

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065061.D
 Acq On : 05 Feb 2020 12:31
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:07 AM

Quant Time: Feb 05 15:54:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:24:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	618058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	926375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	806290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	385460	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	51820	8.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.84%	
35) Dibromofluoromethane	7.93	113	49611	8.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.36%	
50) Toluene-d8	10.34	98	192536	8.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.40%	
62) 4-Bromofluorobenzene	12.64	95	62599	9.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	53771	11.296	ug/l	95
3) Chloromethane	2.21	50	62964	9.396	ug/l	95
4) Vinyl Chloride	2.35	62	67079	8.783	ug/l	96
5) Bromomethane	2.77	94	43578	8.524	ug/l	98
6) Chloroethane	2.93	64	40699	8.152	ug/l	97
7) Trichlorofluoromethane	3.27	101	94786	8.096	ug/l	99
8) Diethyl Ether	3.71	74	28221	10.362	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	57853	10.186	ug/l	100
10) Methyl Iodide	4.30	142	60041	9.922	ug/l	99
11) Tert butyl alcohol	5.25	59	17392m	54.642	ug/l	
12) 1,1-Dichloroethene	4.06	96	57477	10.609	ug/l	94
13) Acrolein	3.93	56	20475	50.366	ug/l	98
14) Allyl chloride	4.71	41	93366	10.753	ug/l	97
15) Acrylonitrile	5.43	53	59206	50.220	ug/l	98
16) Acetone	4.17	43	64405	51.640	ug/l	94
17) Carbon Disulfide	4.40	76	181599	10.218	ug/l	100
18) Methyl Acetate	4.73	43	27932	10.134	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	122237	10.200	ug/l	94
20) Methylene Chloride	4.96	84	79936	11.615	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	63955	10.314	ug/l	93
22) Diisopropyl ether	6.37	45	175333	10.248	ug/l	91
23) Vinyl Acetate	6.31	43	466768	47.073	ug/l	98
24) 1,1-Dichloroethane	6.27	63	107999	10.290	ug/l	98
25) 2-Butanone	7.23	43	79951	50.720	ug/l	97
26) 2,2-Dichloropropane	7.21	77	94221	9.838	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	67024	10.100	ug/l	99
28) Bromochloromethane	7.55	49	38403	9.462	ug/l	98
29) Tetrahydrofuran	7.58	42	48538	49.705	ug/l	99
30) Chloroform	7.71	83	106778	9.880	ug/l	94
31) Cyclohexane	7.98	56	109310	10.511	ug/l #	90
32) 1,1,1-Trichloroethane	7.91	97	100209	9.959	ug/l	99
36) 1,1-Dichloropropene	8.12	75	89377	10.022	ug/l	96
37) Ethyl Acetate	7.30	43	34241	9.330	ug/l	96
38) Carbon Tetrachloride	8.10	117	87444	9.344	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	106734	10.151	ug/l	98
40) Benzene	8.36	78	239640	9.766	ug/l	99
41) Methacrylonitrile	7.53	41	21302	11.026	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	68612	9.458	ug/l	98
43) Isopropyl Acetate	8.46	43	67169	9.638	ug/l	100
44) Trichloroethene	9.12	130	68949	9.975	ug/l	92
45) 1,2-Dichloropropane	9.40	63	57283	9.606	ug/l	96
46) Dibromomethane	9.48	93	29962	9.276	ug/l	100
47) Bromodichloromethane	9.67	83	77873	9.260	ug/l	94
48) Methyl methacrylate	9.46	41	34813	10.855	ug/l	91
49) 1,4-Dioxane	9.47	88	7571	203.951	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	162807	46.979	ug/l	99
52) Toluene	10.41	92	151728	9.581	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	75489	9.420	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	89948	9.547	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	42307	9.733	ug/l	98
56) Ethyl methacrylate	10.67	69	49887	9.564	ug/l	98
57) 1,3-Dichloropropane	10.95	76	72936	9.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	76536	42.126	ug/l	98
59) 2-Hexanone	10.99	43	111537	46.500	ug/l	100
60) Dibromochloromethane	11.14	129	54427	9.397	ug/l	100
61) 1,2-Dibromoethane	11.25	107	40517	9.658	ug/l	100
64) Tetrachloroethene	10.88	164	58416	9.990	ug/l	96
65) Chlorobenzene	11.68	112	162562	9.906	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	58210	9.475	ug/l	98
67) Ethyl Benzene	11.75	91	286537	9.851	ug/l	100
68) m/p-Xylenes	11.86	106	216282	19.319	ug/l	98
69) o-Xylene	12.18	106	98414	9.881	ug/l	100
70) Styrene	12.20	104	167616	9.512	ug/l	100
71) Bromoform	12.37	173	31260	9.248	ug/l #	100
73) Isopropylbenzene	12.48	105	265663	10.062	ug/l	100
74) N-amyl acetate	12.30	43	56279	9.582	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	44100	10.041	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	25193m	8.082	ug/l	
77) Bromobenzene	12.77	156	65804	10.215	ug/l	97
78) n-propylbenzene	12.83	91	312323	9.956	ug/l	99
79) 2-Chlorotoluene	12.92	91	175095	10.156	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	220662	10.202	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	14325	9.584	ug/l	99
82) 4-Chlorotoluene	13.01	91	187856	10.284	ug/l	100
83) tert-Butylbenzene	13.23	119	187734	10.241	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	215818	9.880	ug/l	99
85) sec-Butylbenzene	13.41	105	256746	9.861	ug/l	99
86) p-Isopropyltoluene	13.53	119	234354	9.664	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	124452	10.093	ug/l	97
88) 1,4-Dichlorobenzene	13.61	146	124033	10.136	ug/l	99
89) n-Butylbenzene	13.85	91	219331	9.909	ug/l	99
90) Hexachloroethane	14.13	117	45833	9.823	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	106521	10.182	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6774	9.577	ug/l	92

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ClientSampleId :
VSTDICC010

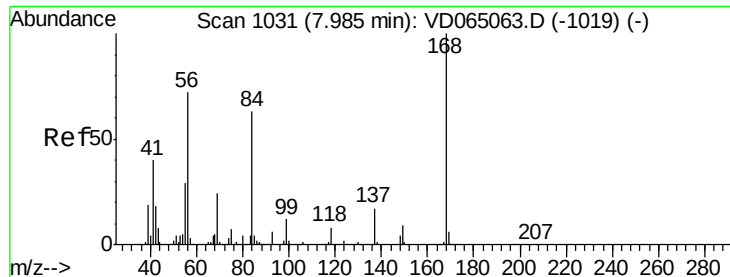
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	74260	10.193	ug/l	95
94) Hexachlorobutadiene	15.28	225	46753	10.145	ug/l	99
95) Naphthalene	15.41	128	122713	10.481	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	65862	10.517	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 618058

Ion Ratio Lower Upper

168 100

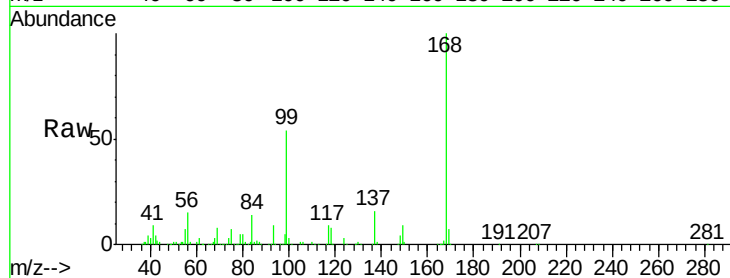
99 53.5 41.0 61.6

Manual Integrations

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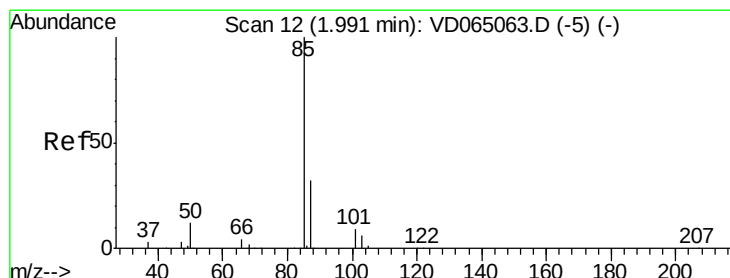
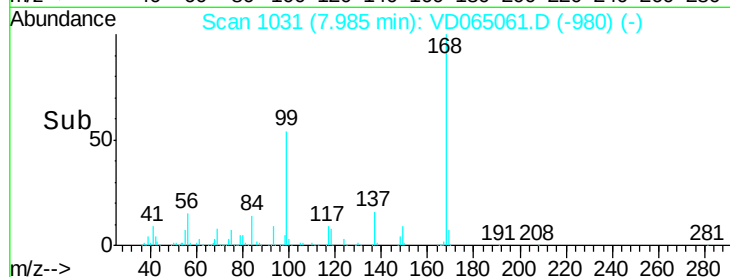
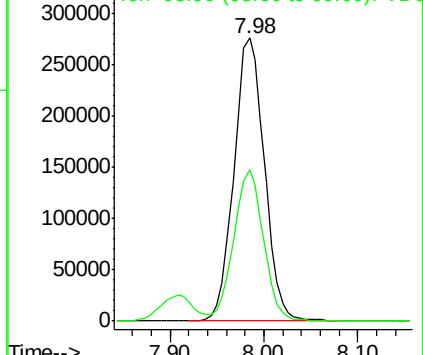
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 11.296 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065061.D

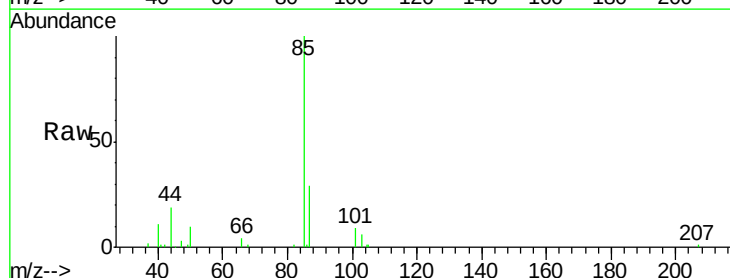
Acq: 05 Feb 2020 12:31

Tgt Ion: 85 Resp: 53771

Ion Ratio Lower Upper

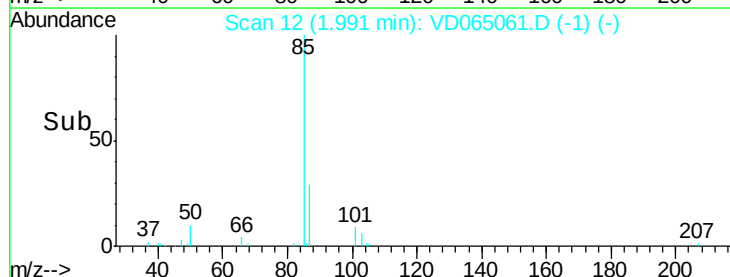
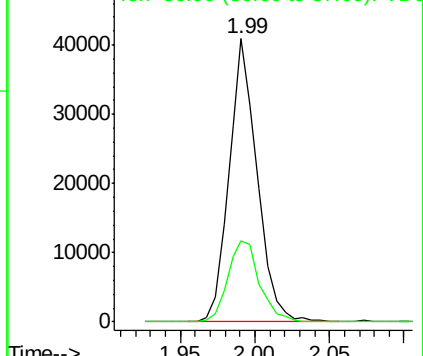
85 100

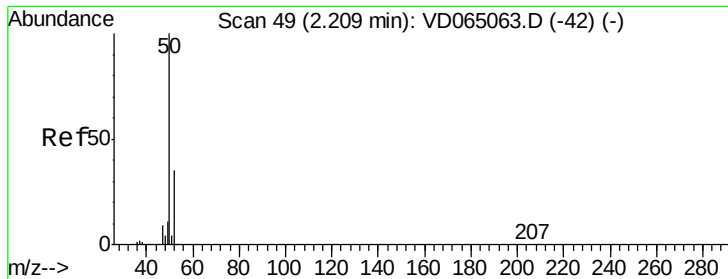
87 28.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 9.396 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 62964

Ion Ratio Lower Upper

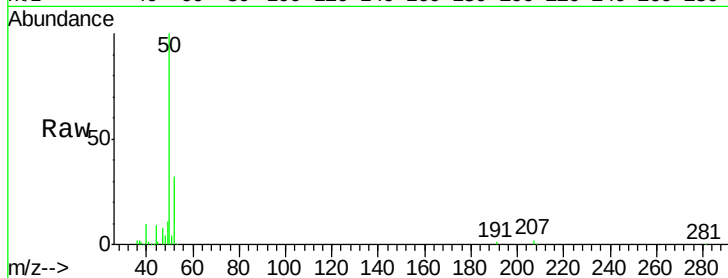
50 100

52 31.9 27.8 41.6

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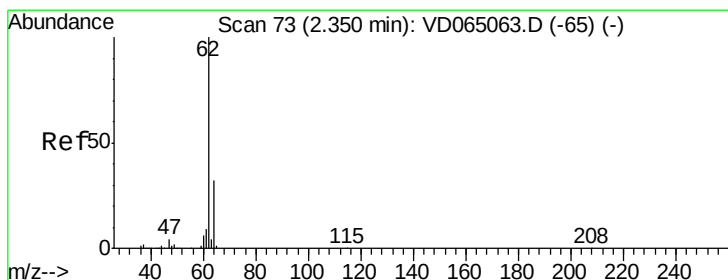
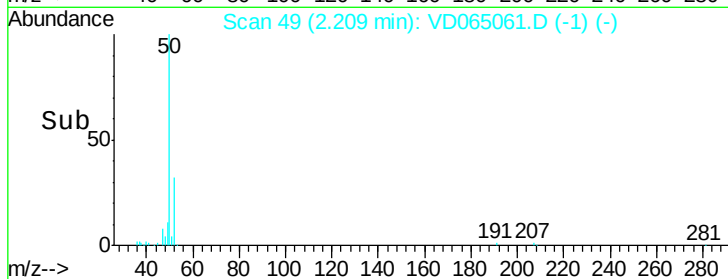
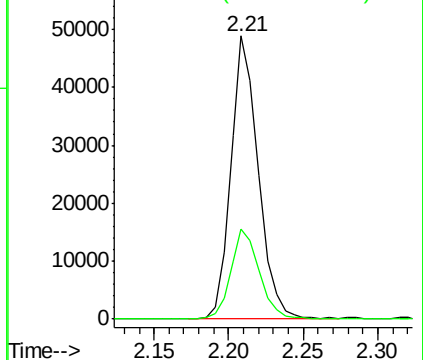
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 8.783 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065061.D

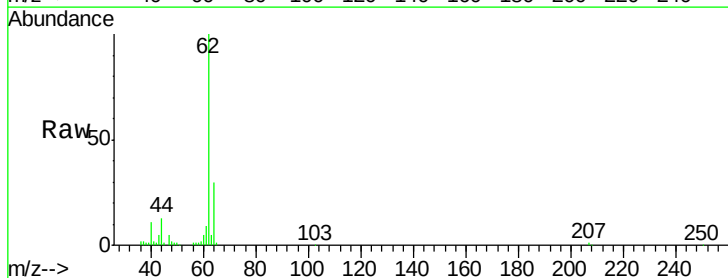
Acq: 05 Feb 2020 12:31

Tgt Ion: 62 Resp: 67079

Ion Ratio Lower Upper

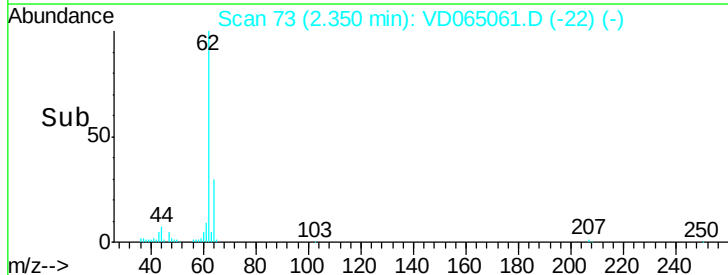
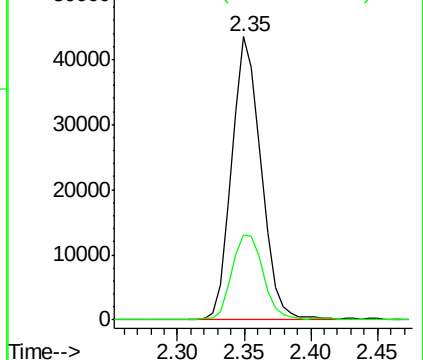
62 100

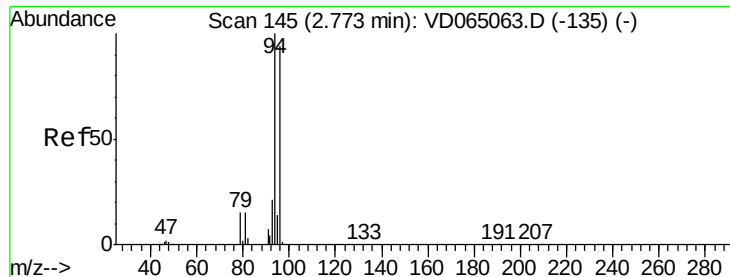
64 30.0 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 8.524 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 43578

Ion Ratio Lower Upper

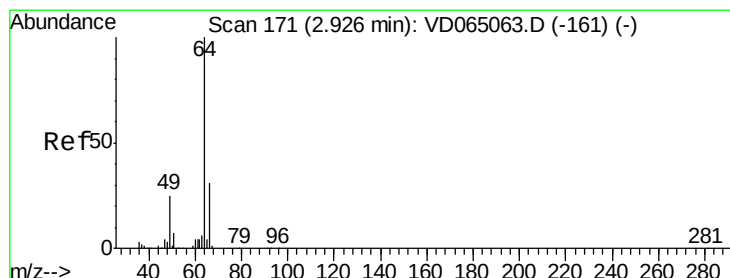
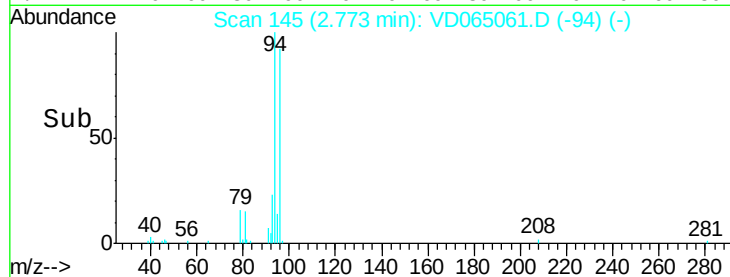
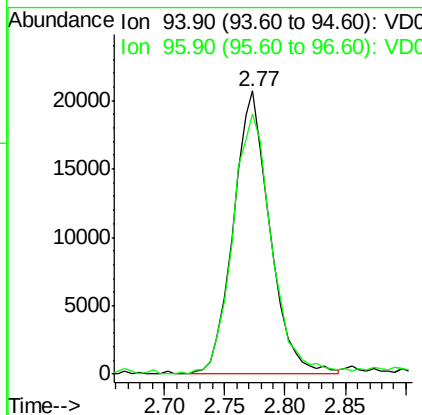
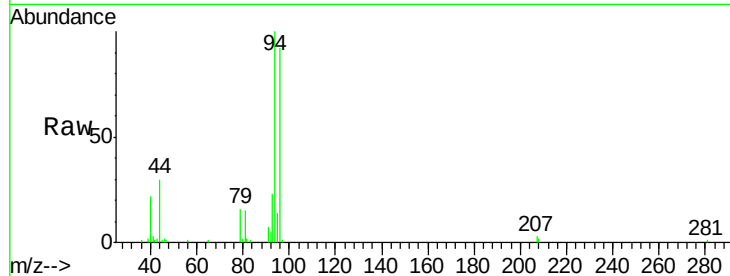
94 100

96 92.0 75.4 113.0

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#6

Chloroethane

Concen: 8.152 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065061.D

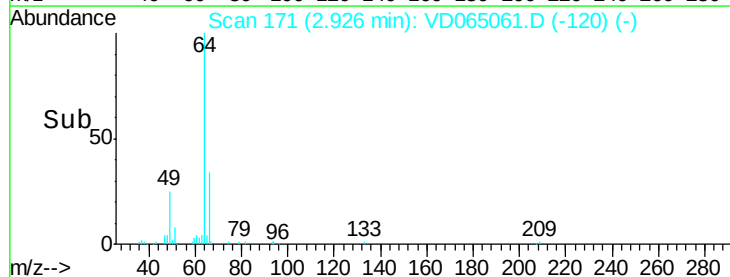
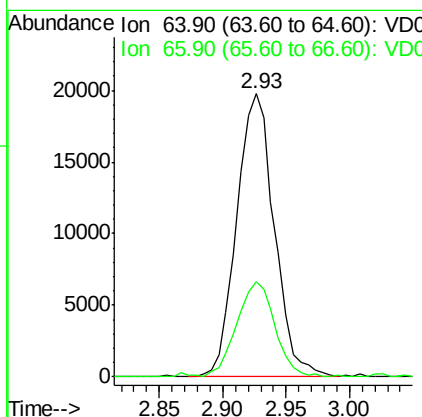
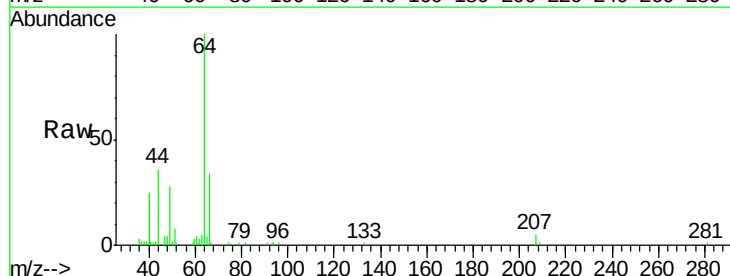
Acq: 05 Feb 2020 12:31

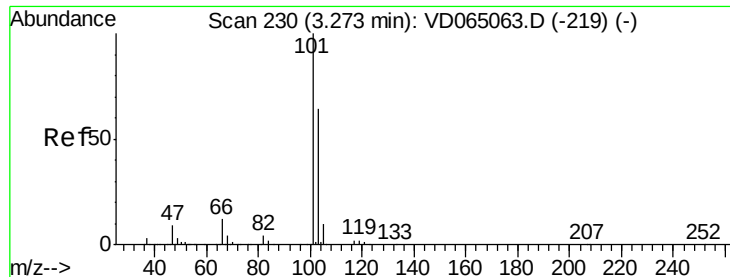
Tgt Ion: 64 Resp: 40699

Ion Ratio Lower Upper

64 100

66 32.9 24.8 37.2





#7

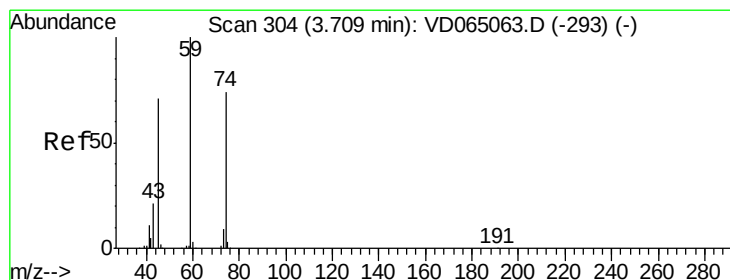
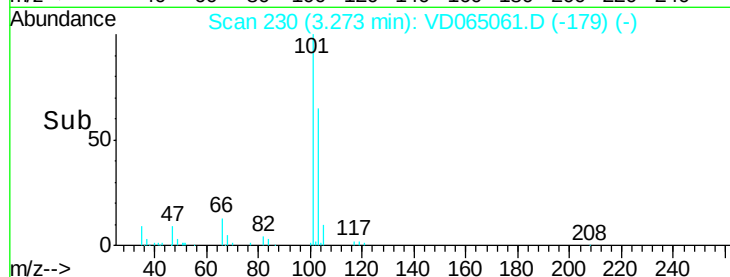
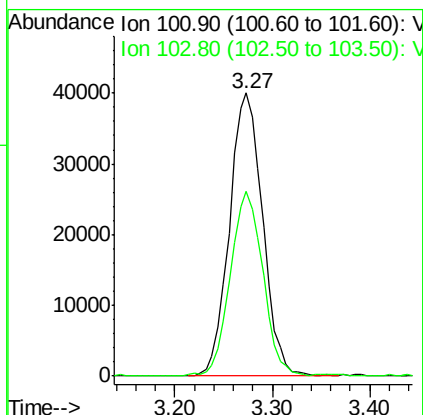
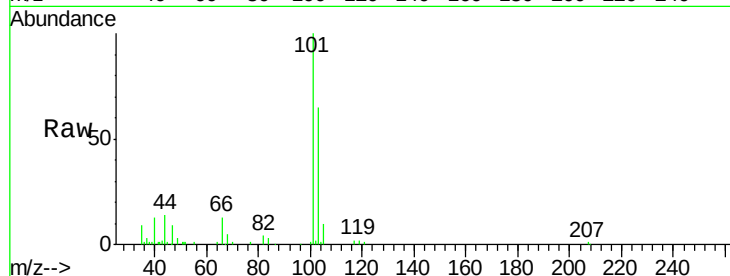
Trichlorofluoromethane
Concen: 8.096 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.0	76.6

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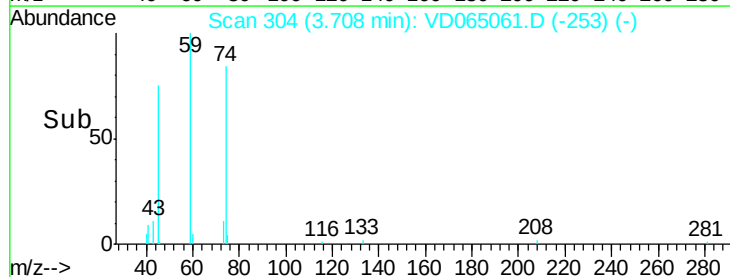
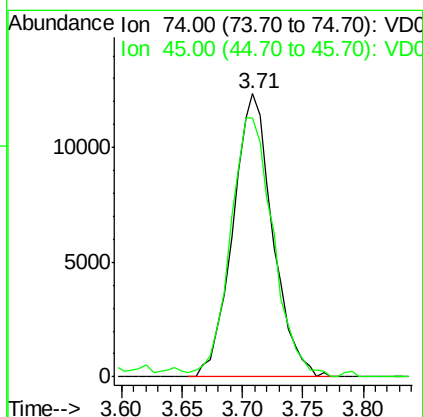
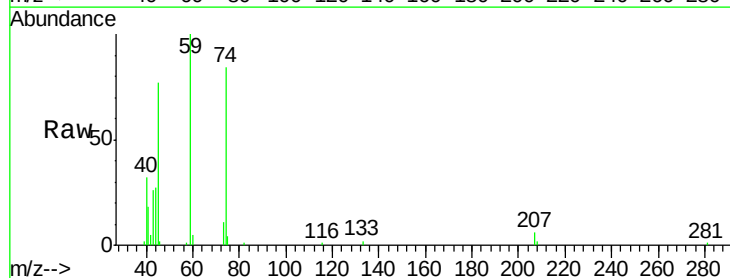
MMDadoda
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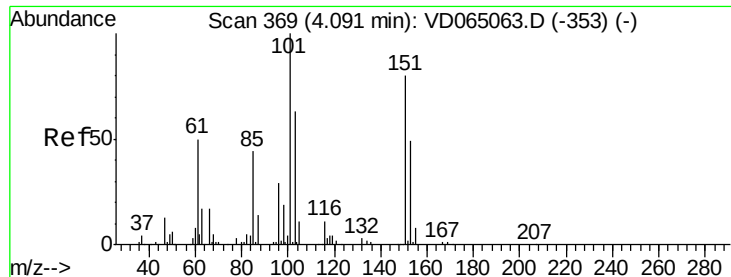


#8

Diethyl Ether
Concen: 10.362 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.186 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

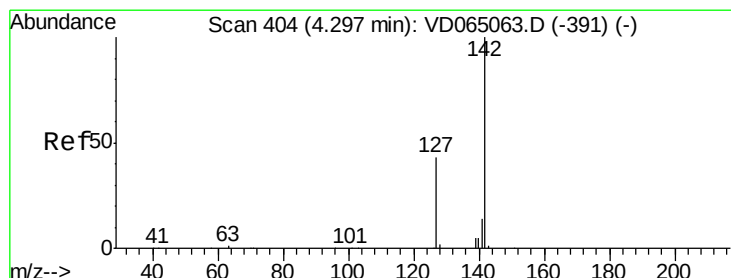
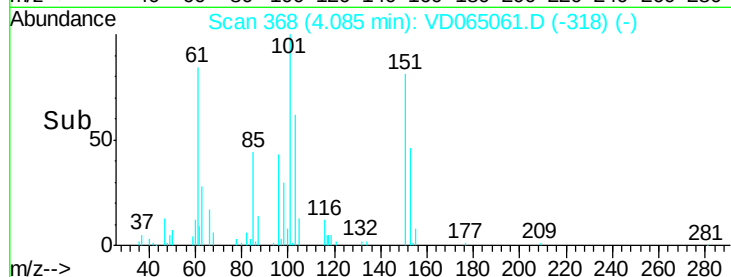
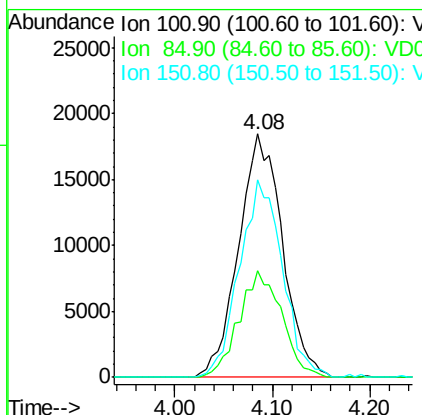
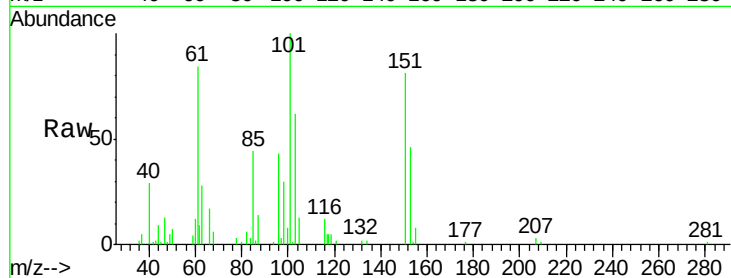
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	57853
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.0	51.0
151	79.4	64.0	96.0

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#10

Methyl Iodide

Concen: 9.922 ug/l

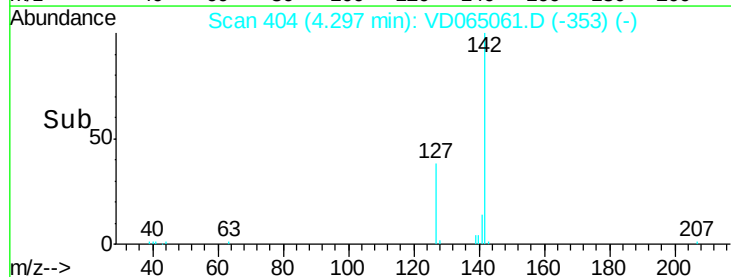
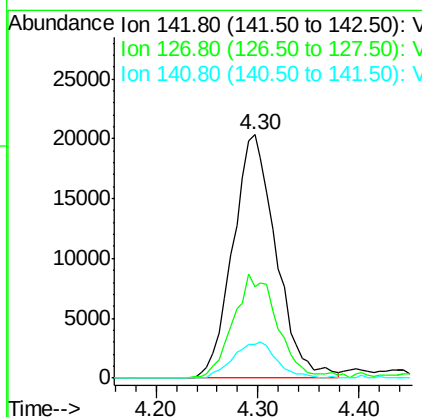
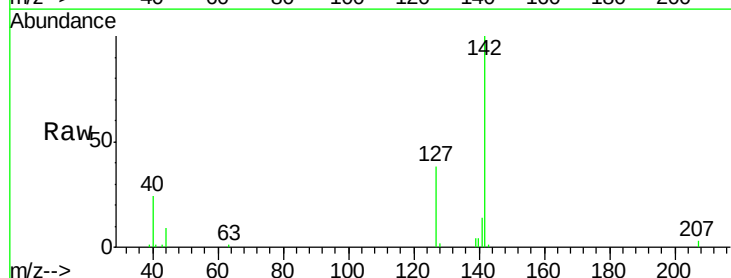
RT: 4.30 min Scan# 404

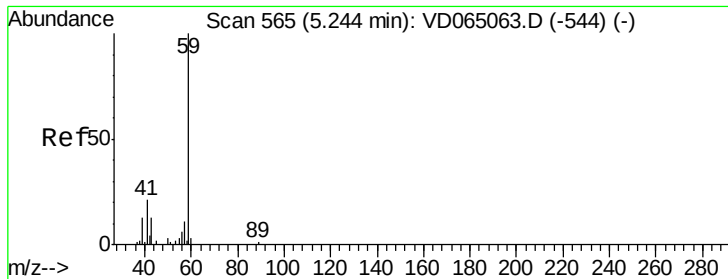
Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Tgt Ion:	142	Resp:	60041
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.0	51.0
141	14.9	11.6	17.4





#11

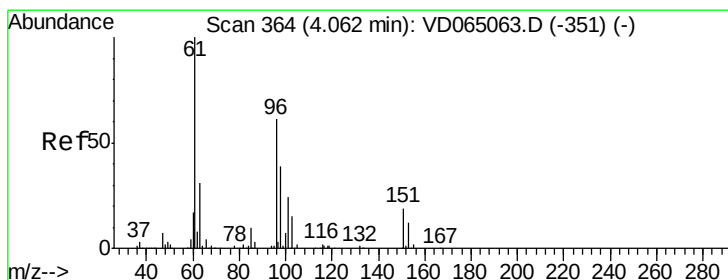
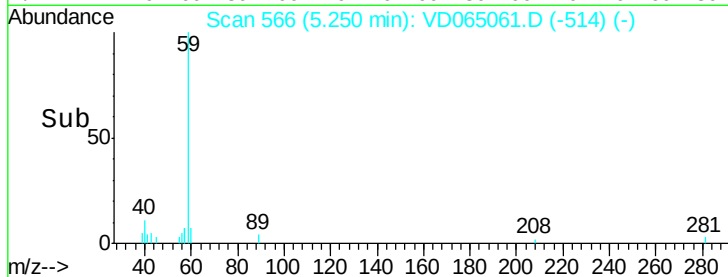
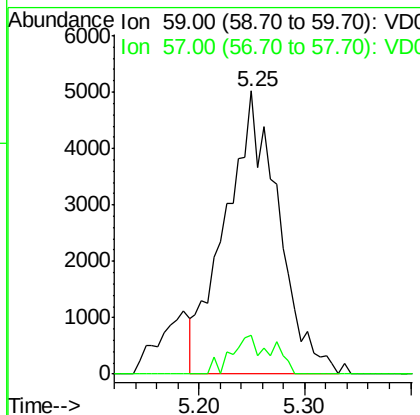
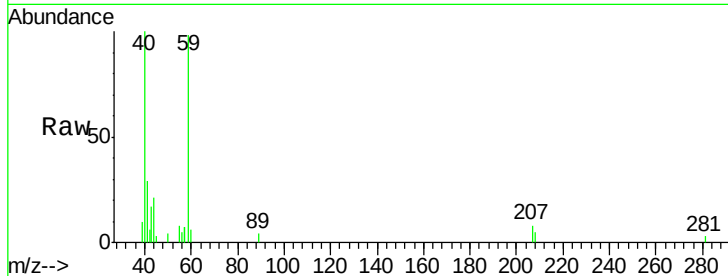
Tert butyl alcohol
 Concen: 54.642 ug/l m
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 59 Resp: 17392
 Ion Ratio Lower Upper
 59 100
 57 8.1 8.8 13.2#

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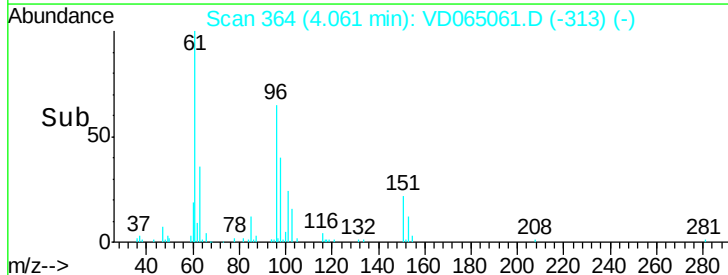
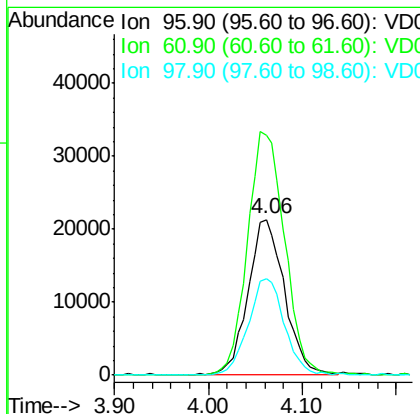
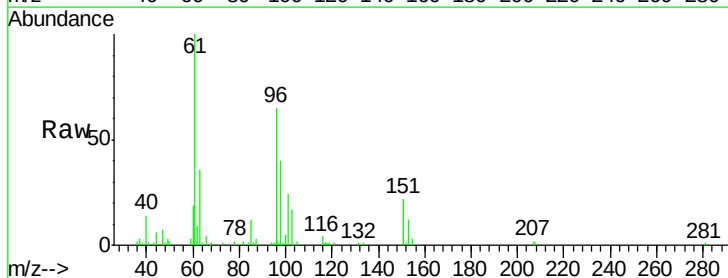
MMDadoda
 2/6/2020 10:37:07 AM

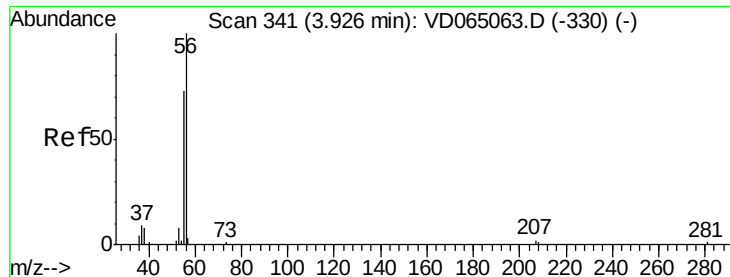


#12

1,1-Dichloroethene
 Concen: 10.609 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion: 96 Resp: 57477
 Ion Ratio Lower Upper
 96 100
 61 154.5 131.4 197.2
 98 62.3 51.1 76.7





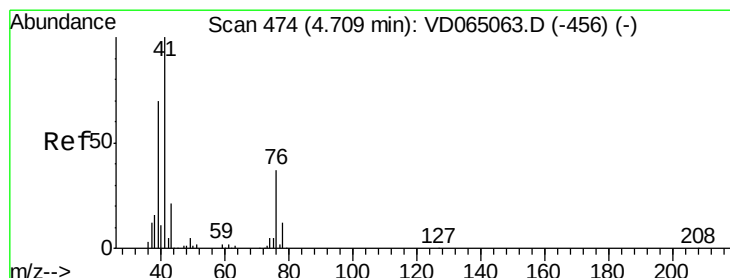
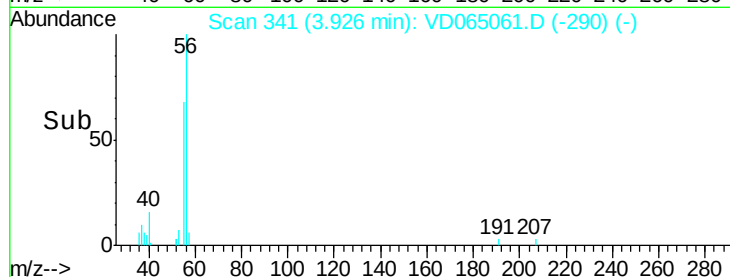
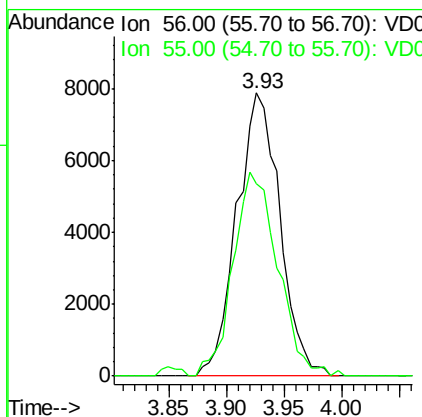
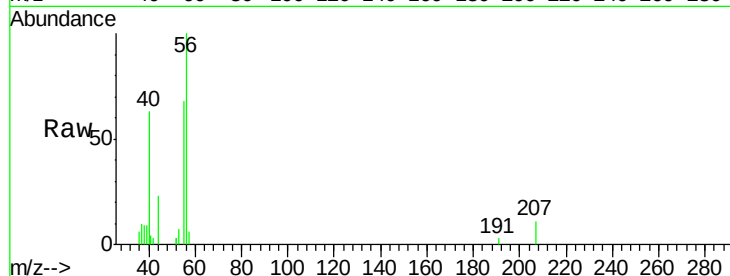
#13
Acrolein
Concen: 50.366 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	56	Resp	20475
Ion Ratio	100	Lower	Upper
55	74.7	58.2	87.2

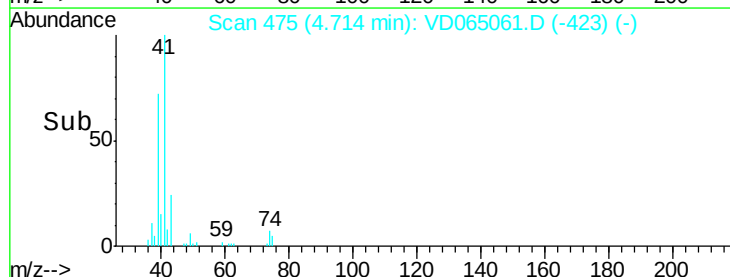
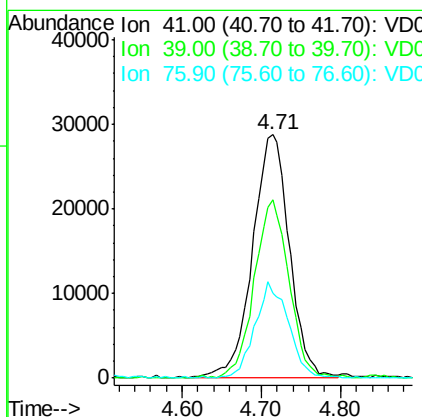
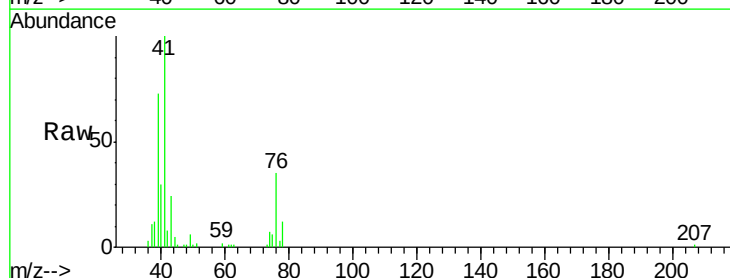
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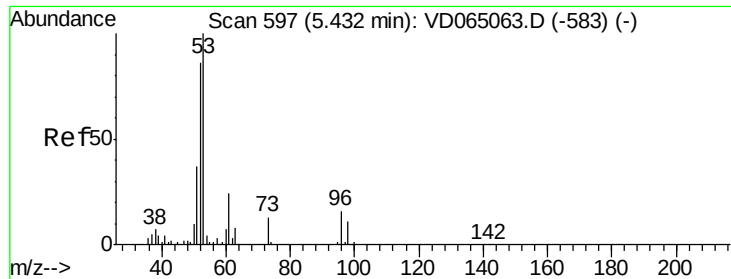
MMDadoda
2/6/2020 10:37:07 AM



#14
Allyl chloride
Concen: 10.753 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	41	Resp	93366
Ion Ratio	100	Lower	Upper
39	68.8	57.1	85.7
76	35.8	28.0	42.0





#15

Acrylonitrile

Concen: 50.220 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

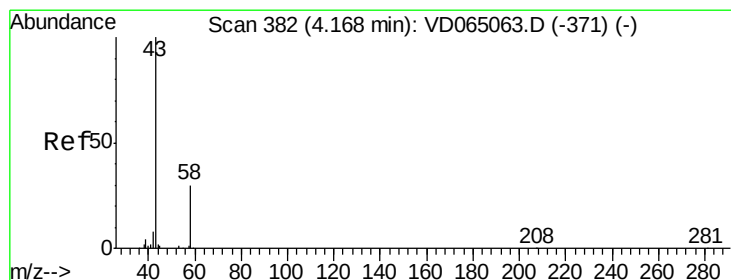
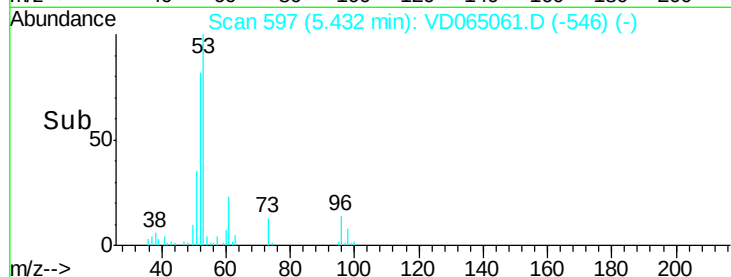
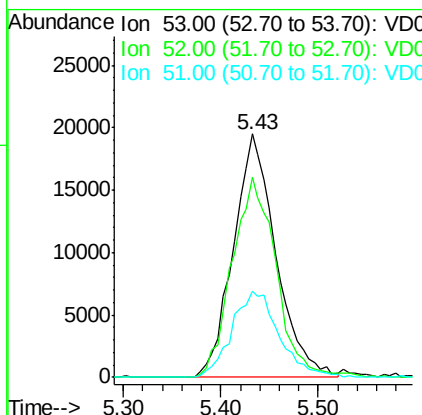
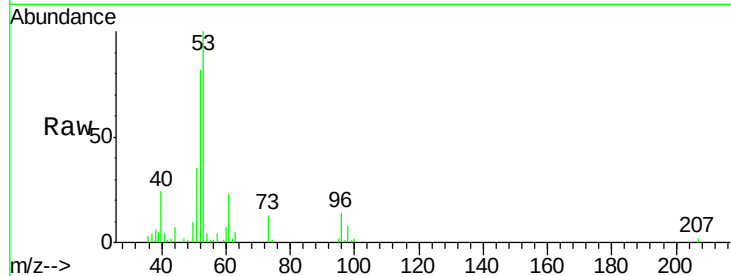
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	59206
Ion Ratio	Lower	Upper	
53	100		
52	84.2	66.2	99.2
51	39.2	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 51.640 ug/l

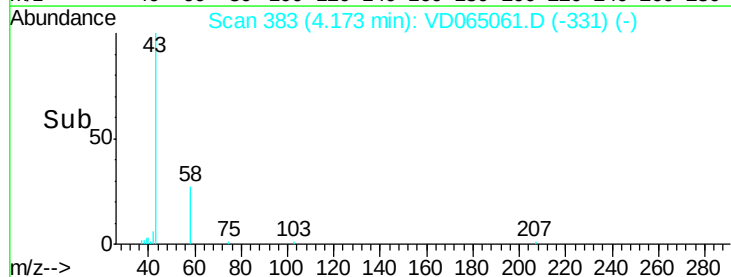
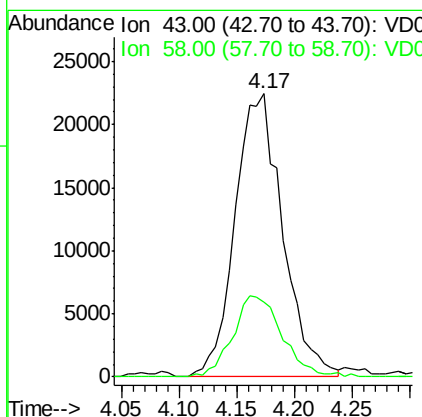
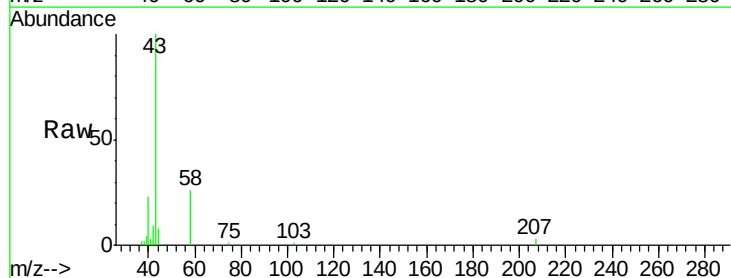
RT: 4.17 min Scan# 383

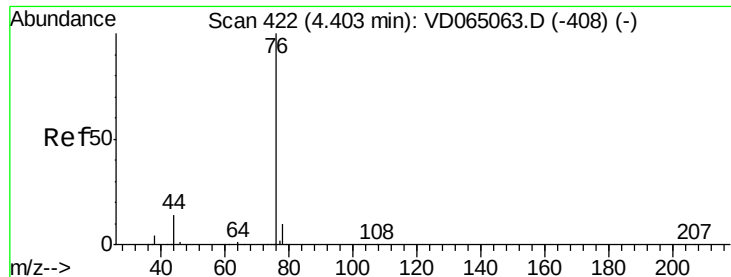
Delta R.T. 0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Tgt Ion:	43	Resp:	64405
Ion Ratio	Lower	Upper	
43	100		
58	26.3	23.5	35.3





#17

Carbon Disulfide

Concen: 10.218 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 181599

Ion Ratio Lower Upper

76 100

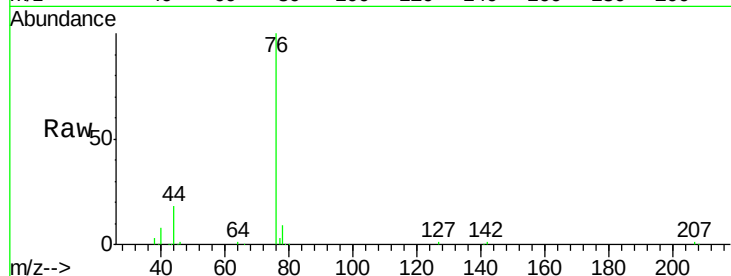
78 9.4 7.6 11.4

Manual Integrations

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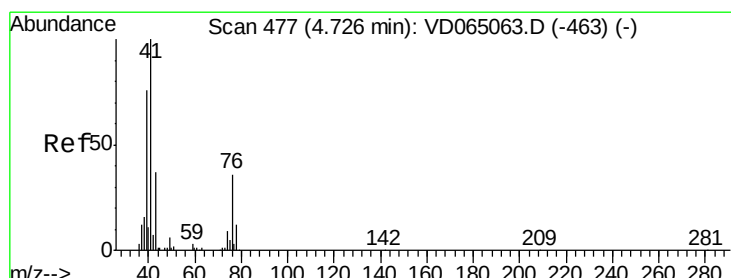
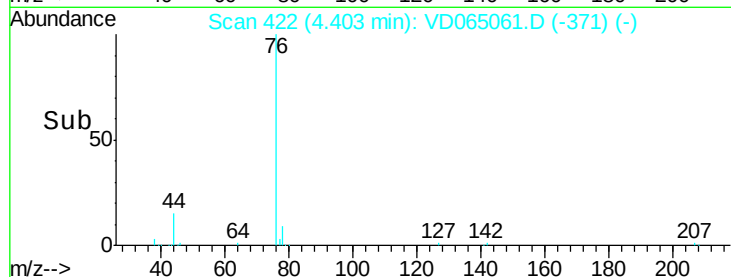
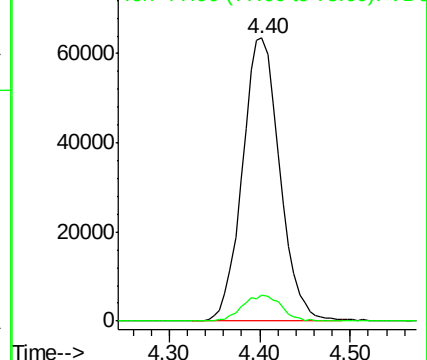
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 10.134 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065061.D

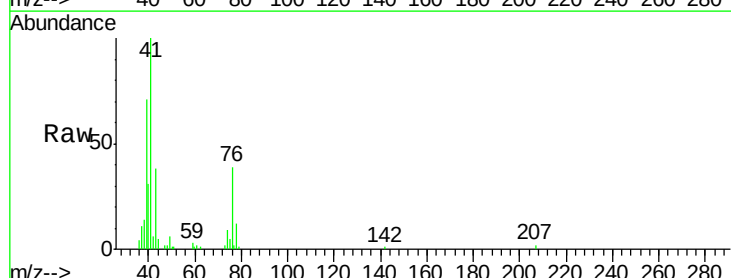
Acq: 05 Feb 2020 12:31

Tgt Ion: 43 Resp: 27932

Ion Ratio Lower Upper

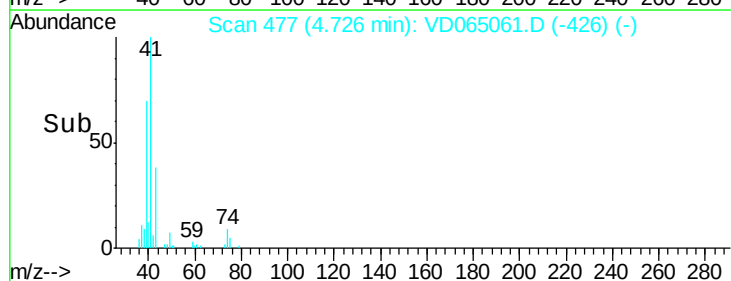
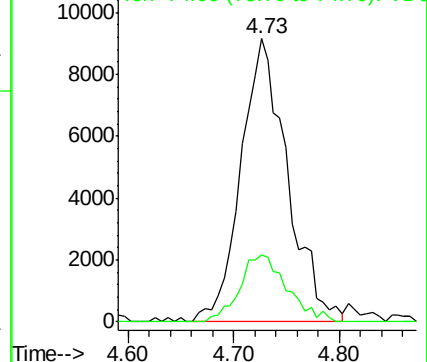
43 100

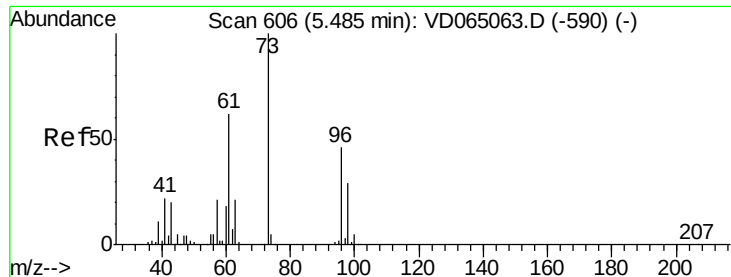
74 24.1 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





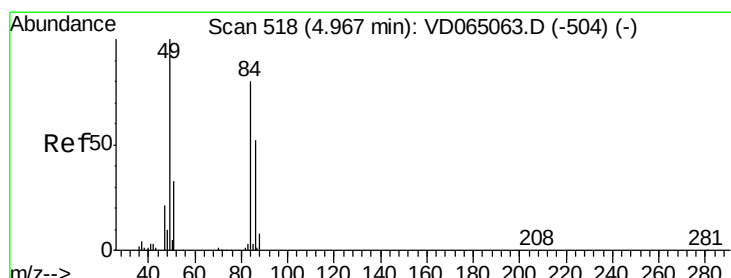
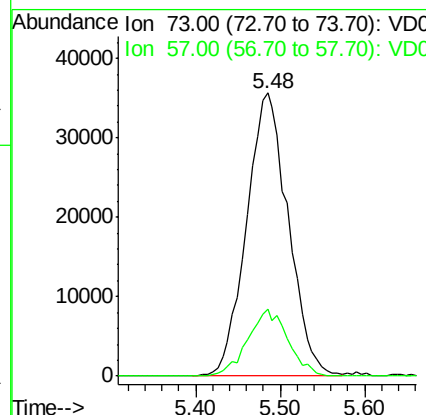
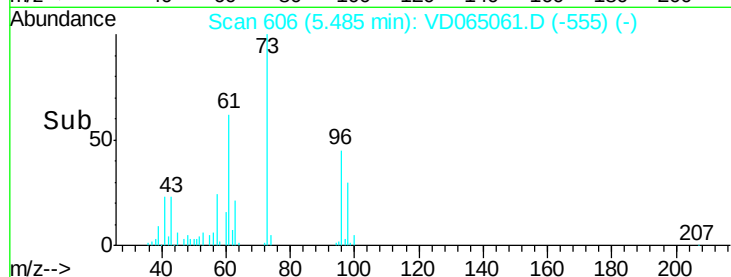
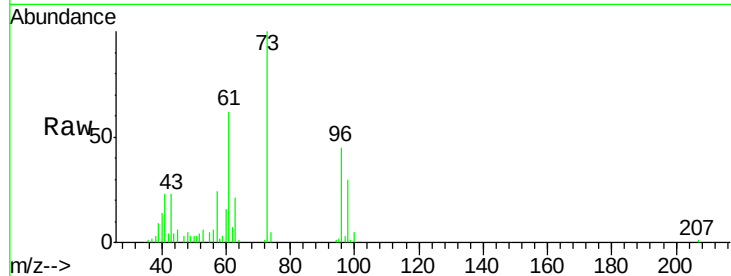
#19
Methyl tert-butyl Ether
Concen: 10.200 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	23.7	16.8	25.2

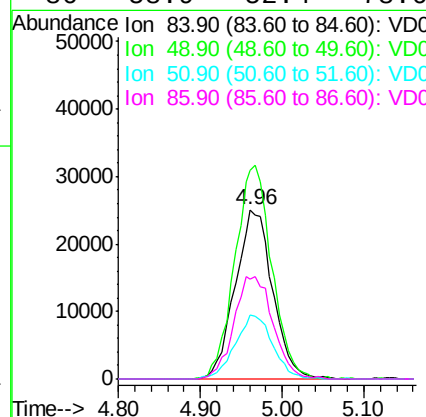
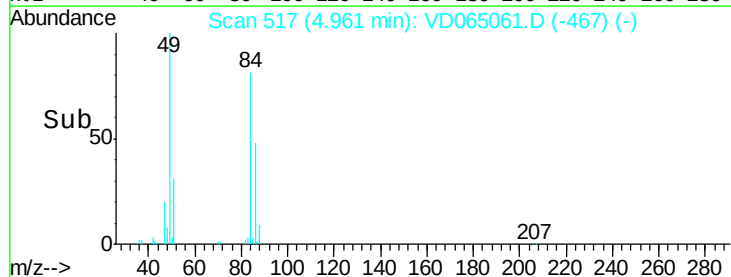
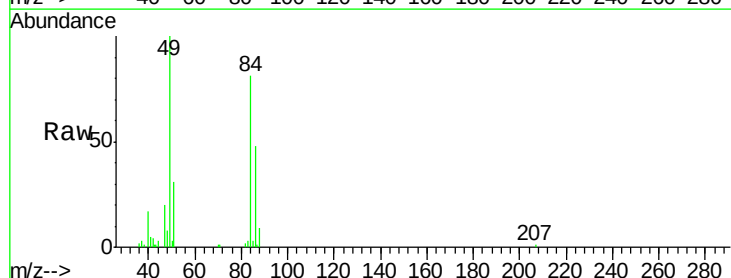
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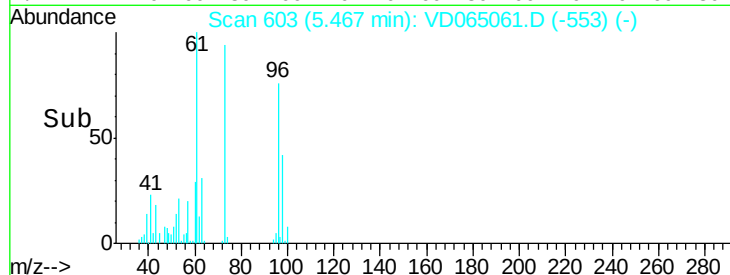
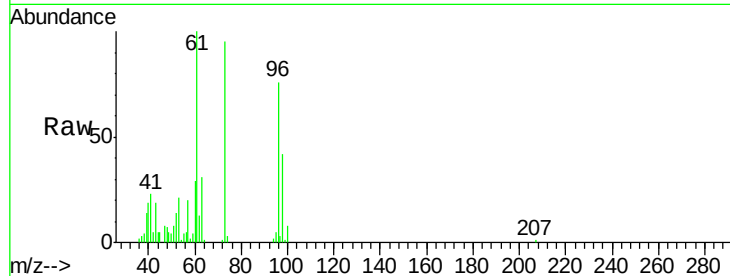
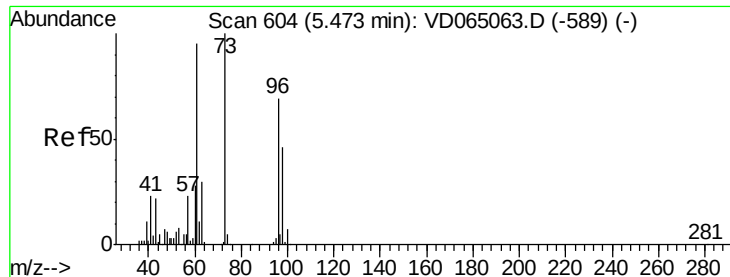
MMDadoda
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#20
Methylene Chloride
Concen: 11.615 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	123.3	100.4	150.6
51	51	37.6	32.7	49.1
86	86	58.9	52.4	78.6





#21

trans-1,2-Dichloroethene

Concen: 10.314 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065061.D

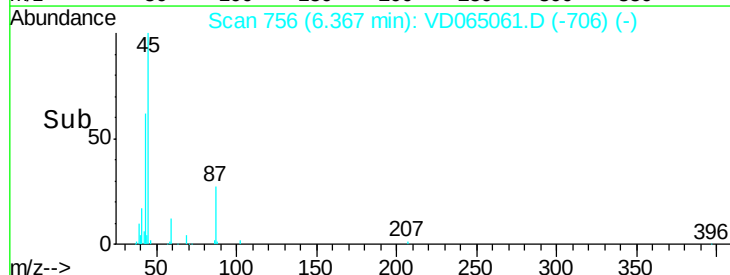
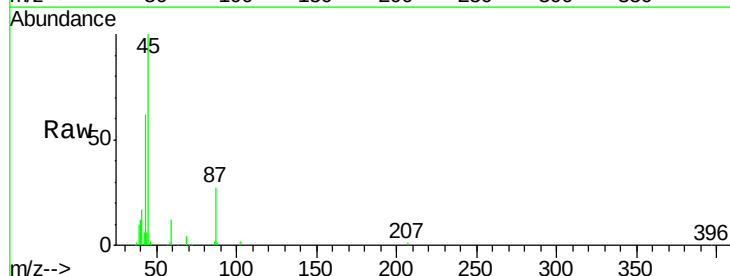
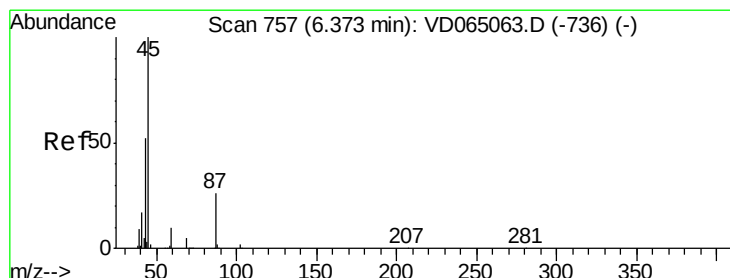
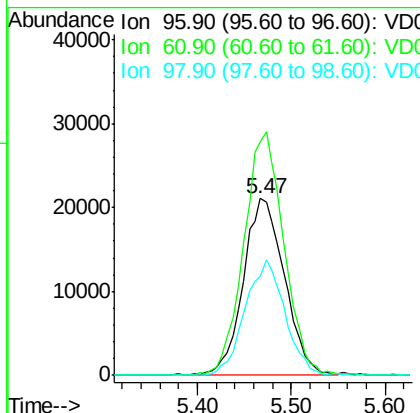
Acq: 05 Feb 2020 12:31

Tot Ion:	96	Resp:	63955
Ion	Ratio	Lower	Upper
96	100		
61	132.3	109.5	164.3
98	55.9	53.7	80.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Manual Integrations
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2/6/2020 10:37:07 AM



#22

Diisopropyl ether

Concen: 10.248 ug/l

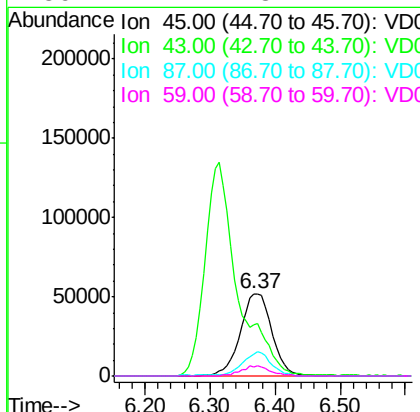
RT: 6.37 min Scan# 756

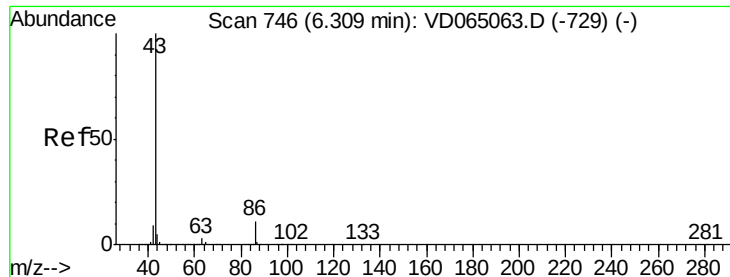
Delta R.T. -0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Tgt Ion:	45	Resp:	175333
Ion	Ratio	Lower	Upper
45	100		
43	60.9	41.3	61.9
87	26.9	21.0	31.6
59	11.7	8.2	12.4





#23

Vinyl Acetate

Concen: 47.073 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC010

Tot Ion: 43 Resp: 466768

Ion Ratio Lower Upper

43 100

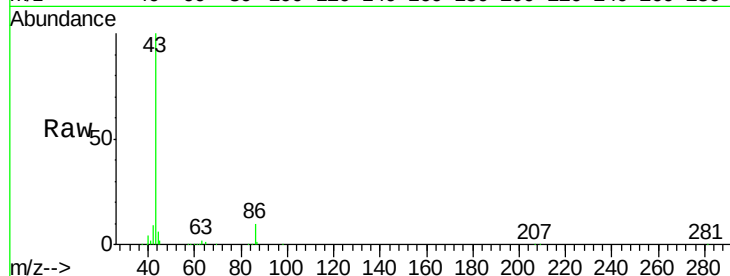
86 10.0 8.5 12.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

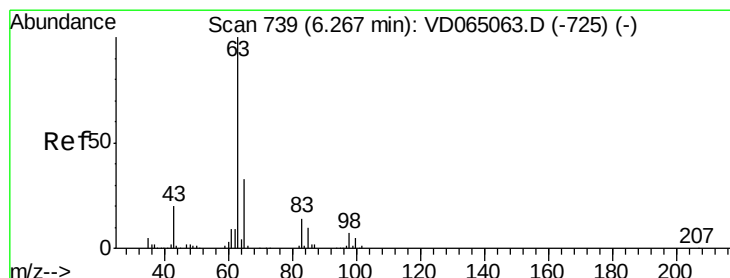
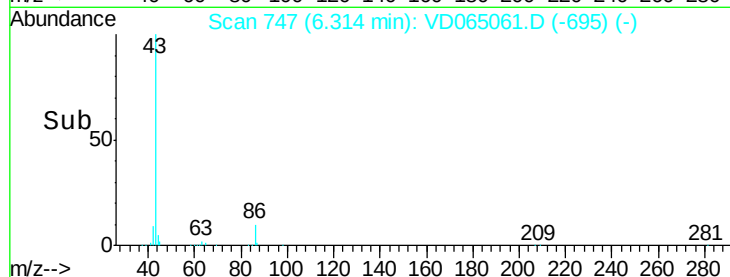
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 10.290 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

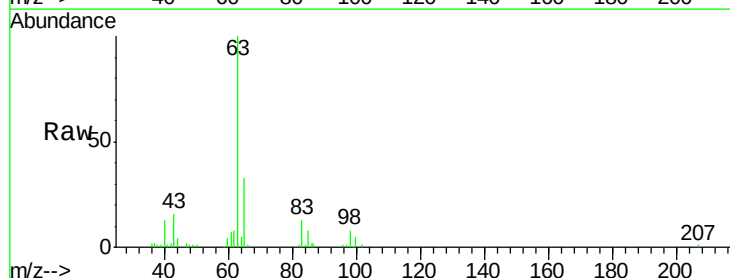
Tgt Ion: 63 Resp: 107999

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

100 4.7 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

40000

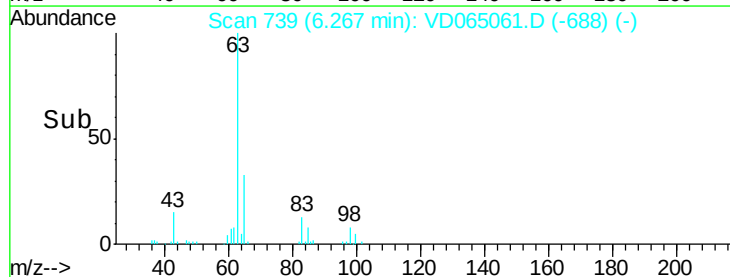
30000

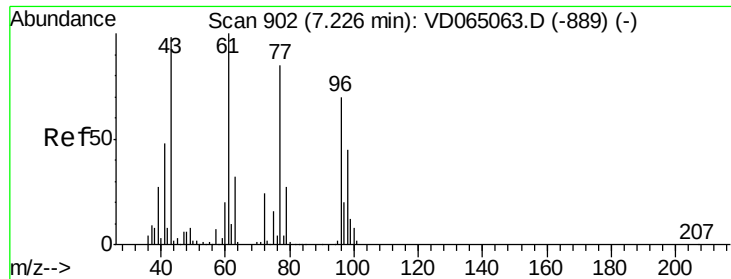
20000

10000

0

Time-->





#25

2-Butanone

Concen: 50.720 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 79951

Ion Ratio Lower Upper

43 100

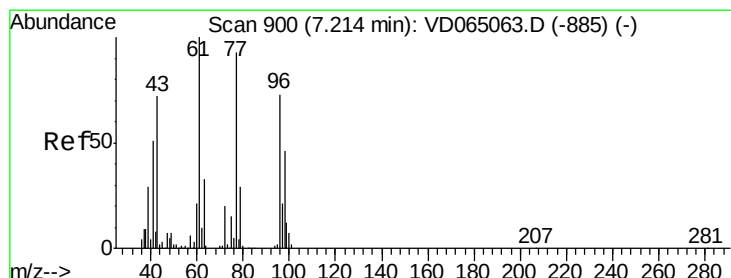
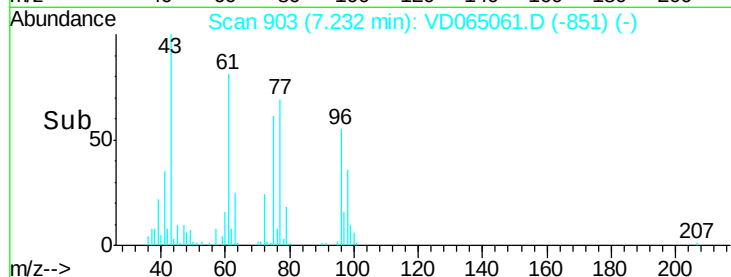
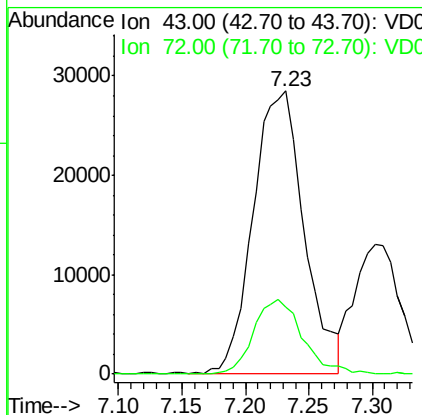
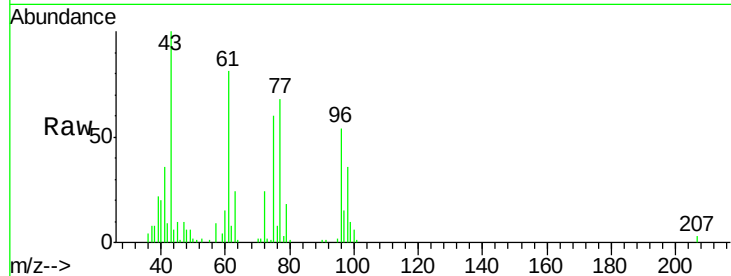
72 23.6 19.9 29.9

Manual Integrations

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MMDadoda

2/6/2020 10:37:07 AM



#26

2,2-Dichloropropane

Concen: 9.838 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065061.D

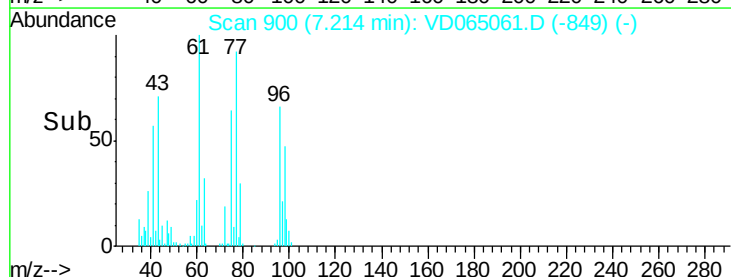
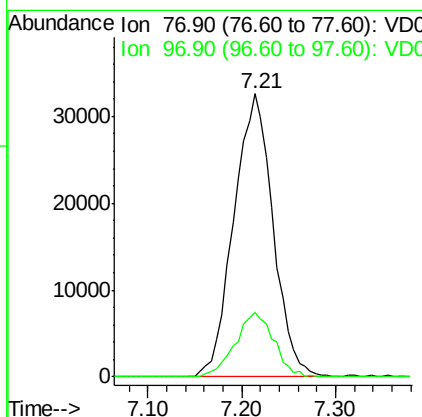
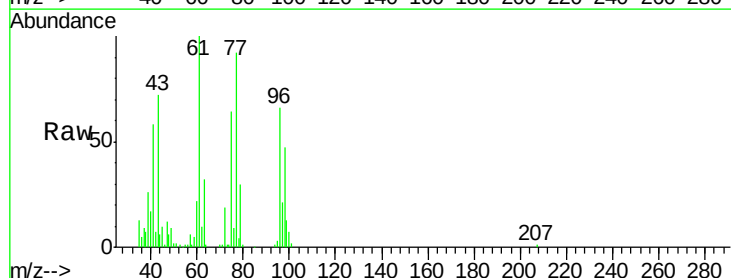
Acq: 05 Feb 2020 12:31

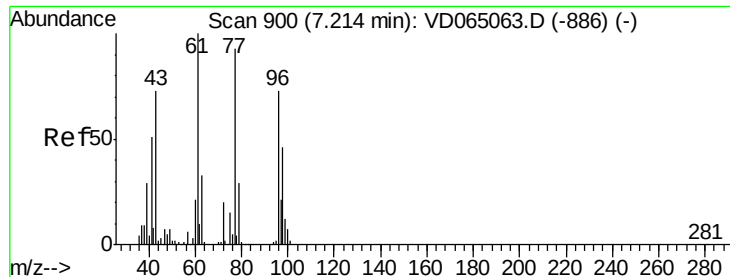
Tgt Ion: 77 Resp: 94221

Ion Ratio Lower Upper

77 100

97 22.4 10.9 32.6





#27

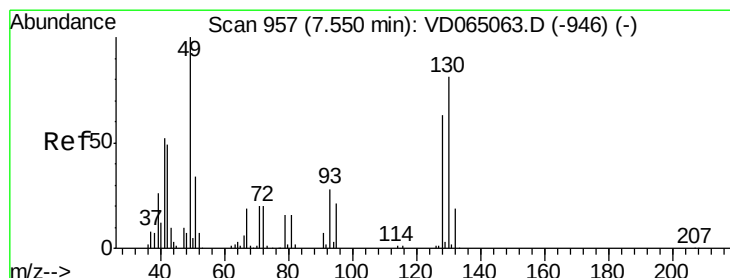
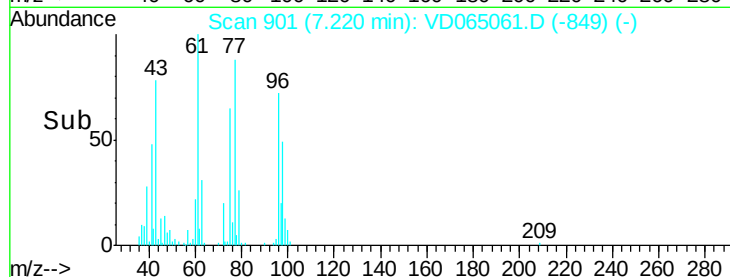
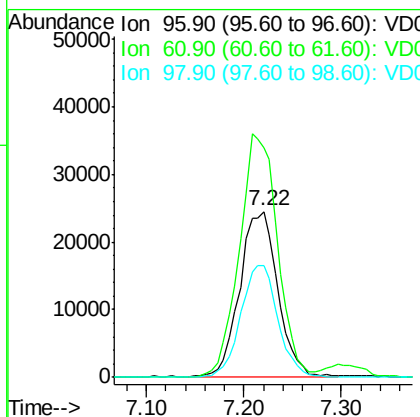
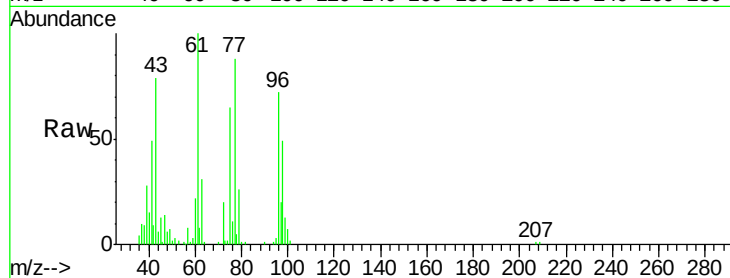
cis-1,2-Dichloroethene
Concen: 10.100 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	292.8
98	65.5	0.0	128.8

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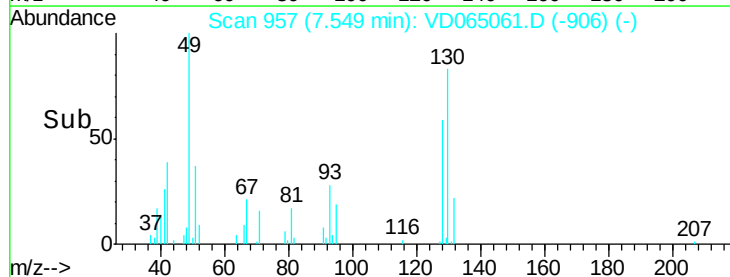
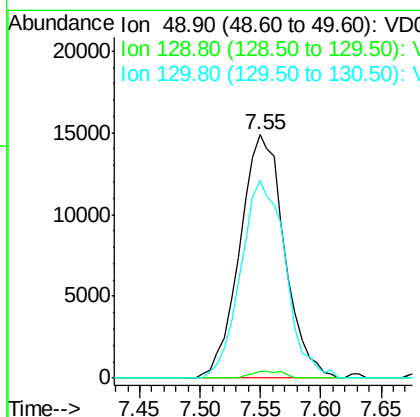
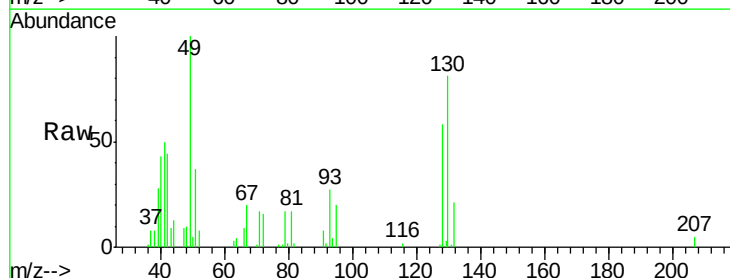
MMDadoda
2/6/2020 10:37:07 AM

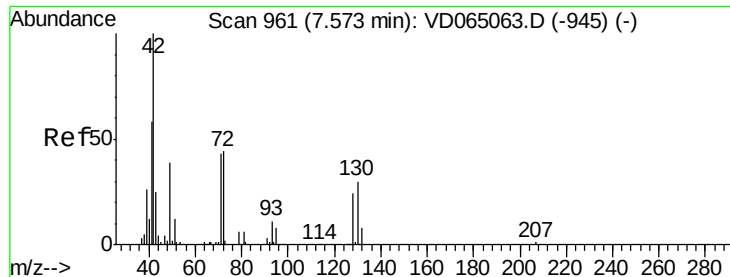


#28

Bromochloromethane
Concen: 9.462 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	81.5	63.8	95.8





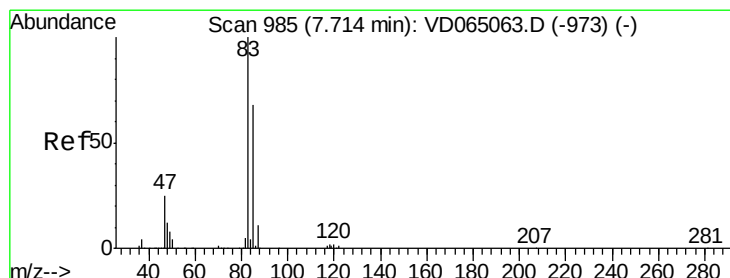
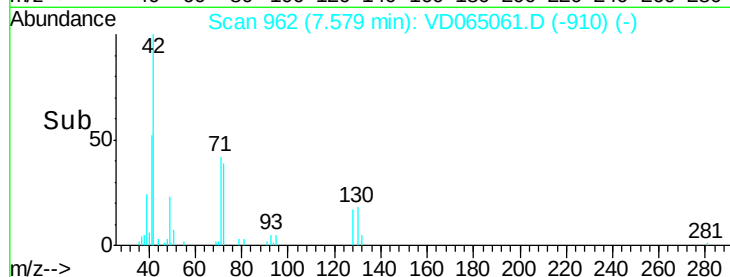
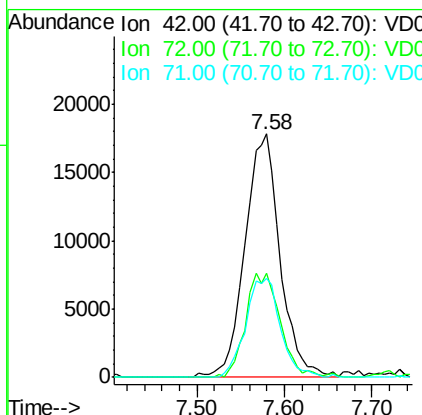
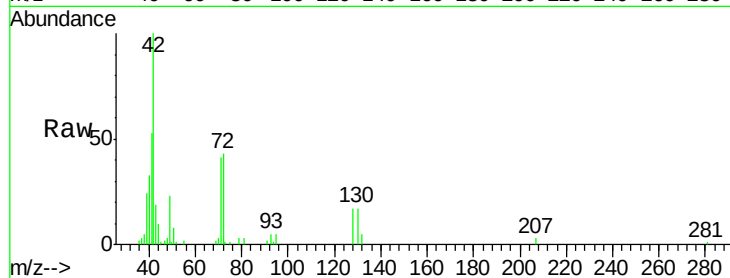
#29
Tetrahydrofuran
Concen: 49.705 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.2	51.4
71	40.1	31.8	47.6

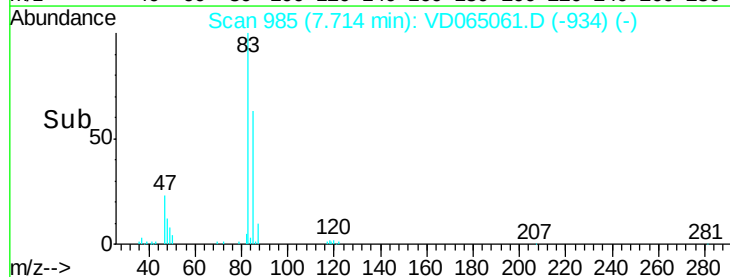
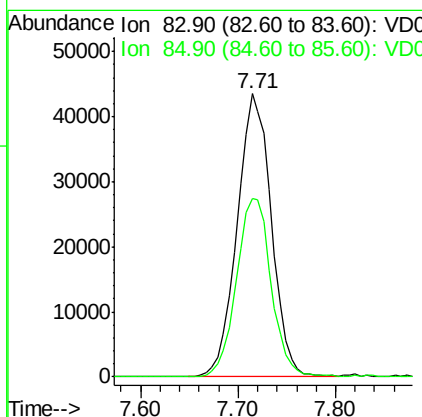
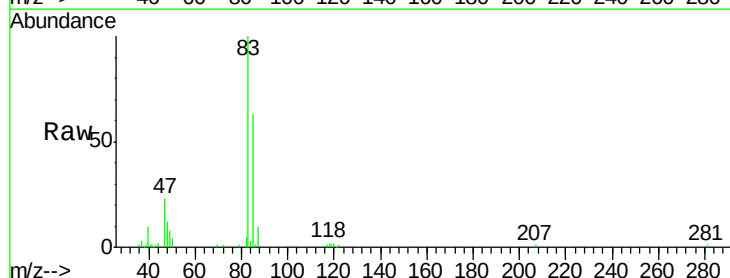
Manual Integrations
APPROVED

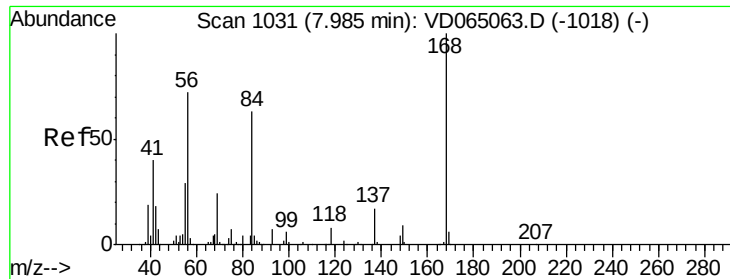
MMDadoda
2/6/2020 10:37:07 AM



#30
Chloroform
Concen: 9.880 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	54.2	81.4





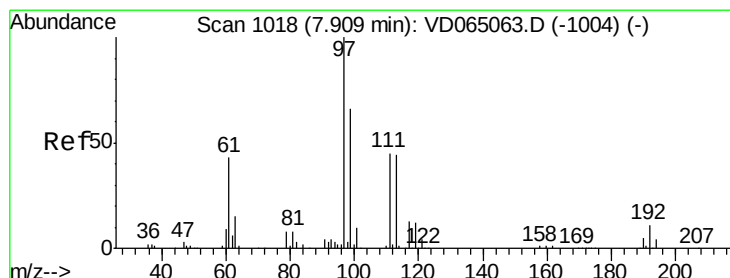
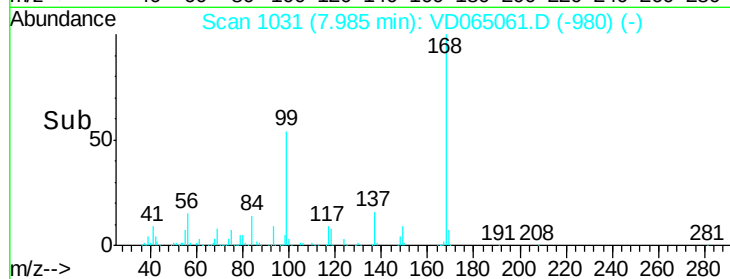
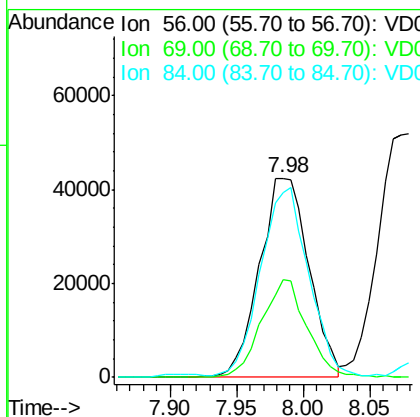
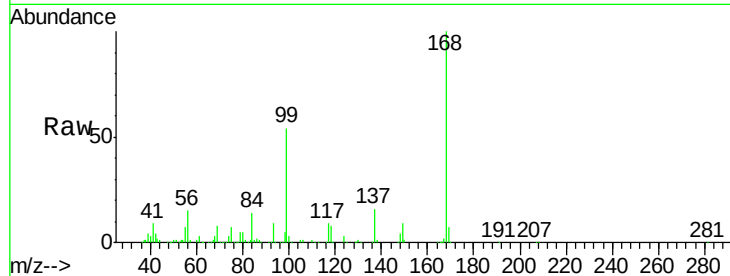
#31
Cyclohexane
Concen: 10.511 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	48.9	26.6	40.0#
84	91.6	70.6	106.0

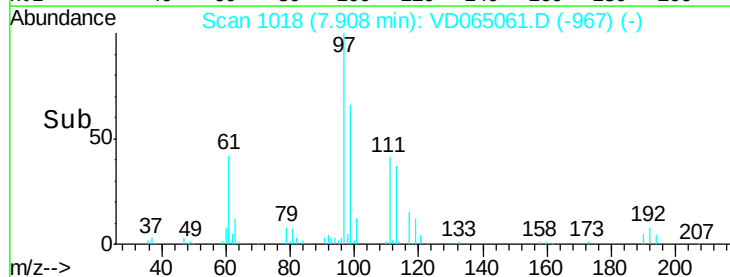
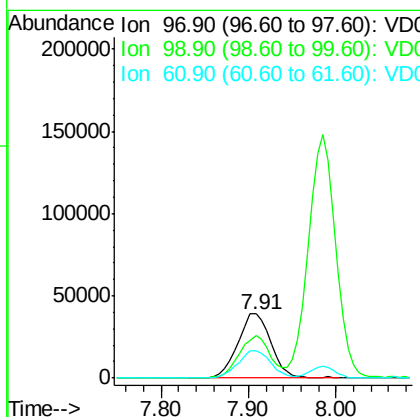
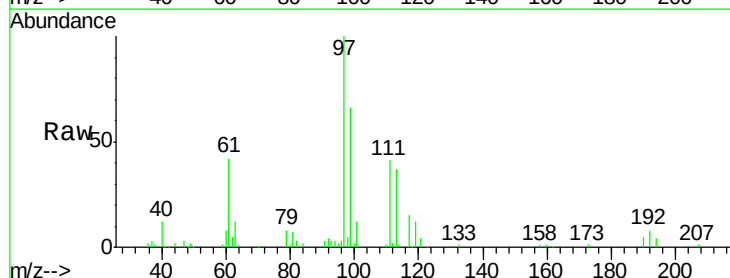
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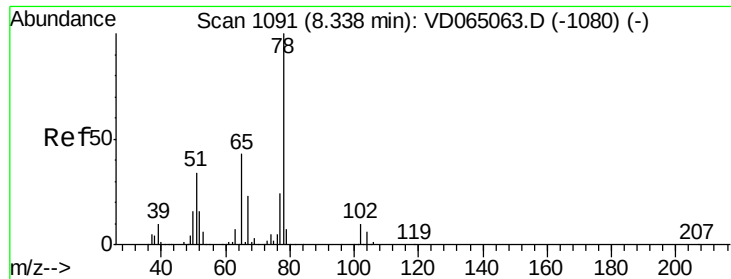
MMDadoda
2/6/2020 10:37:07 AM



#32
1,1,1-Trichloroethane
Concen: 9.959 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.5	77.3
61	42.5	34.8	52.2





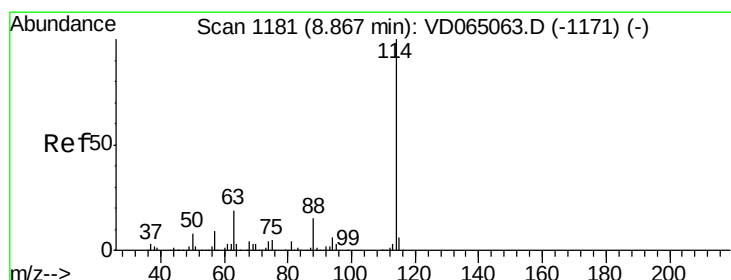
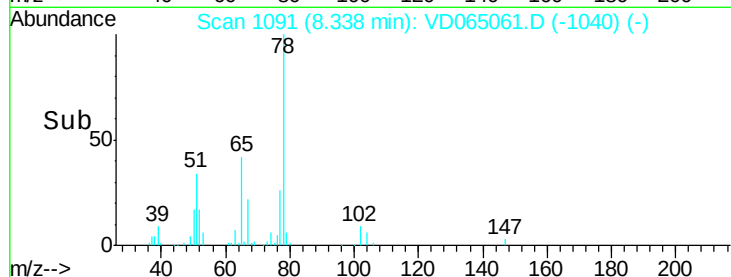
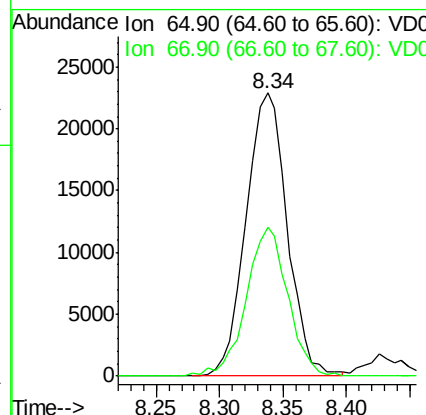
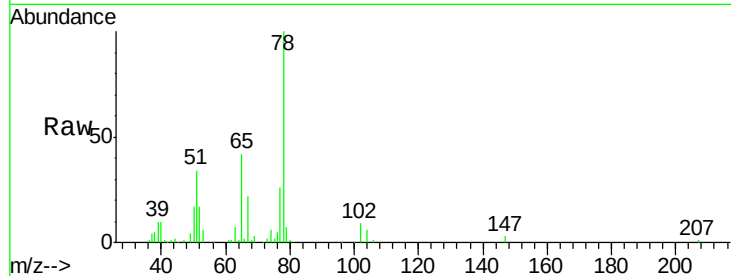
#33
 1,2-Dichloroethane-d4
 Concen: 8.919 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.8

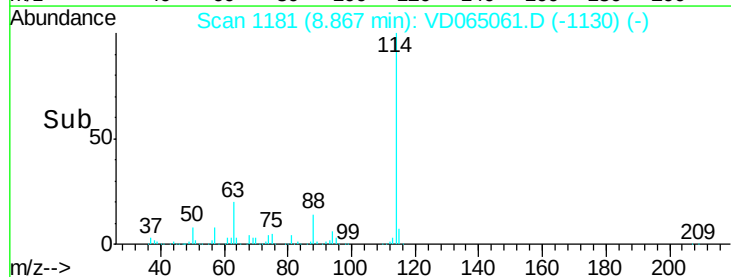
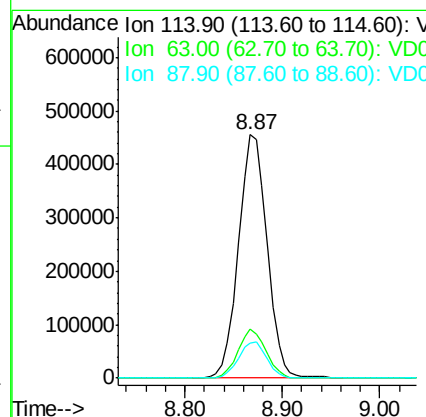
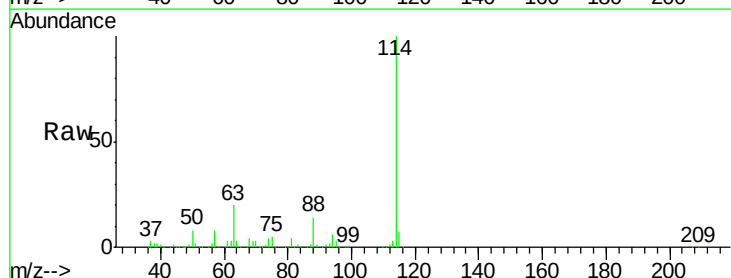
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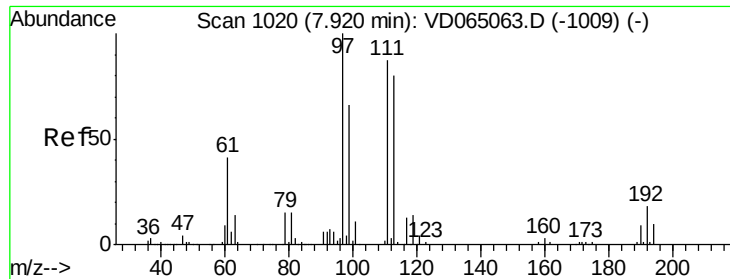
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	38.8
88	14.2	0.0	29.6





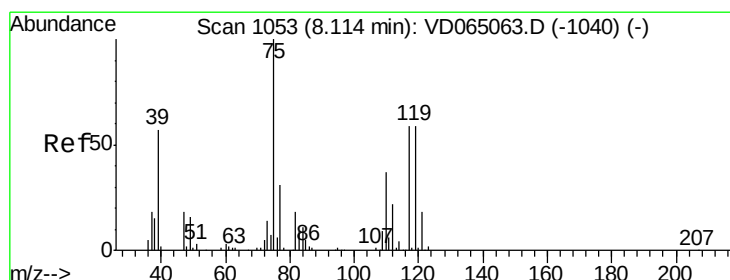
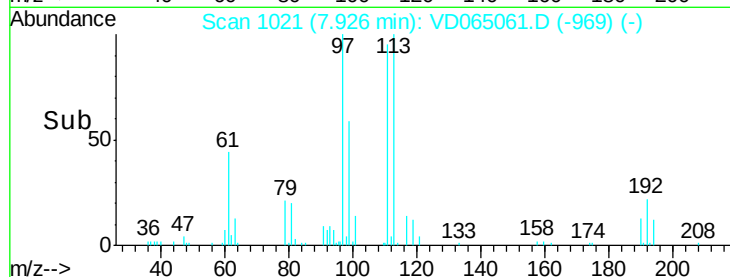
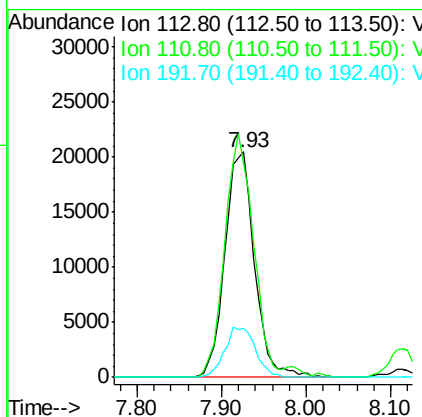
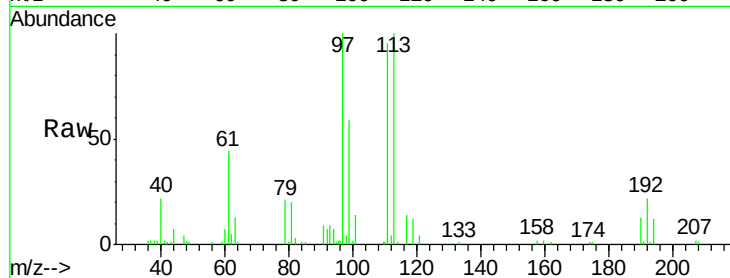
#35
 Dibromofluoromethane
 Concen: 8.680 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
113	100	49611		
111	103.9		83.1	124.7
192	23.0		18.1	27.1

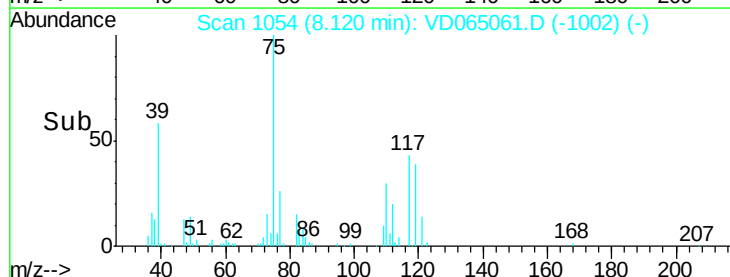
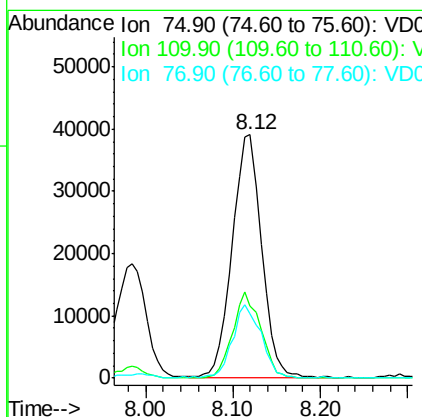
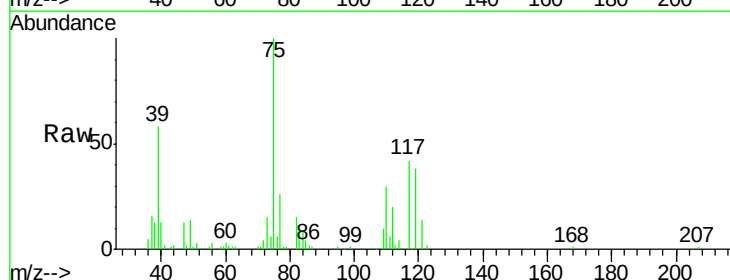
Manual Integrations
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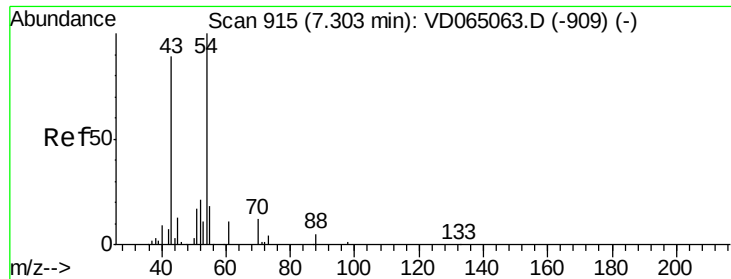
MMDadoda
 2/6/2020 10:37:07 AM



#36
 1,1-Dichloropropene
 Concen: 10.022 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89377		
110	33.5		18.1	54.3
77	29.4		24.7	37.1





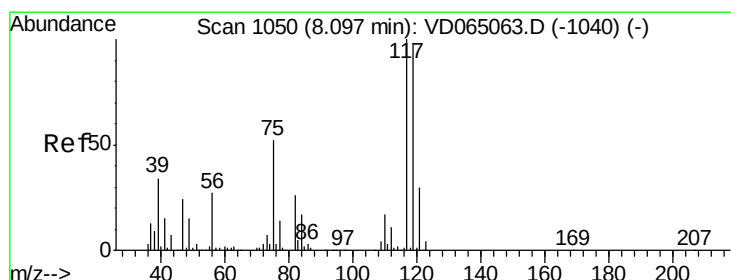
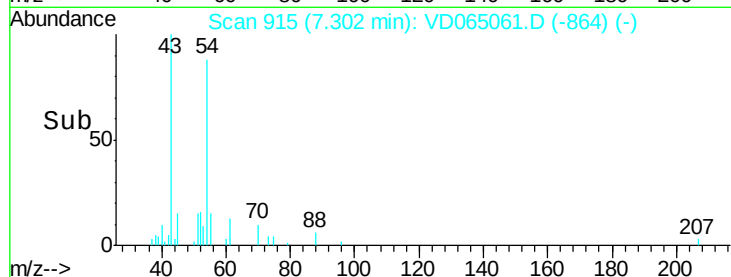
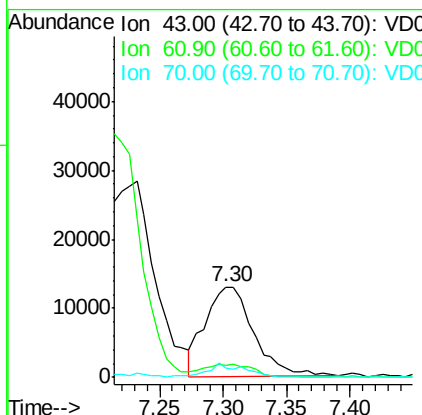
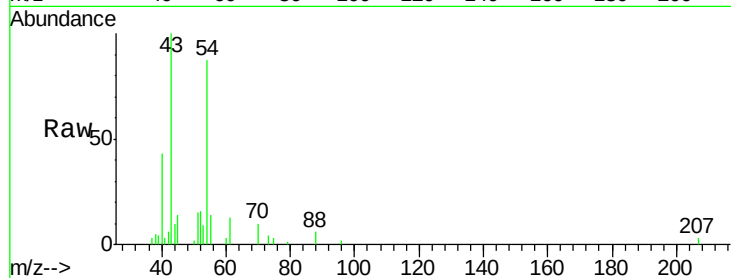
#37
Ethyl Acetate
Concen: 9.330 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.0	16.4
70	11.6	8.2	12.2

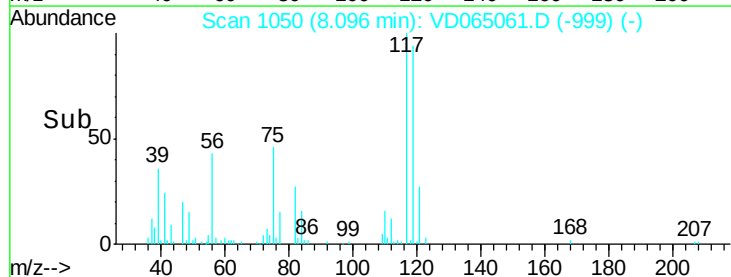
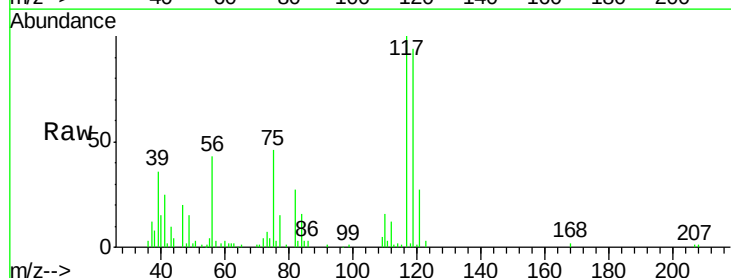
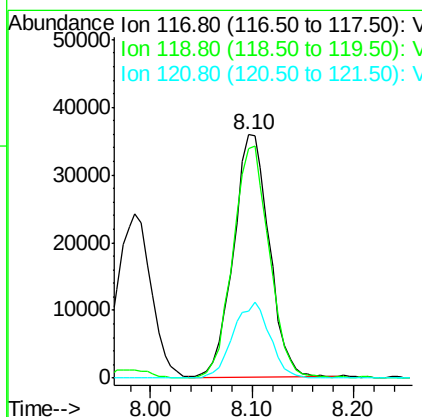
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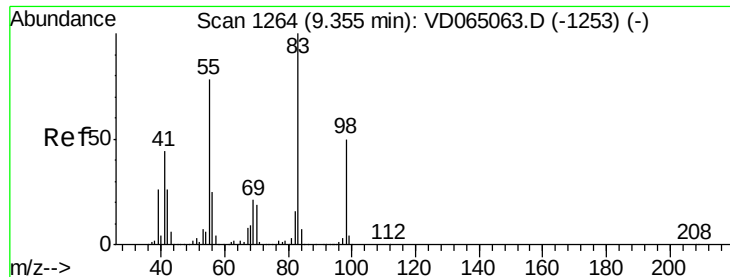
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#38
Carbon Tetrachloride
Concen: 9.344 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.5	117.7
121	27.6	23.8	35.6





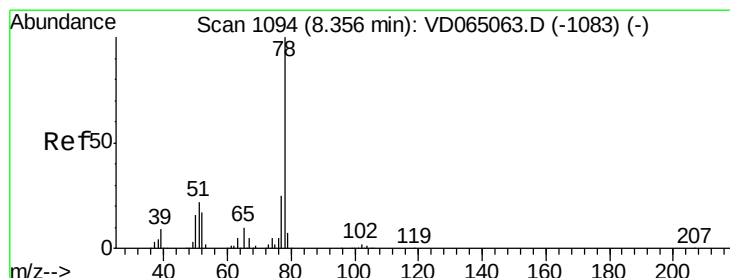
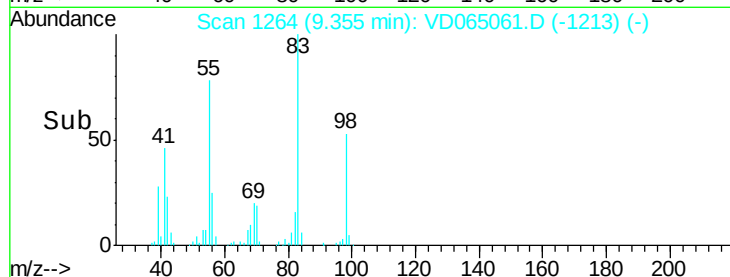
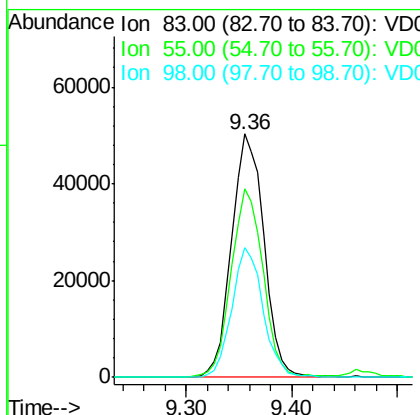
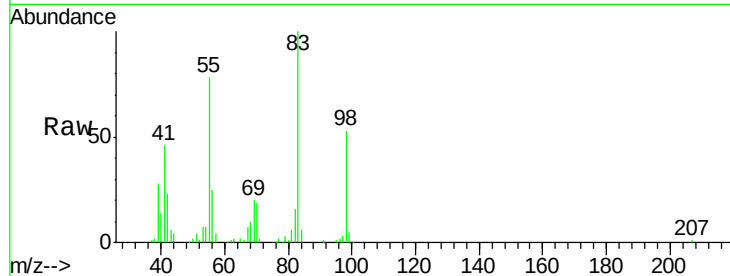
#39
Methylvlcyclohexane
Concen: 10.151 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	106734
Ion Ratio	Lower	Upper	
83	100		
55	77.7	62.0	93.0
98	53.3	39.9	59.9

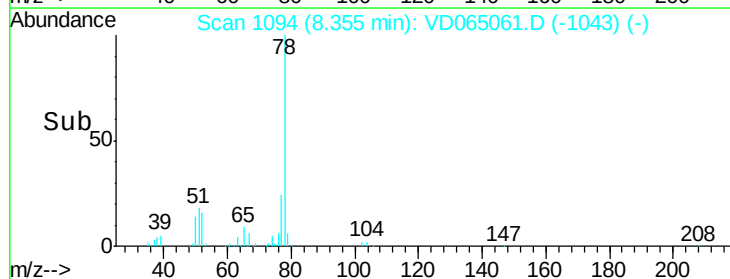
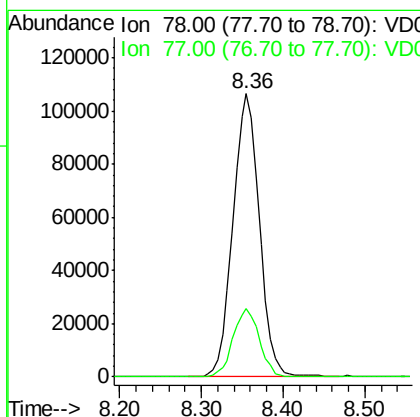
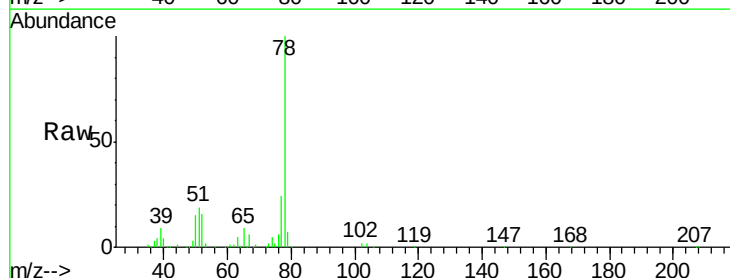
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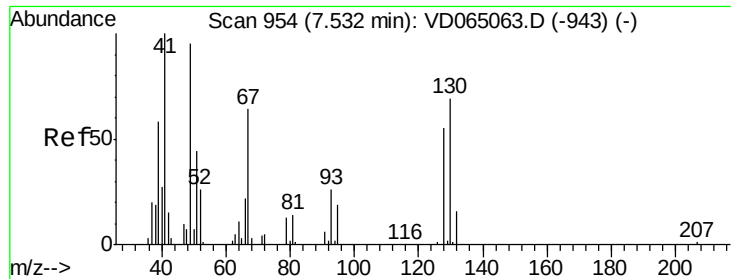
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#40
Benzene
Concen: 9.766 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	78	Resp	239640
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.6	29.4





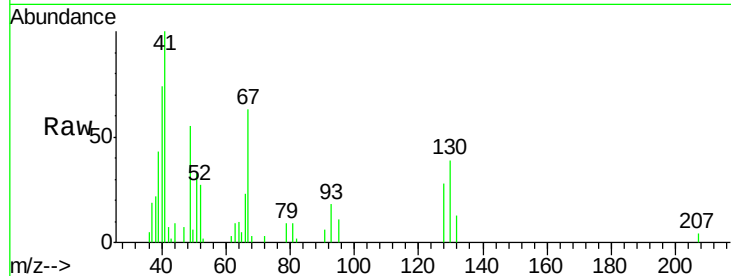
#41
Methacrylonitrile
Concen: 11.026 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

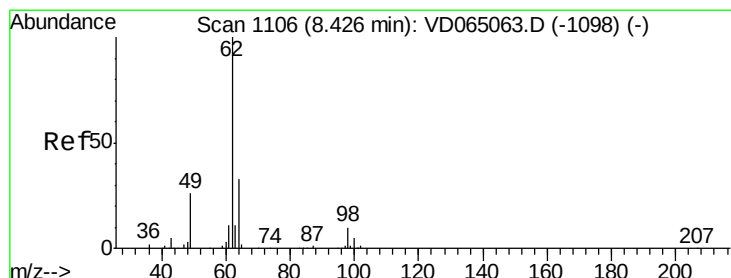
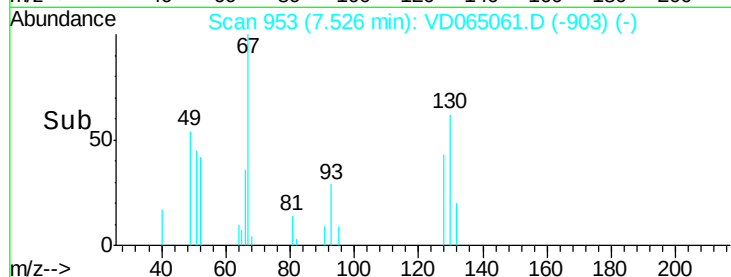
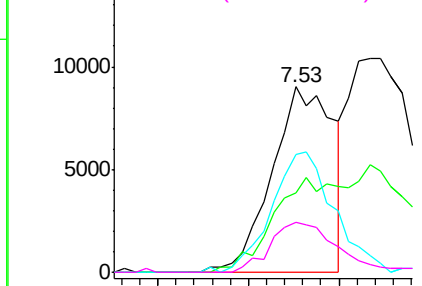
Tot Ion	41	Resp	21302
Ion	Ratio	Lower	Upper
41	100		
39	52.1	55.4	83.0#
67	65.7	59.0	88.6
52	29.6	25.4	38.0

Manual Integrations
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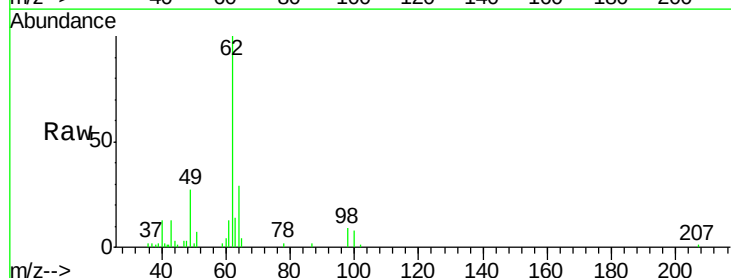


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

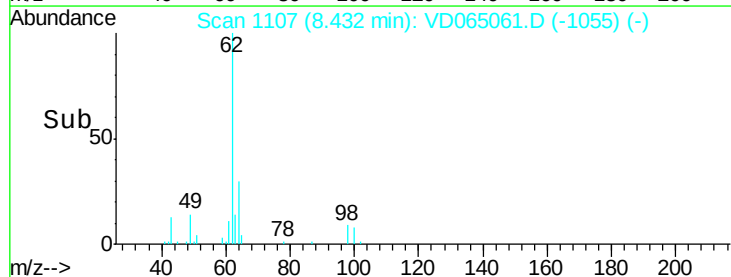
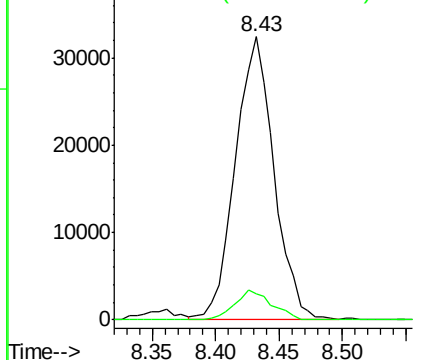


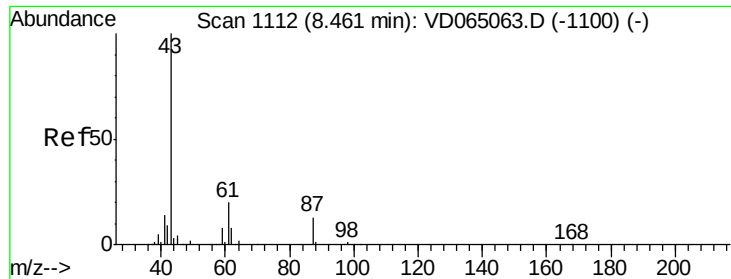
#42
1,2-Dichloroethane
Concen: 9.458 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	62	Resp	68612
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.6



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





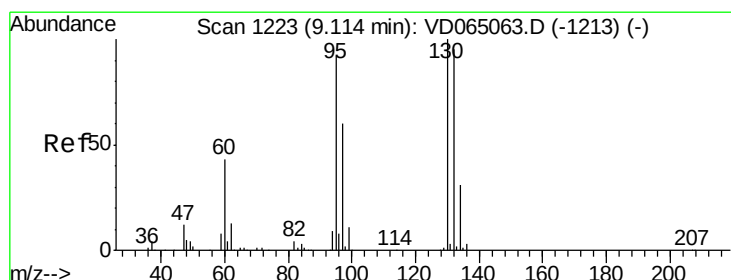
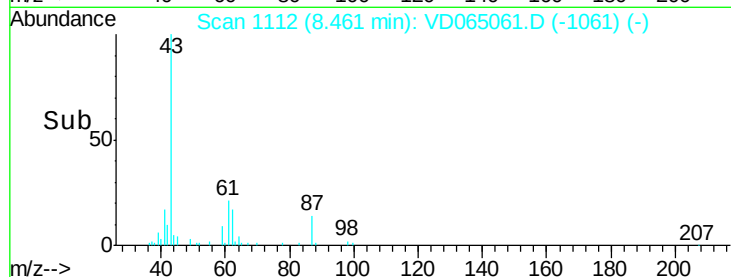
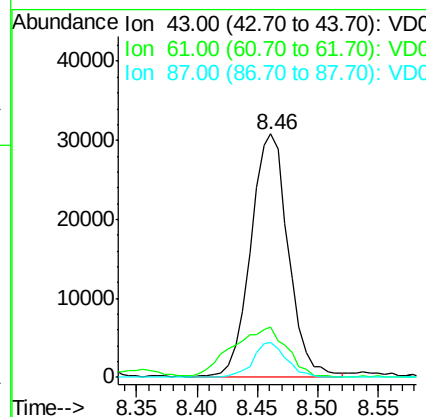
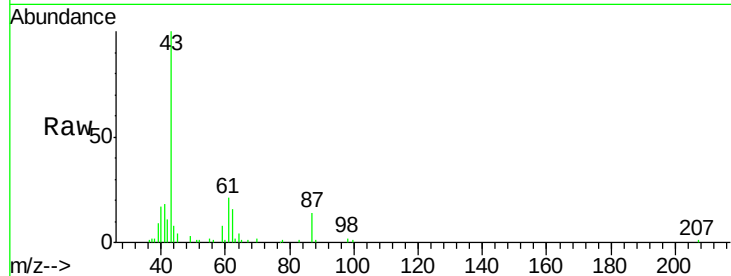
#43
Isopropyl Acetate
Concen: 9.638 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	24.0	36.0
87	12.6	10.2	15.4

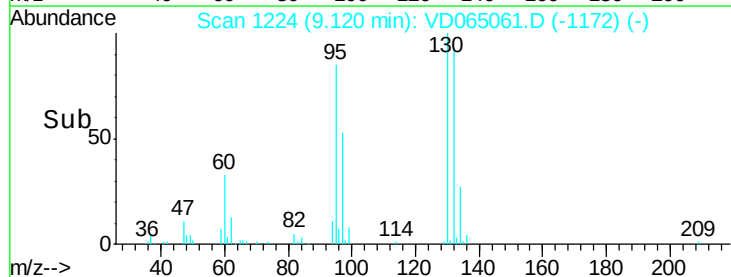
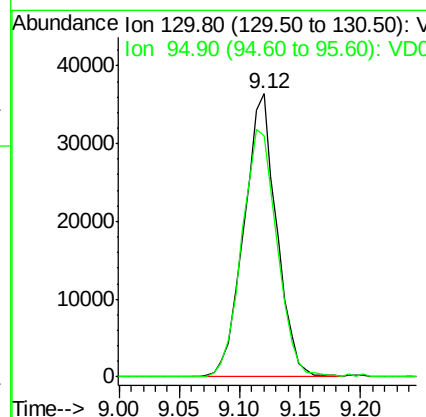
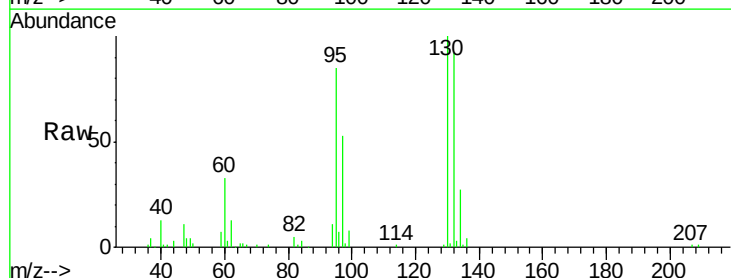
Manual Integrations
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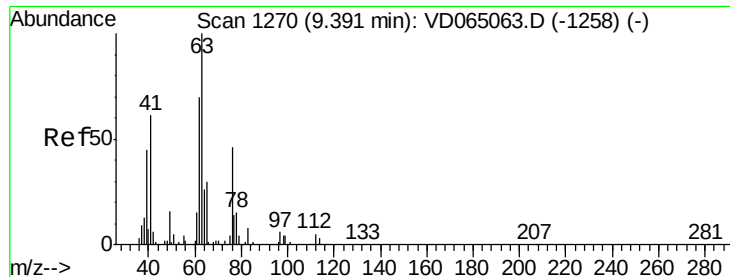
MMDadoda
2/6/2020 10:37:07 AM



#44
Trichloroethene
Concen: 9.975 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.1	0.0	185.0





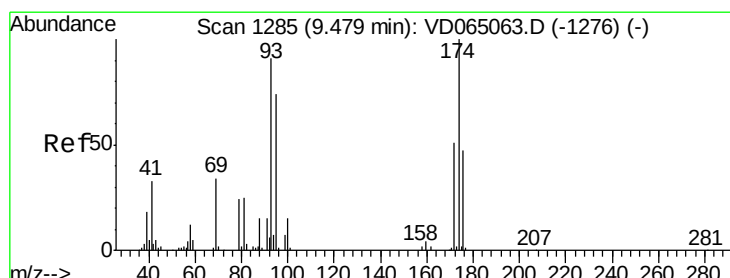
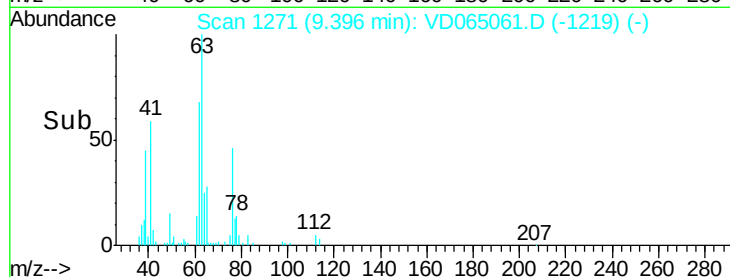
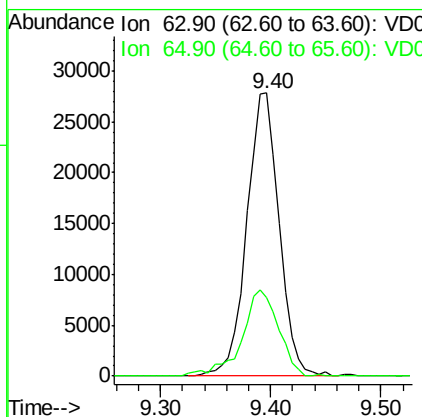
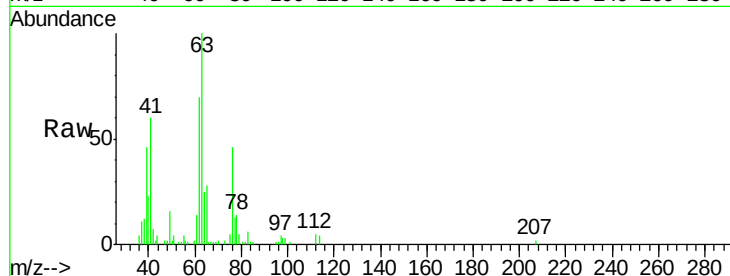
#45
 1,2-Dichloropropane
 Concen: 9.606 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.7	23.9	35.9

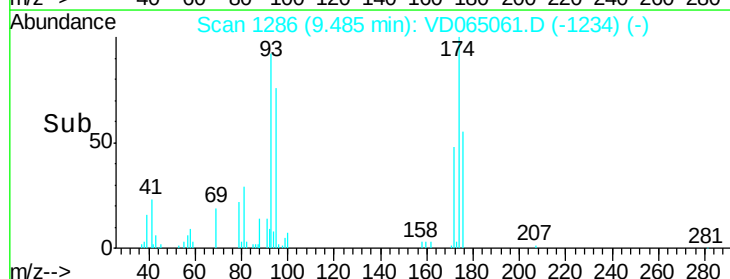
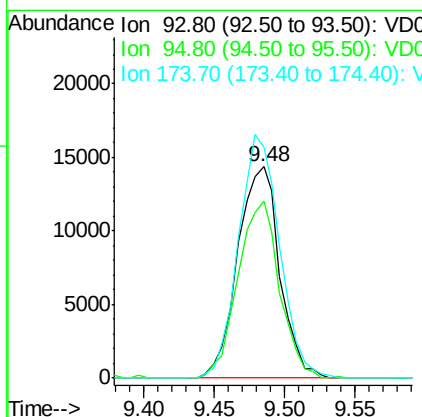
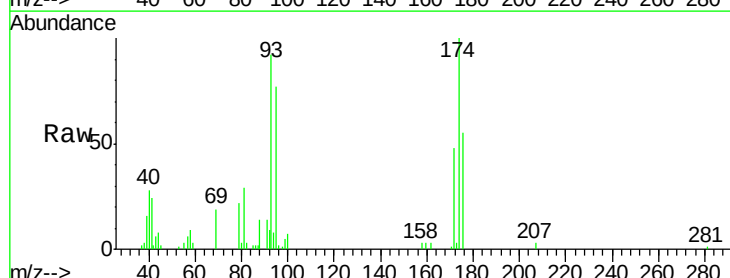
Manual Integrations
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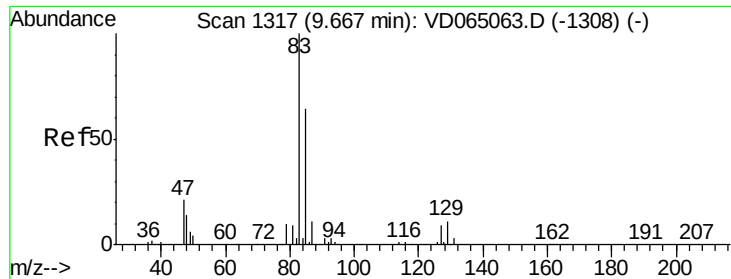
MMDadoda
 2/6/2020 10:37:07 AM



#46
 Dibromomethane
 Concen: 9.276 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.5	99.7
174	112.7	89.8	134.8





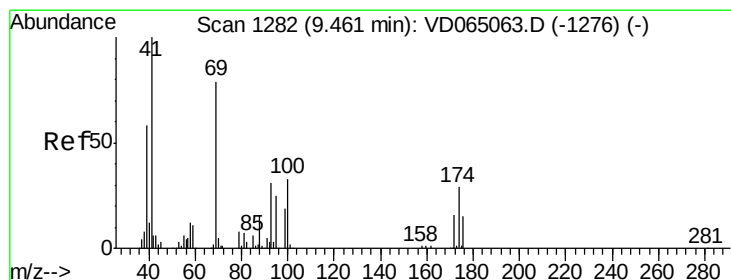
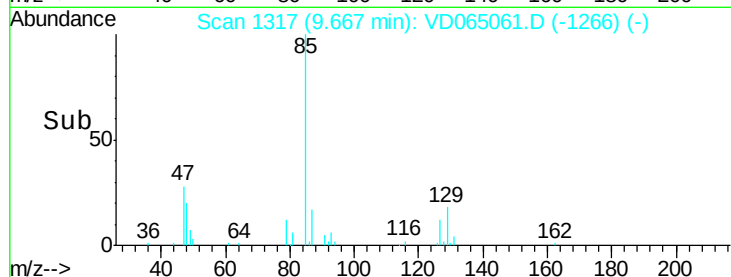
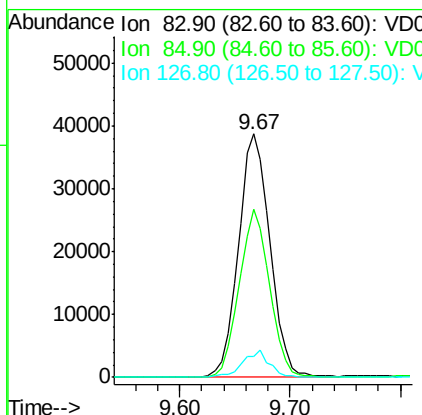
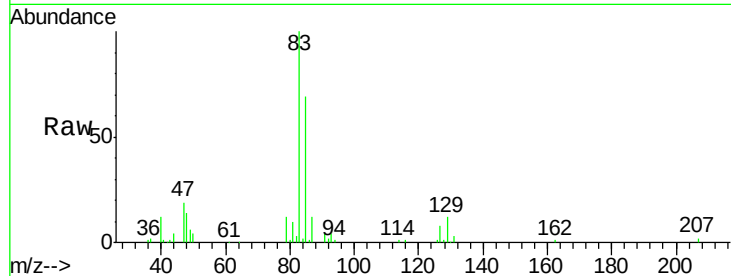
#47
Bromodichloromethane
Concen: 9.260 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	77873
Ion Ratio	100	Lower	Upper
83	100		
85	69.0	51.0	76.6
127	8.5	7.3	10.9

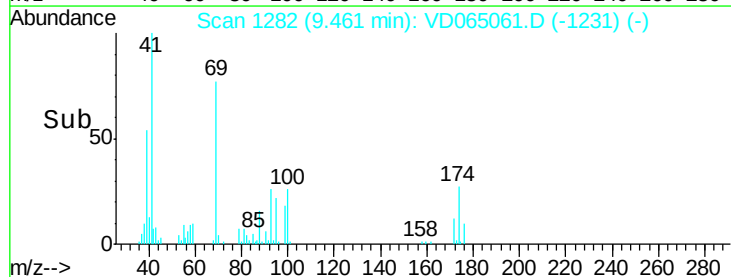
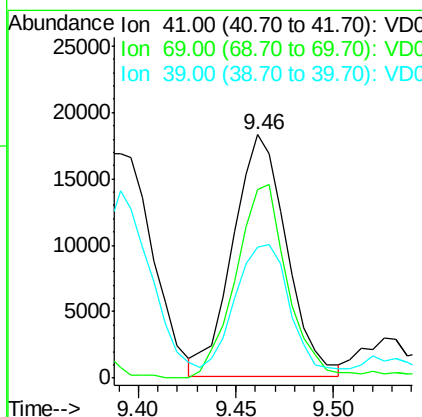
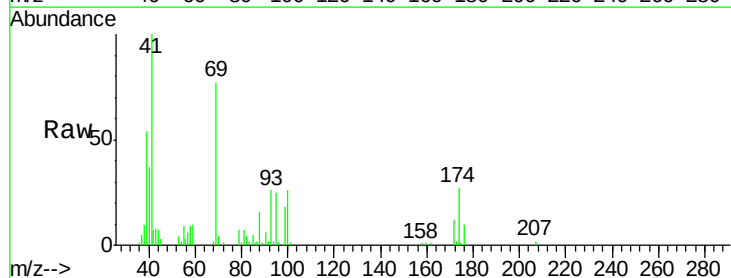
Manual Integrations
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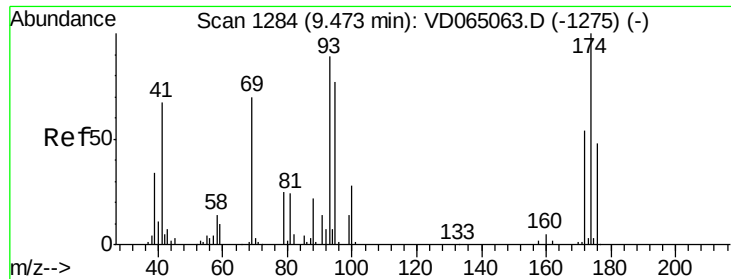
MMDadoda
2/6/2020 10:37:07 AM



#48
Methyl methacrylate
Concen: 10.855 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	41	Resp	34813
Ion Ratio	100	Lower	Upper
41	100		
69	76.7	67.5	101.3
39	51.5	47.0	70.4





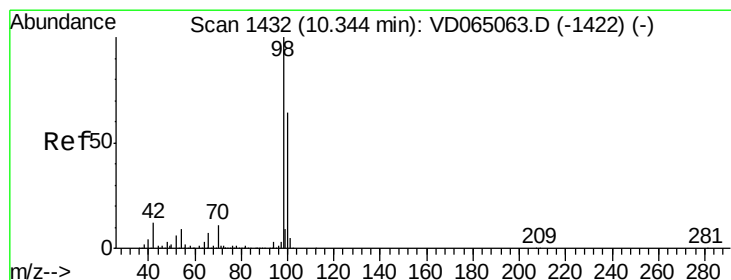
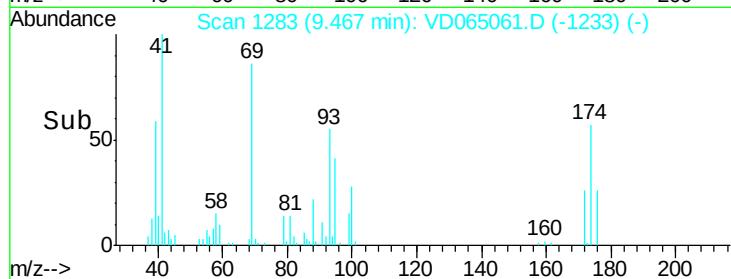
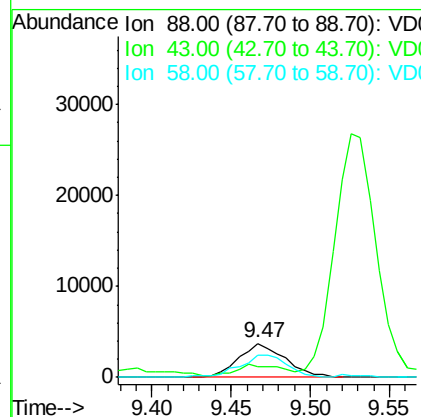
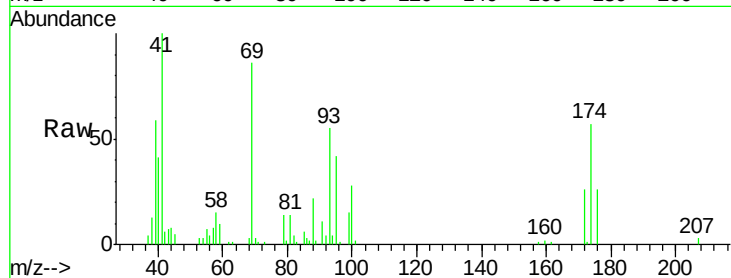
#49
1,4-Dioxane
Concen: 203.951 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.3	27.7	41.5
58	68.3	55.5	83.3

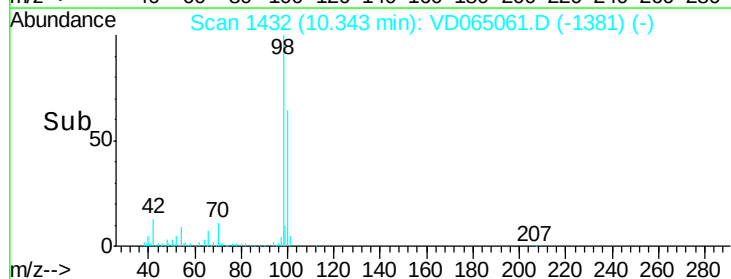
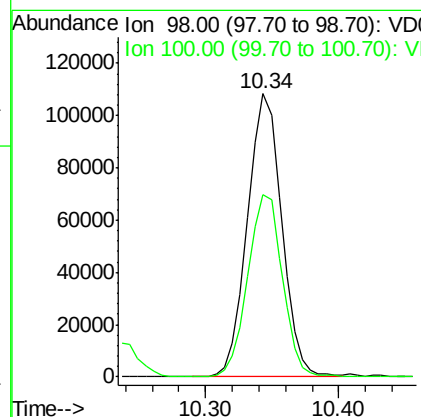
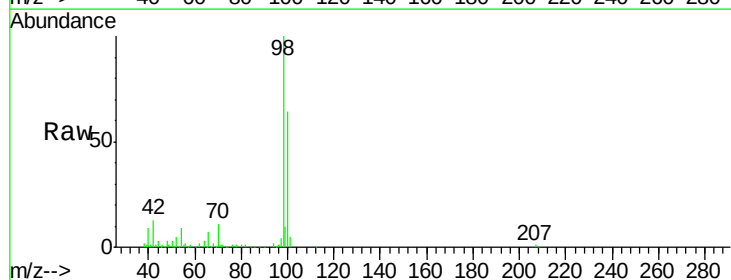
Manual Integrations
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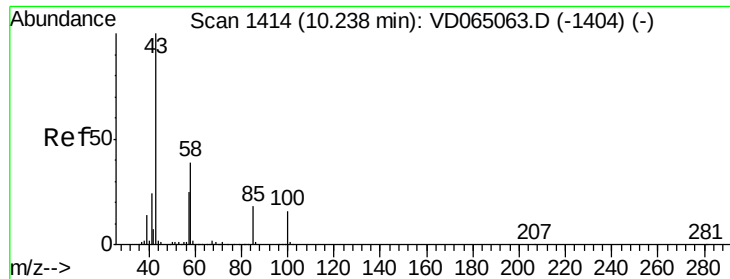
MMDadoda
2/6/2020 10:37:07 AM



#50
Toluene-d8
Concen: 8.701 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1





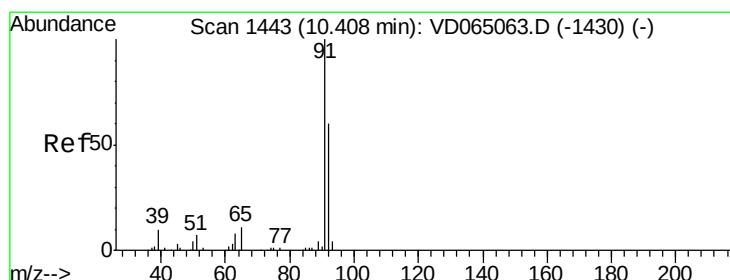
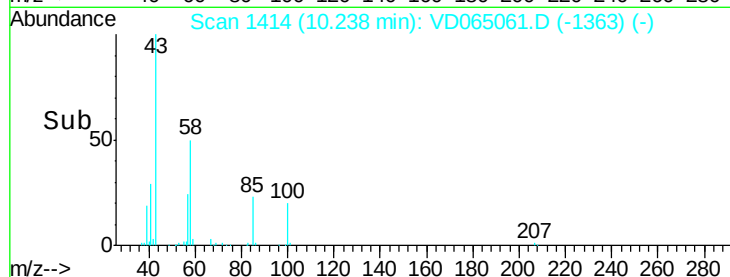
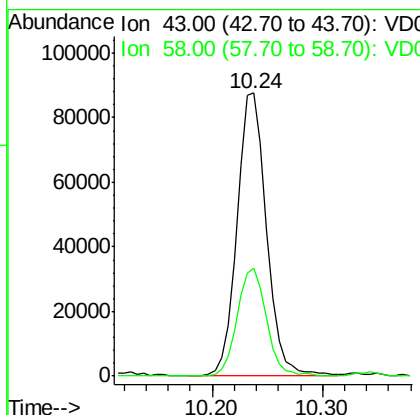
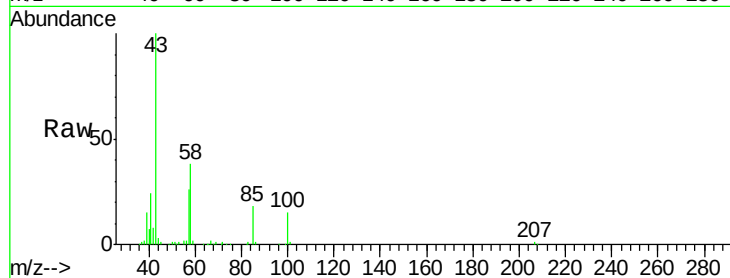
#51
4-Methyl-2-Pentanone
Concen: 46.979 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.2	45.2

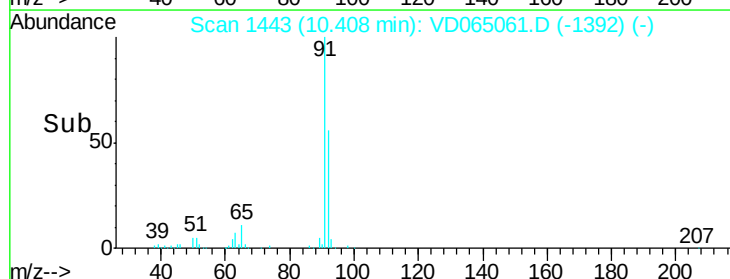
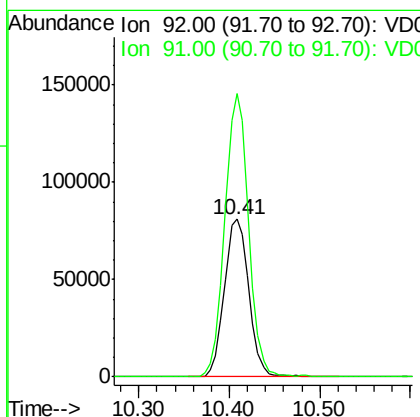
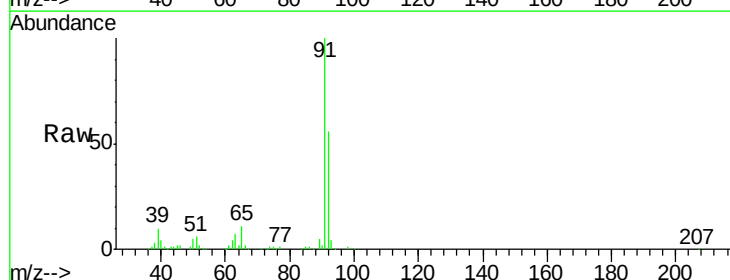
Manual Integrations
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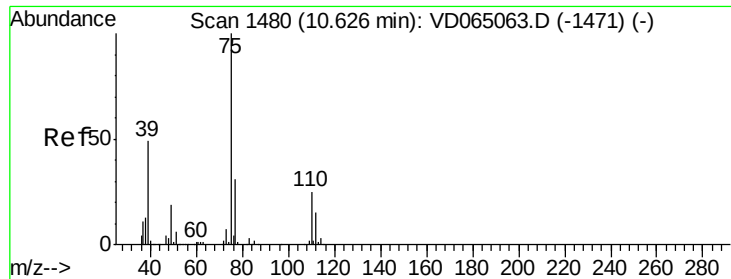
MMDadoda
2/6/2020 10:37:07 AM



#52
Toluene
Concen: 9.581 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.6	135.3	202.9





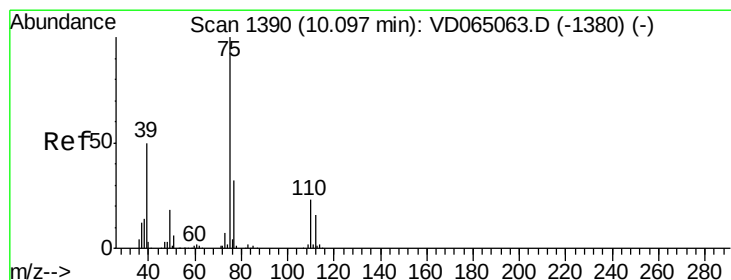
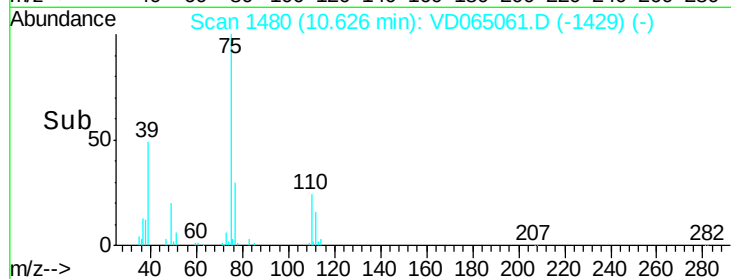
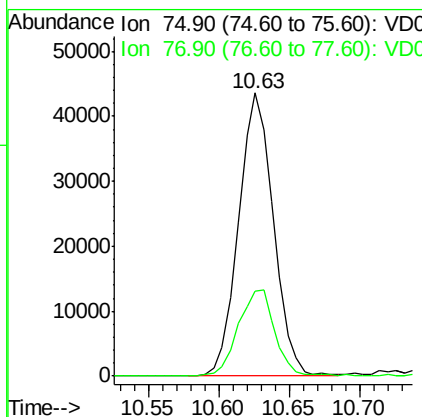
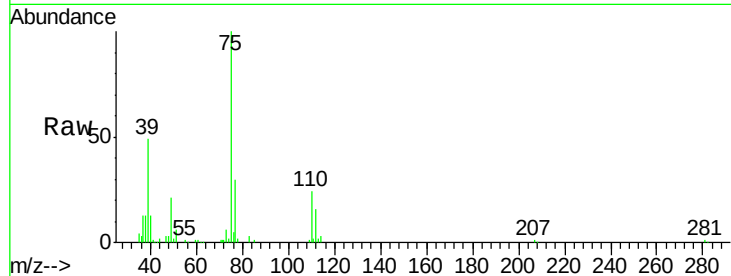
#53
 t-1,3-Dichloropropene
 Concen: 9.420 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 75 Resp: 75489
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.9 37.3

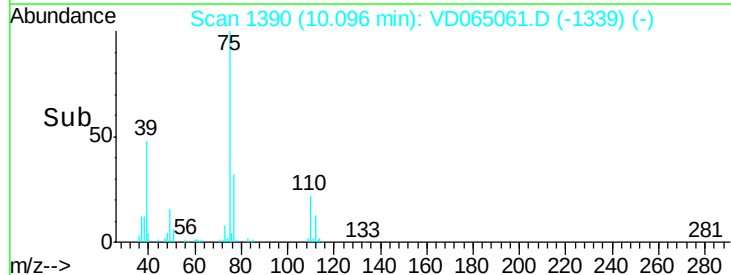
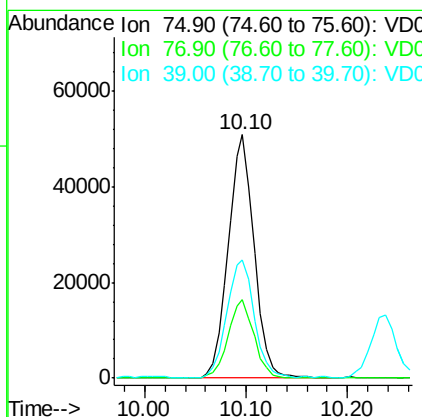
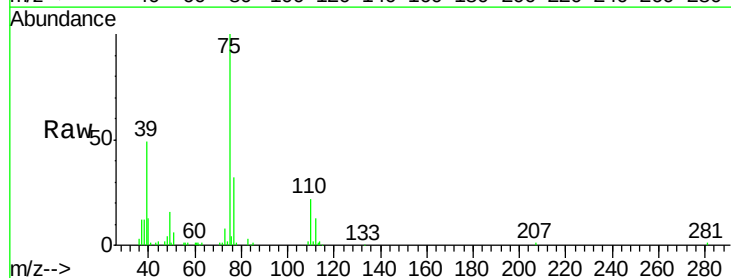
Manual Integrations
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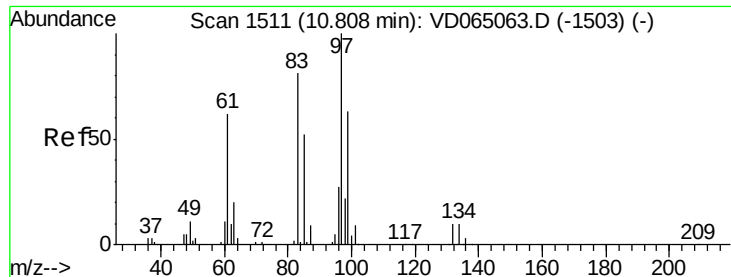
MMDadoda
 2/6/2020 10:37:07 AM



#54
 cis-1,3-Dichloropropene
 Concen: 9.547 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion: 75 Resp: 89948
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.3 37.9
 39 48.6 40.3 60.5





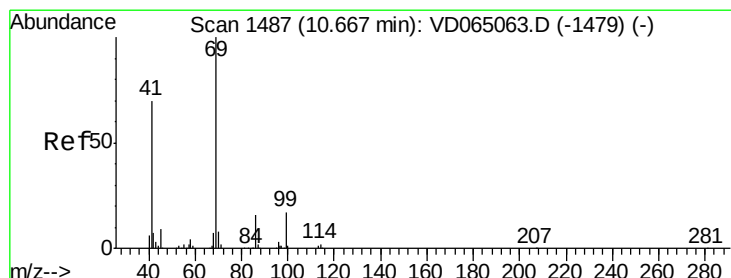
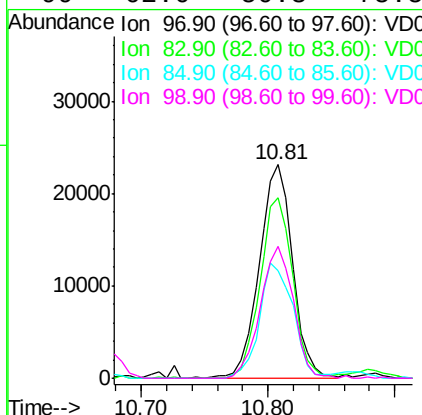
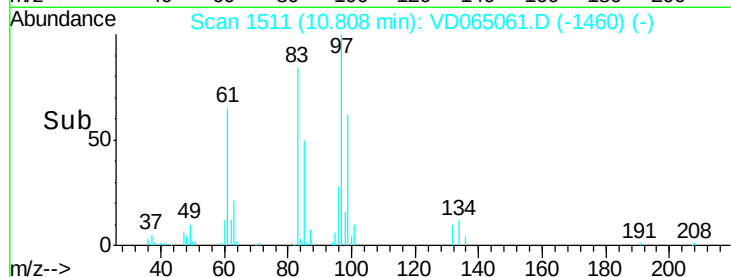
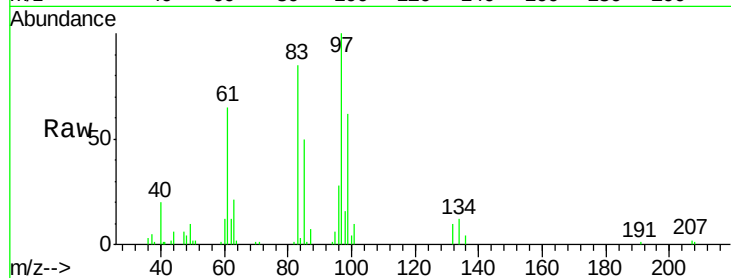
#55
 1,1,2-Trichloroethane
 Concen: 9.733 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	42307
Ion	Ratio	Lower	Upper
97	100		
83	84.5	64.8	97.2
85	50.4	41.2	61.8
99	62.0	50.3	75.5

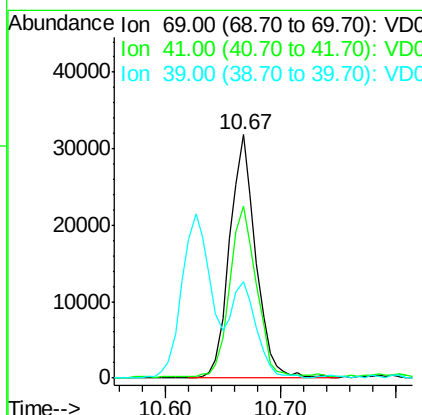
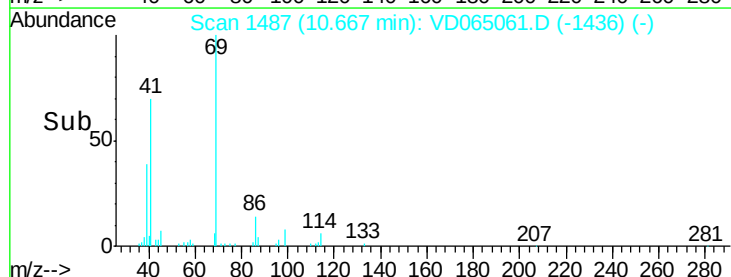
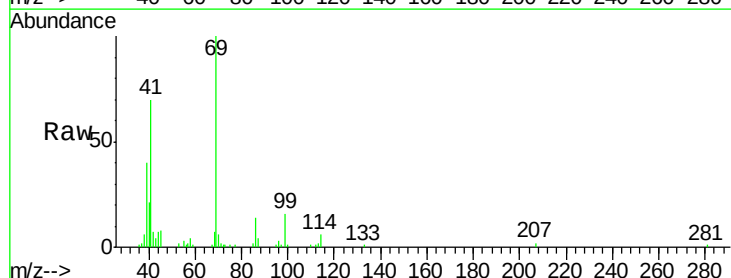
Manual Integrations
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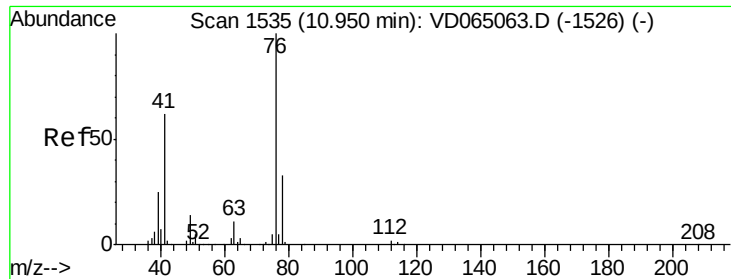
MMDadoda
 2/6/2020 10:37:07 AM



#56
 Ethyl methacrylate
 Concen: 9.564 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion:	69	Resp:	49887
Ion	Ratio	Lower	Upper
69	100		
41	70.9	55.9	83.9
39	39.0	29.4	44.0





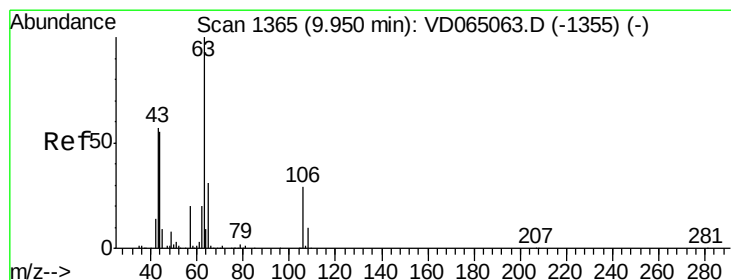
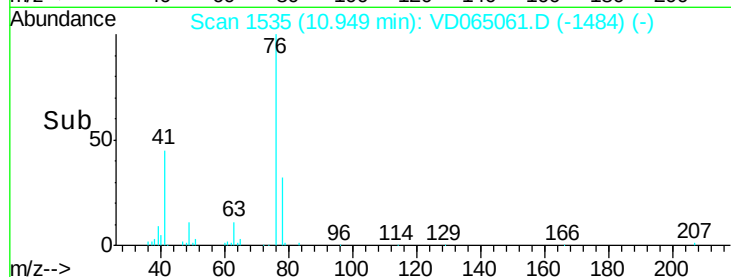
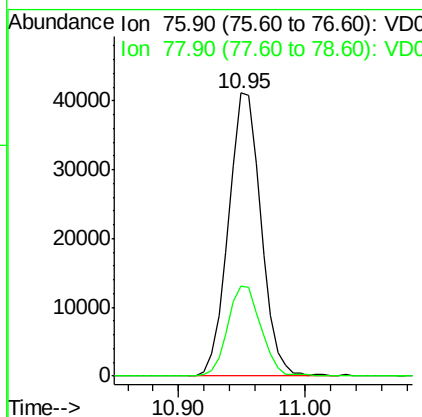
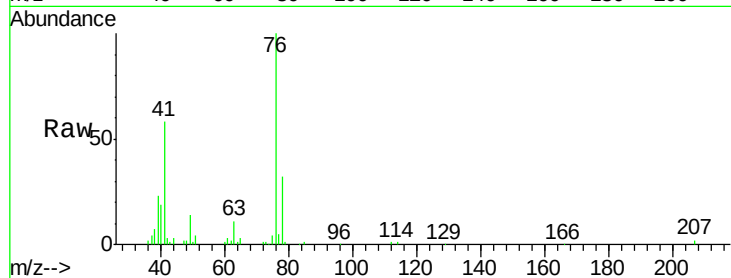
#57
 1,3-Dichloropropane
 Concen: 9.764 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

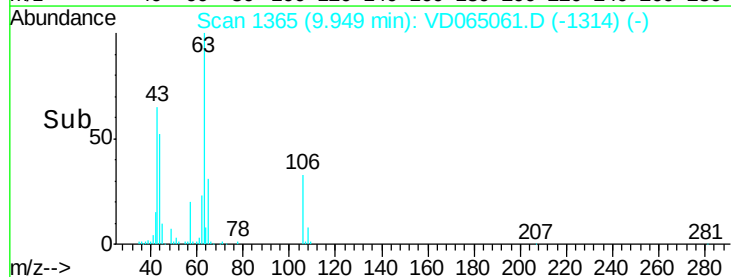
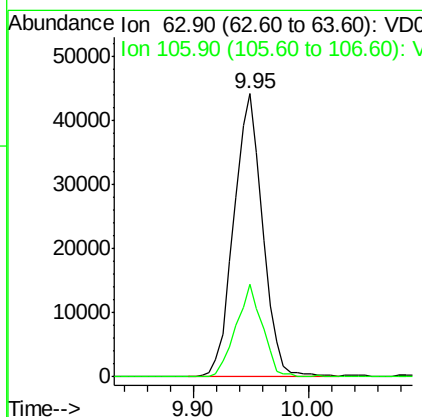
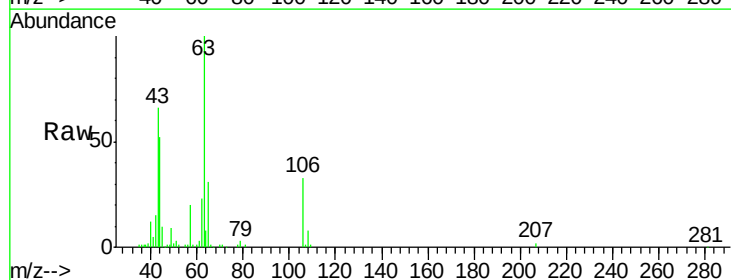
Manual Integrations
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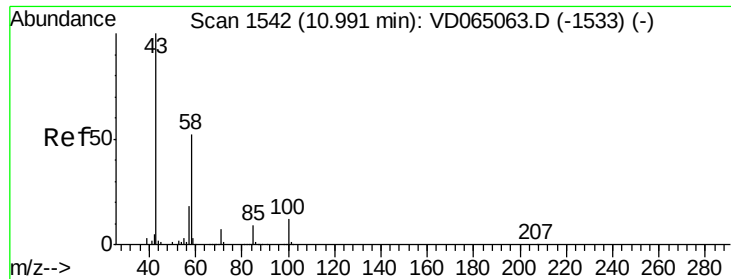
MMDadoda
 2/6/2020 10:37:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 42.126 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	23.3	34.9





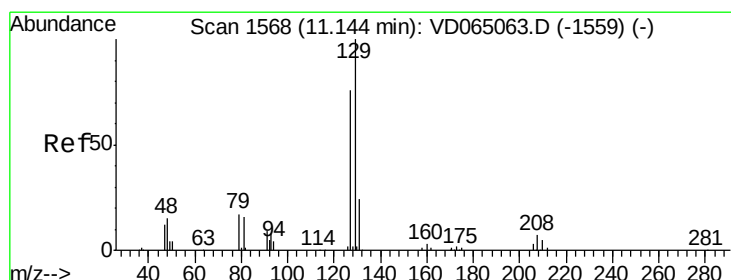
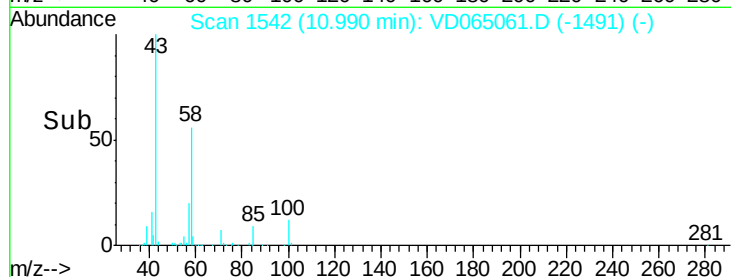
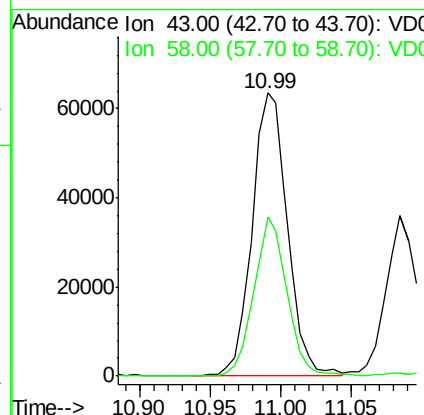
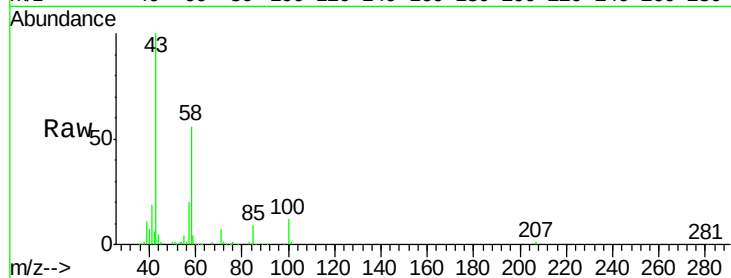
#59
2-Hexanone
Concen: 46.500 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 111537
Ion Ratio Lower Upper
43 100
58 52.5 26.2 78.6

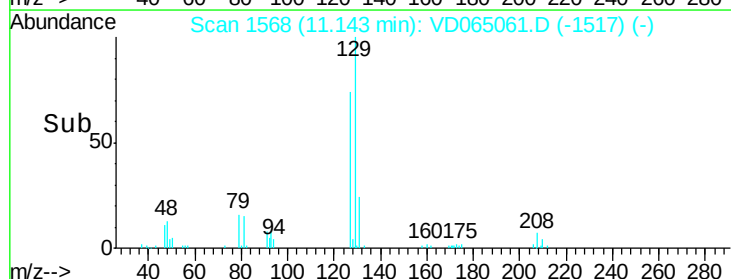
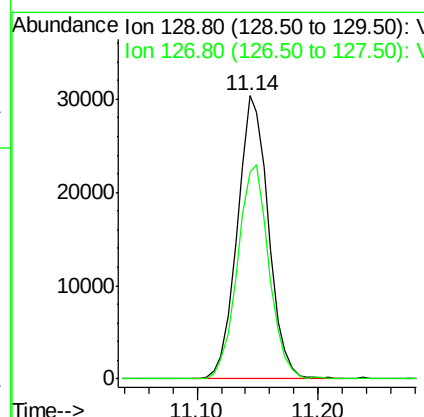
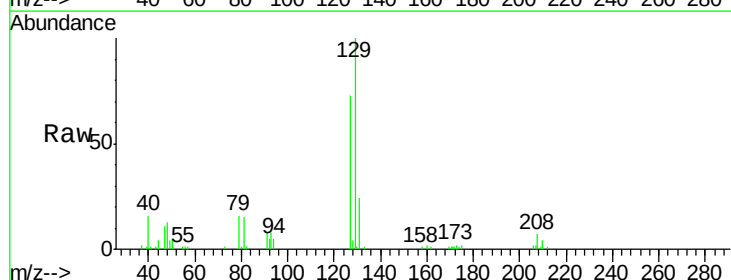
Manual Integrations
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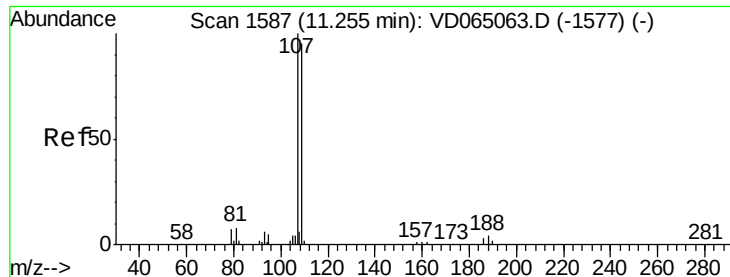
MMDadoda
2/6/2020 10:37:07 AM



#60
Dibromochloromethane
Concen: 9.397 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion: 129 Resp: 54427
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.9





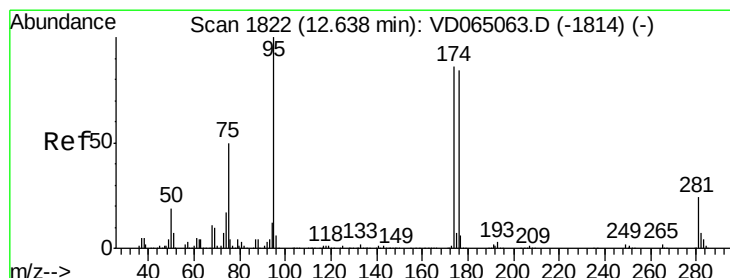
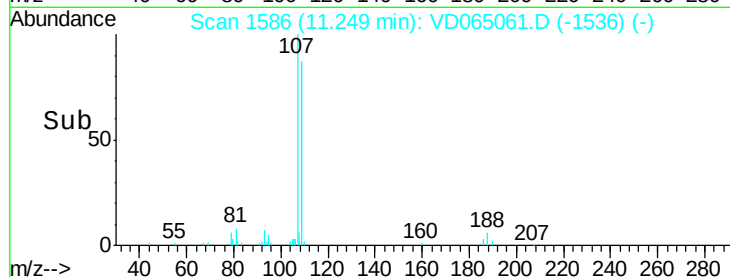
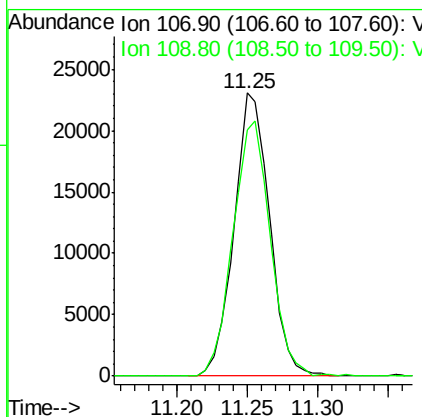
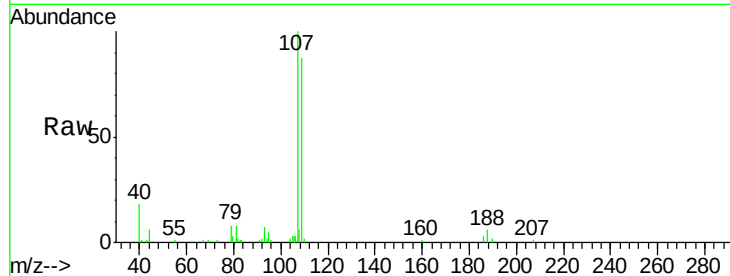
#61
 1,2-Dibromoethane
 Concen: 9.658 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.5	113.3

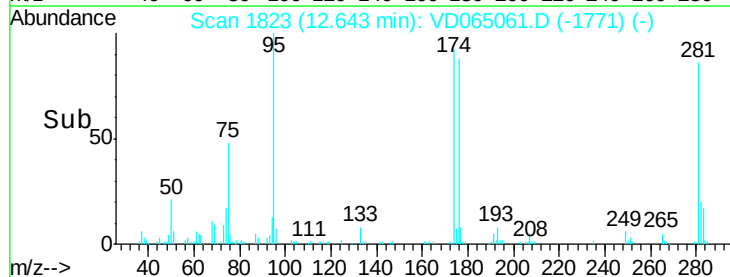
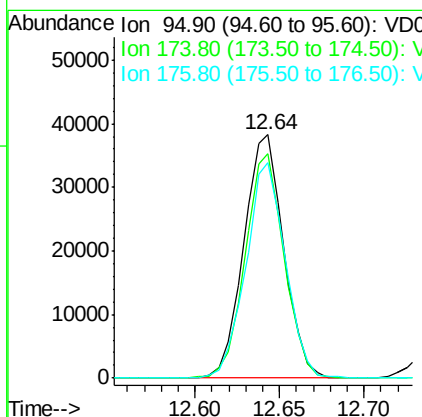
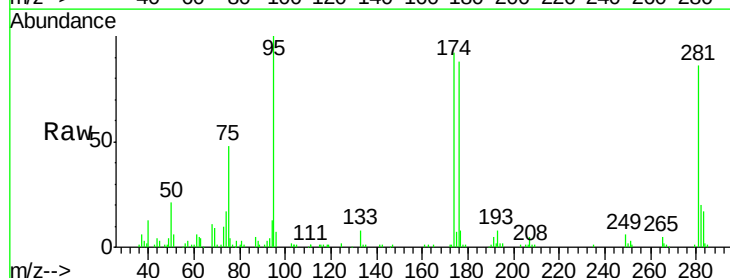
Manual Integrations
 APPROVED

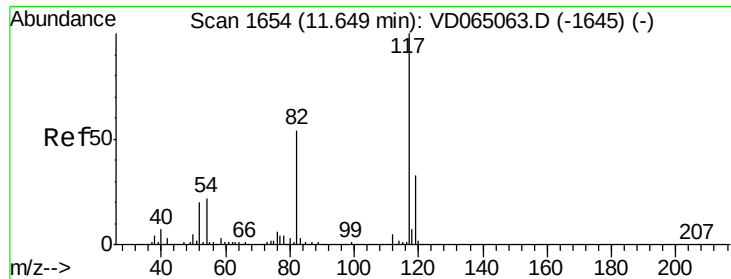
MMDadoda
 2/6/2020 10:37:07 AM



#62
 4-Bromofluorobenzene
 Concen: 9.165 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	180.0
176	87.8	0.0	173.2





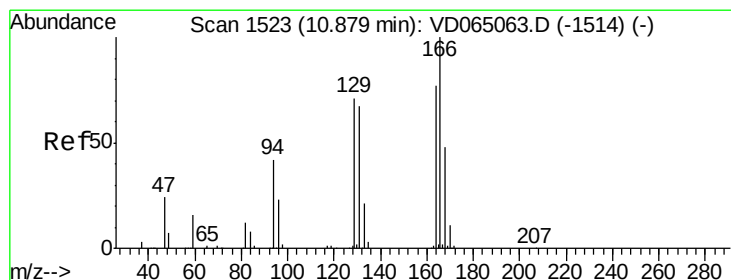
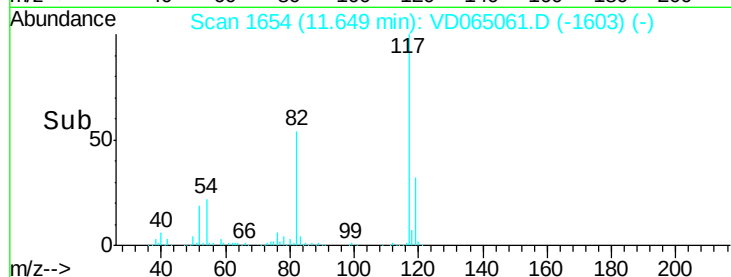
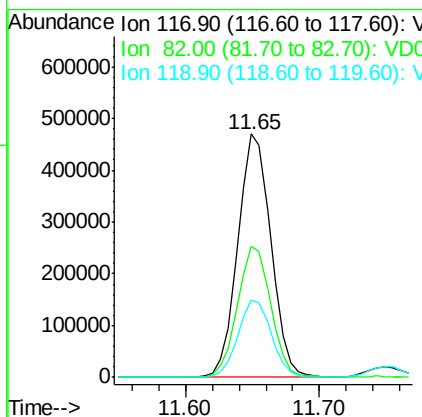
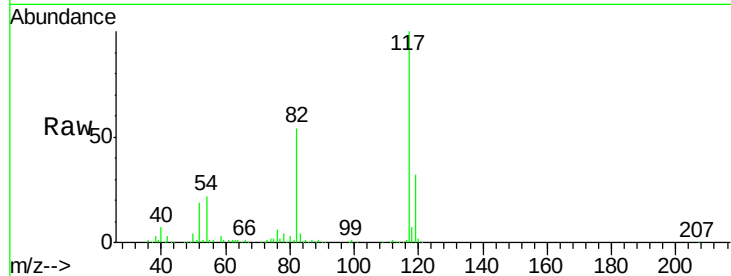
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.1	64.7
119	31.7	26.0	39.0

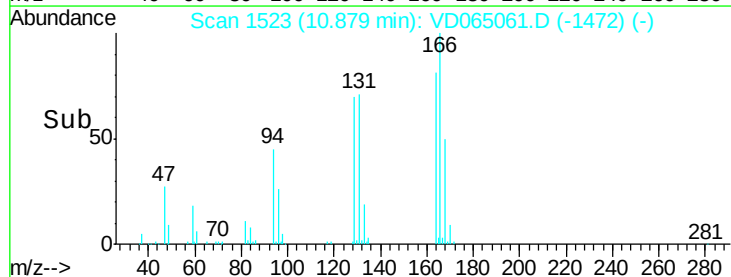
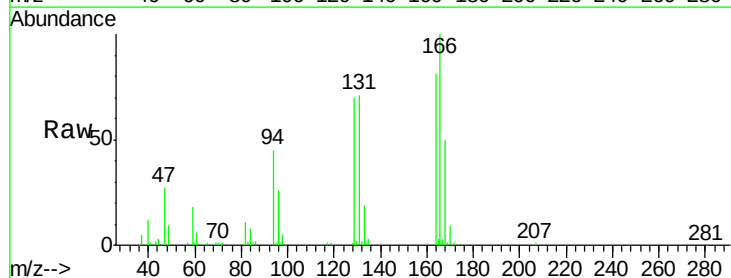
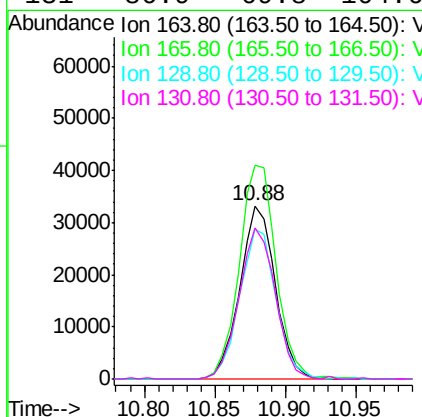
Manual Integrations
APPROVED

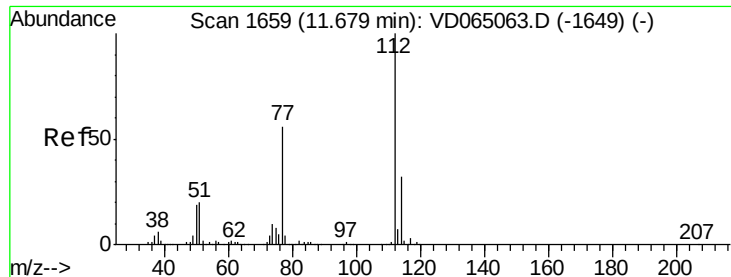
MMDadoda
2/6/2020 10:37:07 AM



#64
Tetrachloroethene
Concen: 9.990 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	103.5	155.3
129	86.4	73.3	109.9
131	86.9	69.8	104.6





#65

Chlorobenzene

Concen: 9.906 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 162562

Ion Ratio Lower Upper

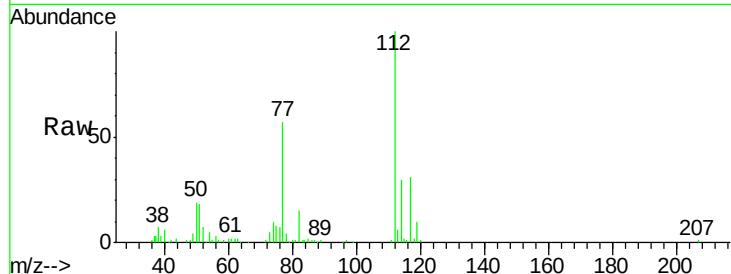
112 100

114 29.6 25.4 38.0

Manual Integrations
APPROVED

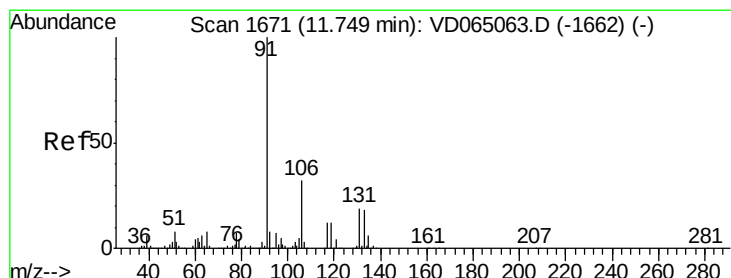
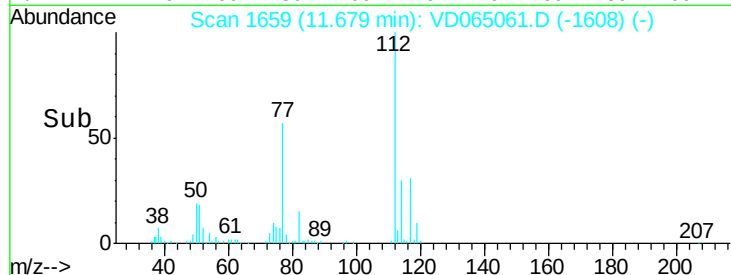
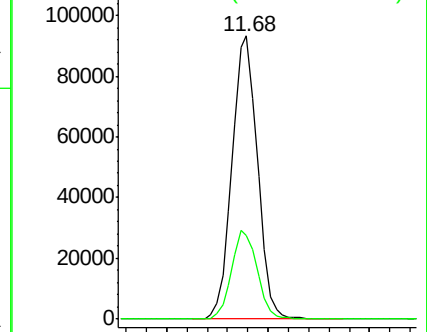
MMDadoda

2/6/2020 10:37:07 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.475 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

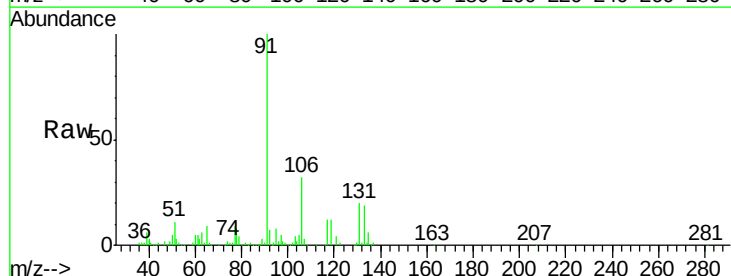
Tgt Ion:131 Resp: 58210

Ion Ratio Lower Upper

131 100

133 94.7 47.7 143.1

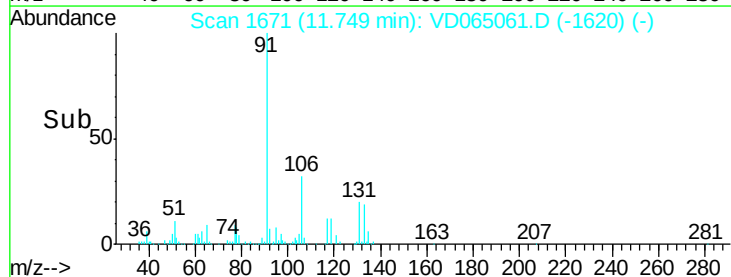
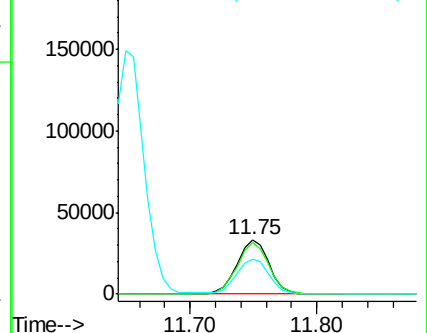
119 66.2 31.3 93.8

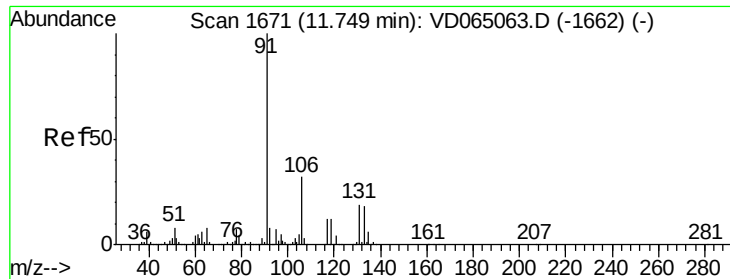


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





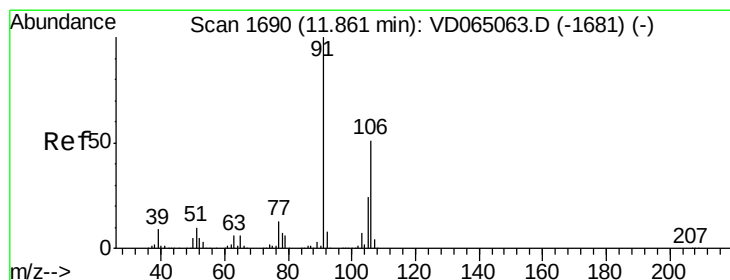
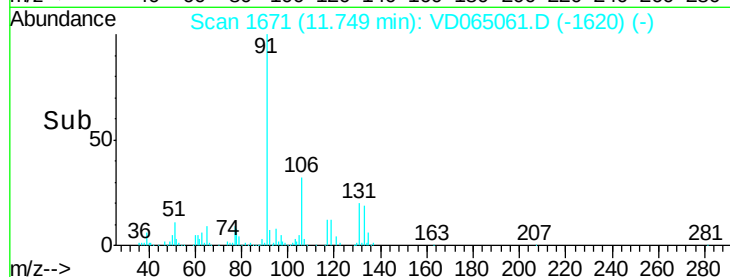
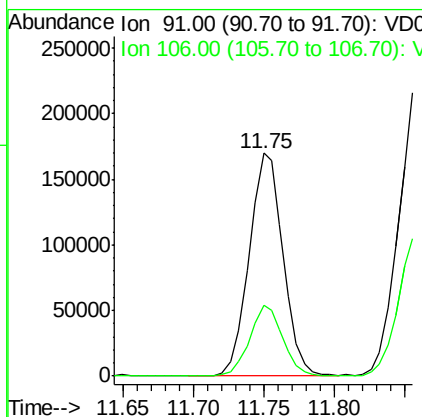
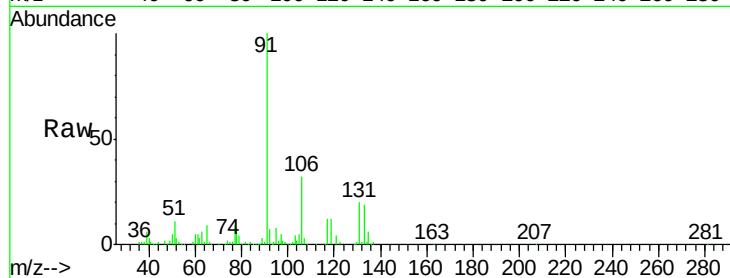
#67
Ethyl Benzene
Concen: 9.851 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.4	38.2

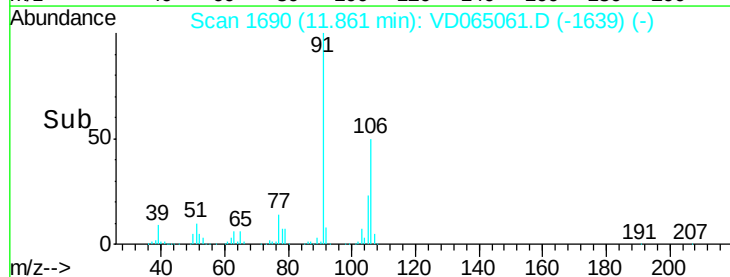
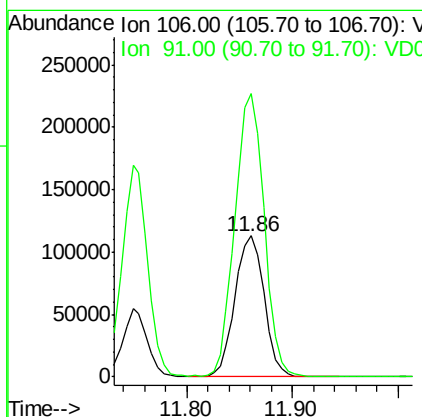
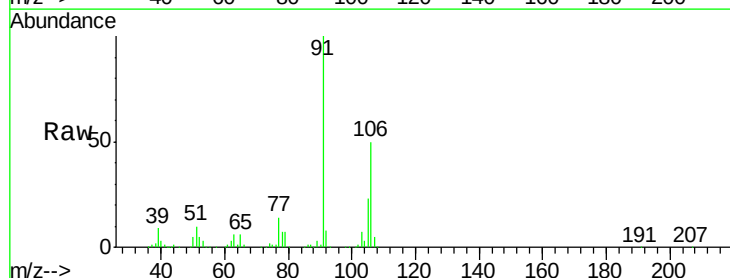
Manual Integrations
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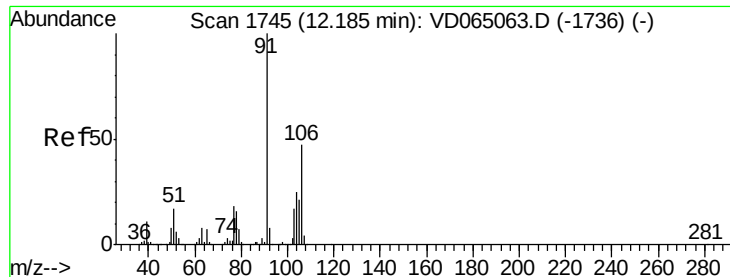
MMDadoda
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#68
m/p-Xylenes
Concen: 19.319 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.8	158.9	238.3





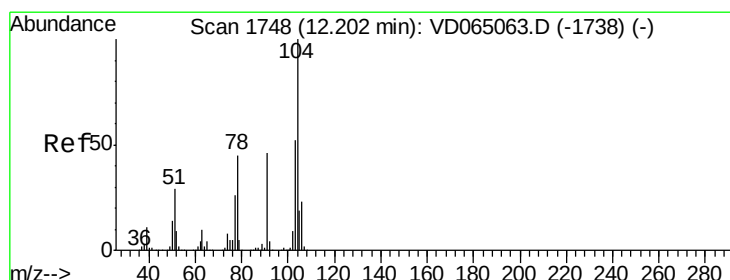
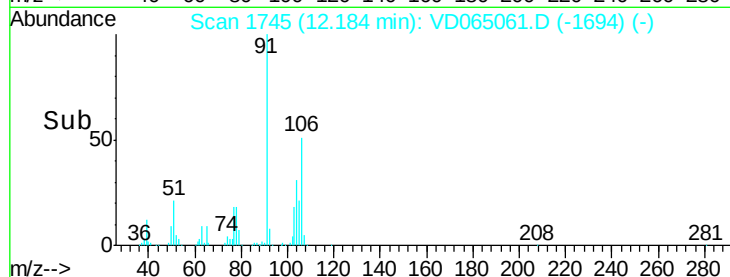
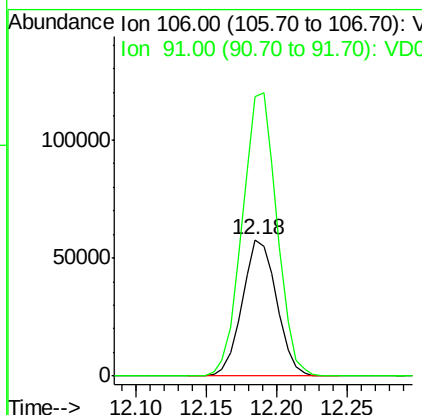
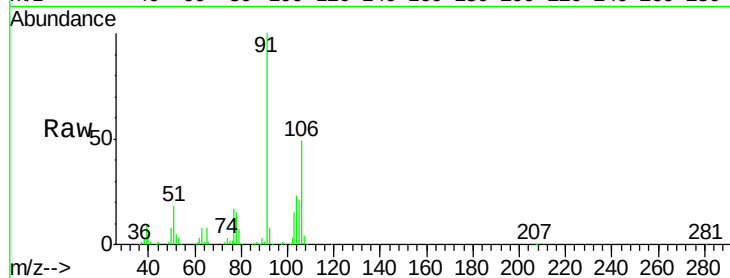
#69
o-Xylene
Concen: 9.881 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 98414
Ion Ratio Lower Upper
106 100
91 209.4 104.7 313.9

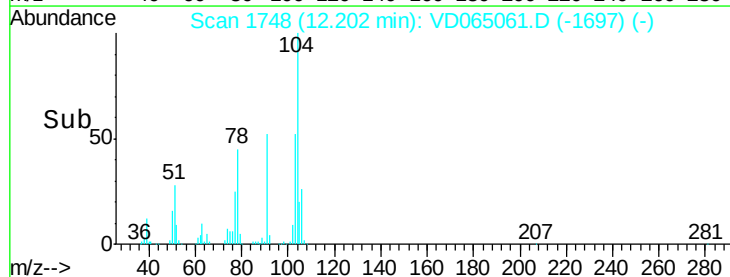
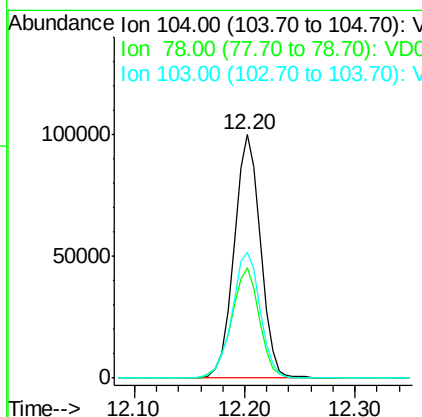
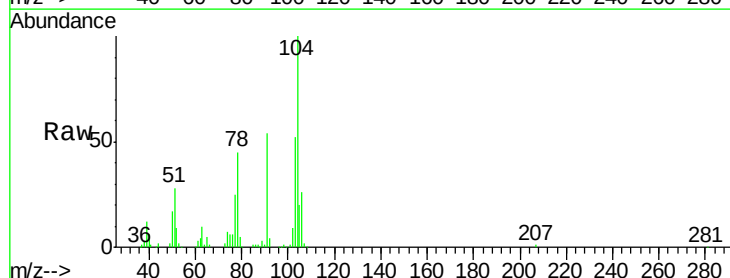
Manual Integrations
APPROVED

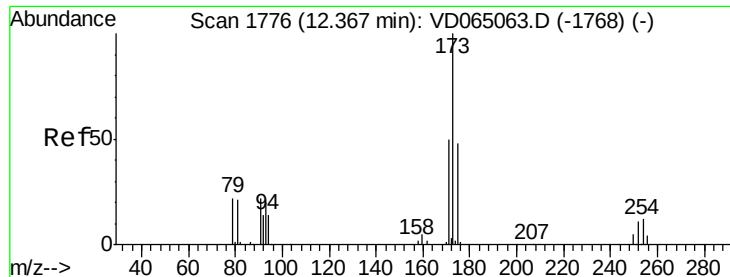
MMDadoda
2/6/2020 10:37:07 AM



#70
Styrene
Concen: 9.512 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion:104 Resp: 167616
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 54.9 43.8 65.8





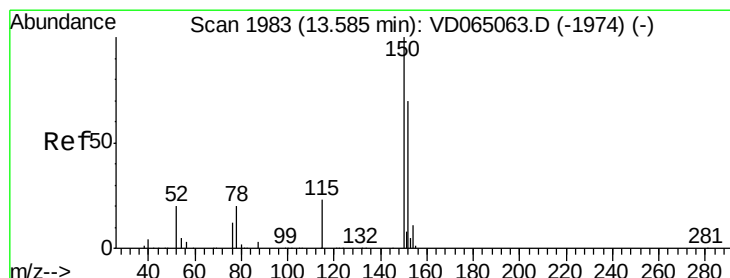
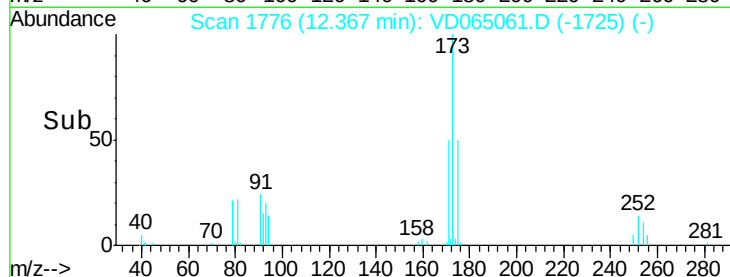
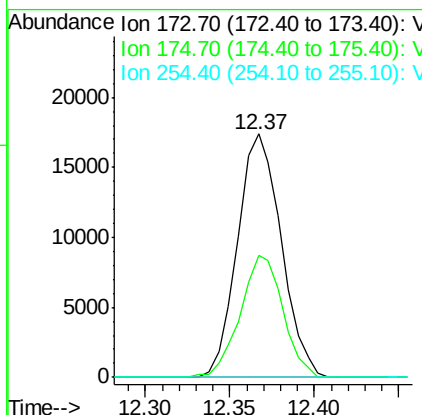
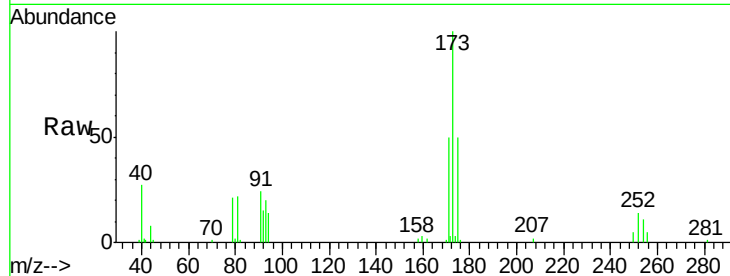
#71
Bromoform
Concen: 9.248 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.0	0.1	0.1#

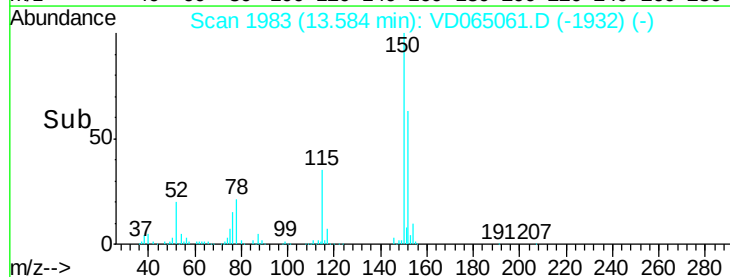
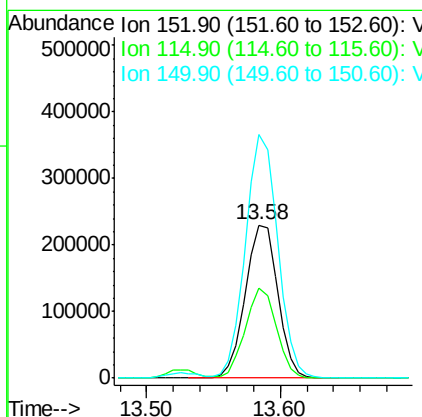
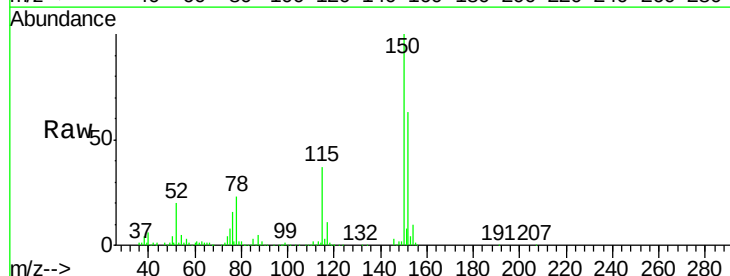
Manual Integrations
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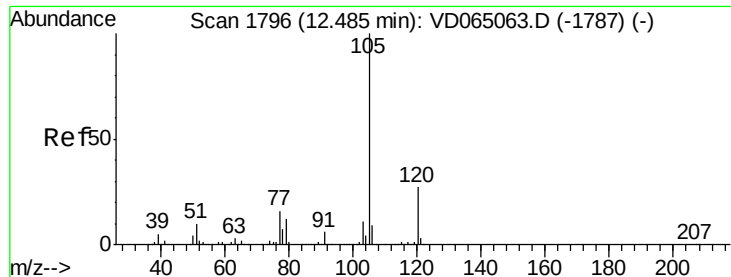
MMDadoda
2/6/2020 10:37:07 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	27.5	82.4
150	158.8	0.0	343.2





#73

Isopropylbenzene

Concen: 10.062 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 265663

Ion Ratio Lower Upper

105 100

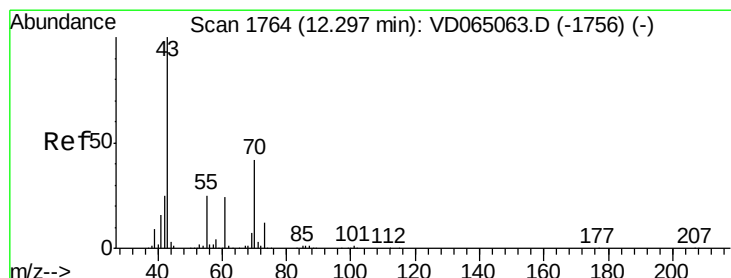
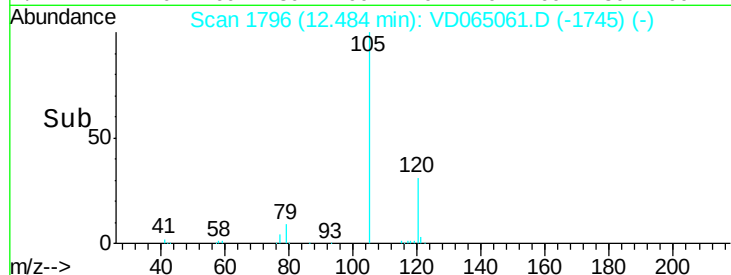
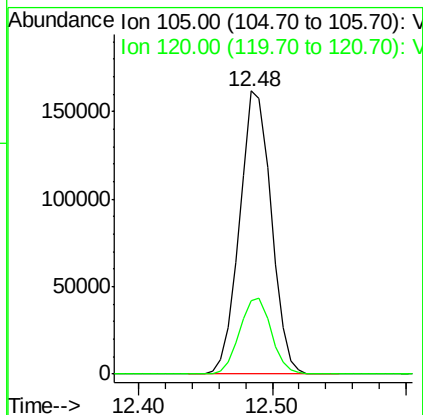
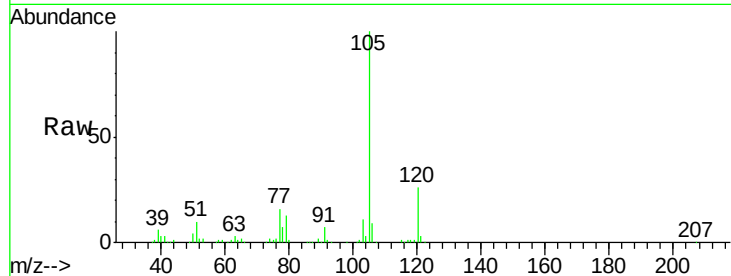
120 26.9 13.3 39.9

Manual Integrations

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MMDadoda

2/6/2020 10:37:07 AM



#74

N-ethyl acetate

Concen: 9.582 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Tgt Ion: 43 Resp: 56279

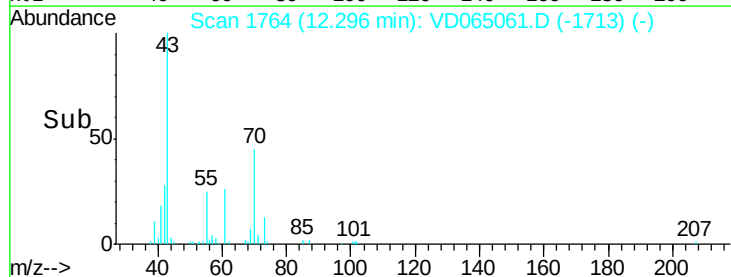
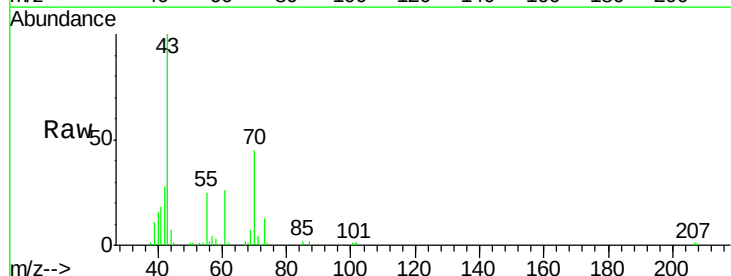
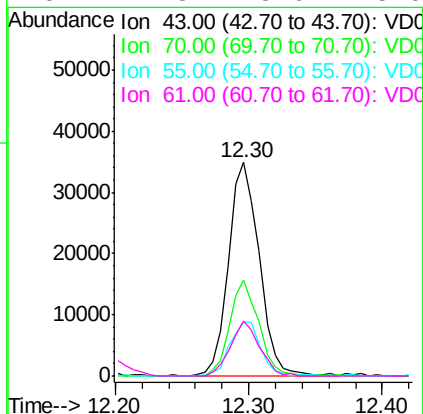
Ion Ratio Lower Upper

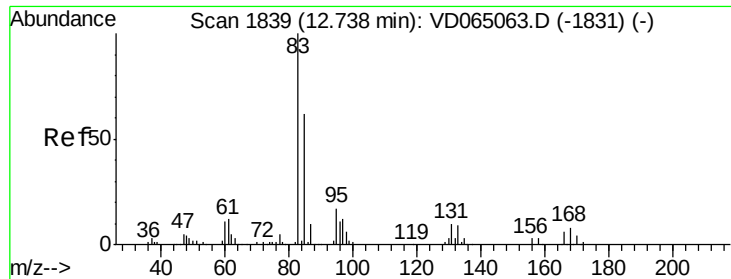
43 100

70 41.8 33.5 50.3

55 25.1 19.4 29.2

61 24.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 10.041 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

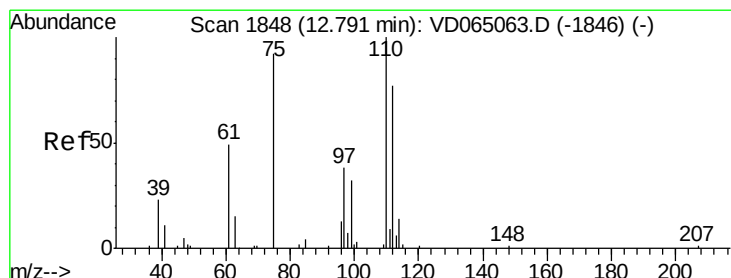
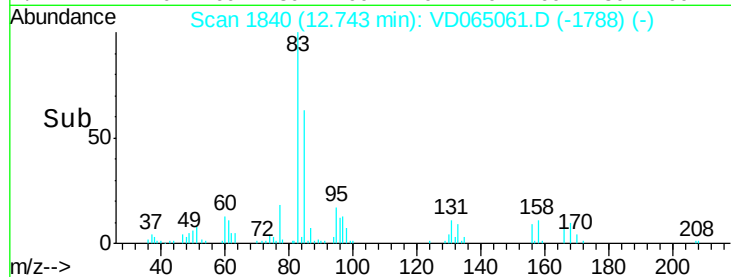
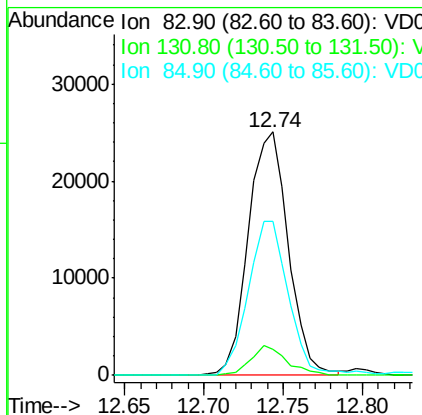
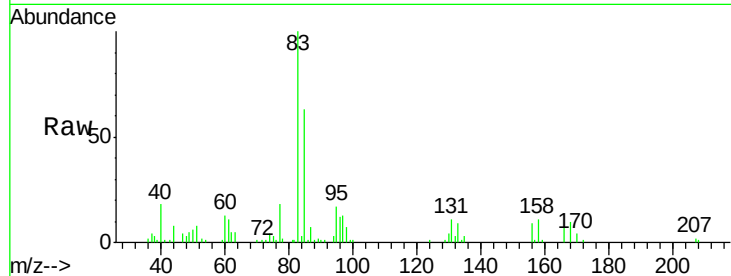
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	44100
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	64.3	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 8.082 ug/l m

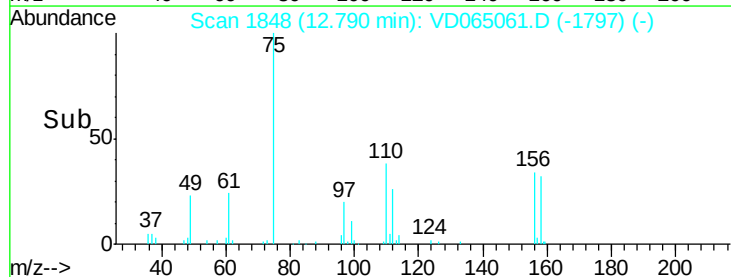
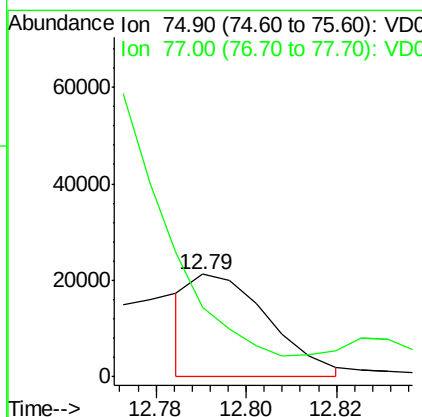
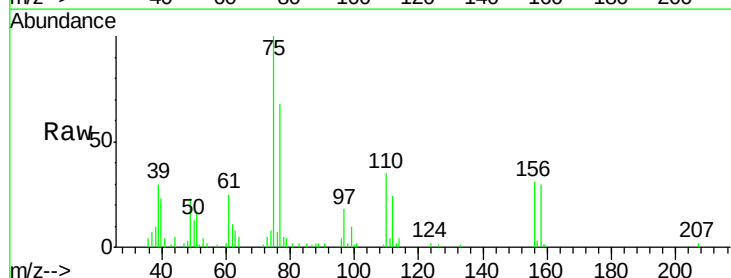
RT: 12.79 min Scan# 1848

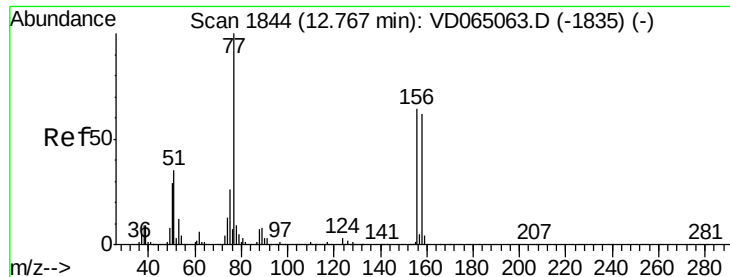
Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Tgt Ion:	75	Resp:	25193
Ion	Ratio	Lower	Upper
75	100		
77	437.4	0.0	0.0#





#77

Bromobenzene

Concen: 10.215 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

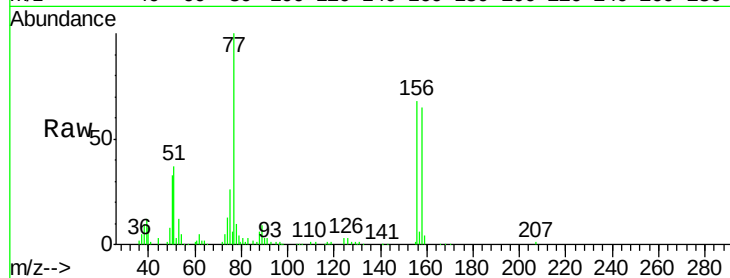
ClientSampleId :

VSTDIC010

Tot Ion:	156	Resp:	65804
Ion	Ratio	Lower	Upper
156	100		
77	167.5	85.6	256.8
158	97.7	47.4	142.2

Manual Integrations
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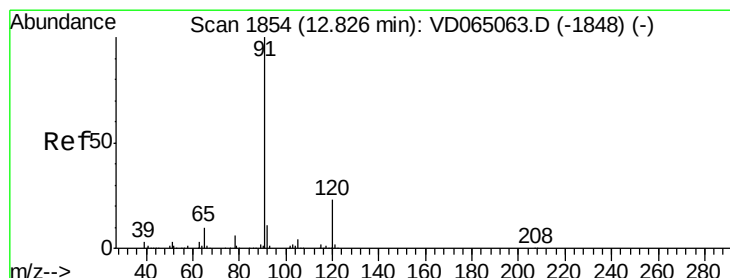
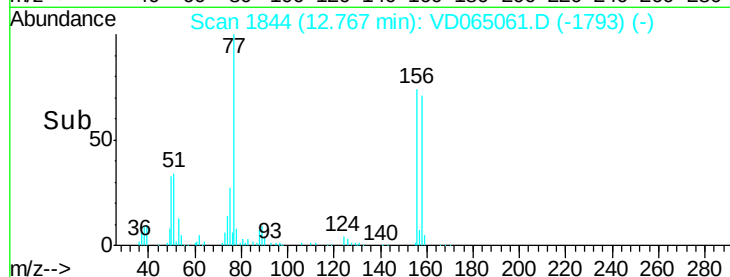
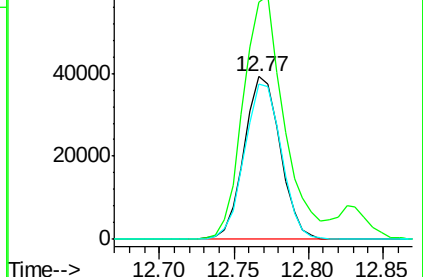
MMDadoda
2/6/2020 10:37:07 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.956 ug/l

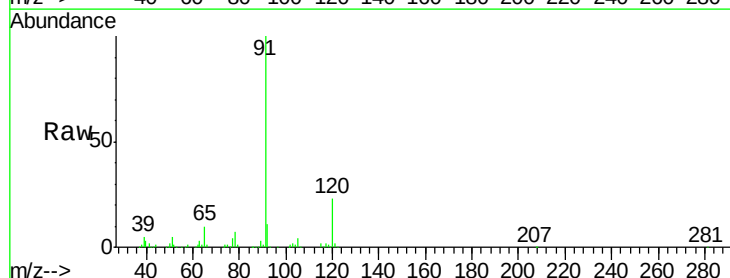
RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065061.D

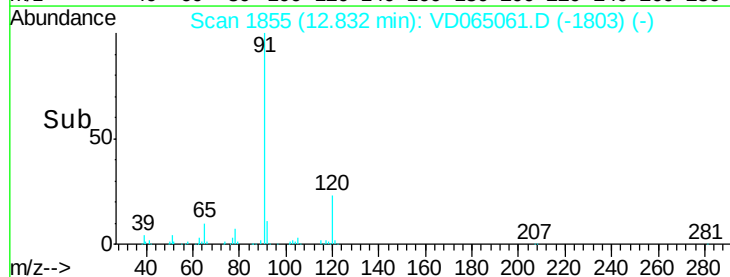
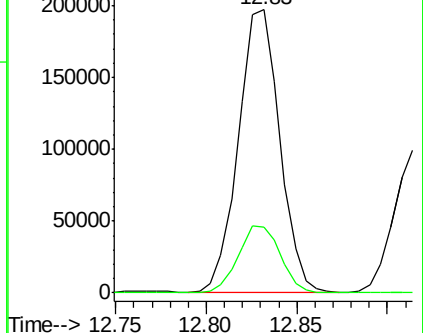
Acq: 05 Feb 2020 12:31

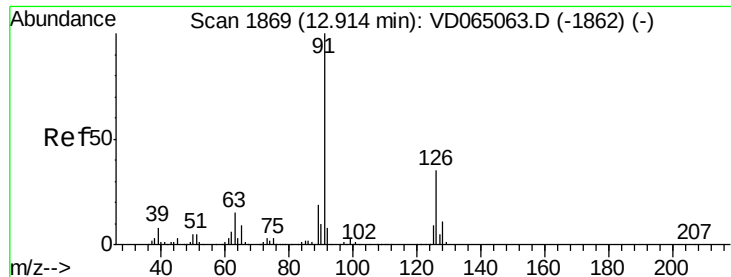
Tgt Ion:	91	Resp:	312323
Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.156 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 175095

Ion Ratio Lower Upper

91 100

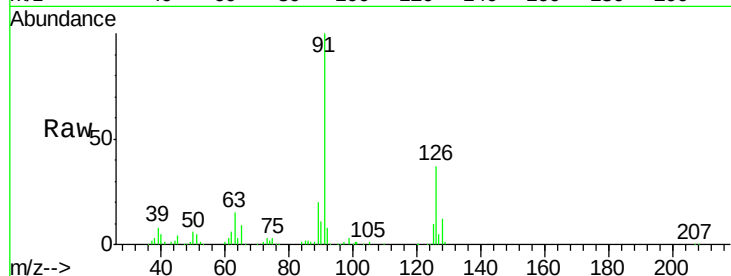
126 34.8 17.4 52.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD065063.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065063.D (-1862) (-)

150000

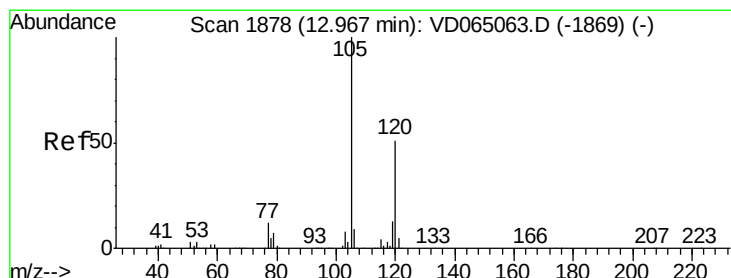
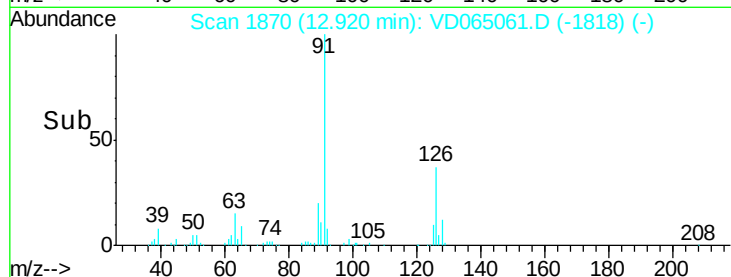
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 10.202 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065061.D

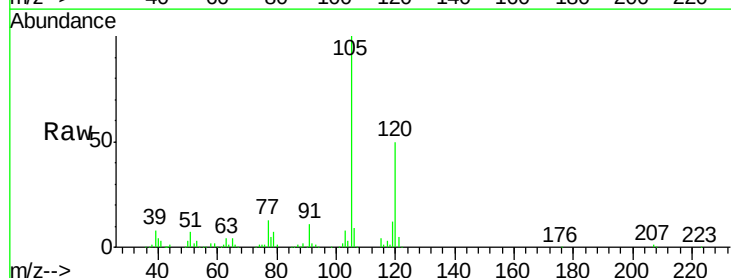
Acq: 05 Feb 2020 12:31

Tgt Ion: 105 Resp: 220662

Ion Ratio Lower Upper

105 100

120 49.4 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065063.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065063.D (-1869) (-)

150000

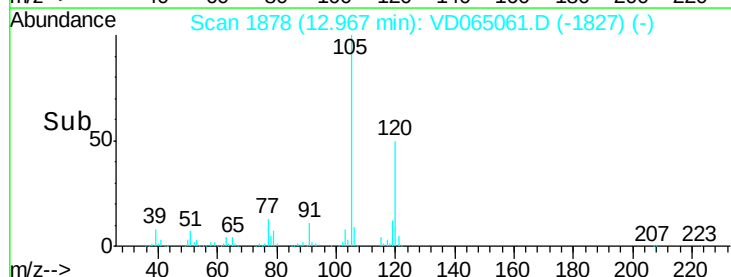
100000

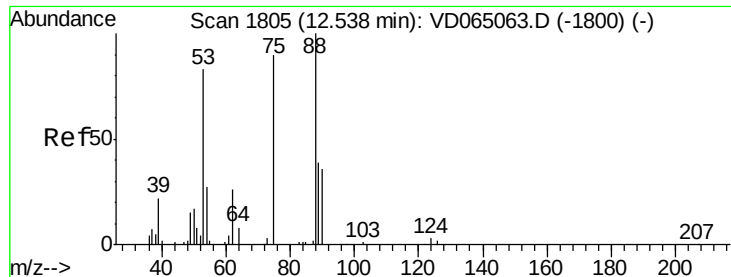
50000

0

12.90 12.95 13.00

Time-->





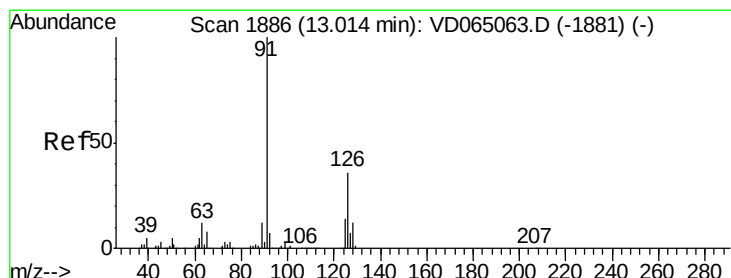
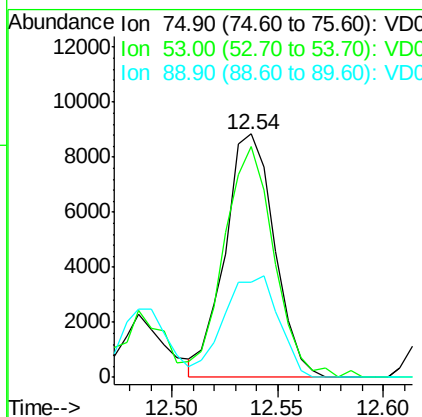
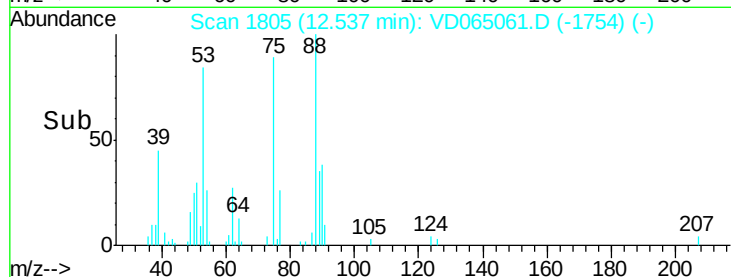
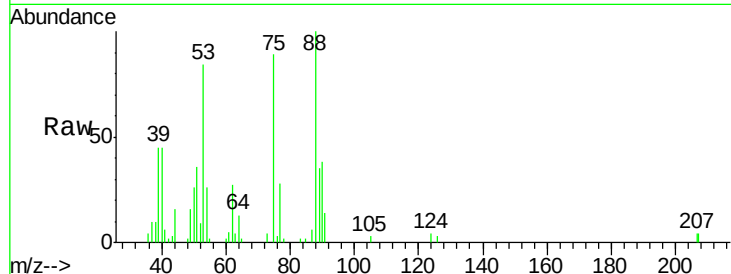
#81
trans-1,4-Dichloro-2-butene
Concen: 9.584 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.2	78.5	117.7
89	46.2	37.0	55.4

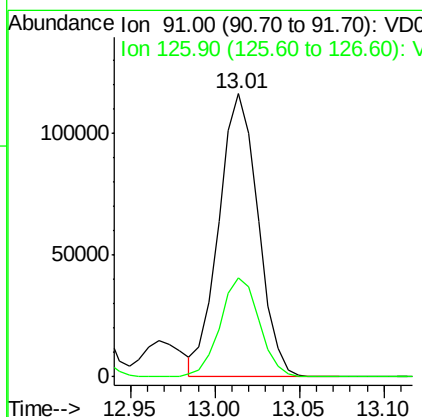
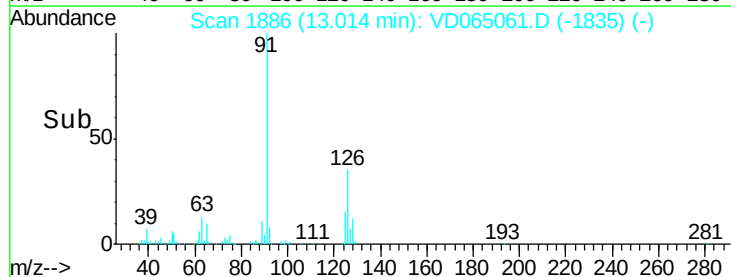
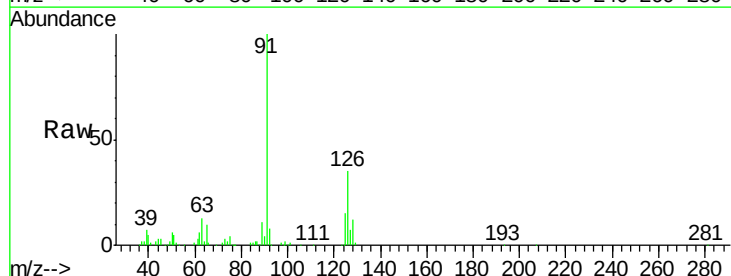
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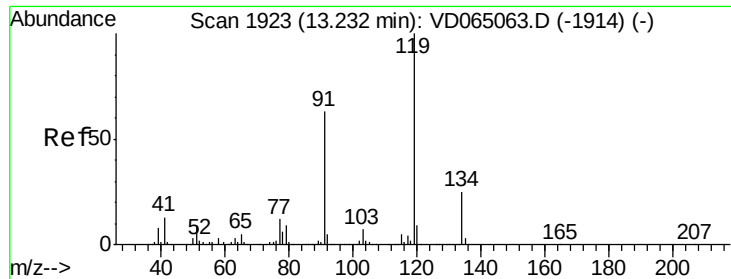
MMDadoda
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#82
4-Chlorotoluene
Concen: 10.284 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.5	52.5





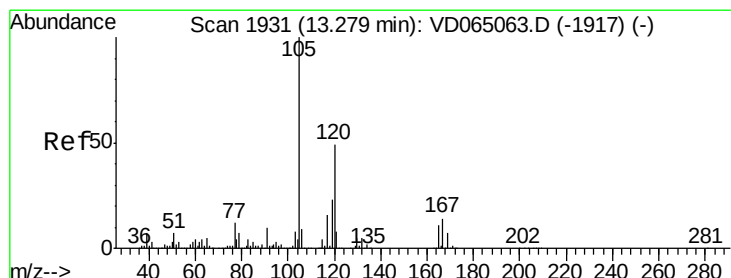
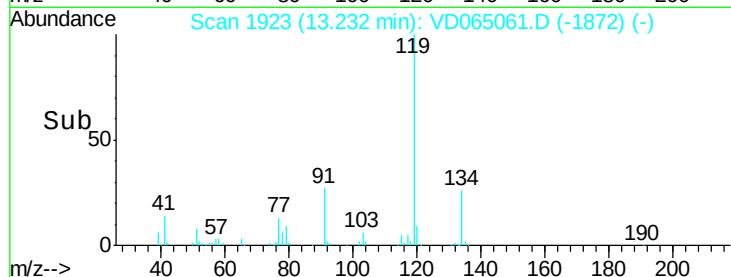
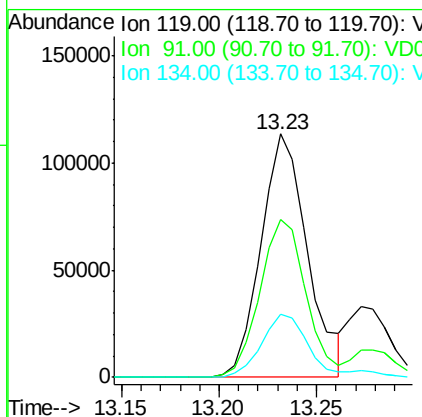
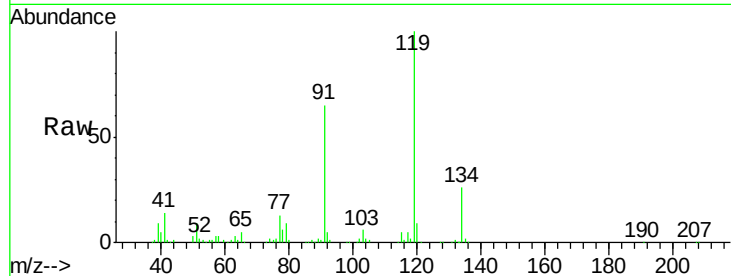
#83
 tert-Butylbenzene
 Concen: 10.241 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	187734		
91	64.2		32.3	96.9
134	27.3		13.8	41.3

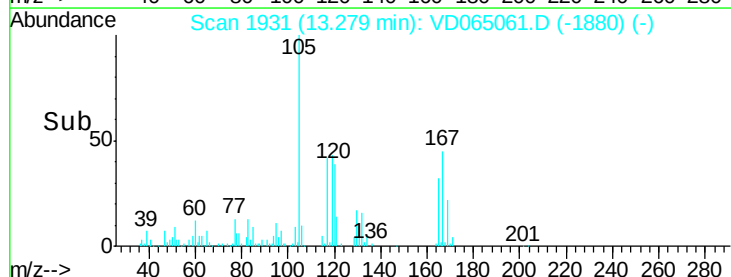
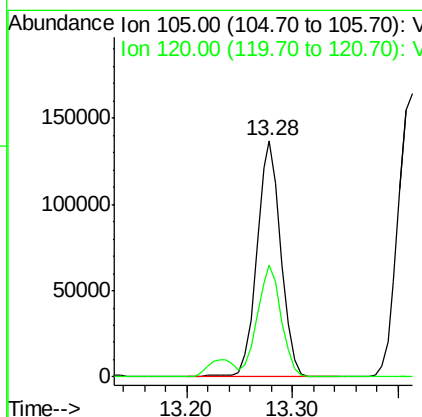
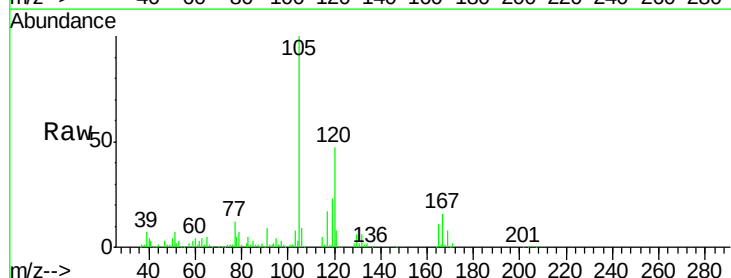
Manual Integrations
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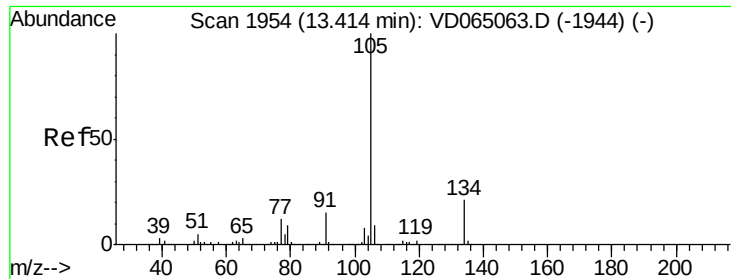
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#84
 1,2,4-Trimethylbenzene
 Concen: 9.880 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	215818		
120	47.4		23.5	70.5





#85

sec-Butylbenzene

Concen: 9.861 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 256746

Ion Ratio Lower Upper

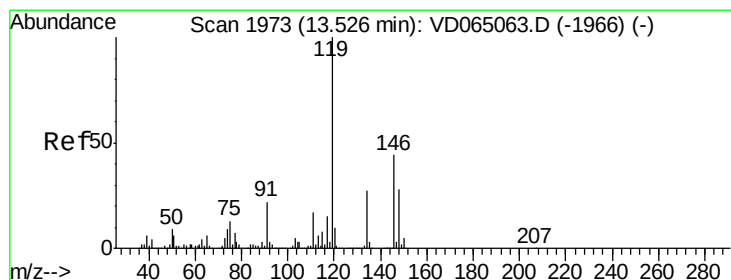
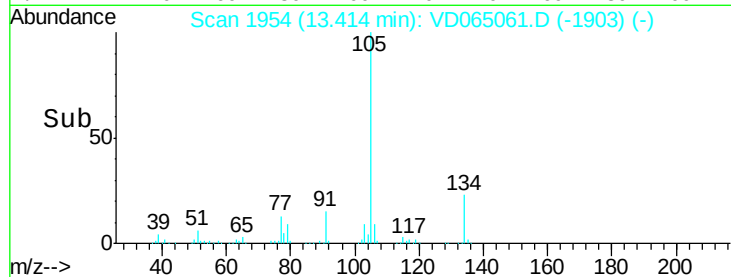
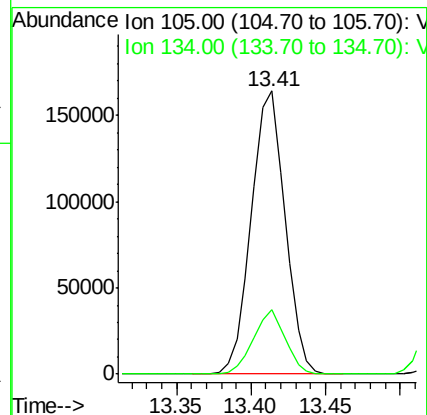
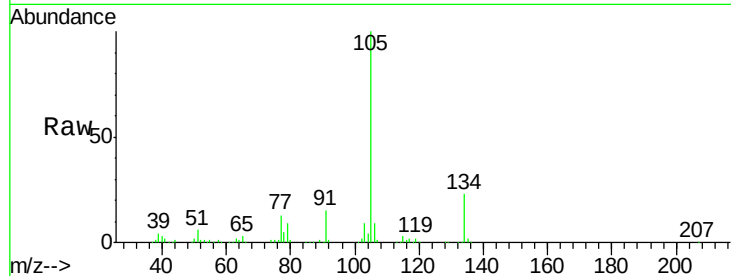
105 100

134 21.4 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 9.664 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

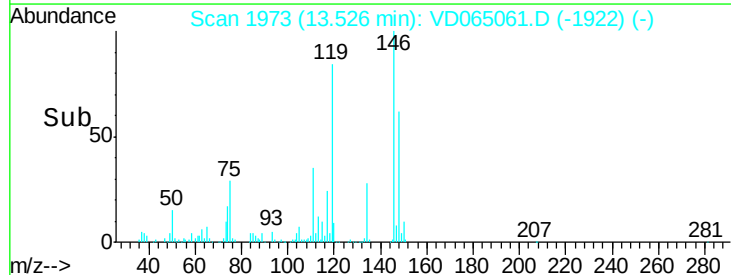
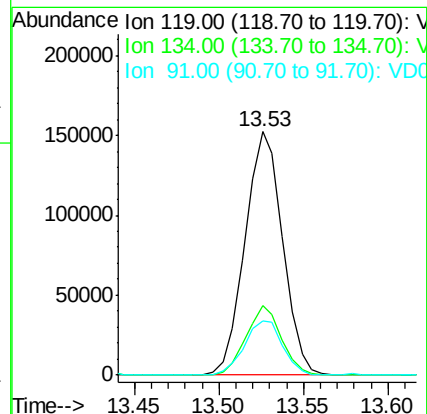
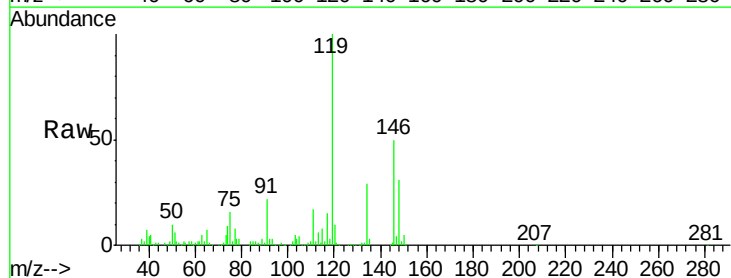
Tgt Ion:119 Resp: 234354

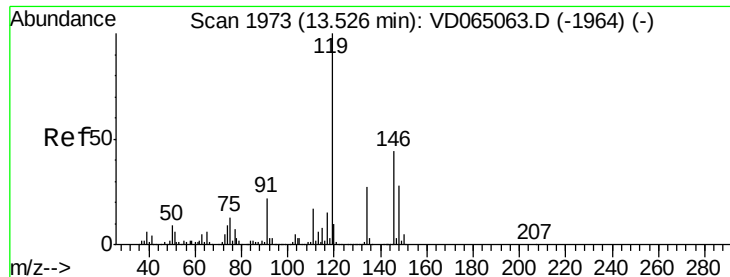
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 23.0 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 10.093 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Instrument :

MSVOA_D

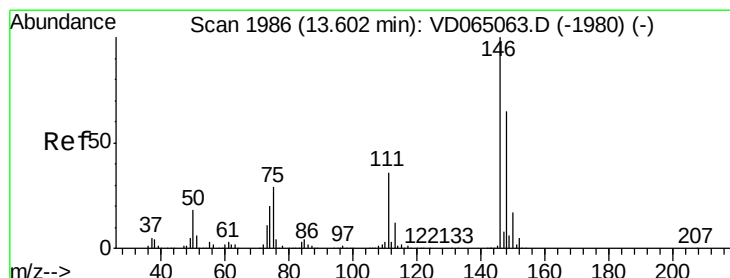
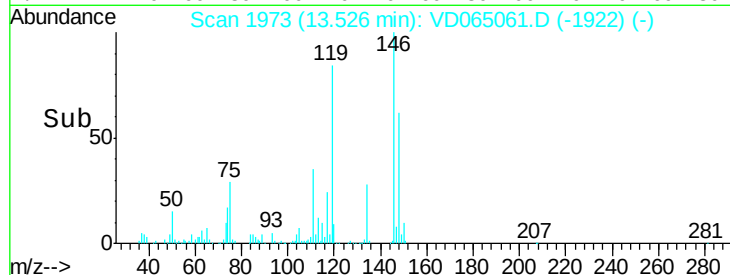
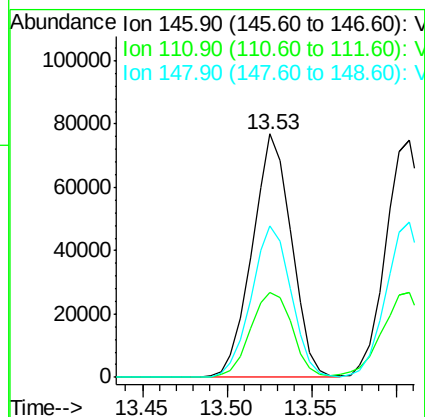
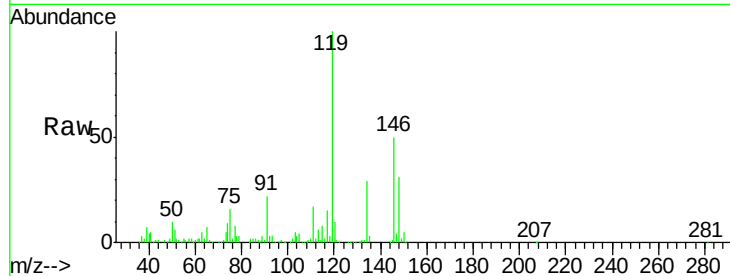
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	124452
Ion Ratio	Lower	Upper	
146	100		
111	36.9	19.4	58.4
148	62.8	32.3	96.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 10.136 ug/l

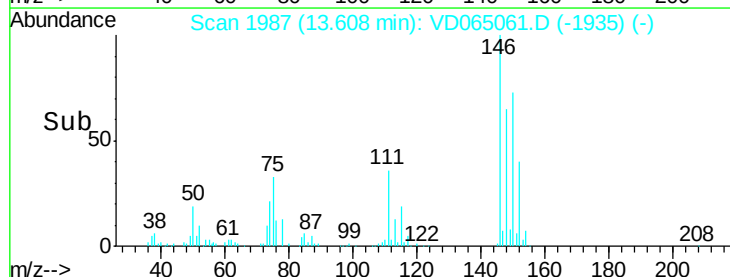
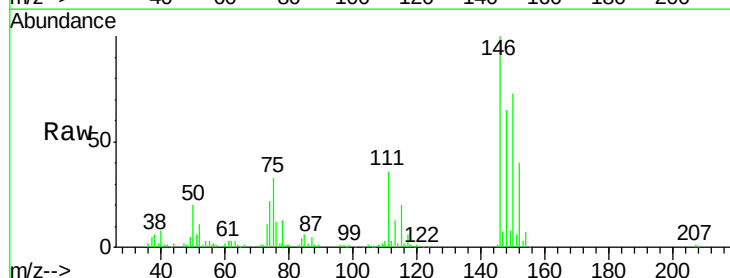
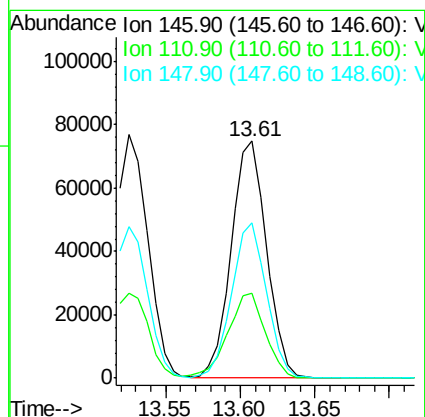
RT: 13.61 min Scan# 1987

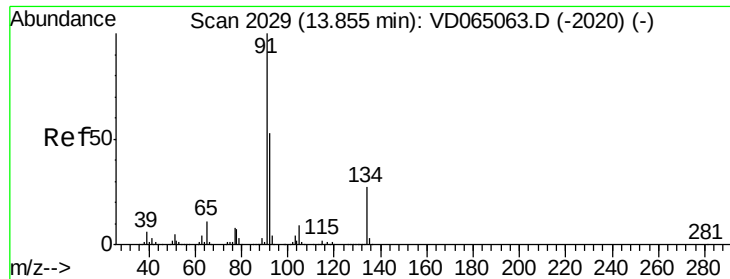
Delta R.T. 0.01 min

Lab File: VD065061.D

Acq: 05 Feb 2020 12:31

Tgt Ion:	146	Resp:	124033
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.5	55.5
148	64.8	32.7	98.1





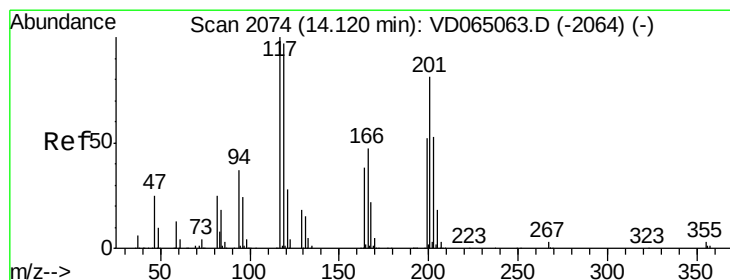
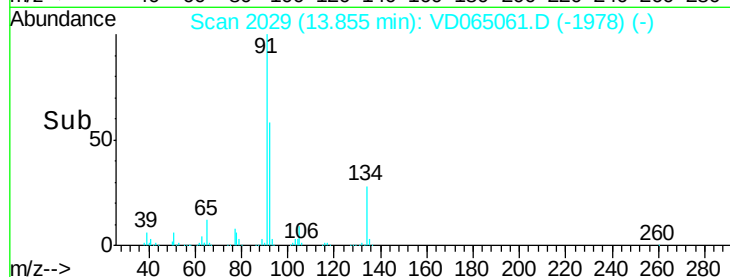
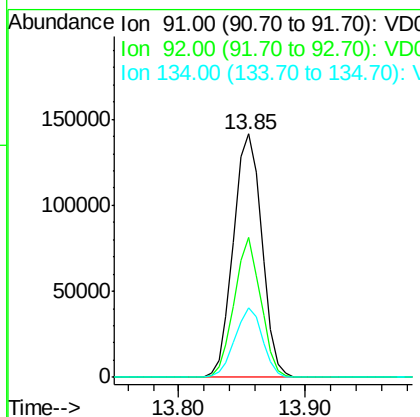
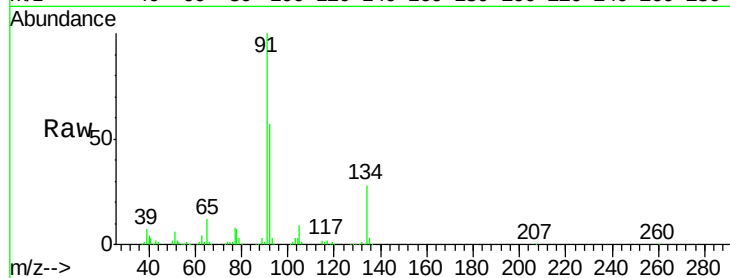
#89
n-Butylbenzene
Concen: 9.909 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.7	80.1
134	27.7	13.4	40.2

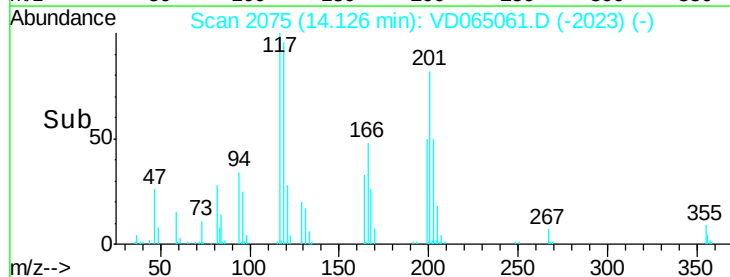
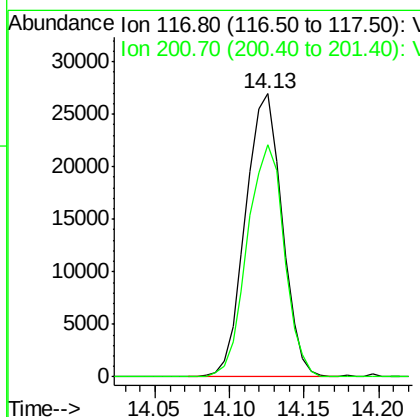
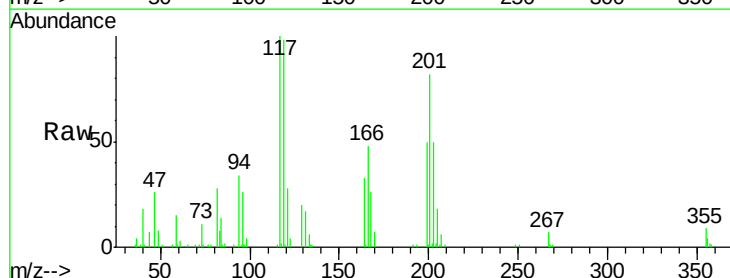
Manual Integrations
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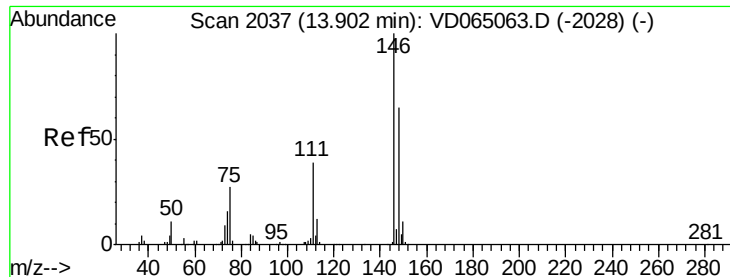
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#90
Hexachloroethane
Concen: 9.823 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	42.5	127.6





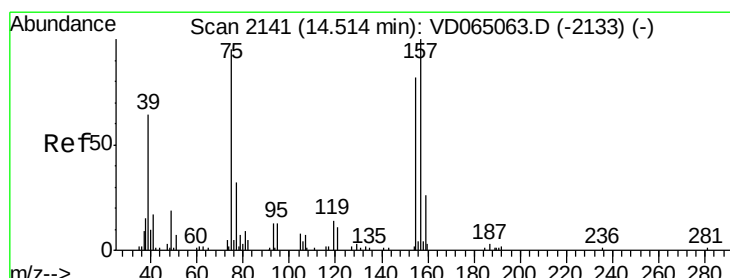
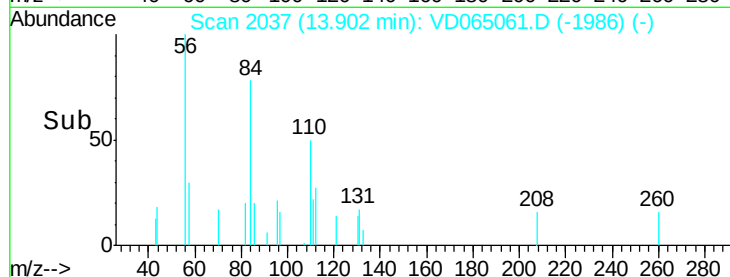
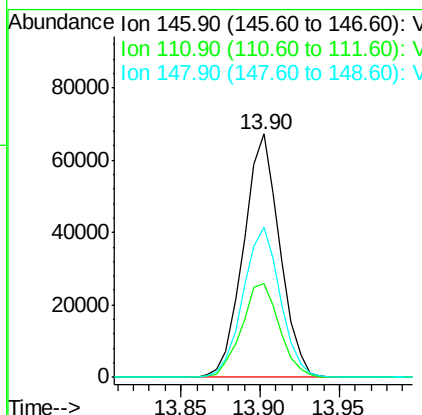
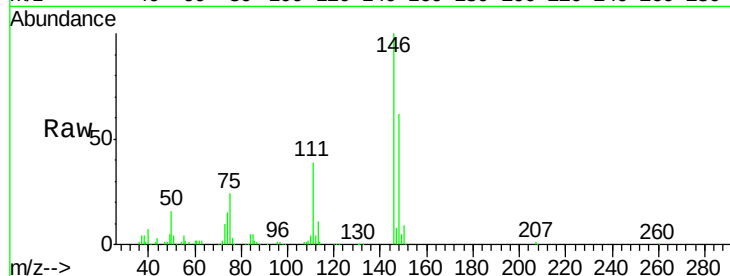
#91
 1,2-Dichlorobenzene
 Concen: 10.182 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.7	59.1
148	63.4	31.9	95.5

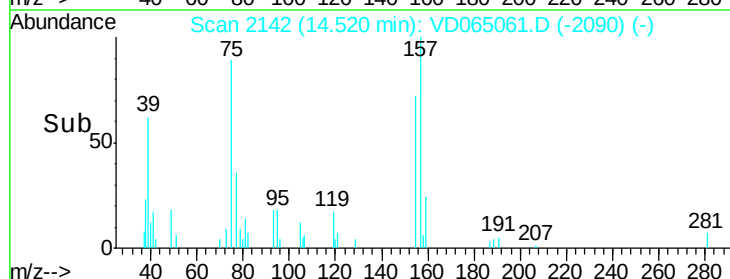
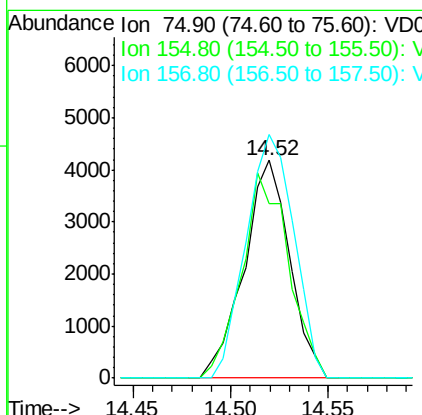
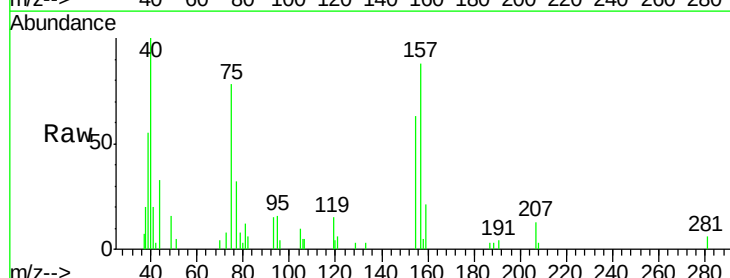
Manual Integrations
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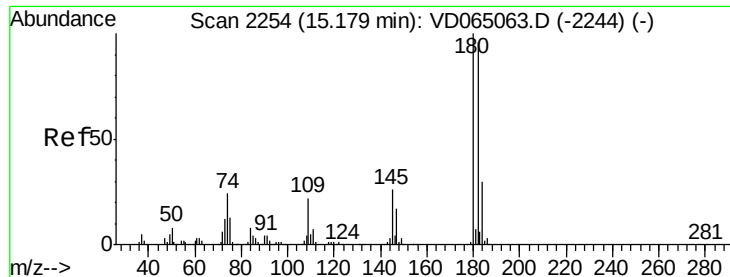
MMDadoda
 2/6/2020 10:37:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.577 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	43.4	130.1
157	117.4	55.8	167.3





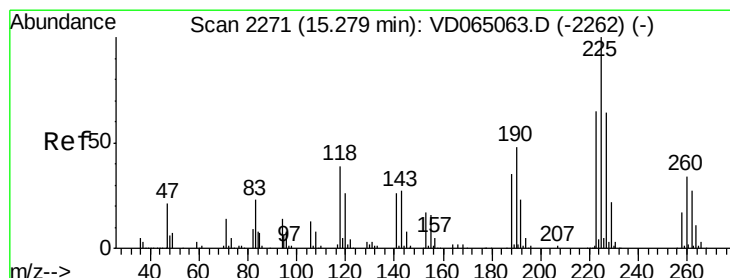
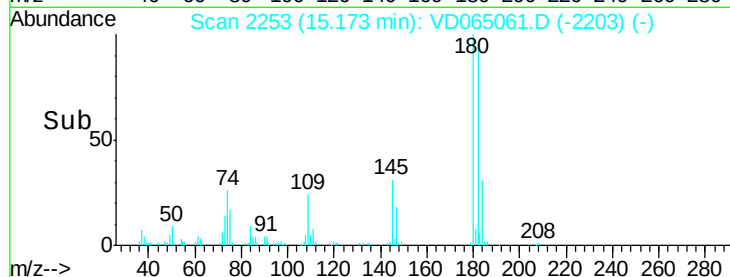
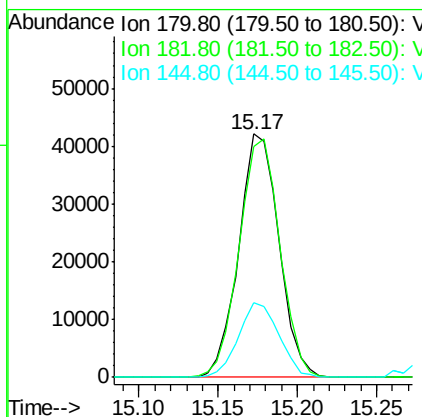
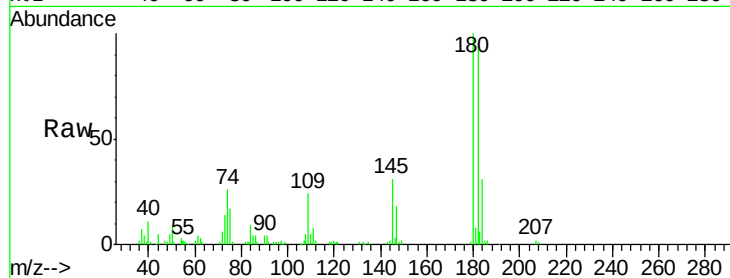
#93
 1,2,4-Trichlorobenzene
 Concen: 10.193 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180	Resp:	74260
Ion Ratio	Lower	Upper
180 100		
182 99.5	47.4	142.3
145 30.9	14.1	42.4

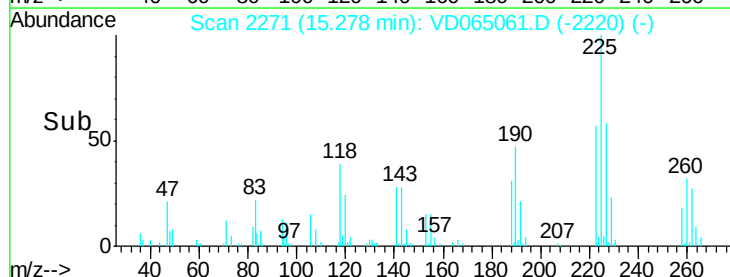
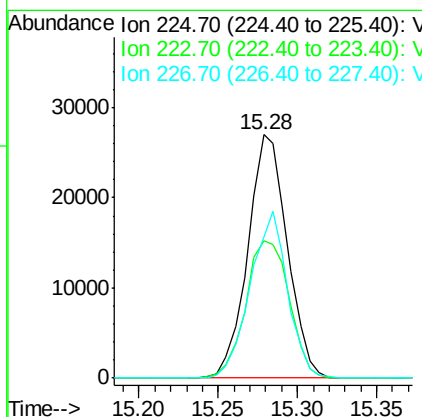
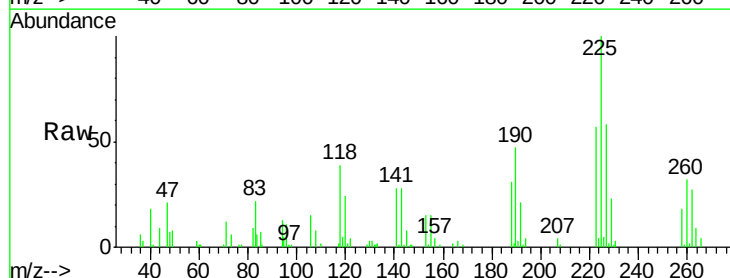
Manual Integrations
 APPROVED

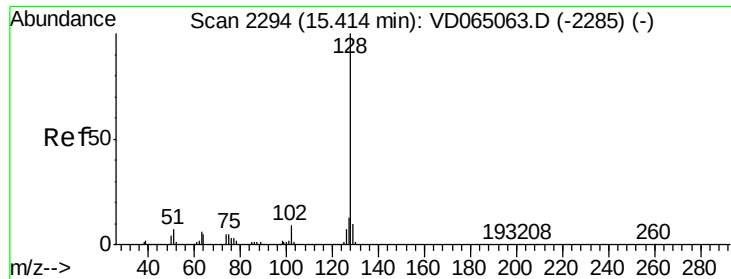
MMDadoda
 2/6/2020 10:37:07 AM



#94
 Hexachlorobutadiene
 Concen: 10.145 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065061.D
 Acq: 05 Feb 2020 12:31

Tgt Ion:225	Resp:	46753
Ion Ratio	Lower	Upper
225 100		
223 62.2	31.4	94.0
227 64.9	31.8	95.3





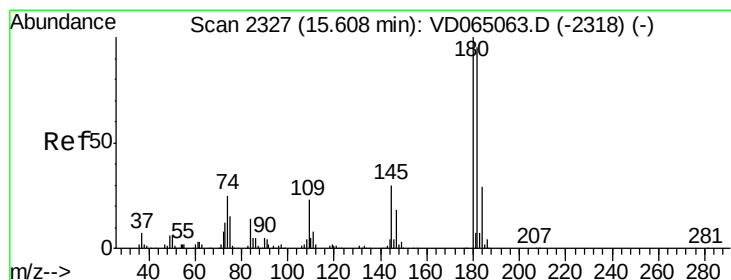
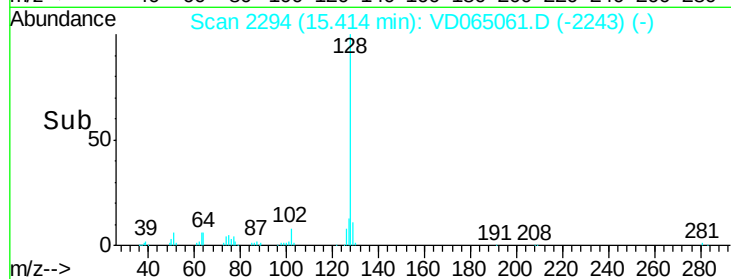
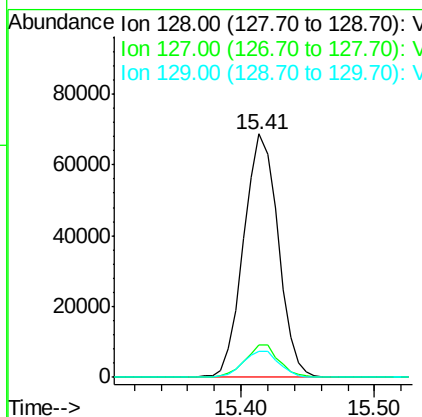
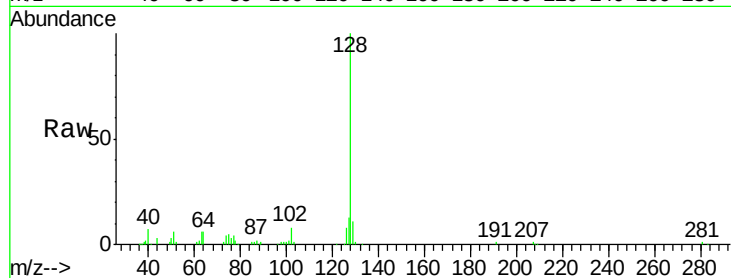
#95
Naphthalene
Concen: 10.481 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
128	100	122713		
127	12.8		10.6	15.8
129	11.2		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/6/2020 10:37:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 10.517 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065061.D
Acq: 05 Feb 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	65862		
182	95.3		47.1	141.4
145	30.9		14.9	44.9

