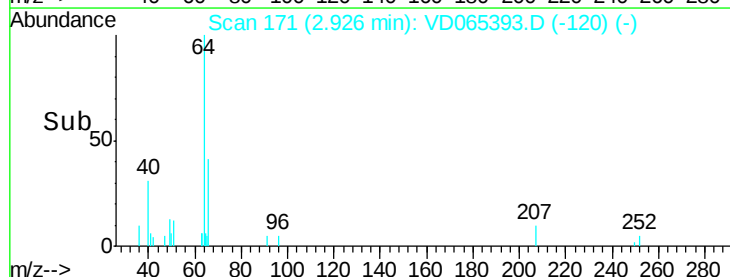


Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

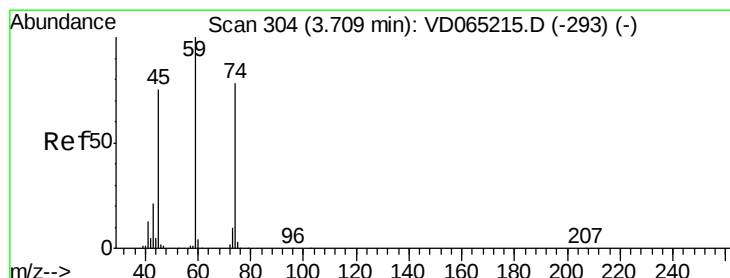
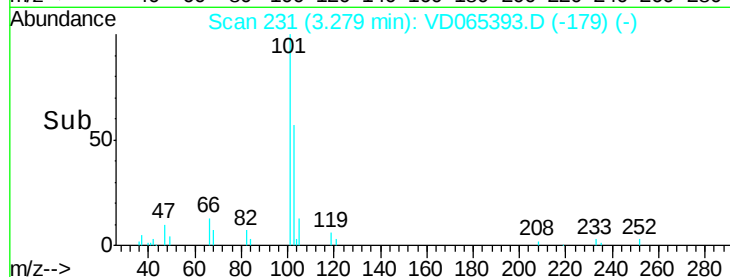
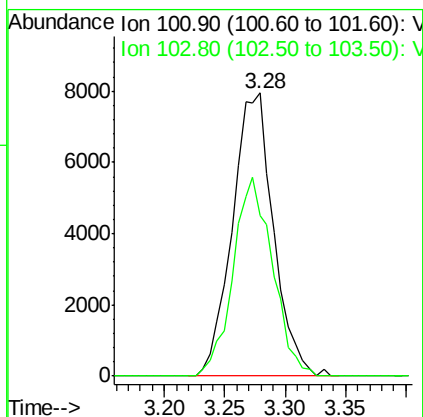
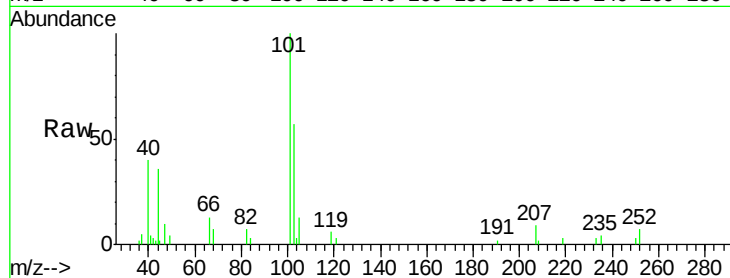
Trichlorofluoromethane
Concen: 2.977 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.9	50.7	76.1

Manual Integrations
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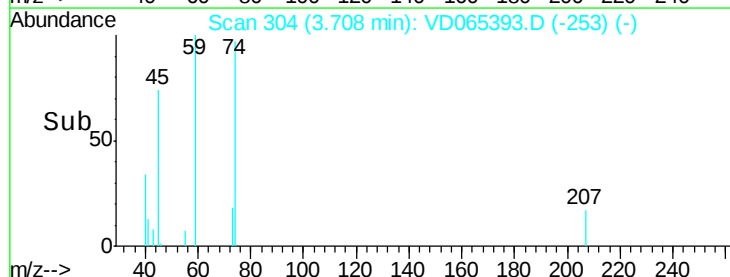
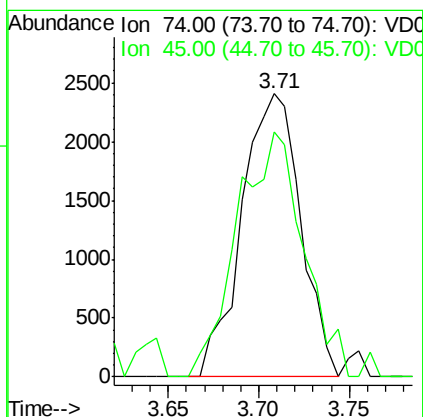
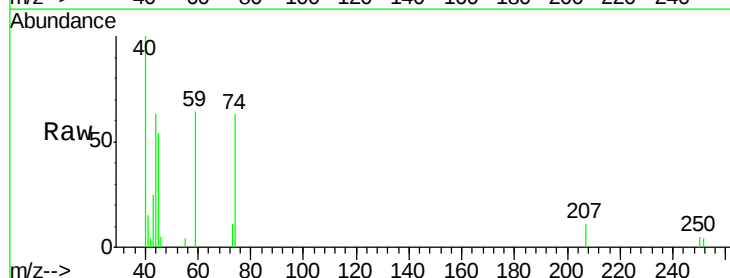
MMDadoda
3/4/2020 2:01:34 PM

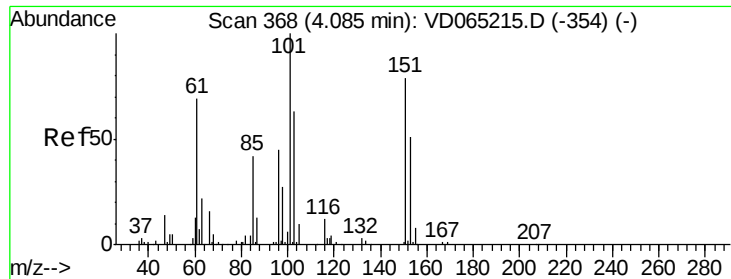


#8

Diethyl Ether
Concen: 2.847 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.918 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

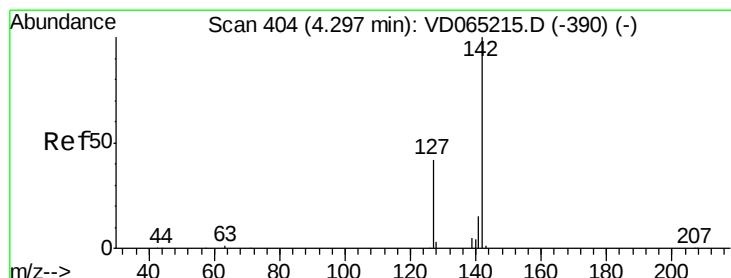
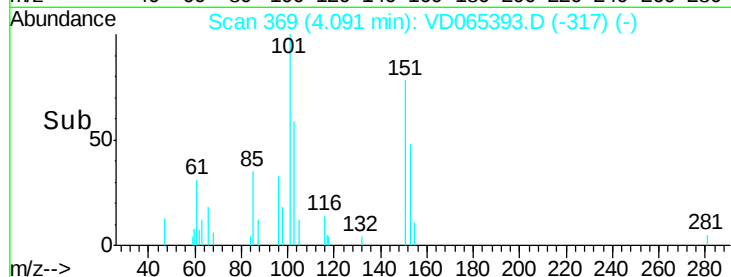
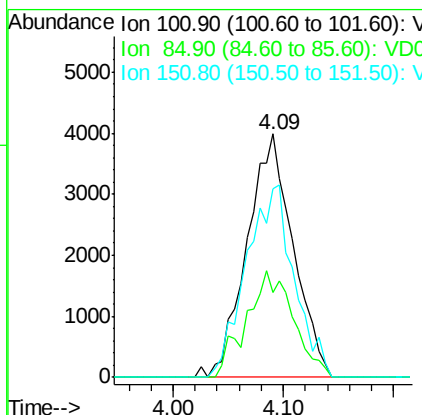
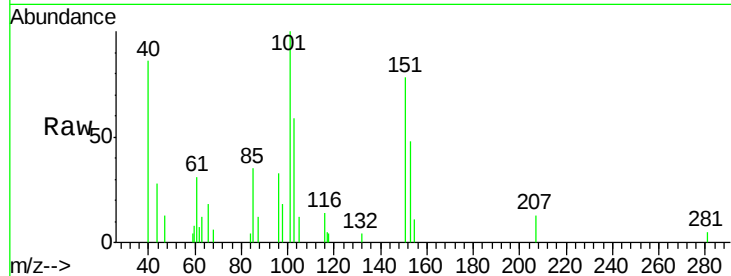
ClientSampled :

VD0307

Tot Ion:	101	Resp:	11655
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.2	51.2
151	82.1	63.5	95.3

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#10

Methyl Iodide

Concen: 2.286 ug/l

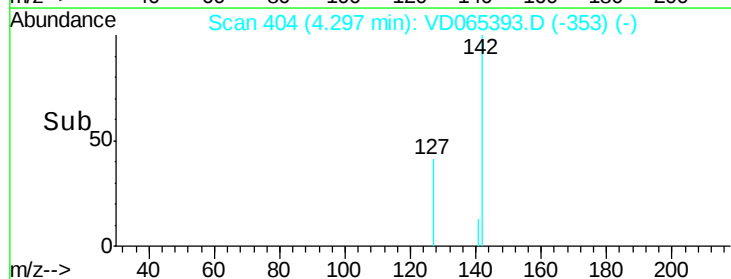
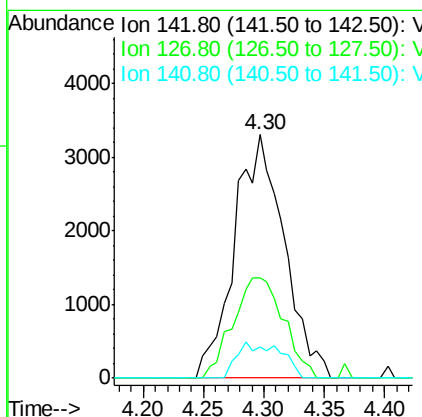
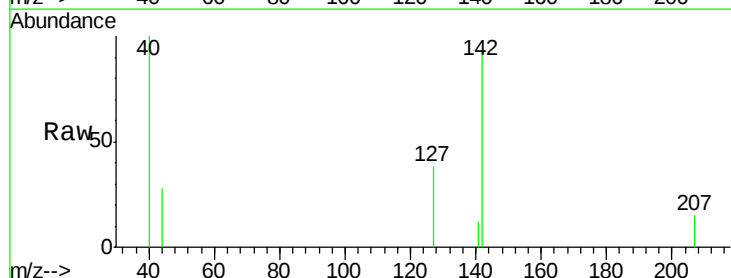
RT: 4.30 min Scan# 404

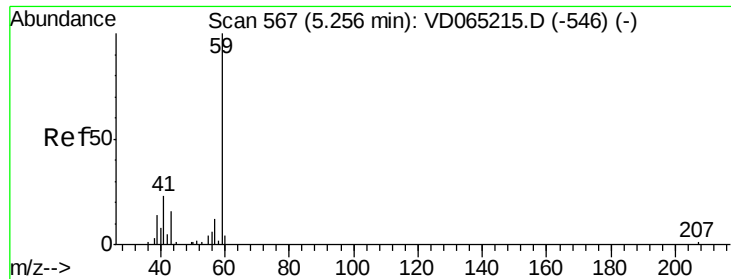
Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Tgt Ion:	142	Resp:	9480
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.8	50.8
141	13.0	11.7	17.5





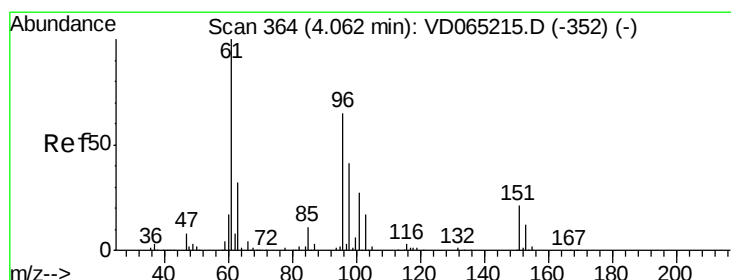
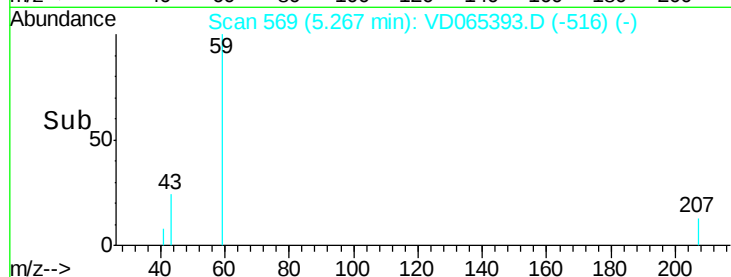
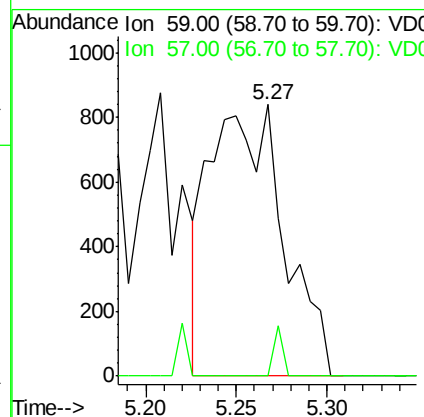
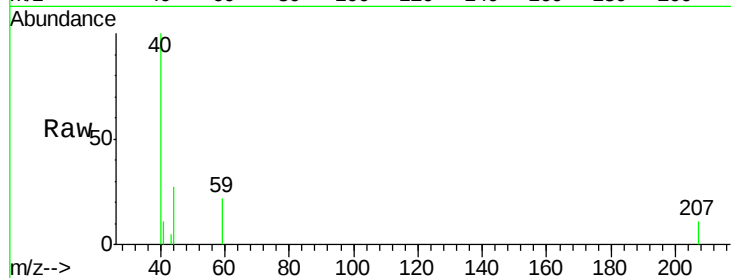
#11
Tert butyl alcohol
Concen: 10.767 ug/l
RT: 5.27 min Scan# 569
Delta R.T. 0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

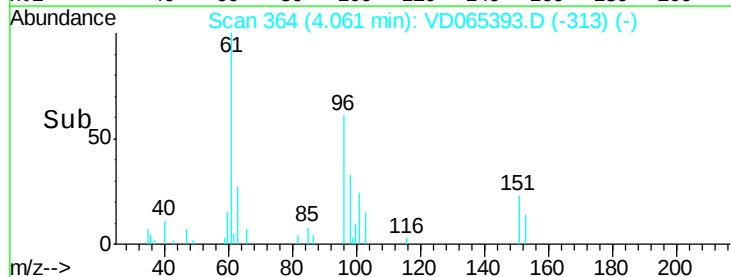
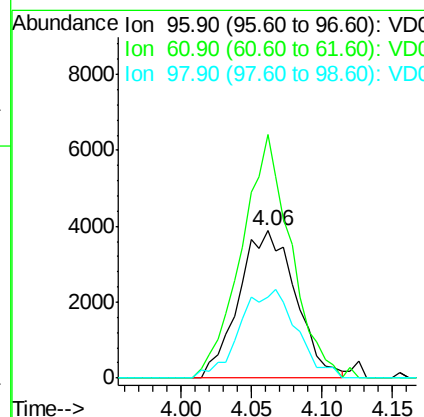
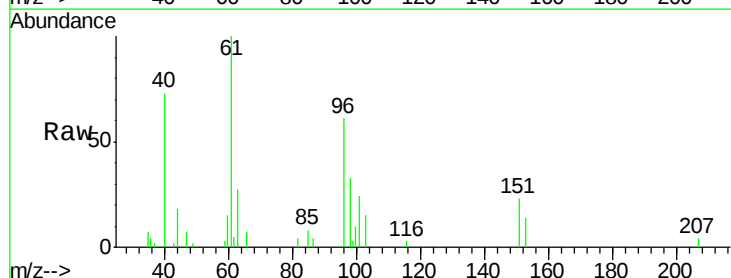
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#12
1,1-Dichloroethene
Concen: 2.904 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.2	123.3	184.9
98	54.8	51.0	76.4





#13

Acrolein

Concen: 11.412 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0307

Tot Ion: 56 Resp: 3716

Ion Ratio Lower Upper

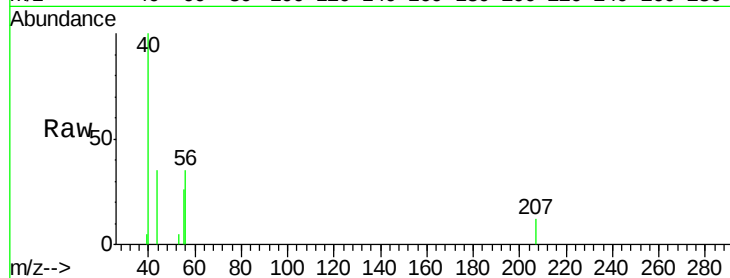
56 100

55 73.0 56.6 85.0

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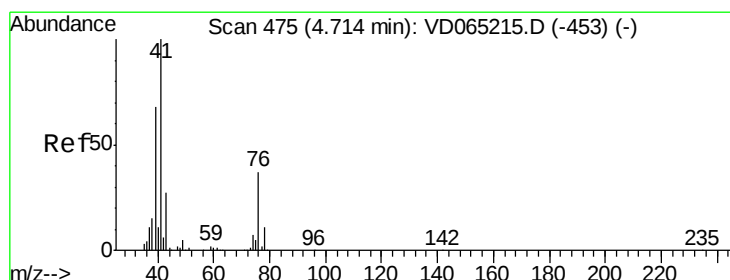
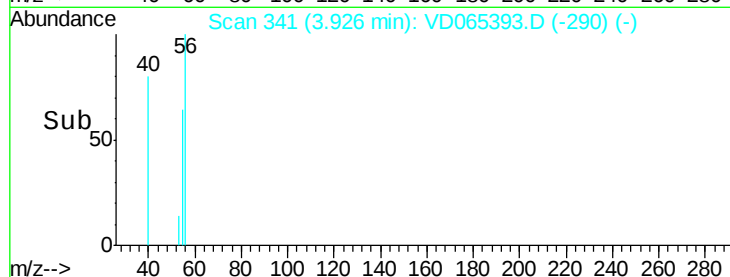
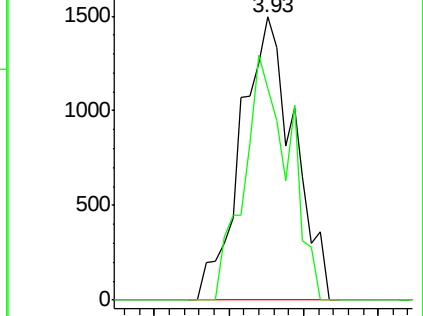
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 2.598 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

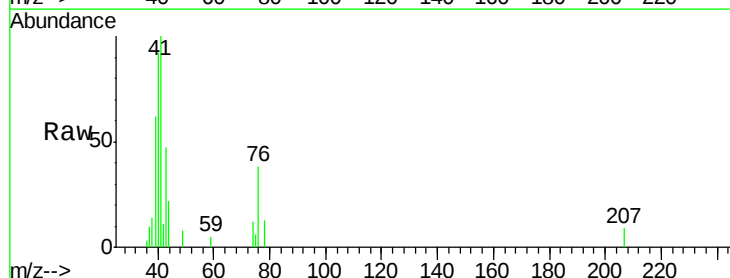
Tgt Ion: 41 Resp: 15917

Ion Ratio Lower Upper

41 100

39 68.1 53.8 80.6

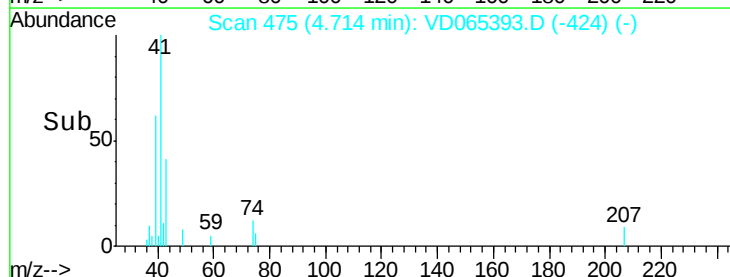
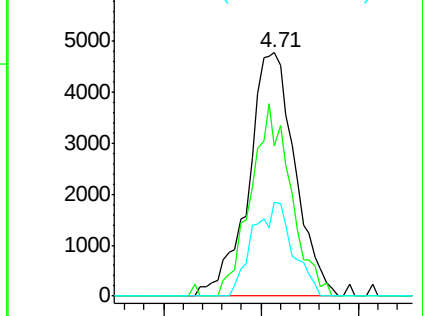
76 33.1 28.7 43.1

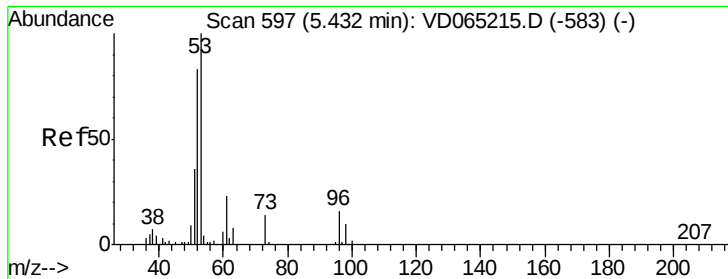


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 12.612 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

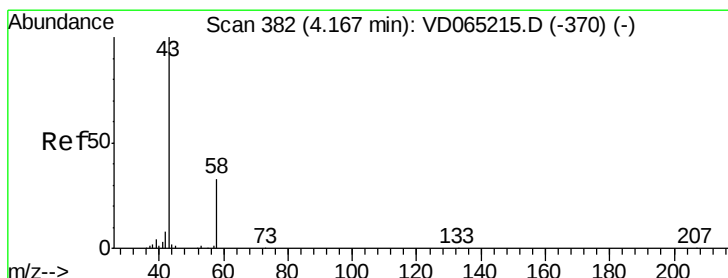
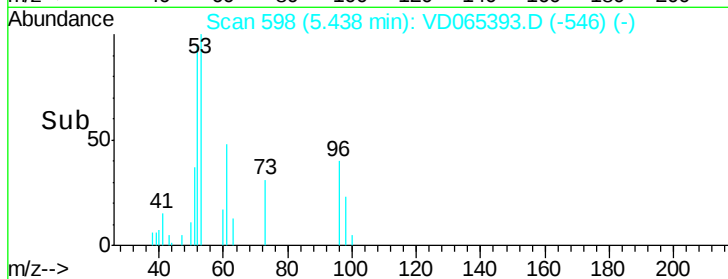
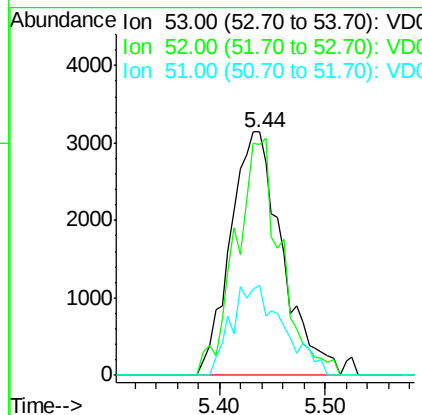
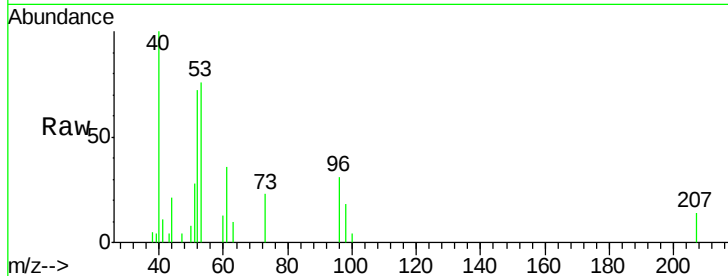
ClientSampleId :

VD0307

Tot Ion:	53	Resp:	10659
Ion	Ratio	Lower	Upper
53	100		
52	85.8	65.4	98.2
51	37.5	29.5	44.3

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#16

Acetone

Concen: 14.061 ug/l

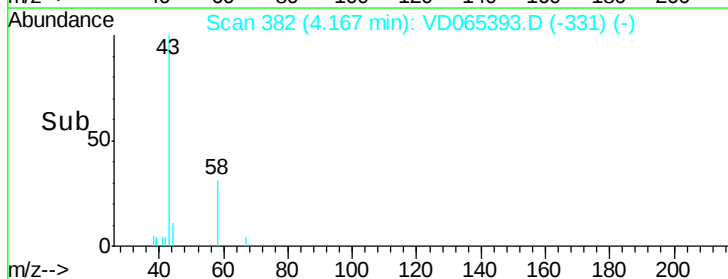
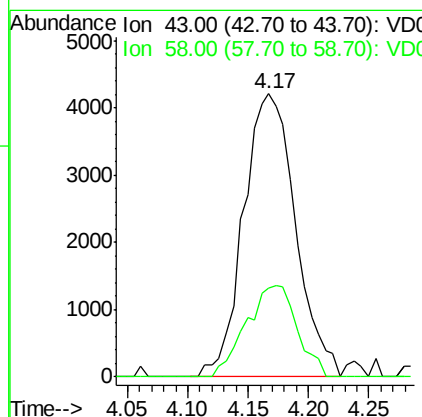
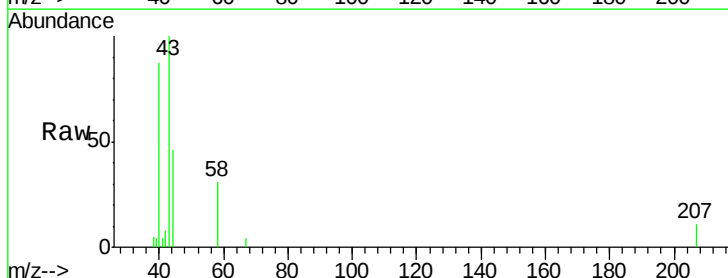
RT: 4.17 min Scan# 382

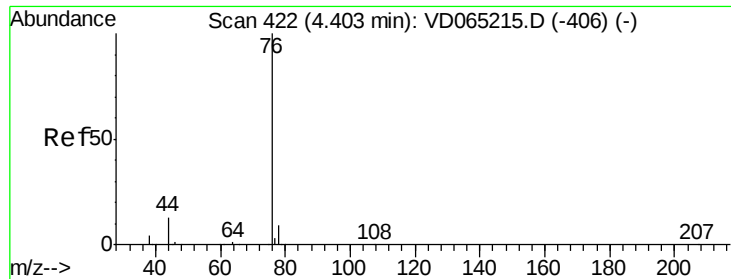
Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Tgt Ion:	43	Resp:	12582
Ion	Ratio	Lower	Upper
43	100		
58	31.3	26.2	39.2





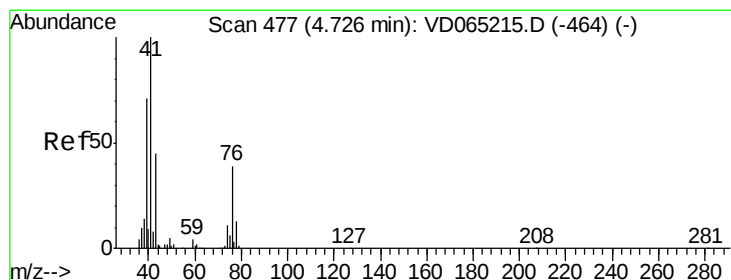
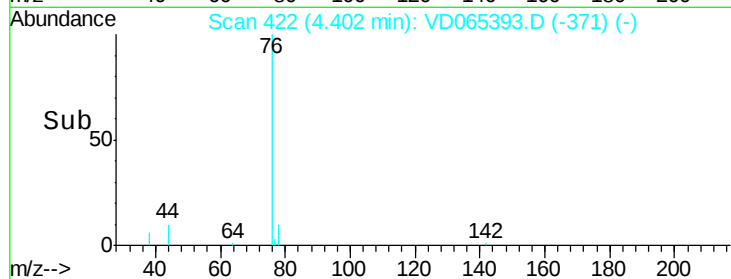
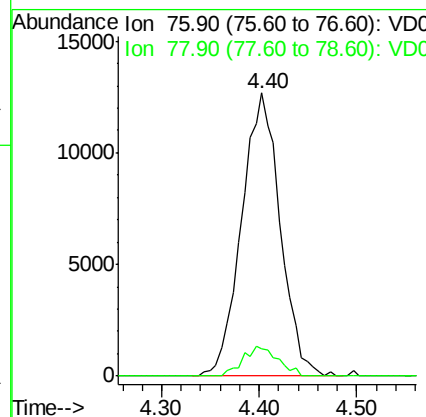
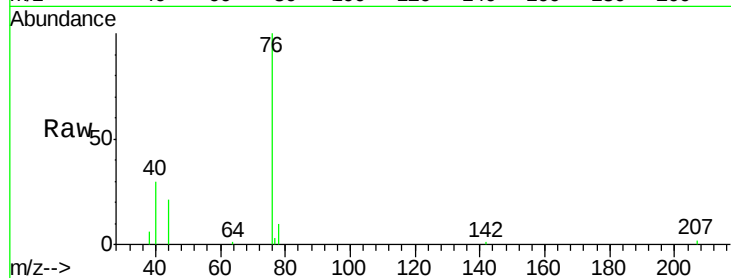
#17
Carbon Disulfide
Concen: 2.758 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.5	7.0	10.6	

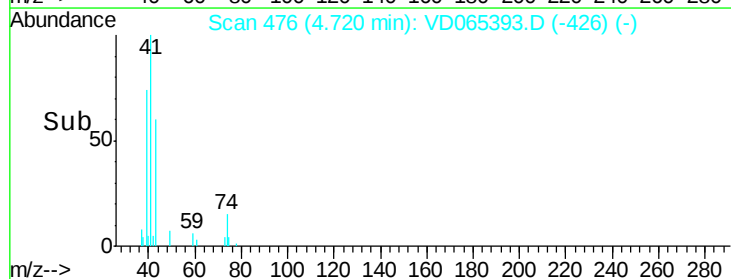
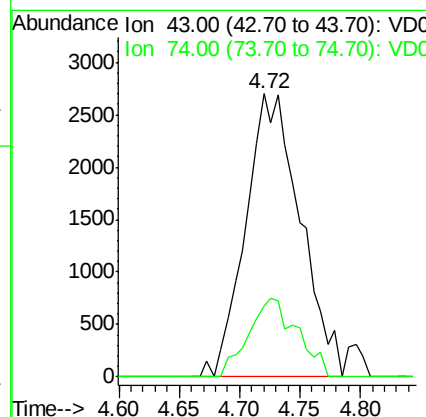
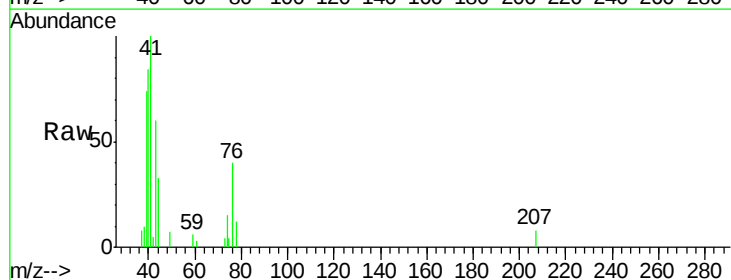
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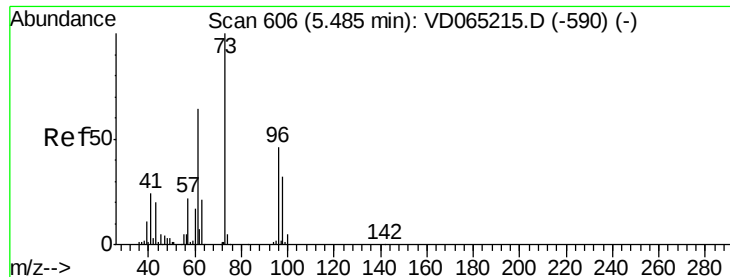
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#18
Methyl Acetate
Concen: 4.221 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	24.6	19.4	29.2	





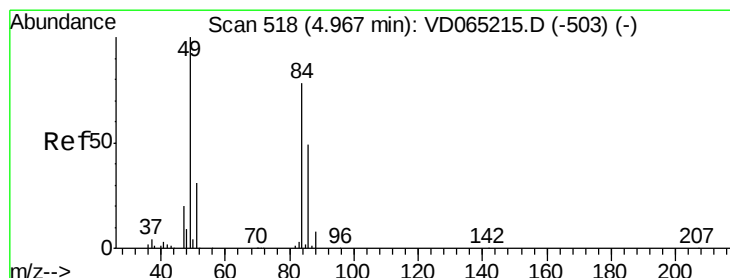
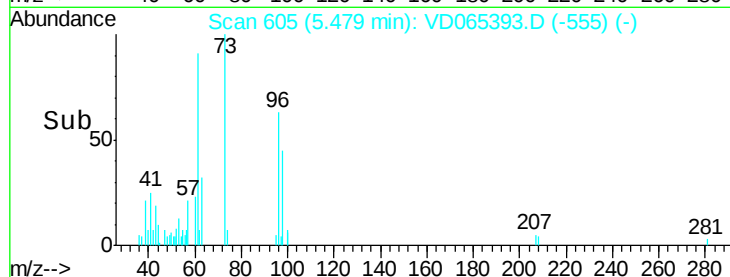
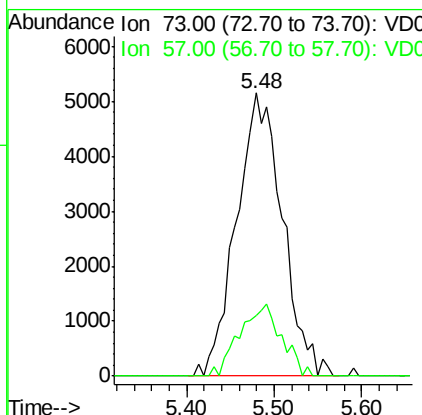
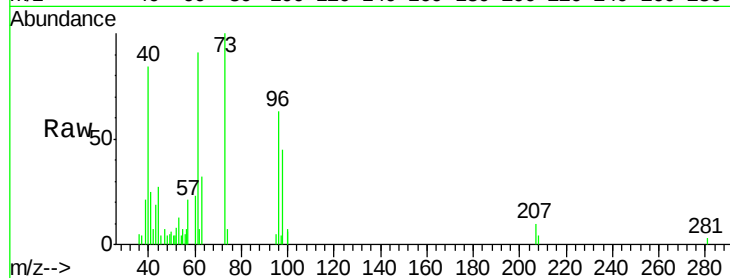
#19
Methvl tert-butvl Ether
Concen: 2.342 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion: 73 Resp: 18422
Ion Ratio Lower Upper
73 100
57 21.4 17.3 25.9

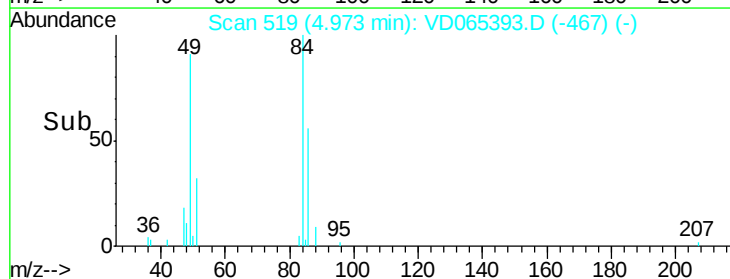
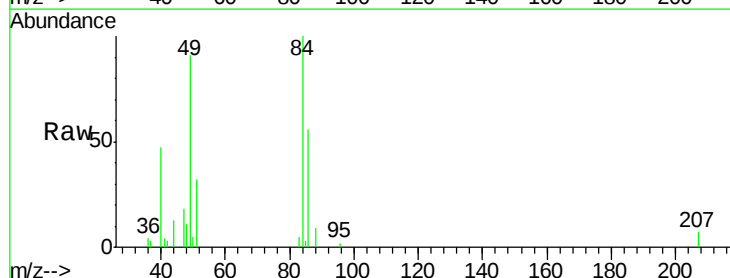
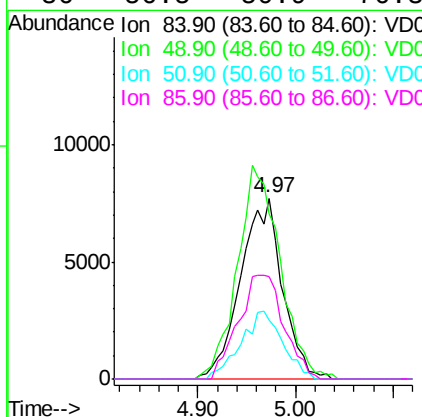
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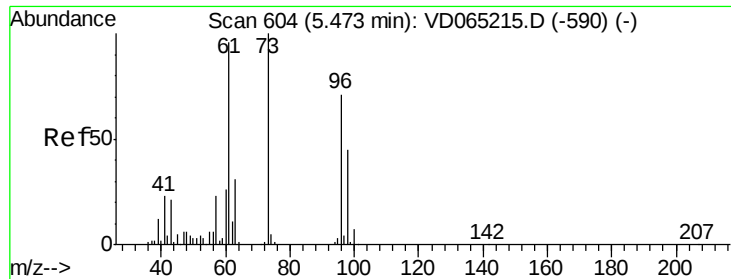
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#20
Methylene Chloride
Concen: 5.073 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion: 84 Resp: 23042
Ion Ratio Lower Upper
84 100
49 91.3 103.1 154.7#
51 32.4 31.7 47.5
86 56.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 2.735 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

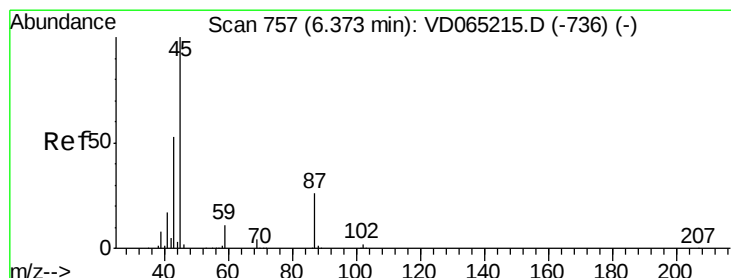
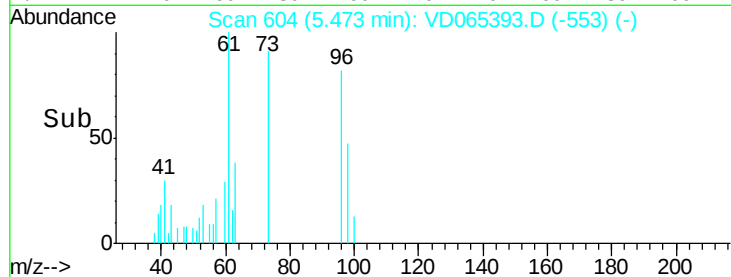
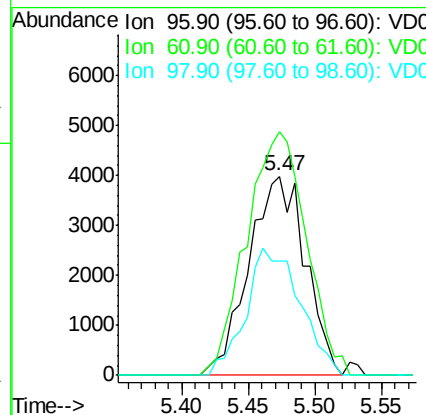
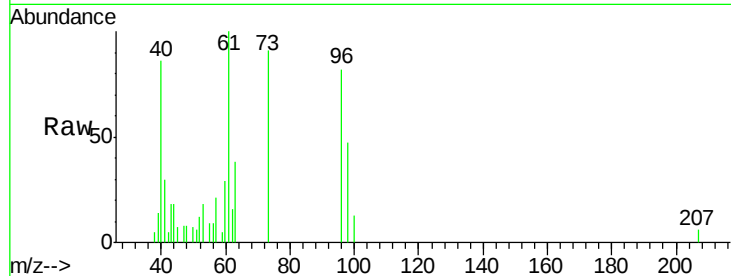
ClientSampled :

VD0307

Tot Ion:	96	Resp:	11729
Ion	Ratio	Lower	Upper
96	100		
61	122.5	108.3	162.5
98	57.8	50.7	76.1

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#22

Diisopropyl ether

Concen: 2.141 ug/l

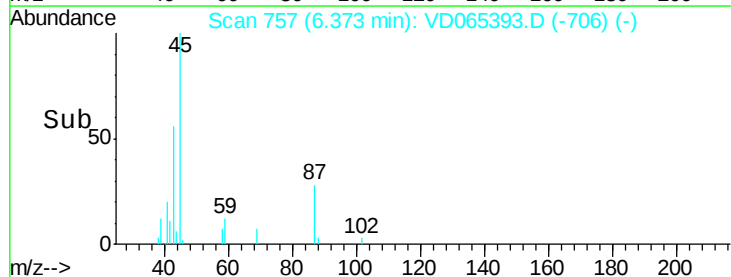
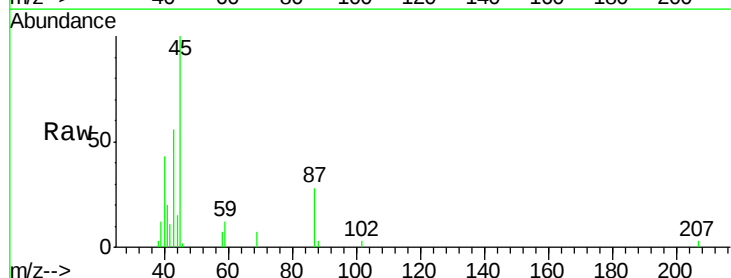
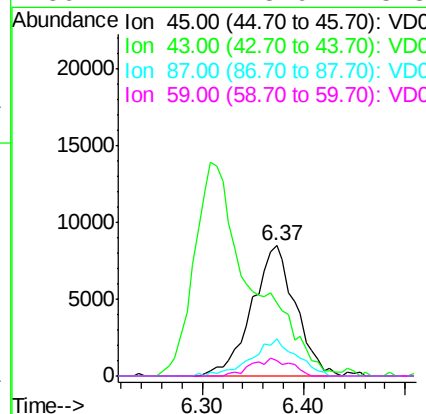
RT: 6.37 min Scan# 757

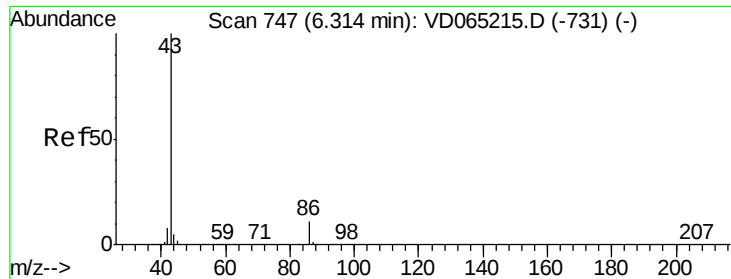
Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Tgt Ion:	45	Resp:	25286
Ion	Ratio	Lower	Upper
45	100		
43	53.4	42.6	64.0
87	28.1	21.2	31.8
59	11.7	8.9	13.3





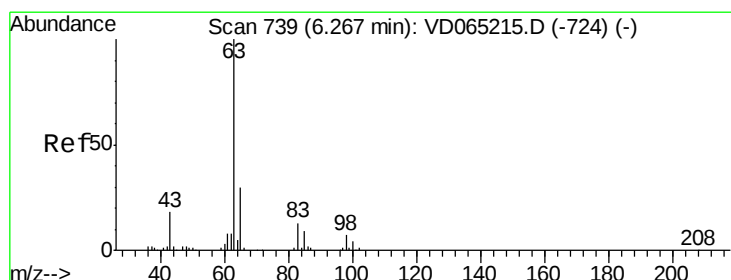
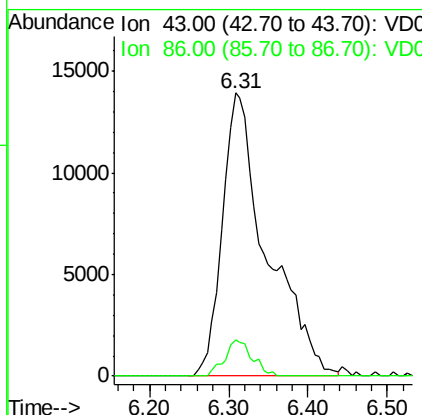
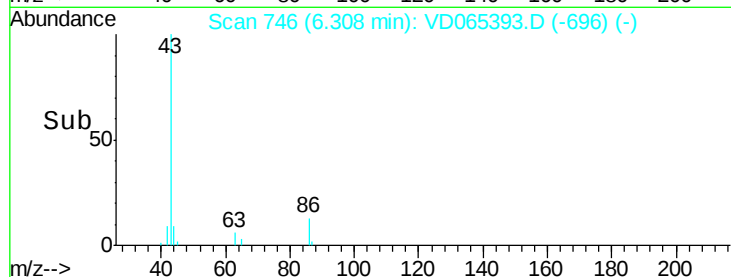
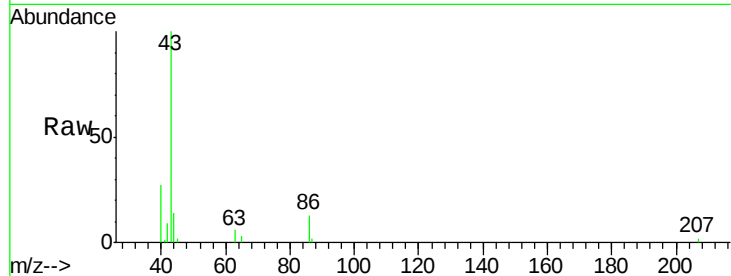
#23
 Vinyl Acetate
 Concen: 8.319 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD065393.D
 Acq: 03 Mar 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

Tot Ion	Ratio	Lower	Upper
43	100		
86	12.6	8.6	12.8

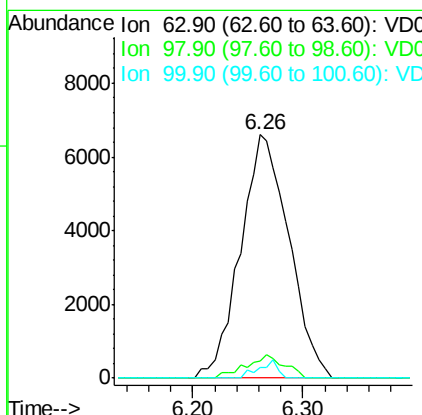
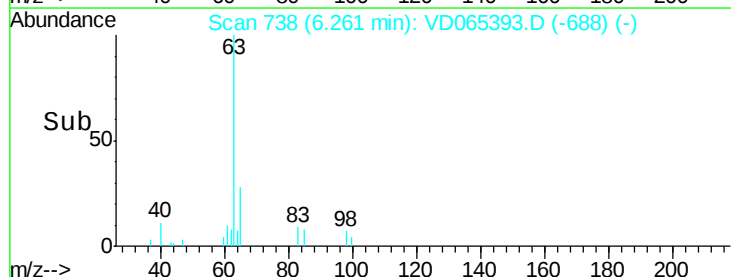
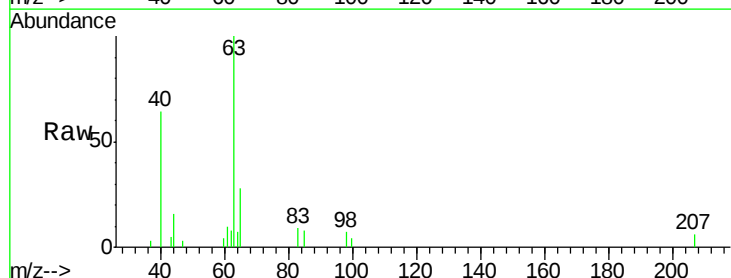
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#24
 1,1-Dichloroethane
 Concen: 2.764 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD065393.D
 Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.3	2.3	6.8





#25

2-Butanone

Concen: 12.125 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

ClientSampled :

VD0307

Tot Ion: 43 Resp: 13727

Ion Ratio Lower Upper

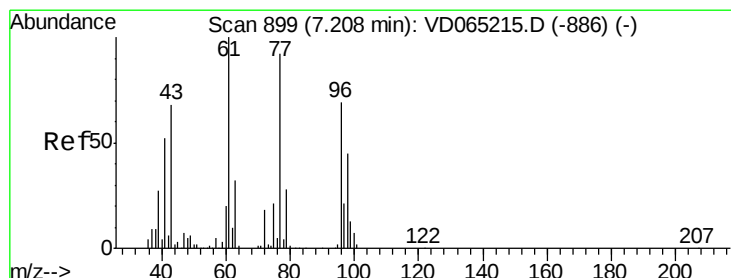
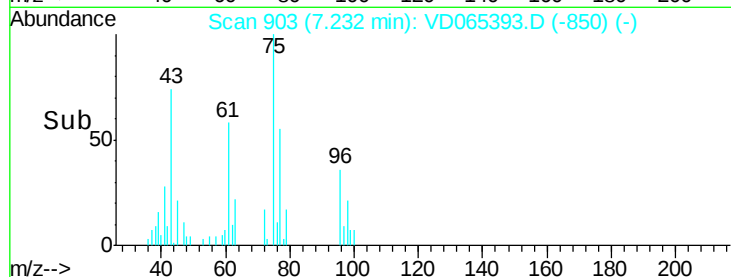
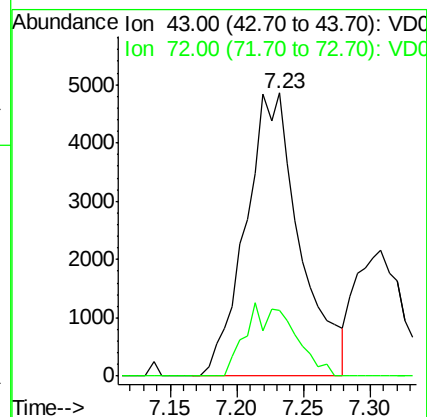
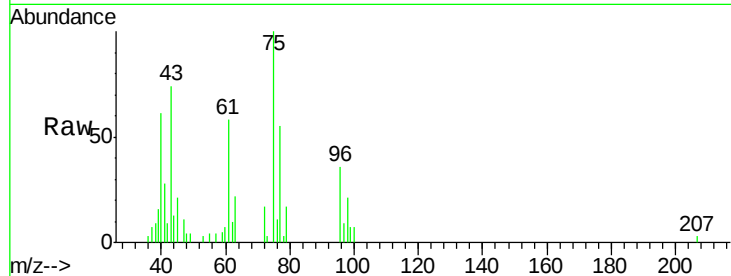
43 100

72 23.2 20.9 31.3

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 2.872 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065393.D

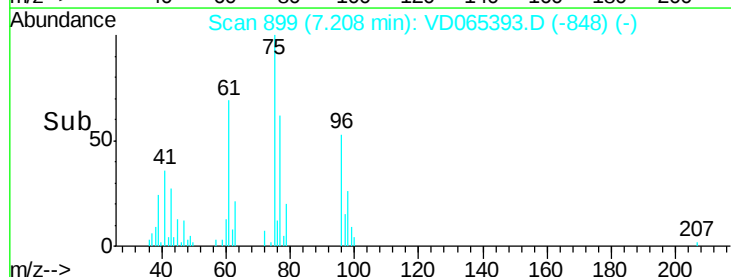
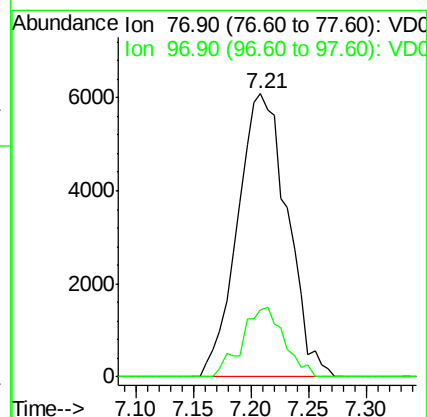
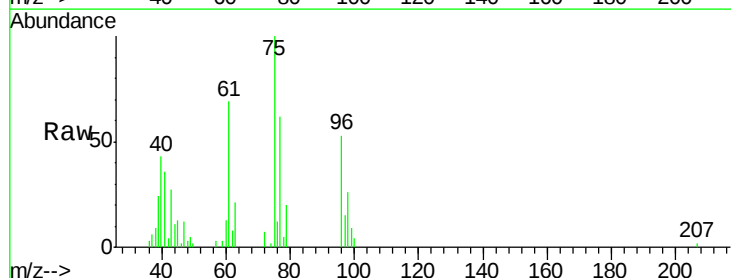
Acq: 03 Mar 2020 14:36

Tgt Ion: 77 Resp: 18254

Ion Ratio Lower Upper

77 100

97 20.8 11.7 35.1





#27

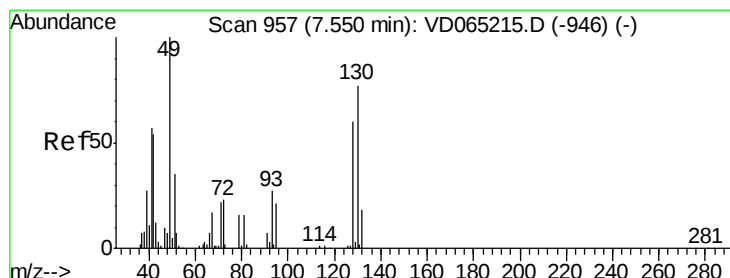
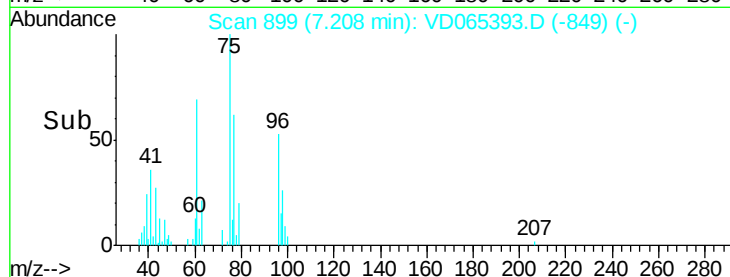
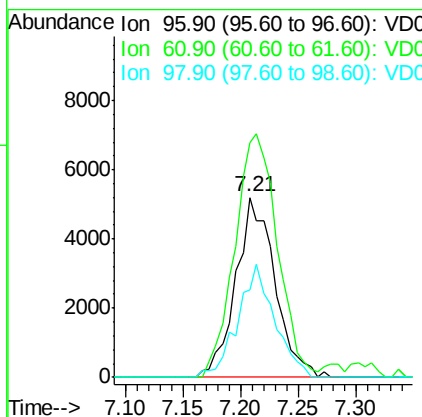
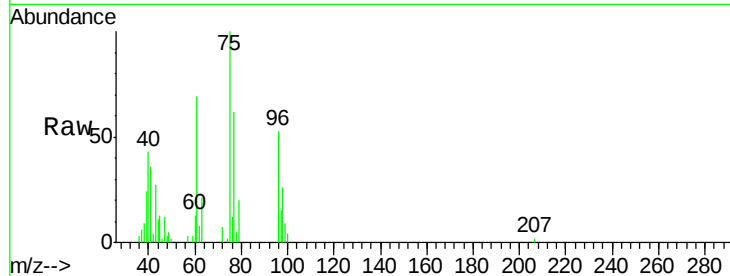
cis-1,2-Dichloroethene
Concen: 2.691 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	286.0
98	59.1	0.0	127.8

Manual Integrations
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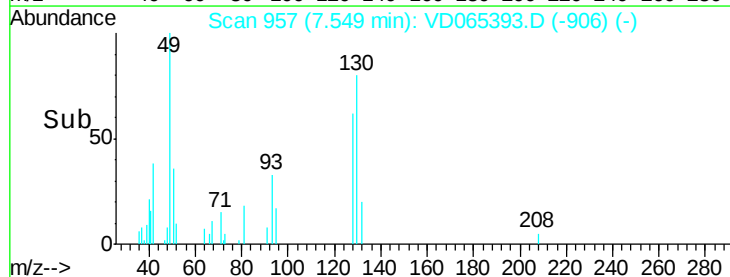
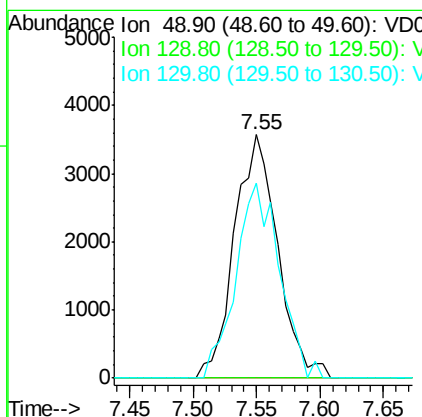
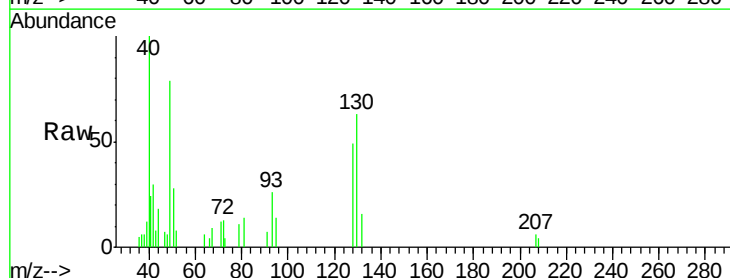
MMDadoda
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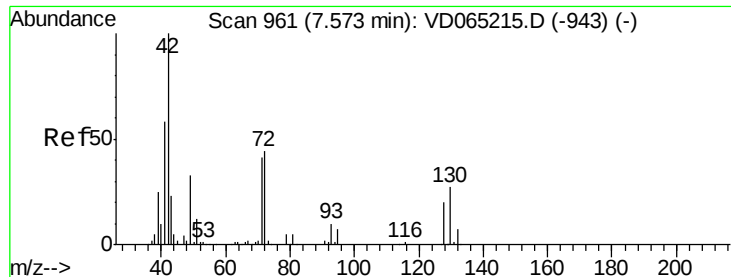


#28

Bromochloromethane
Concen: 3.106 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	81.1	64.7	97.1





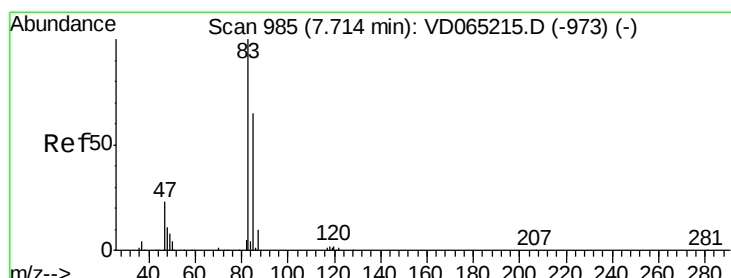
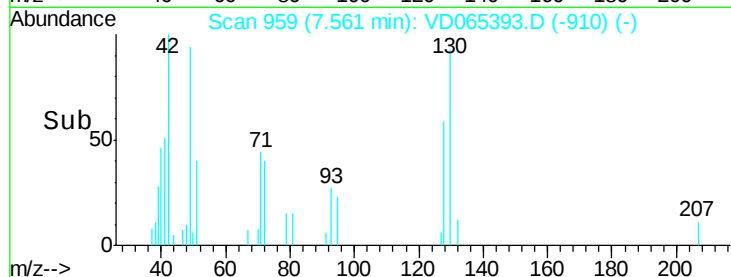
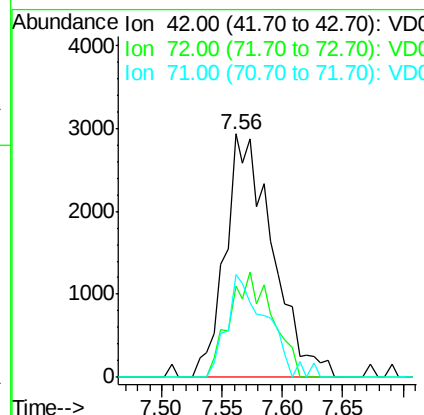
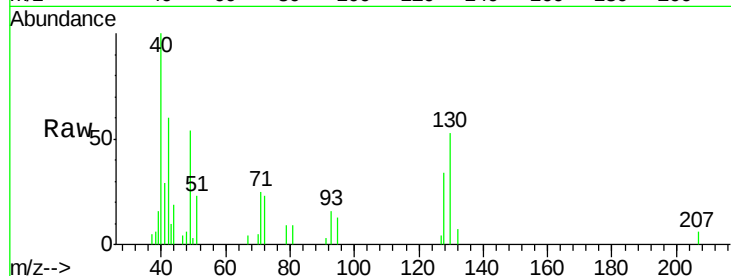
#29
Tetrahydrofuran
Concen: 11.988 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	33.7	50.5
71	35.3	31.4	47.2

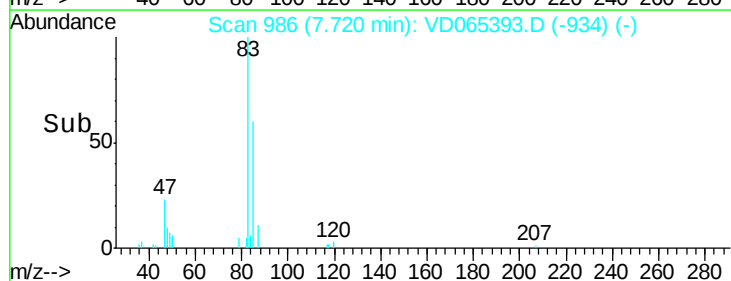
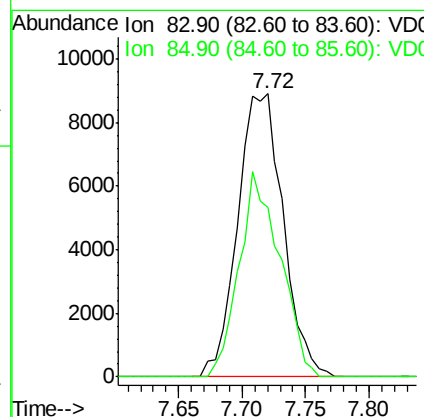
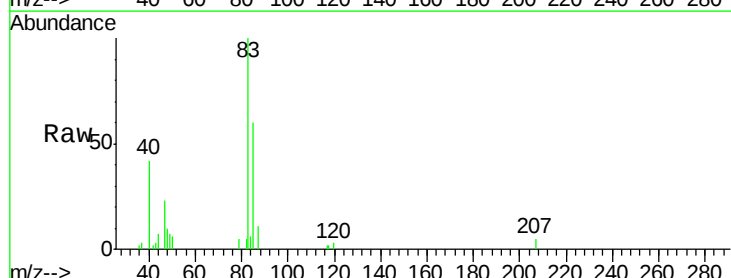
Manual Integrations
APPROVED

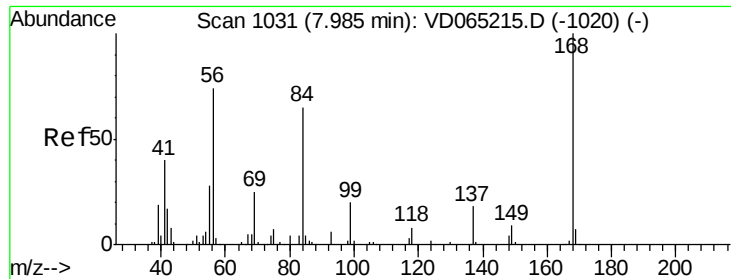
MMDadoda
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#30
Chloroform
Concen: 3.015 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	52.3	78.5





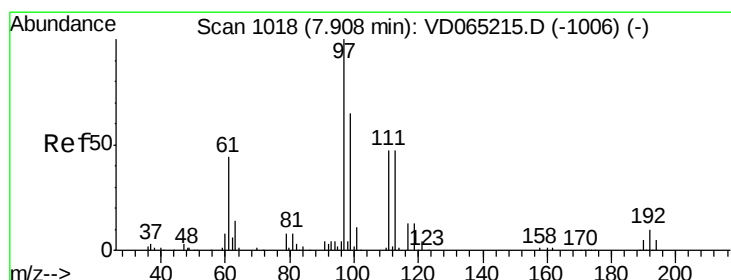
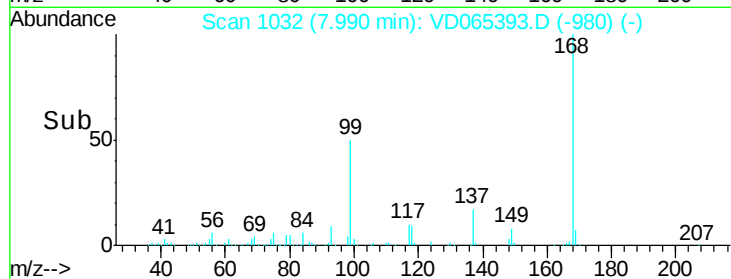
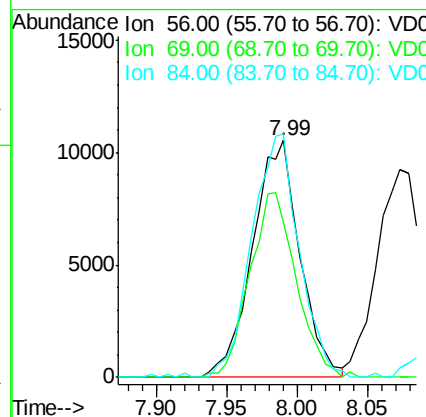
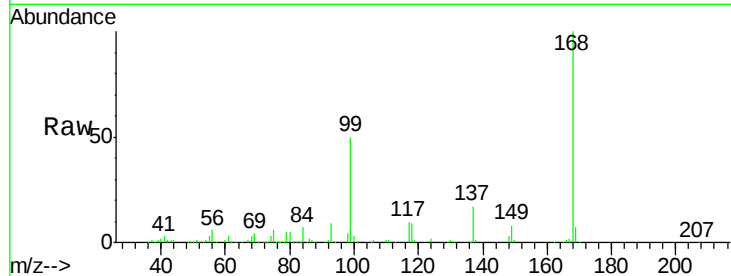
#31
Cyclohexane
Concen: 3.430 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampled :
VD0307

Tot Ion	Ratio	Lower	Upper
56	100		
69	65.3	27.4	41.0#
84	102.7	71.1	106.7

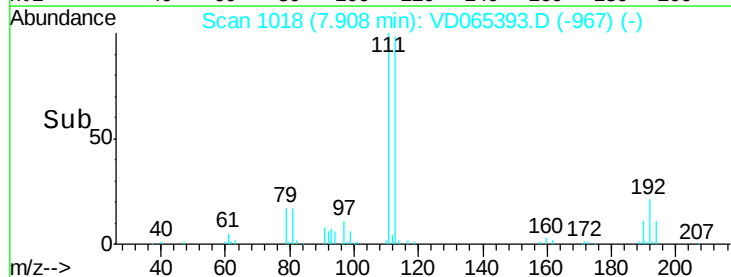
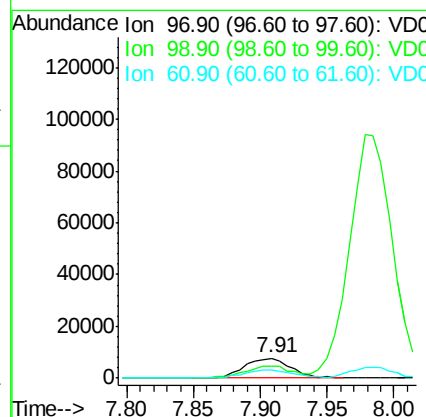
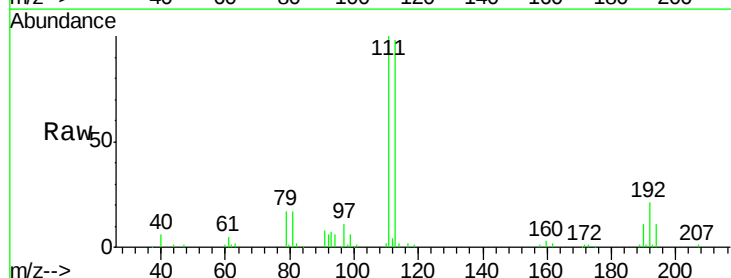
Manual Integrations
APPROVED

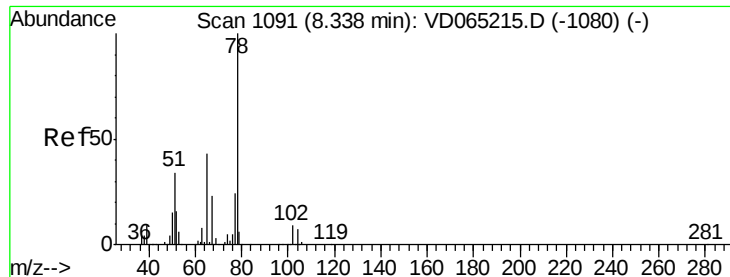
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 2.815 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	42.1	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 53.632 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0307

Tot Ion: 65 Resp: 196316

Ion Ratio Lower Upper

65 100

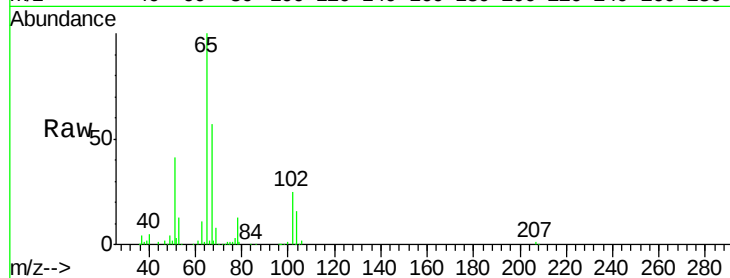
67 53.8 0.0 106.8

Manual Integrations

APPROVED

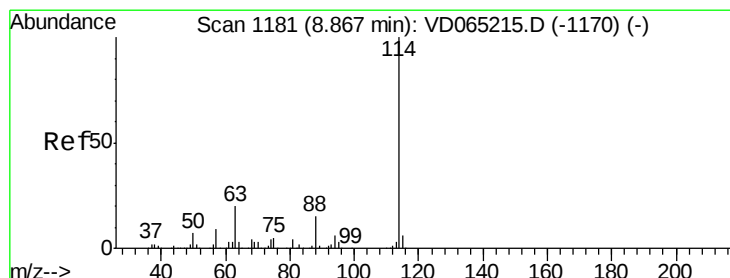
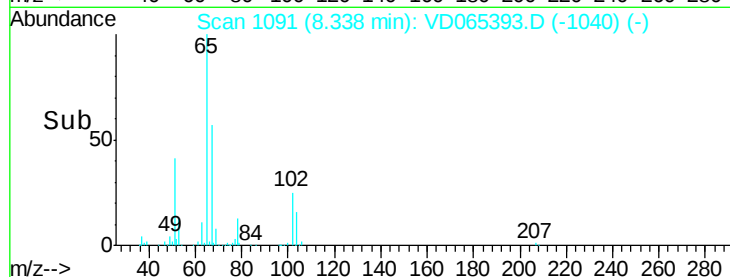
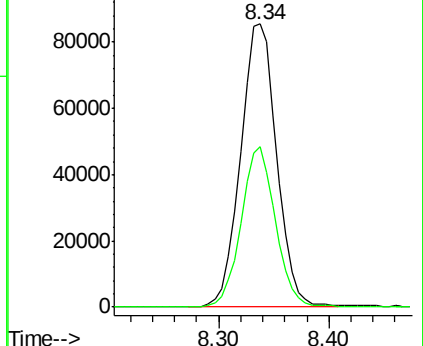
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

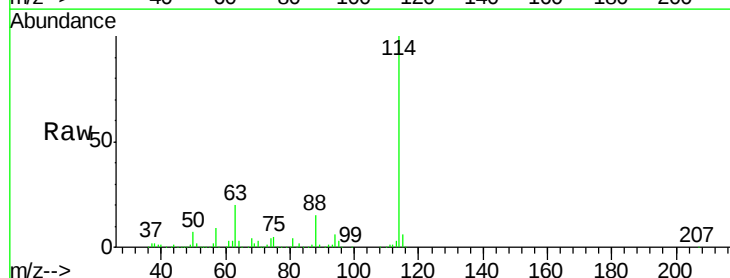
Tgt Ion: 114 Resp: 633050

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

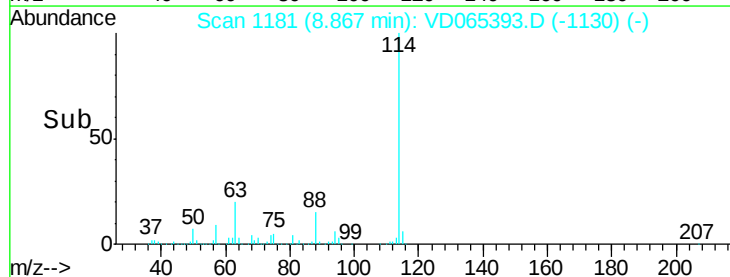
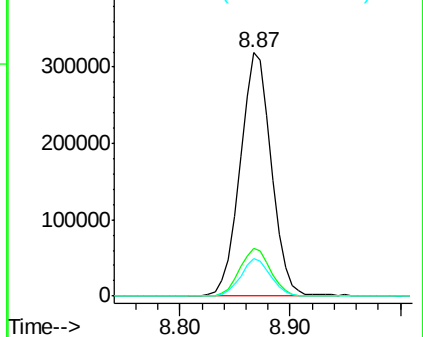
88 15.2 0.0 30.4

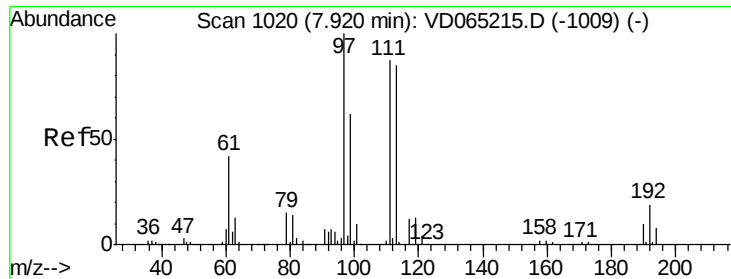


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





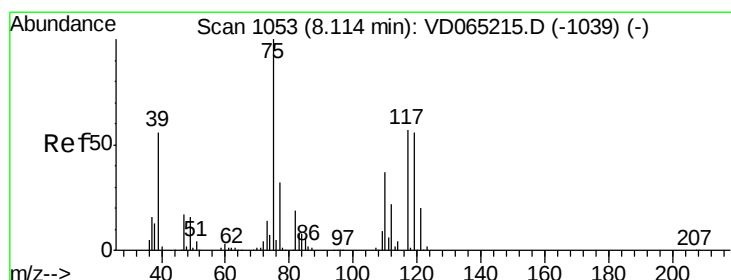
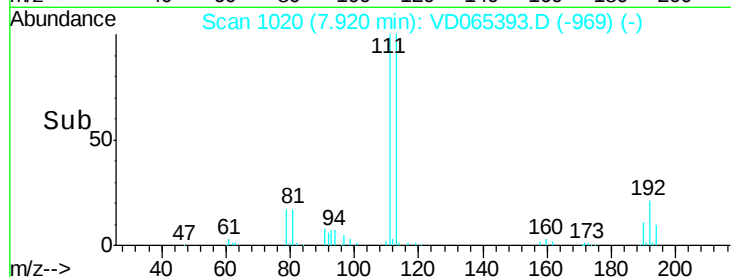
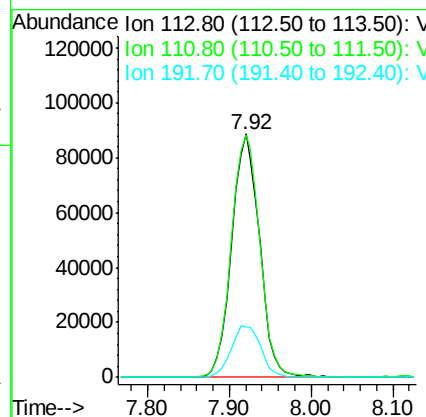
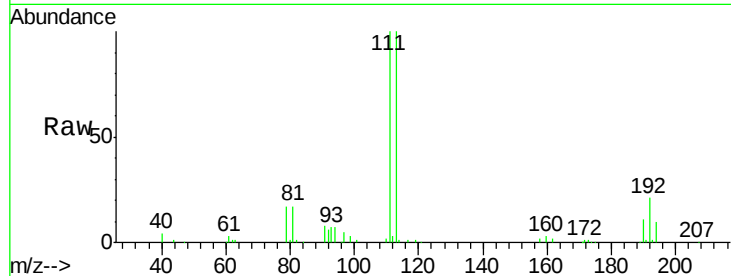
#35
Dibromofluoromethane
Concen: 54.526 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion	Ratio	Resp	Lower	Upper
113	100	210470		
111	101.9	82.9	124.3	
192	22.4	17.3	25.9	

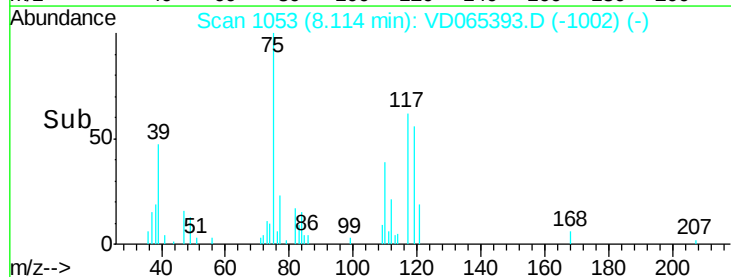
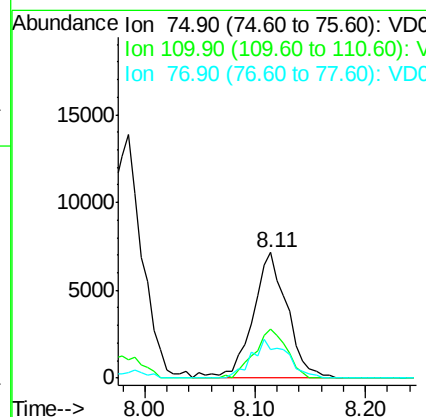
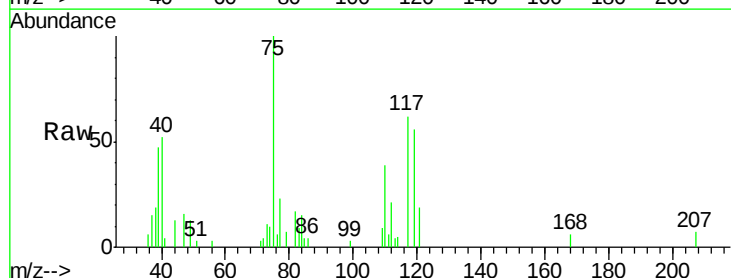
Manual Integrations
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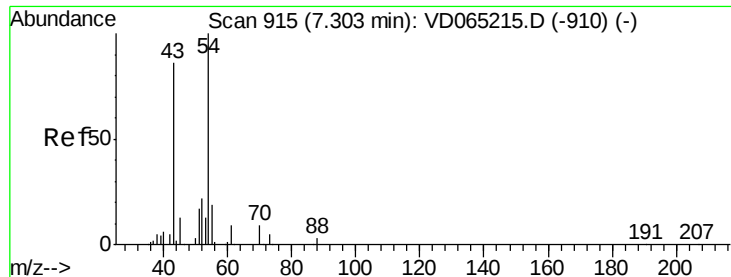
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3/4/2020 2:01:34 PM



#36
1,1-Dichloropropene
Concen: 2.548 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15693		
110	36.6	17.9	53.7	
77	31.3	25.1	37.7	





#37

Ethyl Acetate

Concen: 1.657 ug/l

RT: 7.31 min Scan# 916

Delta R.T. 0.01 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

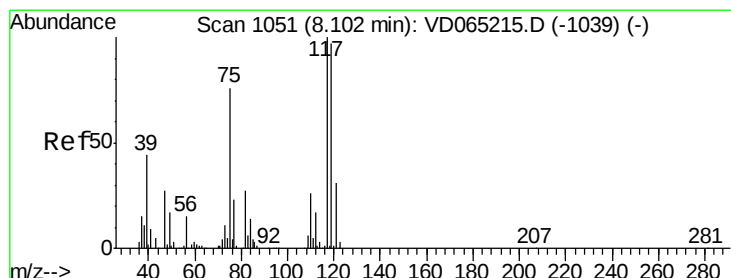
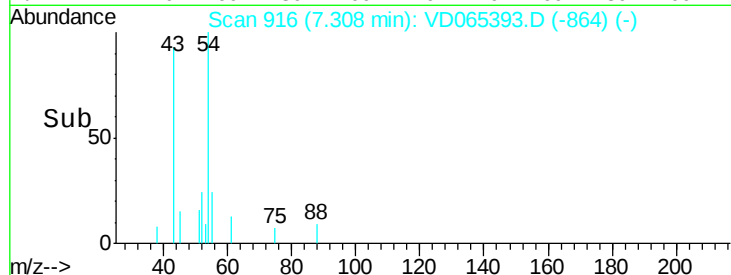
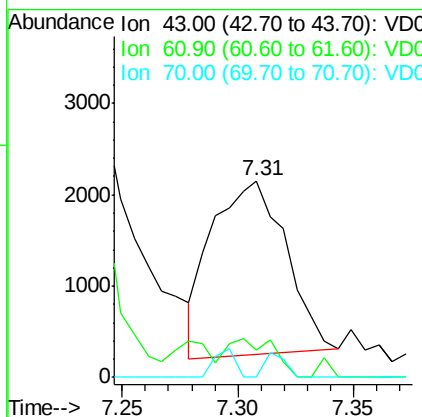
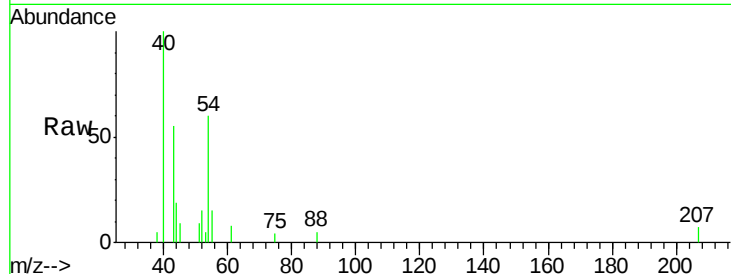
ClientSampleId :

VD0307

Tot Ion:	43	Resp:	4267
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.2	16.8
70	4.0	8.2	12.2#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 2.774 ug/l

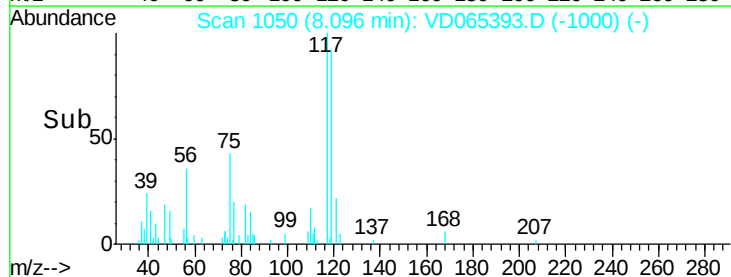
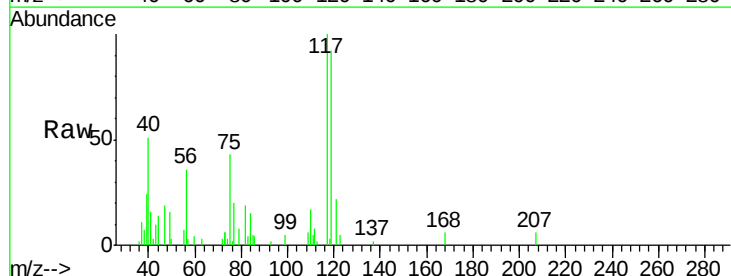
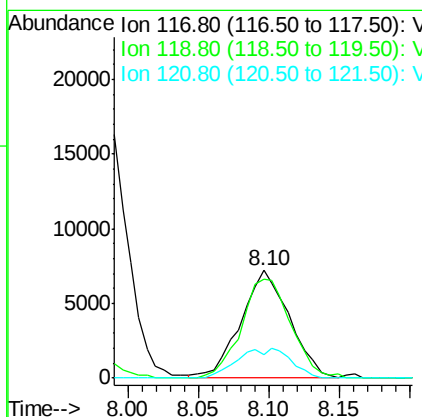
RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Tgt Ion:	117	Resp:	17395
Ion	Ratio	Lower	Upper
117	100		
119	92.2	77.6	116.4
121	21.9	24.8	37.2#





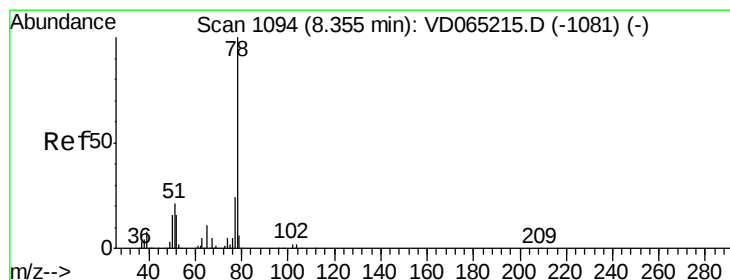
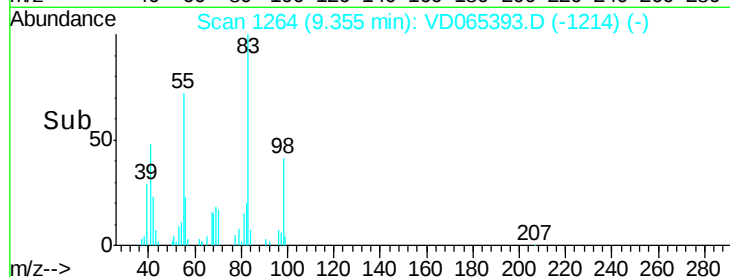
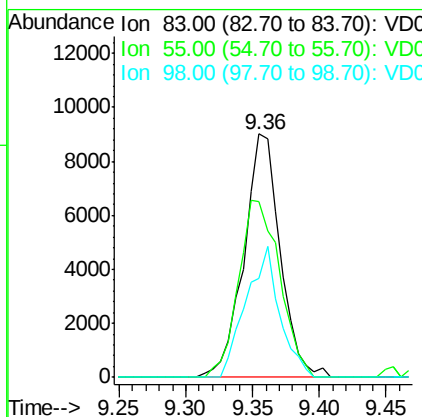
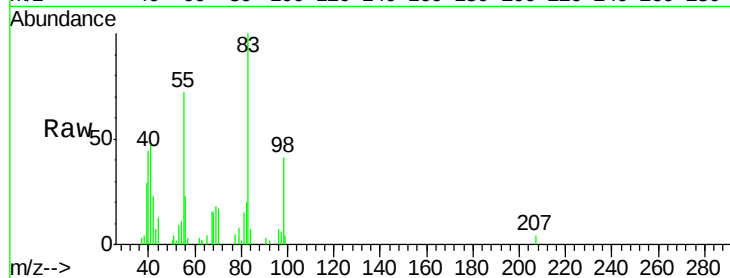
#39
Methvlcvclohexane
Concen: 2.335 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	61.8	92.6
98	40.5	39.4	59.0

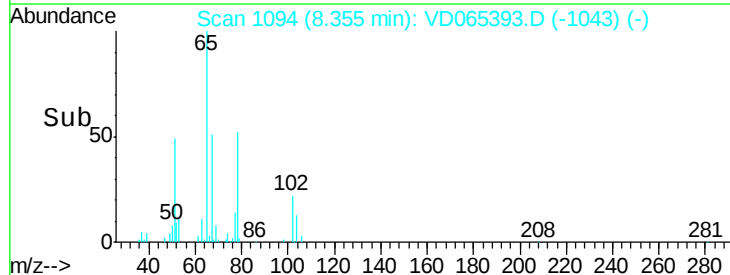
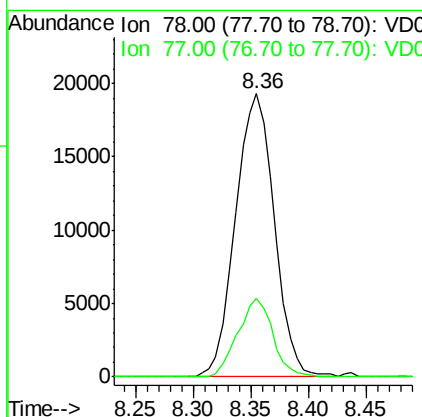
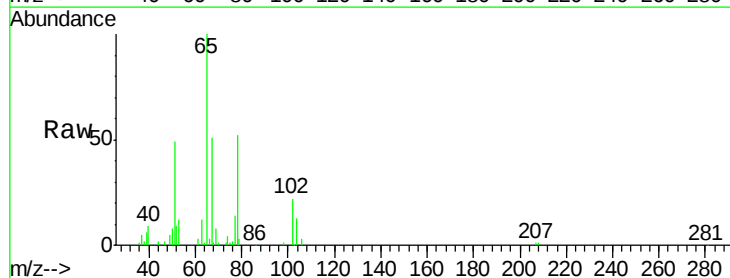
Manual Integrations
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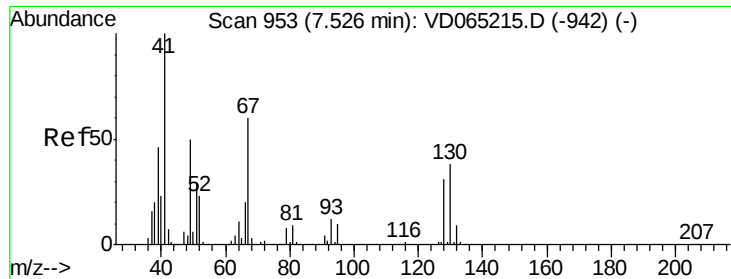
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3/4/2020 2:01:34 PM



#40
Benzene
Concen: 2.585 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.9	19.0	28.6





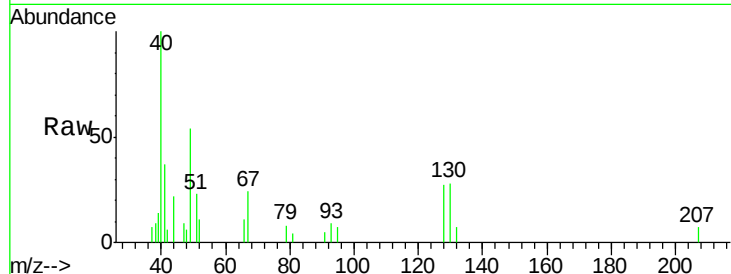
#41
Methacrylonitrile
Concen: 2.055 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

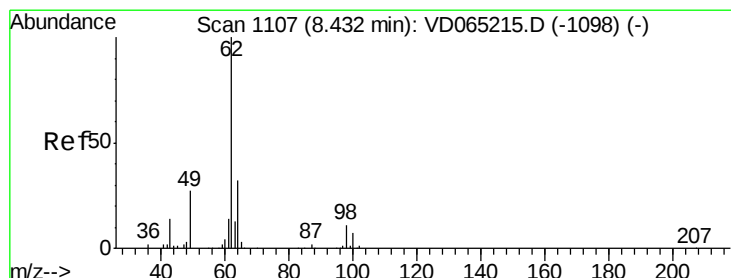
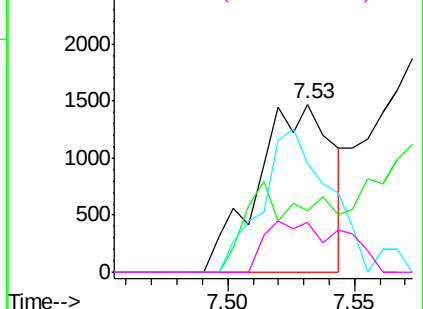
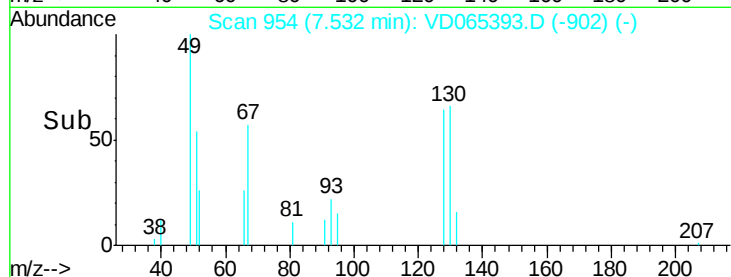
Tot Ion:	41	Resp:	3056
Ion	Ratio	Lower	Upper
41	100		
39	36.8	48.1	72.1#
67	79.7	58.9	88.3
52	31.9	24.2	36.2

Manual Integrations
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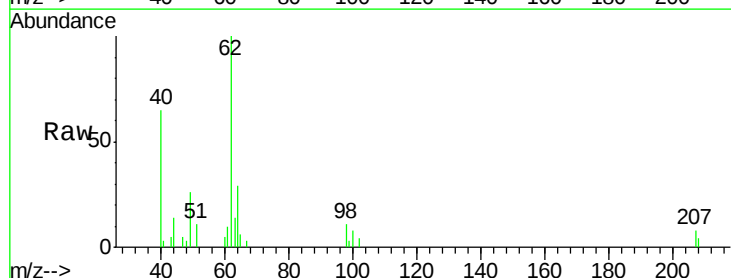


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

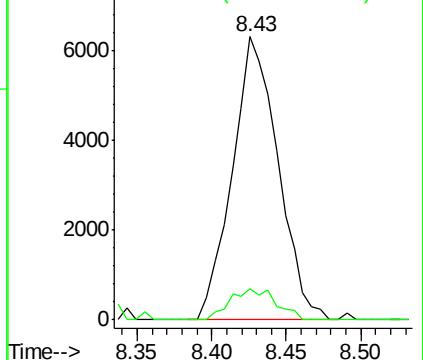
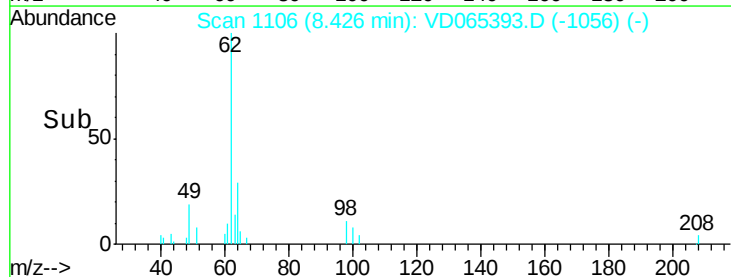


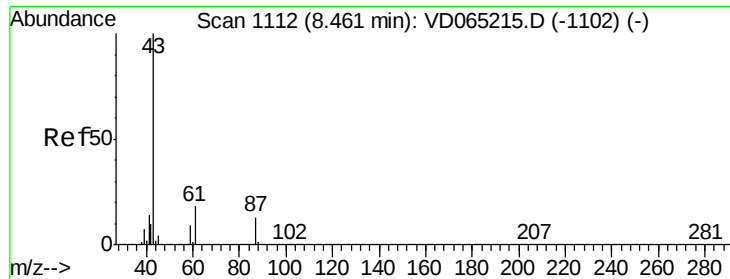
#42
1,2-Dichloroethane
Concen: 2.805 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion:	62	Resp:	13407
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 2.327 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

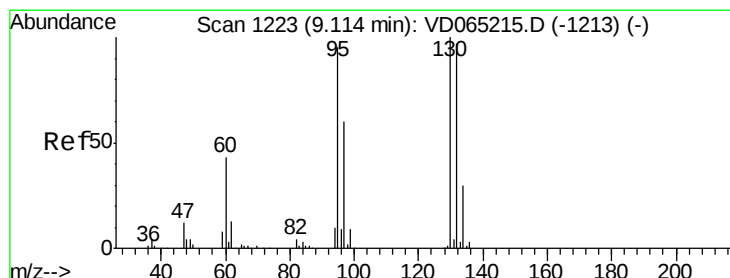
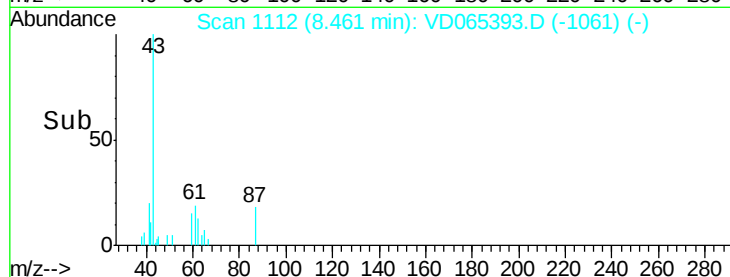
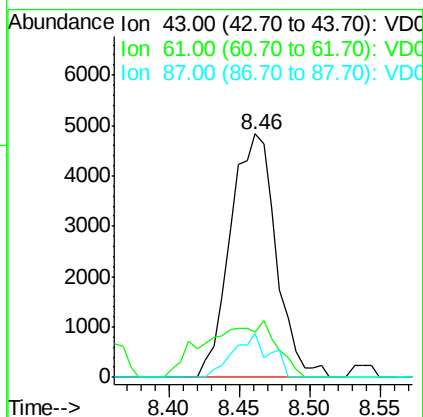
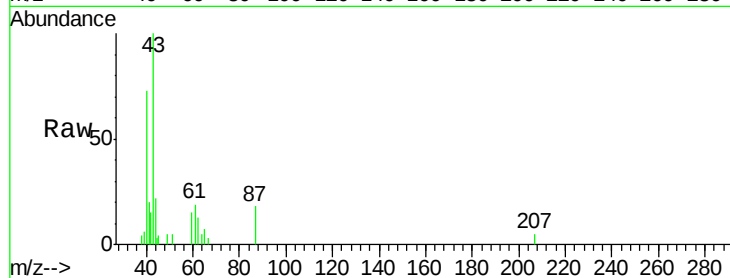
ClientSampleId :

VD0307

Tot Ion:	43	Resp:	10897
Ion	Ratio	Lower	Upper
43	100		
61	35.0	24.6	36.8
87	14.3	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 2.679 ug/l

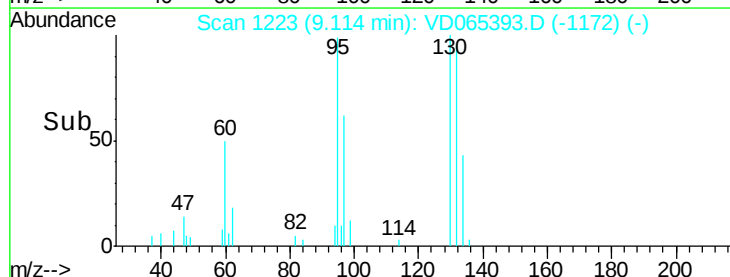
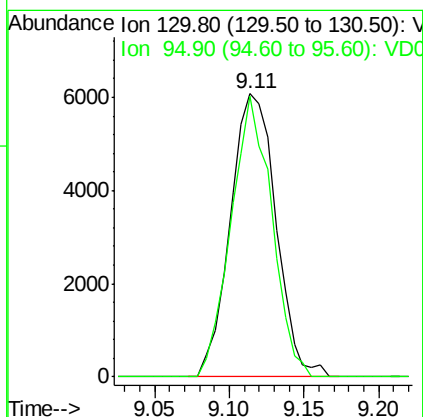
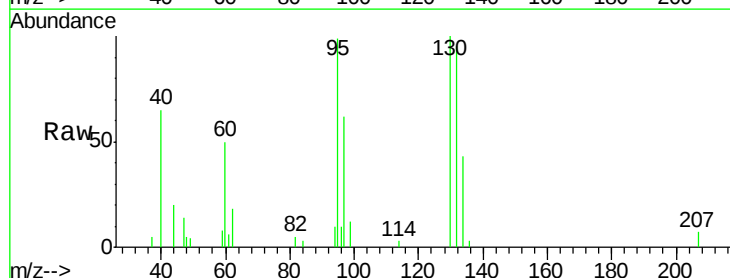
RT: 9.11 min Scan# 1223

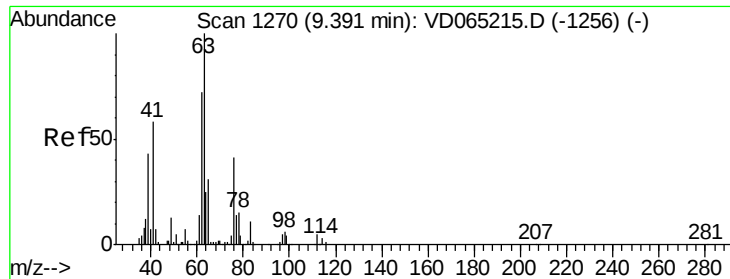
Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Tgt Ion:	130	Resp:	12911
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	190.6





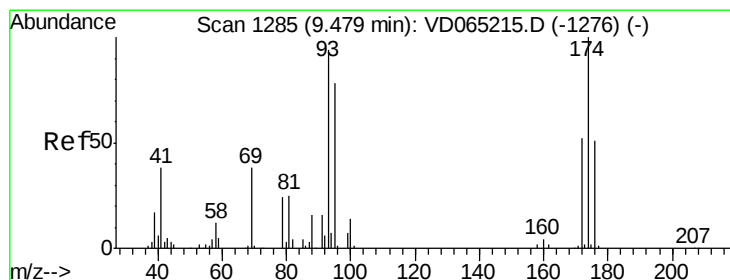
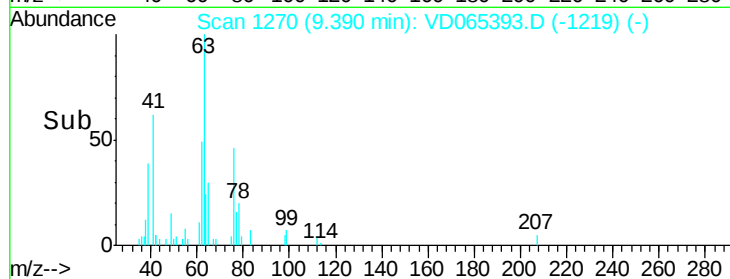
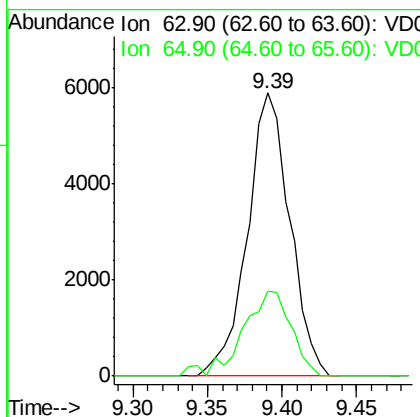
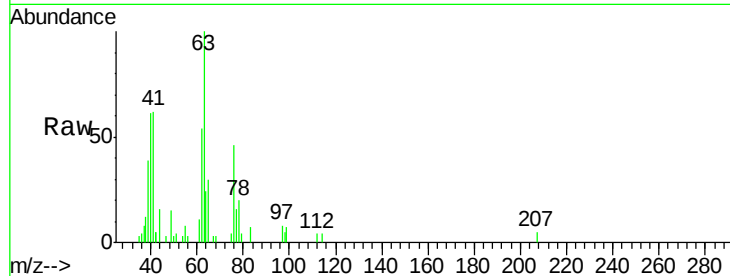
#45
 1,2-Dichloropropane
 Concen: 2.682 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065393.D
 Acq: 03 Mar 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.9	37.3

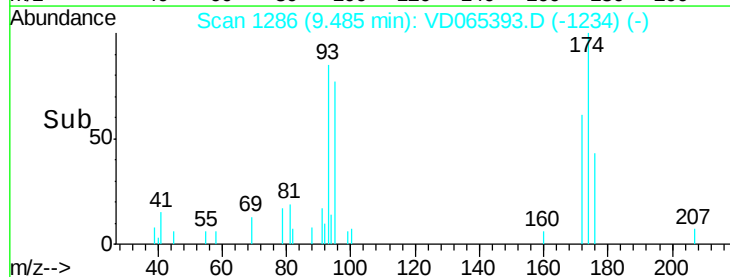
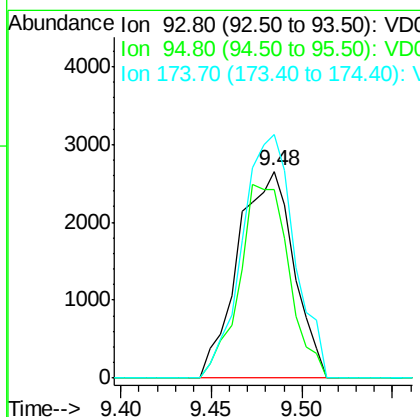
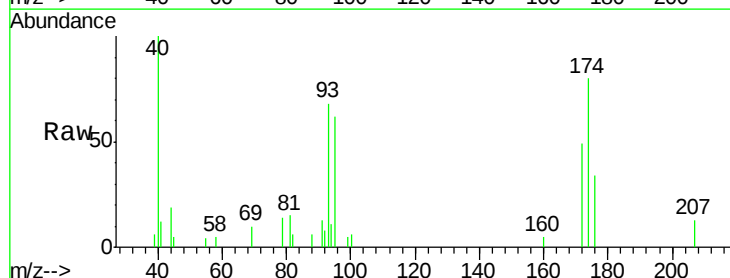
Manual Integrations
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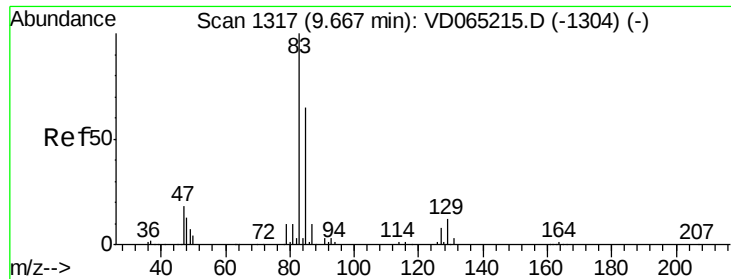
MMDadoda
 3/4/2020 2:01:34 PM



#46
 Dibromomethane
 Concen: 2.549 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065393.D
 Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.8	98.6
174	110.5	86.8	130.2





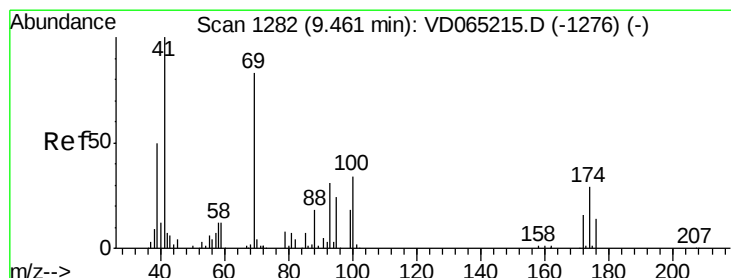
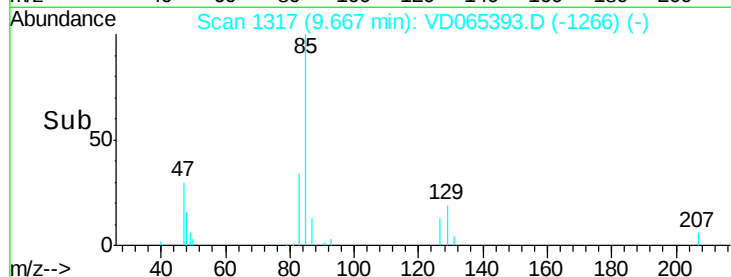
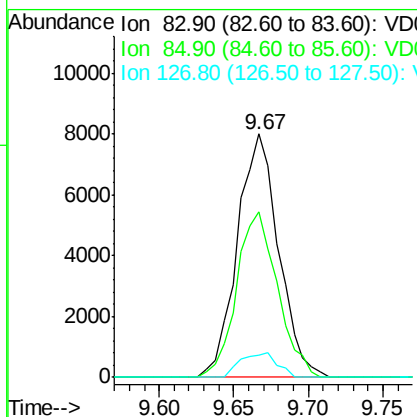
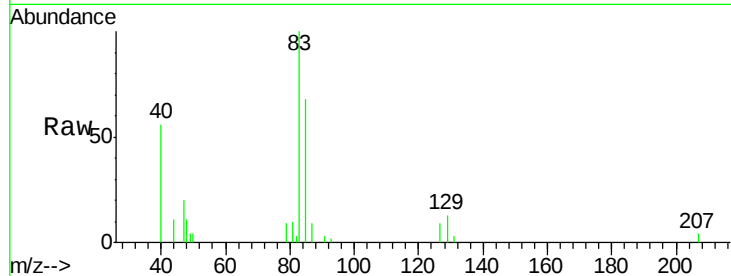
#47
Bromodichloromethane
Concen: 2.615 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampled :
VD0307

Tot Ion	83	Resp	15331
Ion Ratio	100	Lower	Upper
83	100		
85	67.8	52.0	78.0
127	8.9	6.7	10.1

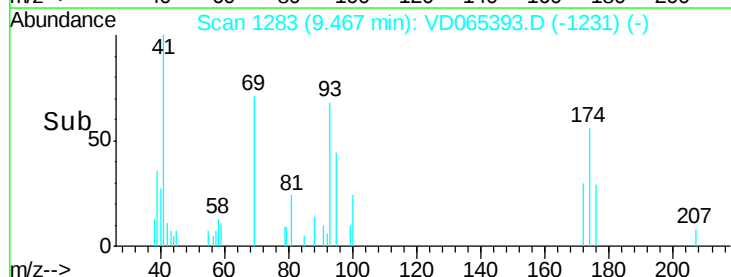
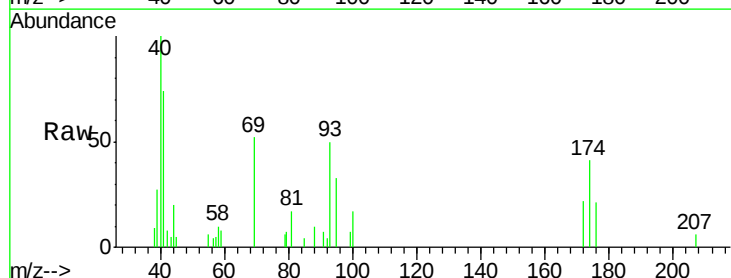
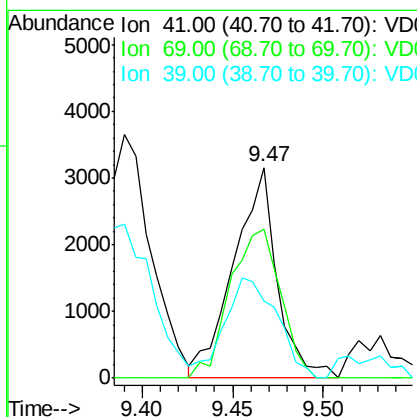
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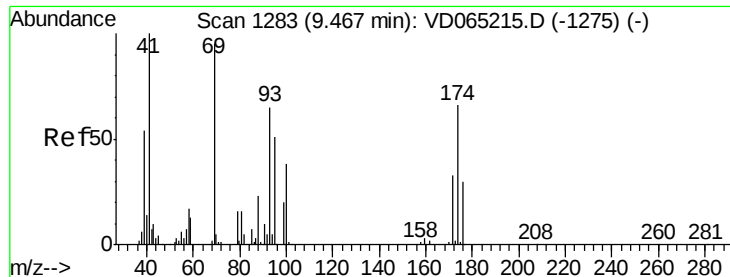
MMDadoda
3/4/2020 2:01:34 PM



#48
Methyl methacrylate
Concen: 2.419 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	41	Resp	5236
Ion Ratio	100	Lower	Upper
41	100		
69	82.3	68.2	102.2
39	58.0	42.0	63.0





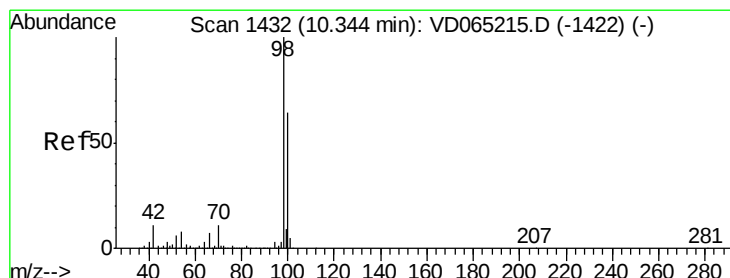
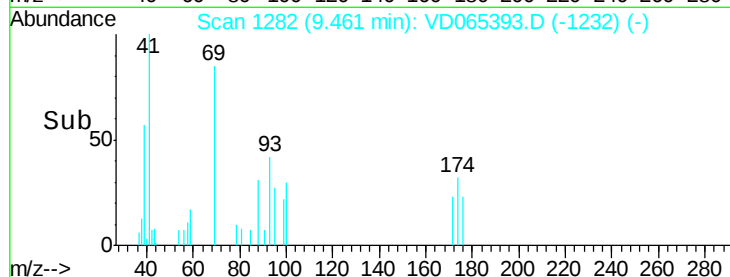
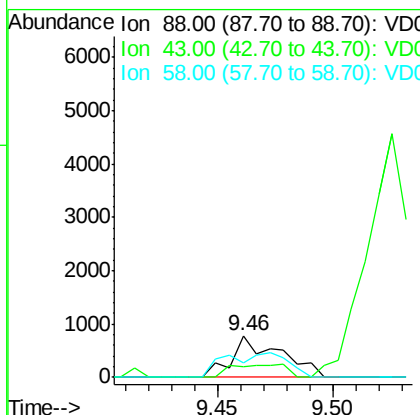
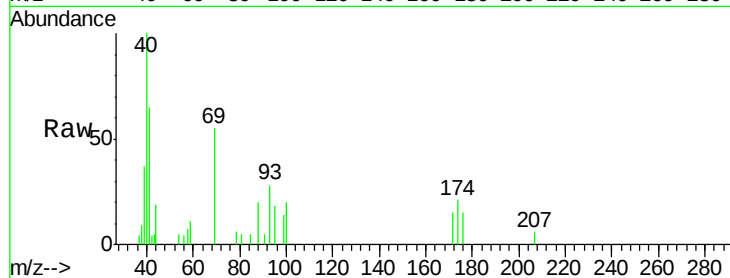
#49
1,4-Dioxane
Concen: 43.736 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.5	42.7#
58	31.8	58.6	87.8#

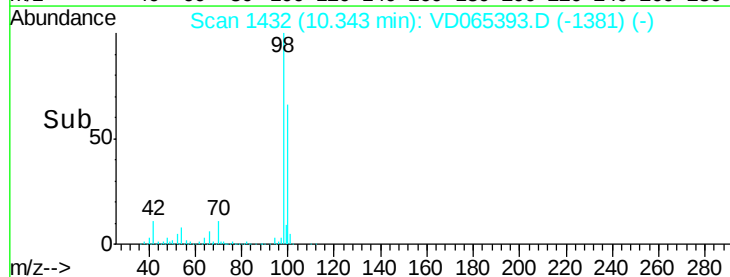
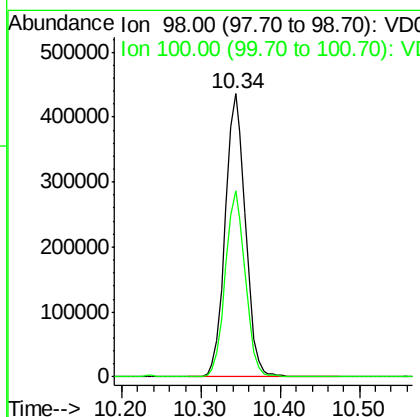
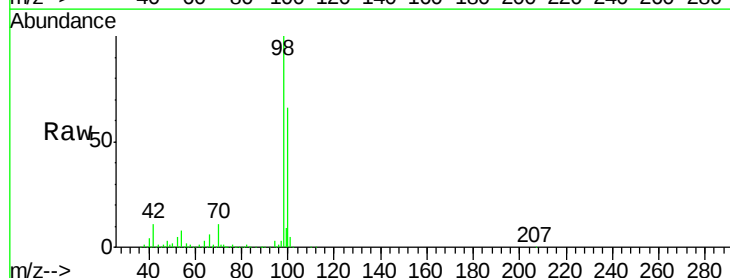
Manual Integrations
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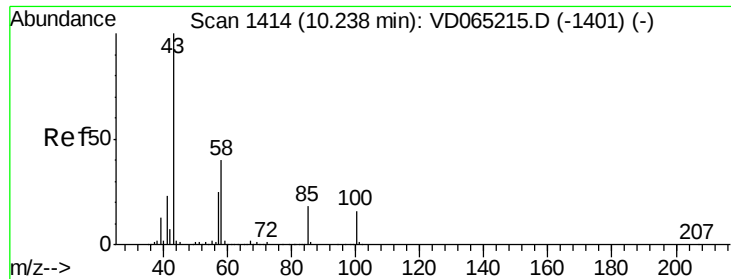
MMDadoda
3/4/2020 2:01:34 PM



#50
Toluene-d8
Concen: 52.061 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0





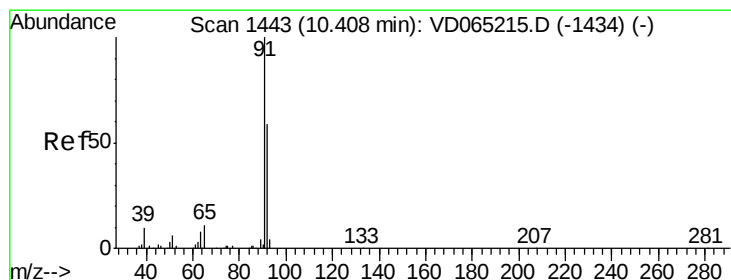
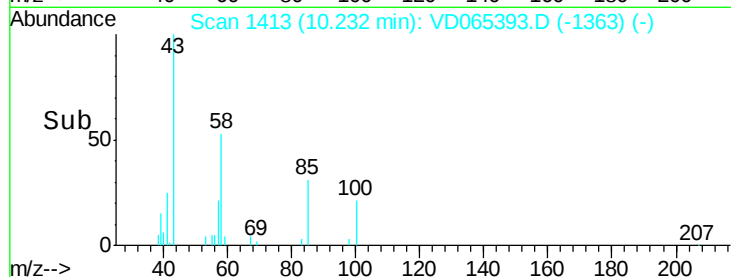
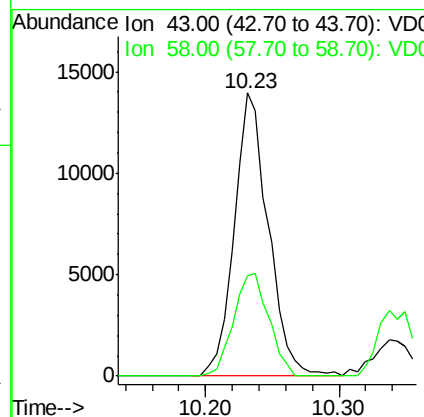
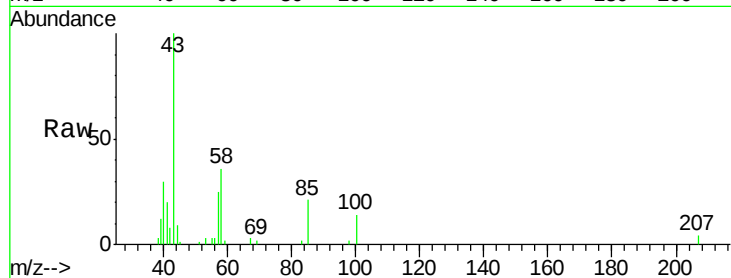
#51
4-Methyl-2-Pentanone
Concen: 10.420 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion	43	Resp	24783
Ion Ratio	43	100	
Lower	58	37.4	31.1
Upper			46.7

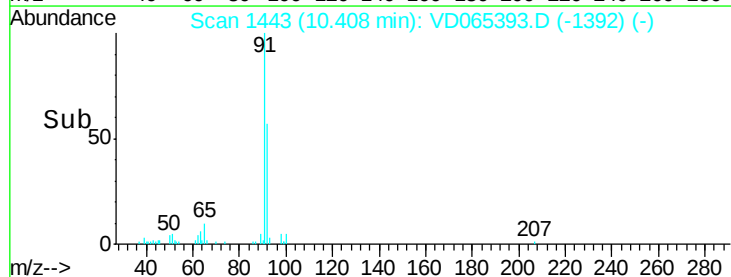
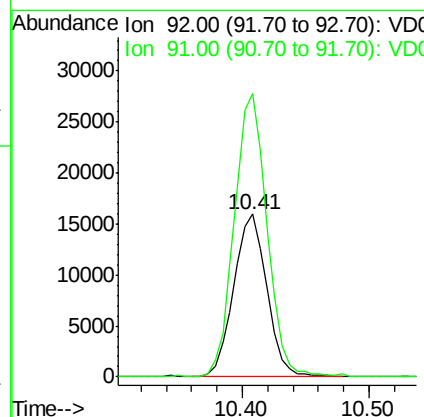
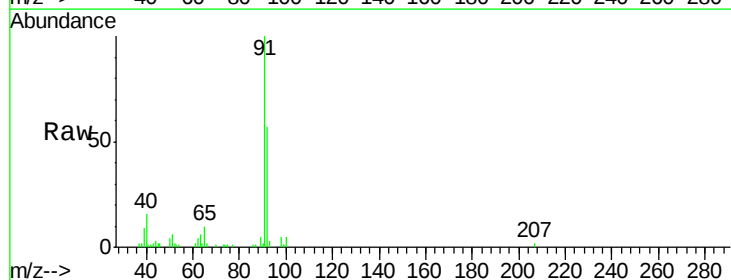
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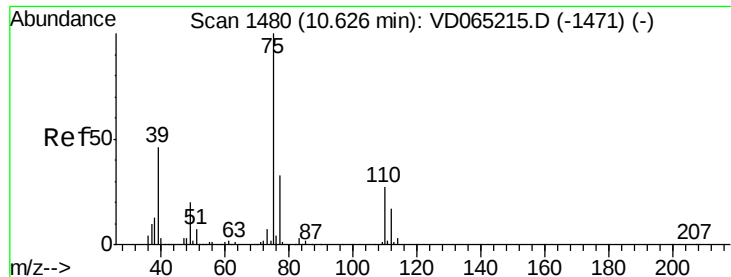
MMDadoda
3/4/2020 2:01:34 PM



#52
Toluene
Concen: 2.678 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	92	Resp	28822
Ion Ratio	92	100	
Lower	91	171.6	136.3
Upper			204.5





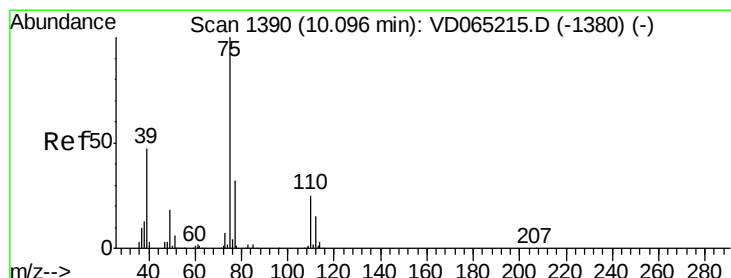
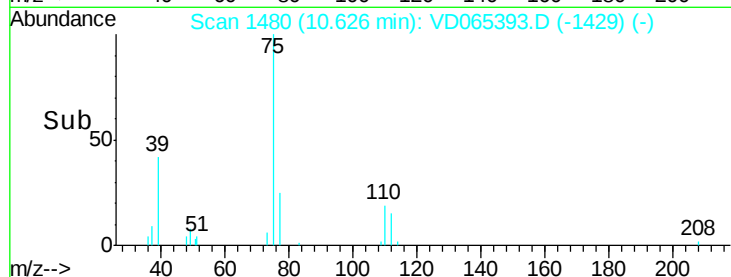
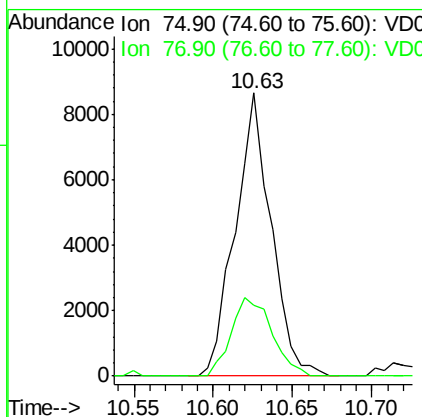
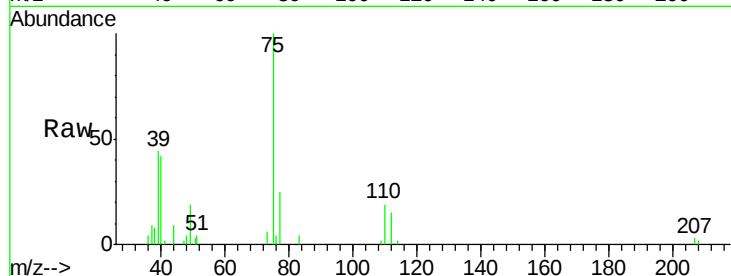
#53
t-1,3-Dichloropropene
Concen: 2.502 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleID :
VD0307

Tot Ion: 75 Resp: 13595
Ion Ratio Lower Upper
75 100
77 25.1 26.6 40.0#

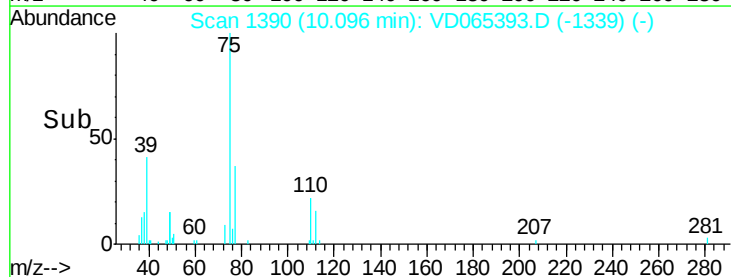
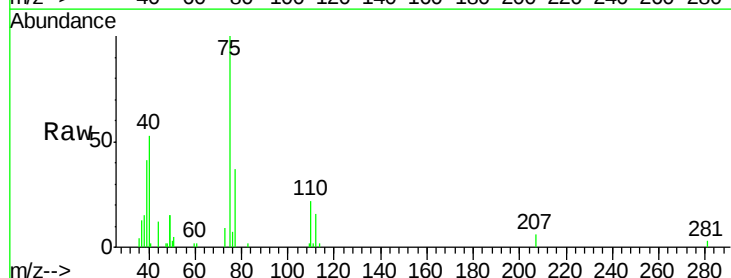
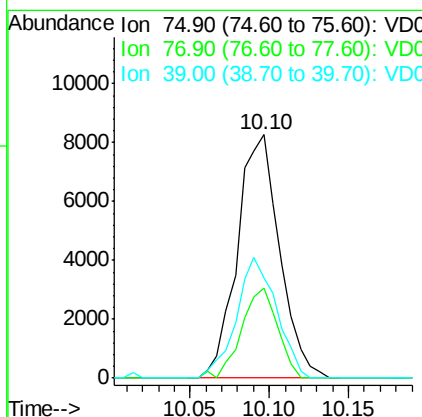
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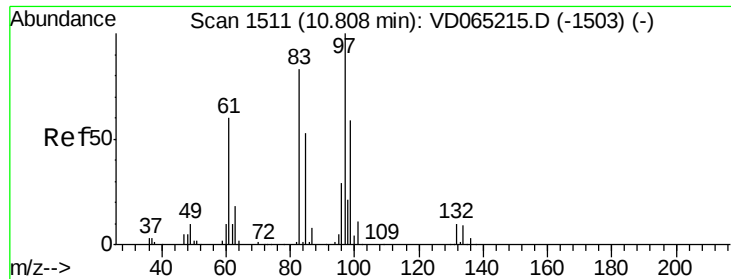
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 2.336 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion: 75 Resp: 15329
Ion Ratio Lower Upper
75 100
77 37.1 25.8 38.8
39 41.4 37.3 55.9





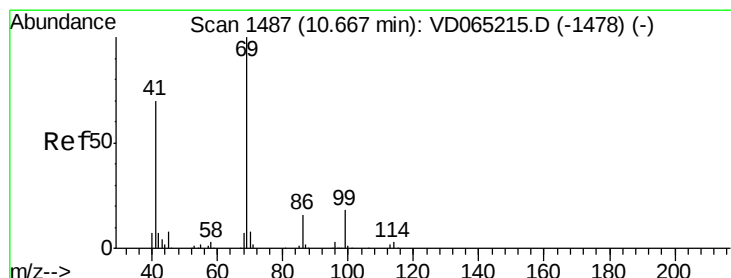
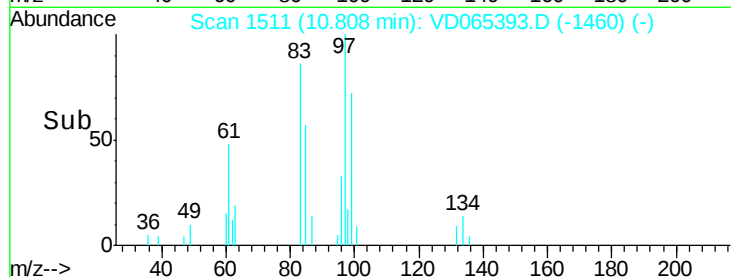
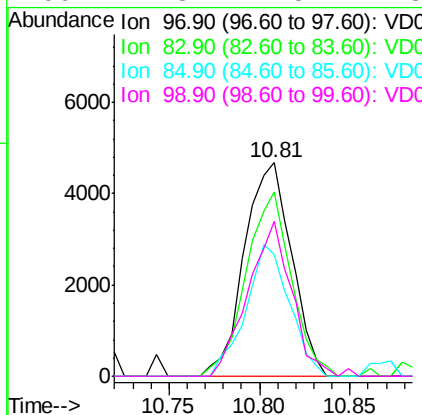
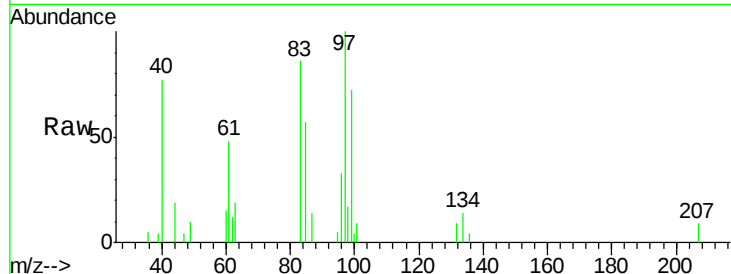
#55
 1,1,2-Trichloroethane
 Concen: 2.704 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065393.D
 Acq: 03 Mar 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

Tot Ion: 97 Resp: 8466
 Ion Ratio Lower Upper
 97 100
 83 86.5 66.7 100.1
 85 56.7 42.4 63.6
 99 72.3 47.5 71.3#

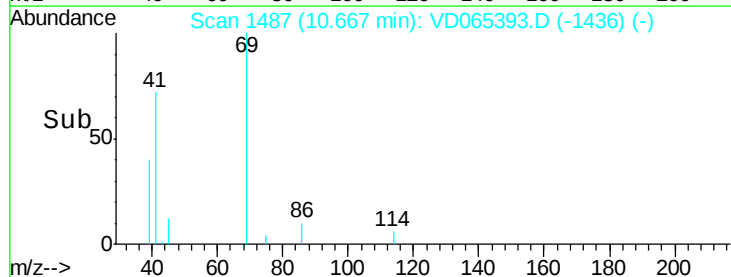
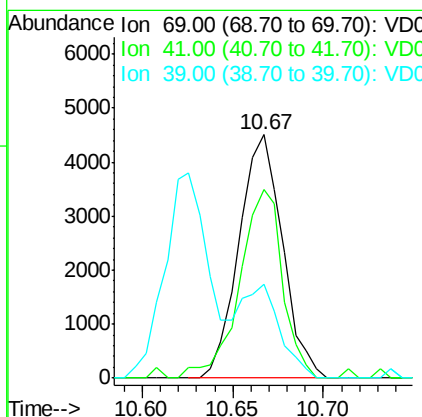
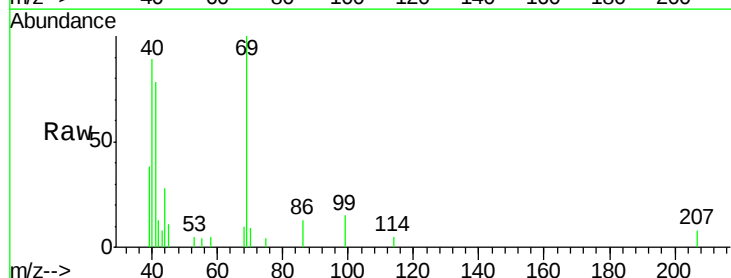
Manual Integrations
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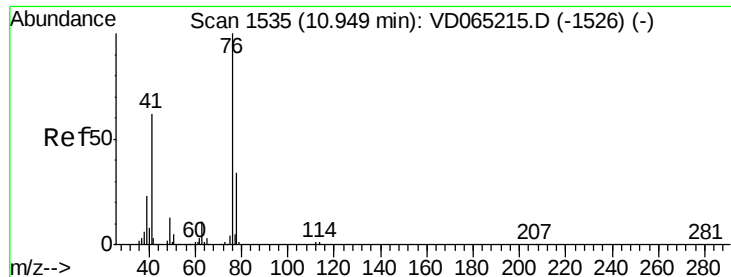
MMDadoda
 3/4/2020 2:01:34 PM



#56
 Ethyl methacrylate
 Concen: 2.077 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065393.D
 Acq: 03 Mar 2020 14:36

Tgt Ion: 69 Resp: 7507
 Ion Ratio Lower Upper
 69 100
 41 76.4 54.6 81.8
 39 33.7 26.5 39.7





#57

1,3-Dichloropropane

Concen: 2.648 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0307

Tot Ion: 76 Resp: 14108

Ion Ratio Lower Upper

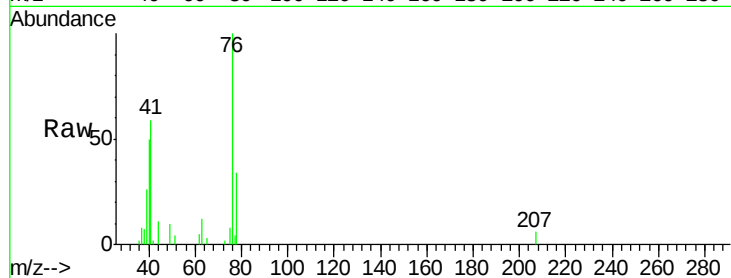
76 100

78 32.9 26.3 39.5

Manual Integrations
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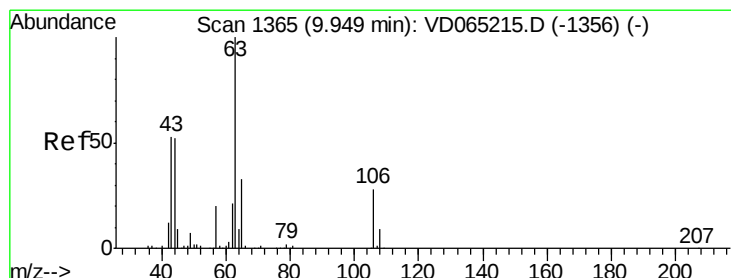
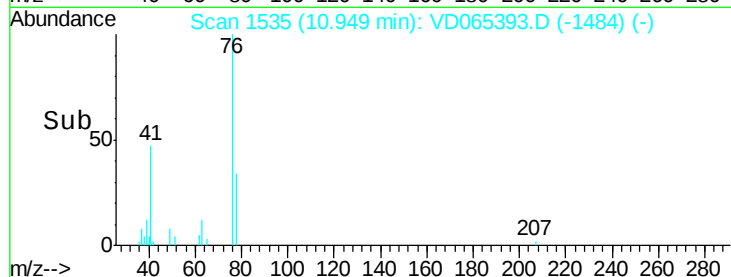
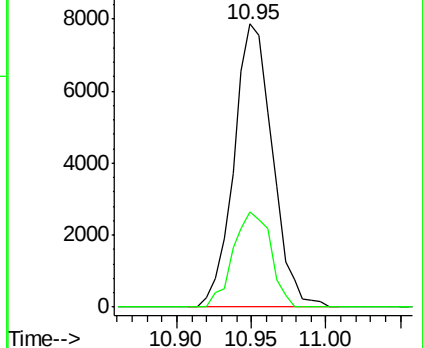
MMDadoda

3/4/2020 2:01:34 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 15.368 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065393.D

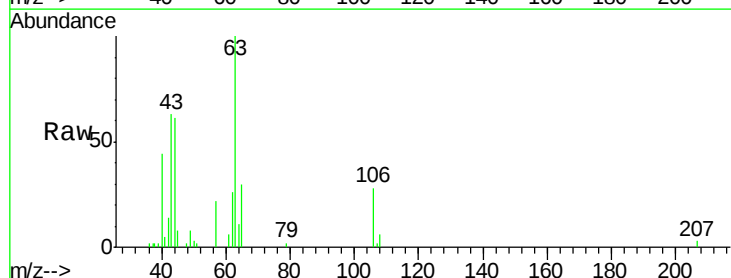
Acq: 03 Mar 2020 14:36

Tgt Ion: 63 Resp: 17509

Ion Ratio Lower Upper

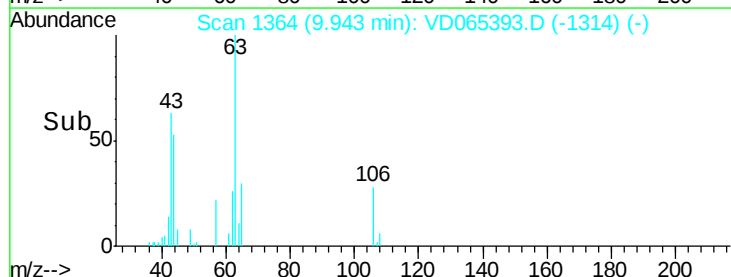
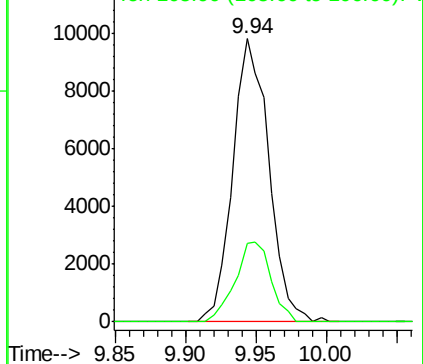
63 100

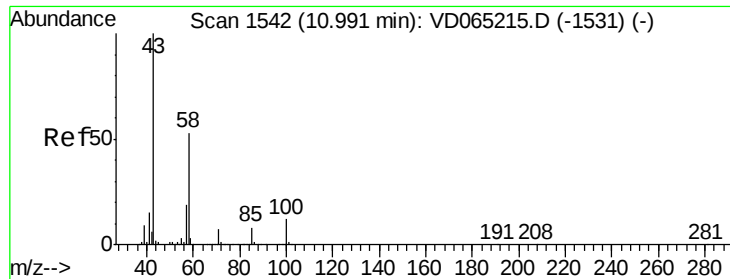
106 28.1 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC





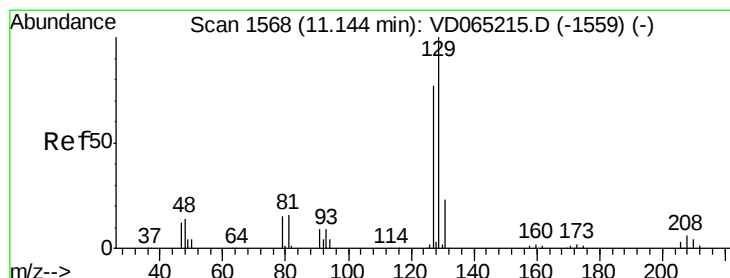
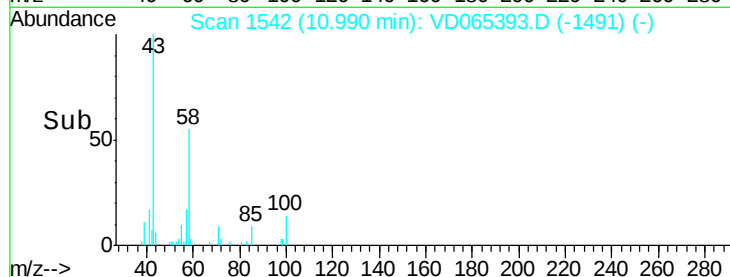
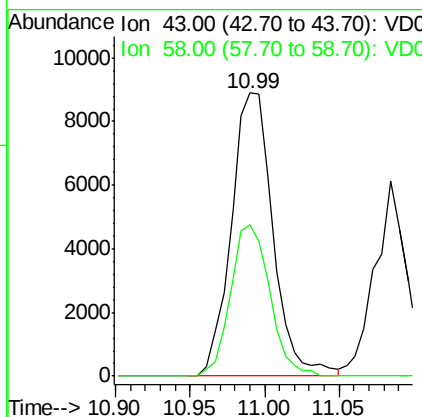
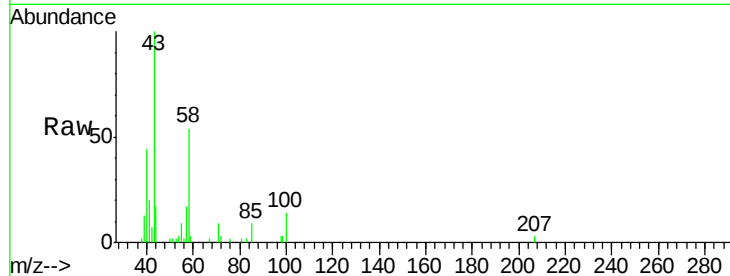
#59
2-Hexanone
Concen: 10.174 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion: 43 Resp: 17322
Ion Ratio Lower Upper
43 100
58 50.3 26.3 78.8

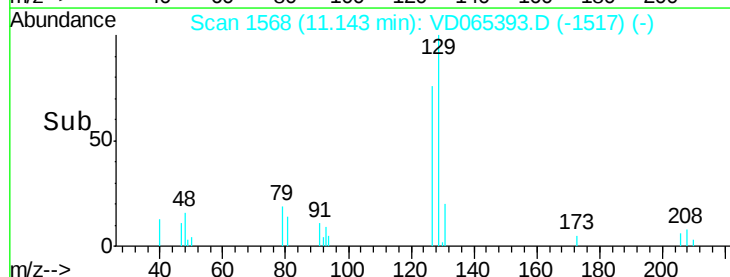
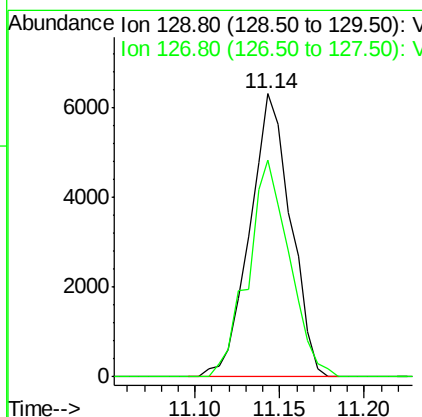
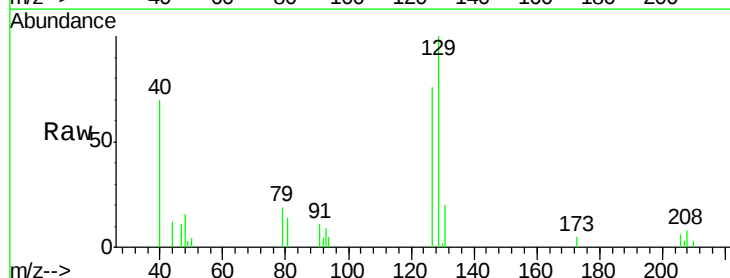
Manual Integrations
APPROVED

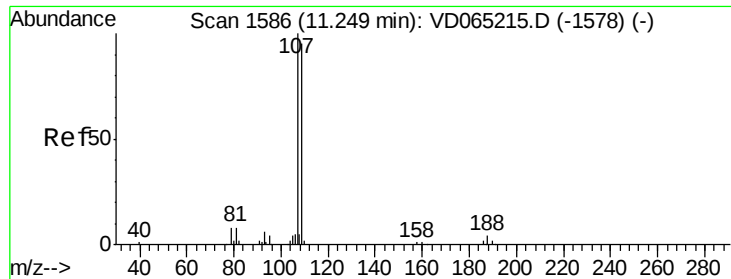
MMDadoda
3/4/2020 2:01:34 PM



#60
Dibromochloromethane
Concen: 2.651 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion: 129 Resp: 10624
Ion Ratio Lower Upper
129 100
127 77.6 38.7 116.1





#61

1,2-Dibromoethane

Concen: 2.556 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0307

Tot Ion: 107 Resp: 7578

Ion Ratio Lower Upper

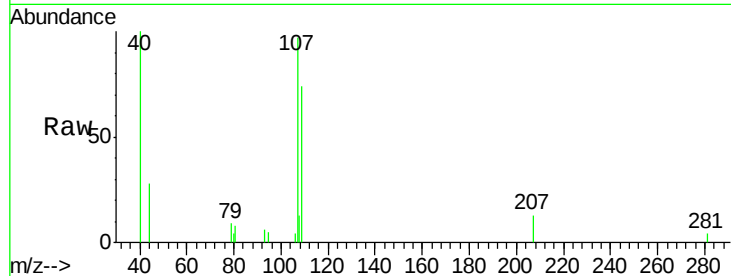
107 100

109 95.2 76.2 114.4

Manual Integrations
APPROVED

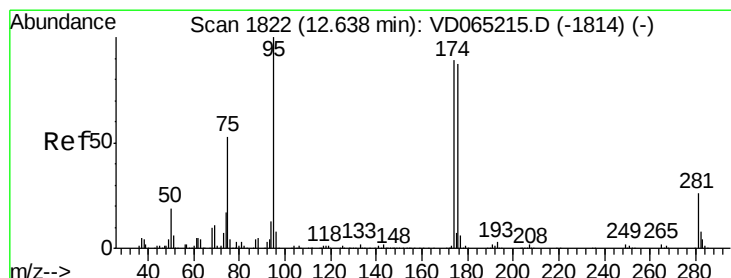
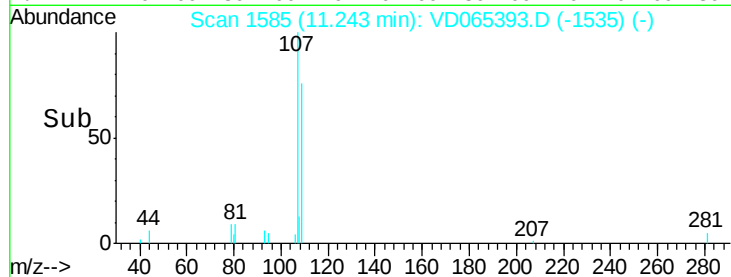
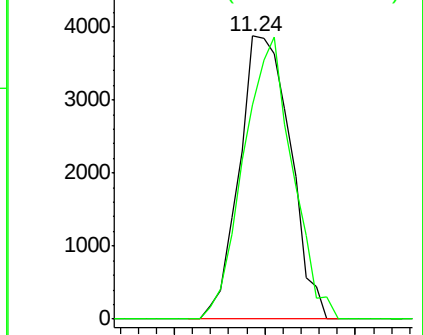
MMDadoda

3/4/2020 2:01:34 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.662 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

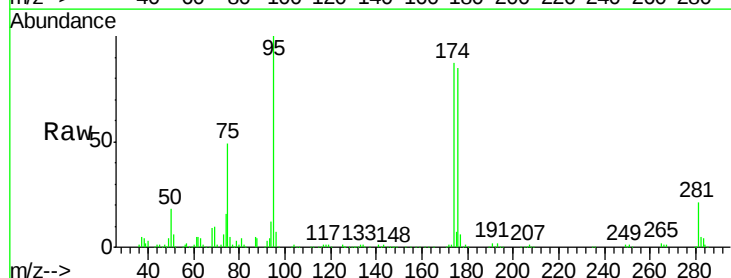
Tgt Ion: 95 Resp: 246179

Ion Ratio Lower Upper

95 100

174 88.6 0.0 178.0

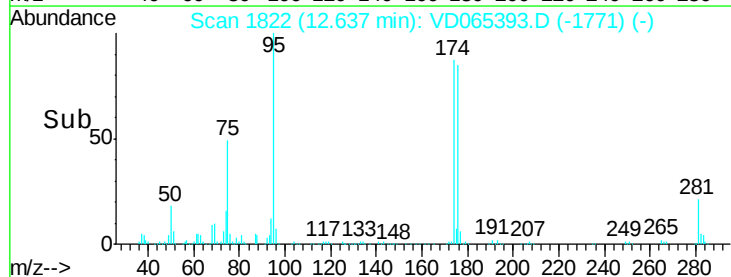
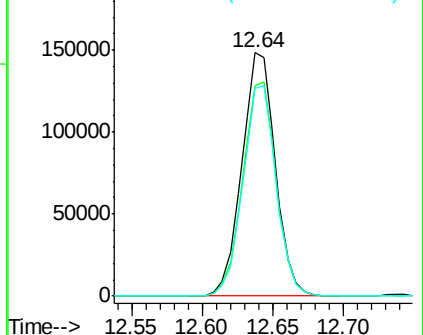
176 86.3 0.0 174.4

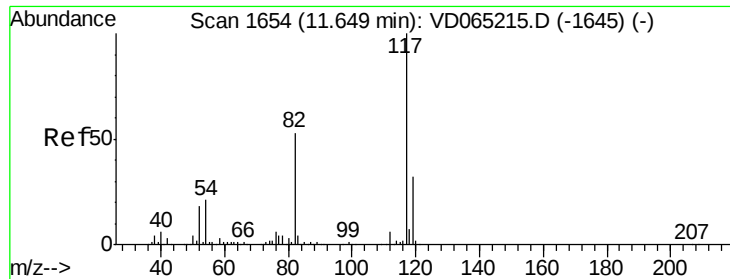


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





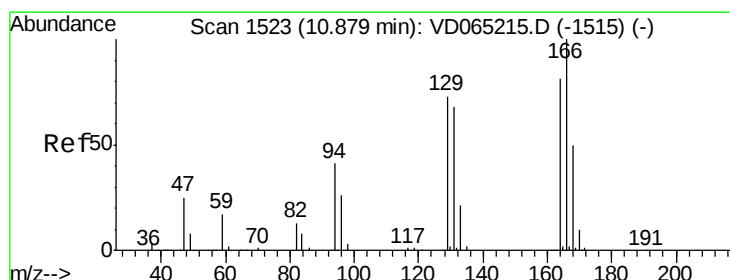
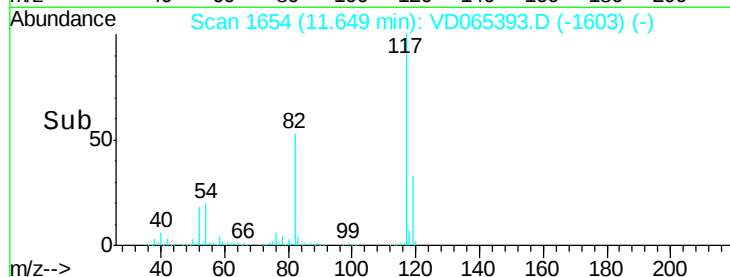
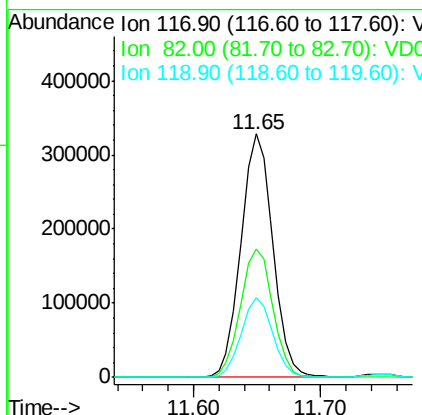
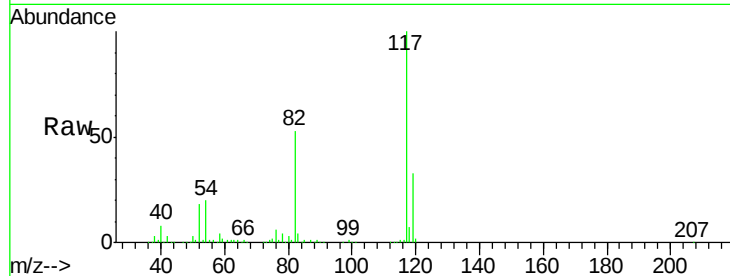
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.7	64.1
119	32.5	25.5	38.3

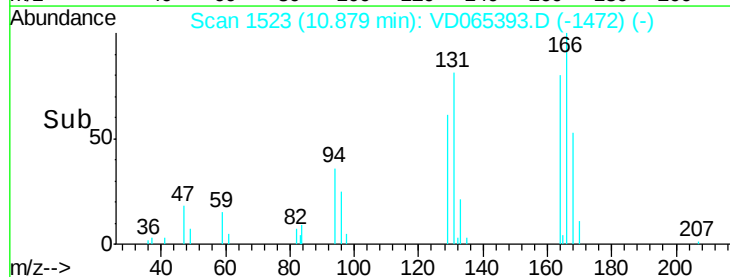
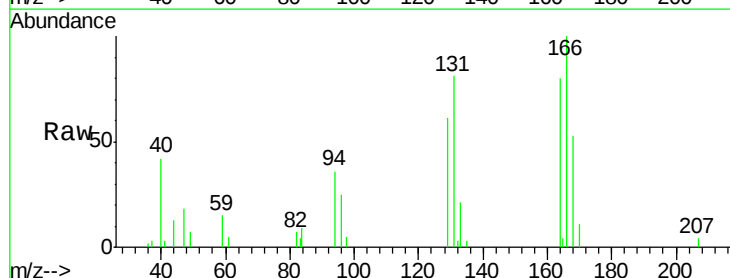
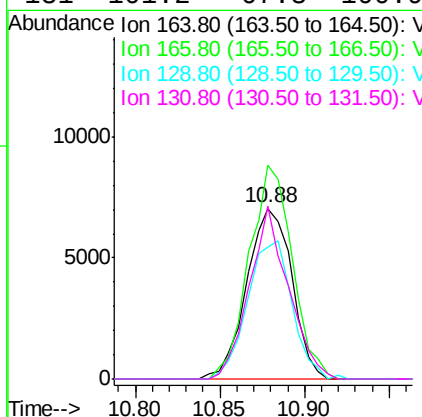
Manual Integrations
APPROVED

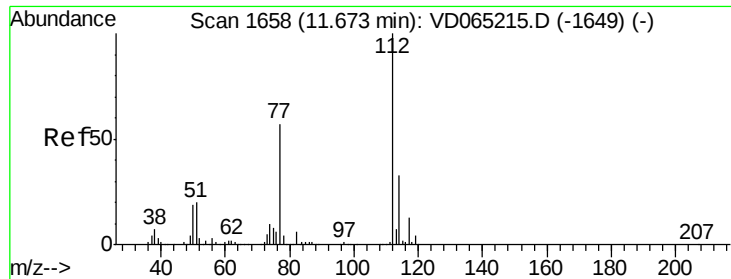
MMDadoda
3/4/2020 2:01:34 PM



#64
Tetrachloroethene
Concen: 3.186 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	98.4	147.6
129	77.0	71.6	107.4
131	101.2	67.3	100.9#





#65

Chlorobenzene

Concen: 2.657 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0307

Tot Ion:112 Resp: 30626

Ion Ratio Lower Upper

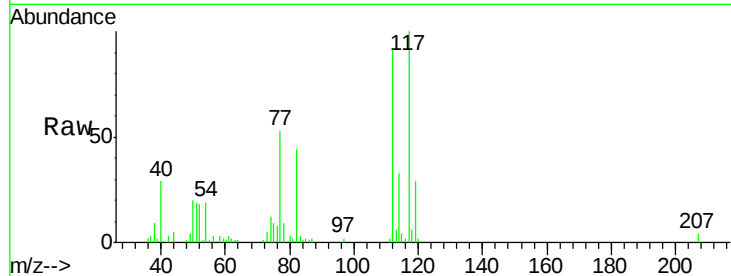
112 100

114 35.6 26.4 39.6

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.68

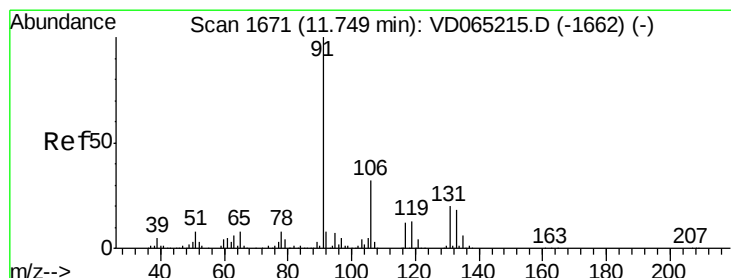
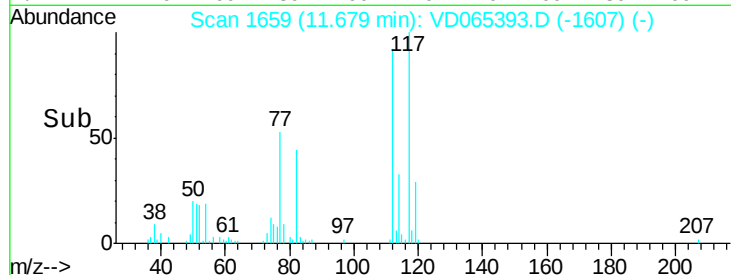
15000

10000

5000

0

Time--> 11.60 11.65 11.70 11.75



#66

1,1,1,2-Tetrachloroethane

Concen: 2.569 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

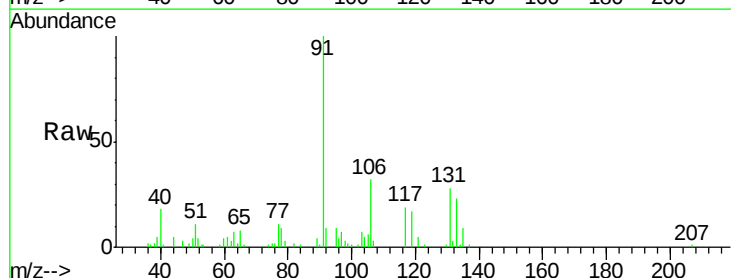
Tgt Ion:131 Resp: 11051

Ion Ratio Lower Upper

131 100

133 101.1 47.7 143.1

119 68.7 32.7 98.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

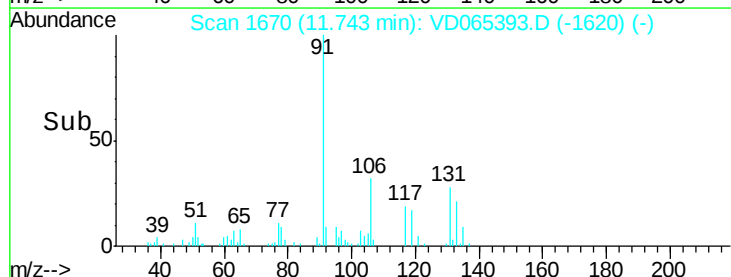
60000

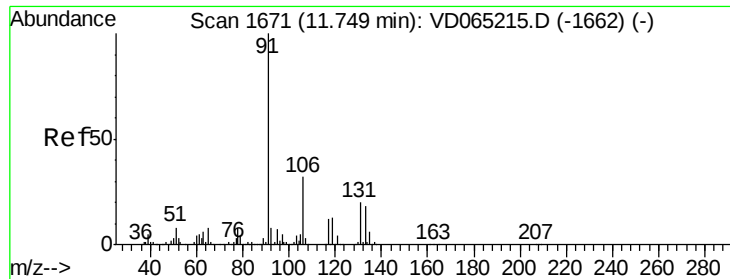
40000

20000

0

Time--> 11.70 11.75 11.80





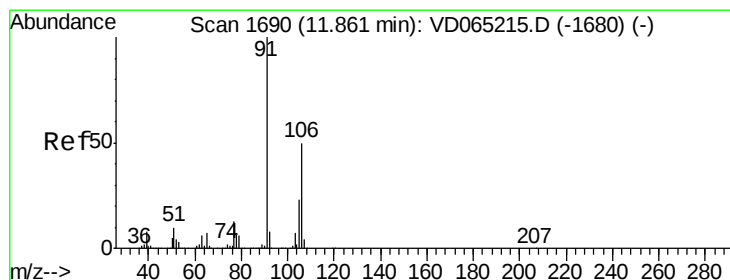
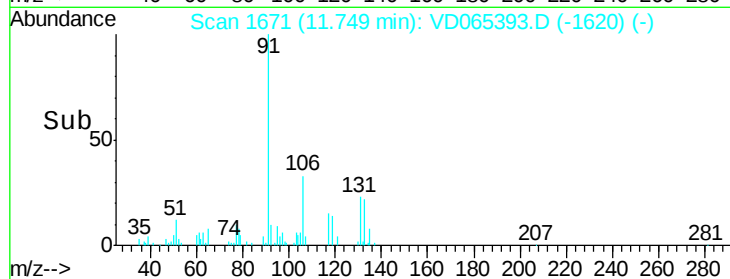
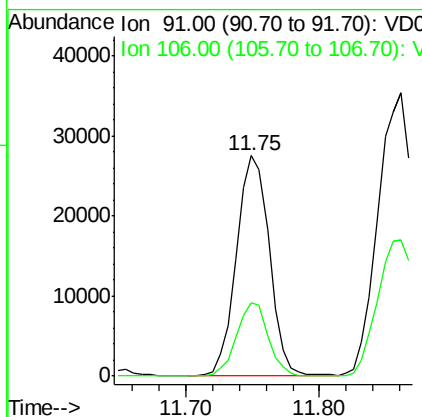
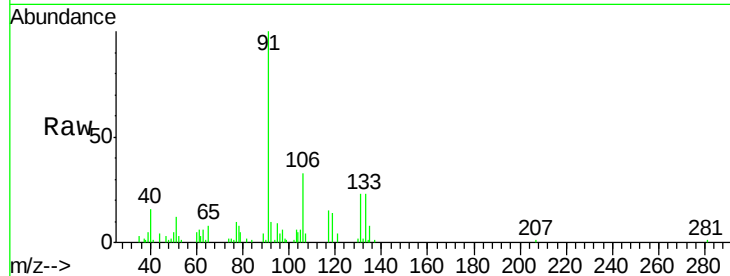
#67
Ethyl Benzene
Concen: 2.333 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion: 91 Resp: 47103
Ion Ratio Lower Upper
91 100
106 33.4 25.2 37.8

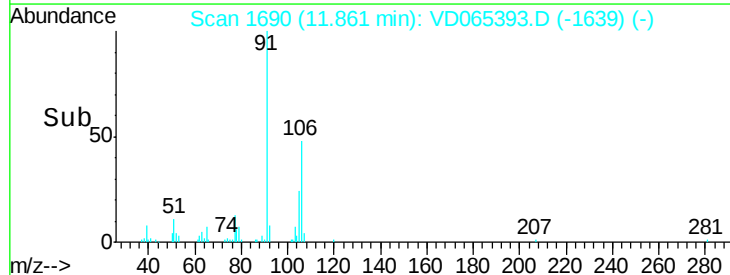
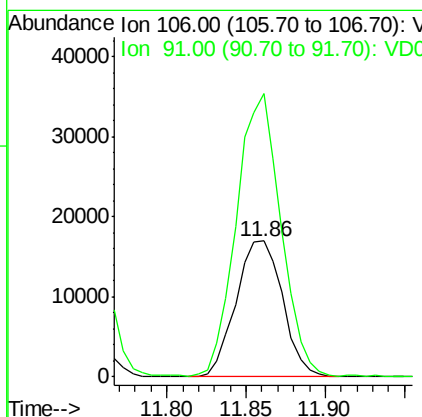
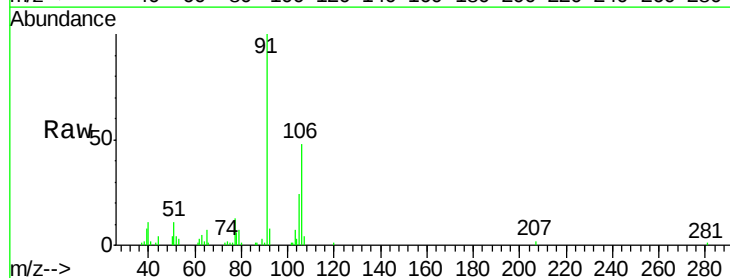
Manual Integrations
APPROVED

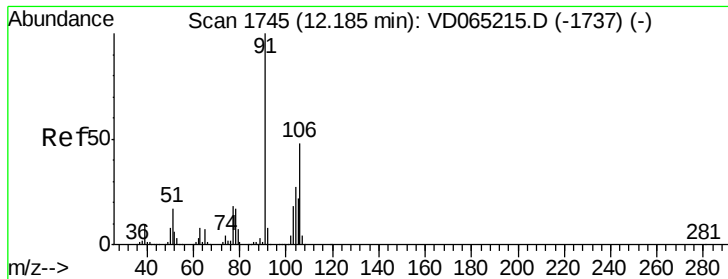
MMDadoda
3/4/2020 2:01:34 PM



#68
m/p-Xylenes
Concen: 4.480 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion: 106 Resp: 34603
Ion Ratio Lower Upper
106 100
91 199.3 158.2 237.4





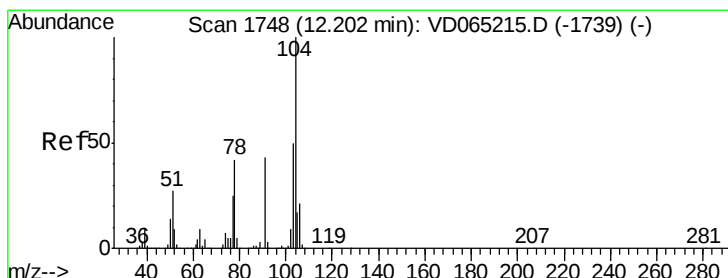
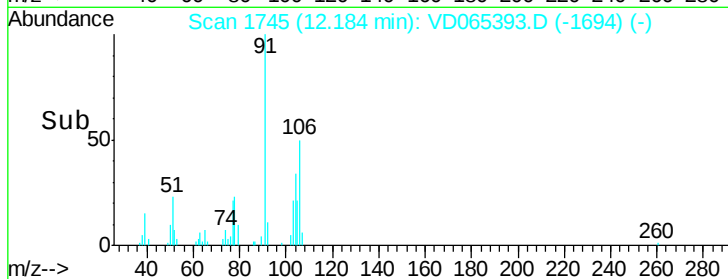
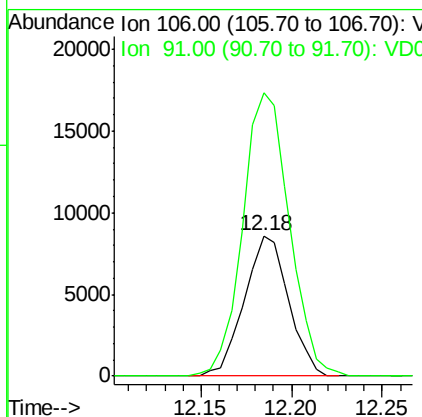
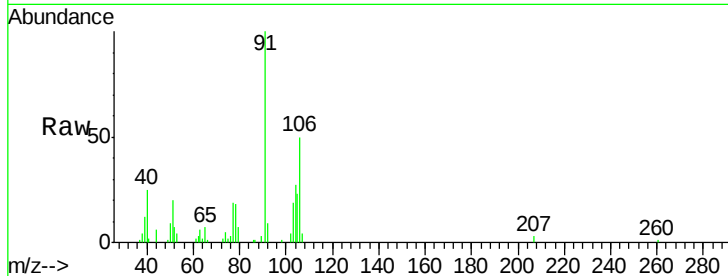
#69
o-Xylene
Concen: 2.126 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion:106 Resp: 14552
Ion Ratio Lower Upper
106 100
91 212.9 104.7 313.9

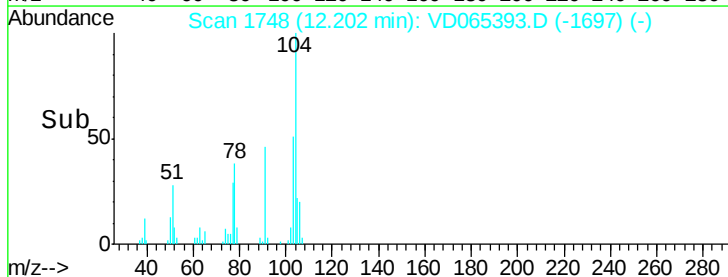
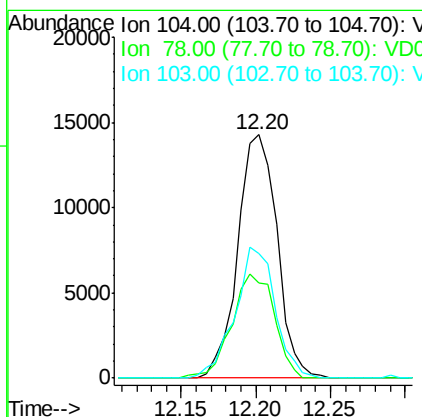
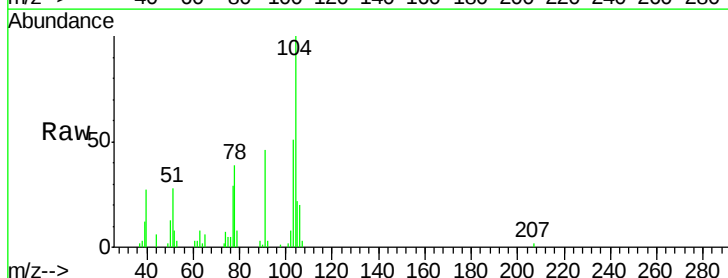
Manual Integrations
APPROVED

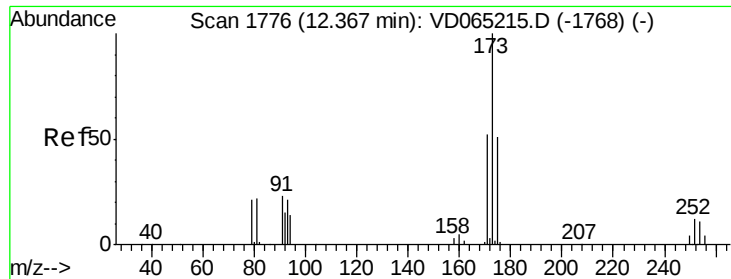
MMDadoda
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#70
Styrene
Concen: 2.150 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion:104 Resp: 26118
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 55.1 43.4 65.2





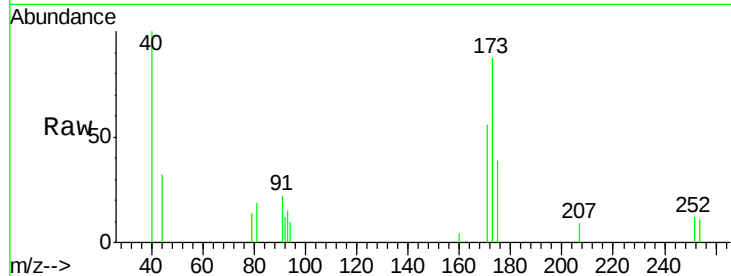
#71
Bromoform
Concen: 2.621 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

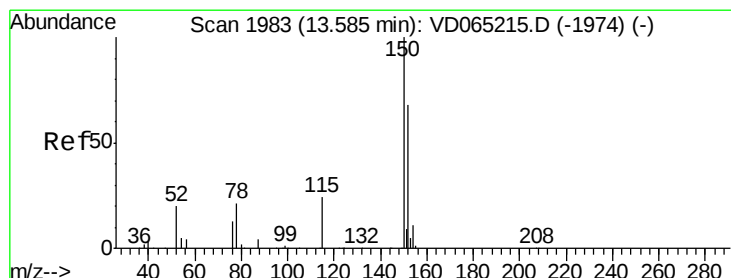
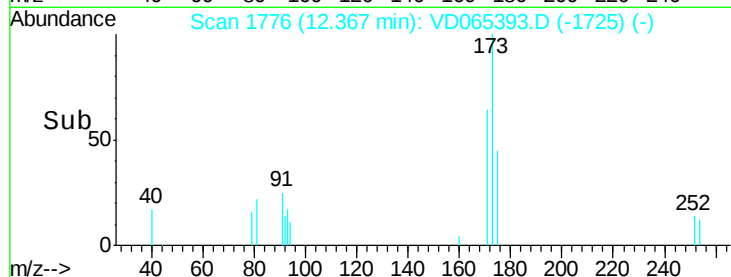
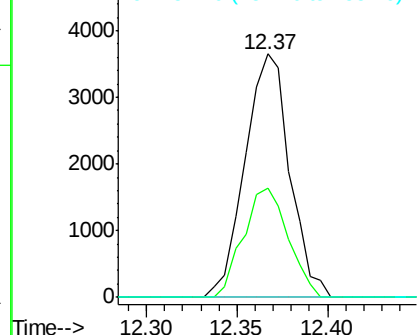
Tot Ion	Ratio	Lower	Upper
173	100		
175	44.9	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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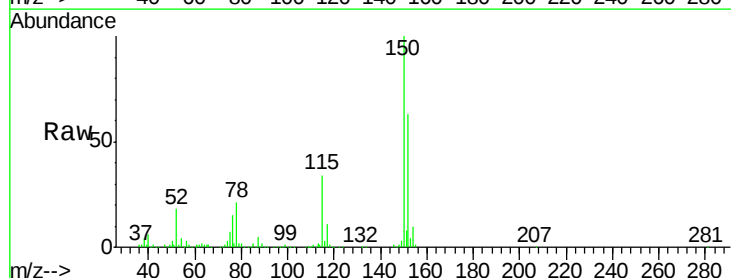


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

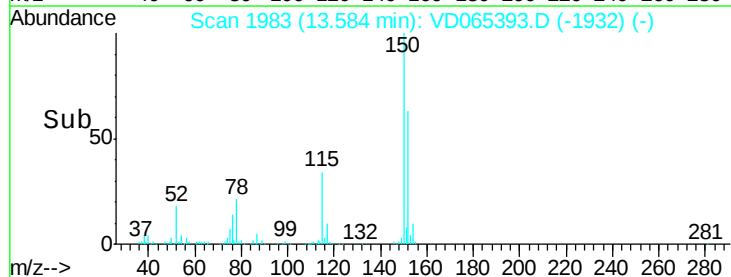
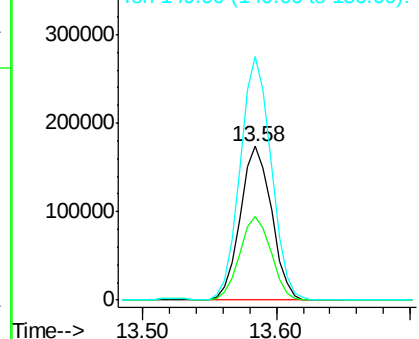


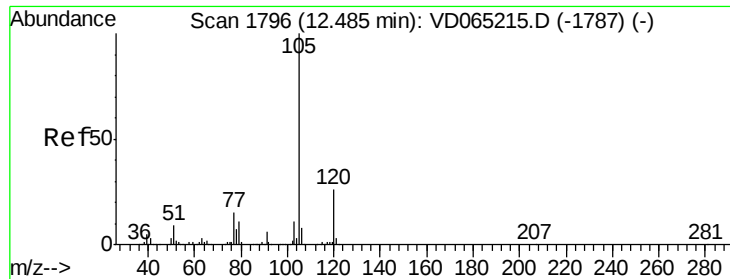
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.6	82.8
150	157.5	0.0	347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





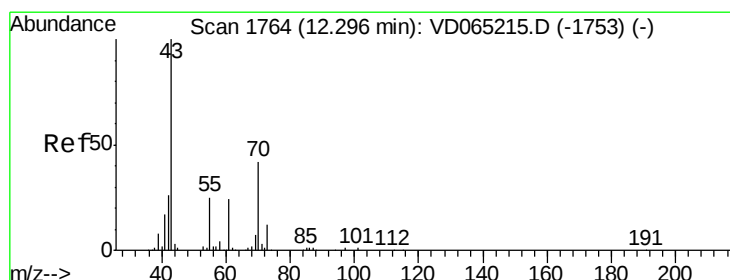
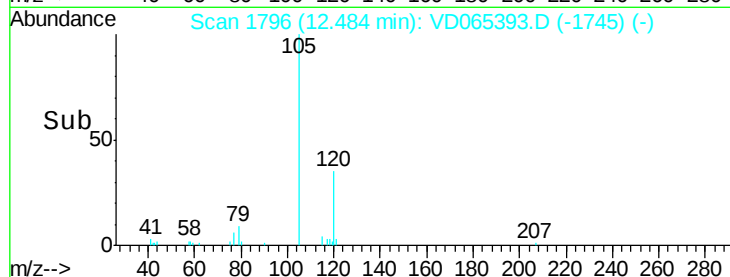
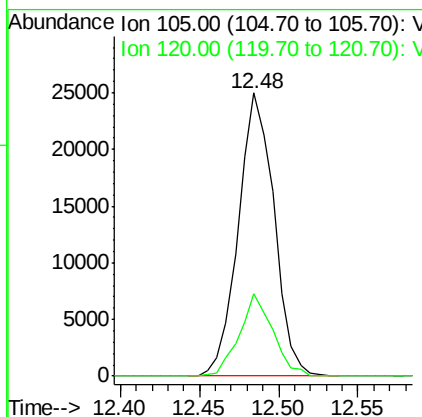
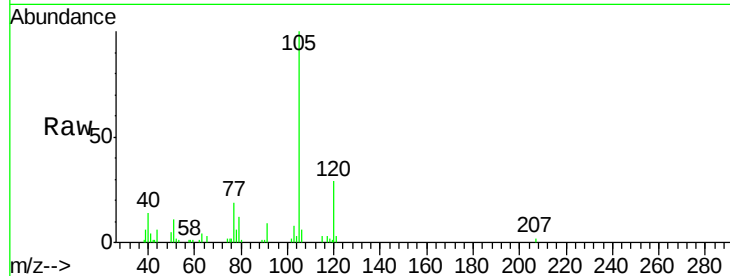
#73
Isopropylbenzene
Concen: 2.092 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampled :
VD0307

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.3	39.9

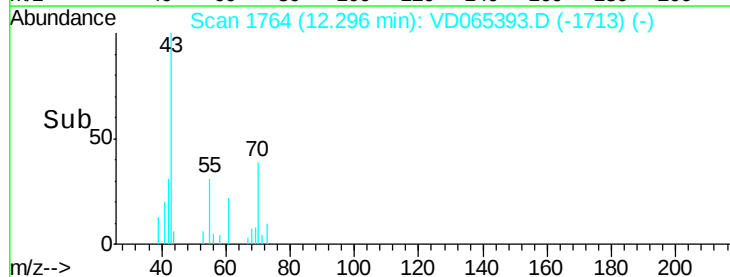
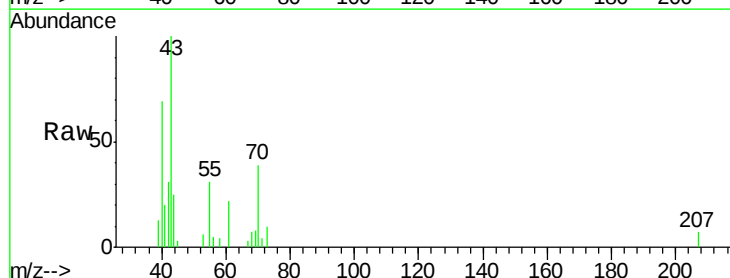
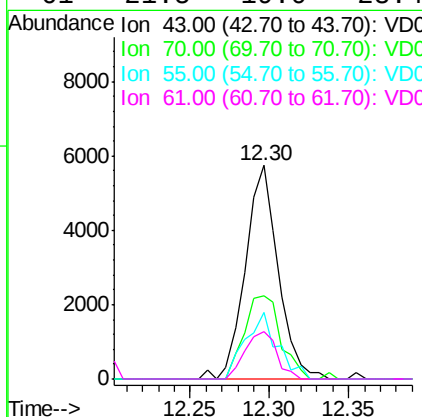
Manual Integrations
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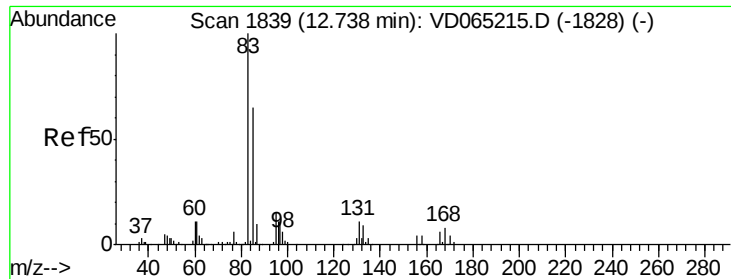
MMDadoda
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#74
N-ethyl acetate
Concen: 1.993 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.2	33.7	50.5
55	30.5	20.7	31.1
61	21.5	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 2.696 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

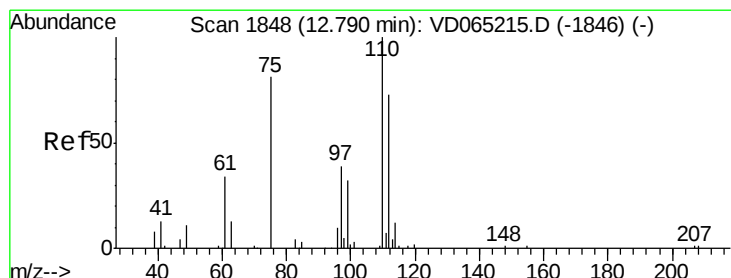
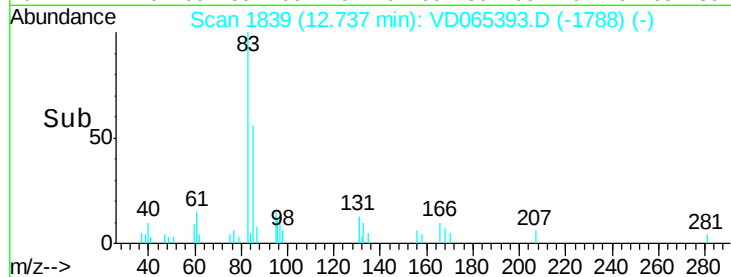
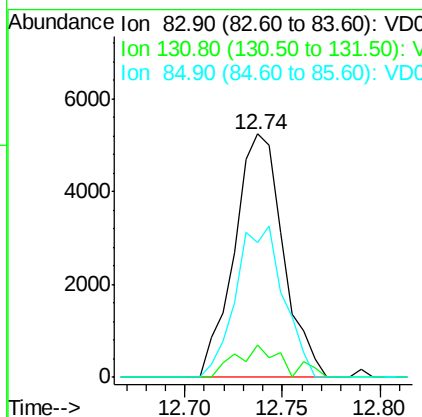
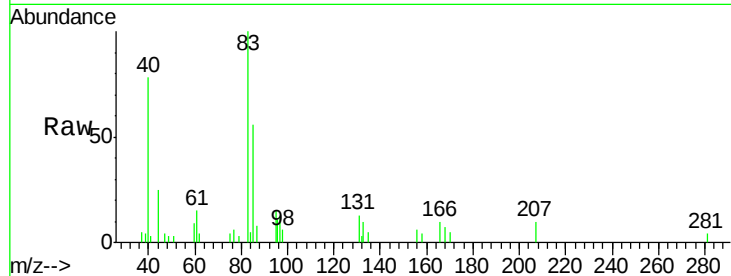
ClientSampleId :

VD0307

Tot Ion:	83	Resp:	9081
Ion Ratio	Lower	Upper	
83	100		
131	13.1	5.4	16.2
85	60.8	31.6	94.8

Manual Integrations
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3/4/2020 2:01:34 PM



#76

1,2,3-Trichloropropane

Concen: 3.015 ug/l m

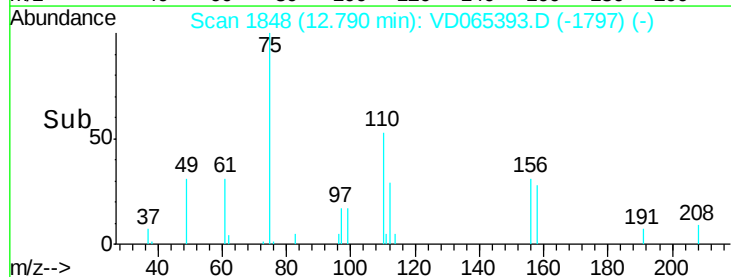
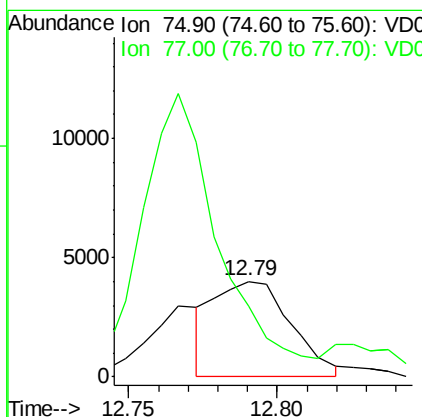
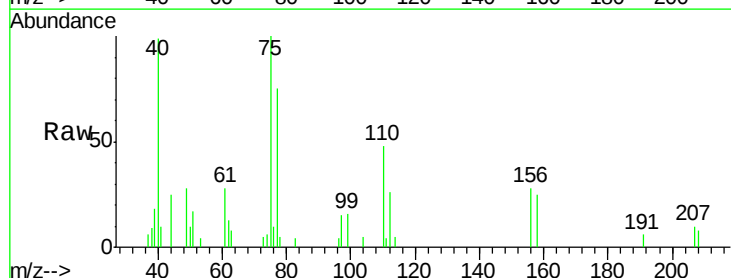
RT: 12.79 min Scan# 1848

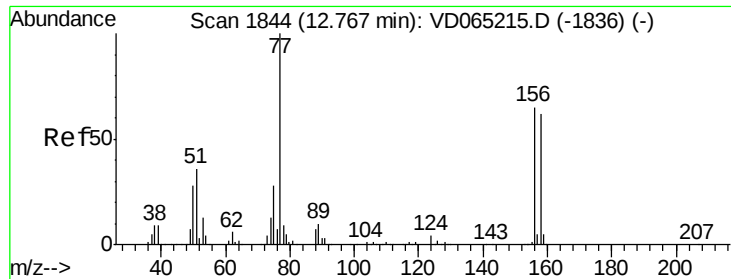
Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Tgt Ion:	75	Resp:	7232
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.661 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

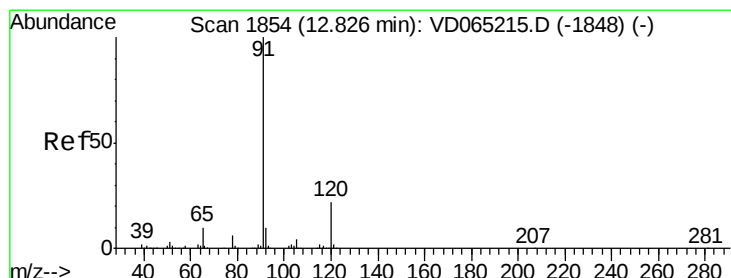
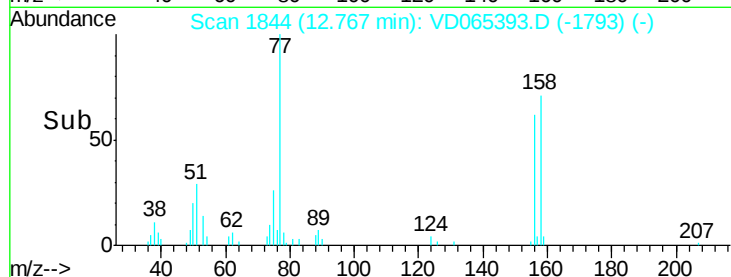
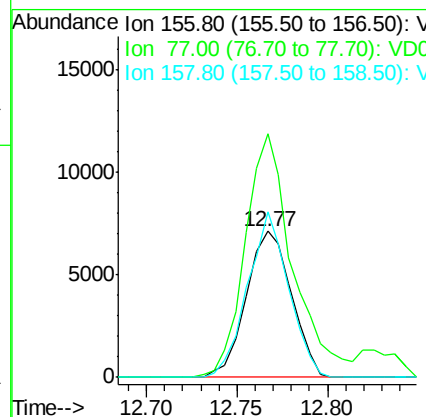
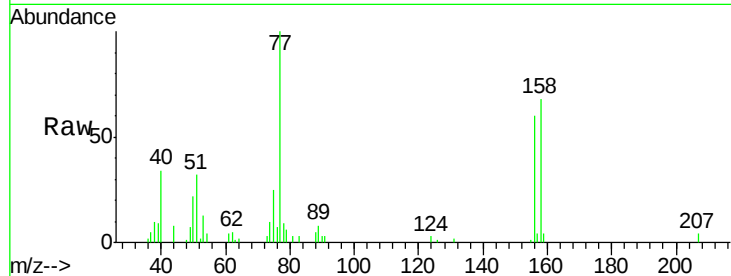
ClientSampleId :

VD0307

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	175.7	86.6	259.7	
158	102.6	48.1	144.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 2.376 ug/l

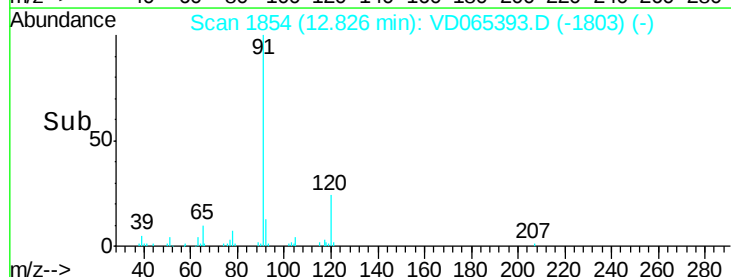
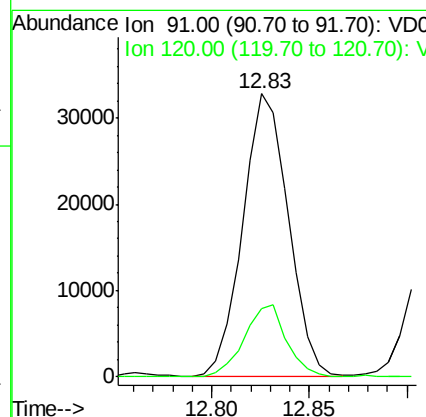
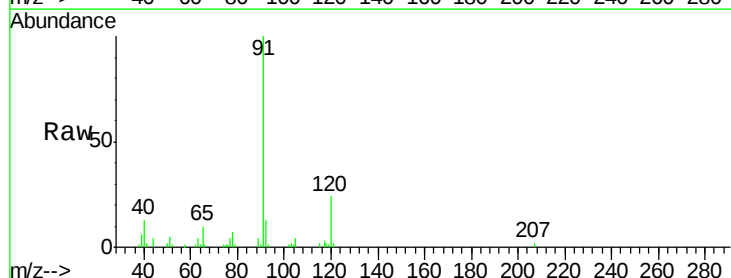
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.4	11.5	34.5	





#79

2-Chlorotoluene

Concen: 2.367 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0307

Tot Ion: 91 Resp: 29749

Ion Ratio Lower Upper

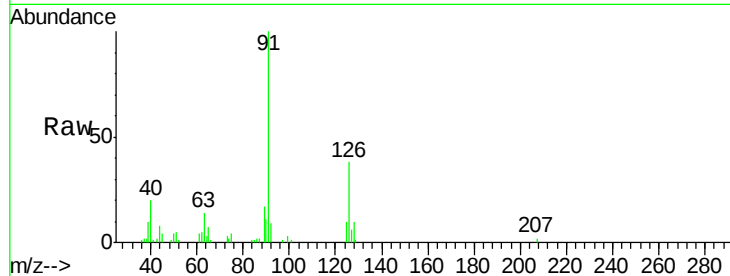
91 100

126 38.3 17.5 52.6

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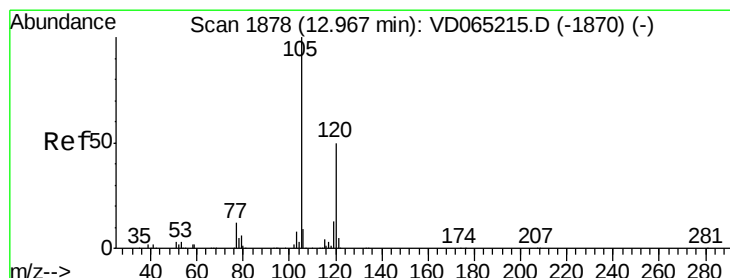
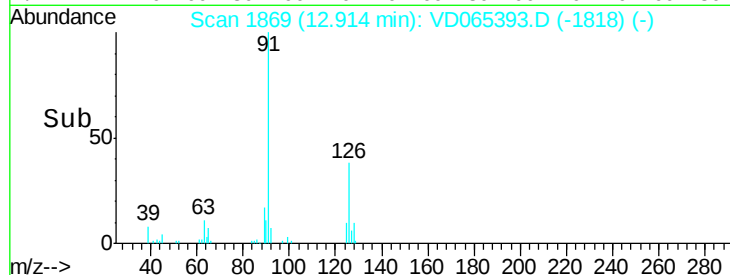
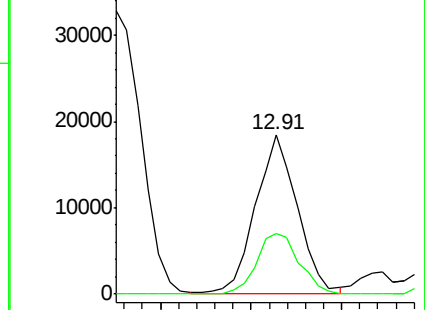
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 2.103 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065393.D

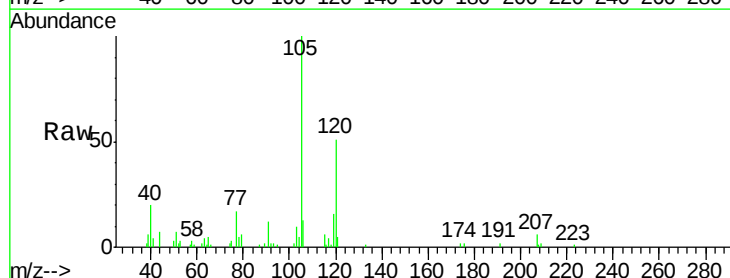
Acq: 03 Mar 2020 14:36

Tgt Ion: 105 Resp: 32337

Ion Ratio Lower Upper

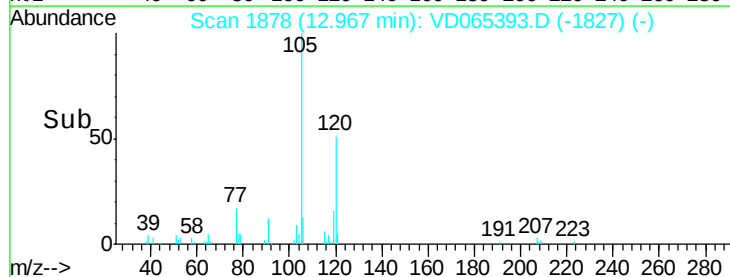
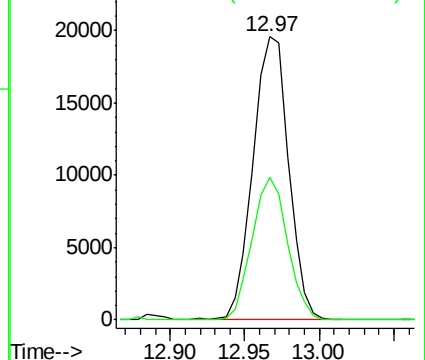
105 100

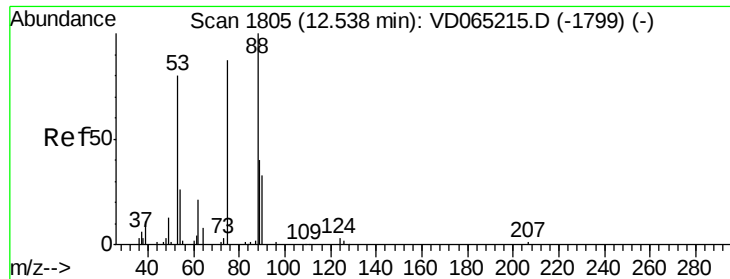
120 50.0 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 105.145 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065393.D

Acq: 03 Mar 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0307

Tot Ion: 75 Resp: 116814

Ion Ratio Lower Upper

75 100

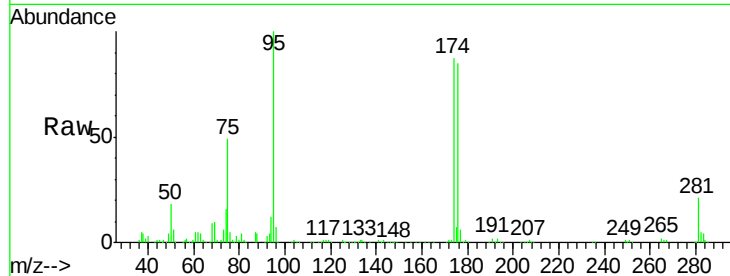
53 0.0 77.6 116.4#

89 0.1 37.2 55.8#

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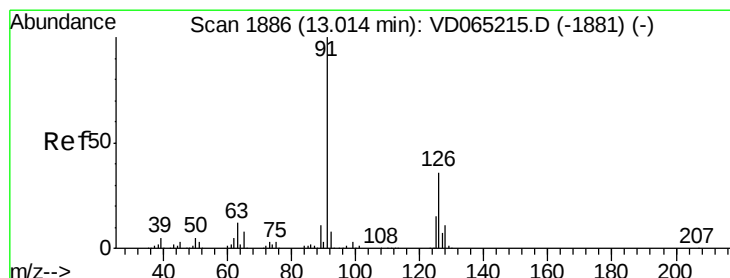
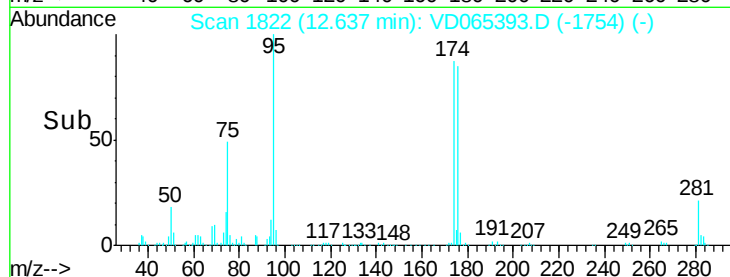
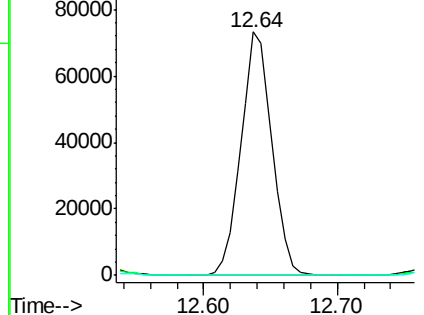
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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 2.348 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065393.D

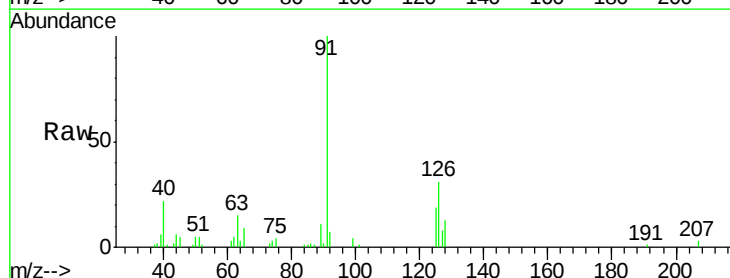
Acq: 03 Mar 2020 14:36

Tgt Ion: 91 Resp: 31329

Ion Ratio Lower Upper

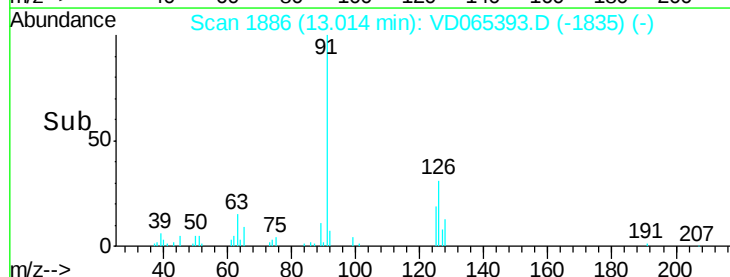
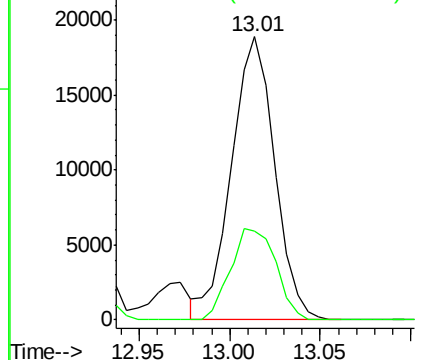
91 100

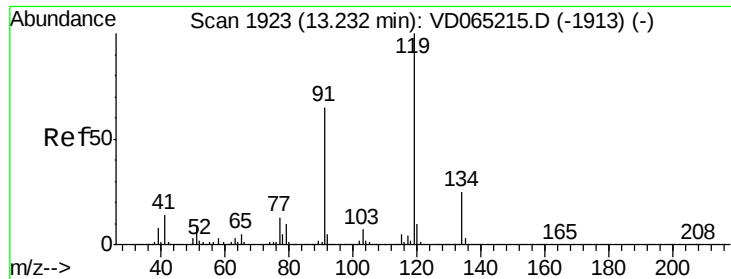
126 33.8 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





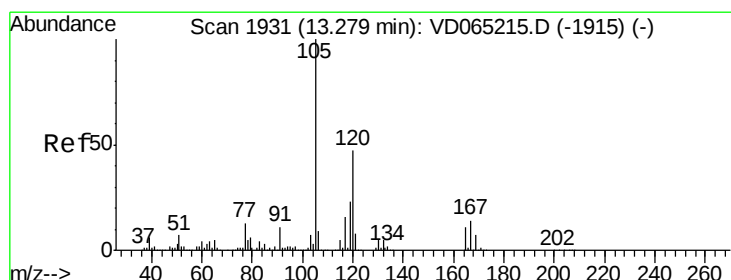
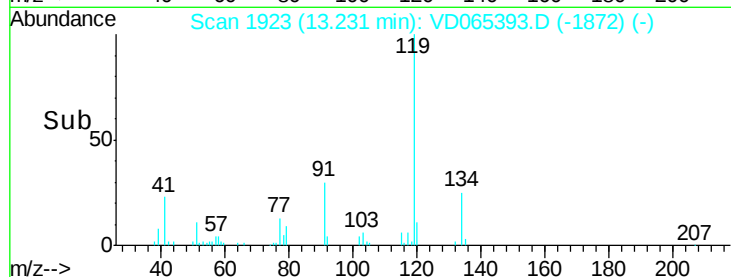
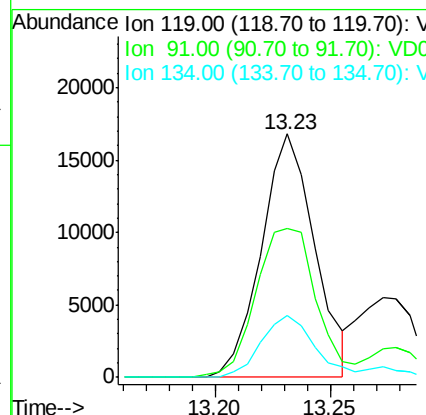
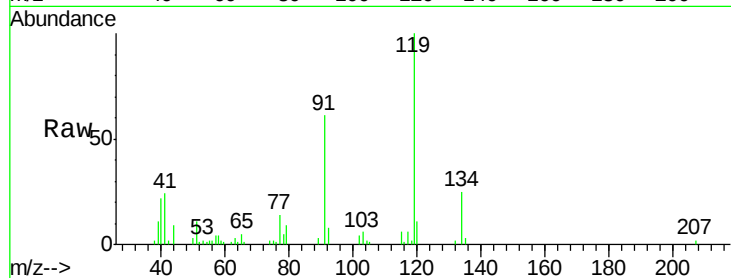
#83
tert-Butylbenzene
Concen: 2.098 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.3	31.9	95.5
134	25.2	13.8	41.3

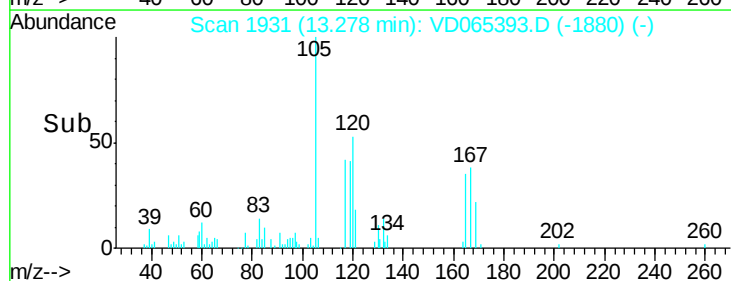
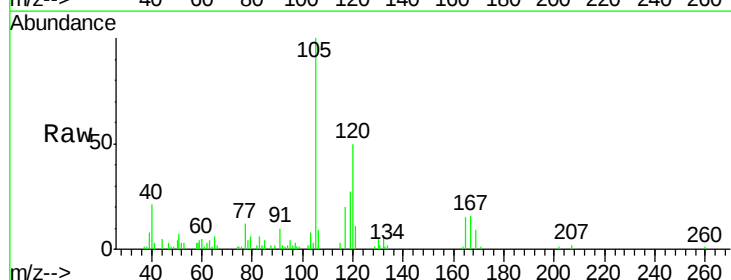
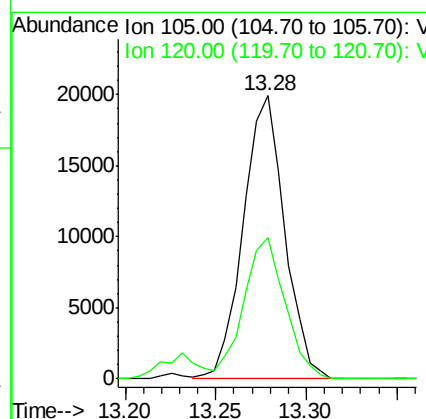
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 2.054 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.7	23.3	69.9





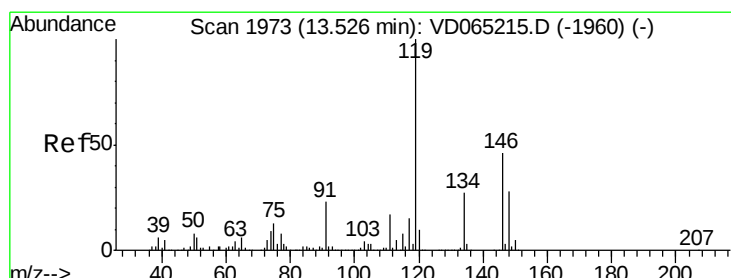
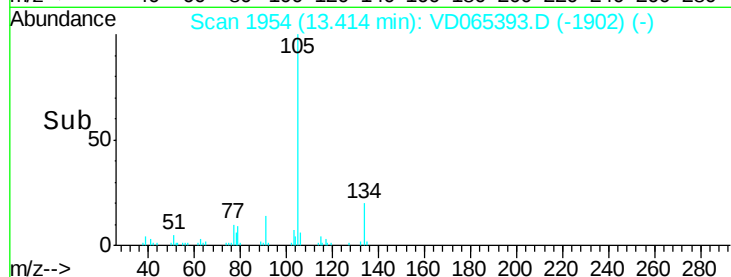
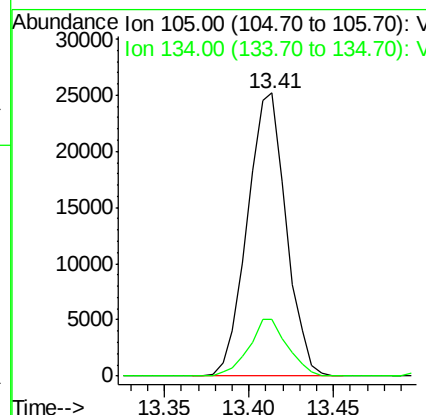
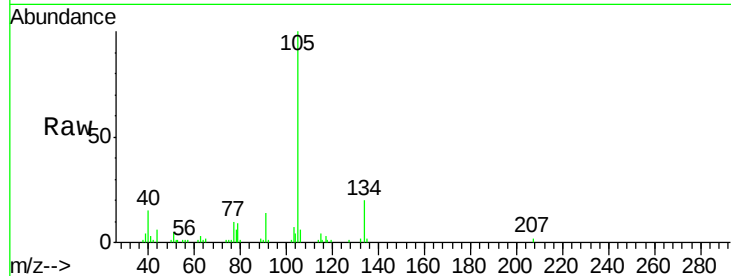
#85
 sec-Butylbenzene
 Concen: 2.171 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065393.D
 Acq: 03 Mar 2020 14:36

Instrument :
 MSVOA_D
 ClientSampled :
 VD0307

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.3	30.9

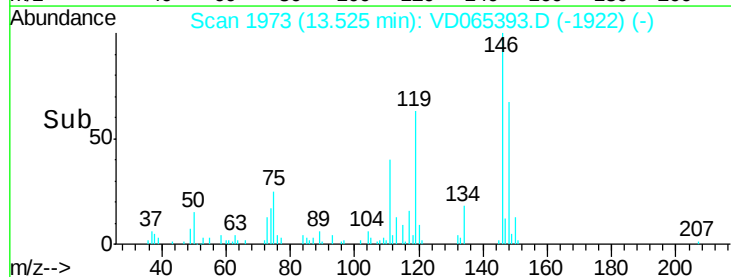
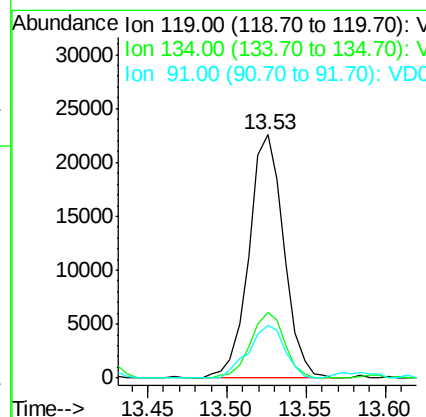
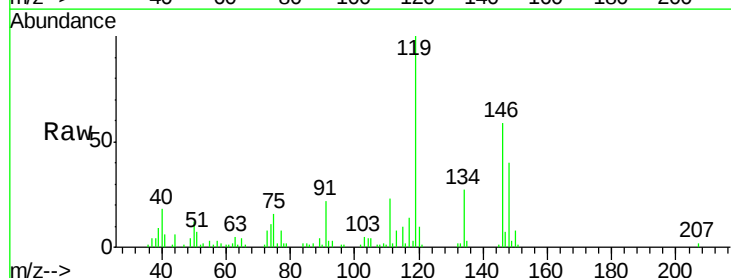
Manual Integrations
 APPROVED

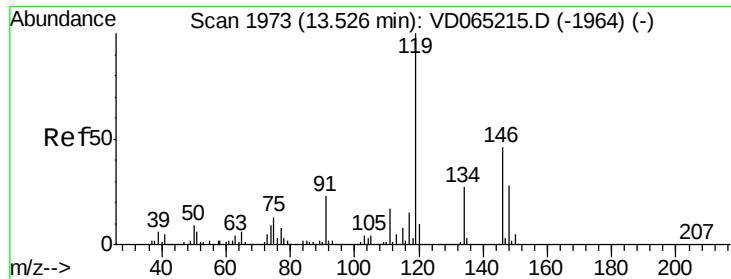
MMDadoda
 3/4/2020 2:01:34 PM



#86
 p-Isopropyltoluene
 Concen: 2.031 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065393.D
 Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.3	39.8
91	22.4	11.1	33.1





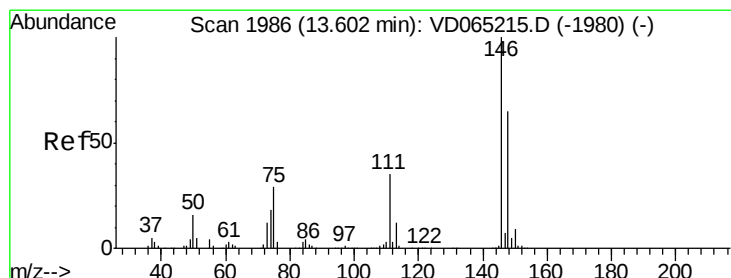
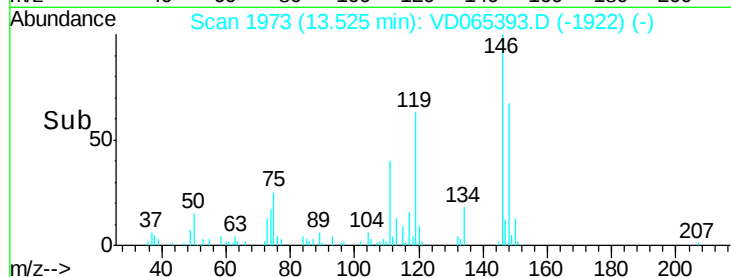
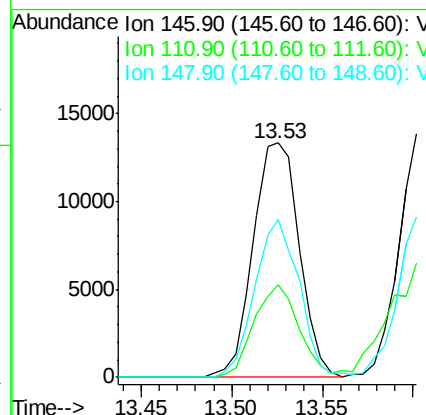
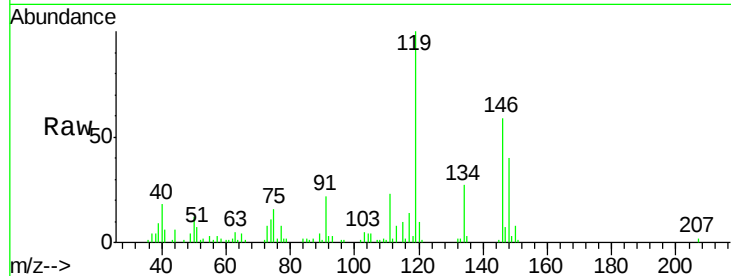
#87
 1,3-Dichlorobenzene
 Concen: 2.630 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065393.D
 Acq: 03 Mar 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	55.8
148	64.9	31.4	94.3

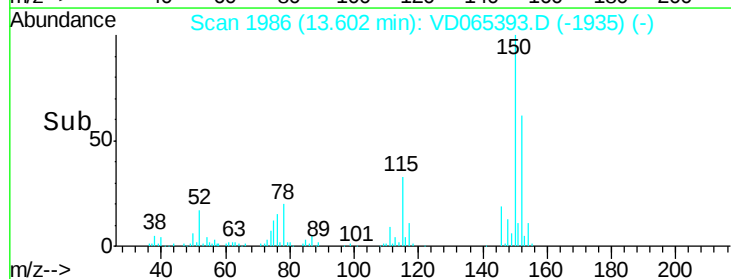
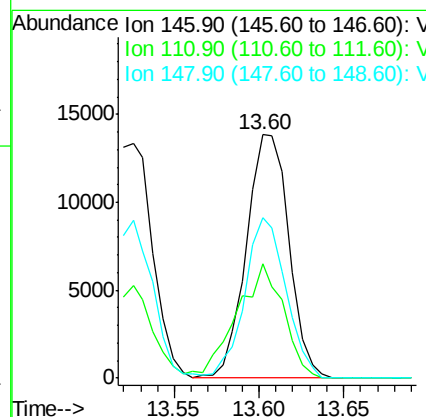
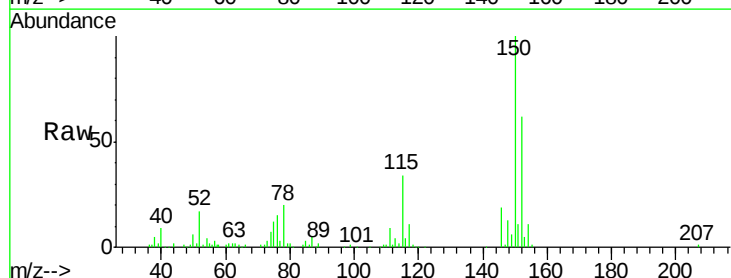
Manual Integrations
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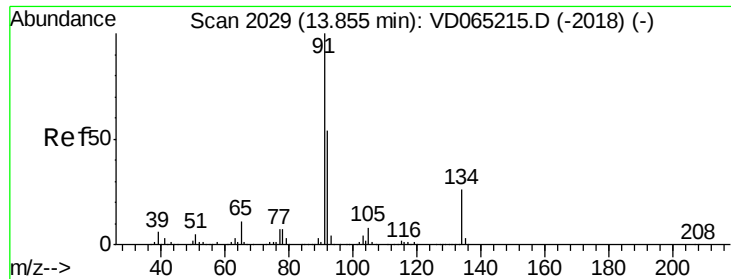
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#88
 1,4-Dichlorobenzene
 Concen: 2.732 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065393.D
 Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.3	18.4	55.2
148	64.2	32.1	96.5





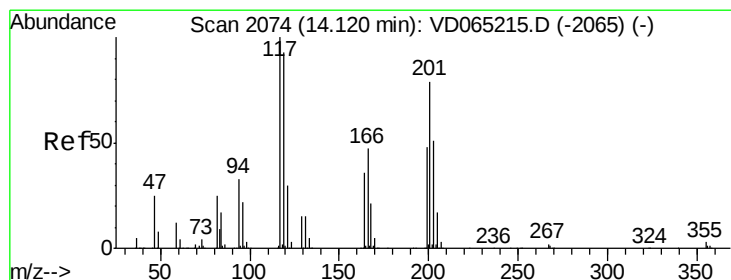
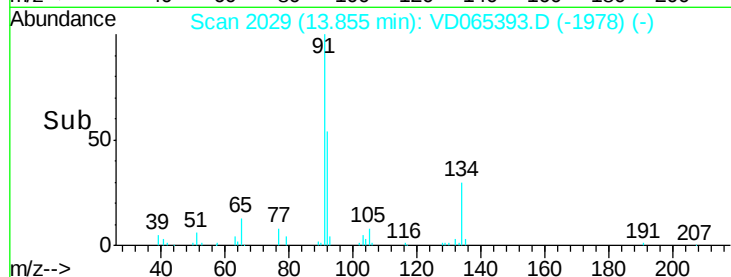
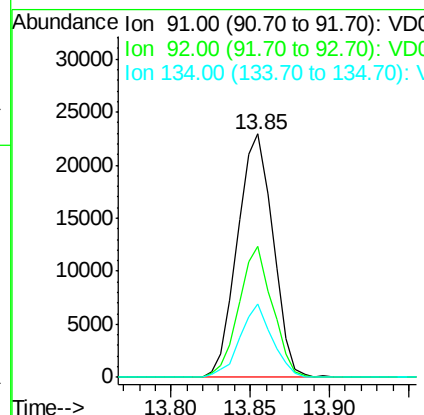
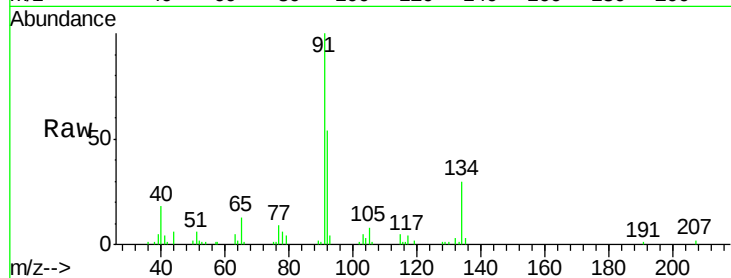
#89
n-Butylbenzene
Concen: 2.289 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	27.0	80.8
134	27.0	13.5	40.4

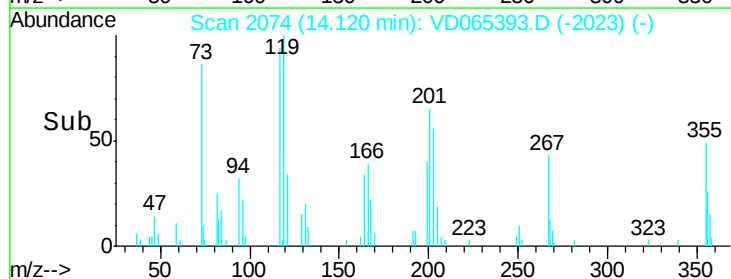
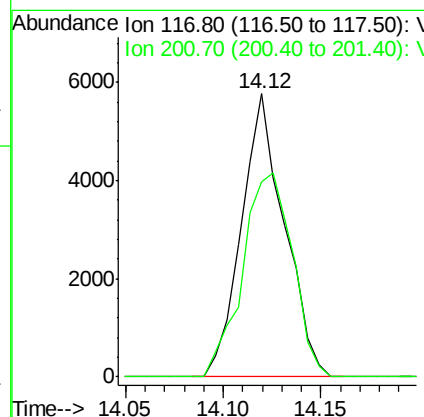
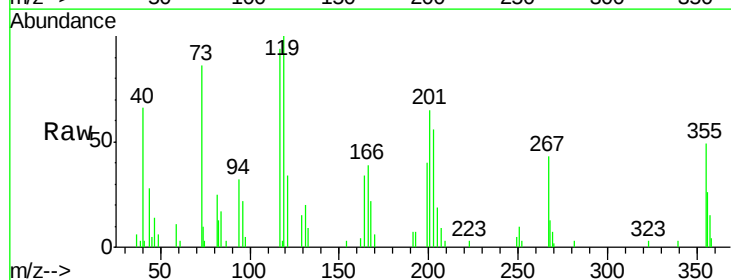
Manual Integrations
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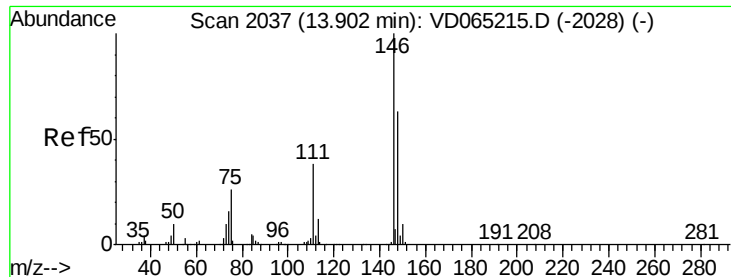
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#90
Hexachloroethane
Concen: 2.547 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	41.3	124.1





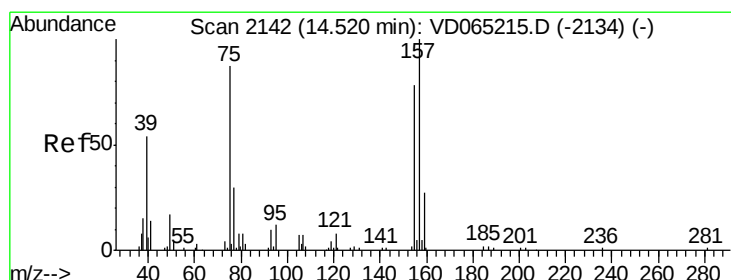
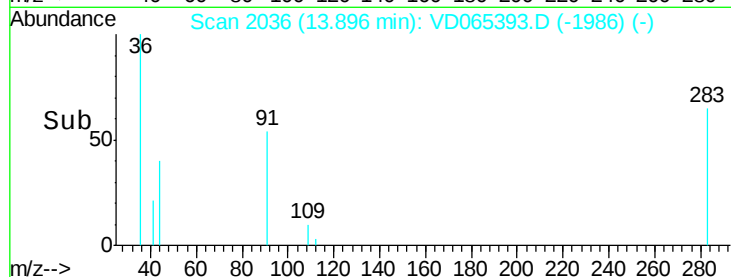
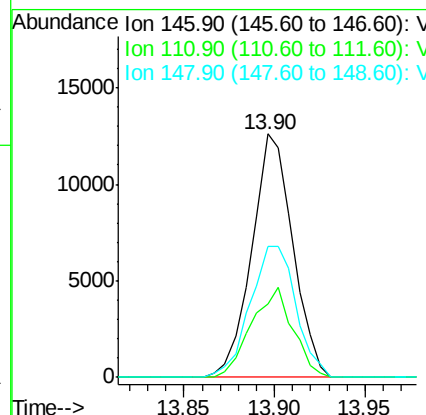
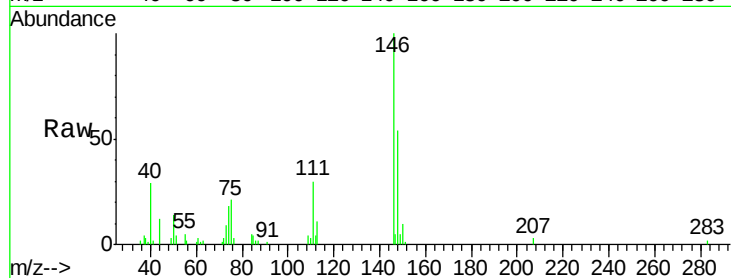
#91
1,2-Dichlorobenzene
Concen: 2.582 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. -0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.7	59.0
148	60.2	32.0	96.2

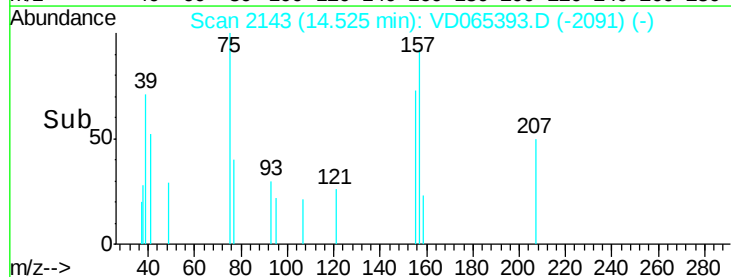
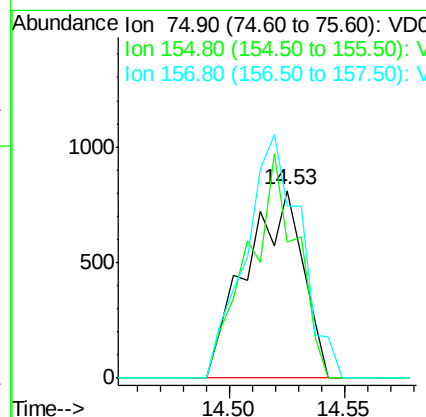
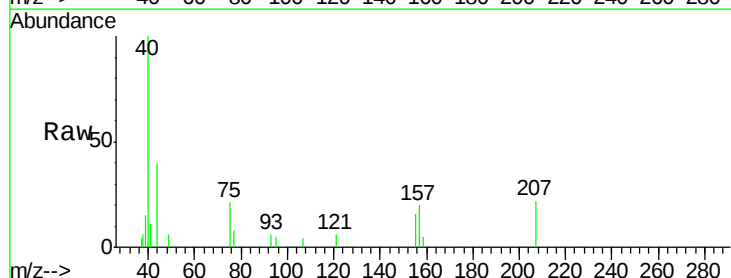
Manual Integrations
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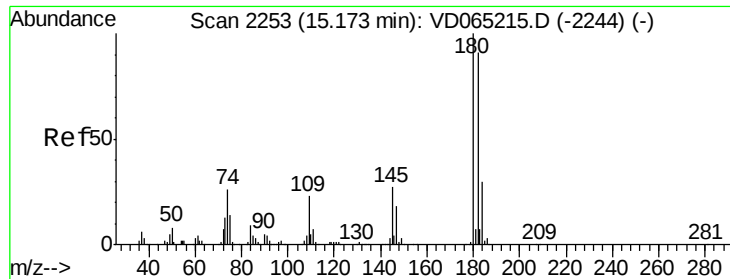
MMDadoda
3/4/2020 2:01:34 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.674 ug/l
RT: 14.53 min Scan# 2143
Delta R.T. 0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.2	42.3	126.9
157	125.6	56.7	170.1





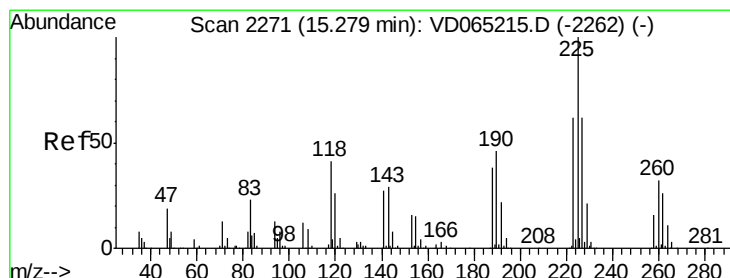
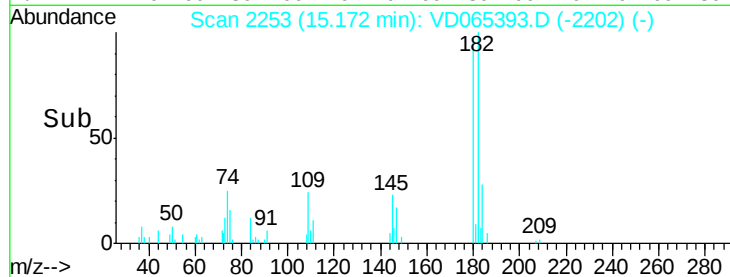
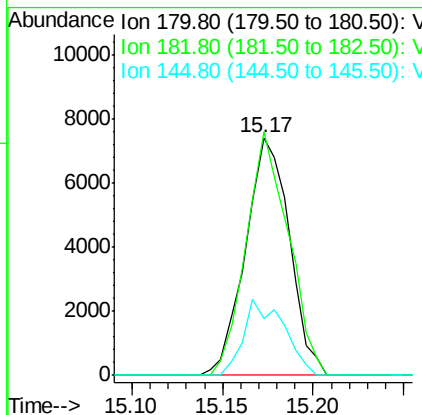
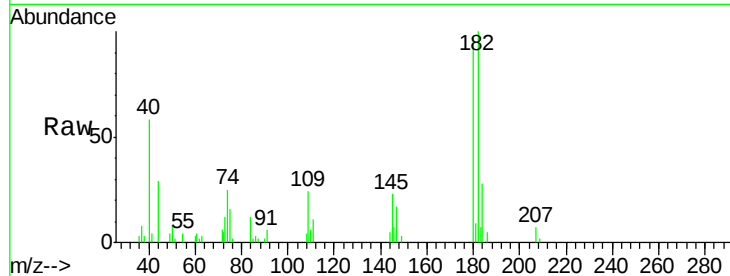
#93
 1,2,4-Trichlorobenzene
 Concen: 2.486 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065393.D
 Acq: 03 Mar 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

Tot Ion:	180	Resp:	12511
Ion Ratio	Lower	Upper	
180	100		
182	99.0	46.9	140.6
145	29.2	13.9	41.7

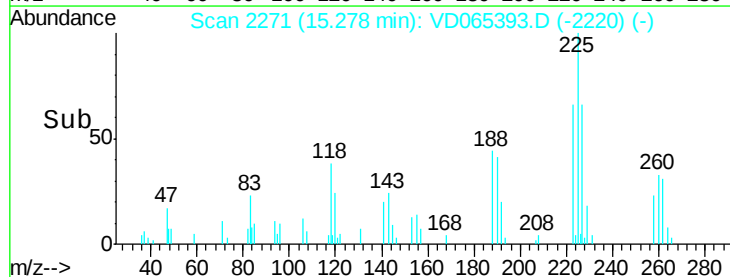
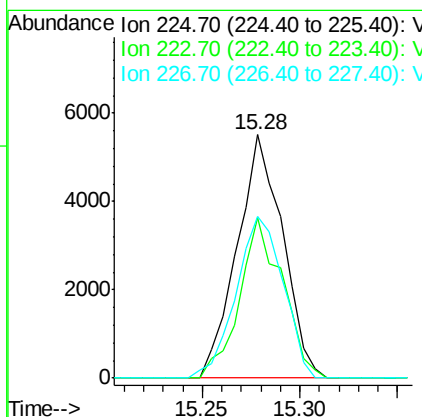
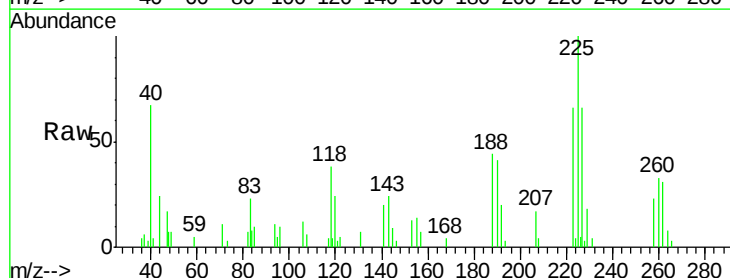
Manual Integrations
 APPROVED

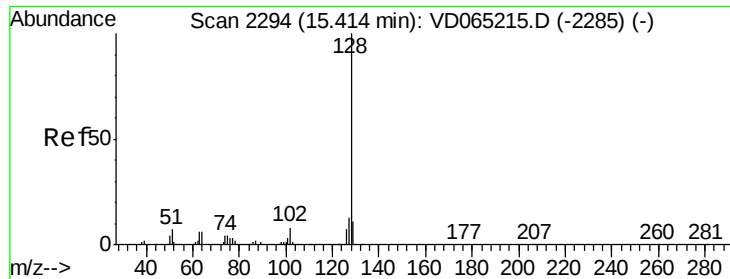
MMDadoda
 3/4/2020 2:01:34 PM



#94
 Hexachlorobutadiene
 Concen: 2.759 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065393.D
 Acq: 03 Mar 2020 14:36

Tgt Ion:	225	Resp:	8908
Ion Ratio	Lower	Upper	
225	100		
223	62.3	31.4	94.2
227	68.7	31.7	95.1





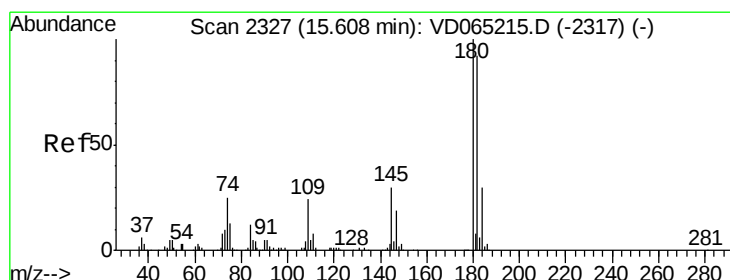
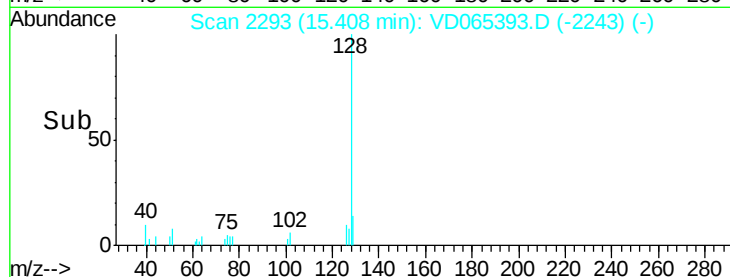
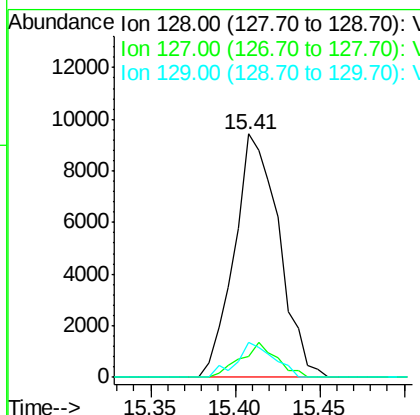
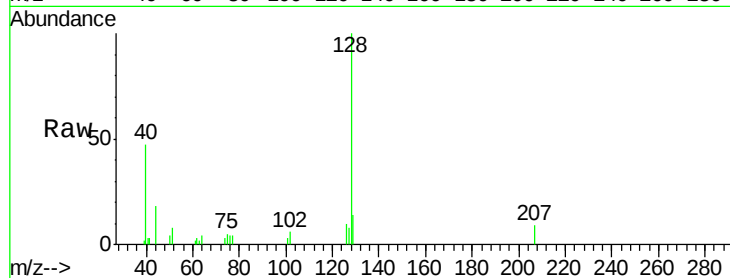
#95
Naphthalene
Concen: 2.120 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0307

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.3	15.5
129	11.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:01:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.559 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065393.D
Acq: 03 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.0	46.9	140.6
145	27.3	15.4	46.1

