

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065214.D
 Acq On : 18 Feb 2020 11:30
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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 2/19/2020 1:44:06 PM

Quant Time: Feb 19 03:16:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	479335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	720749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	652408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	318918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	82960	19.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.48%	
35) Dibromofluoromethane	7.92	113	84191	19.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.32%	
50) Toluene-d8	10.34	98	327725	19.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.02%	
62) 4-Bromofluorobenzene	12.64	95	101794	19.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74664	18.571	ug/l	97
3) Chloromethane	2.21	50	101667	19.868	ug/l	98
4) Vinyl Chloride	2.35	62	104018	19.990	ug/l	100
5) Bromomethane	2.76	94	59525	18.920	ug/l	86
6) Chloroethane	2.92	64	63425	19.969	ug/l	92
7) Trichlorofluoromethane	3.27	101	150724	20.232	ug/l	99
8) Diethyl Ether	3.71	74	45075	20.045	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	96197	20.448	ug/l	100
10) Methyl Iodide	4.30	142	94388	19.323	ug/l	97
11) Tert butyl alcohol	5.25	59	26938	104.542	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	89592	20.159	ug/l	99
13) Acrolein	3.93	56	44343	115.597	ug/l	100
14) Allyl chloride	4.71	41	142778	19.784	ug/l	99
15) Acrylonitrile	5.44	53	101339	101.787	ug/l	100
16) Acetone	4.17	43	93750	88.939	ug/l	96
17) Carbon Disulfide	4.40	76	299952	20.132	ug/l	100
18) Methyl Acetate	4.73	43	49261	20.779	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	185484	20.014	ug/l	96
20) Methylene Chloride	4.96	84	107677	20.123	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	103383	20.463	ug/l	92
22) Diisopropyl ether	6.37	45	287172	20.641	ug/l	99
23) Vinyl Acetate	6.31	43	778421	101.490	ug/l	97
24) 1,1-Dichloroethane	6.27	63	173613	20.119	ug/l	99
25) 2-Butanone	7.22	43	128381	96.262	ug/l	100
26) 2,2-Dichloropropane	7.21	77	151040	20.173	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	106722	19.942	ug/l	98
28) Bromochloromethane	7.55	49	61014	19.058	ug/l	95
29) Tetrahydrofuran	7.57	42	79430	101.648	ug/l	100
30) Chloroform	7.71	83	177505	20.417	ug/l	92
31) Cyclohexane	7.98	56	170127	20.065	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	158466	20.372	ug/l	99
36) 1,1-Dichloropropene	8.11	75	143560	20.471	ug/l	99
37) Ethyl Acetate	7.30	43	59913	20.436	ug/l	99
38) Carbon Tetrachloride	8.10	117	145051	20.318	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164479	19.950	ug/l	99
40) Benzene	8.36	78	401731	20.295	ug/l	100
41) Methacrylonitrile	7.53	41	34818	20.569	ug/l	90
42) 1,2-Dichloroethane	8.43	62	110835	20.367	ug/l	99
43) Isopropyl Acetate	8.46	43	105431	19.776	ug/l	98
44) Trichloroethene	9.11	130	107546	19.600	ug/l	96
45) 1,2-Dichloropropane	9.40	63	97604	19.830	ug/l	99
46) Dibromomethane	9.48	93	51210	20.221	ug/l	98
47) Bromodichloromethane	9.67	83	133592	20.017	ug/l	96
48) Methyl methacrylate	9.46	41	49141	19.941	ug/l	98
49) 1,4-Dioxane	9.47	88	12392	417.202	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	275223	101.640	ug/l	99
52) Toluene	10.41	92	251393	20.518	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	124878	20.186	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	149690	20.038	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	72872	20.444	ug/l	97
56) Ethyl methacrylate	10.67	69	82902	20.150	ug/l	99
57) 1,3-Dichloropropane	10.95	76	123613	20.375	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	123415	95.146	ug/l	100
59) 2-Hexanone	10.99	43	191322	98.703	ug/l	100
60) Dibromochloromethane	11.14	129	92067	20.180	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67731	20.069	ug/l	100
64) Tetrachloroethene	10.88	164	95269	20.589	ug/l	95
65) Chlorobenzene	11.67	112	264771	20.224	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	98116	20.082	ug/l	99
67) Ethyl Benzene	11.75	91	467719	20.398	ug/l	100
68) m/p-Xylenes	11.86	106	357190	40.716	ug/l	98
69) o-Xylene	12.18	106	157658	20.285	ug/l	99
70) Styrene	12.20	104	281780	20.420	ug/l	99
71) Bromoform	12.37	173	54555	20.123	ug/l #	100
73) Isopropylbenzene	12.48	105	436069	20.653	ug/l	98
74) N-amyl acetate	12.30	43	93998	20.035	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	77045	20.219	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	60924m	13.330	ug/l	
77) Bromobenzene	12.77	156	105330	20.090	ug/l	96
78) n-propylbenzene	12.83	91	513923	20.255	ug/l	99
79) 2-Chlorotoluene	12.91	91	285928	20.116	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	357723	20.571	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	25737	20.480	ug/l	98
82) 4-Chlorotoluene	13.01	91	306435	20.307	ug/l	99
83) tert-Butylbenzene	13.23	119	294613	20.214	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	360871	20.733	ug/l	100
85) sec-Butylbenzene	13.41	105	423788	20.179	ug/l	99
86) p-Isopropyltoluene	13.53	119	392614	20.442	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	206227	20.346	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	203772	20.370	ug/l	98
89) n-Butylbenzene	13.85	91	358537	20.259	ug/l	99
90) Hexachloroethane	14.12	117	78794	20.205	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	175121	20.122	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11802	20.098	ug/l	94

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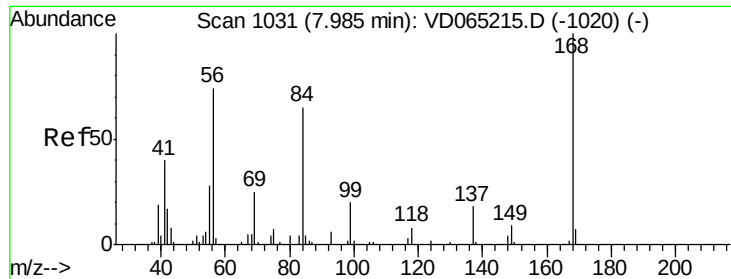
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	111414	19.571	ug/l	96
94) Hexachlorobutadiene	15.28	225	72874	19.956	ug/l	99
95) Naphthalene	15.41	128	178623	19.301	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	99889	20.091	ug/l	100

(#) = 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: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 479335

Ion Ratio Lower Upper

168 100

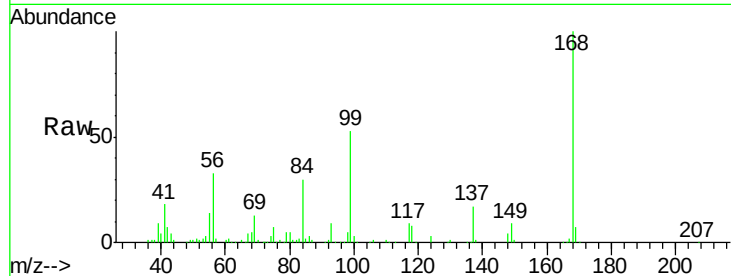
99 53.1 41.4 62.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

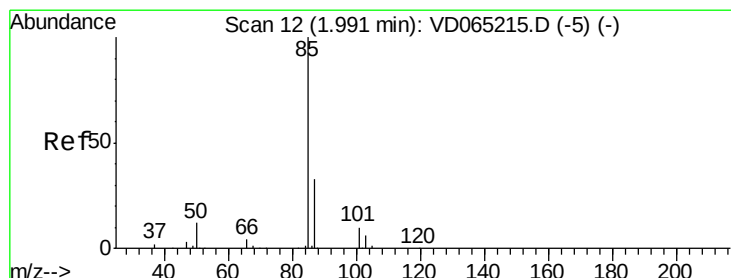
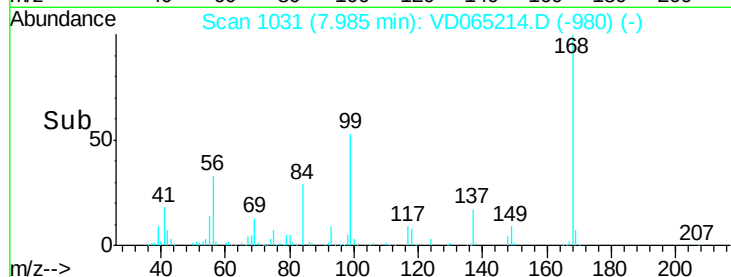
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.571 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065214.D

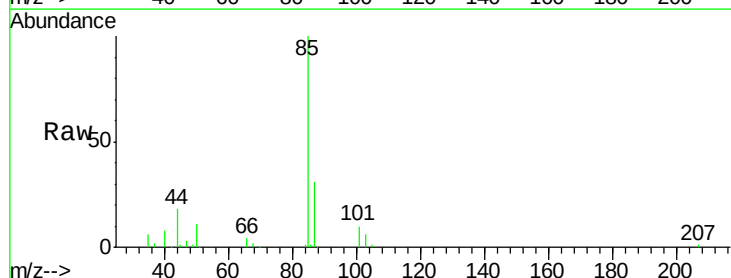
Acq: 18 Feb 2020 11:30

Tgt Ion: 85 Resp: 74664

Ion Ratio Lower Upper

85 100

87 31.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

10000

0

1.90

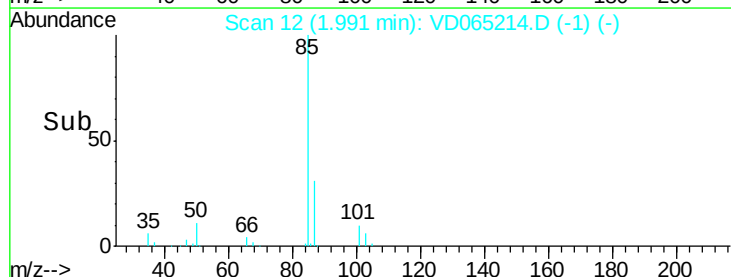
1.95

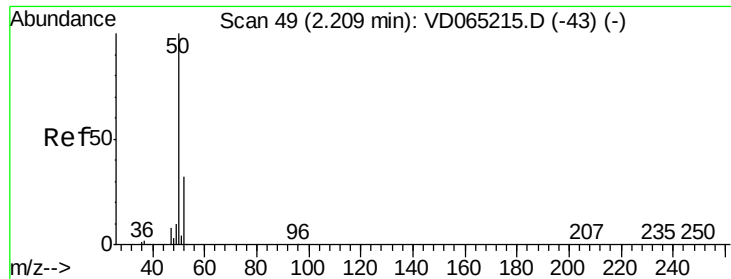
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 19.868 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 101667

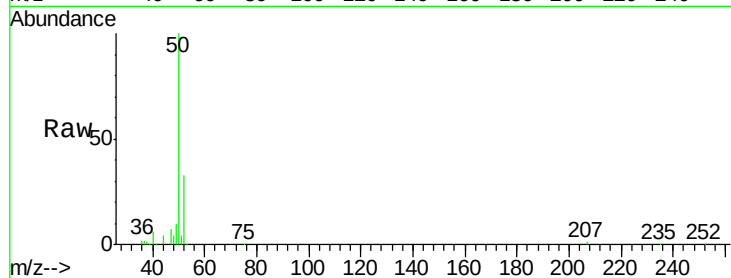
Ion Ratio Lower Upper

50 100

52 33.1 25.5 38.3

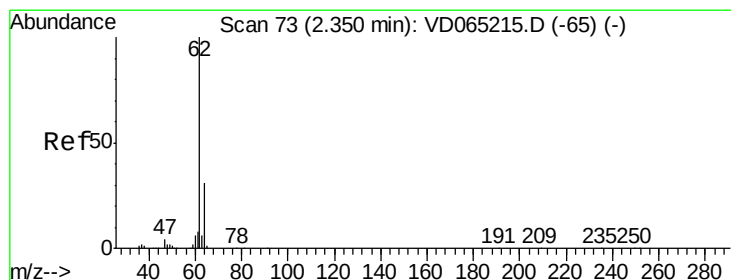
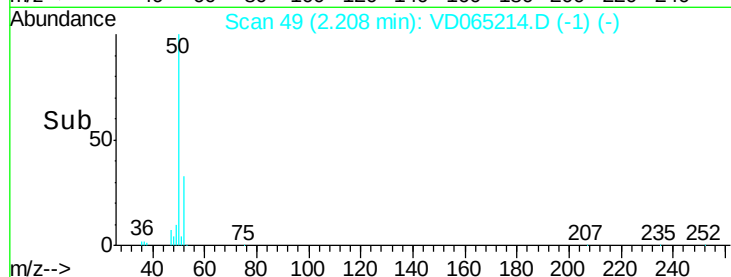
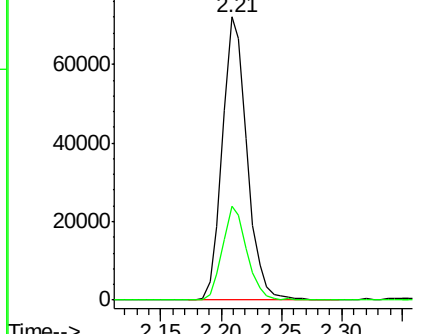
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.990 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065214.D

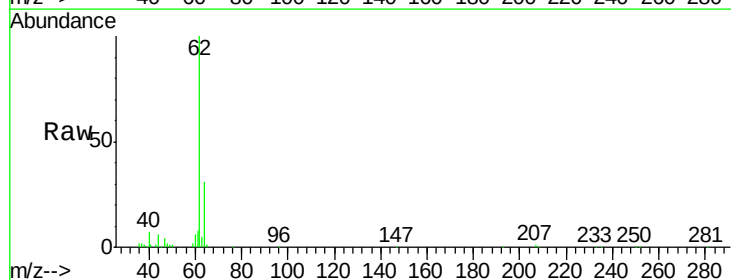
Acq: 18 Feb 2020 11:30

Tgt Ion: 62 Resp: 104018

Ion Ratio Lower Upper

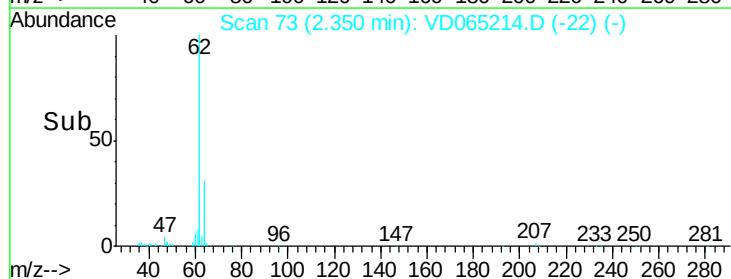
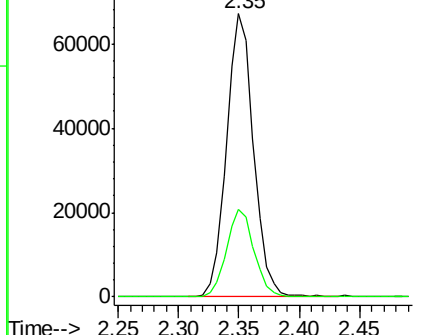
62 100

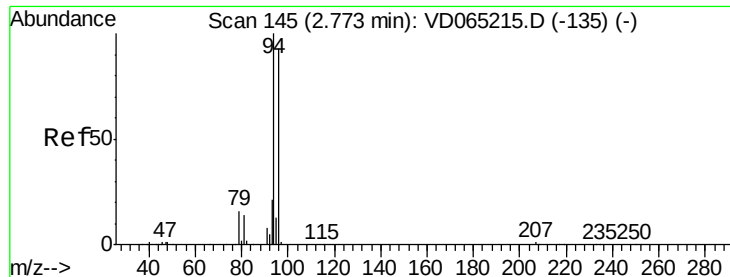
64 31.0 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.920 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 59525

Ion Ratio Lower Upper

94 100

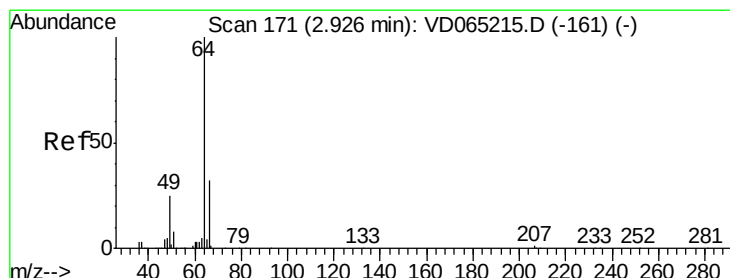
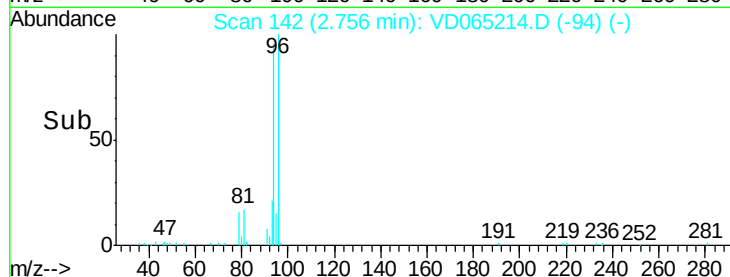
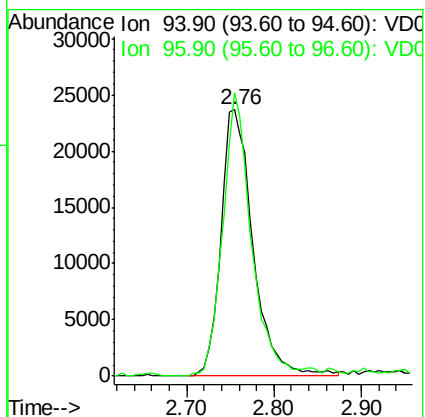
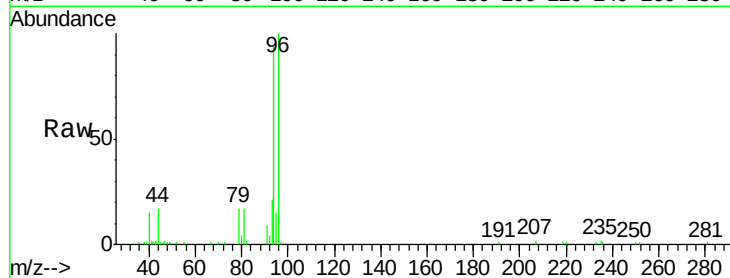
96 106.3 74.2 111.4

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#6

Chloroethane

Concen: 19.969 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065214.D

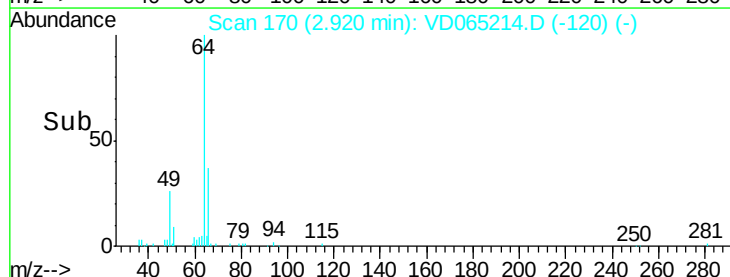
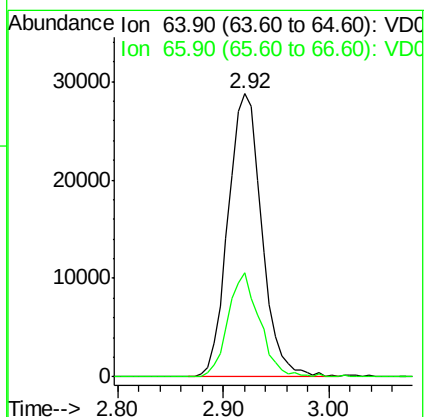
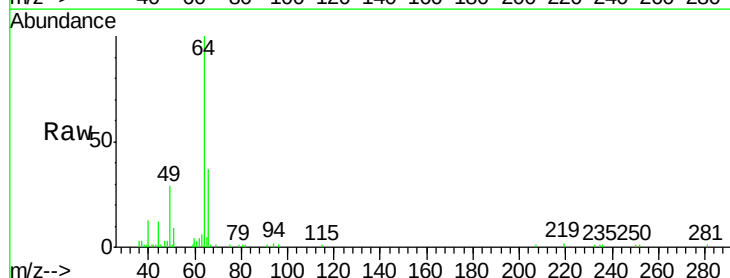
Acq: 18 Feb 2020 11:30

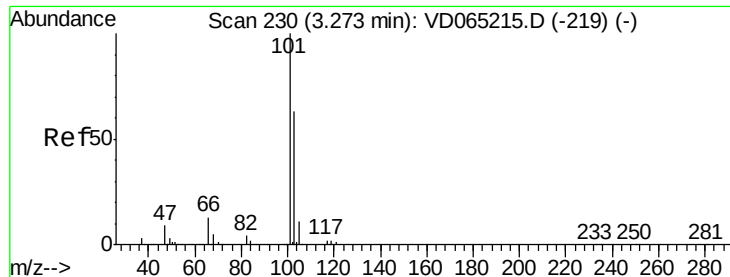
Tgt Ion: 64 Resp: 63425

Ion Ratio Lower Upper

64 100

66 36.8 25.7 38.5





#7

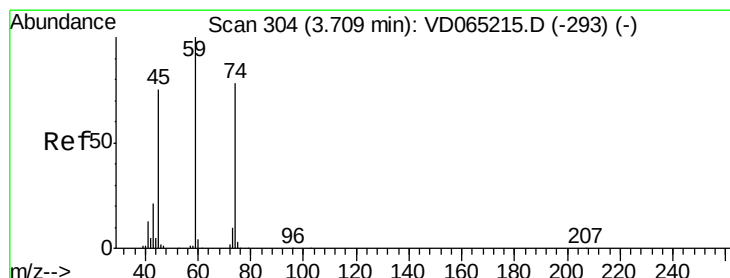
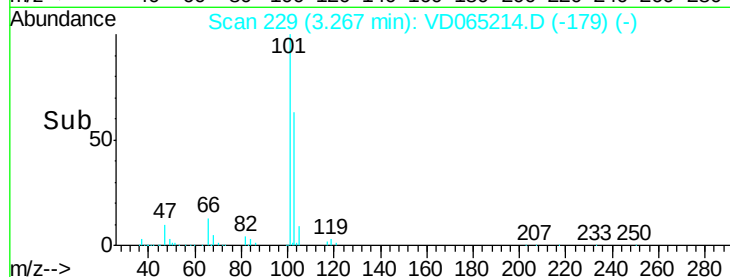
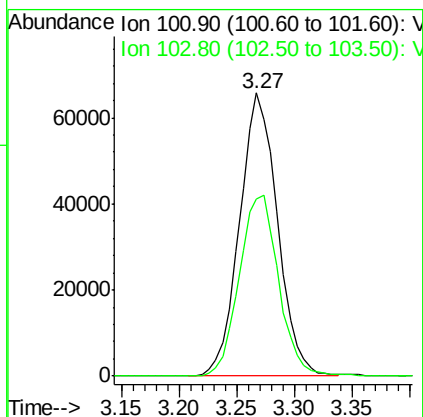
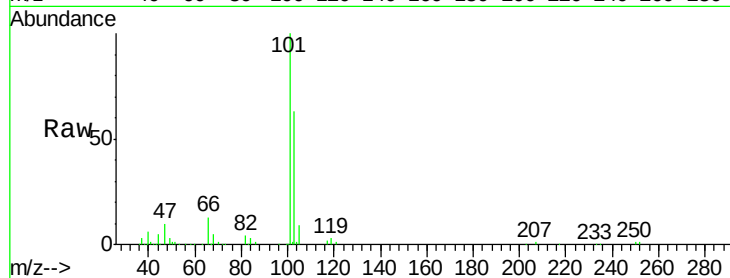
Trichlorofluoromethane
Concen: 20.232 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065214.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.7	76.1

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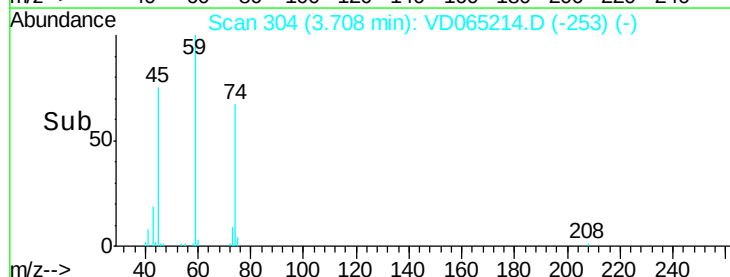
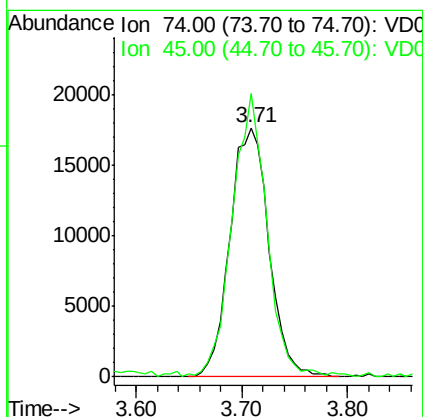
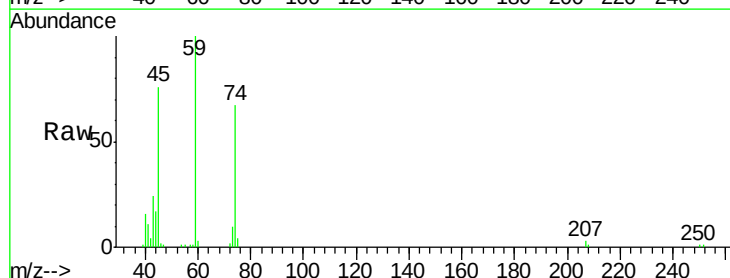
MMDadoda
2/19/2020 1:44:06 PM

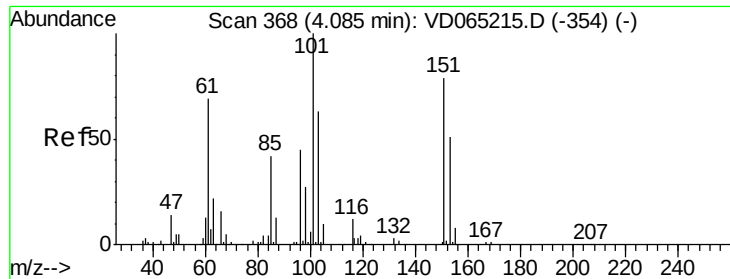


#8

Diethyl Ether
Concen: 20.045 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.5	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.448 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065214.D

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Instrument :

MSVOA_D

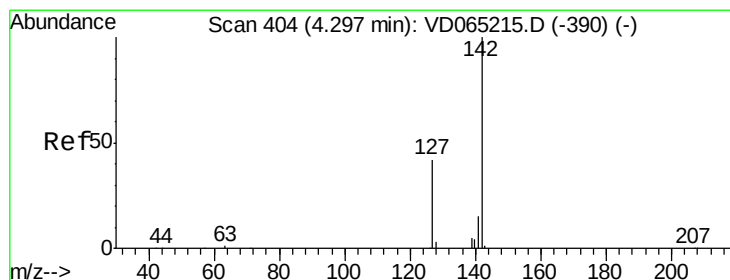
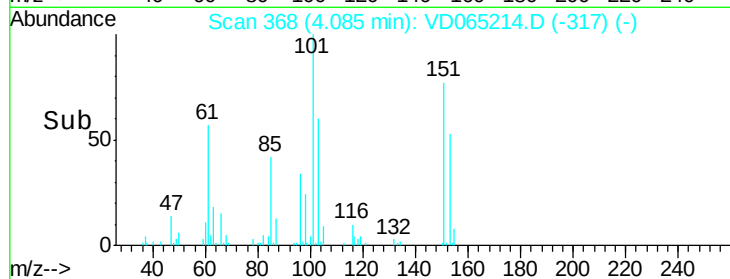
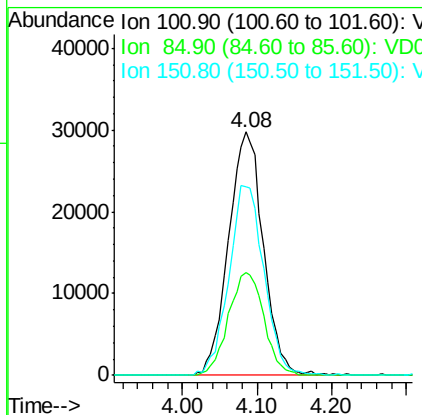
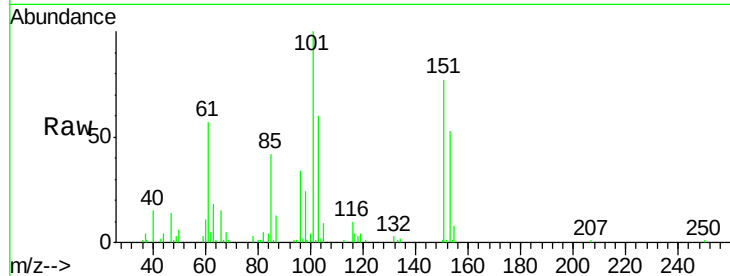
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	96197
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.2
151	78.8	63.5	95.3

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#10

Methyl Iodide

Concen: 19.323 ug/l

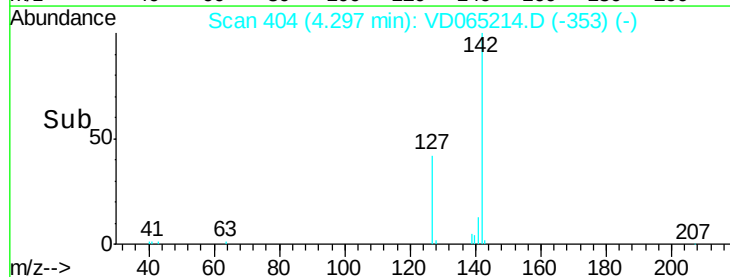
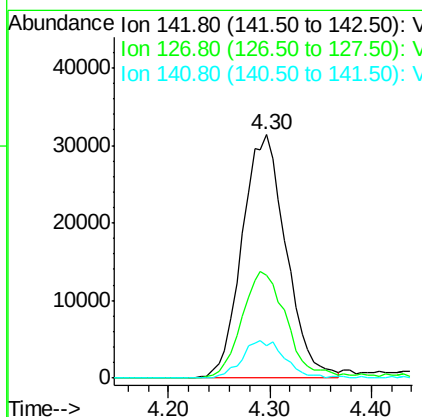
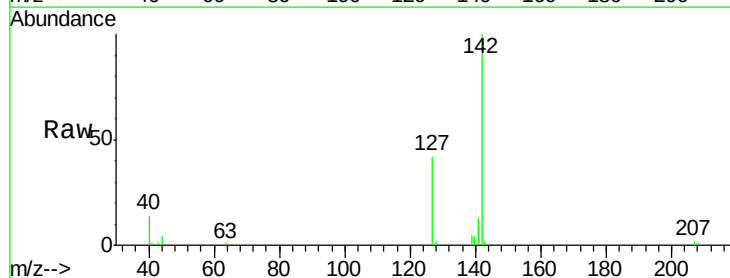
RT: 4.30 min Scan# 404

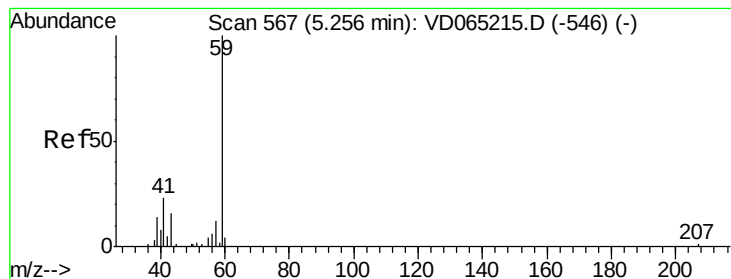
Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Tgt Ion:	142	Resp:	94388
Ion Ratio	Lower	Upper	
142	100		
127	44.8	33.8	50.8
141	14.8	11.7	17.5





#11

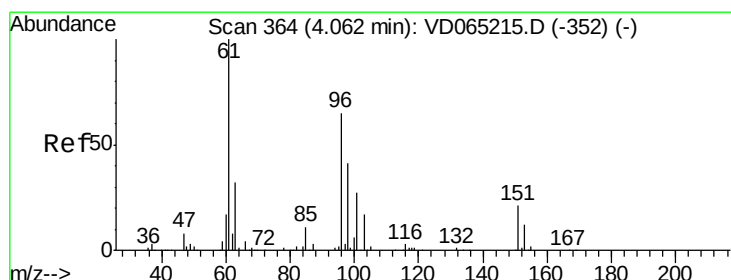
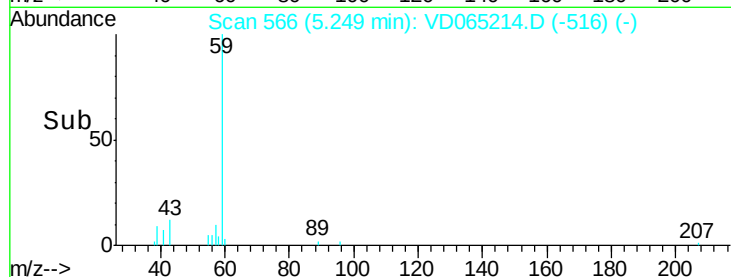
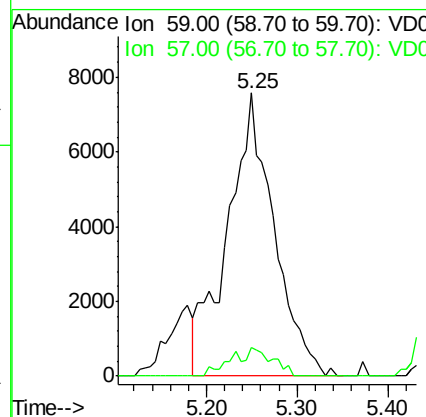
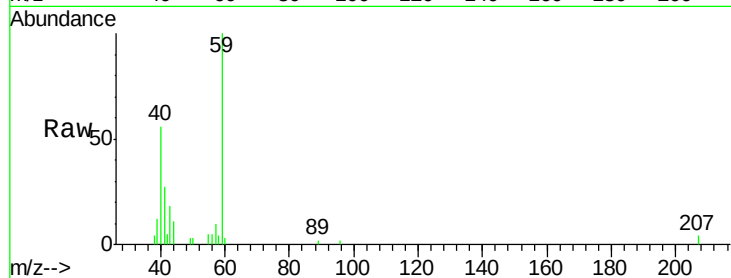
Tert butyl alcohol
 Concen: 104.542 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	26938		
57	5.6		8.4	12.6#

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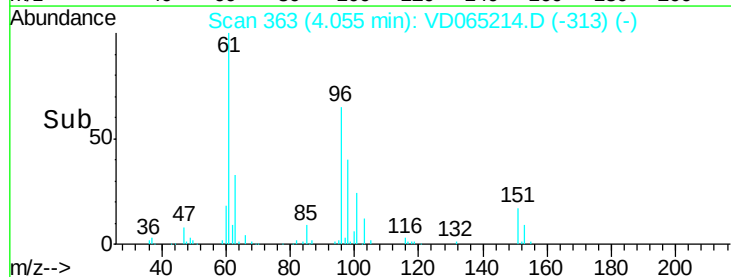
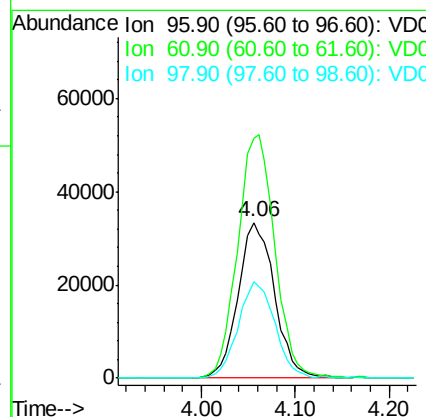
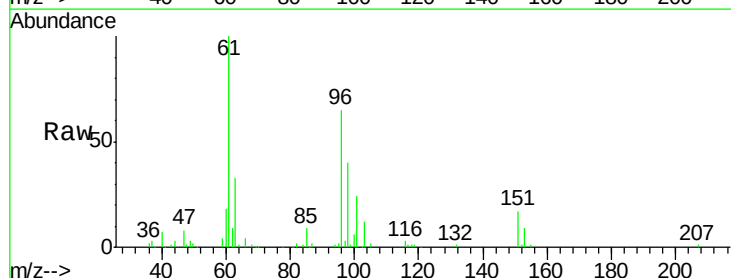
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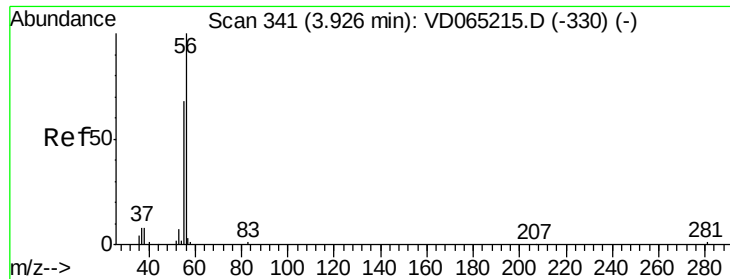


#12

1,1-Dichloroethene
 Concen: 20.159 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	89592		
61	153.8		123.3	184.9
98	61.6		51.0	76.4





#13

Acrolein

Concen: 115.597 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 44343

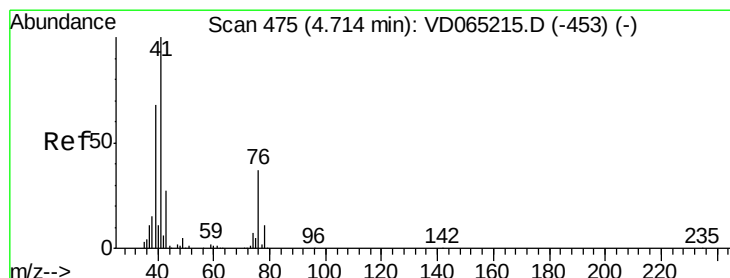
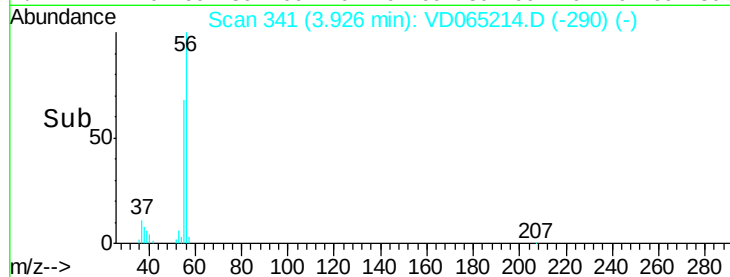
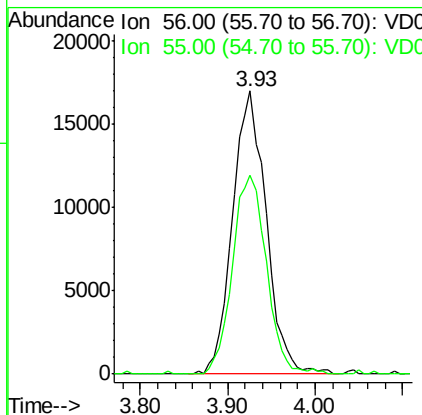
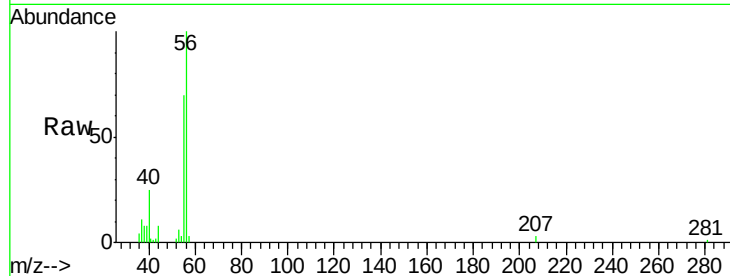
Ion Ratio Lower Upper

56 100

55 70.6 56.6 85.0

Manual Integrations
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#14

Allyl chloride

Concen: 19.784 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

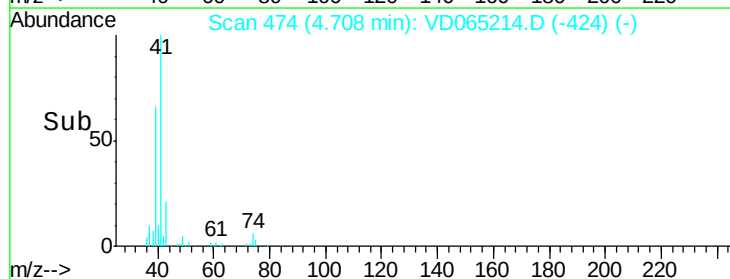
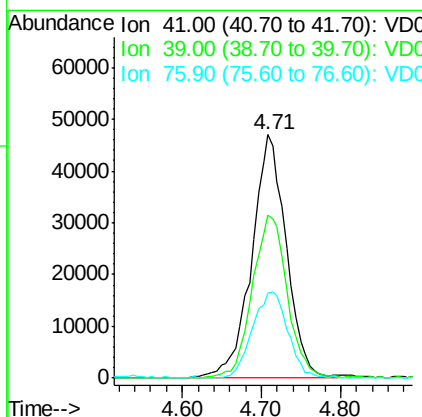
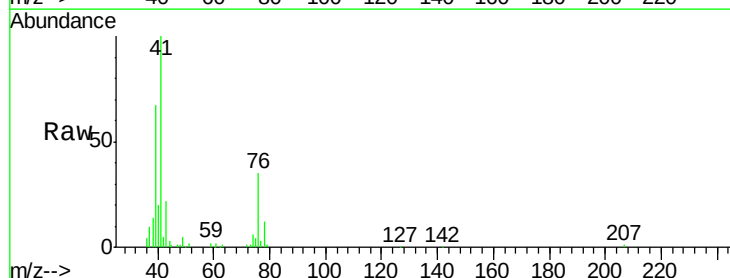
Tgt Ion: 41 Resp: 142778

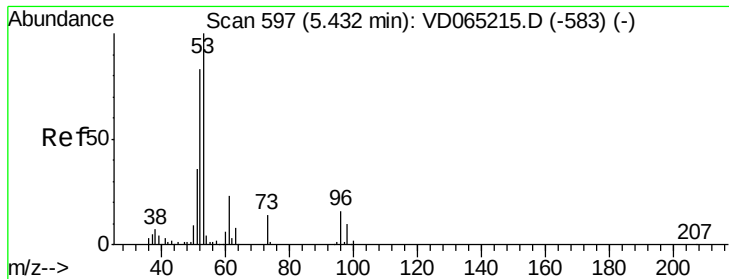
Ion Ratio Lower Upper

41 100

39 67.9 53.8 80.6

76 36.3 28.7 43.1





#15

Acrylonitrile

Concen: 101.787 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

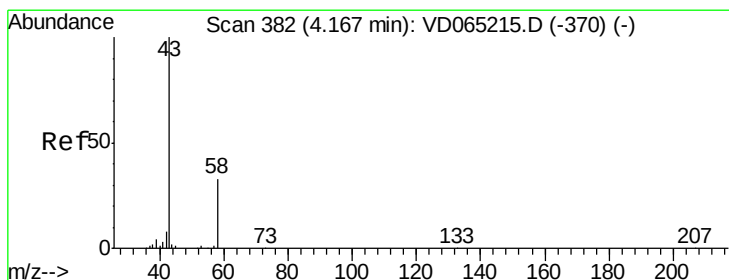
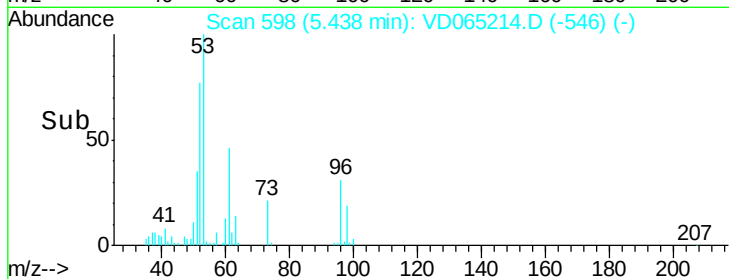
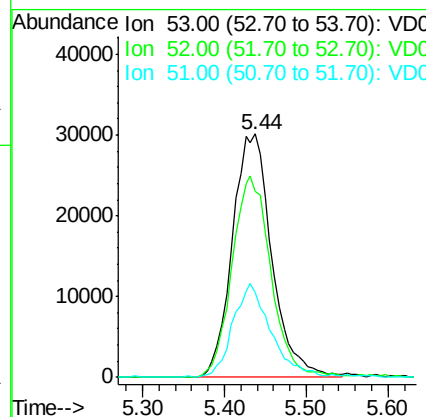
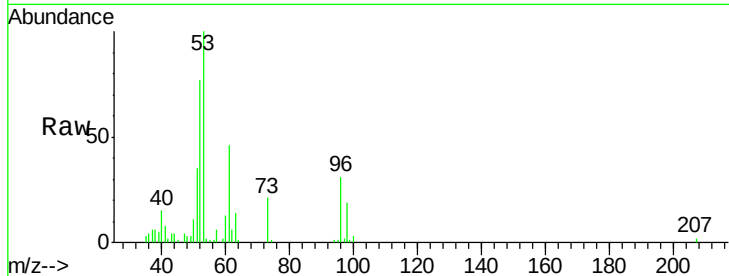
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	101339
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.4	98.2
51	36.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 88.939 ug/l

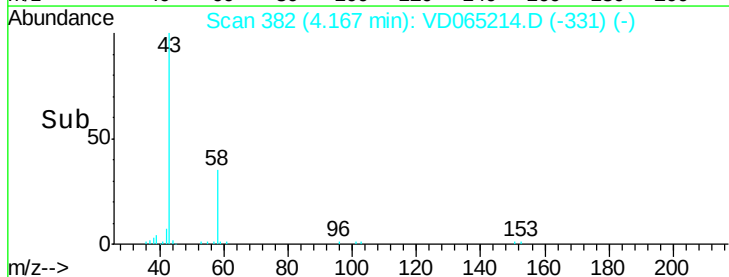
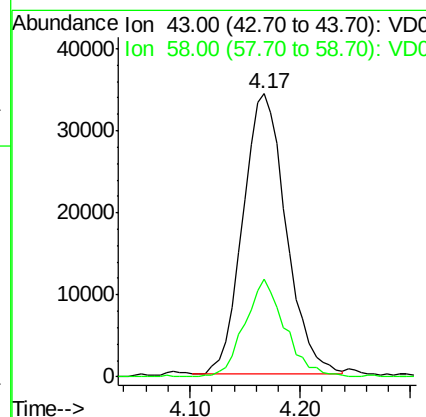
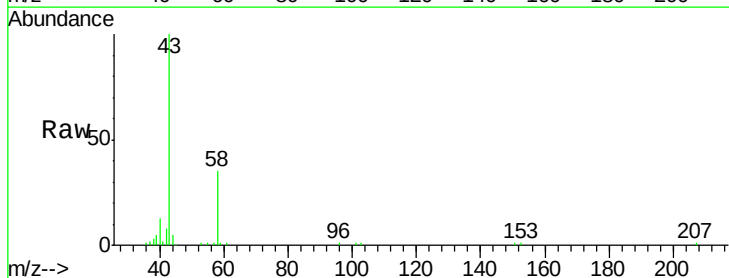
RT: 4.17 min Scan# 382

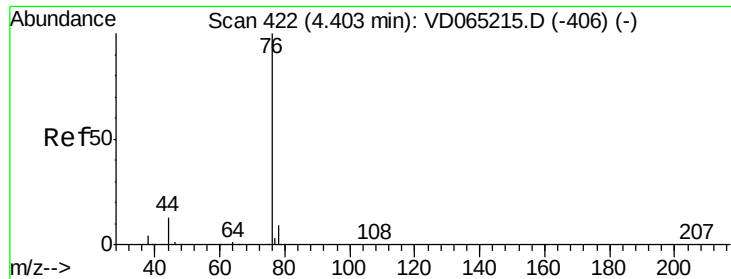
Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Tgt Ion:	43	Resp:	93750
Ion	Ratio	Lower	Upper
43	100		
58	34.9	26.2	39.2





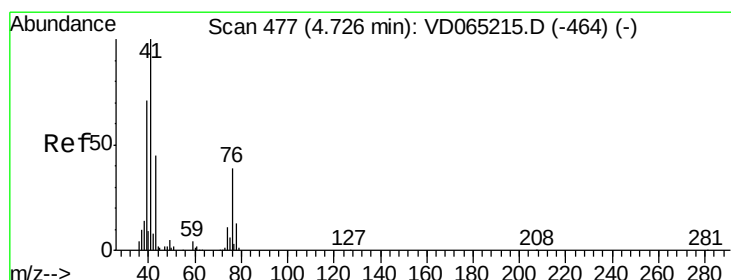
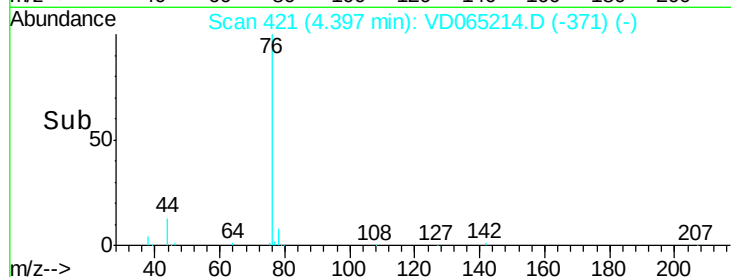
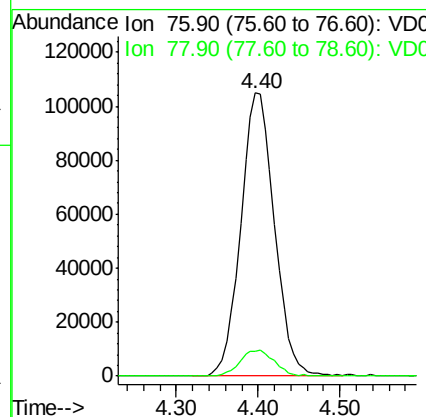
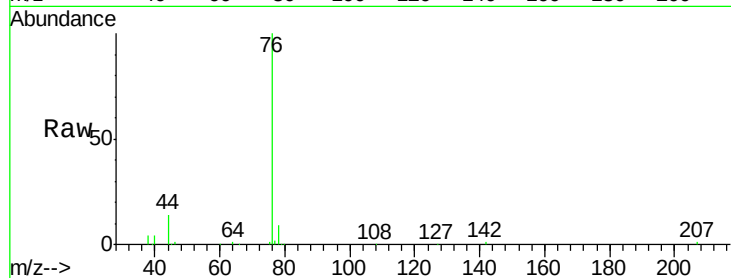
#17
Carbon Disulfide
Concen: 20.132 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

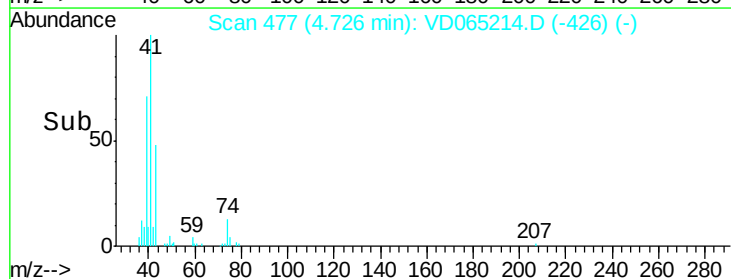
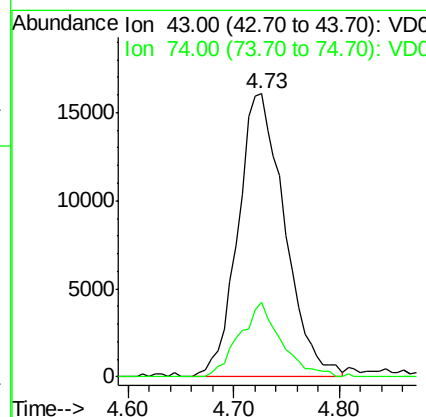
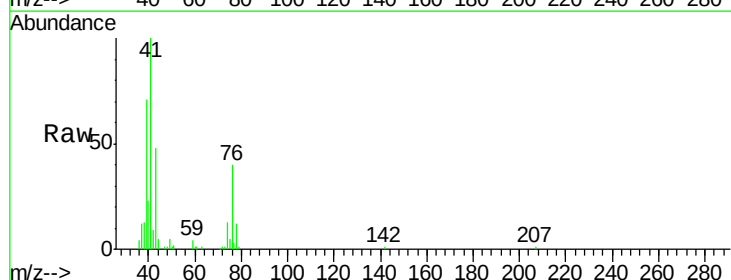
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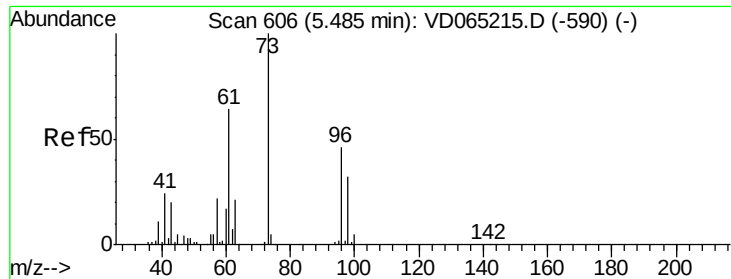
MMDadoda
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#18
Methyl Acetate
Concen: 20.779 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.4	29.2





#19

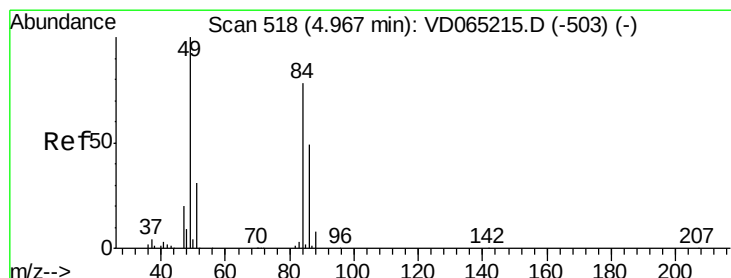
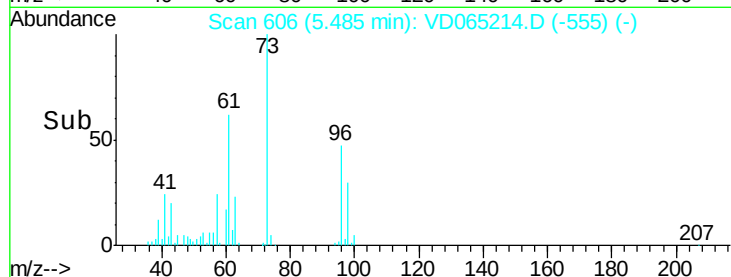
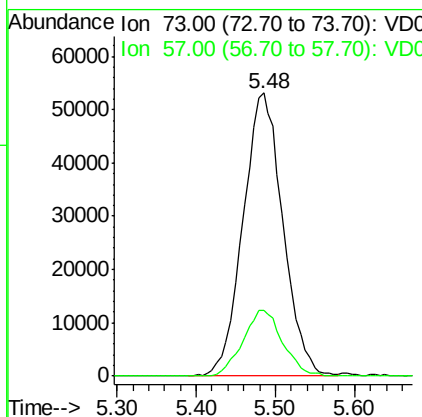
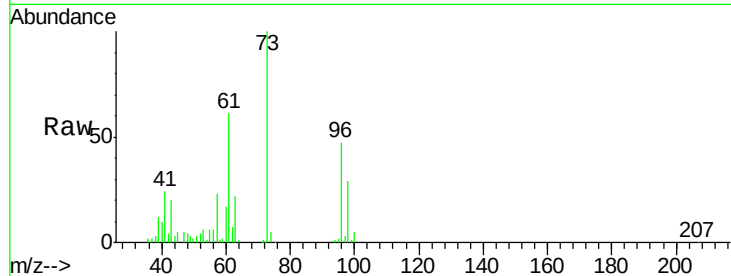
Methyl tert-butyl Ether
 Concen: 20.014 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	23.4	17.3	25.9

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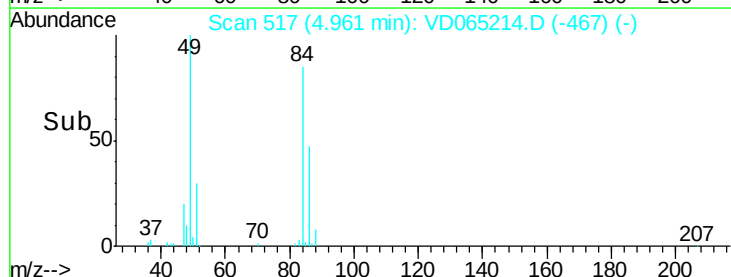
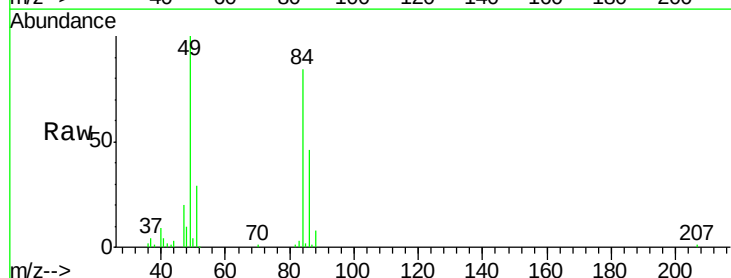
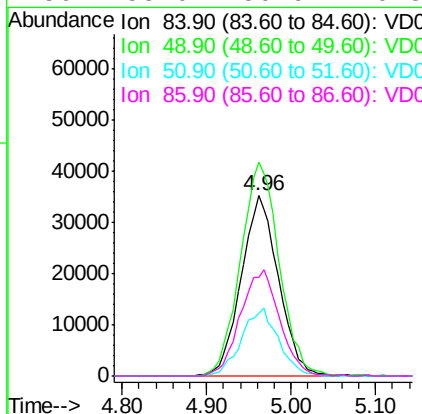
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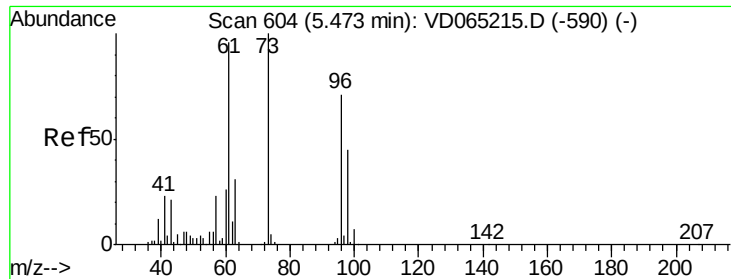


#20

Methylene Chloride
 Concen: 20.123 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	118.7	103.1	154.7
51	51	34.9	31.7	47.5
86	86	55.0	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 20.463 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

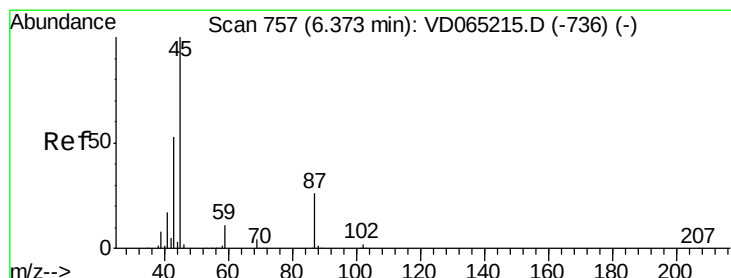
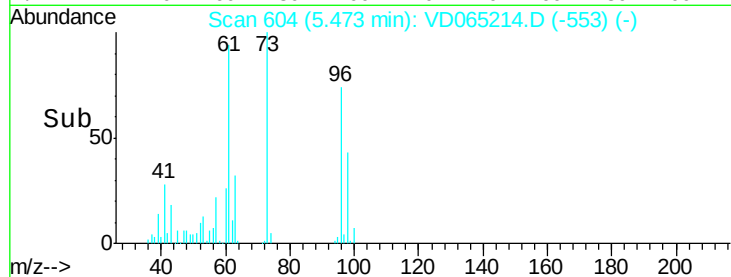
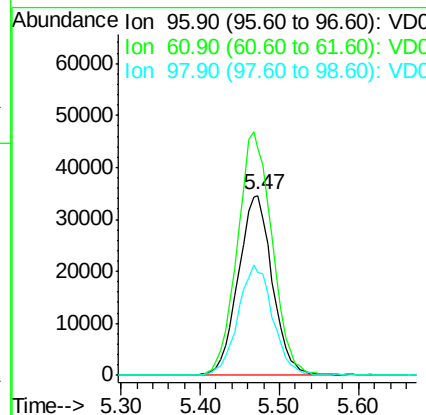
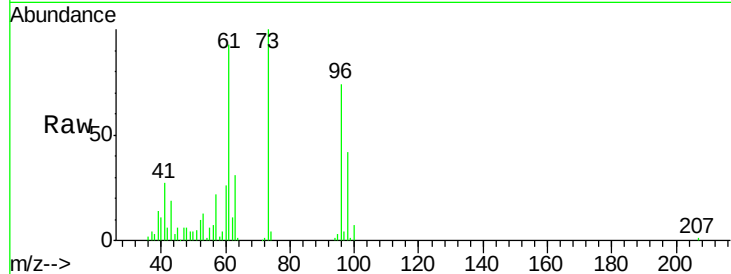
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	103383
Ion	Ratio	Lower	Upper
96	100		
61	126.3	108.3	162.5
98	57.2	50.7	76.1

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#22

Diisopropyl ether

Concen: 20.641 ug/l

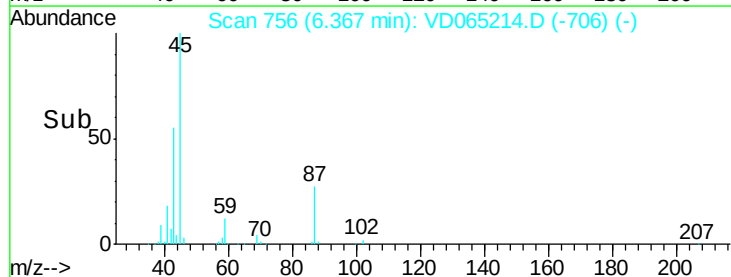
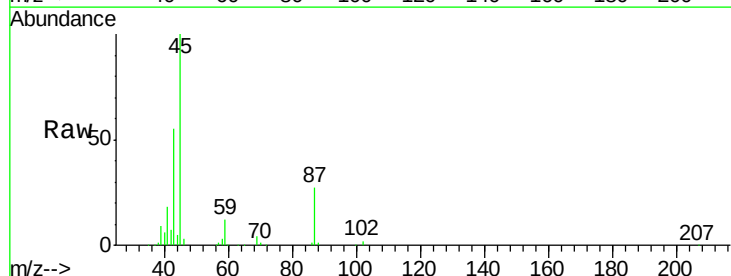
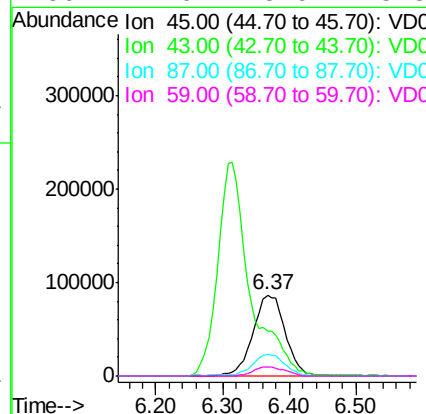
RT: 6.37 min Scan# 756

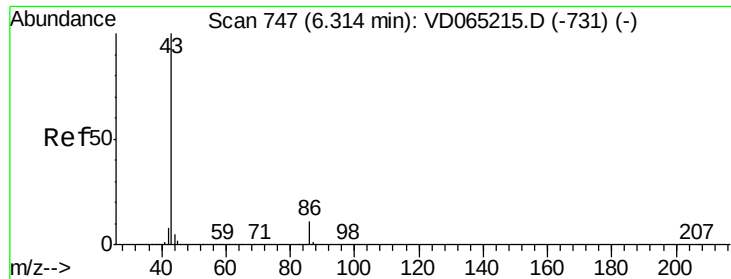
Delta R.T. -0.01 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Tgt Ion:	45	Resp:	287172
Ion	Ratio	Lower	Upper
45	100		
43	53.8	42.6	64.0
87	27.0	21.2	31.8
59	11.6	8.9	13.3





#23

Vinyl Acetate

Concen: 101.490 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 778421

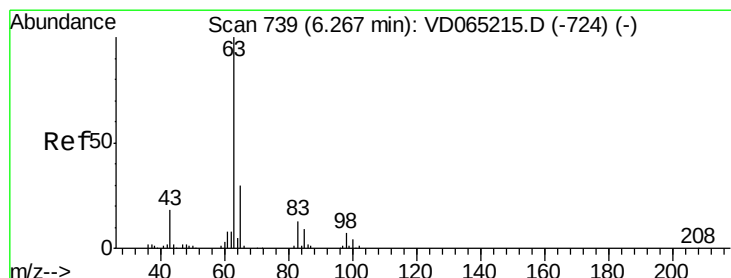
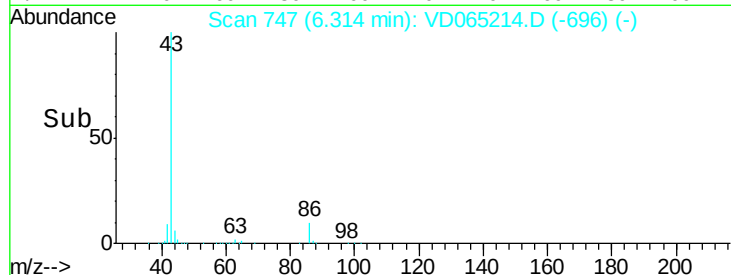
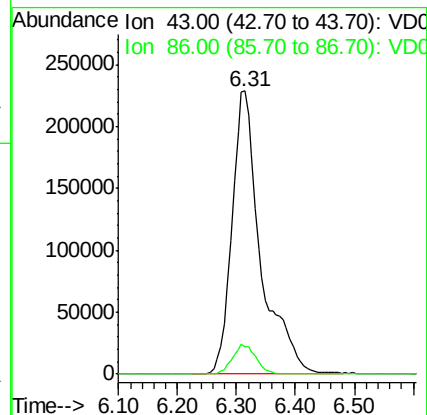
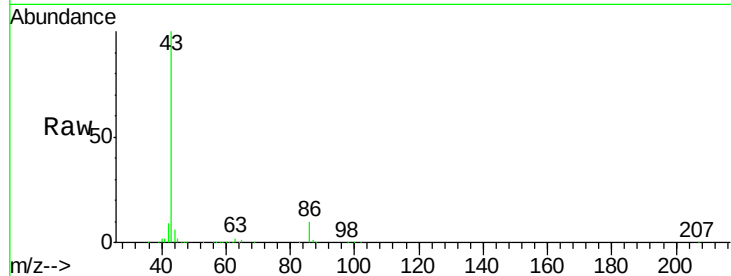
Ion Ratio Lower Upper

43 100

86 9.6 8.6 12.8

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 20.119 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

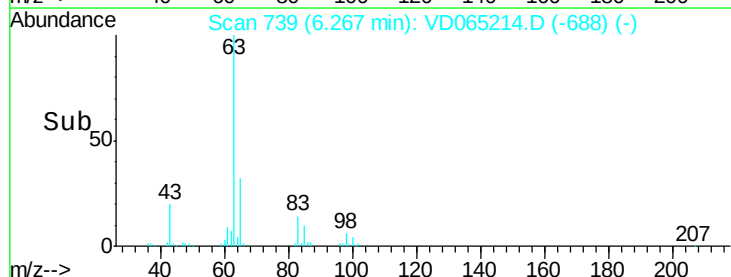
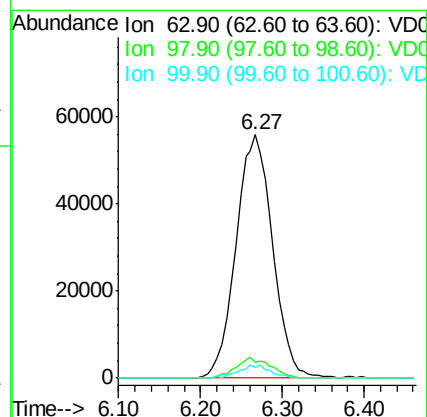
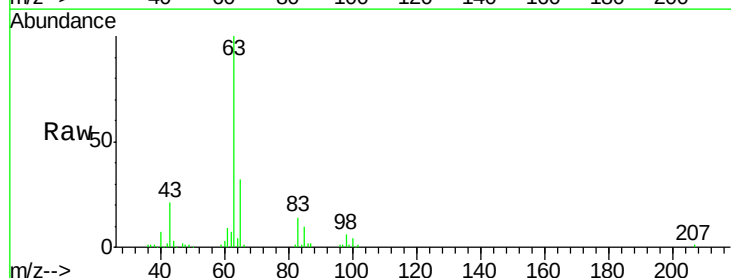
Tgt Ion: 63 Resp: 173613

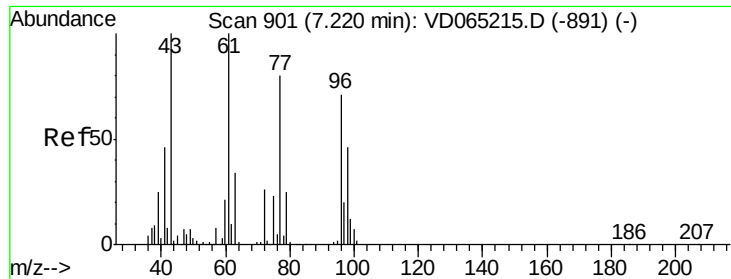
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 4.3 2.3 6.8





#25

2-Butanone

Concen: 96.262 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 128381

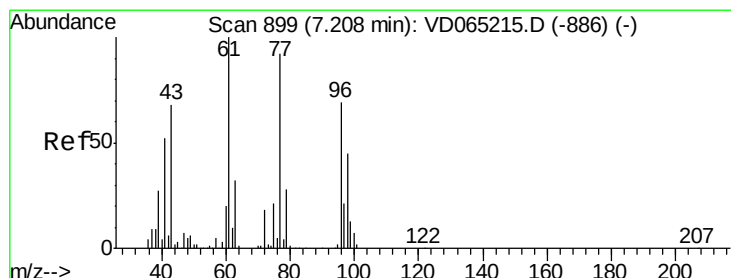
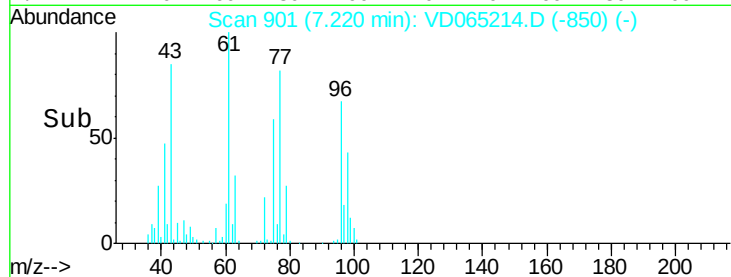
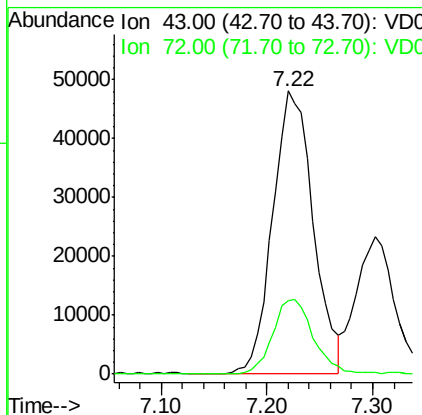
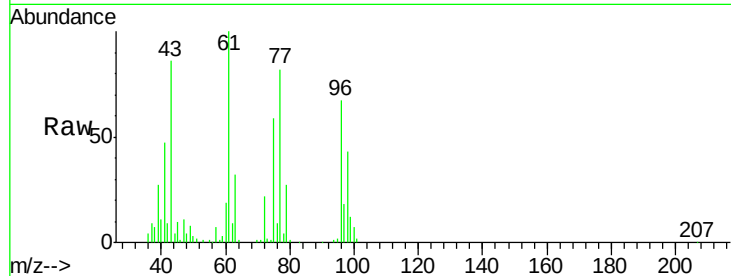
Ion Ratio Lower Upper

43 100

72 26.0 20.9 31.3

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 20.173 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065214.D

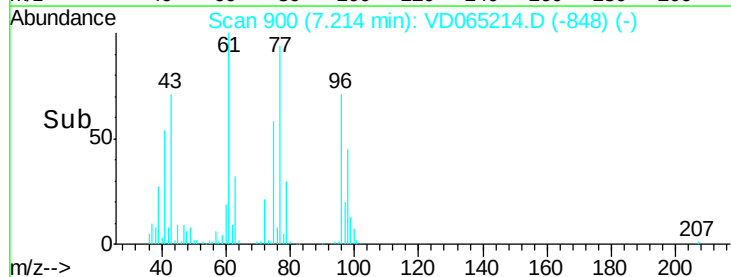
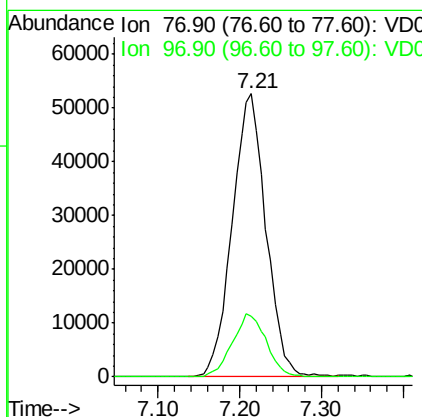
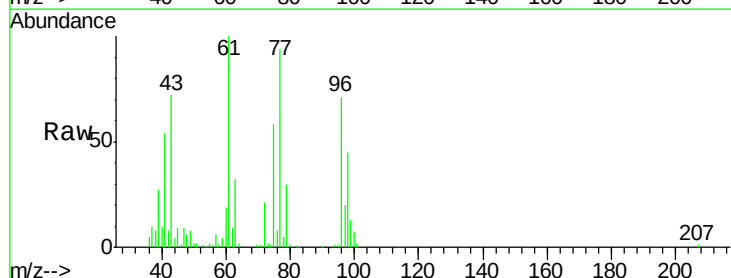
Acq: 18 Feb 2020 11:30

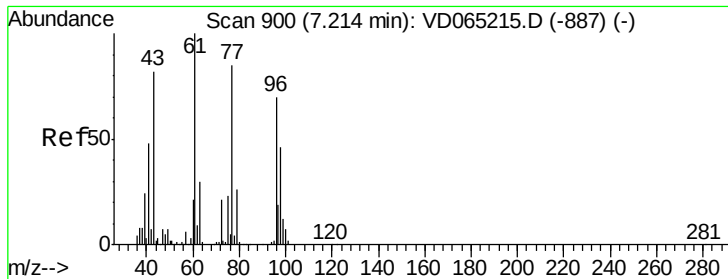
Tgt Ion: 77 Resp: 151040

Ion Ratio Lower Upper

77 100

97 22.5 11.7 35.1





#27

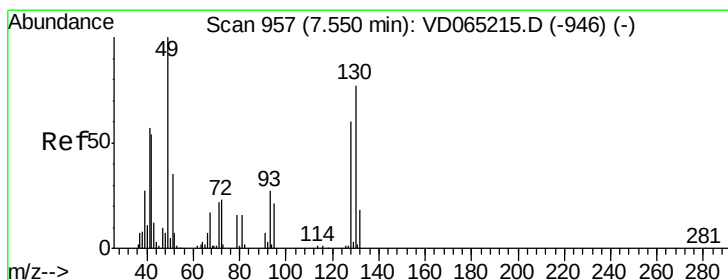
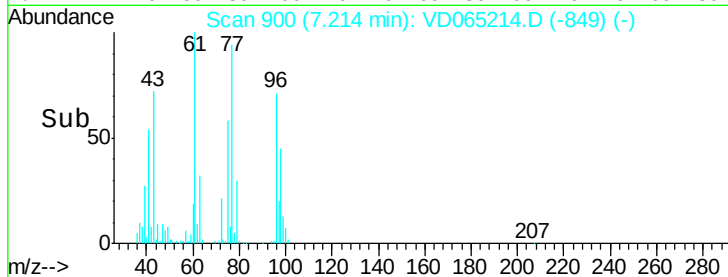
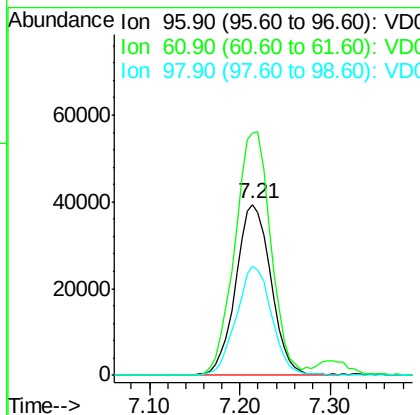
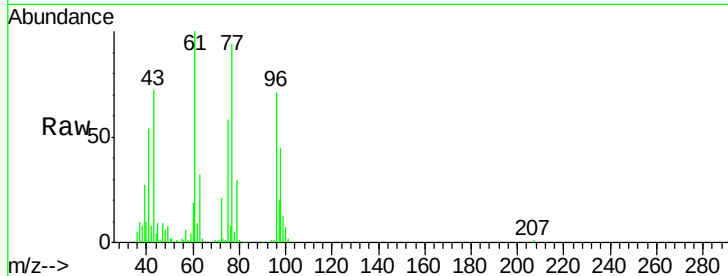
cis-1,2-Dichloroethene
Concen: 19.942 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.2	0.0	286.0	
98	64.0	0.0	127.8	

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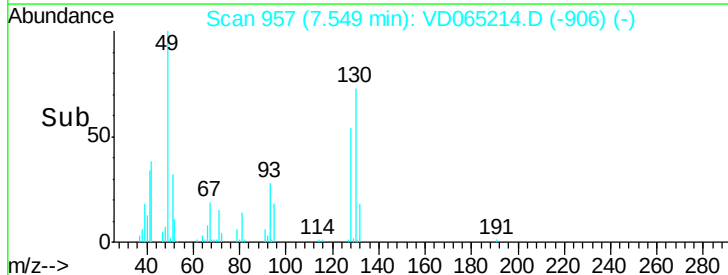
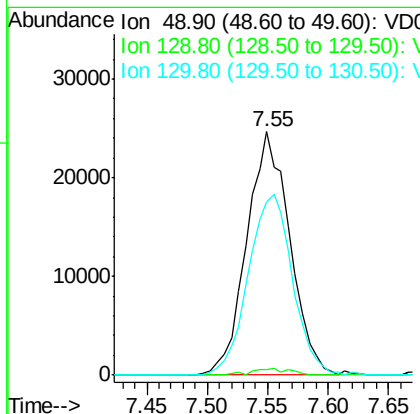
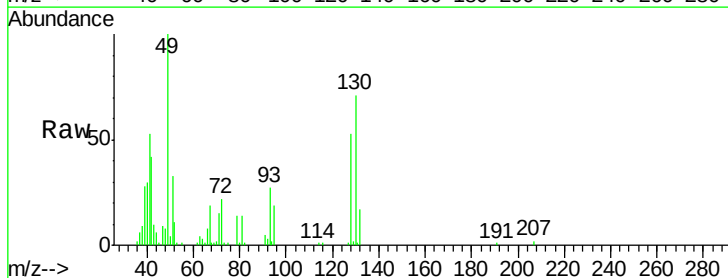
MMDadoda
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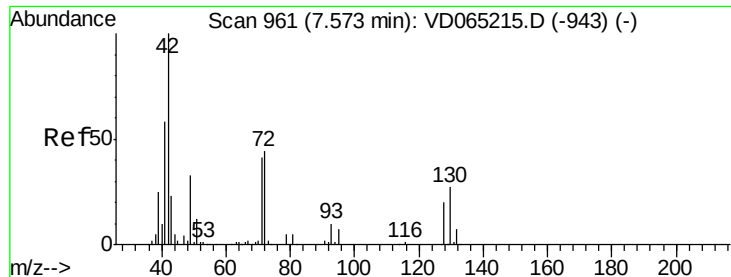


#28

Bromochloromethane
Concen: 19.058 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	4.6	
130	76.5	64.7	97.1	





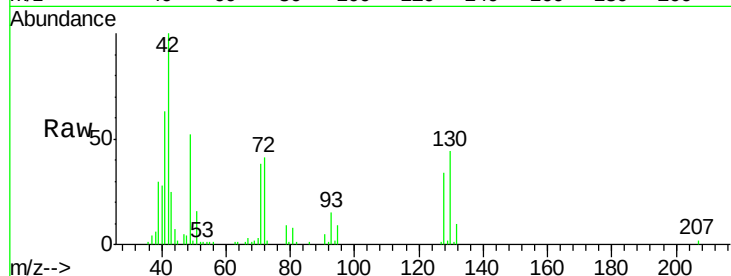
#29
Tetrahydrofuran
Concen: 101.648 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

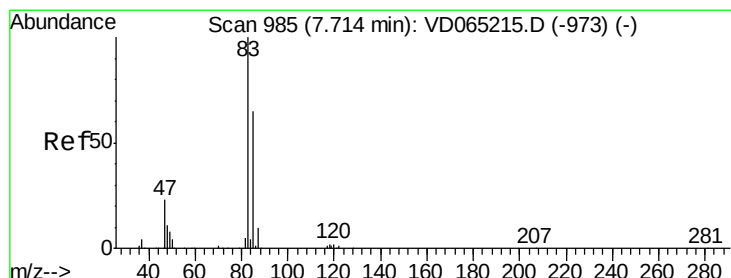
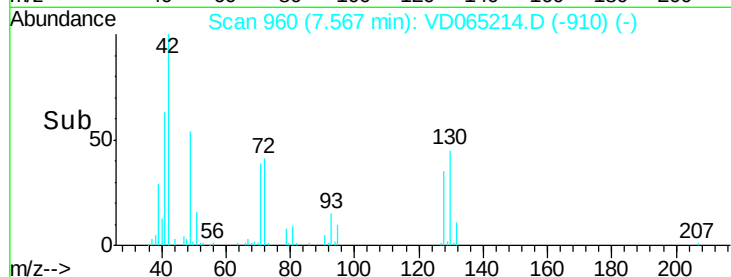
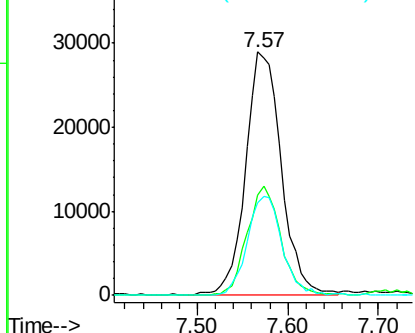
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.7	50.5
71	39.5	31.4	47.2

Manual Integrations
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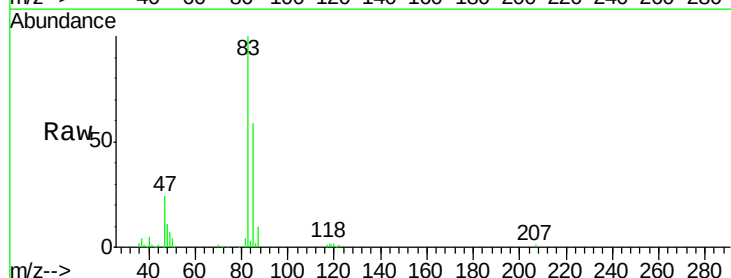


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

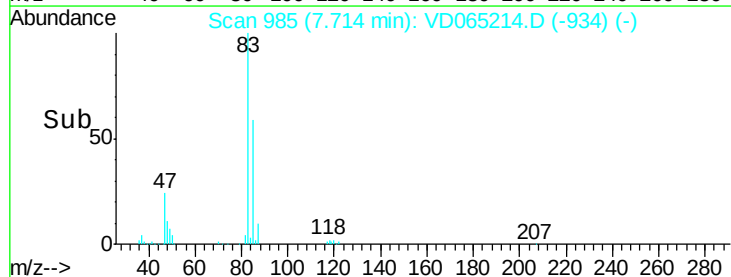
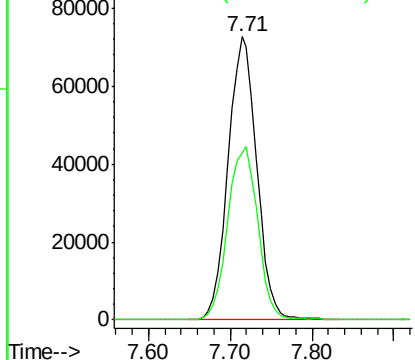


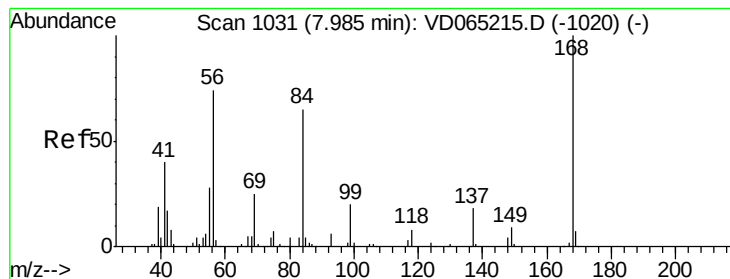
#30
Chloroform
Concen: 20.417 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.1	52.3	78.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 20.065 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

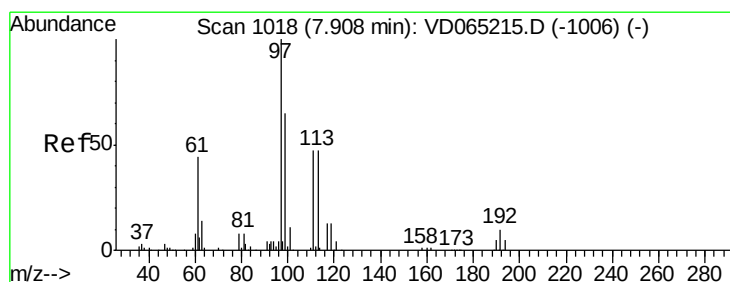
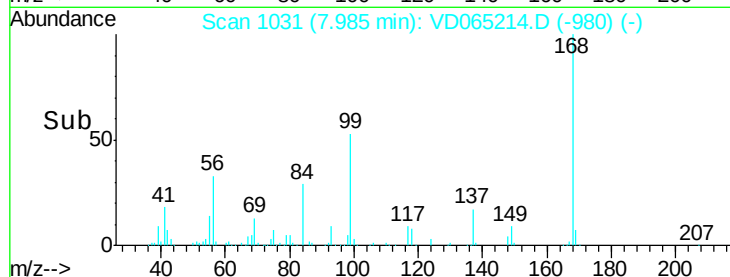
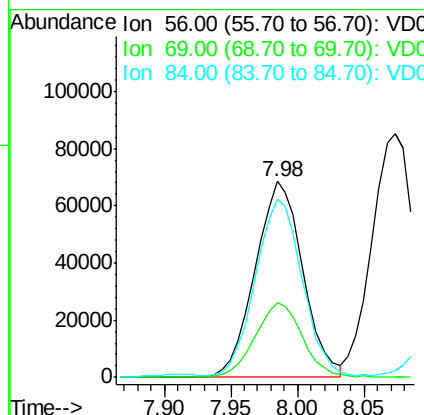
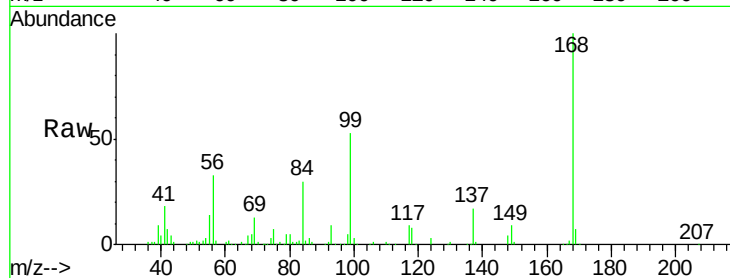
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	170127
Ion Ratio	Lower	Upper	
56	100		
69	38.4	27.4	41.0
84	89.7	71.1	106.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.372 ug/l

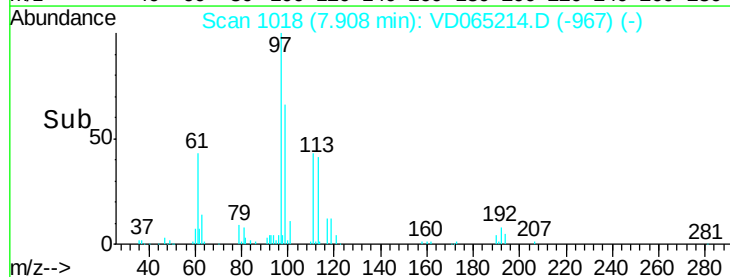
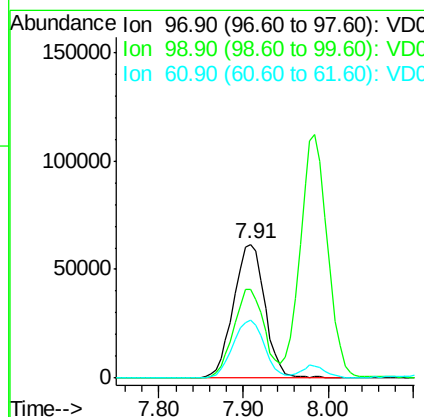
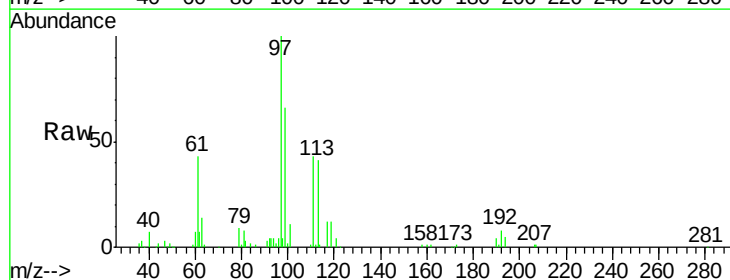
RT: 7.91 min Scan# 1018

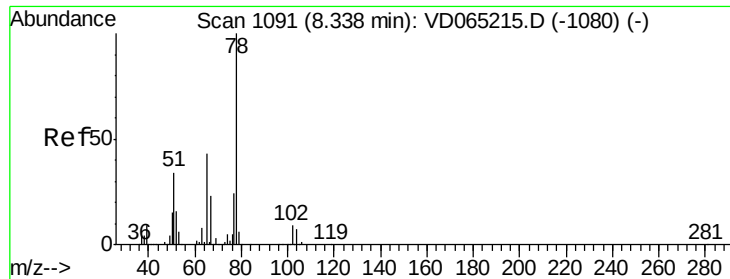
Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Tgt Ion:	97	Resp:	158466
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.4	77.2
61	43.1	34.8	52.2





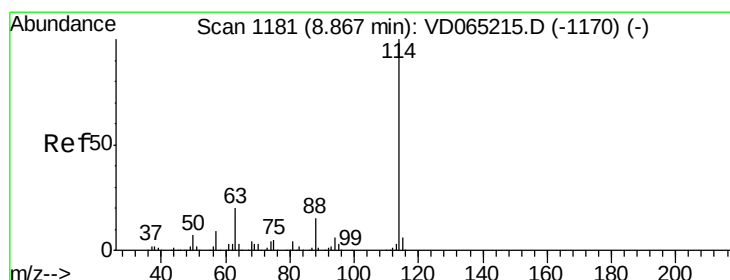
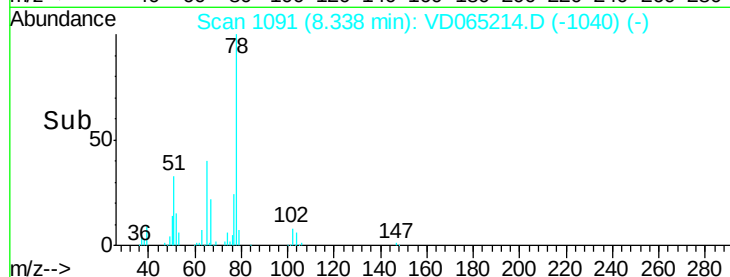
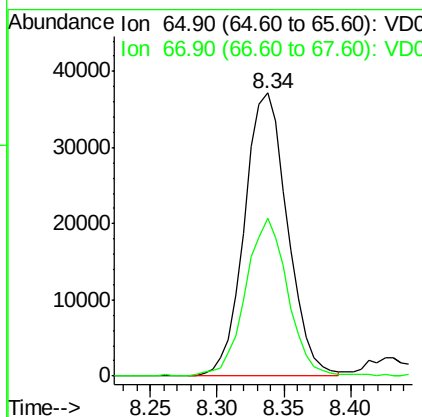
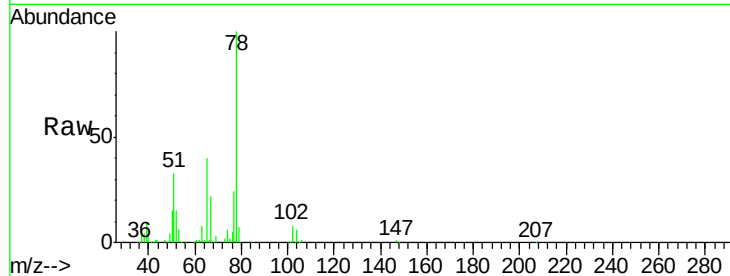
#33
 1,2-Dichloroethane-d4
 Concen: 19.239 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	106.8

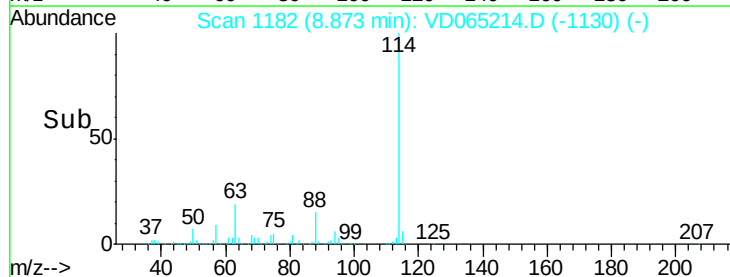
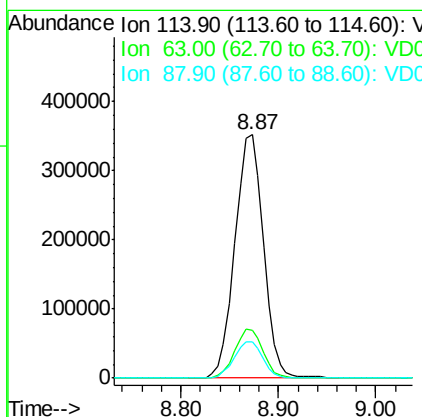
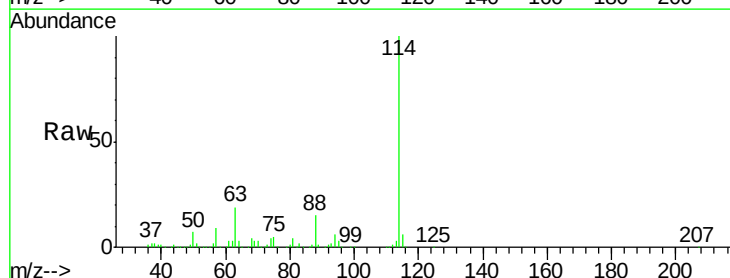
Manual Integrations
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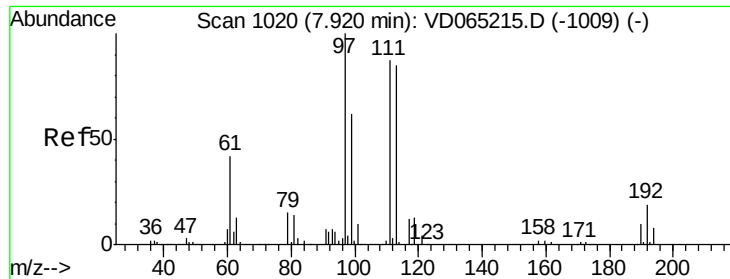
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.4
88	15.0	0.0	30.4





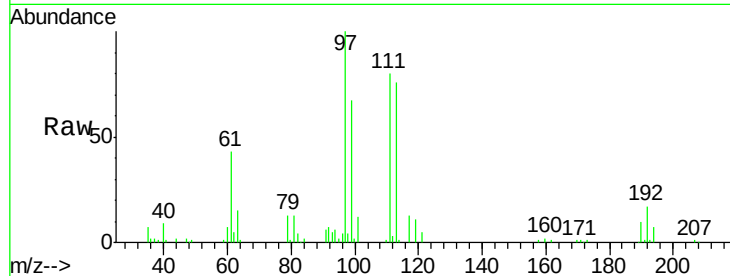
#35
 Dibromofluoromethane
 Concen: 19.157 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	21.0	17.3	25.9

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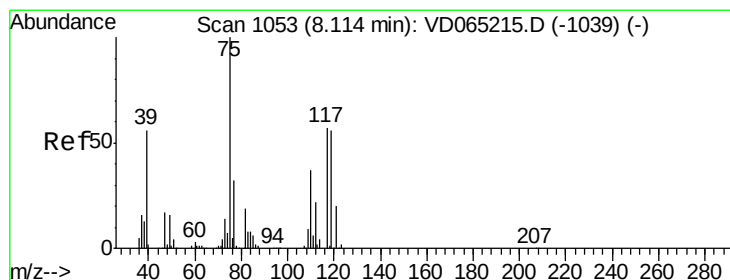
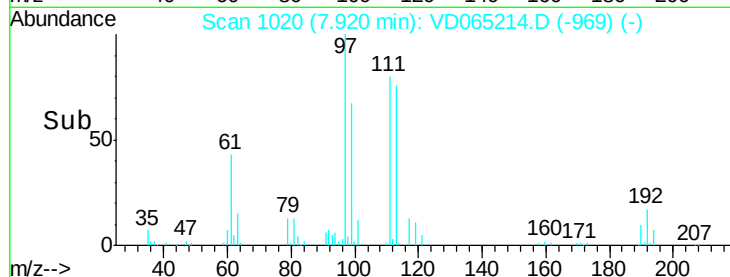
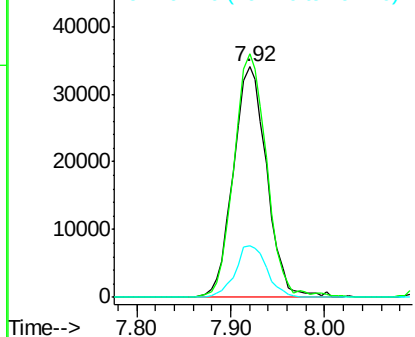


Abundance

Ion 112.80 (112.50 to 113.50): V

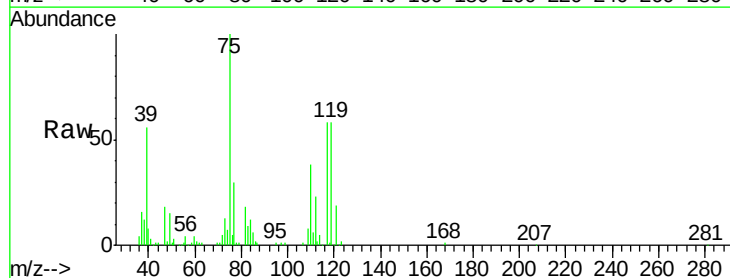
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 20.471 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.9	53.7
77	30.2	25.1	37.7

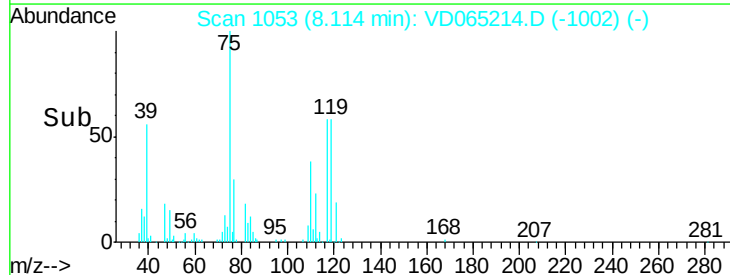
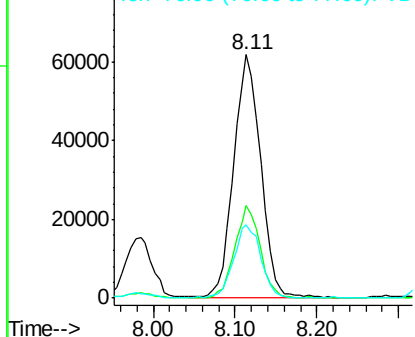


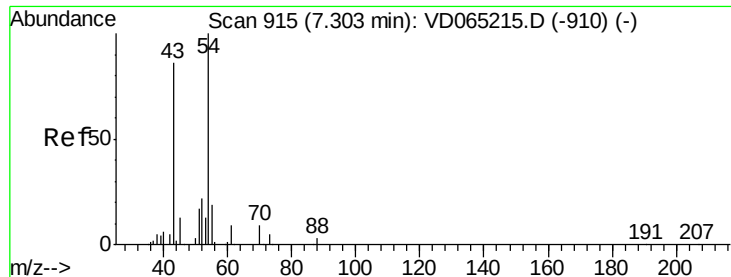
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





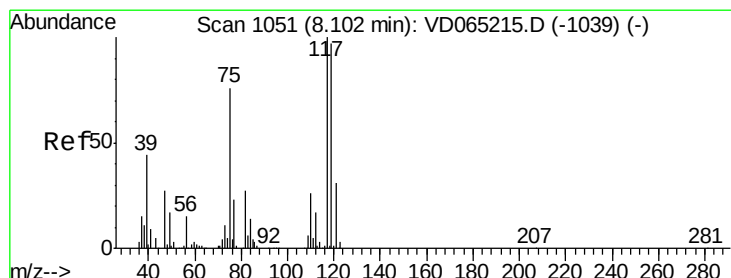
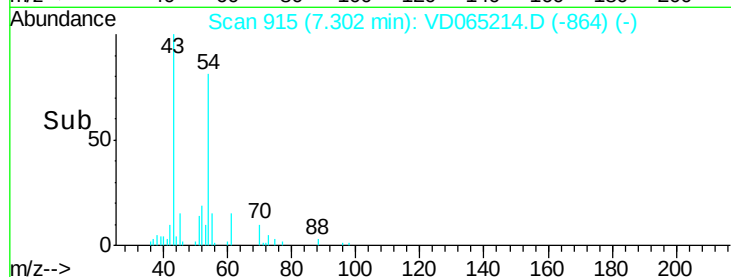
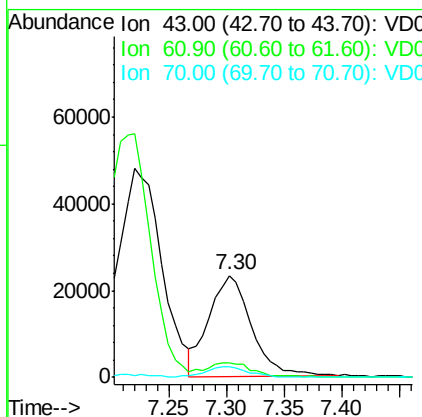
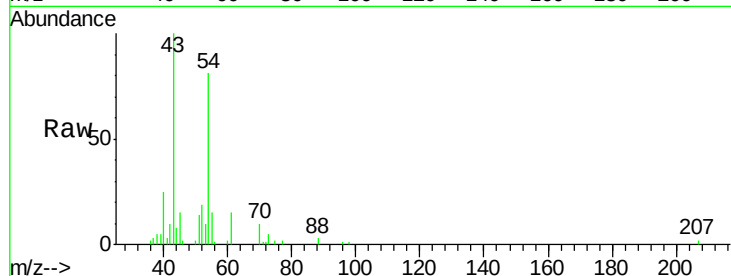
#37
Ethyl Acetate
Concen: 20.436 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.2	16.8
70	10.4	8.2	12.2

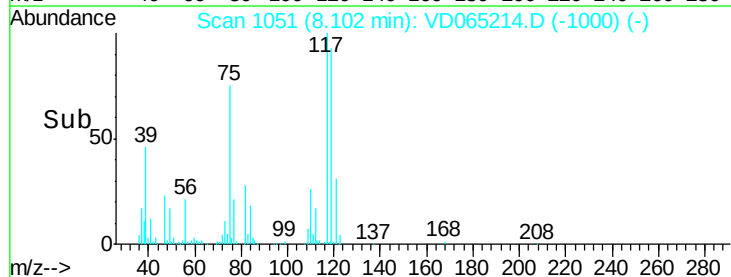
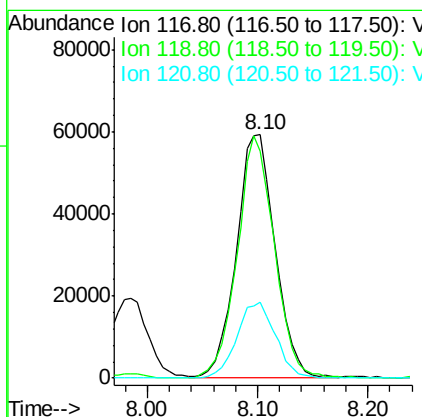
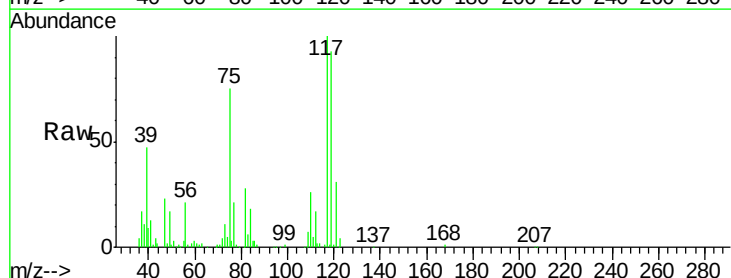
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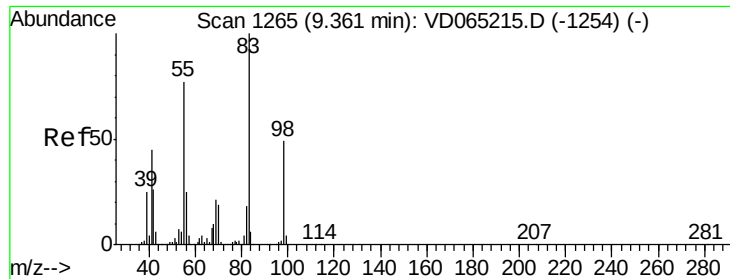
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#38
Carbon Tetrachloride
Concen: 20.318 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.6	116.4
121	31.2	24.8	37.2





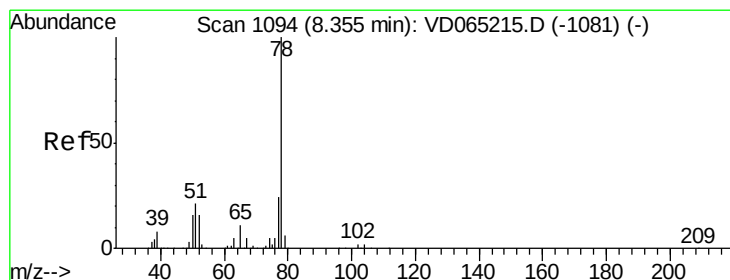
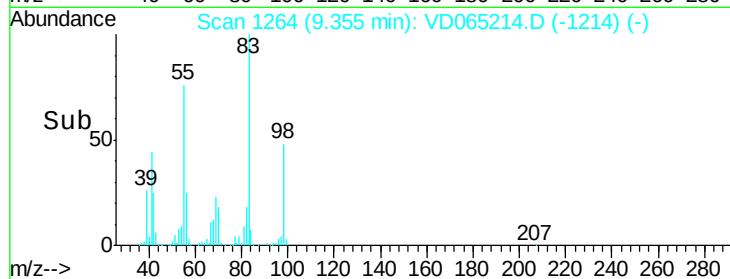
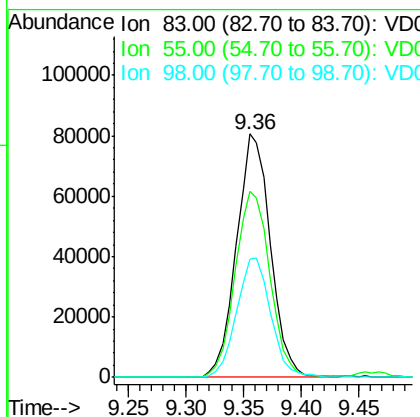
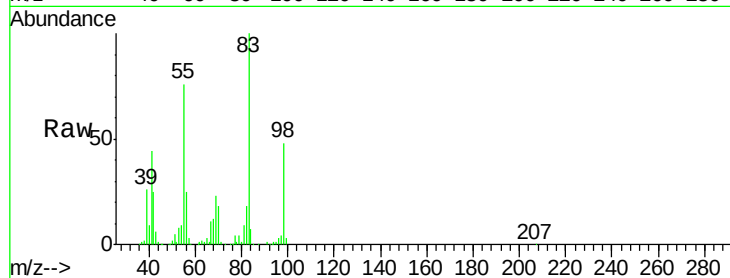
#39
Methylvlcyclohexane
Concen: 19.950 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	164479		
55	76.3		61.8	92.6
98	48.4		39.4	59.0

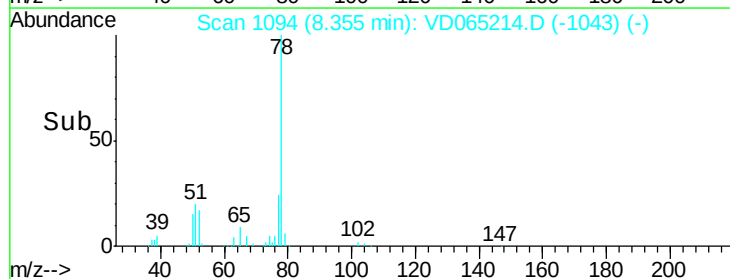
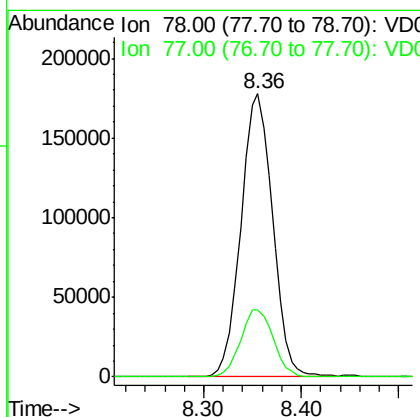
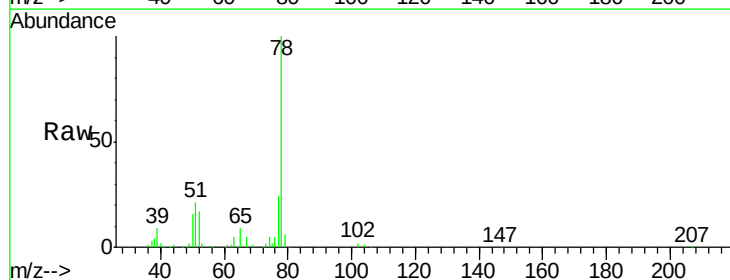
Manual Integrations
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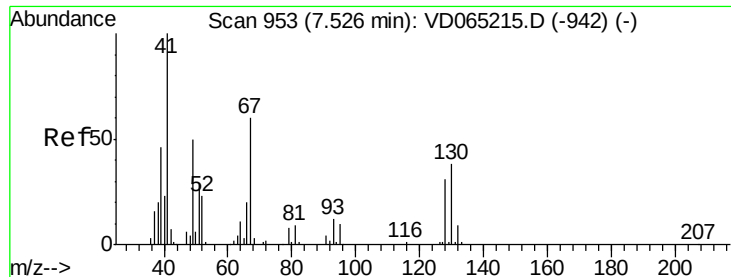
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#40
Benzene
Concen: 20.295 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	401731		
77	23.9		19.0	28.6





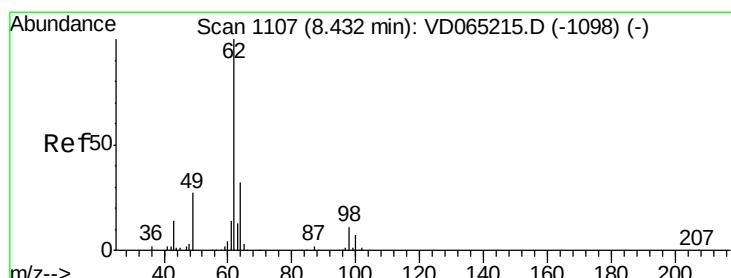
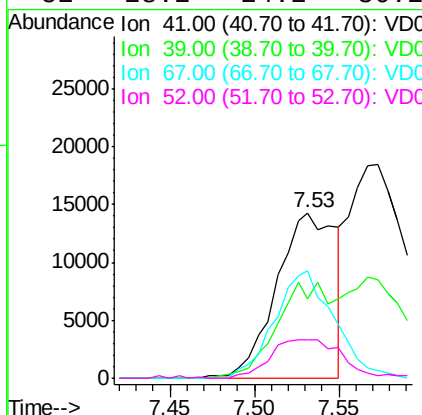
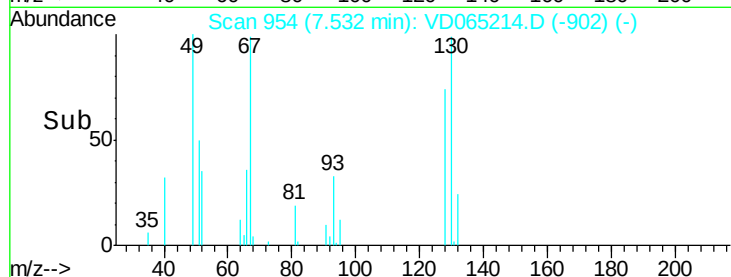
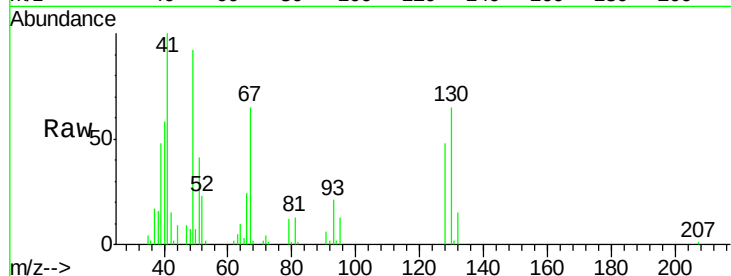
#41
Methacrylonitrile
Concen: 20.569 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.0	48.1	72.1	
67	65.4	58.9	88.3	
52	28.2	24.2	36.2	

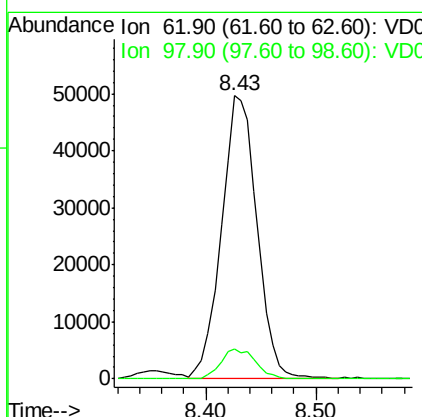
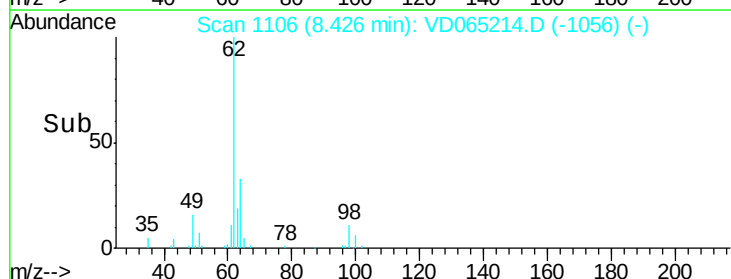
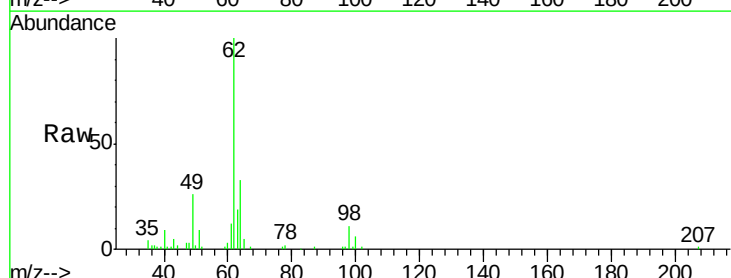
Manual Integrations
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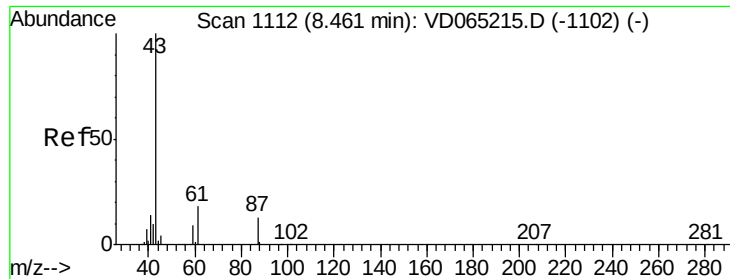
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#42
1,2-Dichloroethane
Concen: 20.367 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	20.6	





#43

Isopropyl Acetate

Concen: 19.776 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

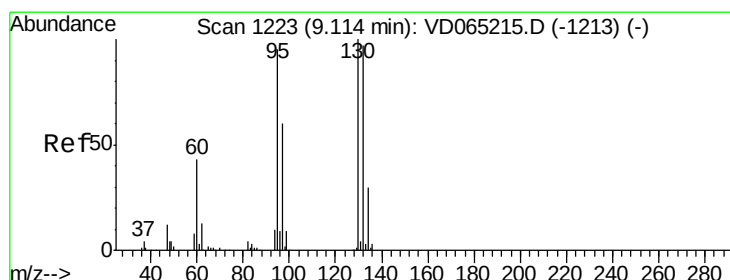
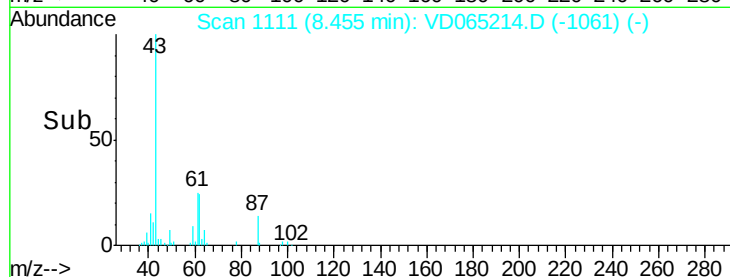
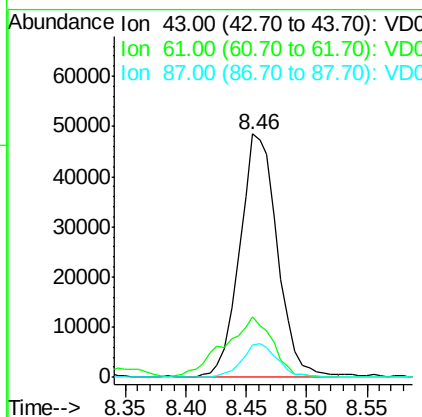
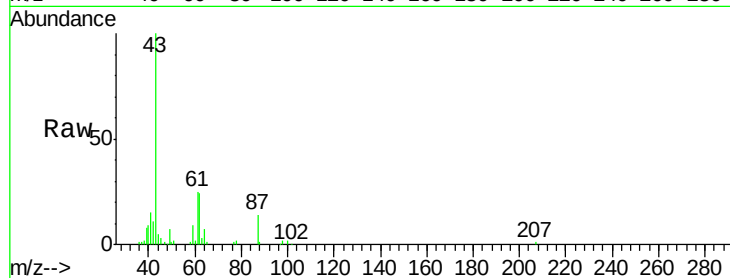
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	105431
Ion	Ratio	Lower	Upper
43	100		
61	32.1	24.6	36.8
87	13.3	10.6	16.0

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#44

Trichloroethene

Concen: 19.600 ug/l

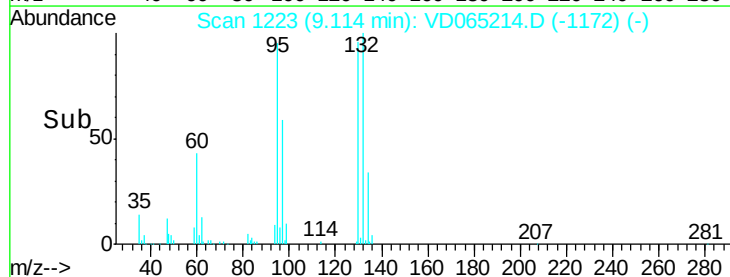
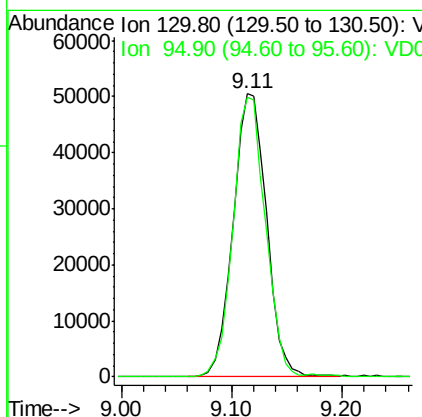
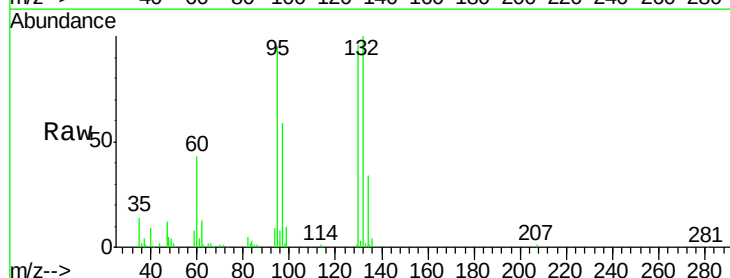
RT: 9.11 min Scan# 1223

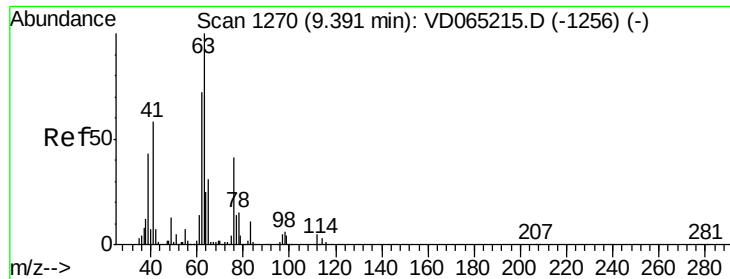
Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Tgt Ion:	130	Resp:	107546
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	190.6





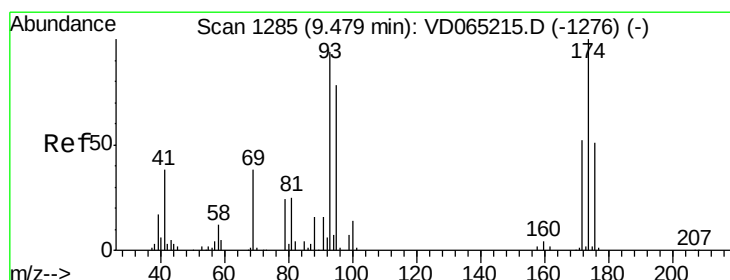
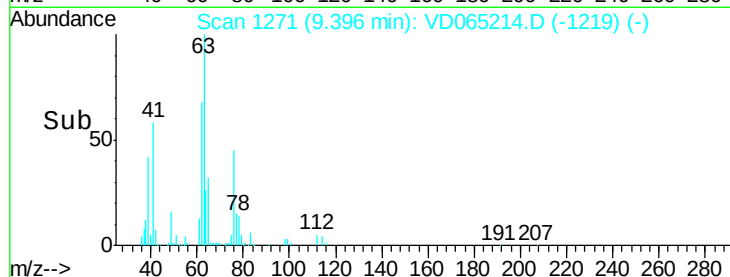
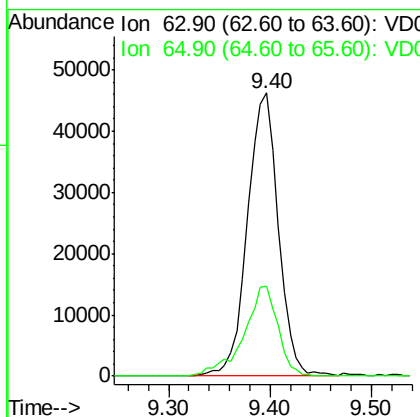
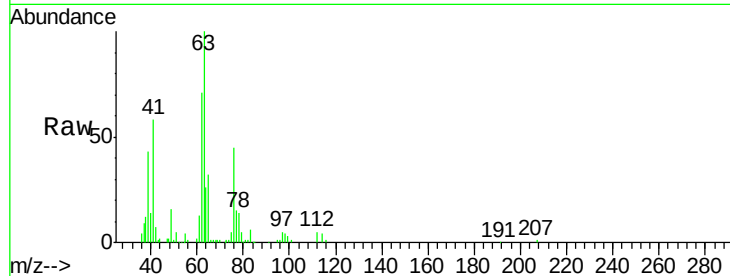
#45
 1,2-Dichloropropane
 Concen: 19.830 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 97604
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.9 37.3

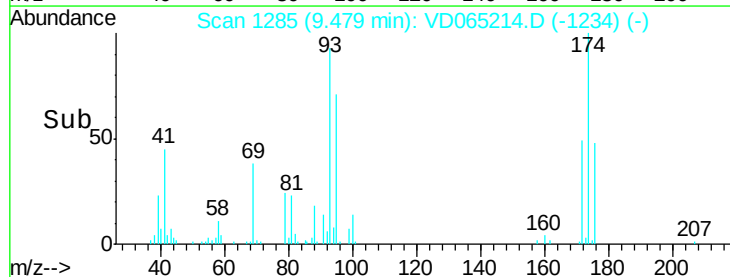
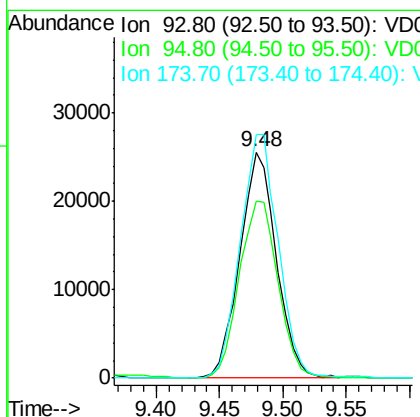
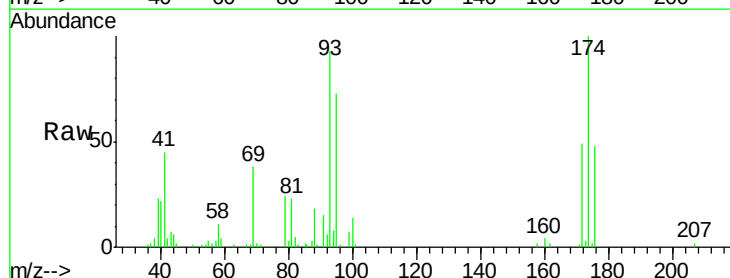
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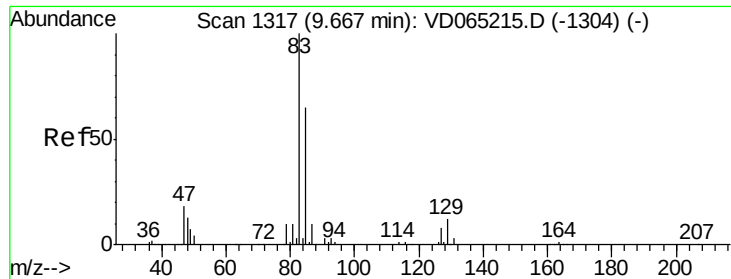
MMDadoda
 2/19/2020 1:44:06 PM



#46
 Dibromomethane
 Concen: 20.221 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion: 93 Resp: 51210
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.8 98.6
 174 111.9 86.8 130.2





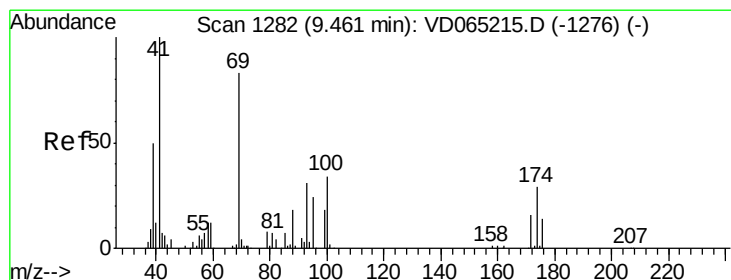
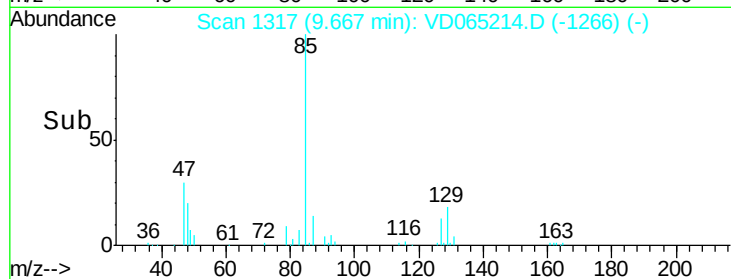
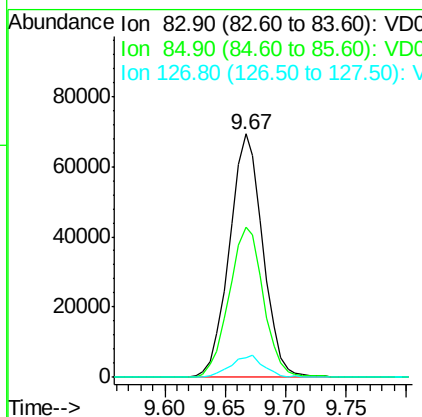
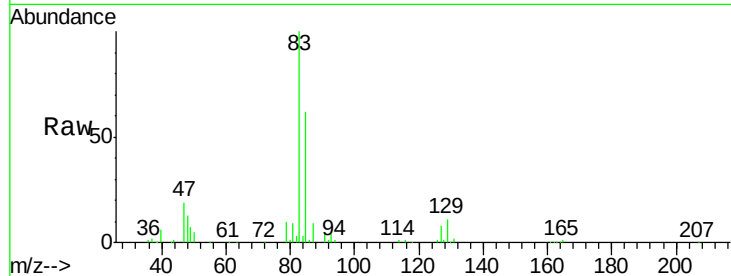
#47
Bromodichloromethane
Concen: 20.017 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	133592		
85	61.7	52.0	78.0	
127	8.0	6.7	10.1	

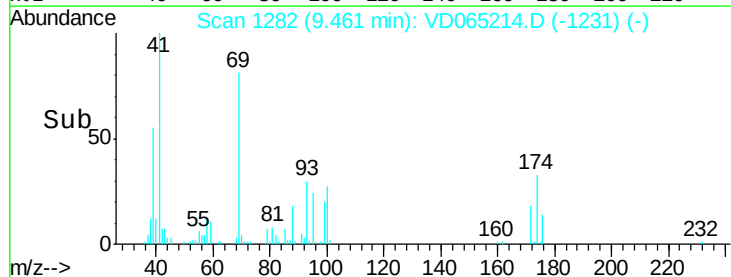
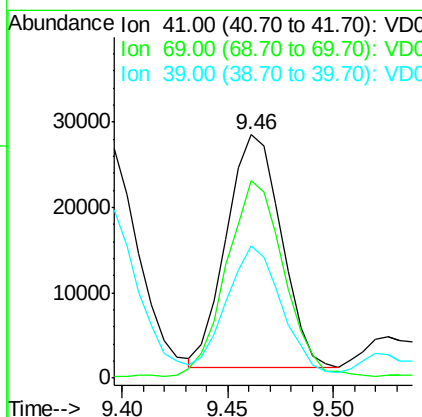
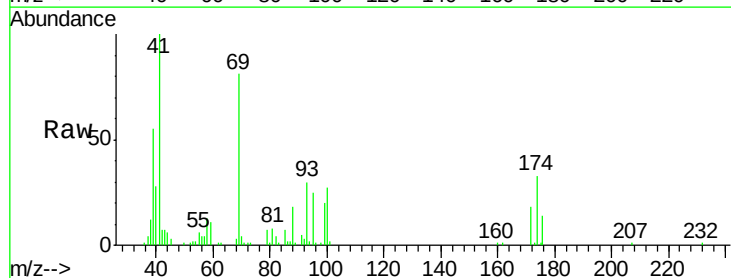
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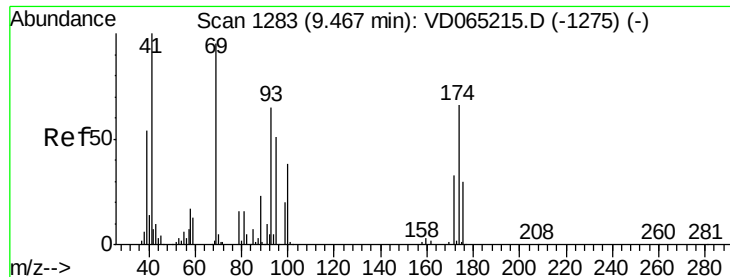
MMDadoda
2/19/2020 1:44:06 PM



#48
Methyl methacrylate
Concen: 19.941 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	49141		
69	87.9	68.2	102.2	
39	53.0	42.0	63.0	





#49

1,4-Dioxane

Concen: 417.202 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

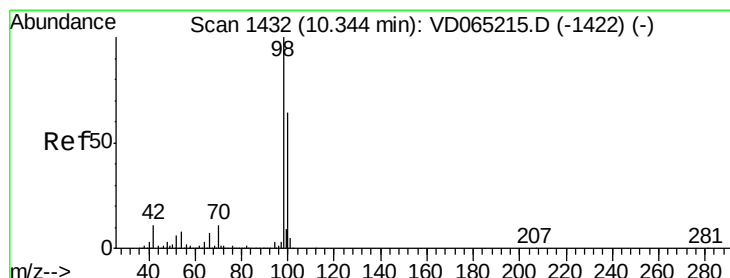
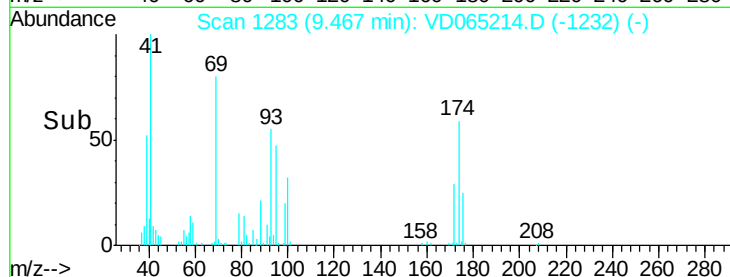
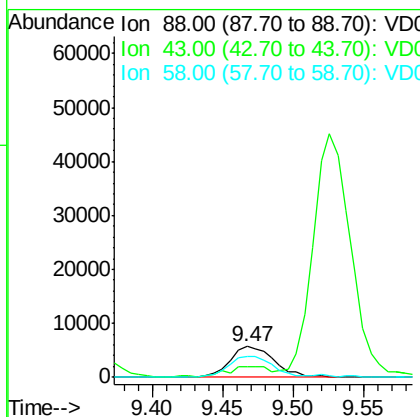
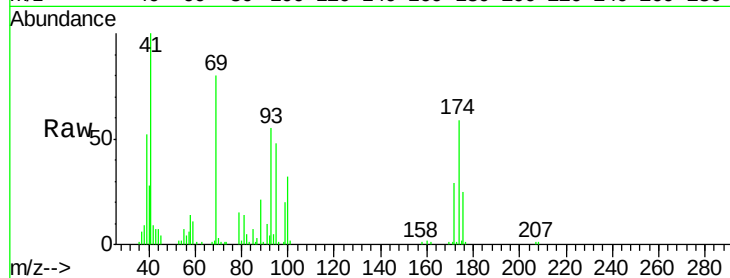
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	12392
Ion Ratio	Lower	Upper	
88	100		
43	30.6	28.5	42.7
58	70.5	58.6	87.8

Manual Integrations
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#50

Toluene-d8

Concen: 19.507 ug/l

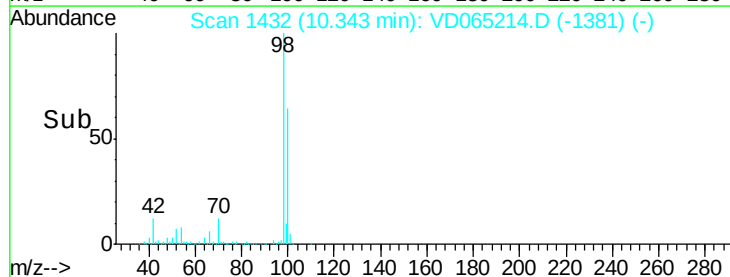
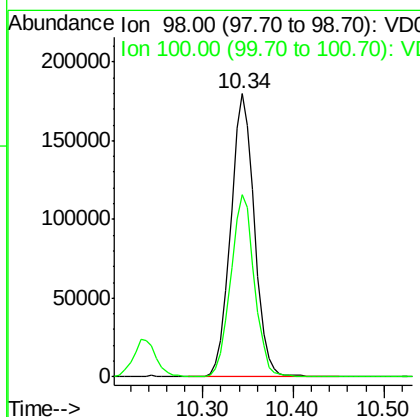
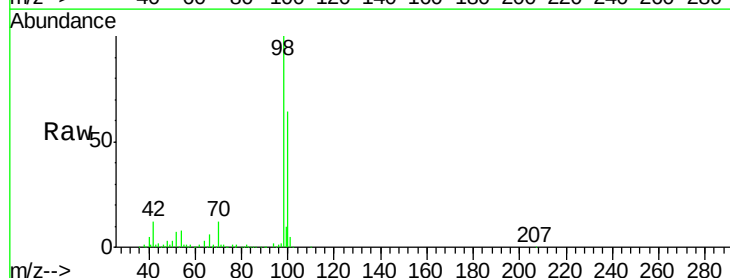
RT: 10.34 min Scan# 1432

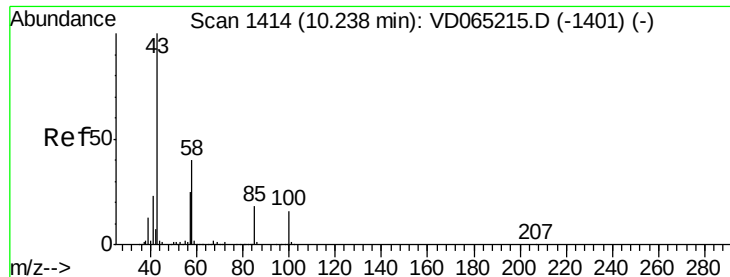
Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Tgt Ion:	98	Resp:	327725
Ion Ratio	Lower	Upper	
98	100		
100	64.7	52.0	78.0





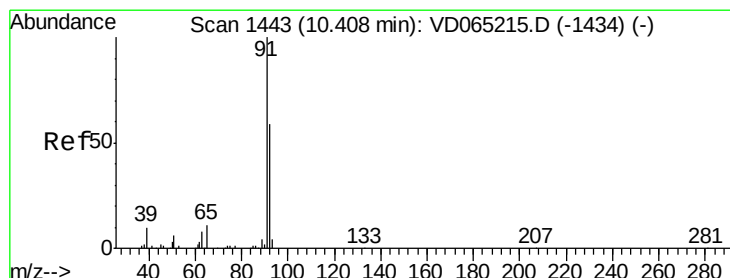
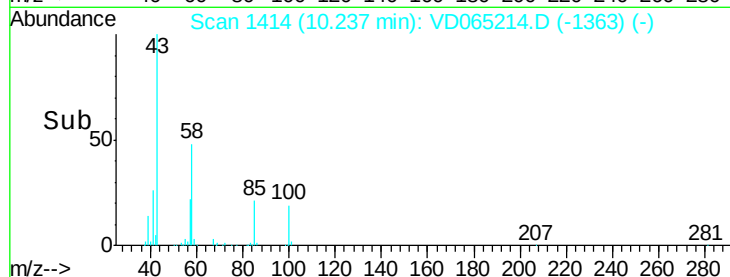
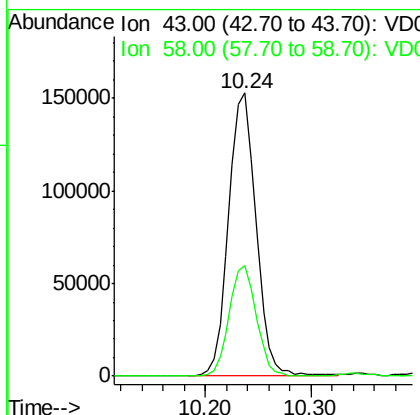
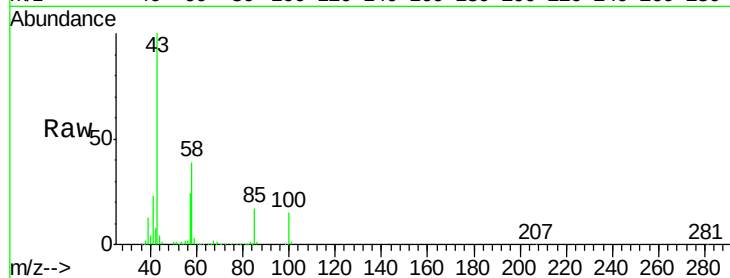
#51
4-Methyl-2-Pentanone
Concen: 101.640 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	31.1	46.7

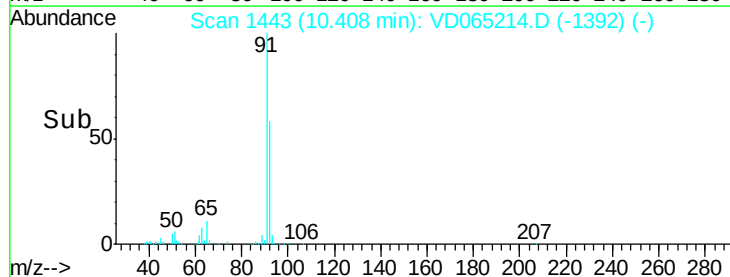
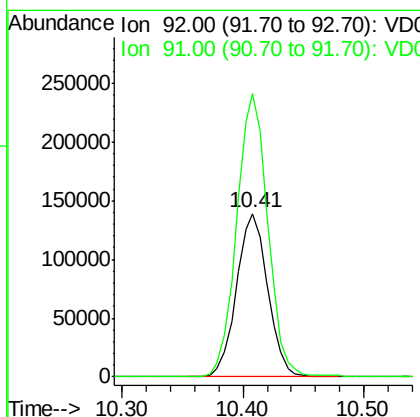
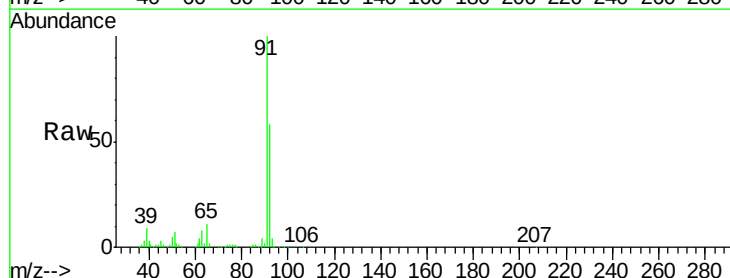
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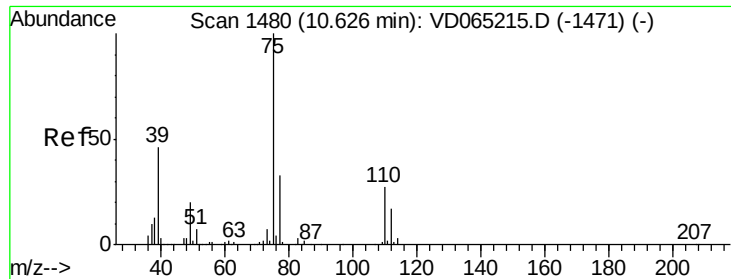
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#52
Toluene
Concen: 20.518 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.8	136.3	204.5





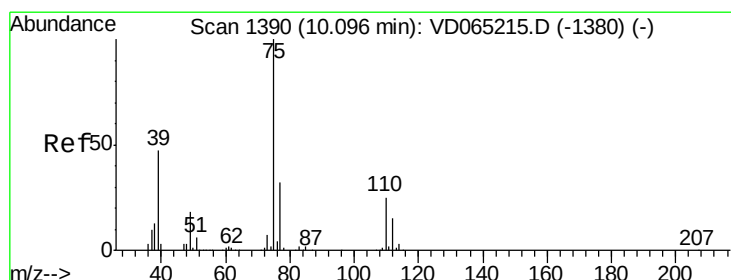
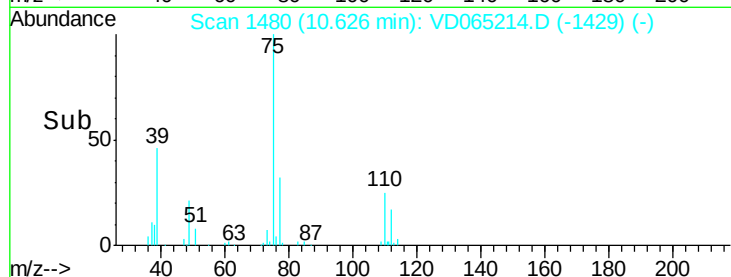
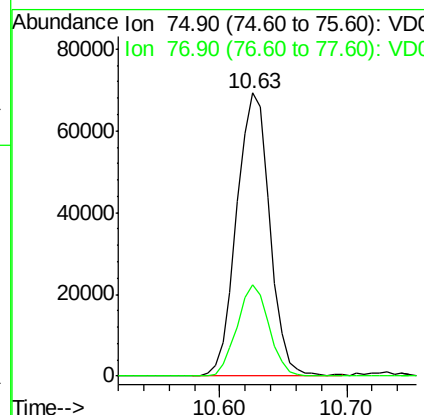
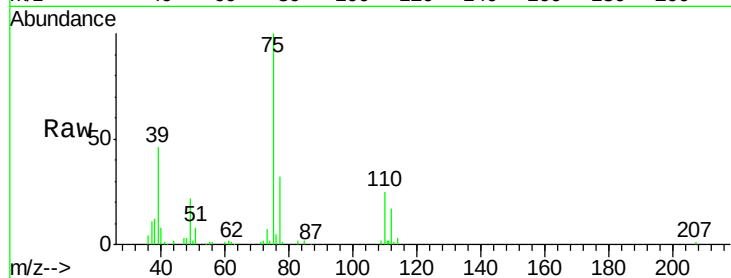
#53
 t-1,3-Dichloropropene
 Concen: 20.186 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 124878
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.6 40.0

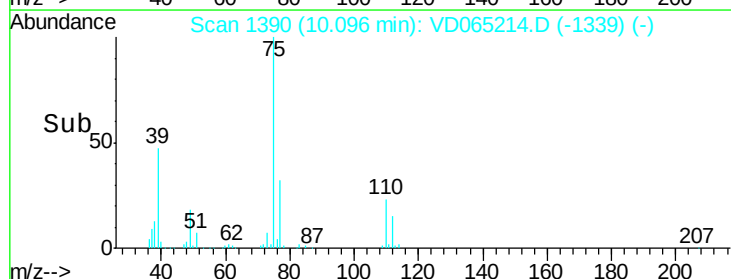
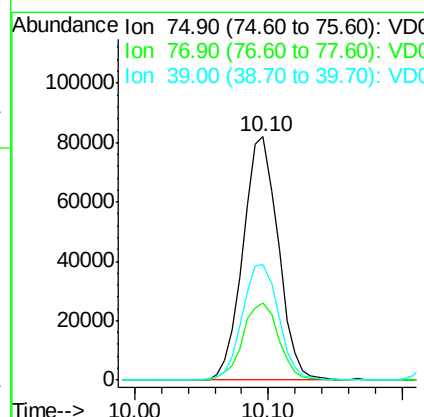
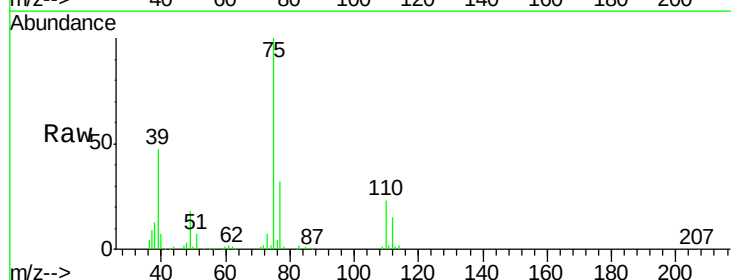
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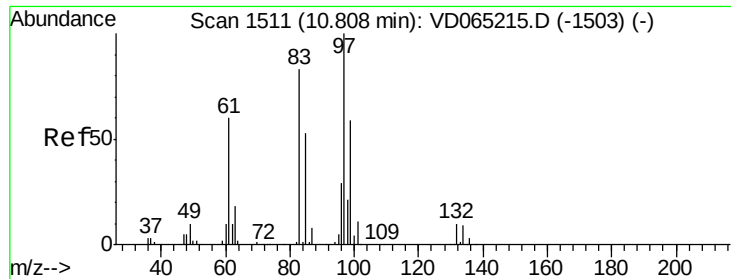
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#54
 cis-1,3-Dichloropropene
 Concen: 20.038 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion: 75 Resp: 149690
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8
 39 47.3 37.3 55.9





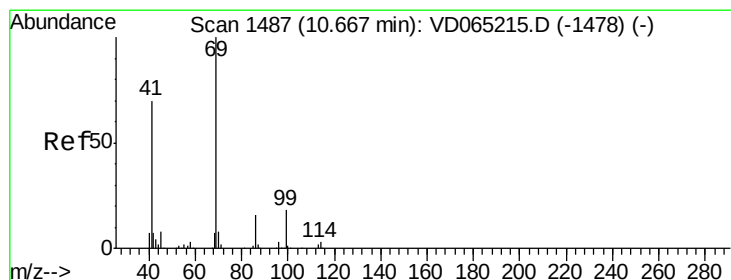
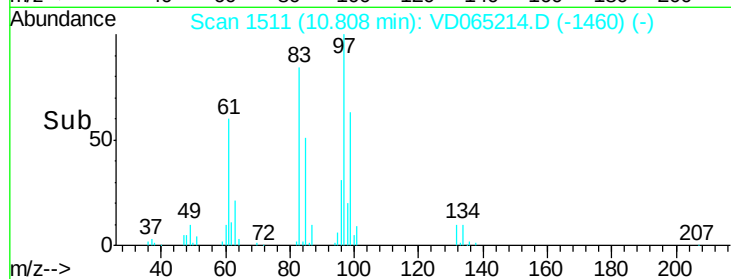
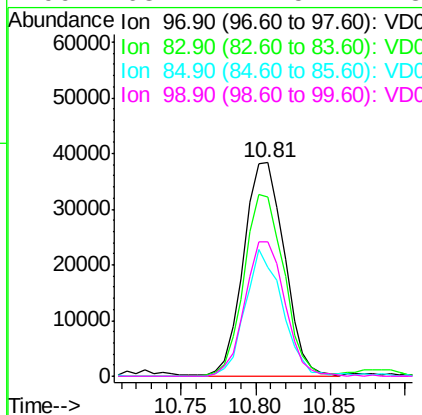
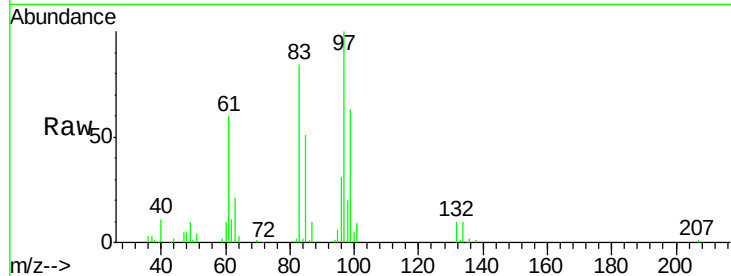
#55
 1,1,2-Trichloroethane
 Concen: 20.444 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	72872
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.7	100.1
85	51.1	42.4	63.6
99	63.1	47.5	71.3

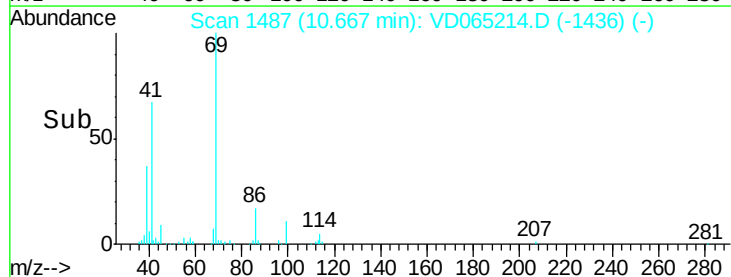
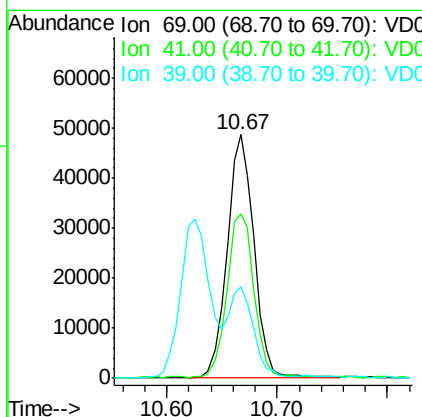
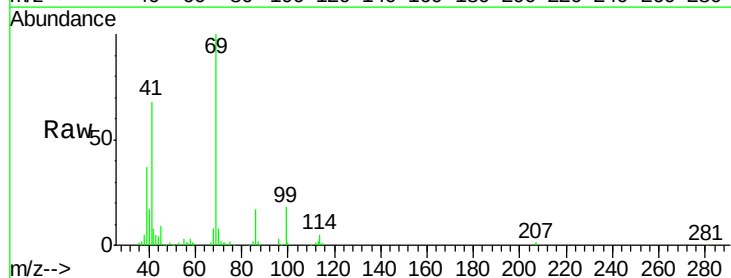
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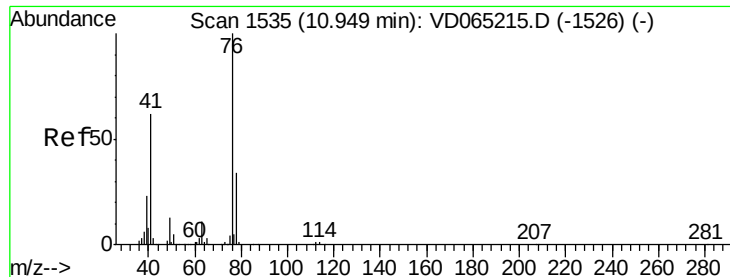
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#56
 Ethyl methacrylate
 Concen: 20.150 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion:	69	Resp:	82902
Ion	Ratio	Lower	Upper
69	100		
41	69.0	54.6	81.8
39	33.6	26.5	39.7





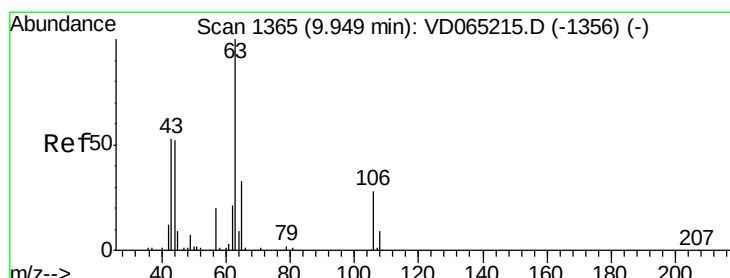
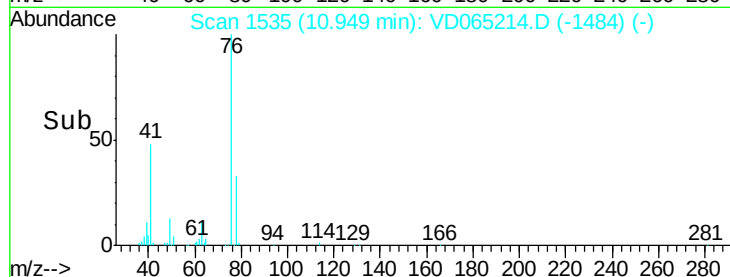
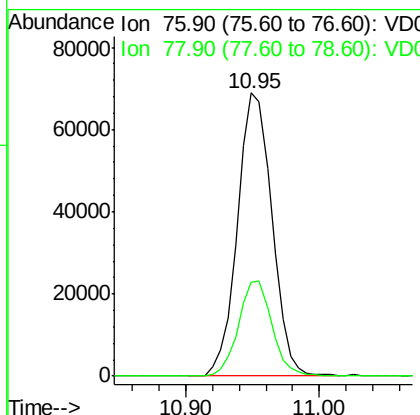
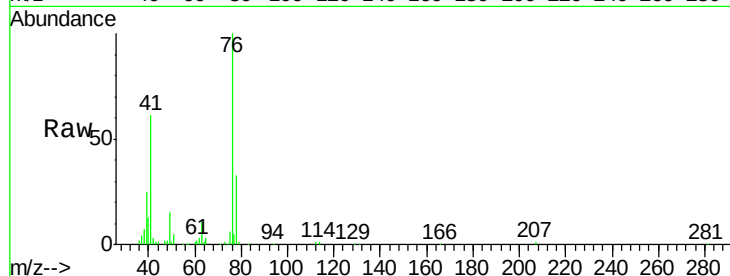
#57
 1,3-Dichloropropane
 Concen: 20.375 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.3	39.5

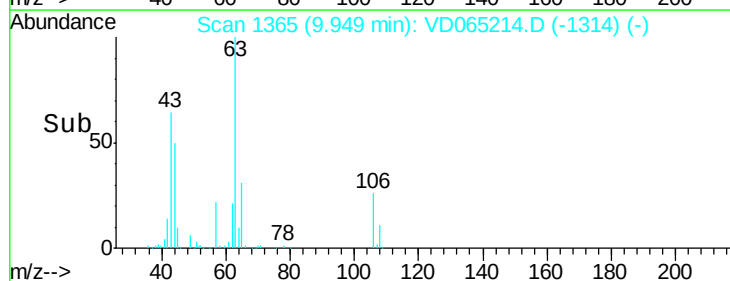
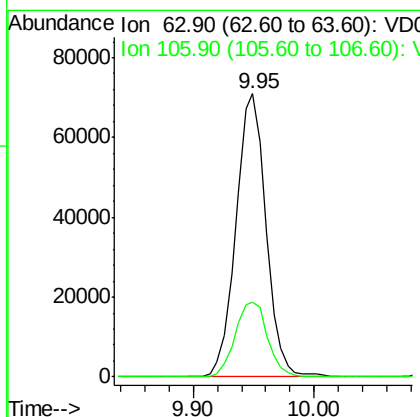
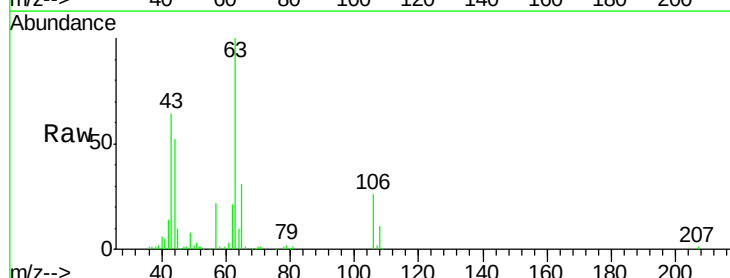
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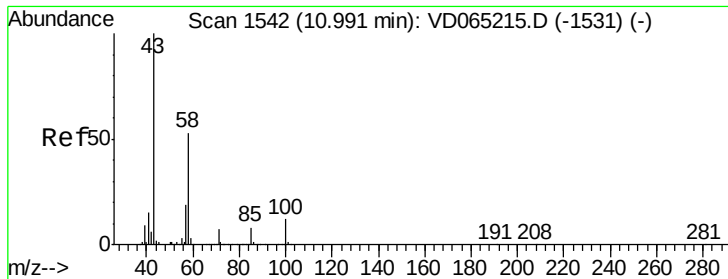
MMDadoda
 2/19/2020 1:44:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.146 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	22.8	34.2





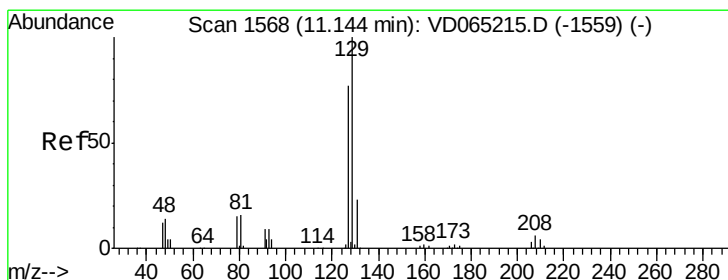
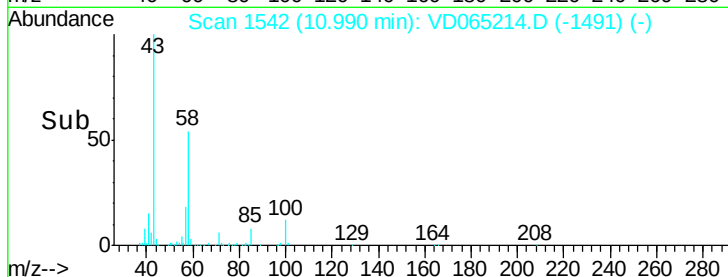
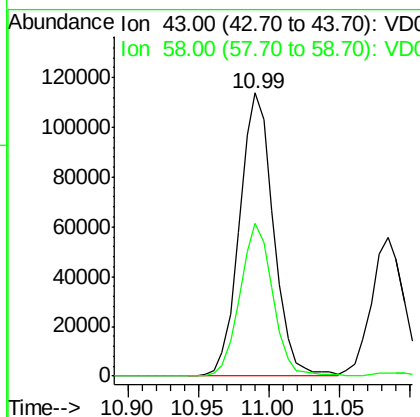
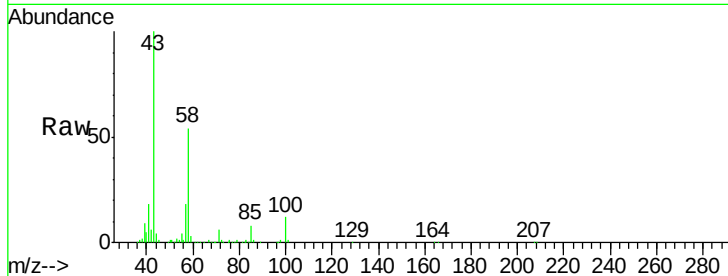
#59
2-Hexanone
Concen: 98.703 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.2	26.3	78.8

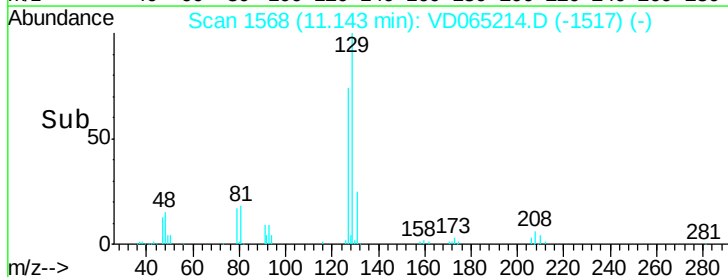
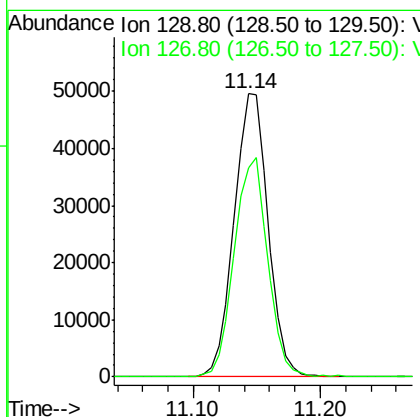
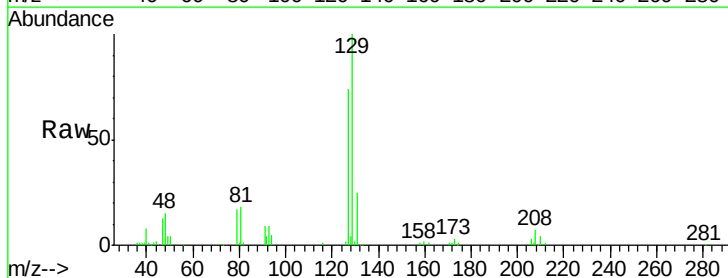
Manual Integrations
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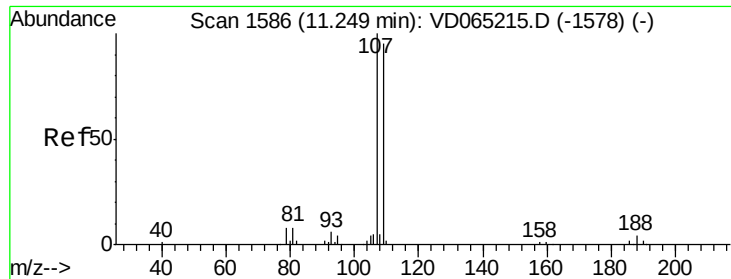
MMDadoda
2/19/2020 1:44:06 PM



#60
Dibromochloromethane
Concen: 20.180 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.7	116.1





#61

1,2-Dibromoethane

Concen: 20.069 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 67731

Ion Ratio Lower Upper

107 100

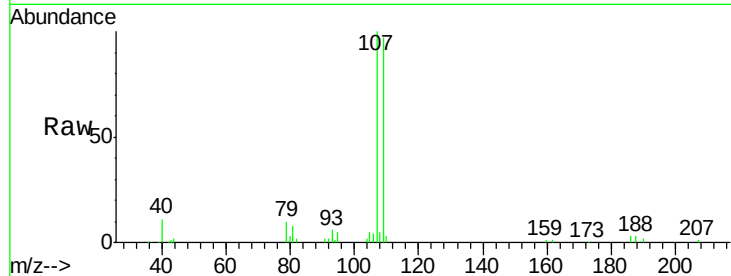
109 95.7 76.2 114.4

Manual Integrations

APPROVED

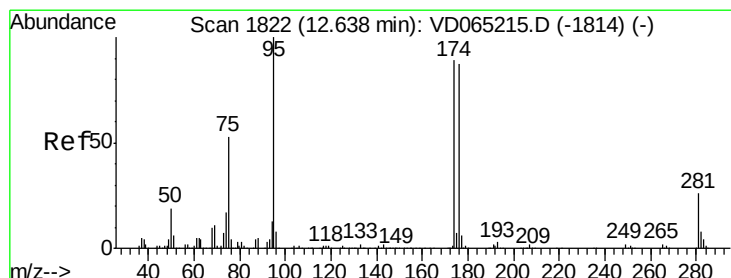
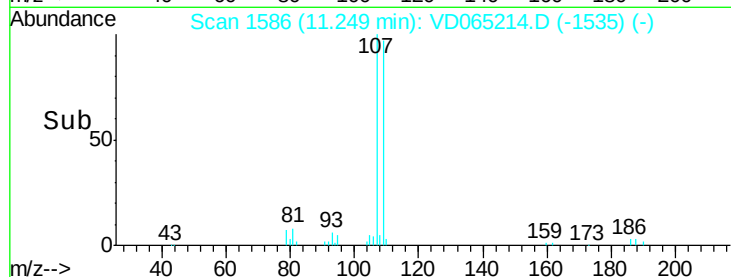
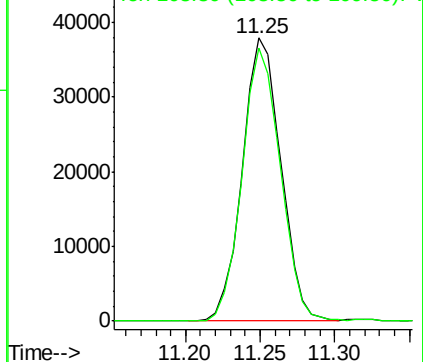
MMDadoda

2/19/2020 1:44:06 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.126 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

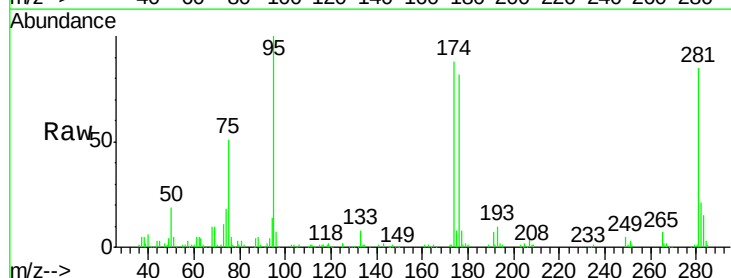
Tgt Ion: 95 Resp: 101794

Ion Ratio Lower Upper

95 100

174 90.5 0.0 178.0

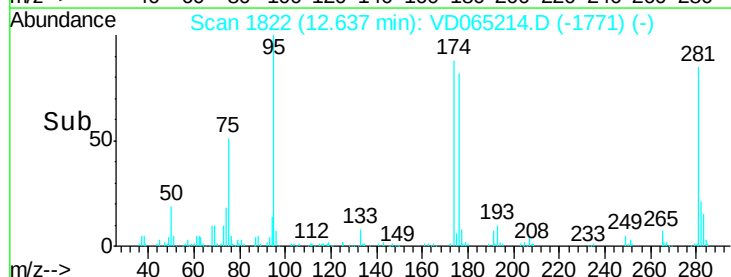
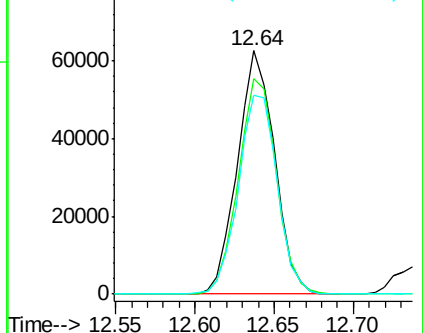
176 85.9 0.0 174.4

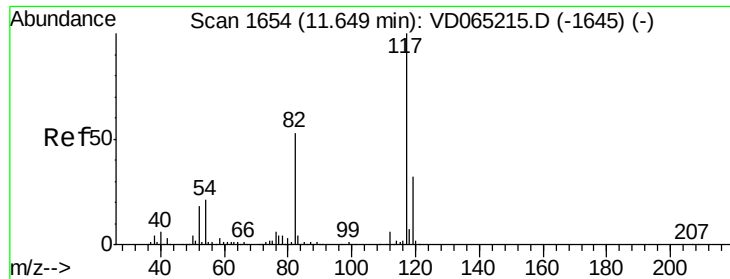


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





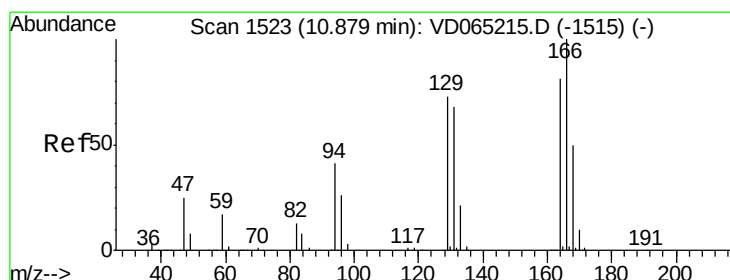
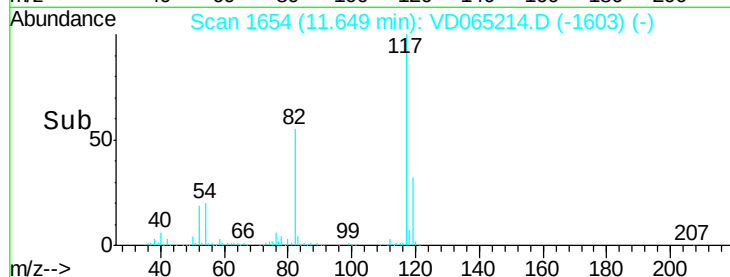
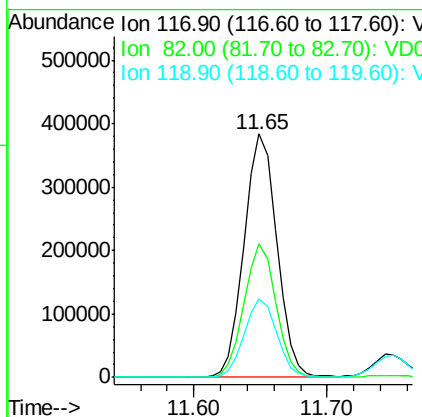
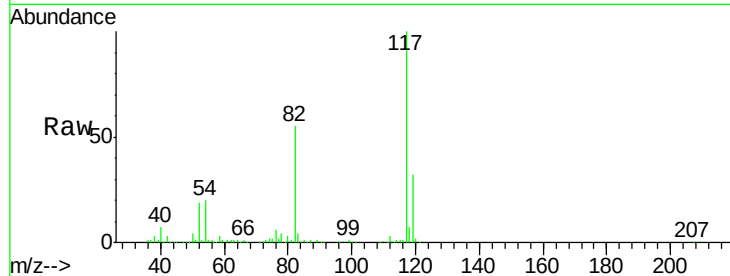
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.7	64.1
119	32.4	25.5	38.3

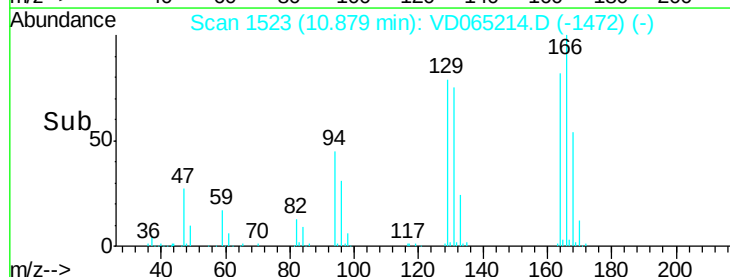
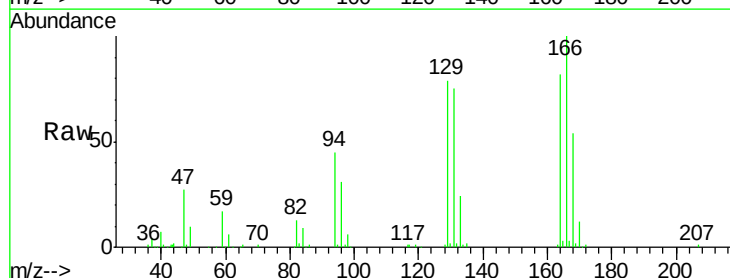
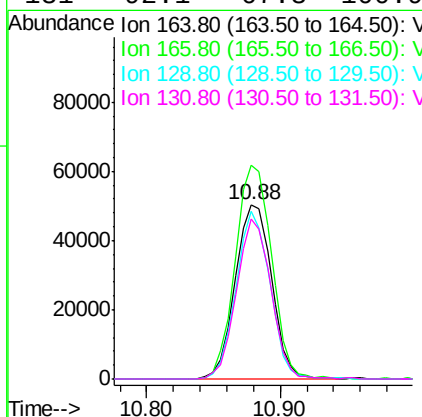
Manual Integrations
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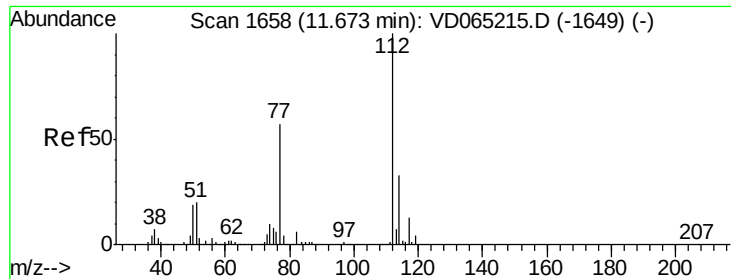
MMDadoda
2/19/2020 1:44:06 PM



#64
Tetrachloroethene
Concen: 20.589 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	98.4	147.6
129	96.4	71.6	107.4
131	92.1	67.3	100.9





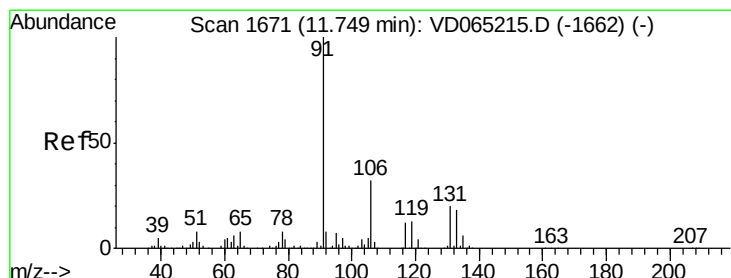
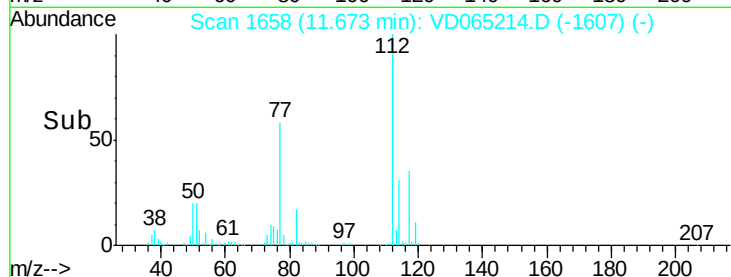
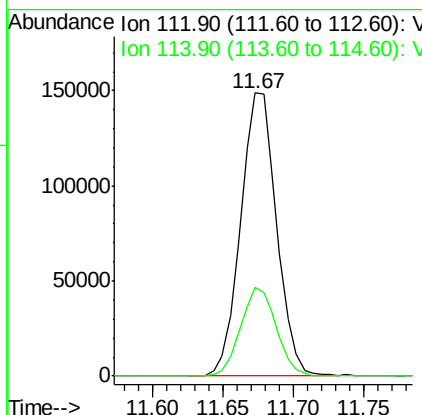
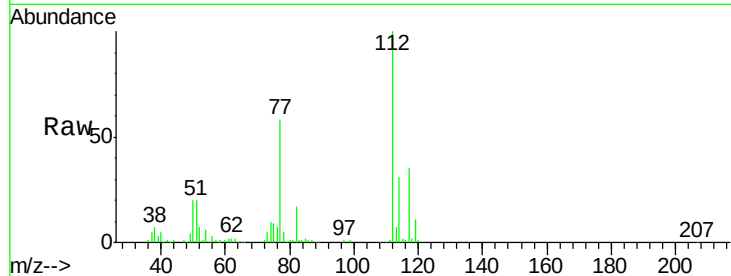
#65
Chlorobenzene
Concen: 20.224 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.4	39.6

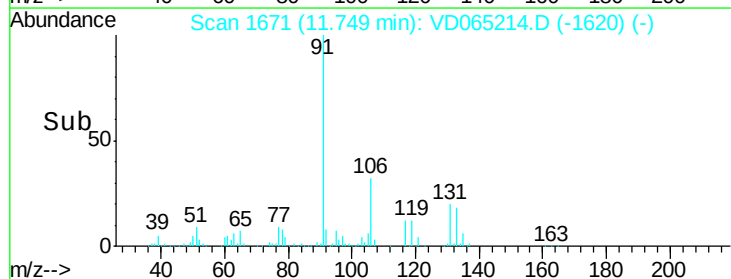
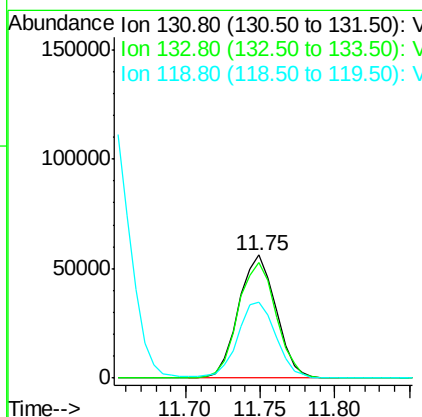
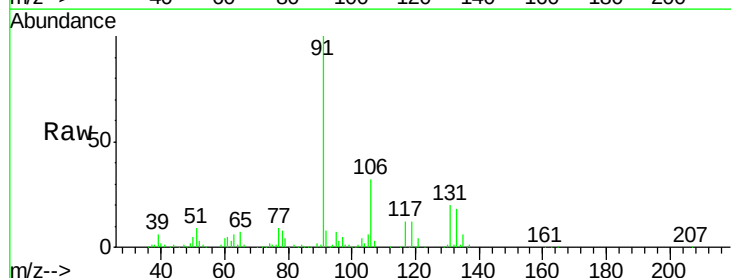
Manual Integrations
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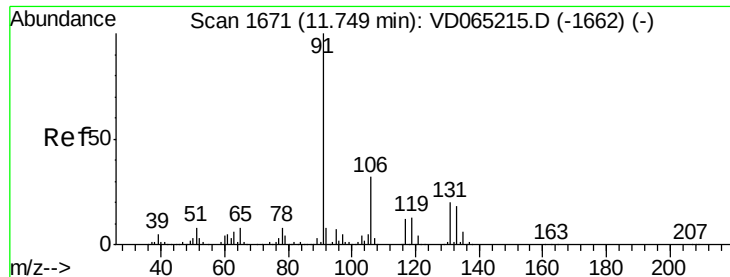
MMDadoda
2/19/2020 1:44:06 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.082 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.7	143.1
119	63.0	32.7	98.1





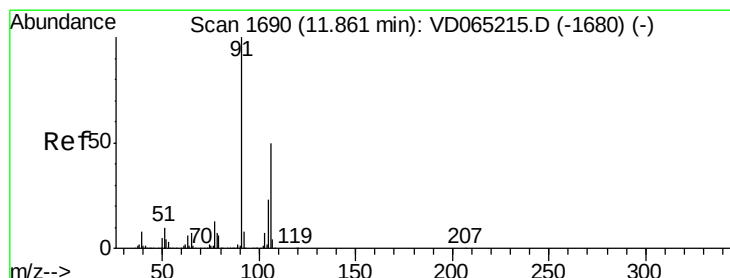
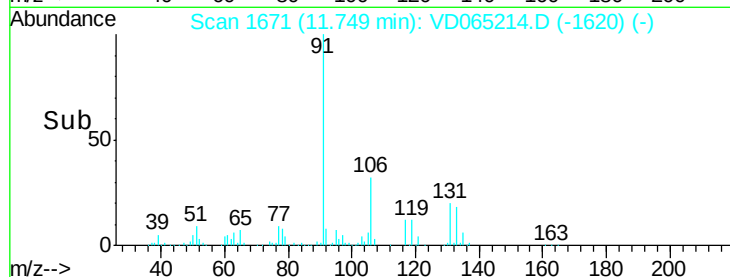
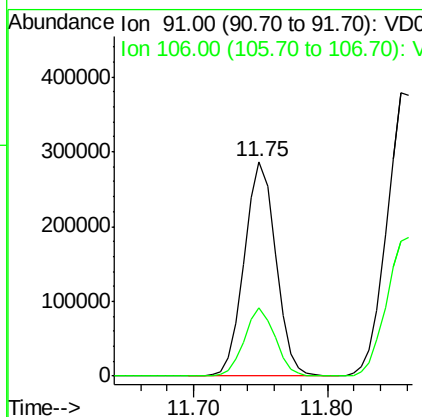
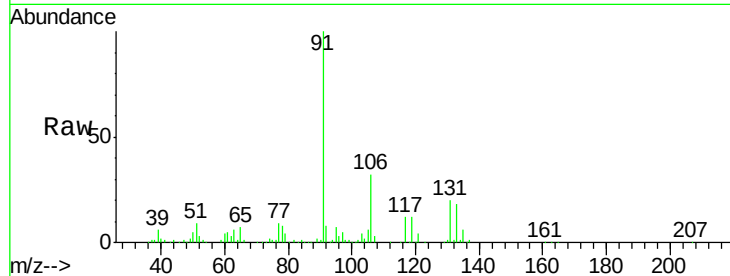
#67
Ethyl Benzene
Concen: 20.398 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 467719
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8

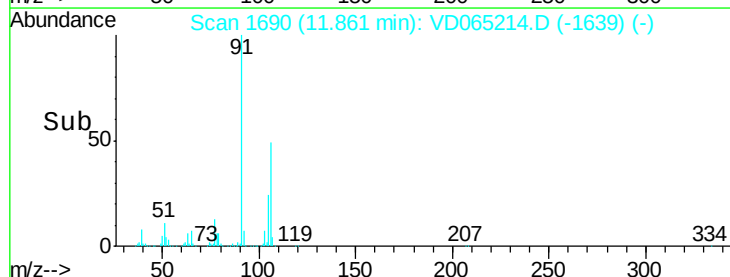
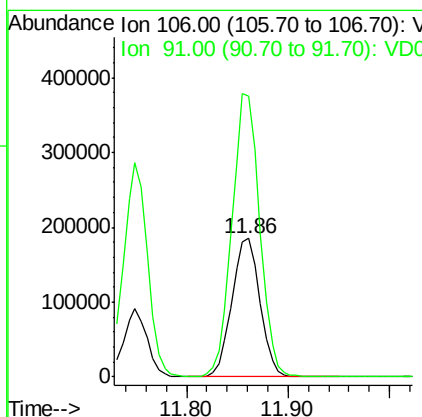
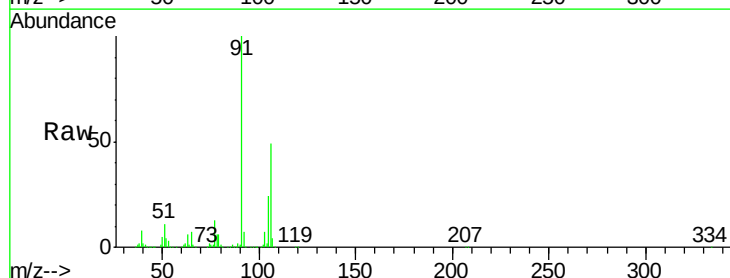
Manual Integrations
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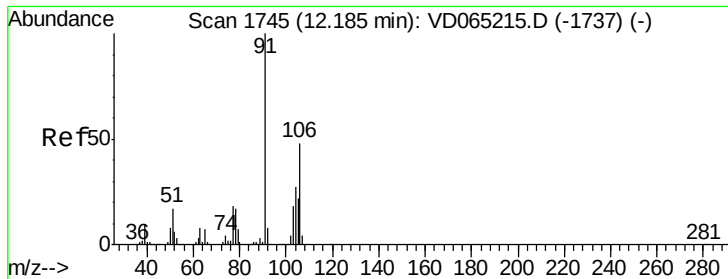
MMDadoda
2/19/2020 1:44:06 PM



#68
m/p-Xylenes
Concen: 40.716 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion: 106 Resp: 357190
Ion Ratio Lower Upper
106 100
91 201.5 158.2 237.4





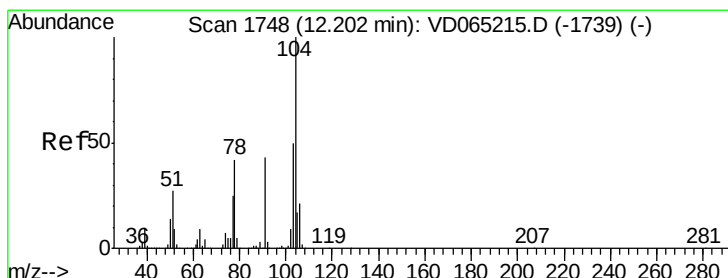
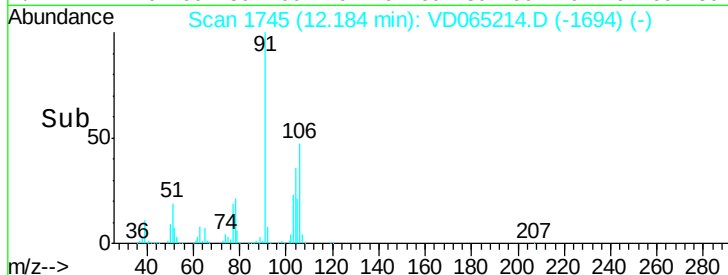
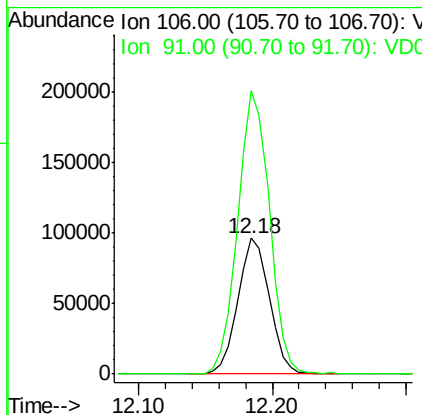
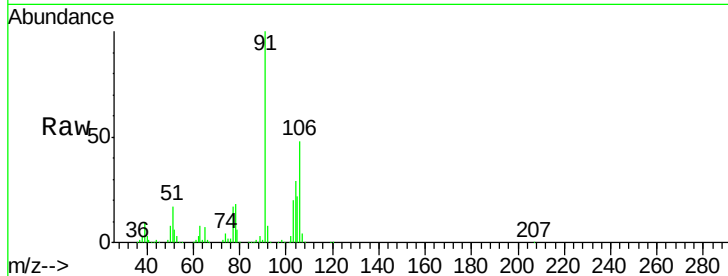
#69
o-Xylene
Concen: 20.285 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.3	104.7	313.9

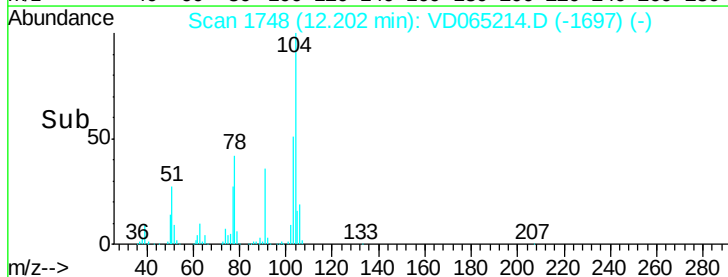
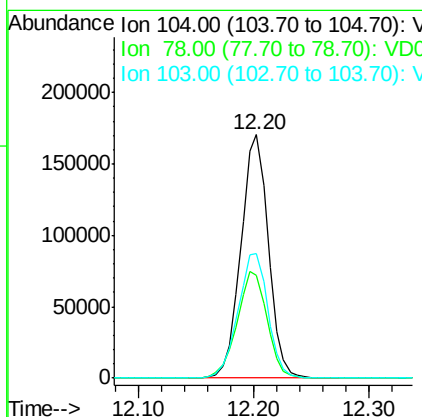
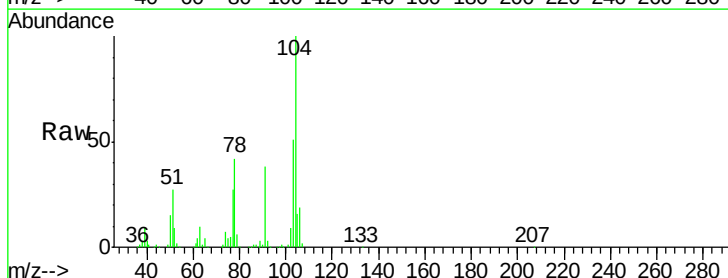
Manual Integrations
APPROVED

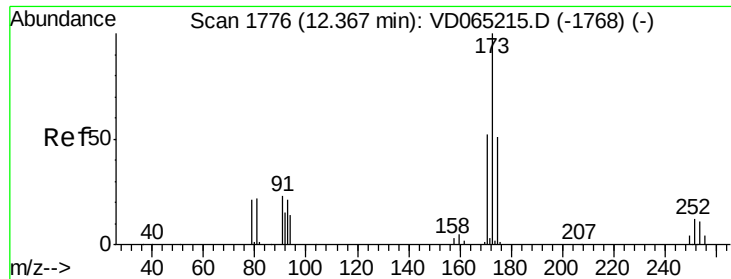
MMDadoda
2/19/2020 1:44:06 PM



#70
Styrene
Concen: 20.420 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	37.8	56.6
103	55.6	43.4	65.2





#71

Bromoform

Concen: 20.123 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

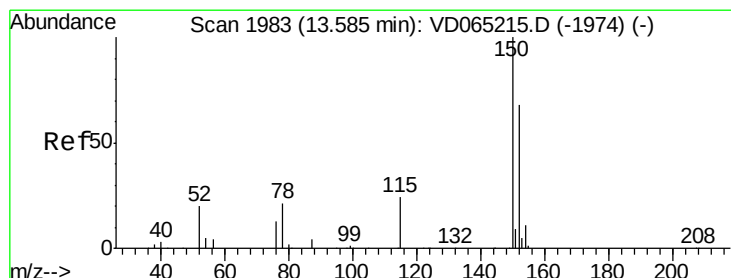
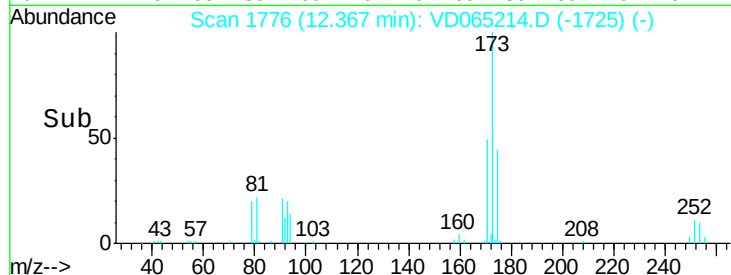
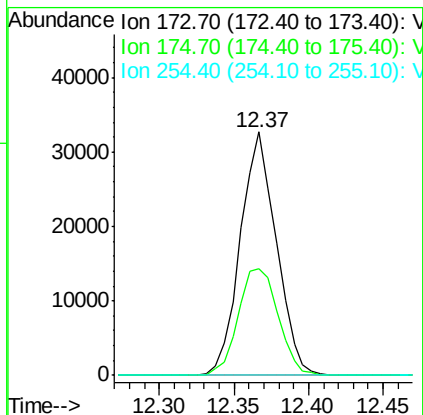
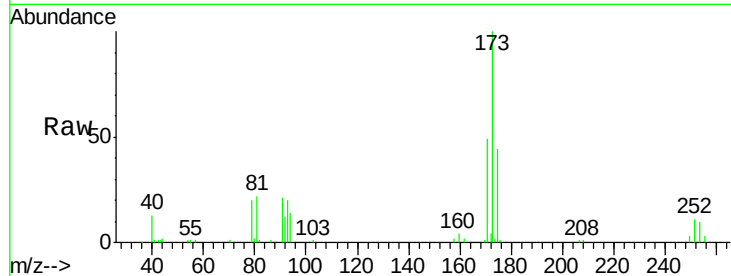
ClientSampleId :

VSTDIC020

Tot Ion:	173	Resp:	54555
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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2/19/2020 1:44:06 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

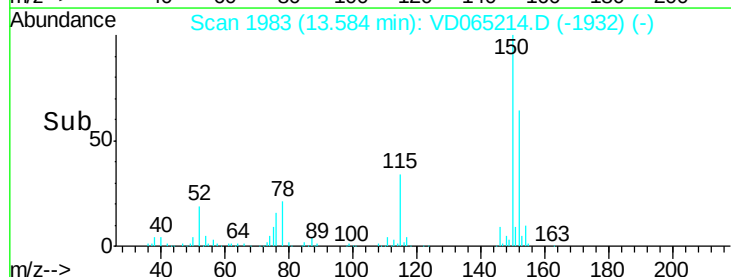
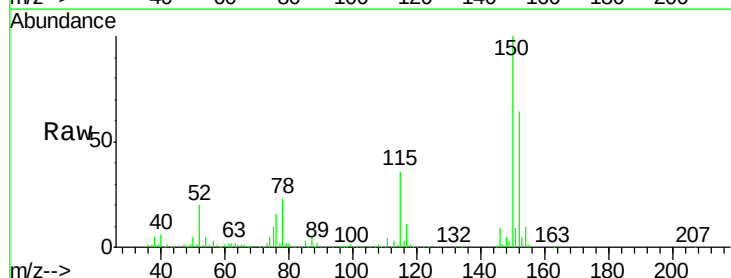
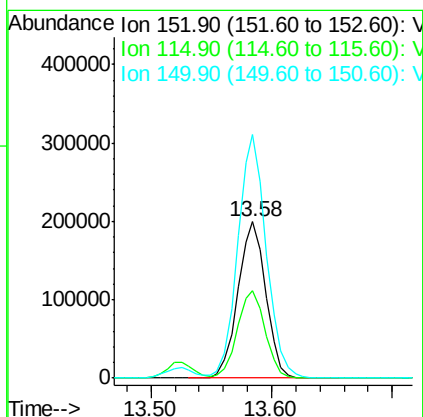
RT: 13.58 min Scan# 1983

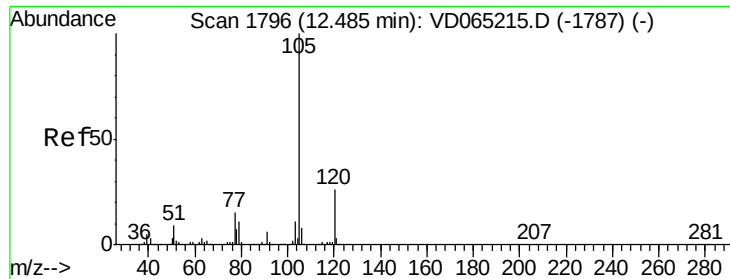
Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Tgt Ion:	152	Resp:	318918
Ion Ratio	Lower	Upper	
152	100		
115	56.1	27.6	82.8
150	159.5	0.0	347.4





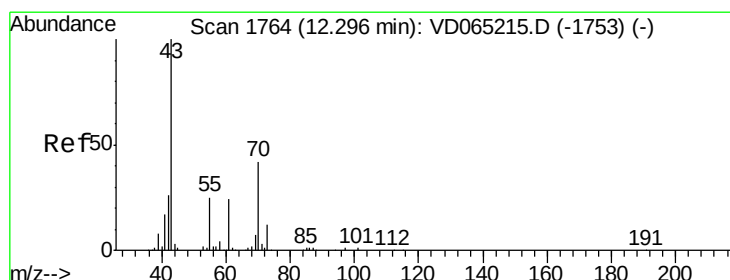
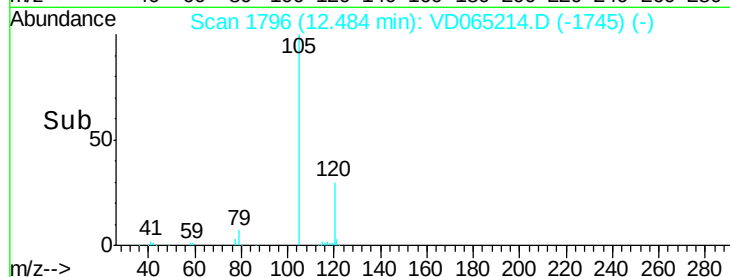
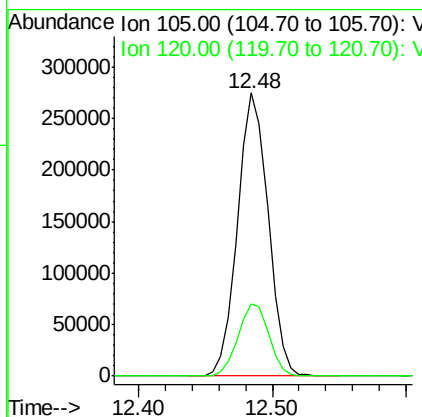
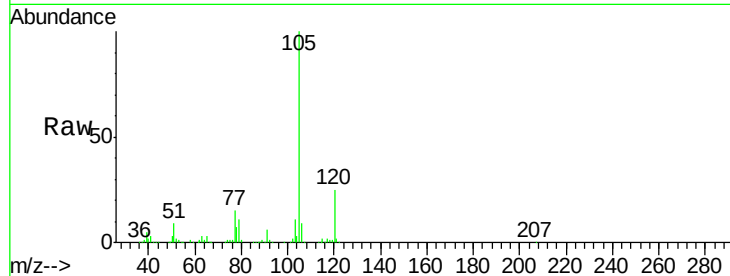
#73
Isopropylbenzene
Concen: 20.653 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.3	39.9

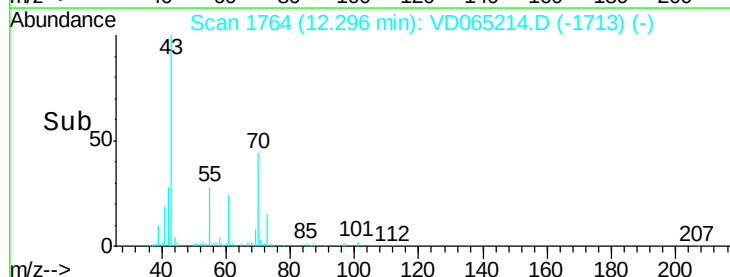
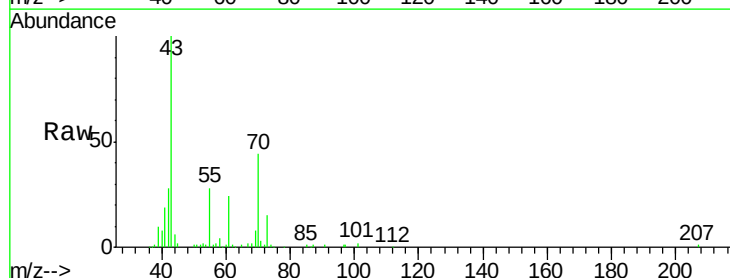
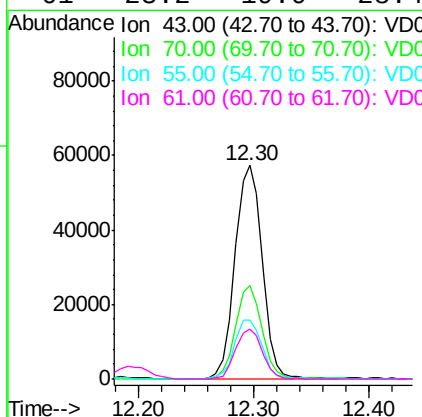
Manual Integrations
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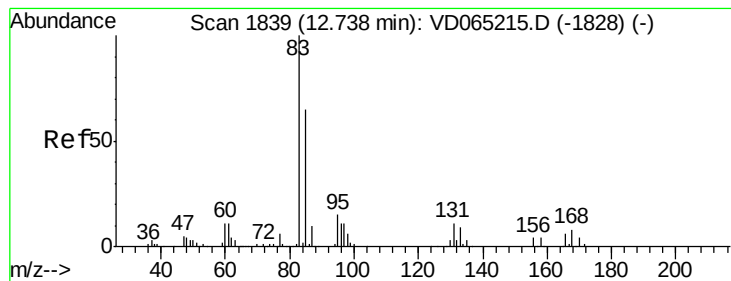
MMDadoda
2/19/2020 1:44:06 PM



#74
N-ethyl acetate
Concen: 20.035 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.3	33.7	50.5
55	28.1	20.7	31.1
61	23.2	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.219 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

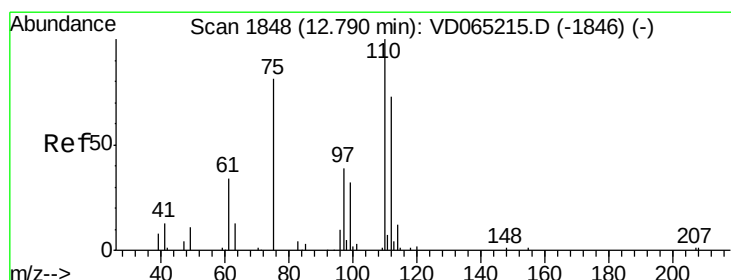
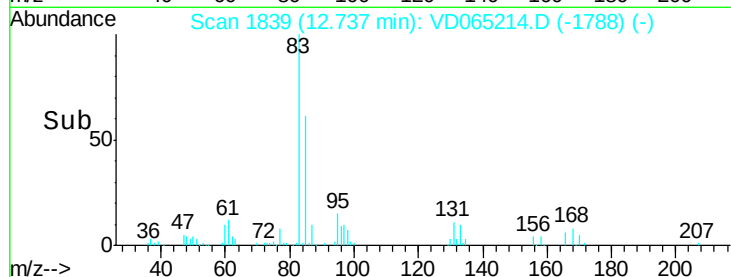
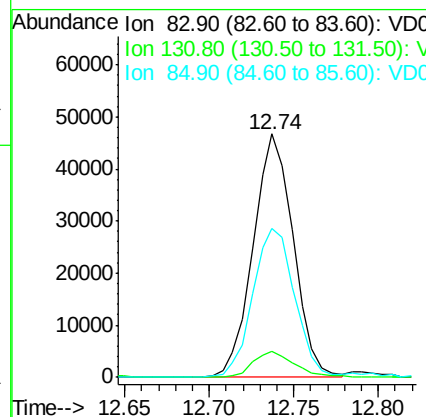
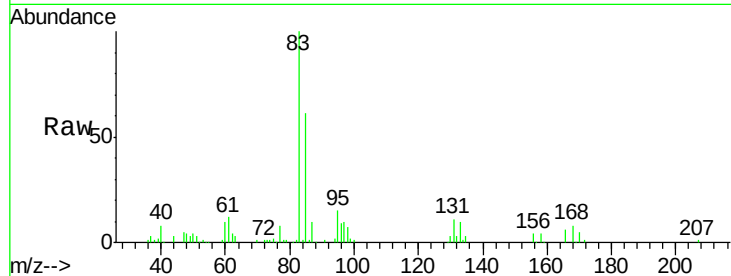
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	77045
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	64.0	31.6	94.8

Manual Integrations
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MMDadoda
2/19/2020 1:44:06 PM



#76

1,2,3-Trichloropropane

Concen: 13.330 ug/l m

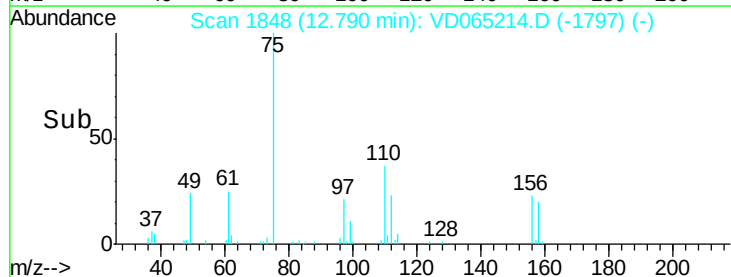
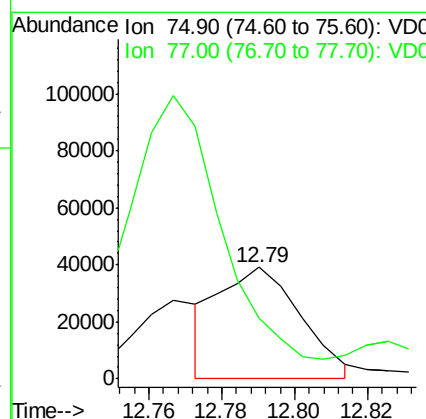
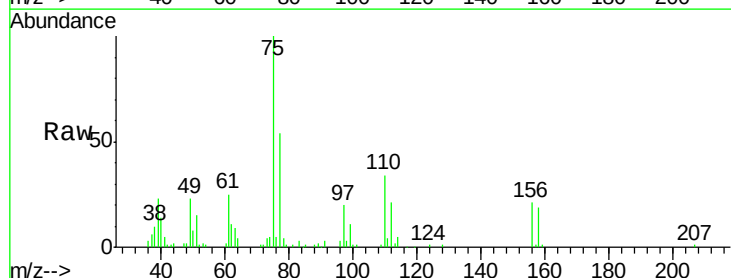
RT: 12.79 min Scan# 1848

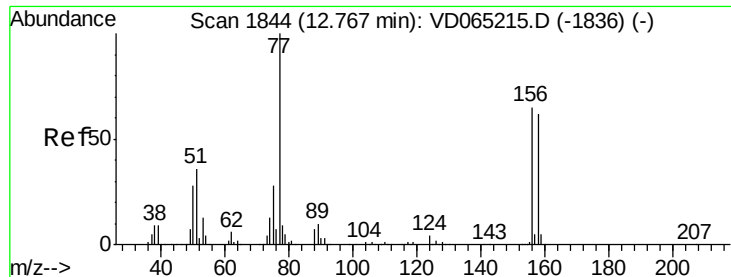
Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Tgt Ion:	75	Resp:	60924
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.090 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

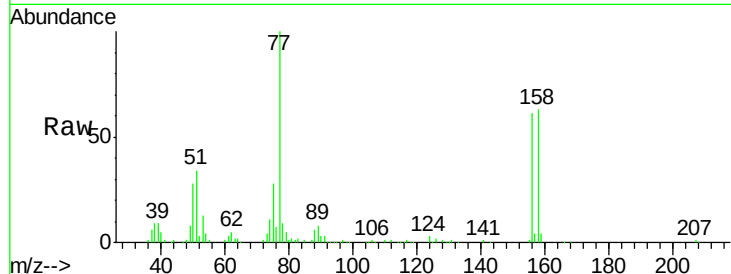
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.2	86.6	259.7
158	101.1	48.1	144.3

Manual Integrations
APPROVED

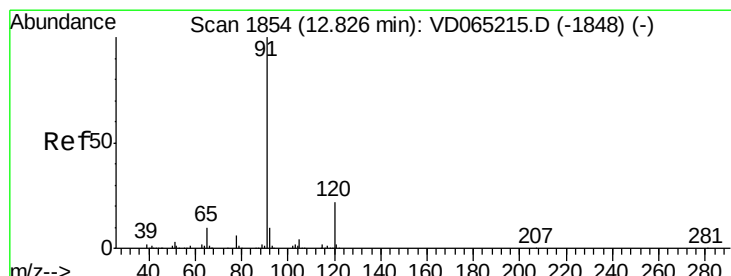
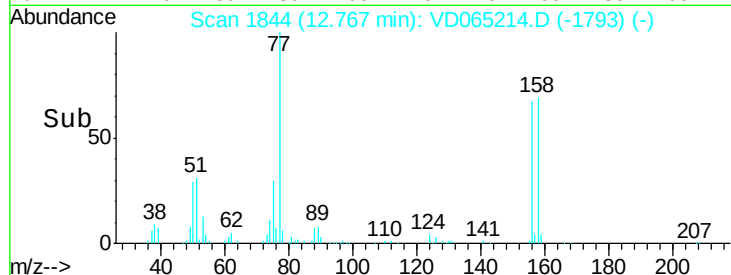
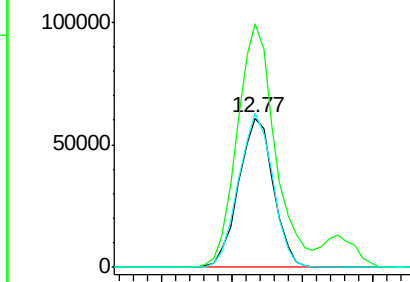
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.255 ug/l

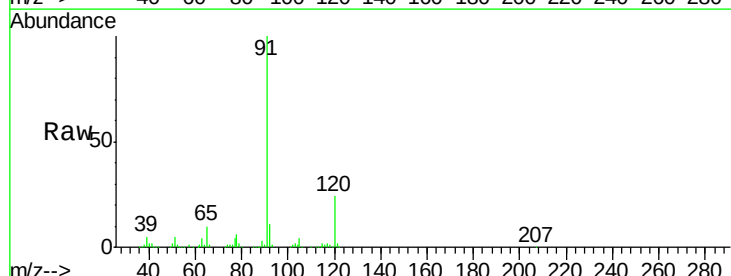
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065214.D

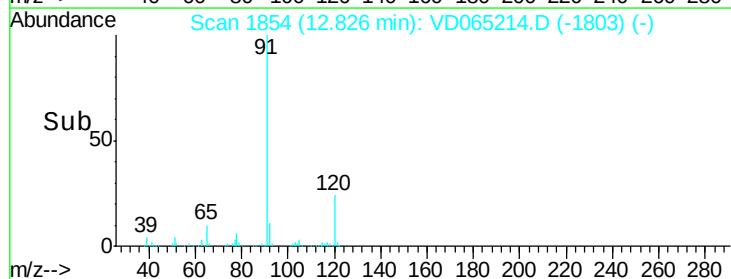
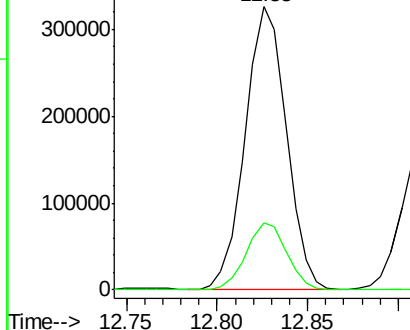
Acq: 18 Feb 2020 11:30

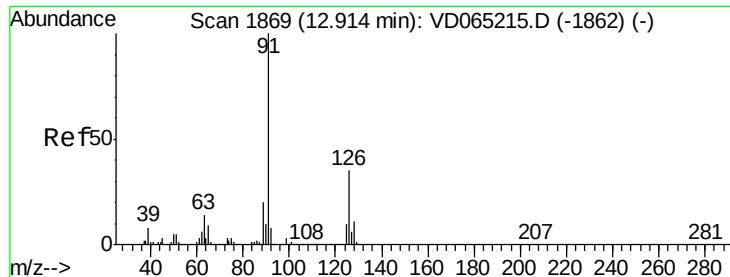
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.116 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 285928

Ion Ratio Lower Upper

91 100

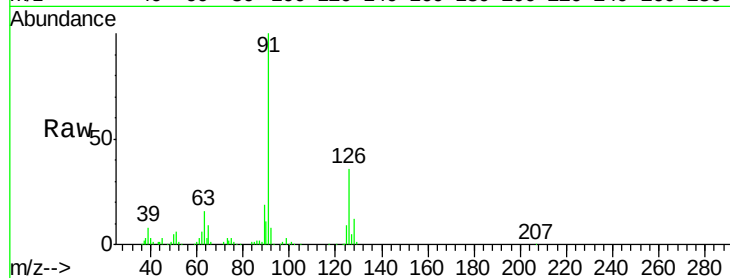
126 35.1 17.5 52.6

Manual Integrations

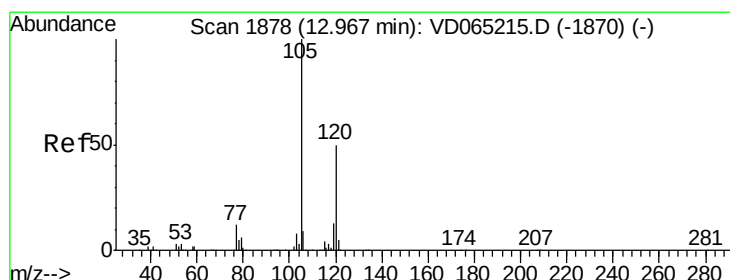
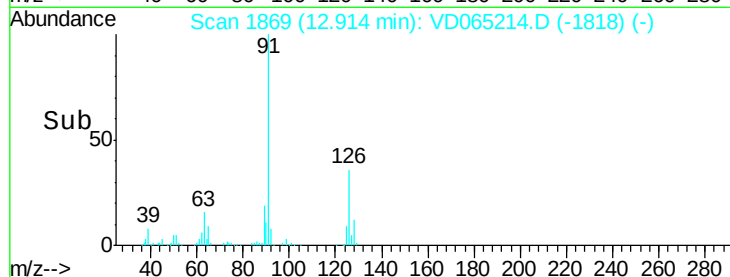
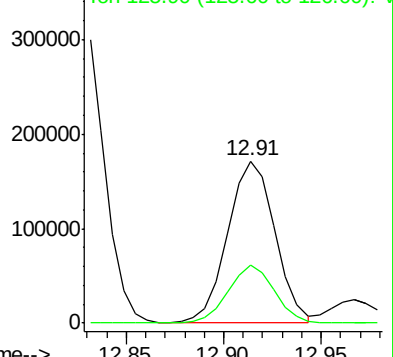
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Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.571 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065214.D

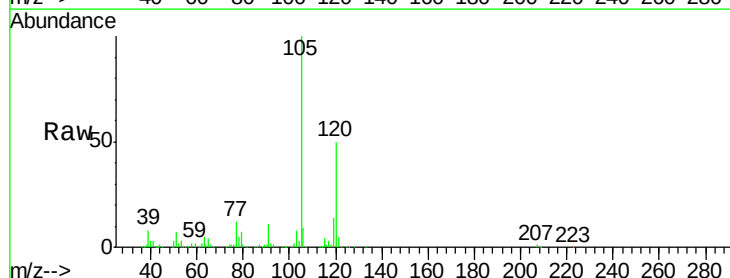
Acq: 18 Feb 2020 11:30

Tgt Ion: 105 Resp: 357723

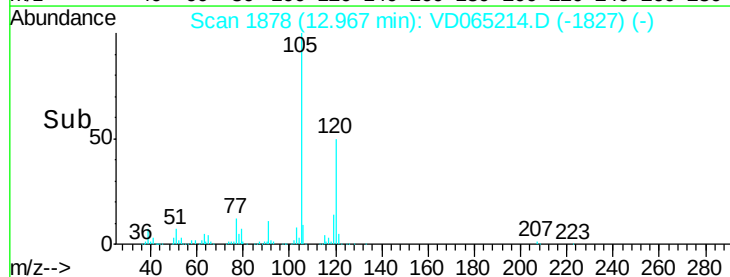
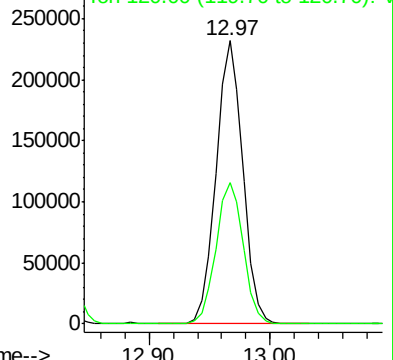
Ion Ratio Lower Upper

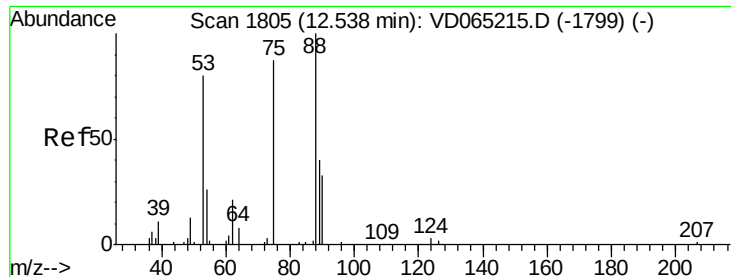
105 100

120 51.1 25.4 76.4



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





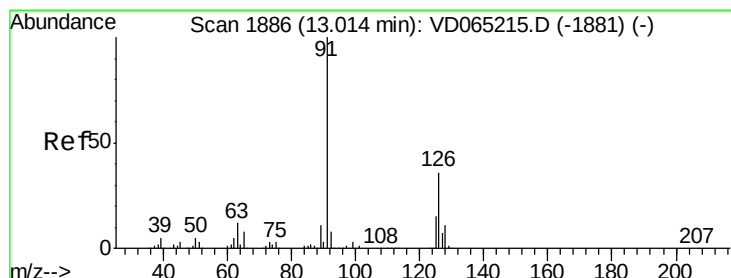
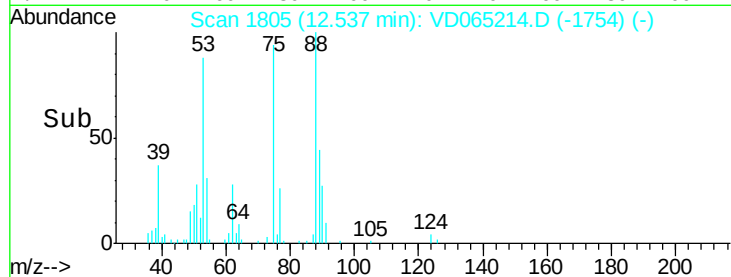
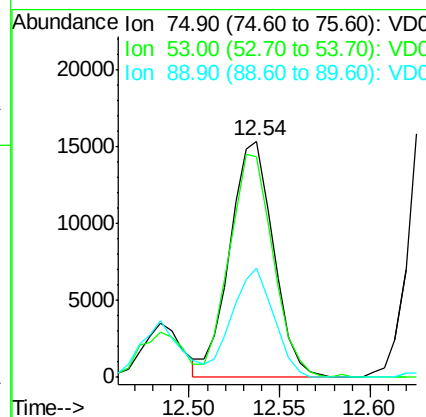
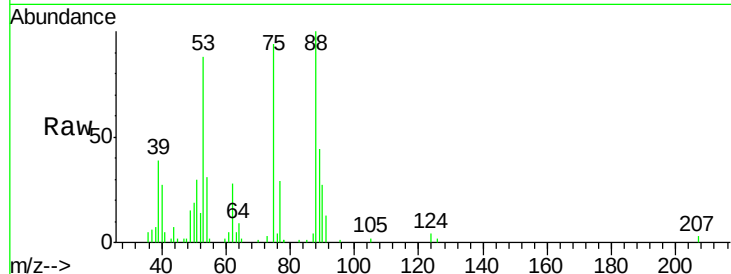
#81
trans-1,4-Dichloro-2-butene
Concen: 20.480 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.5	77.6	116.4
89	44.0	37.2	55.8

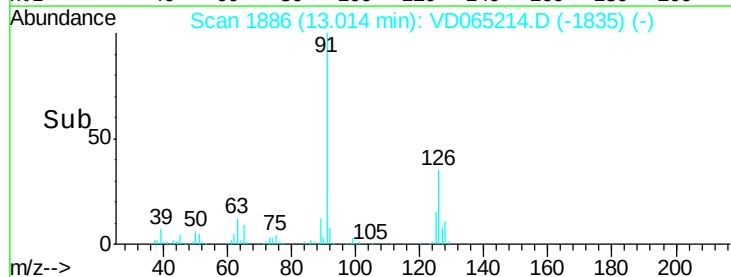
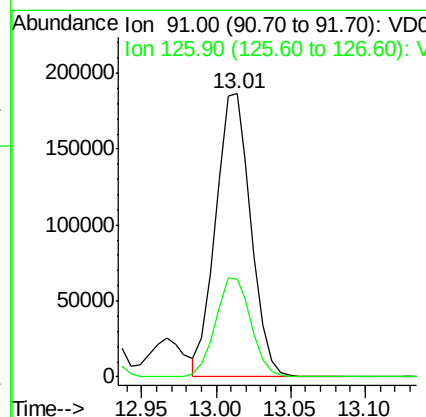
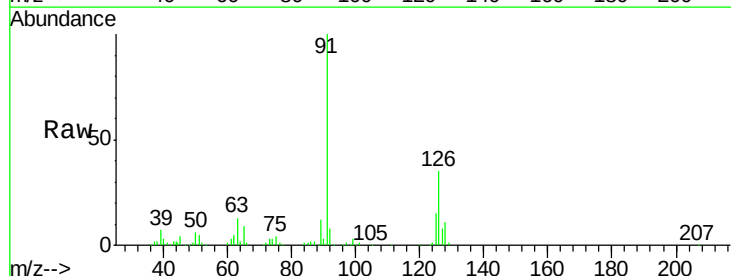
Manual Integrations
APPROVED

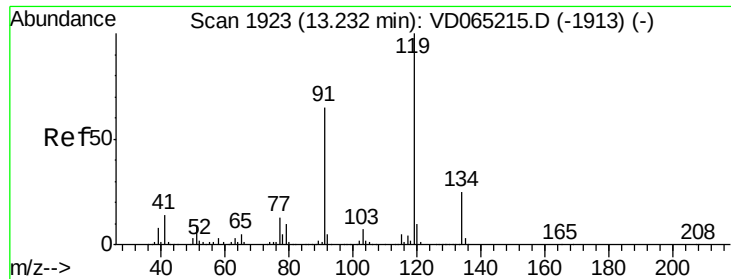
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.307 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.4	52.3





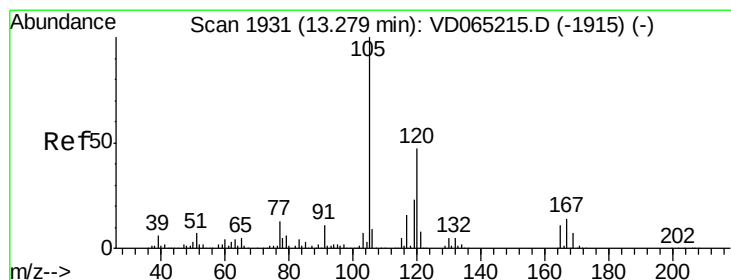
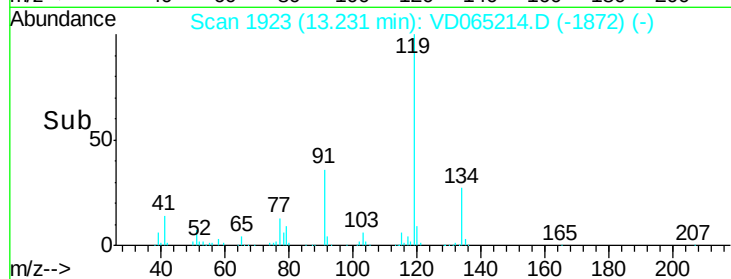
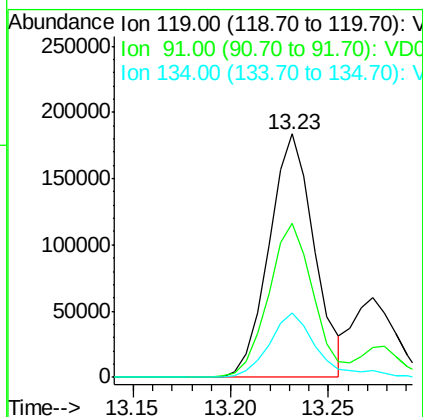
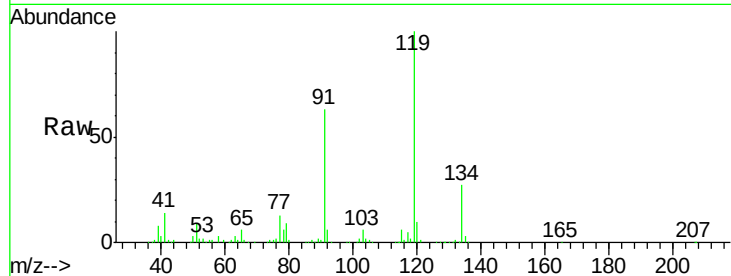
#83
 tert-Butylbenzene
 Concen: 20.214 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	294613		
91	63.5		31.9	95.5
134	28.4		13.8	41.3

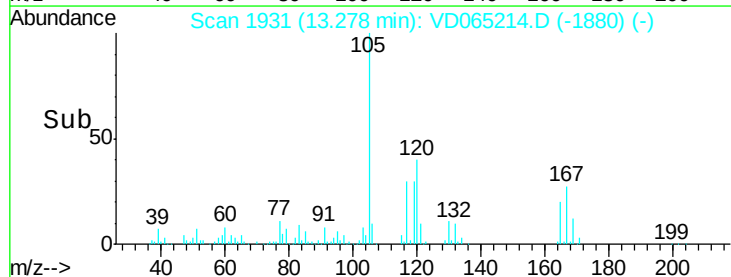
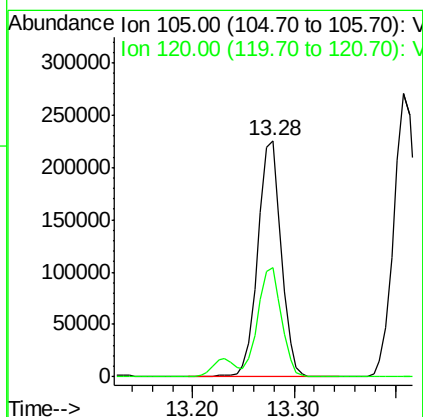
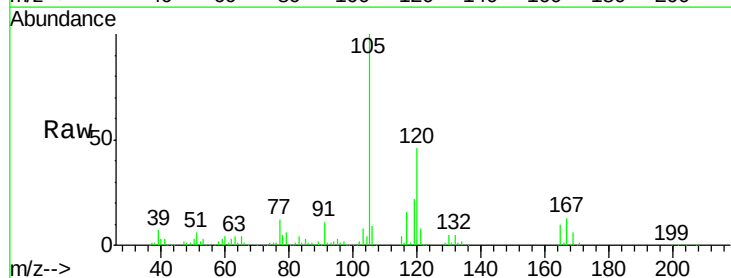
Manual Integrations
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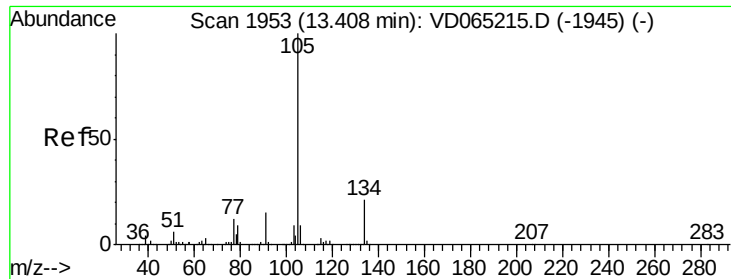
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.733 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	360871		
120	46.4		23.3	69.9





#85

sec-Butylbenzene

Concen: 20.179 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 423788

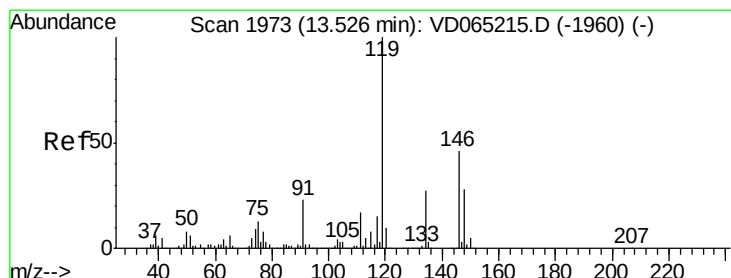
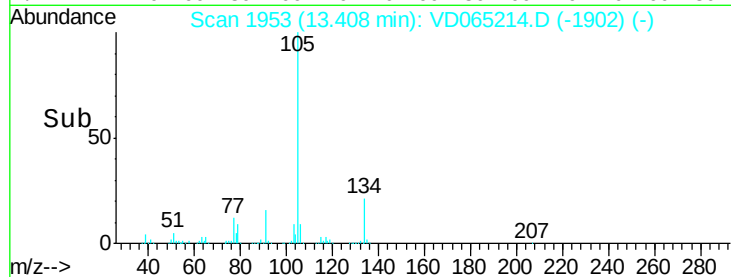
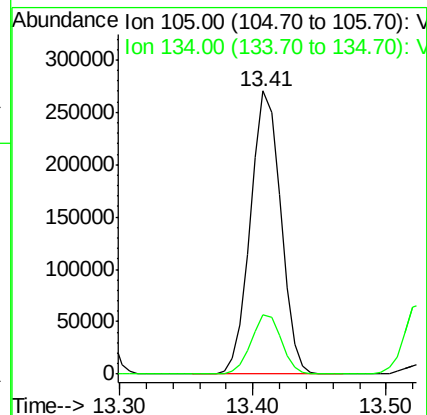
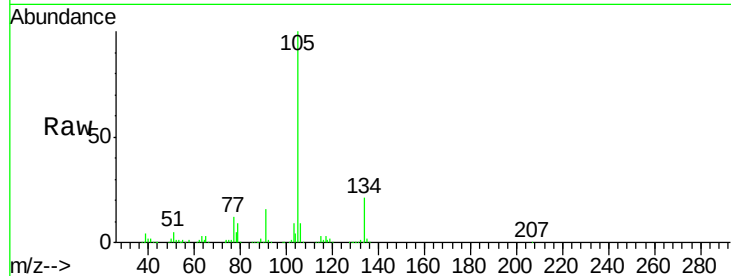
Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.442 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

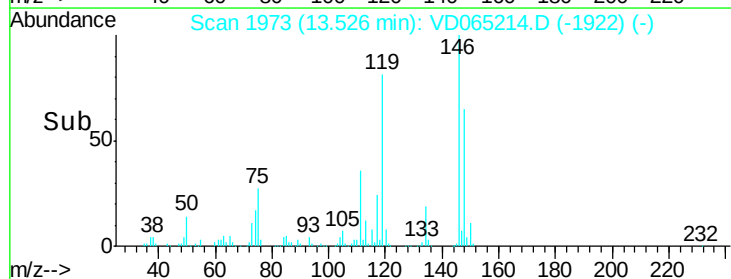
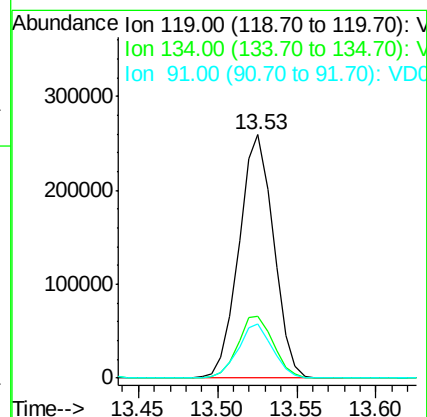
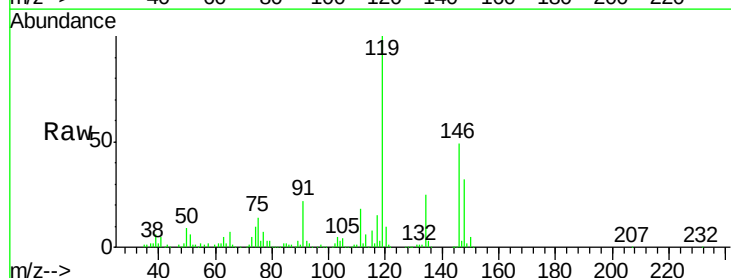
Tgt Ion:119 Resp: 392614

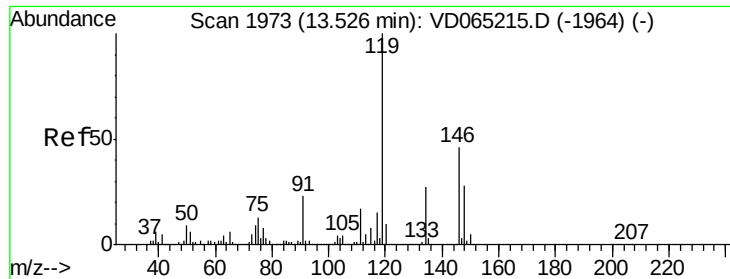
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 22.0 11.1 33.1





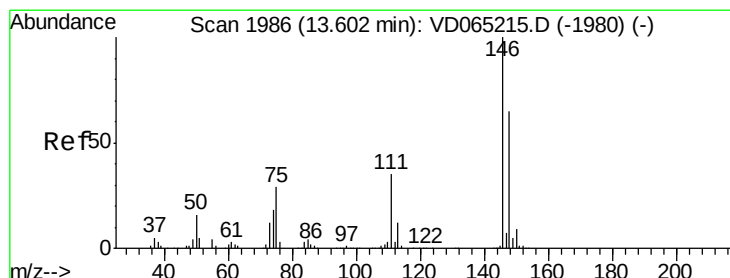
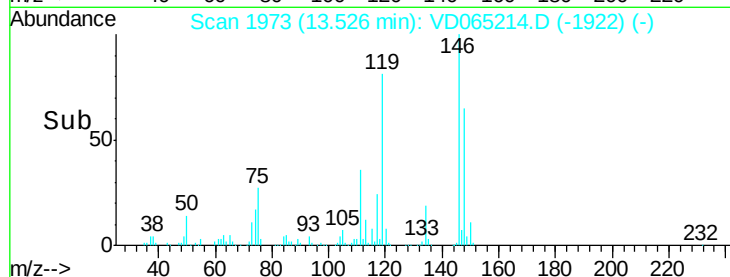
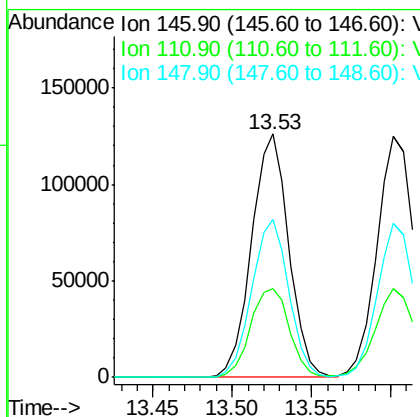
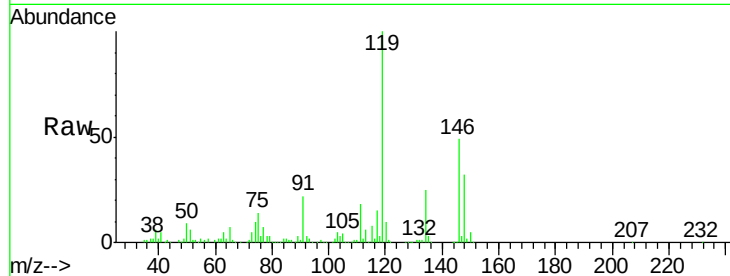
#87
 1,3-Dichlorobenzene
 Concen: 20.346 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.8
148	64.5	31.4	94.3

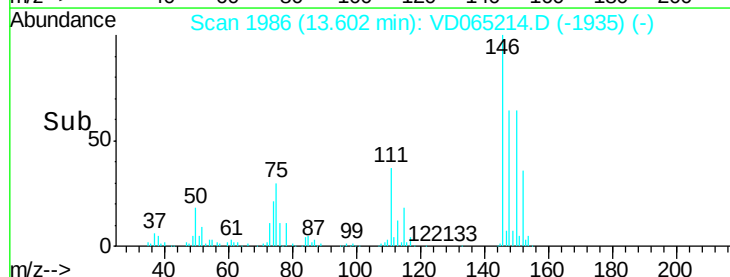
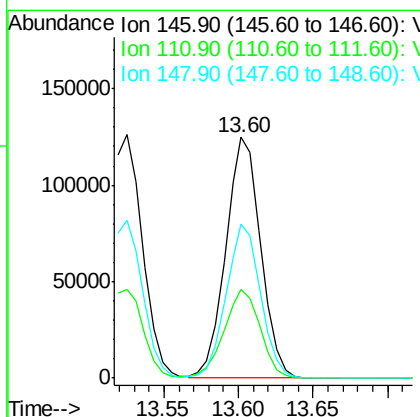
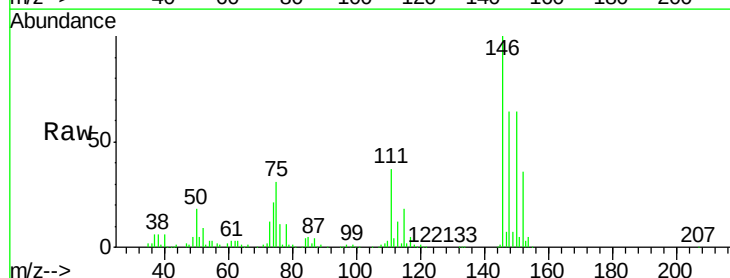
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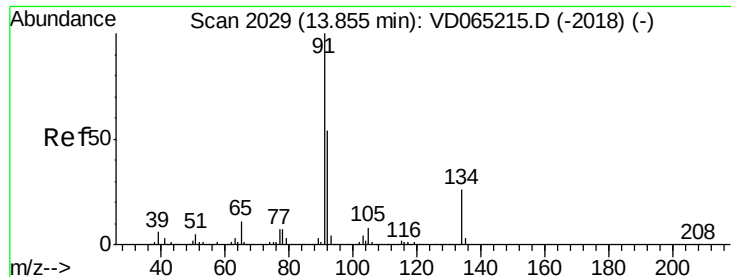
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#88
 1,4-Dichlorobenzene
 Concen: 20.370 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.4	55.2
148	63.4	32.1	96.5





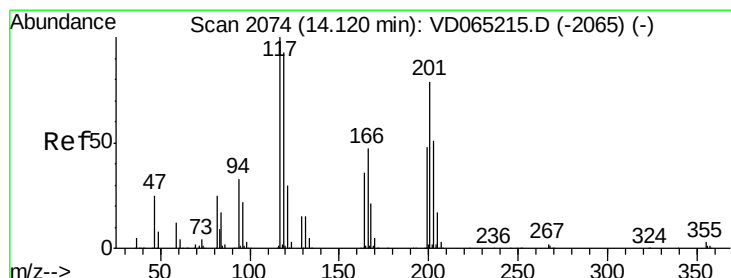
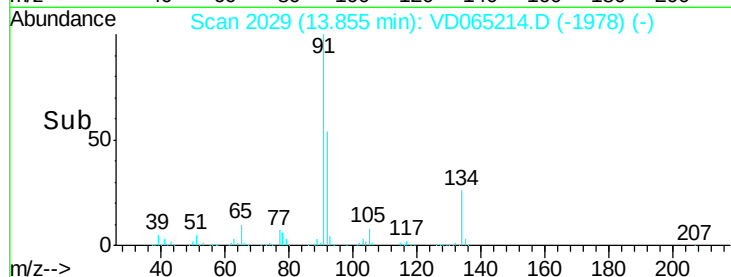
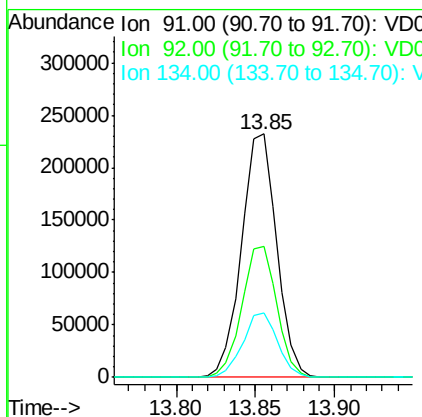
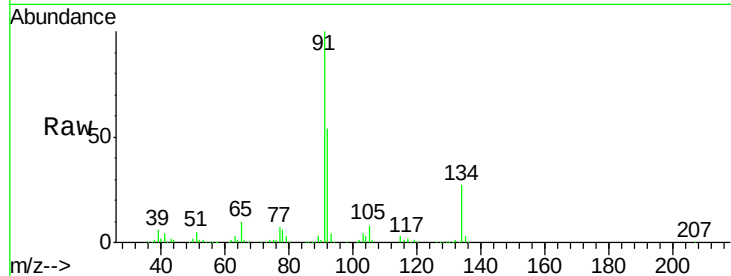
#89
n-Butylbenzene
Concen: 20.259 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	27.0	80.8	
134	26.3	13.5	40.4	

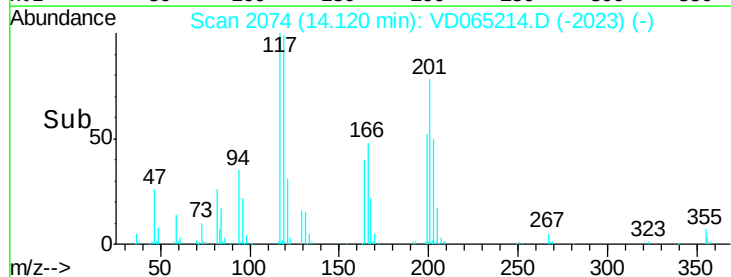
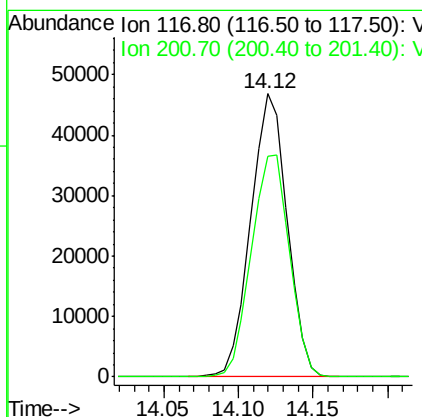
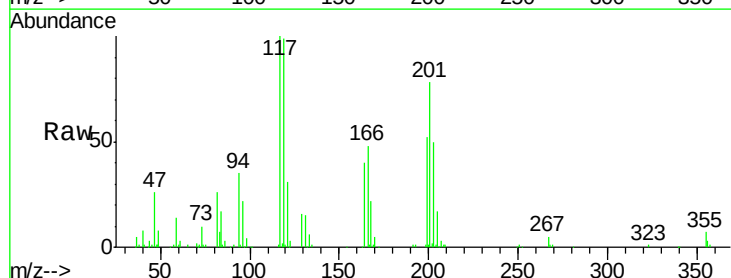
Manual Integrations
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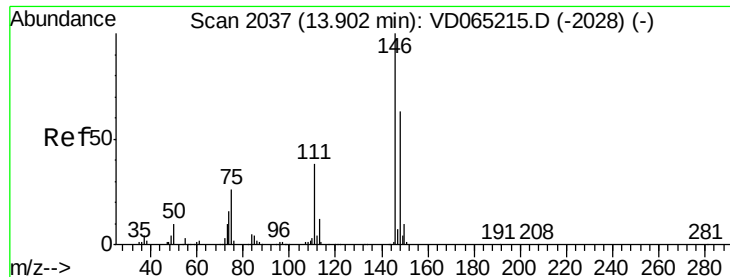
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#90
Hexachloroethane
Concen: 20.205 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	82.3	41.3	124.1	





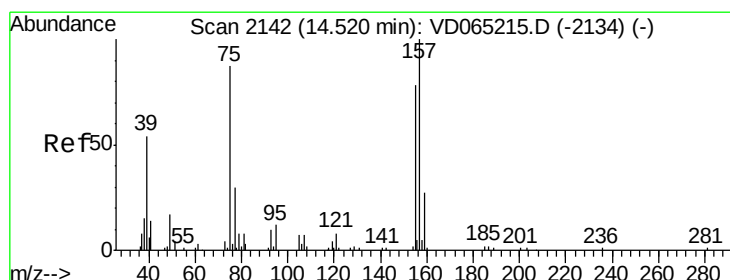
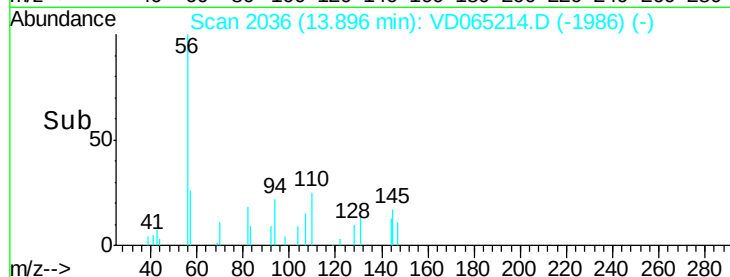
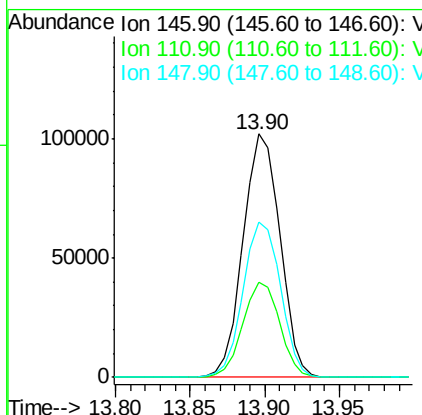
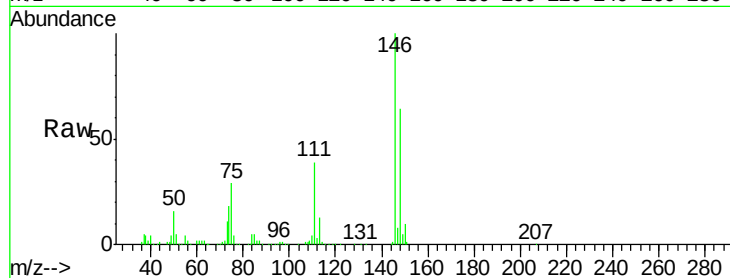
#91
 1,2-Dichlorobenzene
 Concen: 20.122 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.6	32.0	96.2

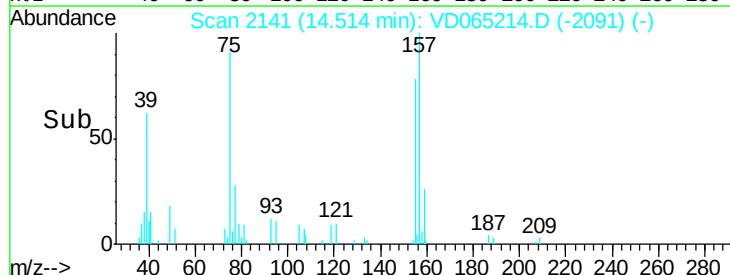
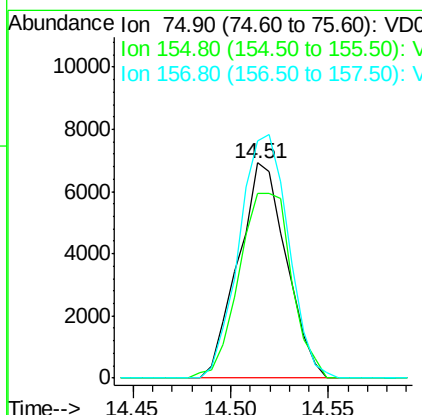
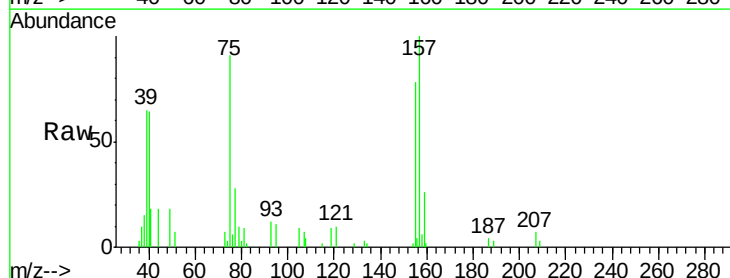
Manual Integrations
 APPROVED

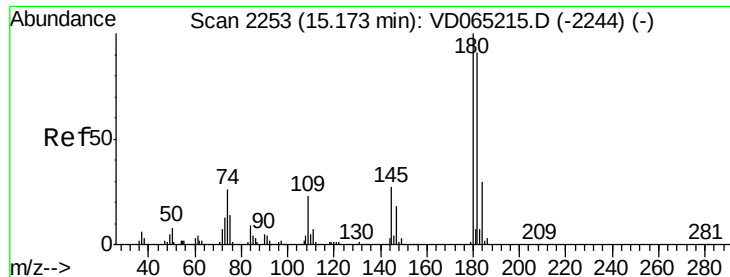
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.098 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	42.3	126.9
157	116.1	56.7	170.1





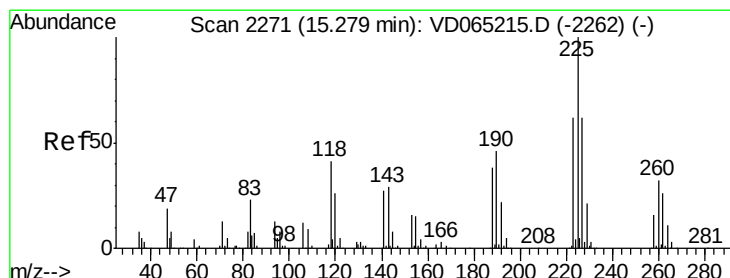
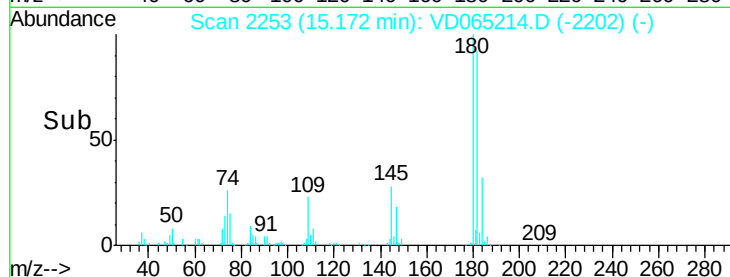
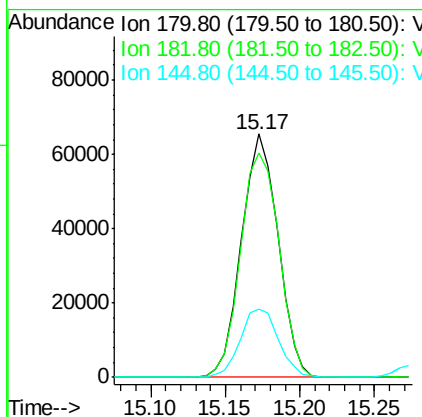
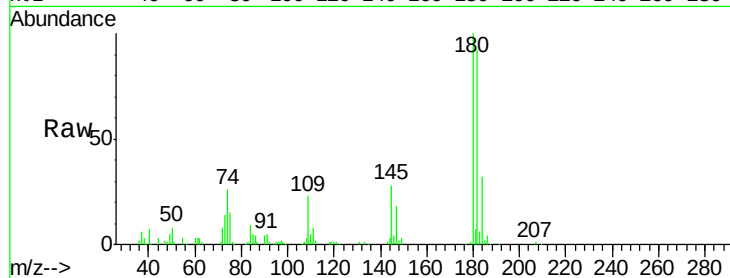
#93
1,2,4-Trichlorobenzene
Concen: 19.571 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	111414		
182	97.5	46.9	140.6	
145	29.4	13.9	41.7	

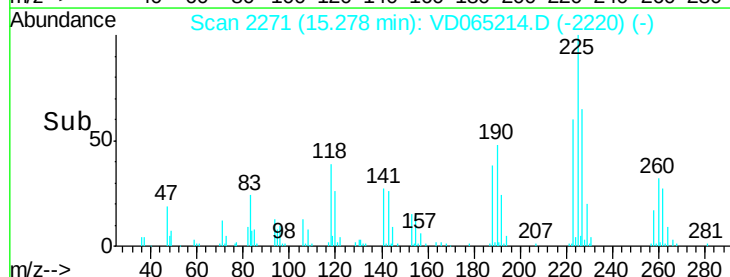
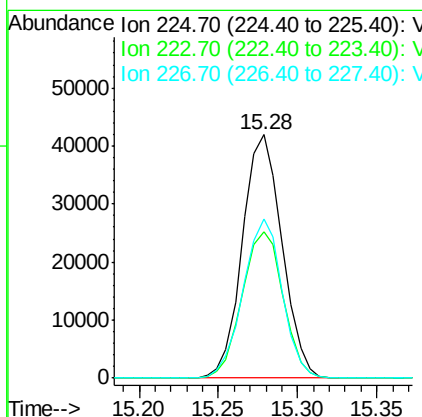
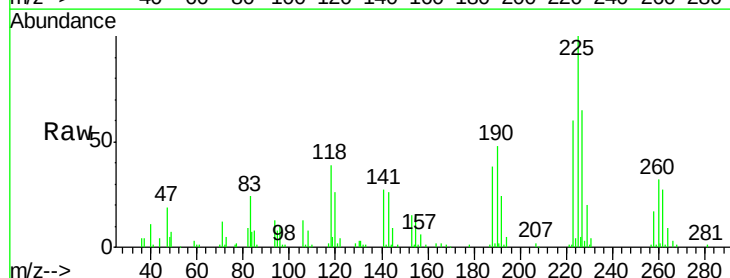
Manual Integrations
APPROVED

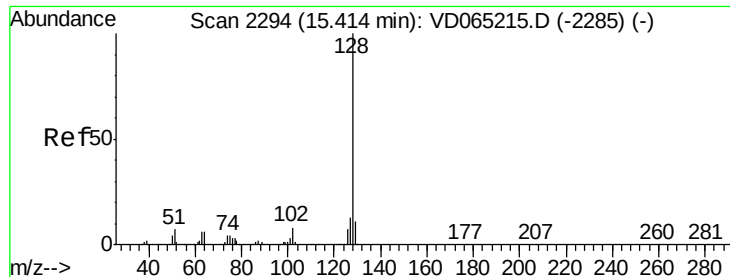
MMDadoda
2/19/2020 1:44:06 PM



#94
Hexachlorobutadiene
Concen: 19.956 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72874		
223	62.3	31.4	94.2	
227	64.4	31.7	95.1	





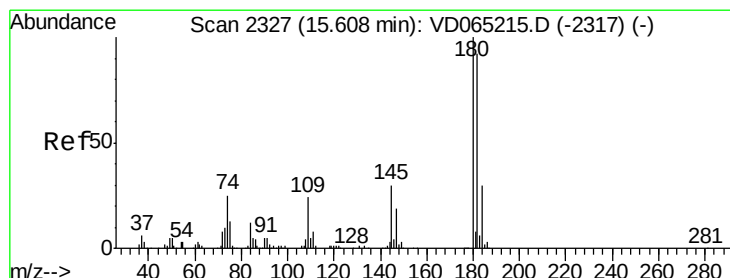
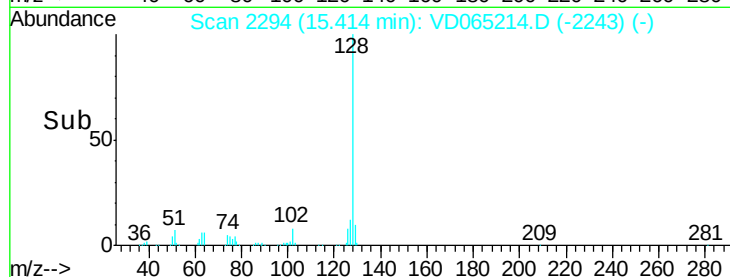
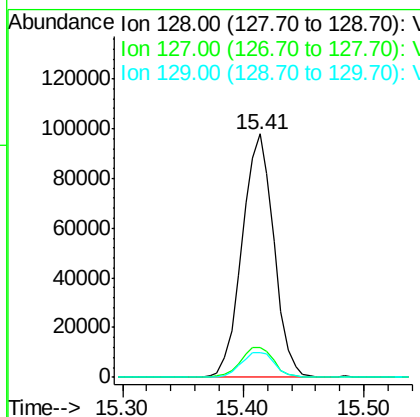
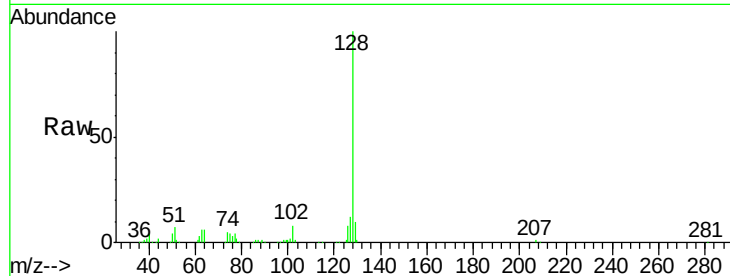
#95
Naphthalene
Concen: 19.301 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:44:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.091 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.9	140.6
145	29.8	15.4	46.1

