

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065307.D
 Acq On : 25 Feb 2020 13:13
 Operator : VA/SY
 Sample : VD0225SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/26/2020 10:25:42 AM

Quant Time: Feb 25 23:47:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	486012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	728830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	659302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	324324	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	212437	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
35) Dibromofluoromethane	7.92	113	226968	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.34	98	882905	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.64	95	278604	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74711	18.328	ug/l	99
3) Chloromethane	2.21	50	99354	19.149	ug/l	99
4) Vinyl Chloride	2.35	62	98527	18.675	ug/l	94
5) Bromomethane	2.76	94	60029	18.818	ug/l	98
6) Chloroethane	2.92	64	62402	19.377	ug/l	98
7) Trichlorofluoromethane	3.27	101	149318	19.768	ug/l	99
8) Diethyl Ether	3.71	74	46492	20.391	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95555	20.032	ug/l	98
10) Methyl Iodide	4.29	142	95329	19.248	ug/l	98
11) Tert butyl alcohol	5.26	59	25512	97.647	ug/l	99
12) 1,1-Dichloroethene	4.06	96	90765	20.143	ug/l	96
13) Acrolein	3.93	56	40257	109.331	ug/l	98
14) Allyl chloride	4.70	41	147824	20.202	ug/l	98
15) Acrylonitrile	5.43	53	103217	102.249	ug/l	100
16) Acetone	4.16	43	97918	91.617	ug/l	96
17) Carbon Disulfide	4.40	76	297843	19.715	ug/l	99
18) Methyl Acetate	4.73	43	53486	22.251	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	189424	20.159	ug/l	99
20) Methylene Chloride	4.96	84	112560	20.982	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	104016	20.305	ug/l	97
22) Diisopropyl ether	6.37	45	293835	20.830	ug/l	96
23) Vinyl Acetate	6.31	43	768244	98.787	ug/l	100
24) 1,1-Dichloroethane	6.27	63	181488	20.742	ug/l	98
25) 2-Butanone	7.22	43	126842	93.801	ug/l	94
26) 2,2-Dichloropropane	7.21	77	153231	20.185	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110168	20.303	ug/l	99
28) Bromochloromethane	7.55	49	59475	18.322	ug/l	99
29) Tetrahydrofuran	7.57	42	81279	102.585	ug/l	97
30) Chloroform	7.71	83	183873	20.859	ug/l	97
31) Cyclohexane	7.98	56	171734	19.977	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	162573	20.613	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142920	20.154	ug/l	99
37) Ethyl Acetate	7.30	43	58585	19.762	ug/l	100
38) Carbon Tetrachloride	8.10	117	149920	20.767	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164986	19.789	ug/l	99
40) Benzene	8.36	78	412352	20.600	ug/l	99
41) Methacrylonitrile	7.53	41	35731	20.874	ug/l #	65
42) 1,2-Dichloroethane	8.43	62	111040	20.179	ug/l	99
43) Isopropyl Acetate	8.46	43	106065	19.674	ug/l	98
44) Trichloroethene	9.12	130	115562	20.828	ug/l	94
45) 1,2-Dichloropropane	9.39	63	103273	20.749	ug/l	95
46) Dibromomethane	9.48	93	53168	20.761	ug/l	99
47) Bromodichloromethane	9.67	83	138599	20.537	ug/l	98
48) Methyl methacrylate	9.46	41	50709	20.350	ug/l	97
49) 1,4-Dioxane	9.47	88	12926	430.355	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	279453	102.058	ug/l	98
52) Toluene	10.41	92	266022	21.471	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	127656	20.407	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	155534	20.590	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	76614	21.255	ug/l	95
56) Ethyl methacrylate	10.67	69	84066	20.206	ug/l	96
57) 1,3-Dichloropropane	10.95	76	125468	20.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	127347	97.089	ug/l	99
59) 2-Hexanone	10.99	43	188094	95.962	ug/l	97
60) Dibromochloromethane	11.14	129	94688	20.524	ug/l	98
61) 1,2-Dibromoethane	11.25	107	71155	20.849	ug/l	100
64) Tetrachloroethene	10.88	164	98983	21.168	ug/l	96
65) Chlorobenzene	11.67	112	277171	20.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	101254	20.508	ug/l	98
67) Ethyl Benzene	11.75	91	478641	20.656	ug/l	99
68) m/p-Xylenes	11.86	106	379588	42.817	ug/l	99
69) o-Xylene	12.18	106	164490	20.943	ug/l	99
70) Styrene	12.20	104	293494	21.047	ug/l	99
71) Bromoform	12.37	173	57173	20.868	ug/l #	99
73) Isopropylbenzene	12.48	105	451756	21.040	ug/l	99
74) N-amyl acetate	12.30	43	93849	19.670	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	82265	21.229	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	52504m	19.027	ug/l	
77) Bromobenzene	12.77	156	111408	20.895	ug/l	98
78) n-propylbenzene	12.83	91	547943	21.236	ug/l	100
79) 2-Chlorotoluene	12.91	91	301472	20.856	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	380881	21.537	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24675	19.307	ug/l	98
82) 4-Chlorotoluene	13.01	91	321977	20.981	ug/l	100
83) tert-Butylbenzene	13.23	119	307942	20.776	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	369449	20.872	ug/l	99
85) sec-Butylbenzene	13.41	105	443713	20.775	ug/l	100
86) p-Isopropyltoluene	13.53	119	405644	20.769	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	211711	20.539	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	210324	20.675	ug/l	98
89) n-Butylbenzene	13.86	91	374370	20.801	ug/l	99
90) Hexachloroethane	14.12	117	81137	20.459	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	186446	21.066	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11607	19.436	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119807	20.695	ug/l	97
94) Hexachlorobutadiene	15.28	225	77390	20.839	ug/l	100
95) Naphthalene	15.41	128	191377	20.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105984	20.962	ug/l	99

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

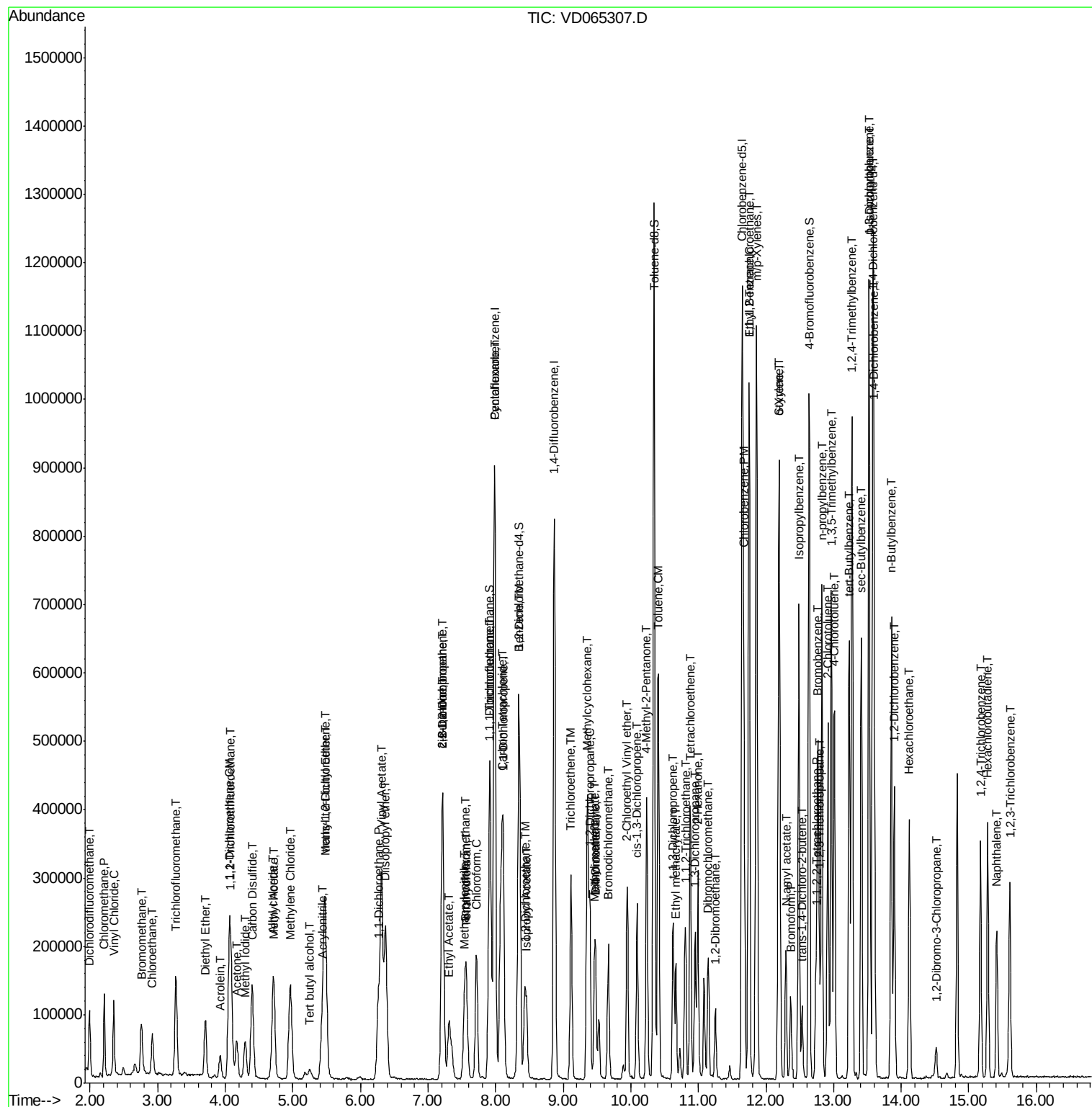
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022520\
Data File : VD065307.D
Acq On : 25 Feb 2020 13:13
Operator : VA/SY
Sample : VD0225SBSD01
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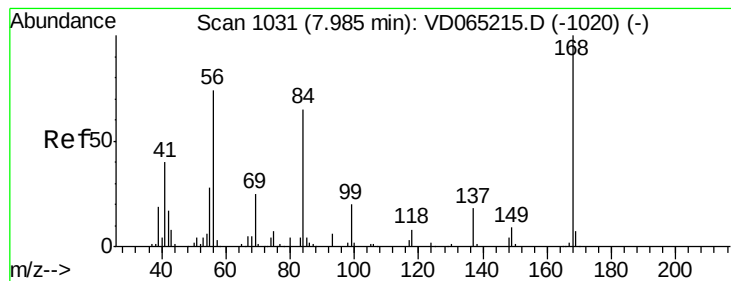
Instrument :
MSVOA_D
Client Sample Id :
VD0225SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBSD01

Tot Ion:168 Resp: 486012

Ion Ratio Lower Upper

168 100

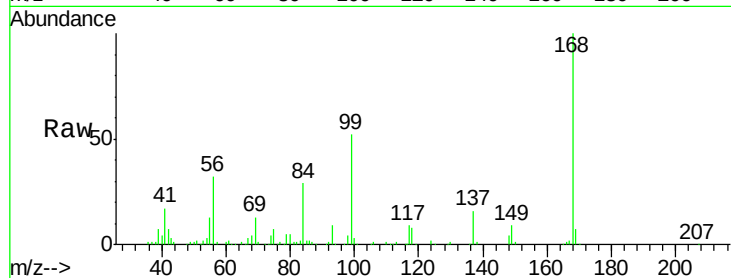
99 52.1 41.4 62.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

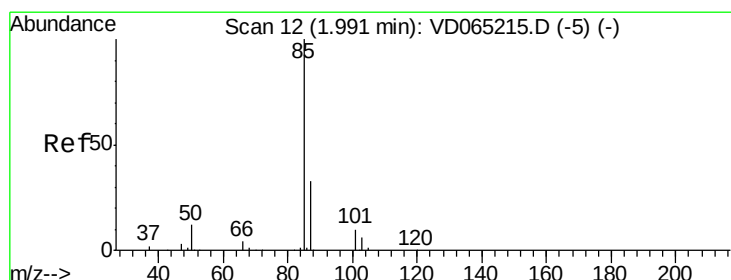
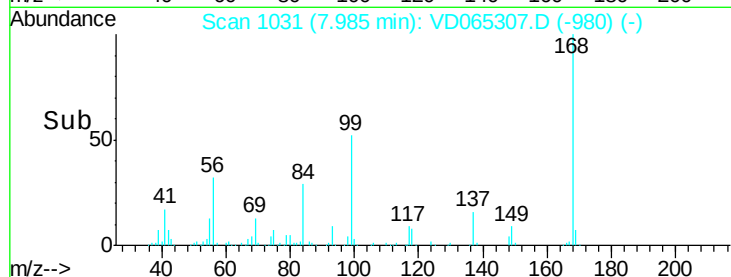
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.328 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065307.D

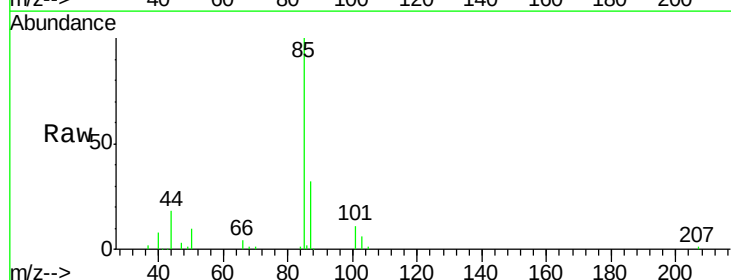
Acq: 25 Feb 2020 13:13

Tgt Ion: 85 Resp: 74711

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

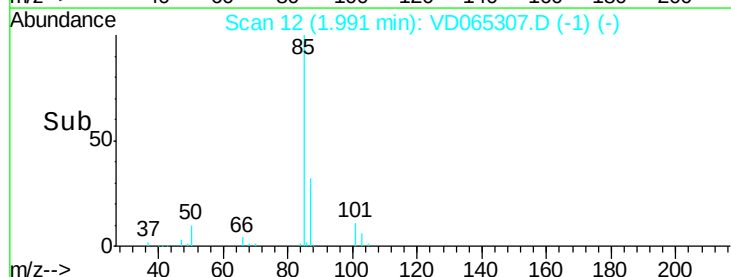
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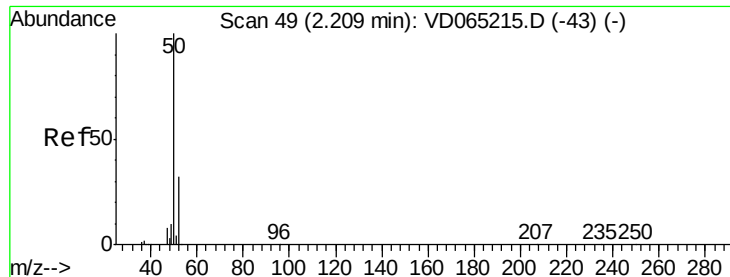
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.149 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 50 Resp: 99354

Ion Ratio Lower Upper

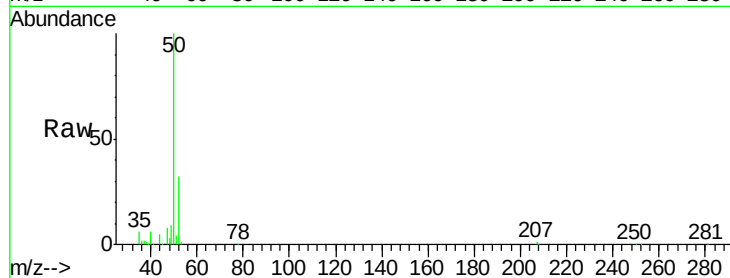
50 100

52 31.6 25.5 38.3

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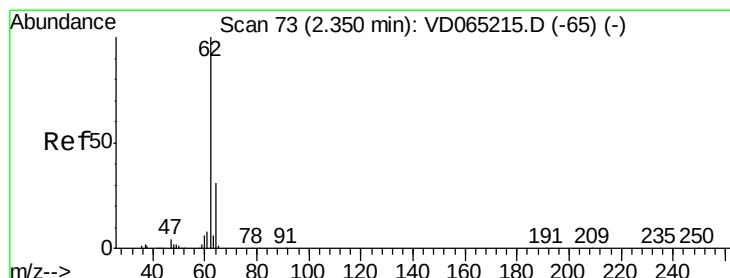
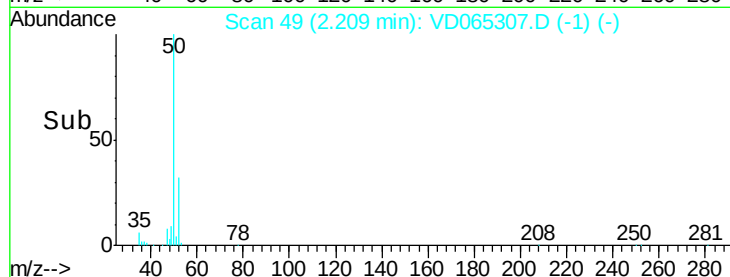
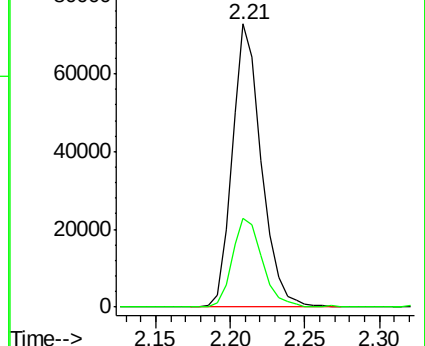
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.675 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065307.D

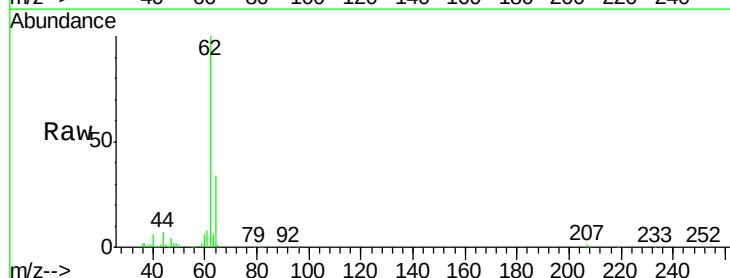
Acq: 25 Feb 2020 13:13

Tgt Ion: 62 Resp: 98527

Ion Ratio Lower Upper

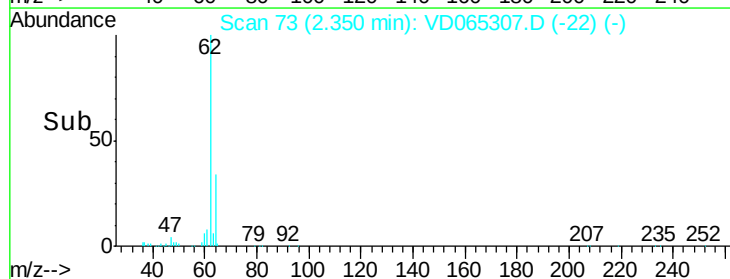
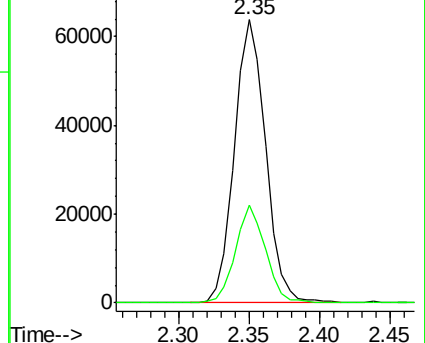
62 100

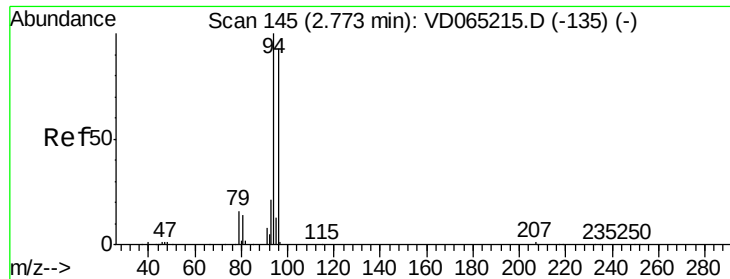
64 34.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.818 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 94 Resp: 60029

Ion Ratio Lower Upper

94 100

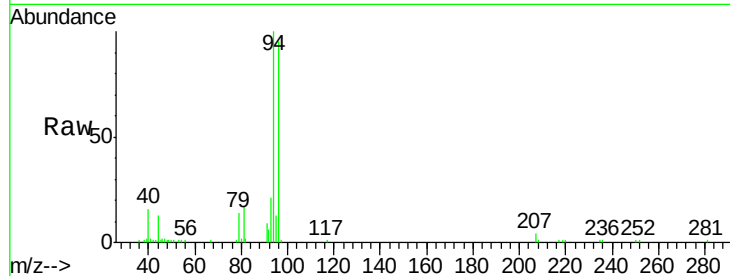
96 94.6 74.2 111.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

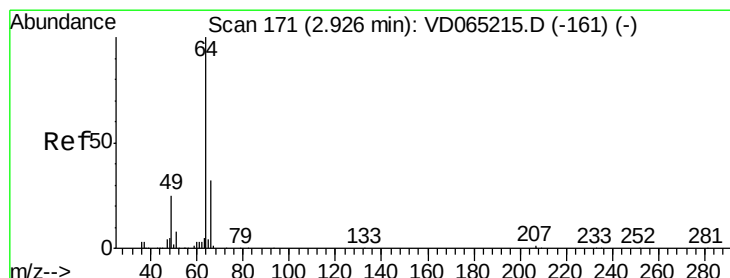
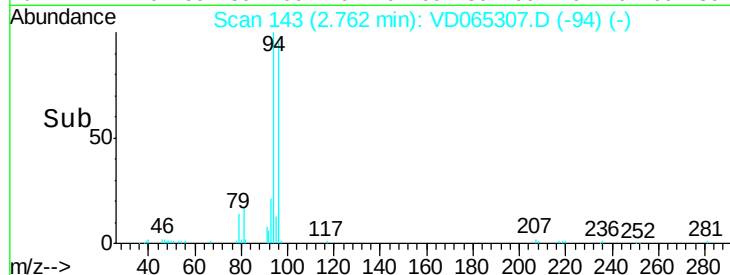
15000

10000

5000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 19.377 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065307.D

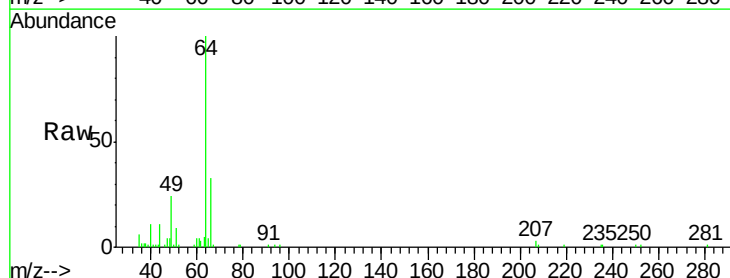
Acq: 25 Feb 2020 13:13

Tgt Ion: 64 Resp: 62402

Ion Ratio Lower Upper

64 100

66 33.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

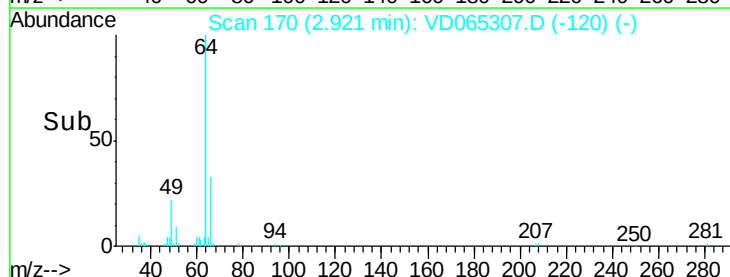
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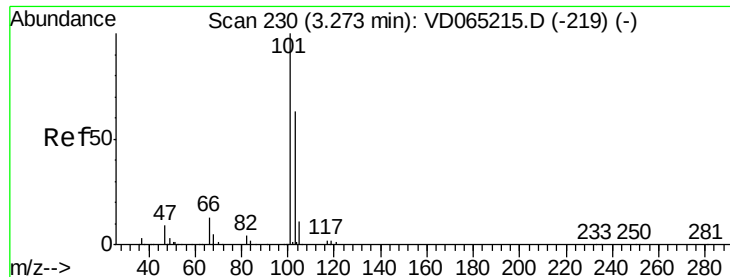
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10000

0

Time--> 2.80 2.90 3.00





#7

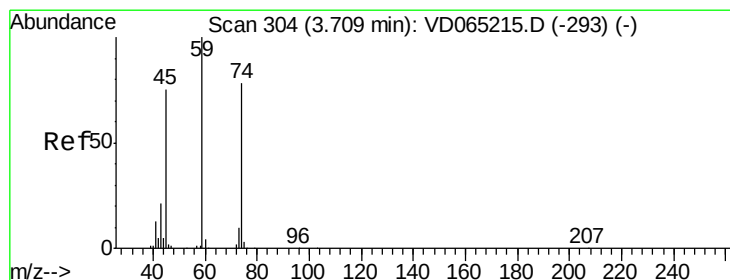
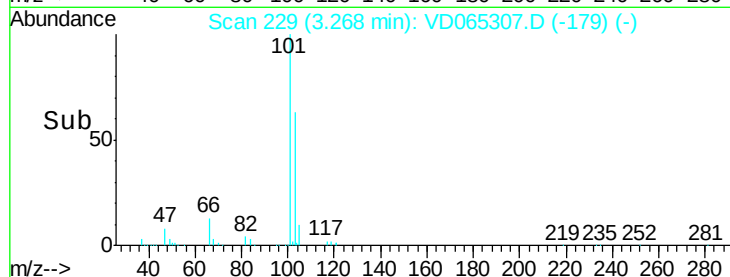
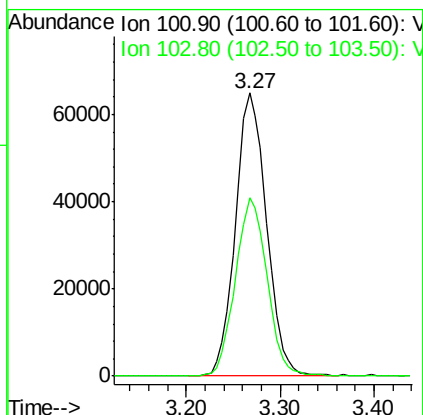
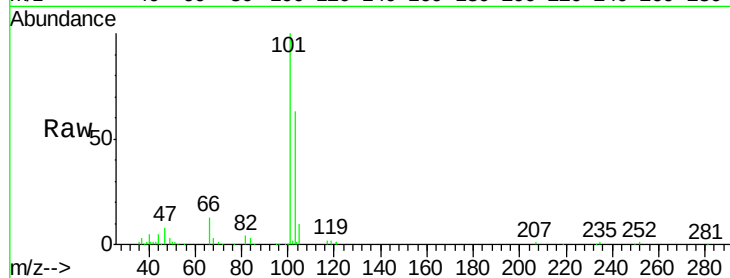
Trichlorofluoromethane
 Concen: 19.768 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

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 VD0225SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	50.7	76.1

Manual Integrations
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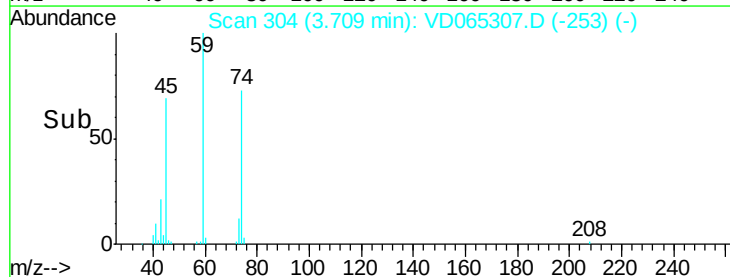
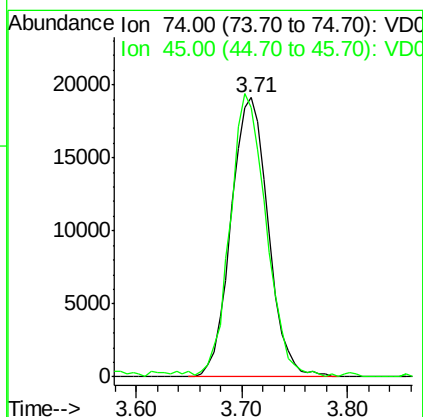
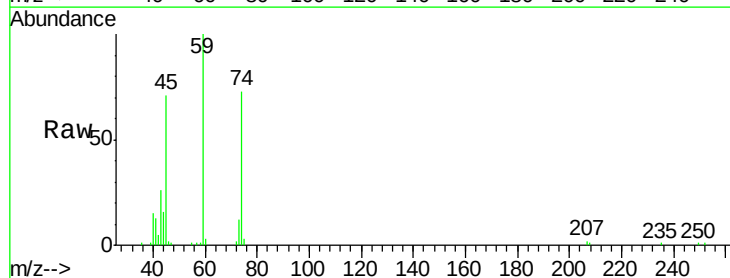
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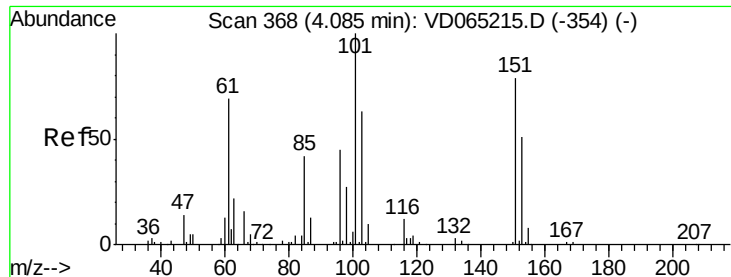


#8

Diethyl Ether
 Concen: 20.391 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065307.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.032 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

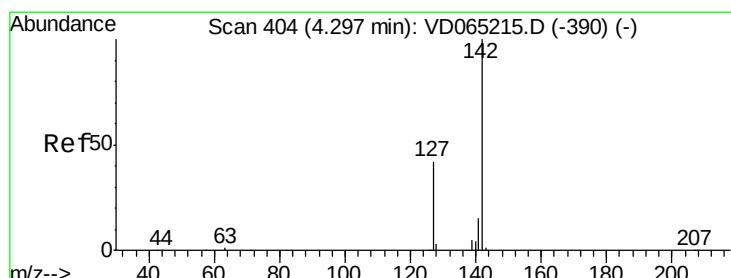
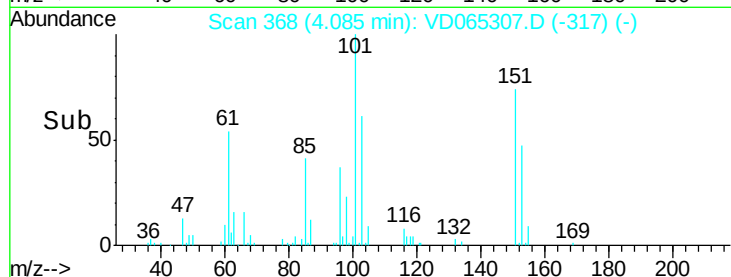
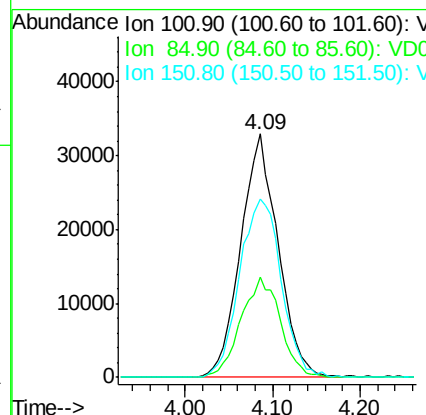
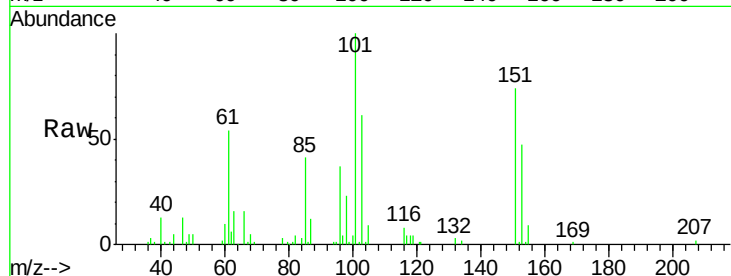
ClientSampleId :

VD0225SBS01

Tot Ion:	101	Resp:	95555
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.2
151	81.7	63.5	95.3

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#10

Methyl Iodide

Concen: 19.248 ug/l

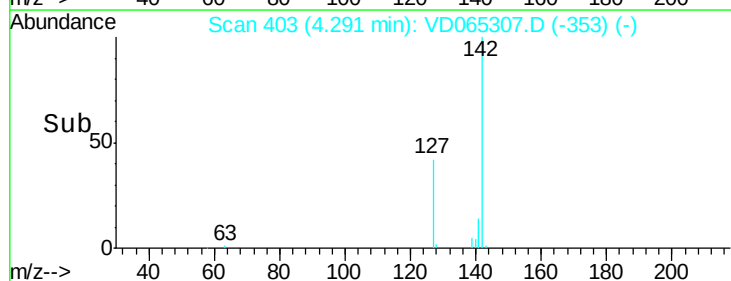
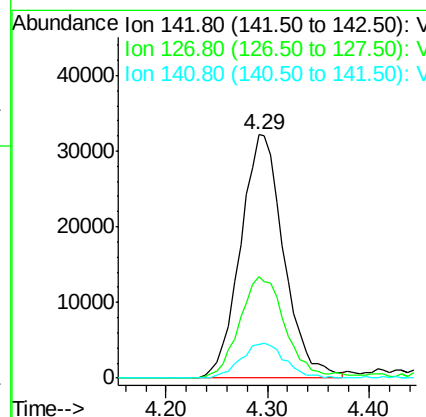
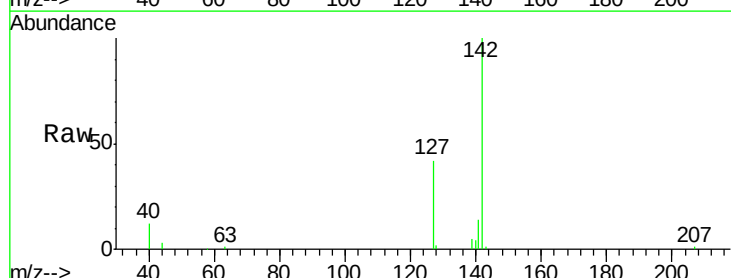
RT: 4.29 min Scan# 403

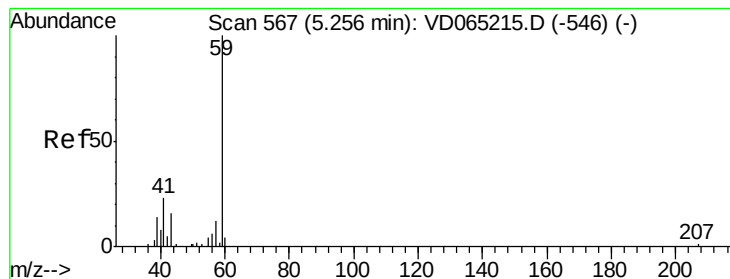
Delta R.T. -0.01 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Tgt Ion:	142	Resp:	95329
Ion Ratio	Lower	Upper	
142	100		
127	43.6	33.8	50.8
141	14.4	11.7	17.5





#11

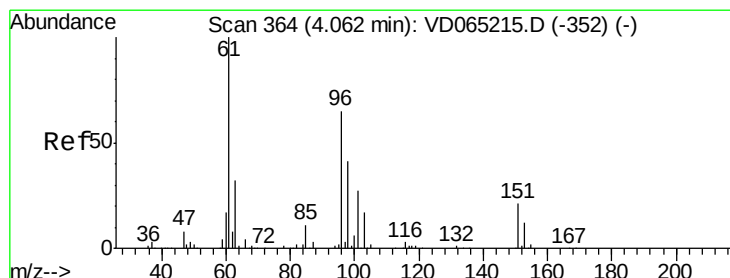
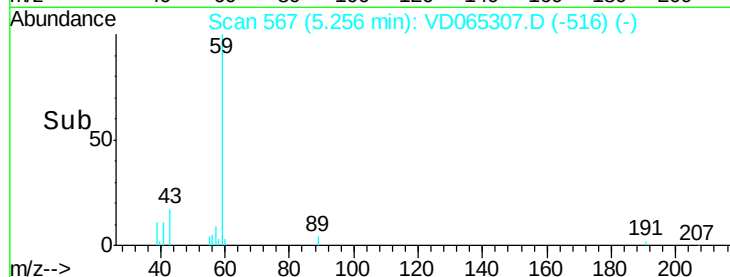
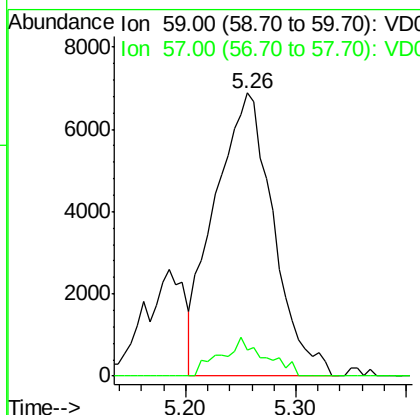
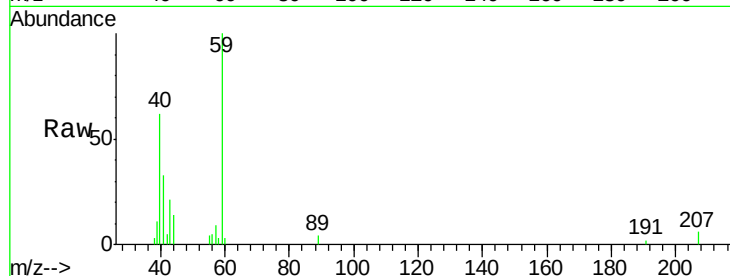
Tert butyl alcohol
Concen: 97.647 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampled :
VD0225SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	25512		
57	10.1		8.4	12.6

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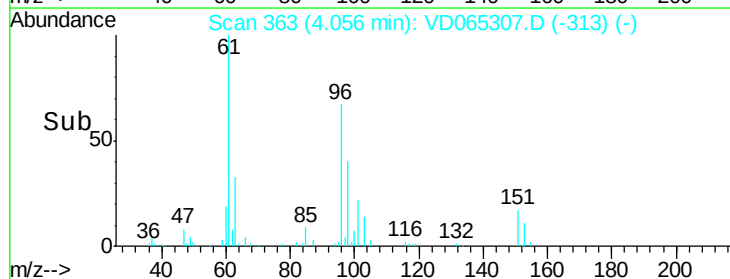
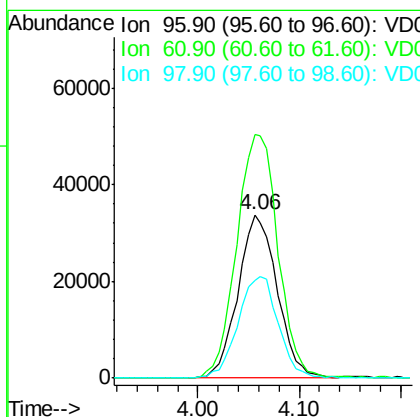
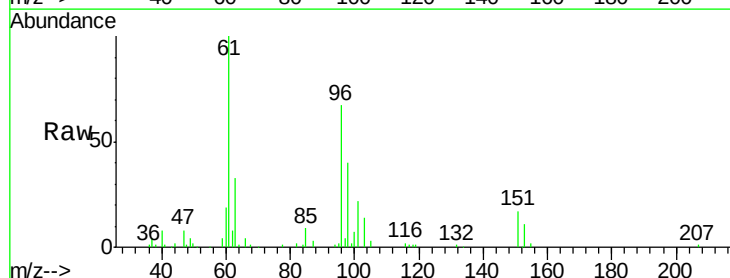
MMDadoda
2/26/2020 10:25:42 AM

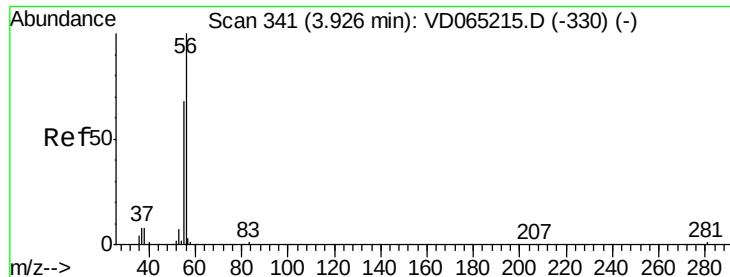


#12

1,1-Dichloroethene
Concen: 20.143 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	90765		
61	148.8		123.3	184.9
98	59.9		51.0	76.4





#13

Acrolein

Concen: 109.331 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBSD01

Tot Ion: 56 Resp: 40257

Ion Ratio Lower Upper

56 100

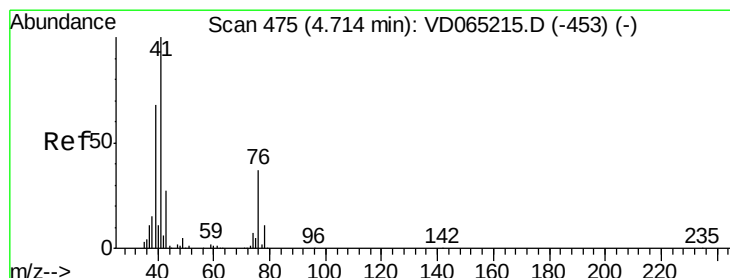
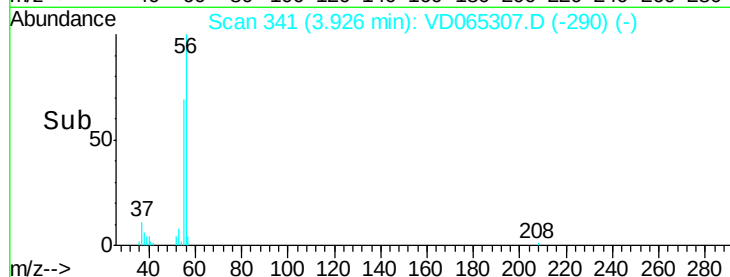
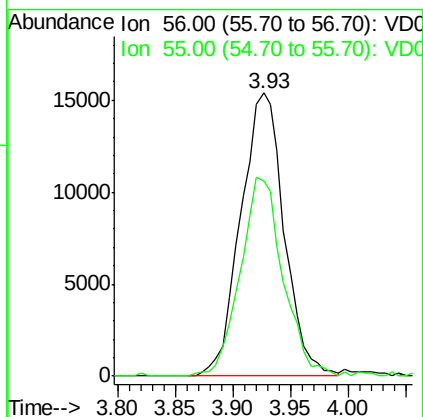
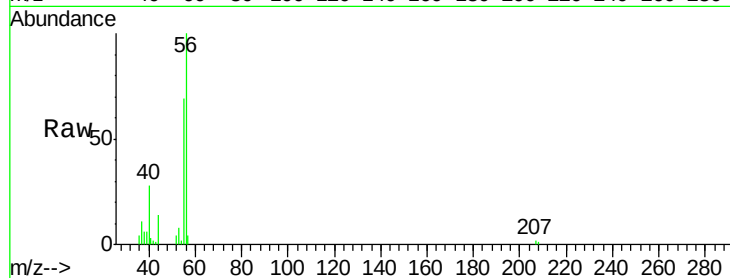
55 69.1 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.202 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

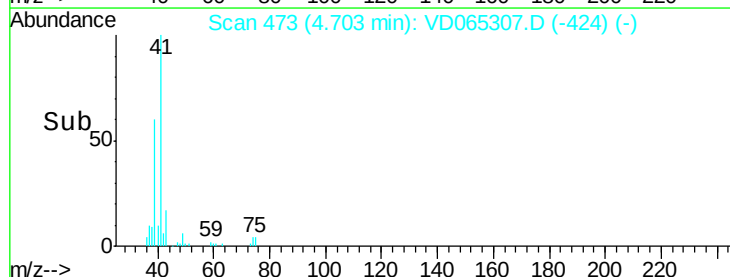
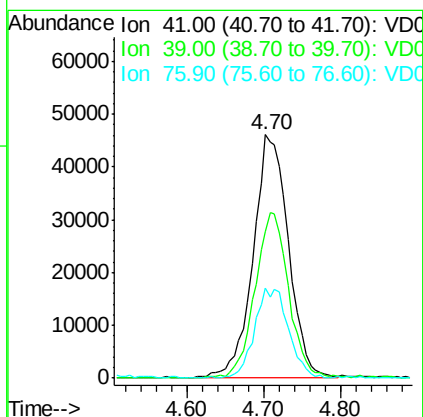
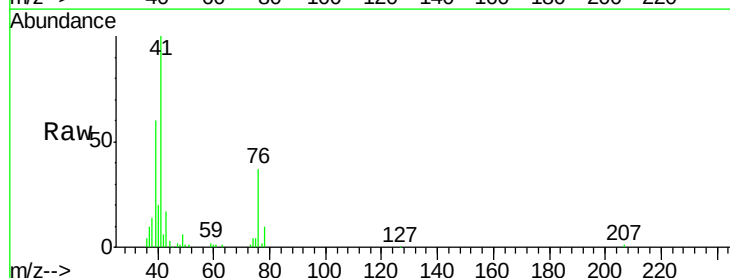
Tgt Ion: 41 Resp: 147824

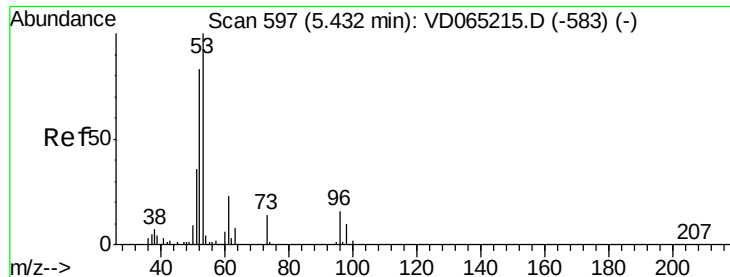
Ion Ratio Lower Upper

41 100

39 64.6 53.8 80.6

76 35.4 28.7 43.1





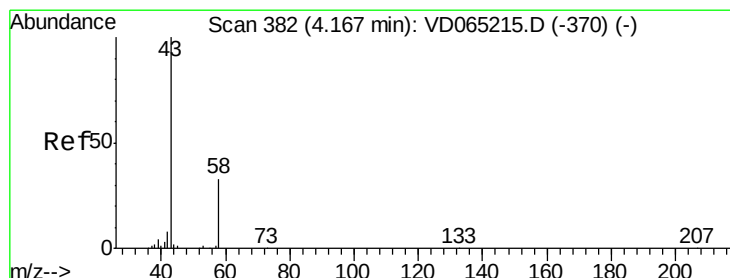
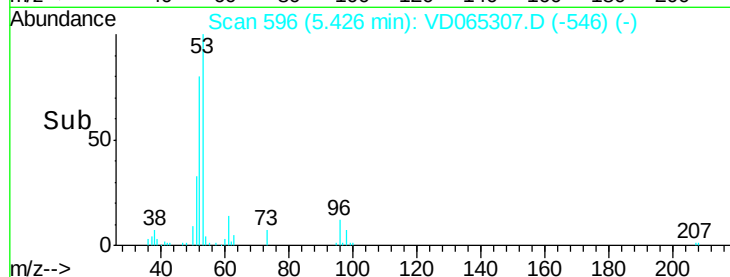
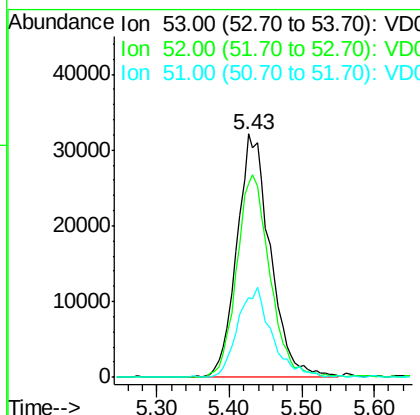
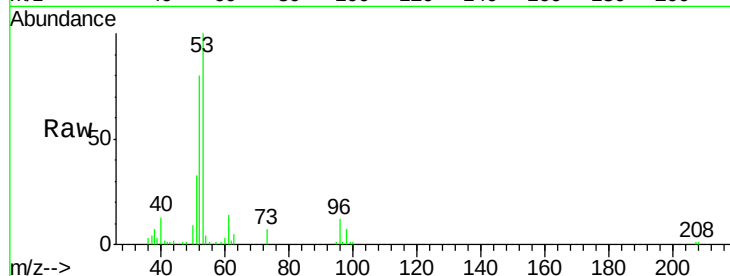
#15
 Acrylonitrile
 Concen: 102.249 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.4	98.2
51	37.1	29.5	44.3

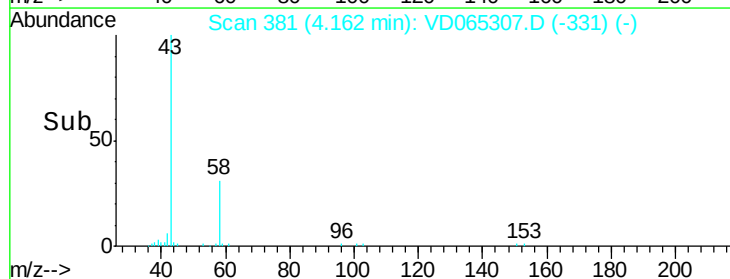
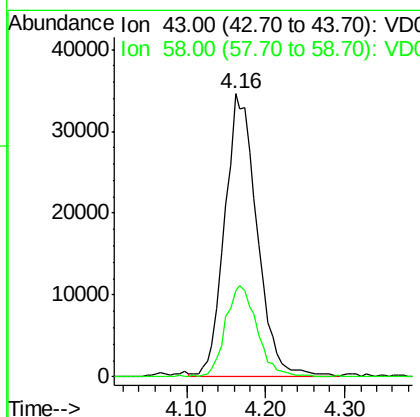
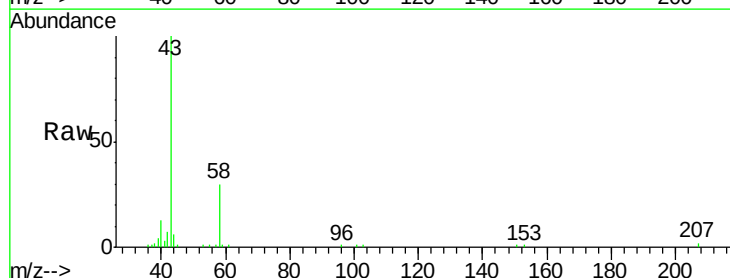
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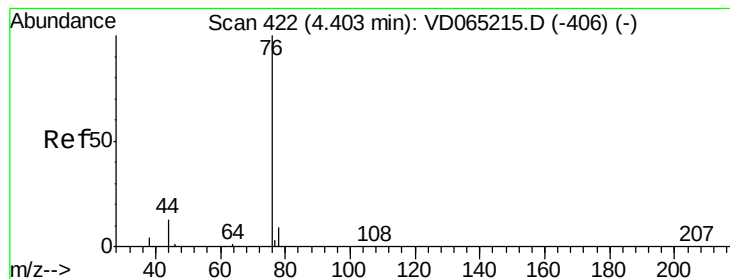
MMDadoda
 2/26/2020 10:25:42 AM



#16
 Acetone
 Concen: 91.617 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.4	26.2	39.2





#17

Carbon Disulfide

Concen: 19.715 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBSD01

Tot Ion: 76 Resp: 297843

Ion Ratio Lower Upper

76 100

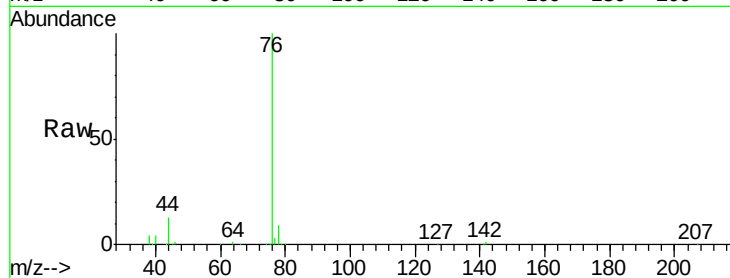
78 9.1 7.0 10.6

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

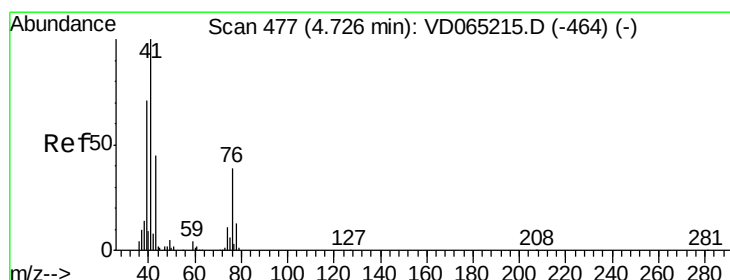
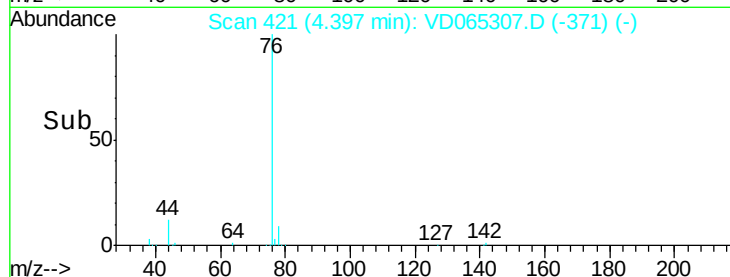
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 22.251 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065307.D

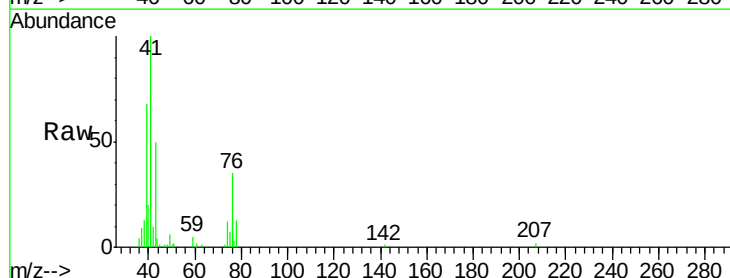
Acq: 25 Feb 2020 13:13

Tgt Ion: 43 Resp: 53486

Ion Ratio Lower Upper

43 100

74 22.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

20000

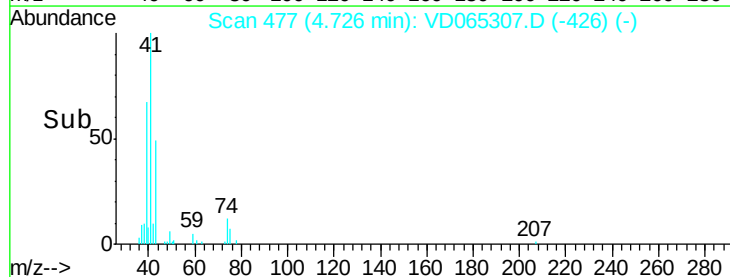
15000

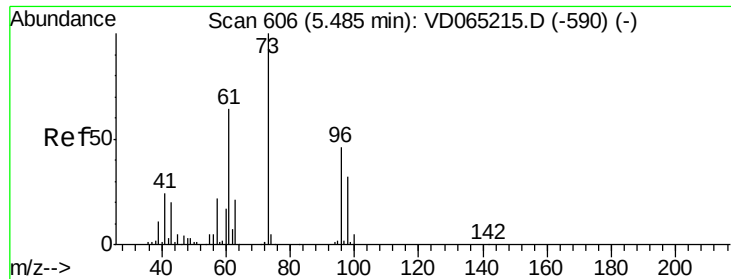
10000

5000

0

Time-->





#19

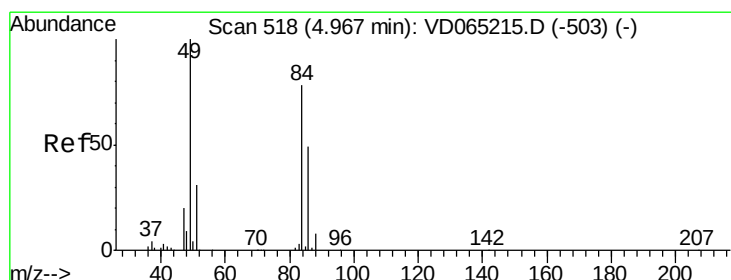
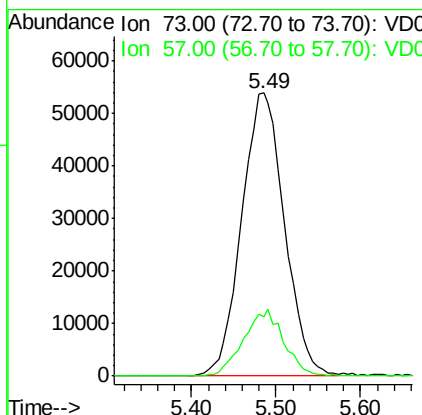
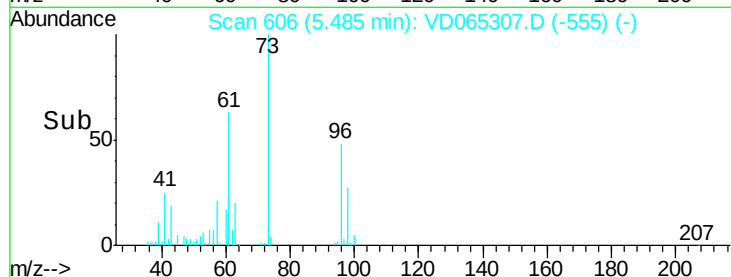
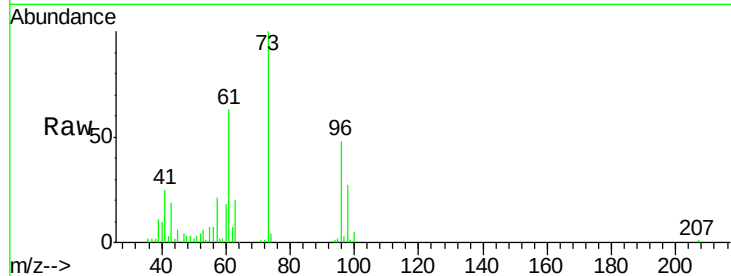
Methyl tert-butyl Ether
 Concen: 20.159 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion: 73 Resp: 189424
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.3 25.9

Manual Integrations
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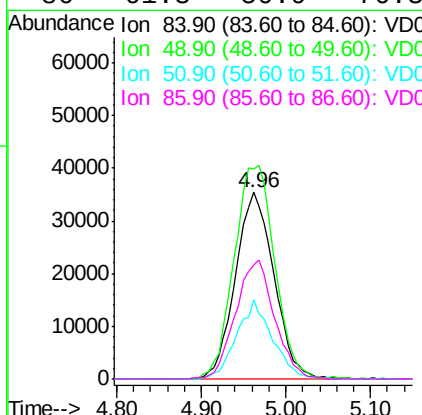
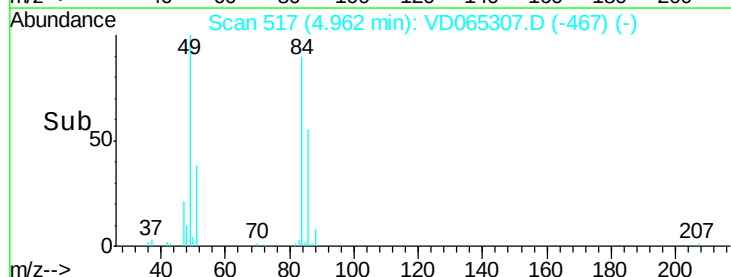
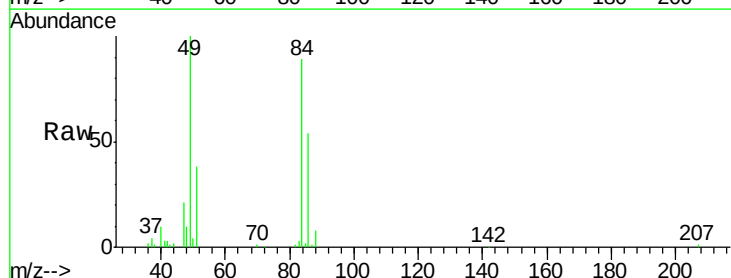
MMDadoda
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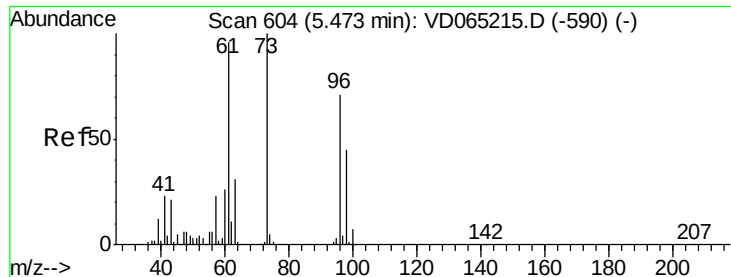


#20

Methylene Chloride
 Concen: 20.982 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion: 84 Resp: 112560
 Ion Ratio Lower Upper
 84 100
 49 112.7 103.1 154.7
 51 42.3 31.7 47.5
 86 61.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.305 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

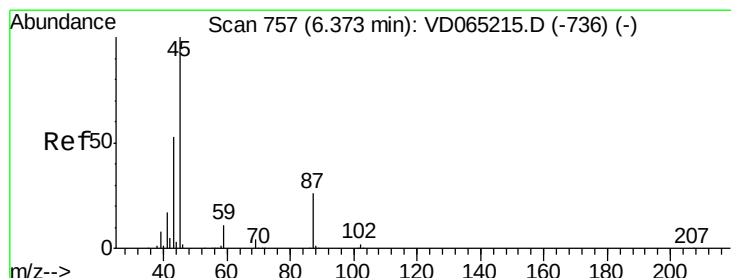
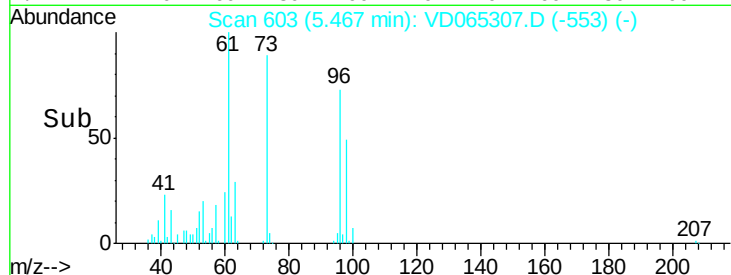
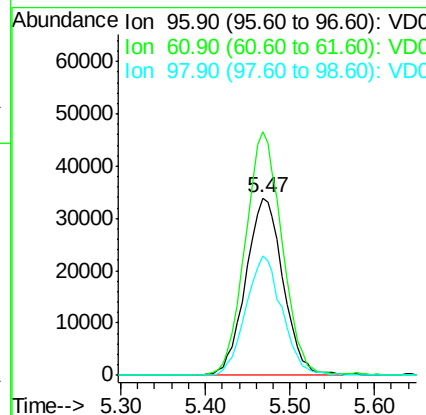
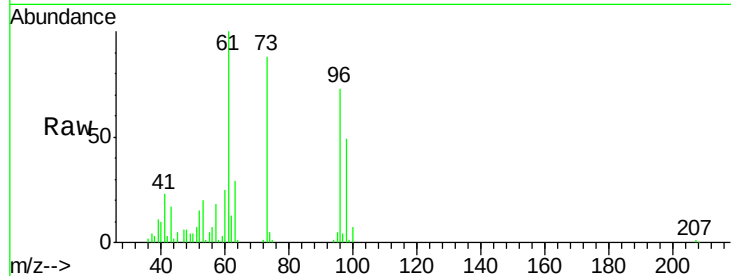
ClientSampleId :

VD0225SBS01

Tot Ion:	96	Resp:	104016
Ion Ratio	Lower	Upper	
96	100		
61	137.4	108.3	162.5
98	67.2	50.7	76.1

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#22

Diisopropyl ether

Concen: 20.830 ug/l

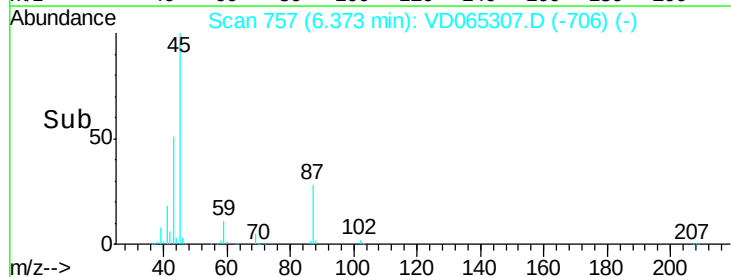
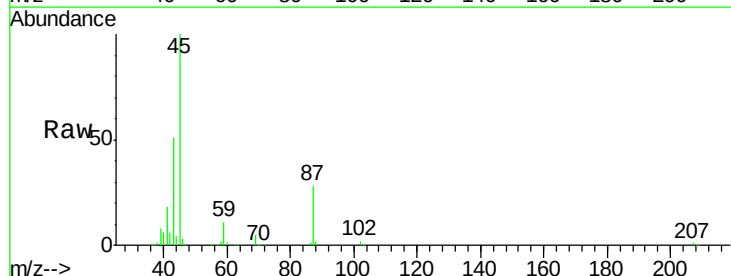
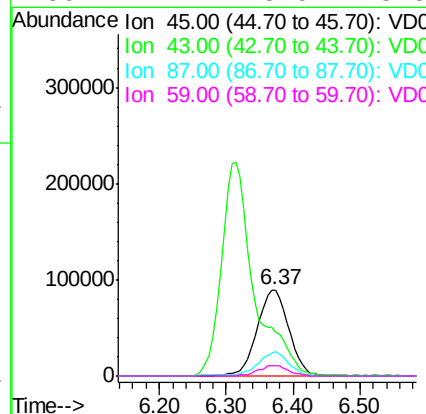
RT: 6.37 min Scan# 757

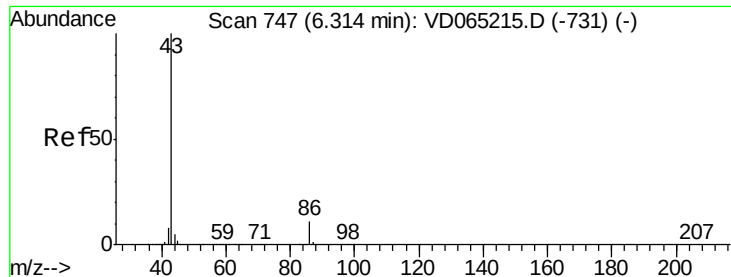
Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Tgt Ion:	45	Resp:	293835
Ion Ratio	Lower	Upper	
45	100		
43	49.9	42.6	64.0
87	27.9	21.2	31.8
59	11.4	8.9	13.3





#23

Vinyl Acetate

Concen: 98.787 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleID :

VD0225SBS01

Tot Ion: 43 Resp: 768244

Ion Ratio Lower Upper

43 100

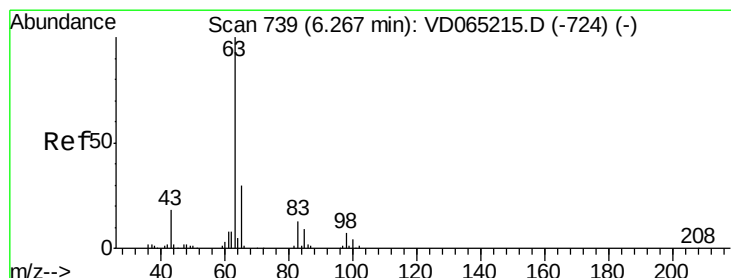
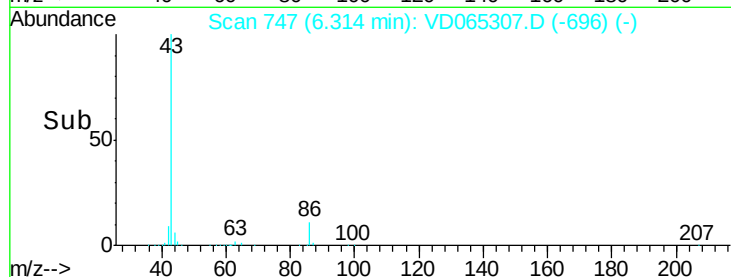
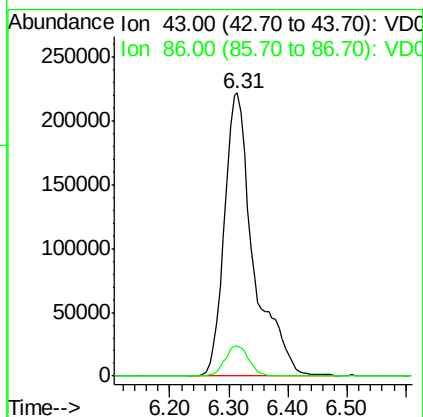
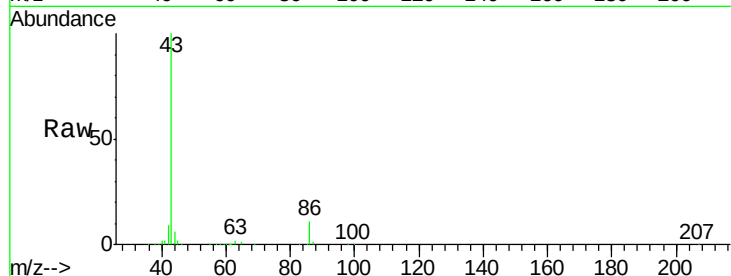
86 10.5 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.742 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

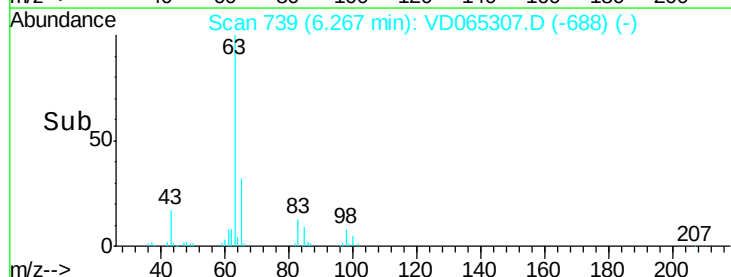
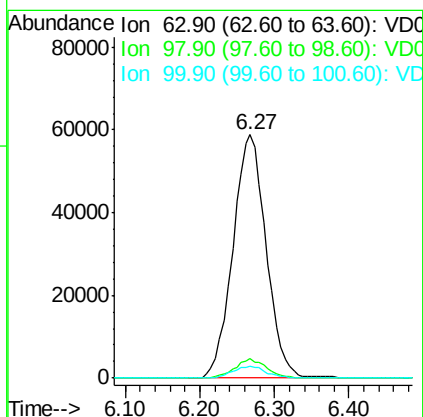
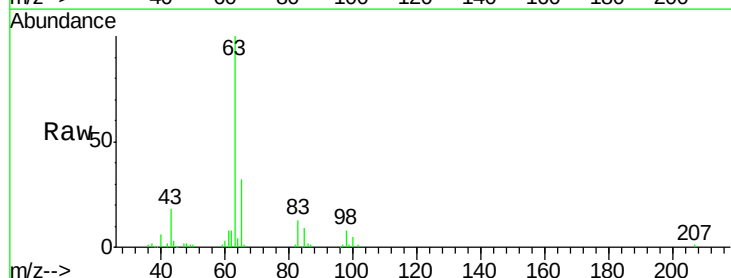
Tgt Ion: 63 Resp: 181488

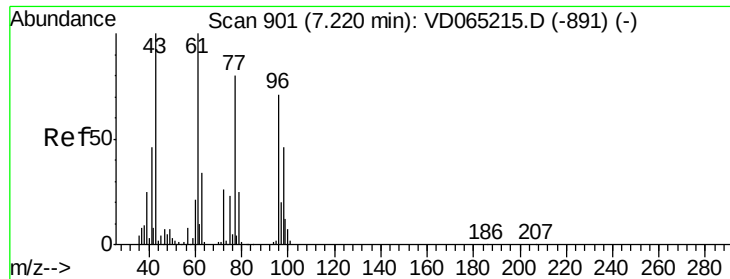
Ion Ratio Lower Upper

63 100

98 7.9 3.4 10.1

100 4.8 2.3 6.8





#25

2-Butanone

Concen: 93.801 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBSD01

Tot Ion: 43 Resp: 126842

Ion Ratio Lower Upper

43 100

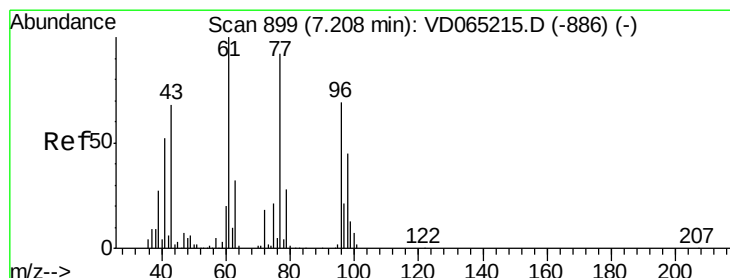
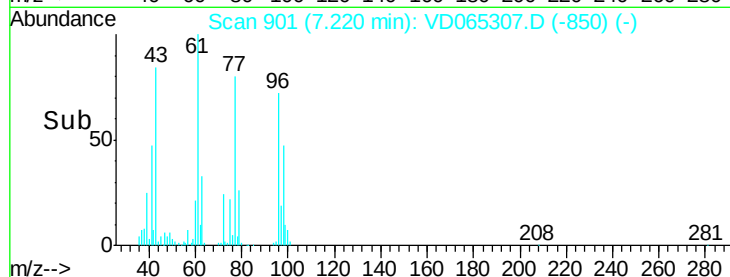
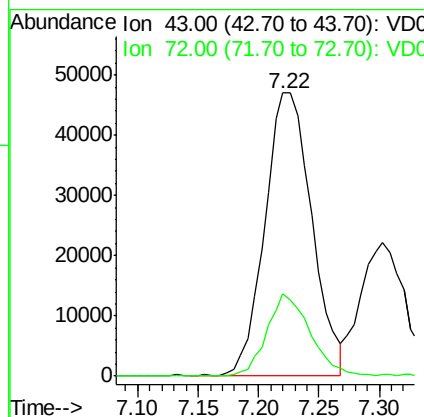
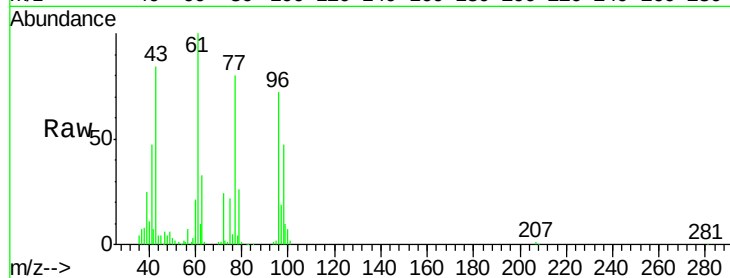
72 28.9 20.9 31.3

Manual Integrations

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2/26/2020 10:25:42 AM



#26

2,2-Dichloropropane

Concen: 20.185 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065307.D

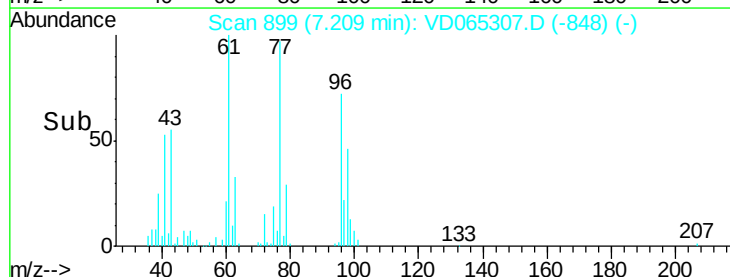
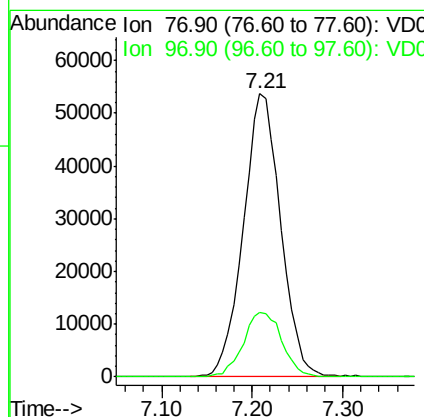
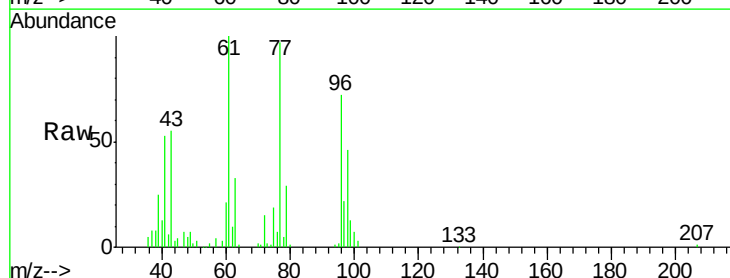
Acq: 25 Feb 2020 13:13

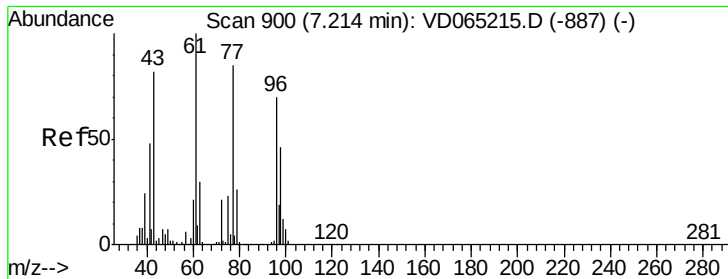
Tgt Ion: 77 Resp: 153231

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.1





#27

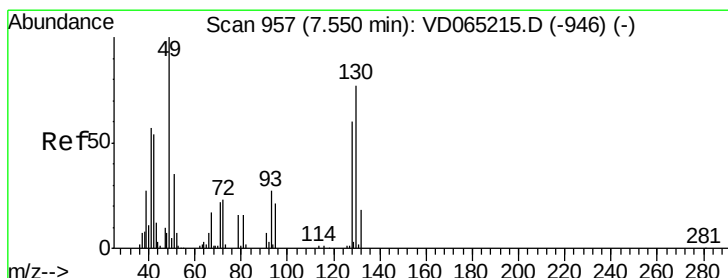
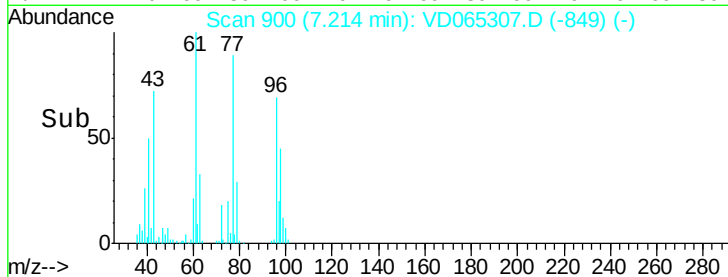
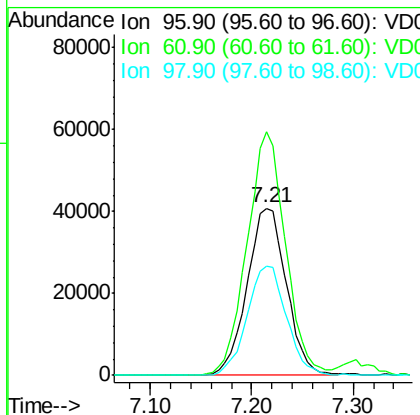
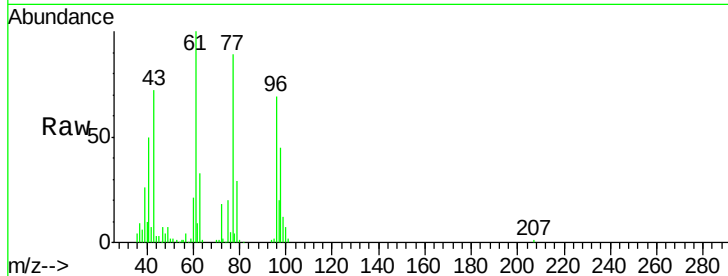
cis-1,2-Dichloroethene
Concen: 20.303 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.7	0.0	286.0	
98	65.5	0.0	127.8	

Manual Integrations
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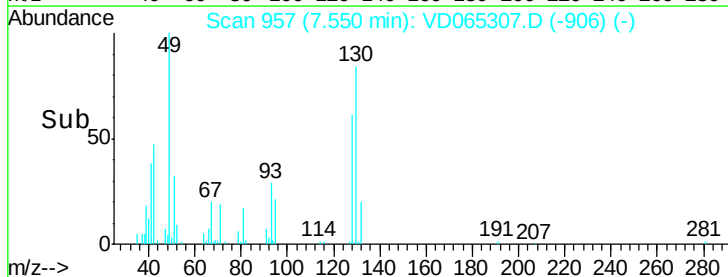
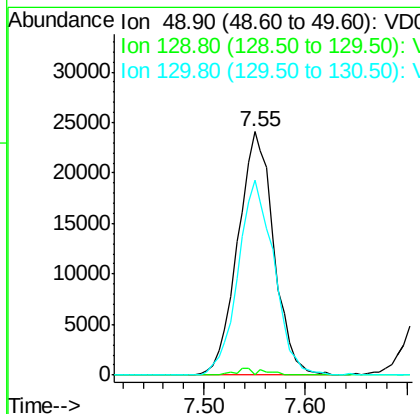
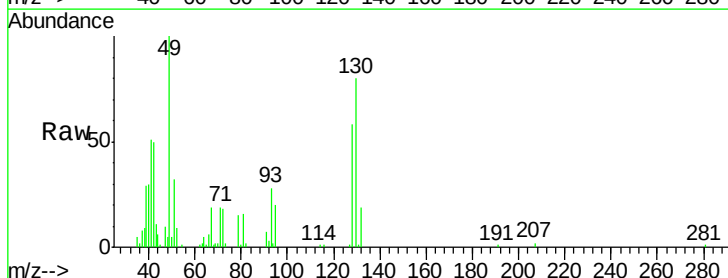
MMDadoda
2/26/2020 10:25:42 AM

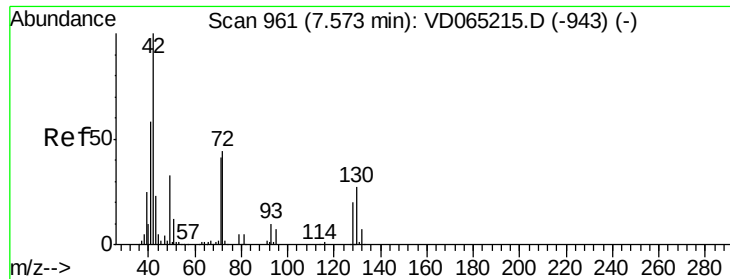


#28

Bromochloromethane
Concen: 18.322 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	4.6	
130	80.2	64.7	97.1	





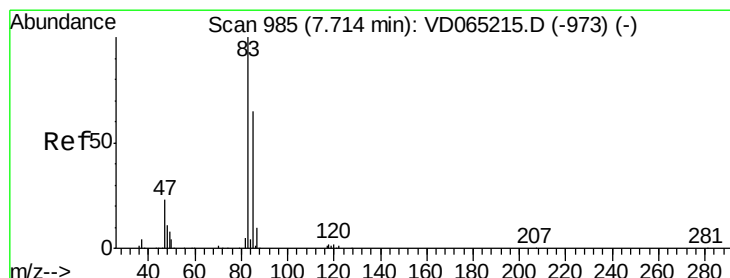
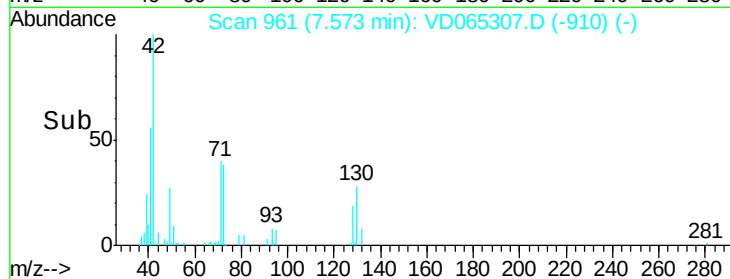
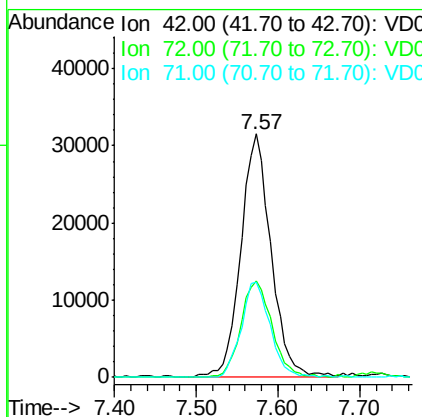
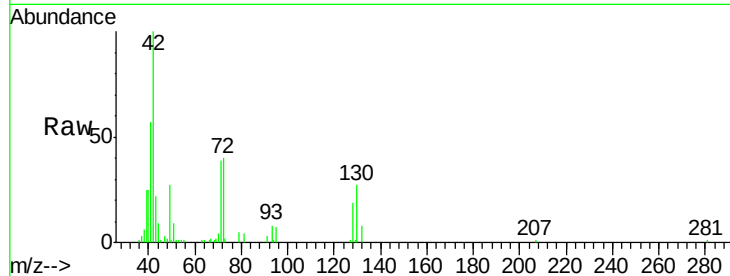
#29
Tetrahydrofuran
Concen: 102.585 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	33.7	50.5
71	37.3	31.4	47.2

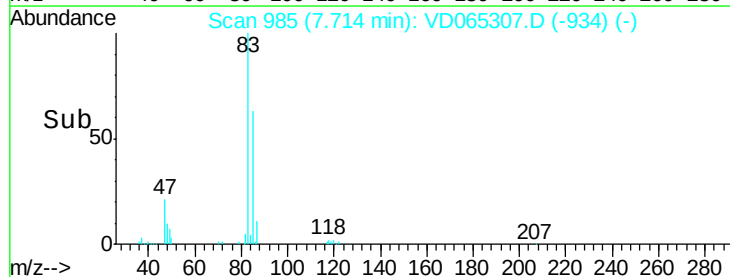
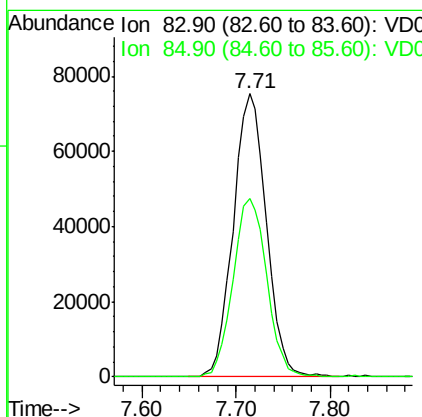
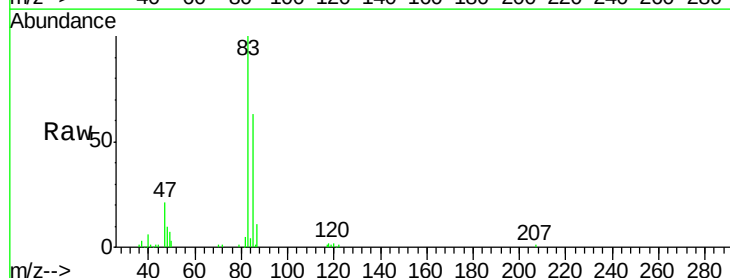
Manual Integrations
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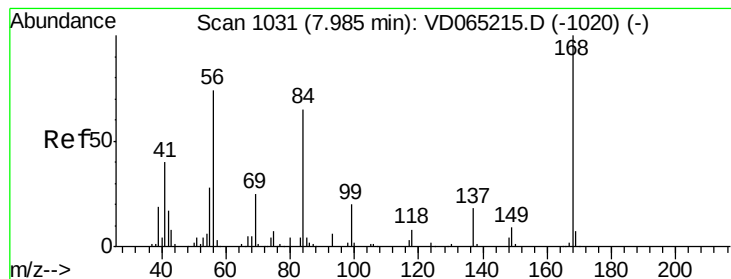
MMDadoda
2/26/2020 10:25:42 AM



#30
Chloroform
Concen: 20.859 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.3	78.5





#31

Cyclohexane

Concen: 19.977 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 56 Resp: 171734

Ion Ratio Lower Upper

56 100

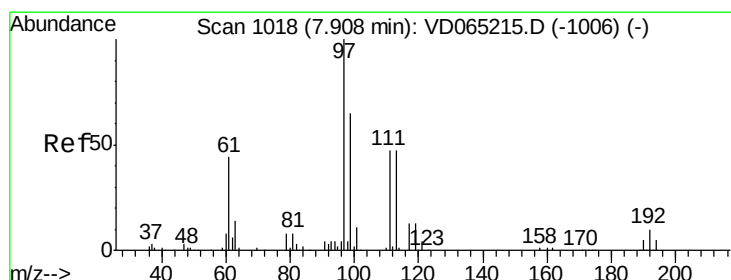
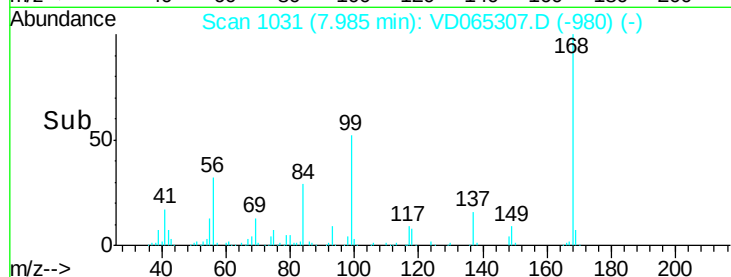
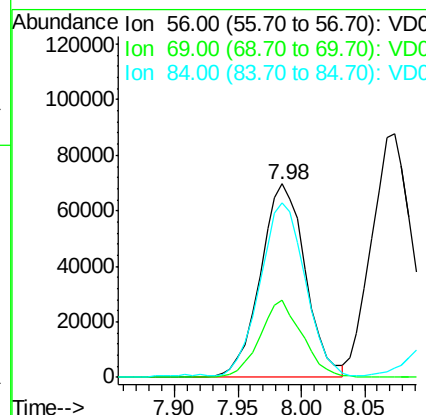
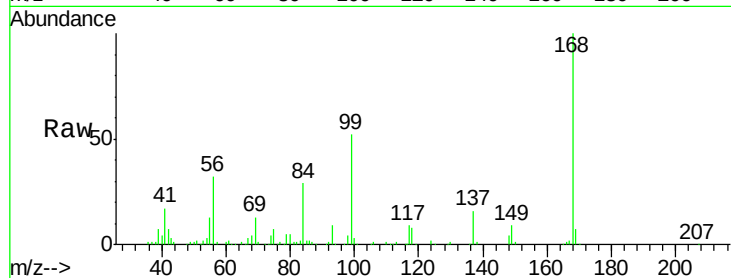
69 40.2 27.4 41.0

84 89.3 71.1 106.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.613 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

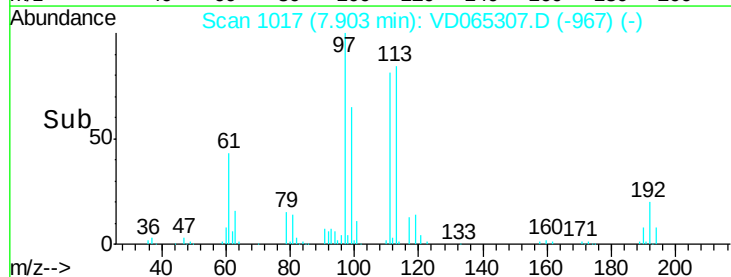
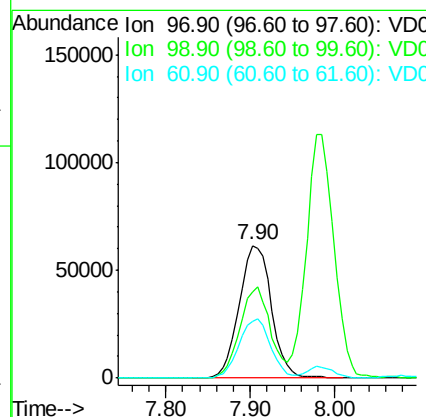
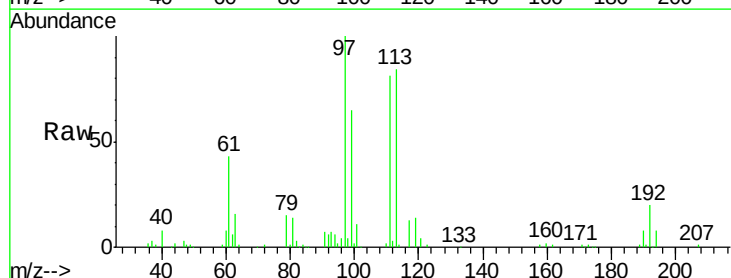
Tgt Ion: 97 Resp: 162573

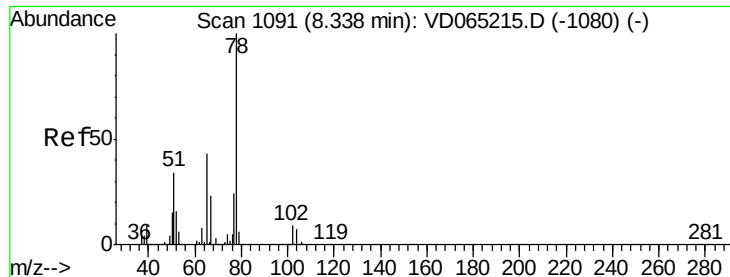
Ion Ratio Lower Upper

97 100

99 65.3 51.4 77.2

61 43.6 34.8 52.2





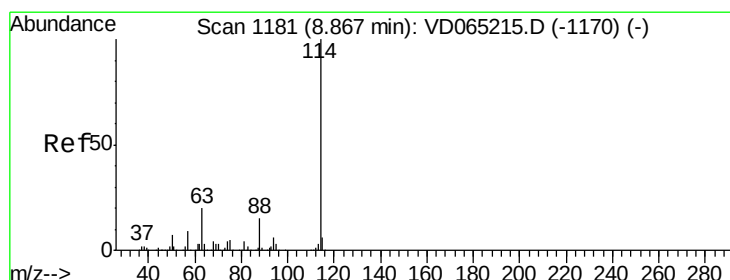
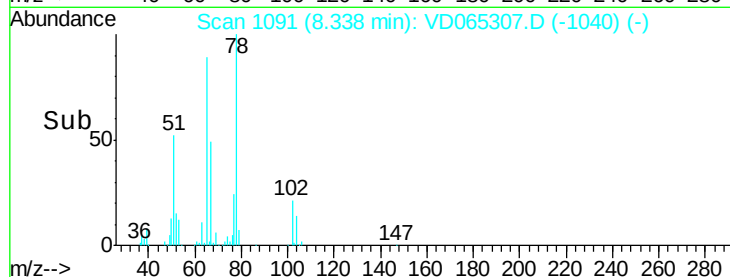
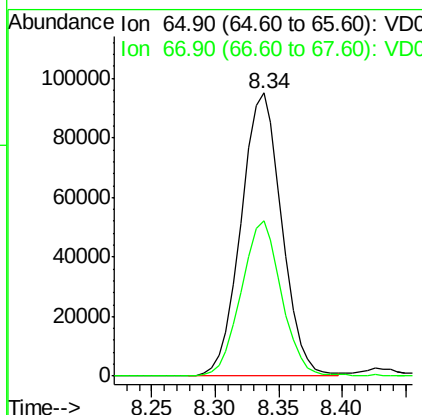
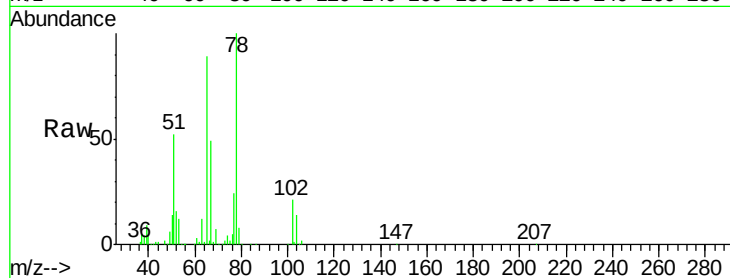
#33
 1,2-Dichloroethane-d4
 Concen: 48.588 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	212437		
67	54.0	0.0	106.8	

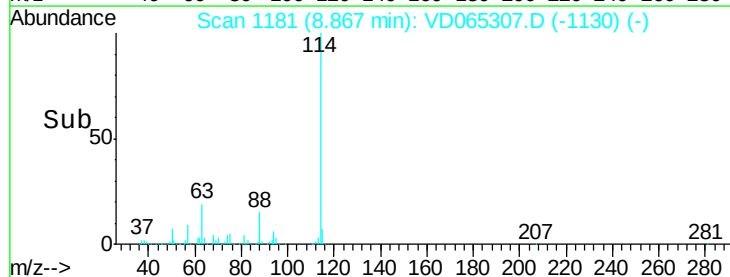
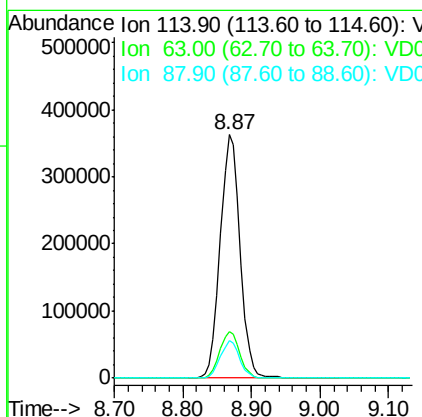
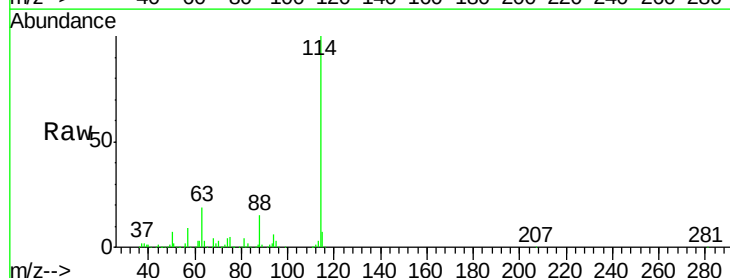
Manual Integrations
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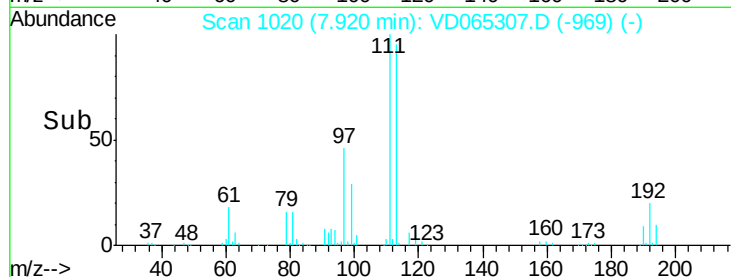
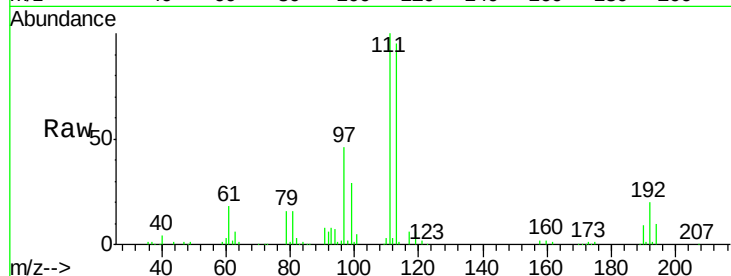
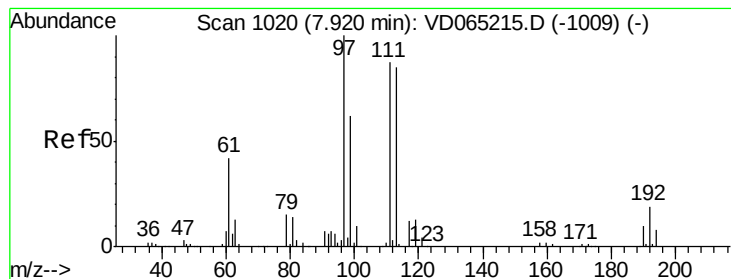
MMDadoda
 2/26/2020 10:25:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	728830		
63	19.1	0.0	39.4	
88	15.4	0.0	30.4	





#35

Dibromofluoromethane

Concen: 51.073 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Tot Ion:	113	Resp:	226968
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.9	124.3
192	21.8	17.3	25.9

Instrument :

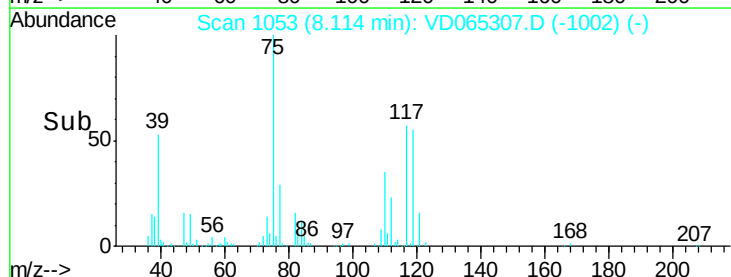
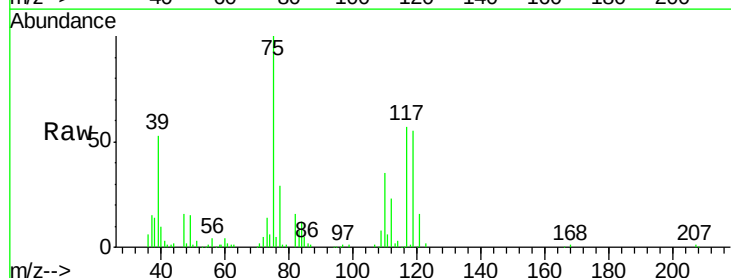
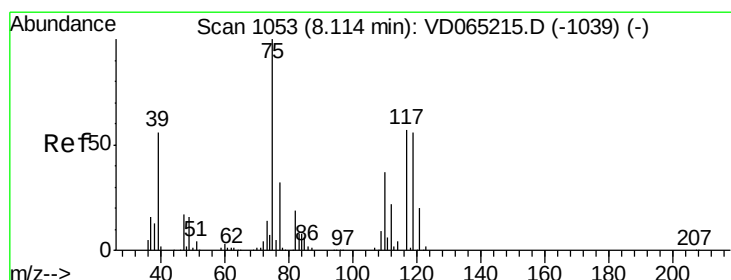
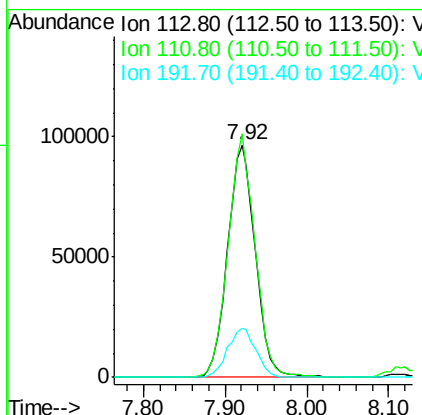
MSVOA_D

ClientSampleId :

VD0225SBS01

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2/26/2020 10:25:42 AM



#36

1,1-Dichloropropene

Concen: 20.154 ug/l

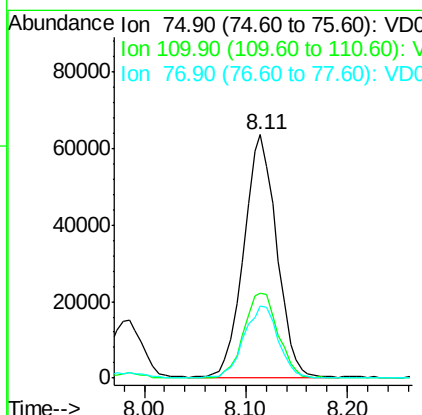
RT: 8.11 min Scan# 1053

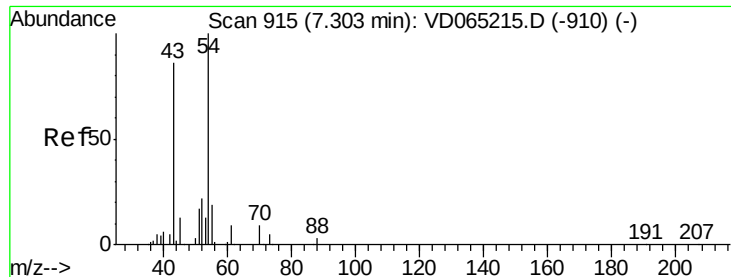
Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Tgt Ion:	75	Resp:	142920
Ion Ratio	Lower	Upper	
75	100		
110	36.4	17.9	53.7
77	31.1	25.1	37.7





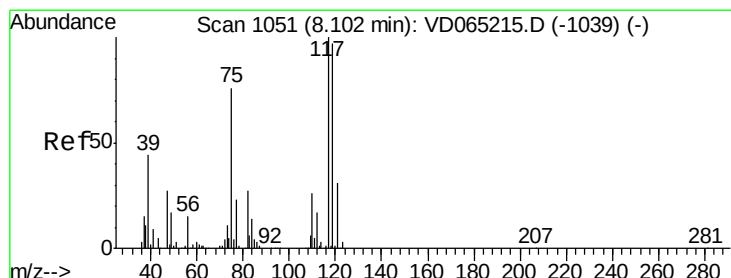
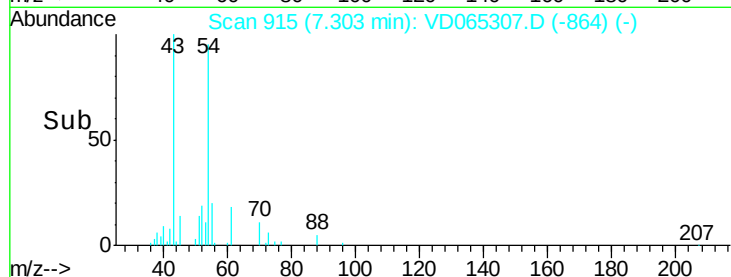
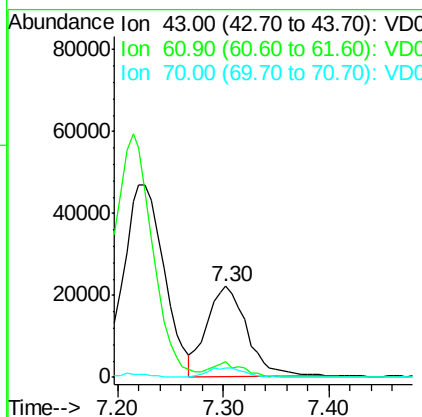
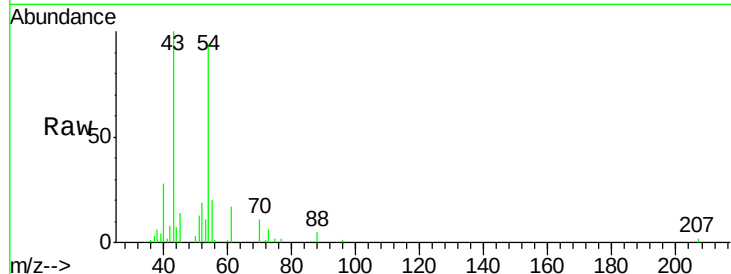
#37
Ethyl Acetate
Concen: 19.762 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.2	16.8
70	10.1	8.2	12.2

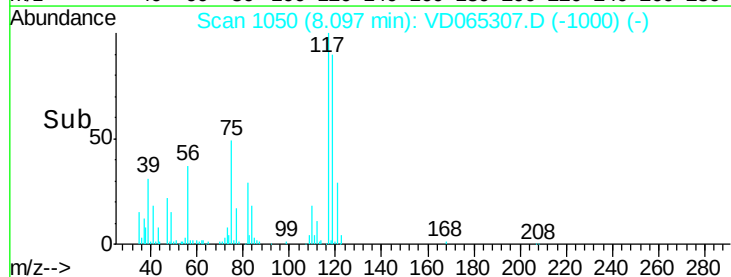
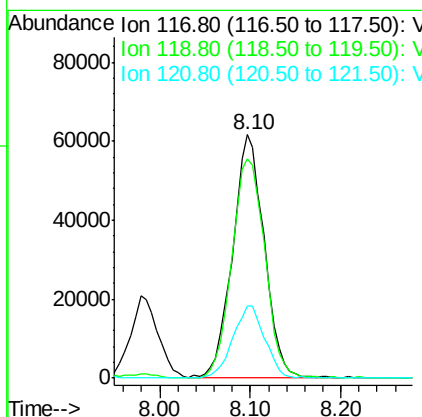
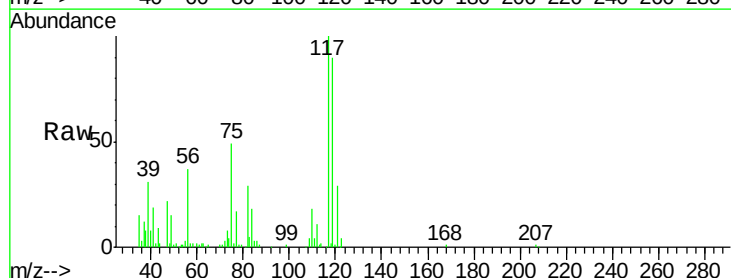
Manual Integrations
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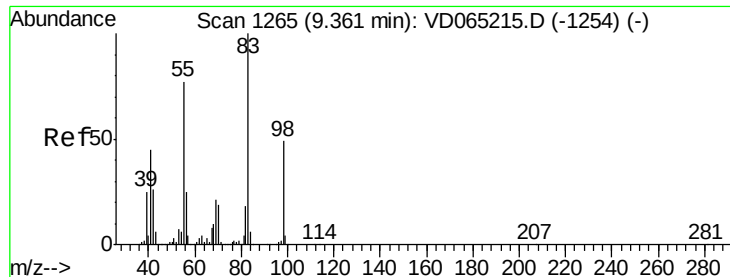
MMDadoda
2/26/2020 10:25:42 AM



#38
Carbon Tetrachloride
Concen: 20.767 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.0	77.6	116.4
121	29.4	24.8	37.2





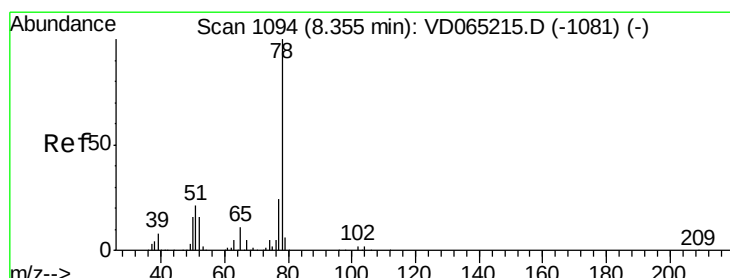
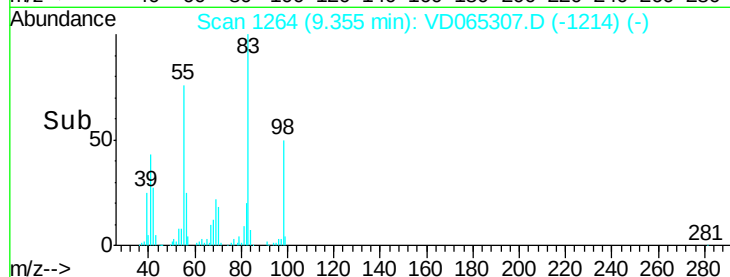
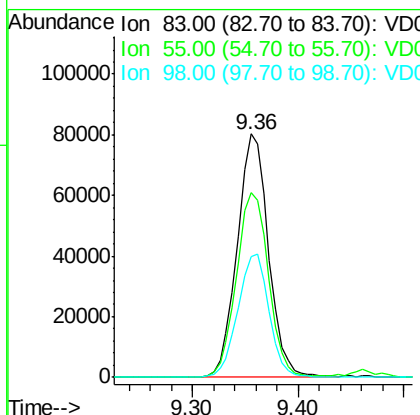
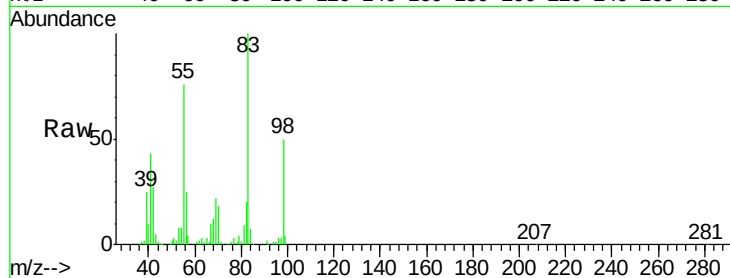
#39
Methylvlcyclohexane
Concen: 19.789 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	61.8	92.6
98	49.6	39.4	59.0

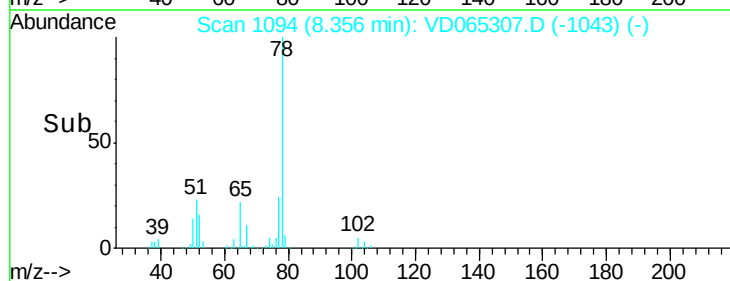
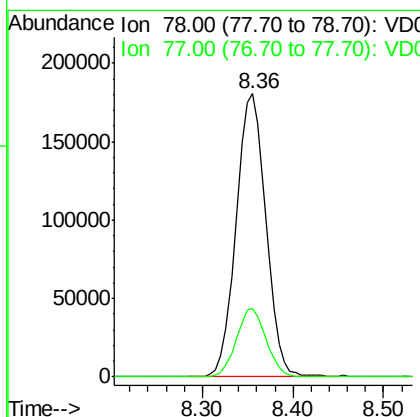
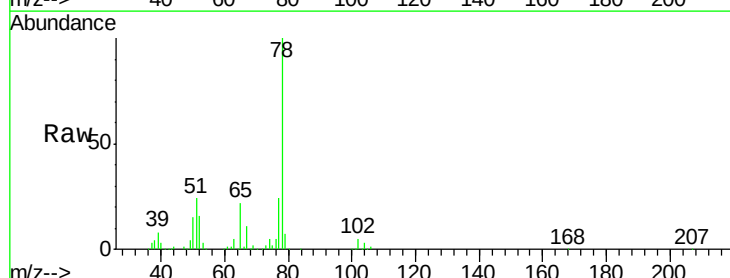
Manual Integrations
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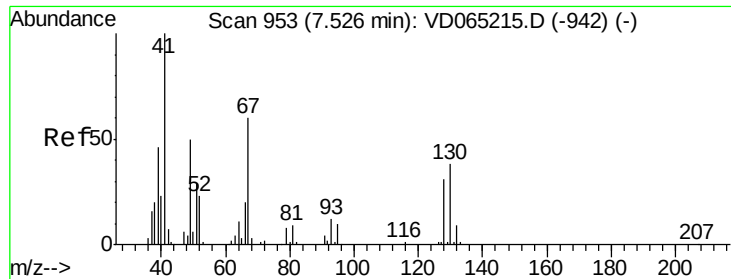
MMDadoda
2/26/2020 10:25:42 AM



#40
Benzene
Concen: 20.600 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





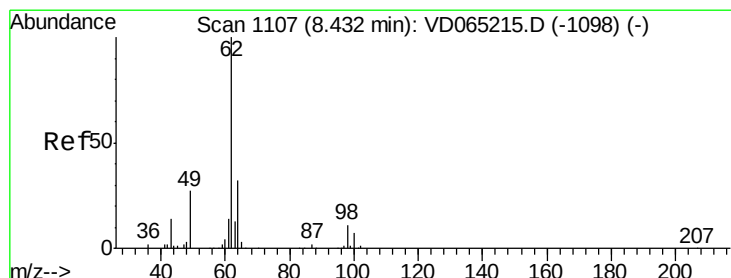
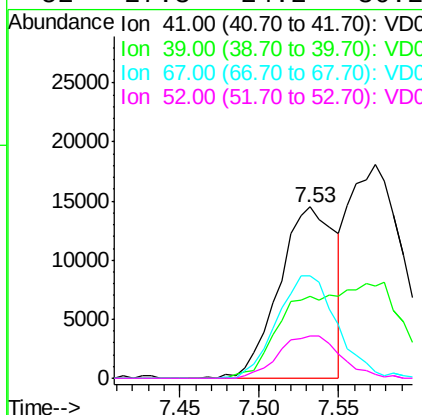
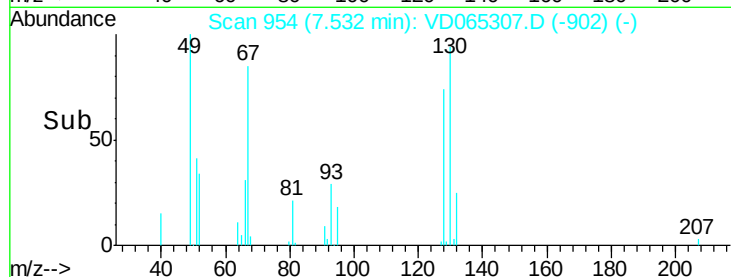
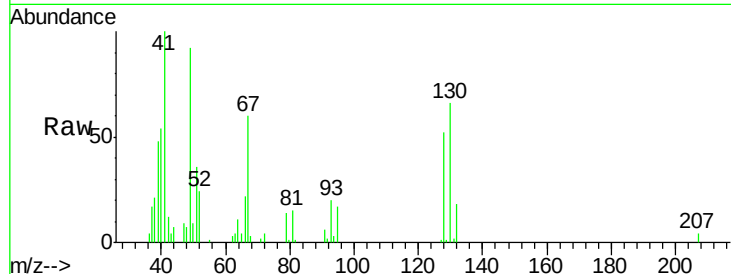
#41
Methacrylonitrile
Concen: 20.874 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.1	72.1#
67	64.6	58.9	88.3
52	27.3	24.2	36.2

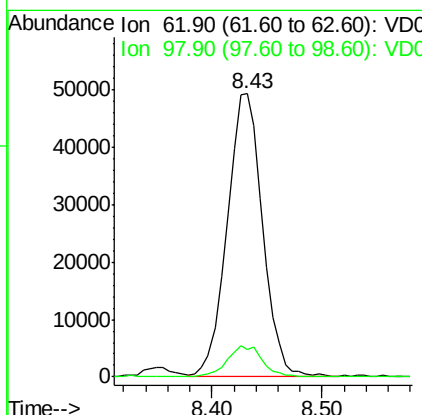
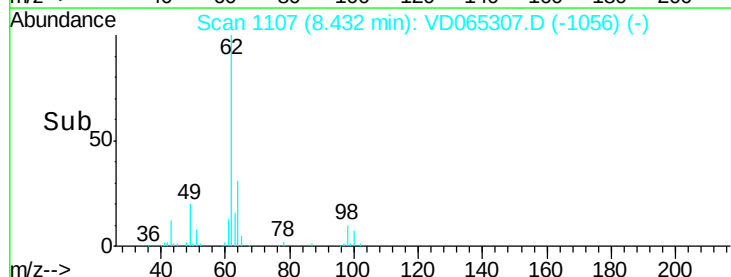
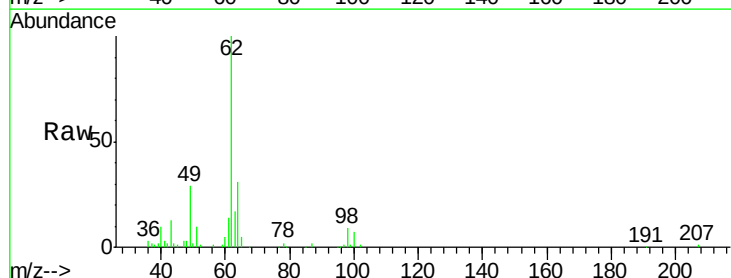
Manual Integrations
APPROVED

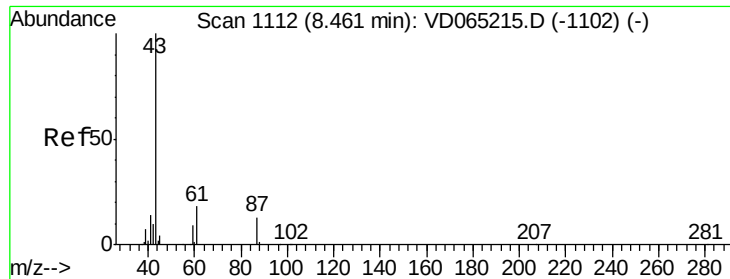
MMDadoda
2/26/2020 10:25:42 AM



#42
1,2-Dichloroethane
Concen: 20.179 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.674 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

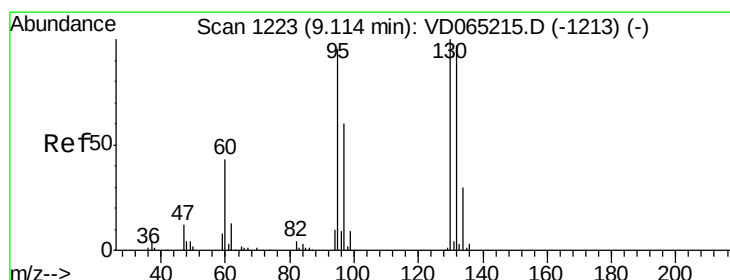
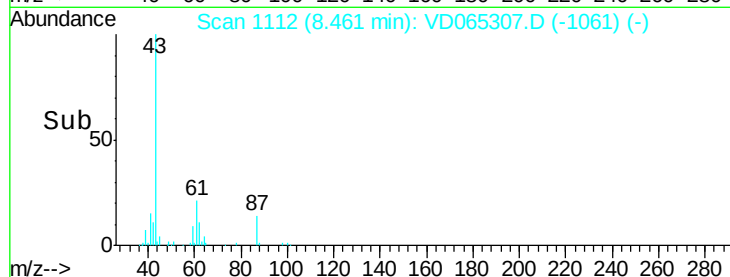
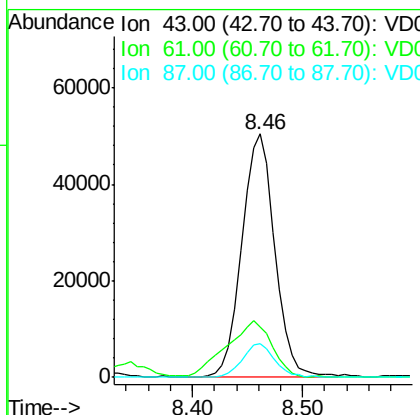
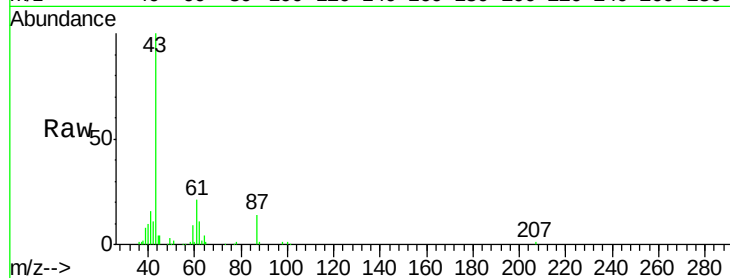
ClientSampleId :

VD0225SBS01

Tot Ion:	43	Resp:	106065
Ion Ratio		Lower	Upper
43	100		
61	31.8	24.6	36.8
87	13.5	10.6	16.0

Manual Integrations
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MMDadoda
2/26/2020 10:25:42 AM



#44

Trichloroethene

Concen: 20.828 ug/l

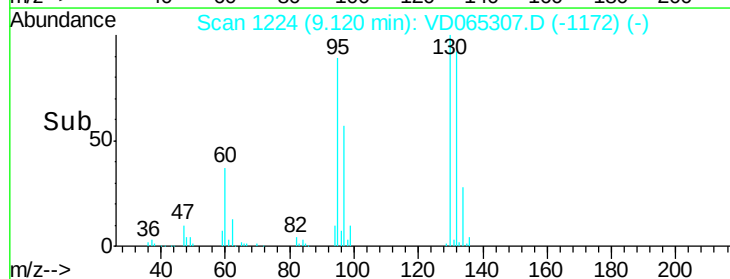
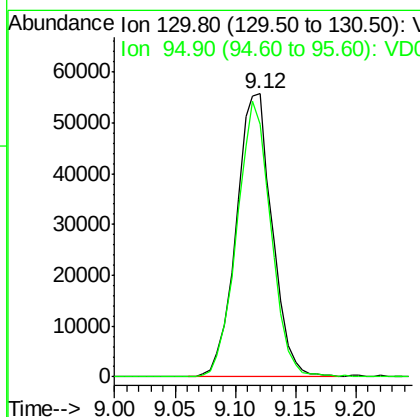
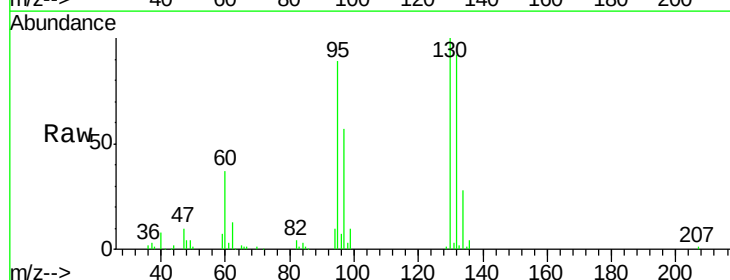
RT: 9.12 min Scan# 1224

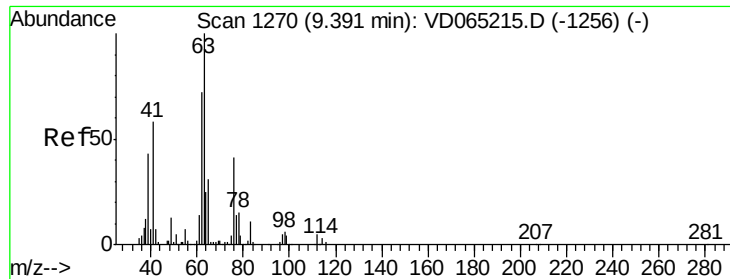
Delta R.T. 0.01 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Tgt Ion:	130	Resp:	115562
Ion Ratio		Lower	Upper
130	100		
95	89.4	0.0	190.6





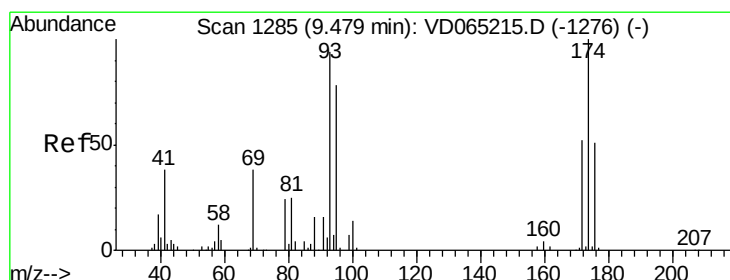
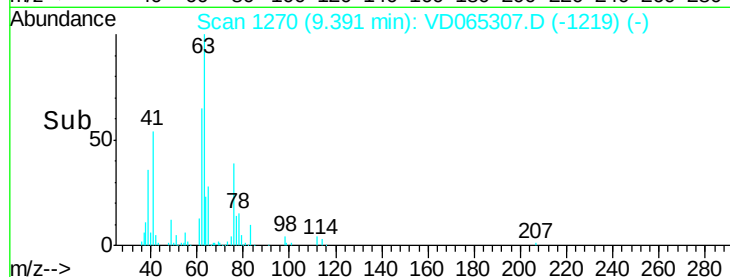
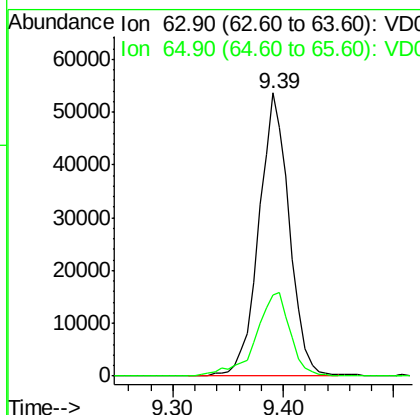
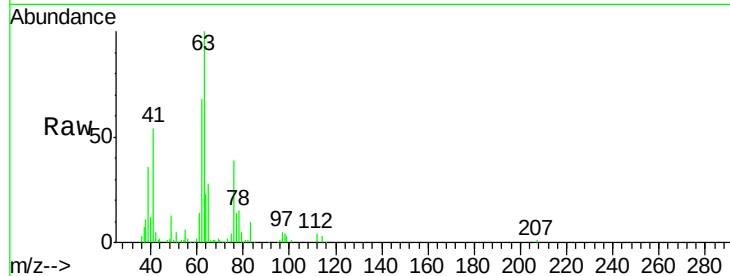
#45
 1,2-Dichloropropane
 Concen: 20.749 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion	63	Resp	103273
Ion Ratio	Lower	Upper	
63	100		
65	28.5	24.9	37.3

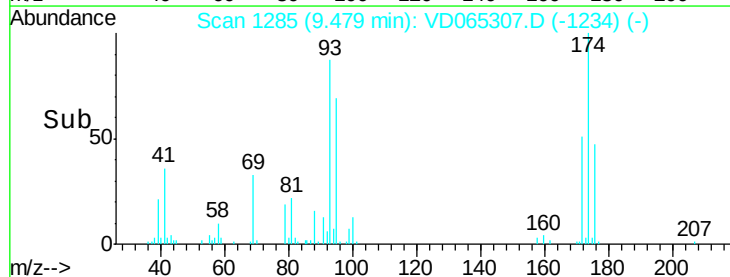
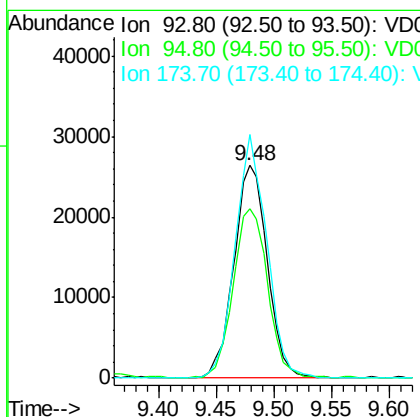
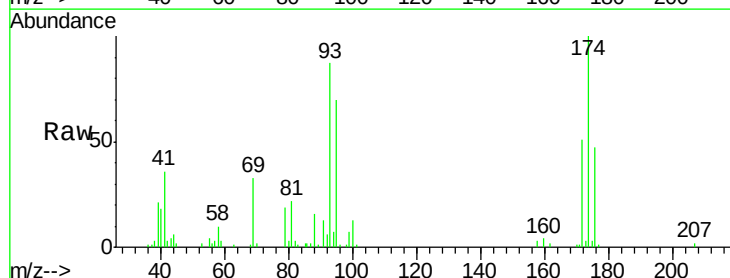
Manual Integrations
 APPROVED

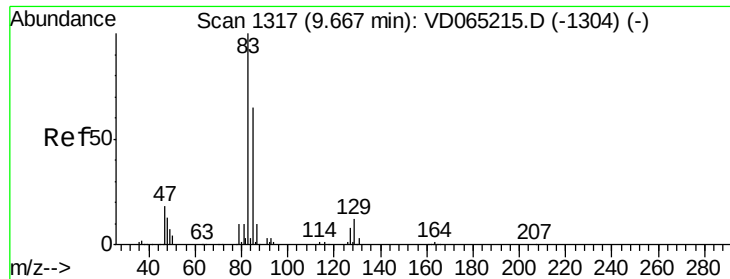
MMDadoda
 2/26/2020 10:25:42 AM



#46
 Dibromomethane
 Concen: 20.761 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion	93	Resp	53168
Ion Ratio	Lower	Upper	
93	100		
95	81.9	65.8	98.6
174	107.8	86.8	130.2





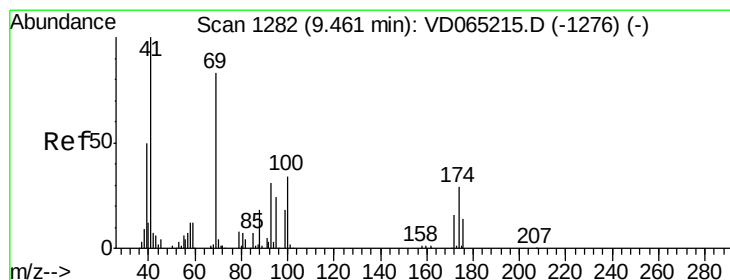
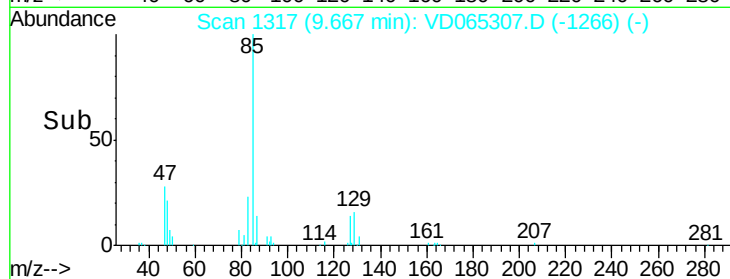
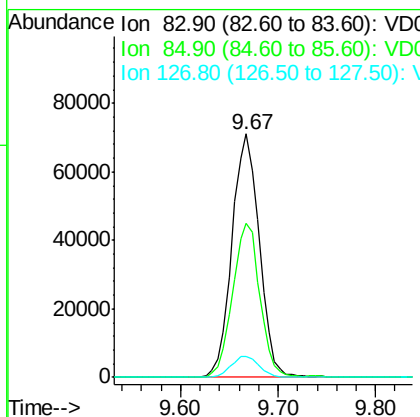
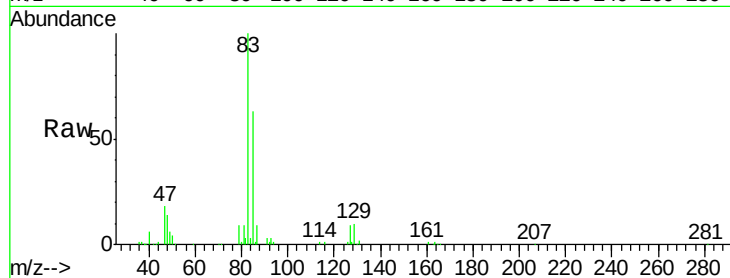
#47
Bromodichloromethane
Concen: 20.537 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	138599		
85	63.1	52.0	78.0	
127	8.7	6.7	10.1	

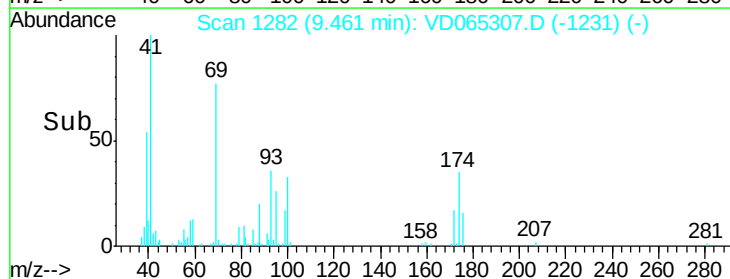
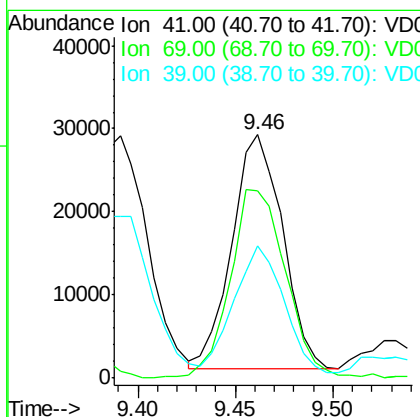
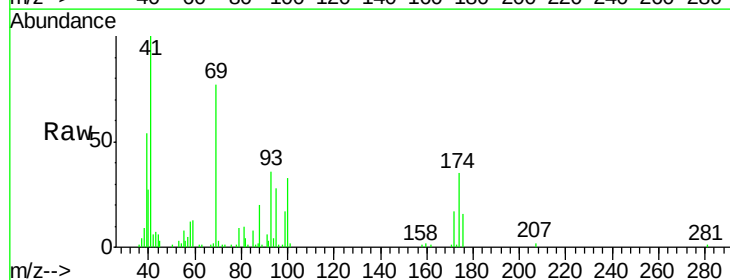
Manual Integrations
APPROVED

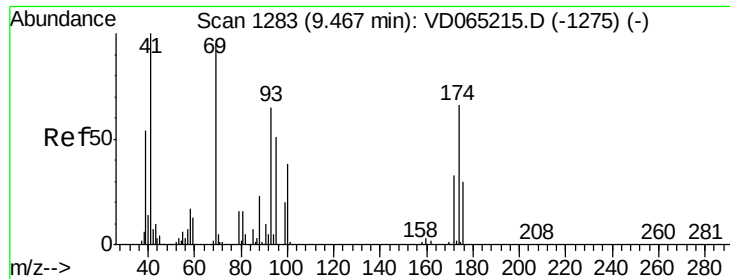
MMDadoda
2/26/2020 10:25:42 AM



#48
Methyl methacrylate
Concen: 20.350 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	50709		
69	89.2	68.2	102.2	
39	52.4	42.0	63.0	





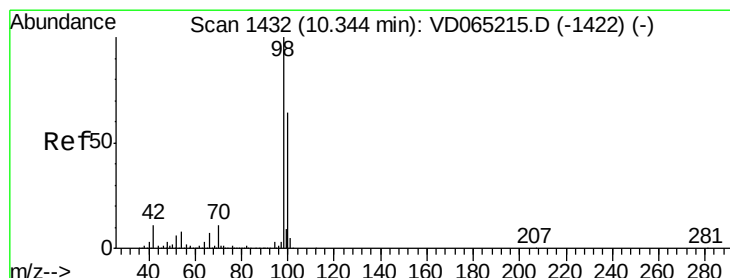
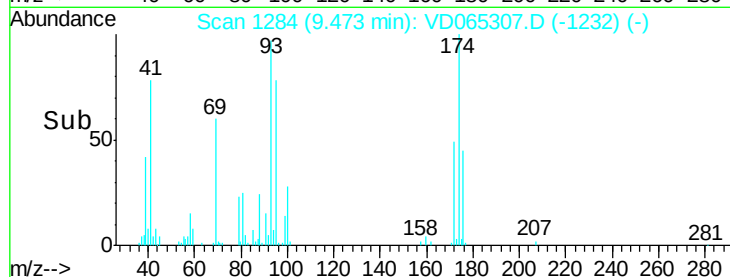
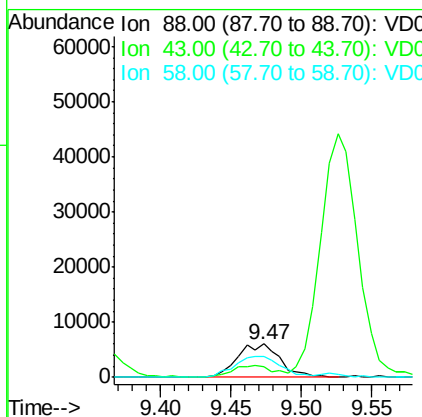
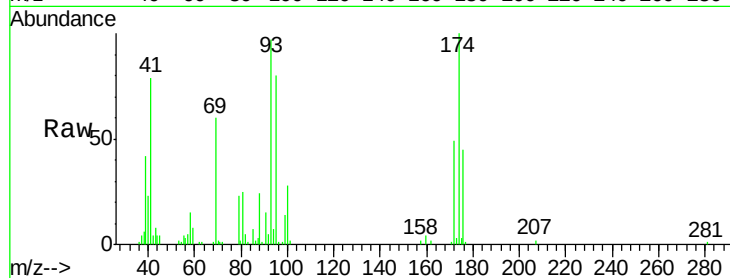
#49
1,4-Dioxane
Concen: 430.355 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.5	42.7
58	67.4	58.6	87.8

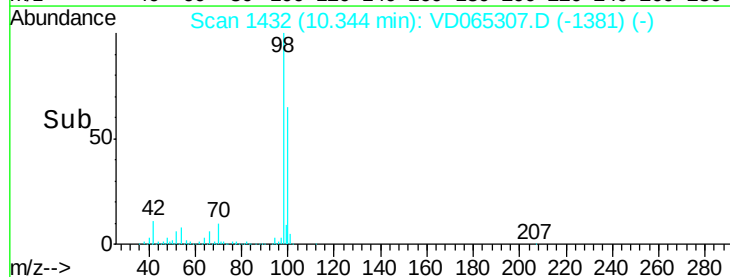
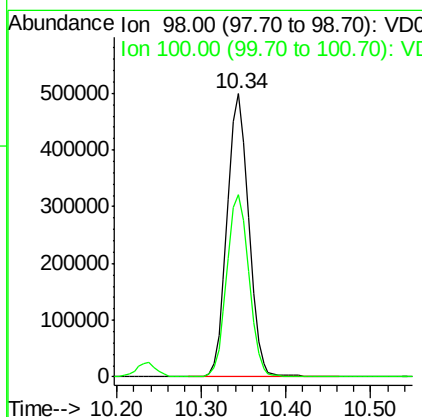
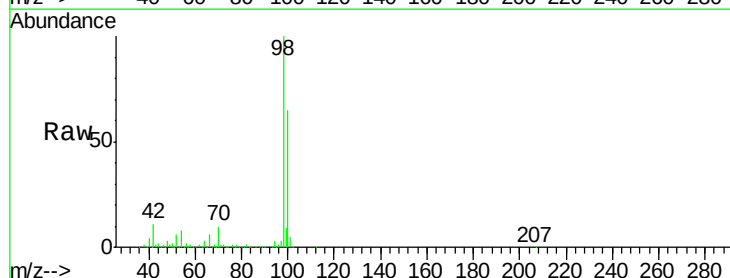
Manual Integrations
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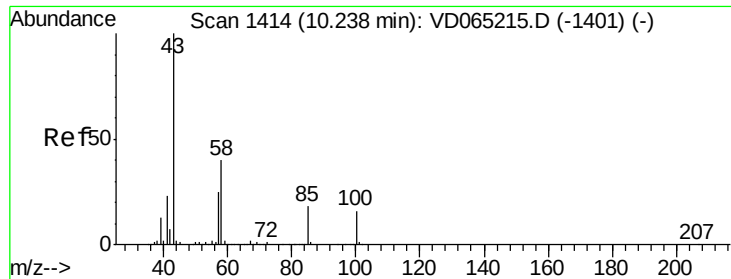
MMDadoda
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#50
Toluene-d8
Concen: 51.970 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.0	78.0





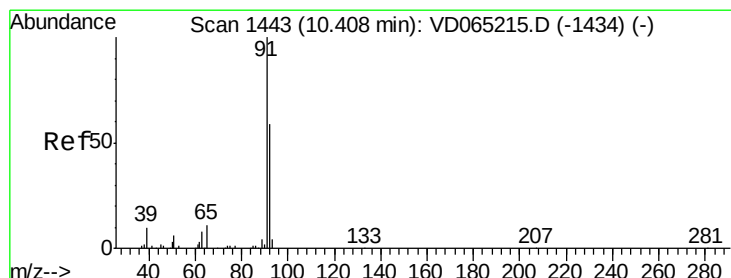
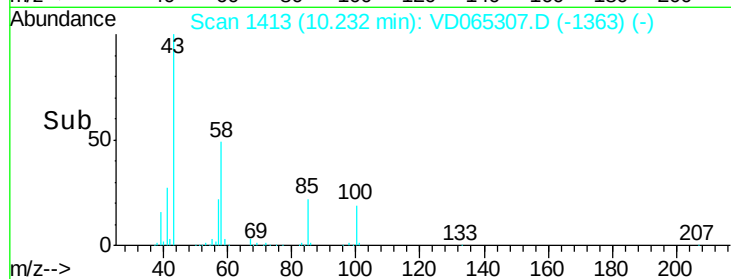
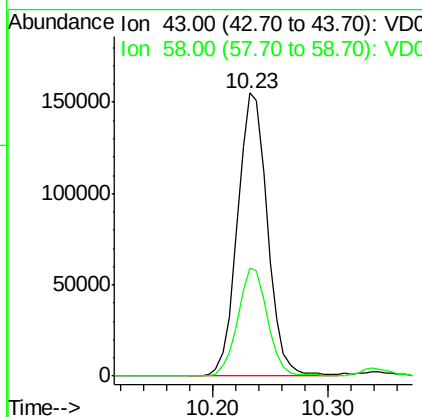
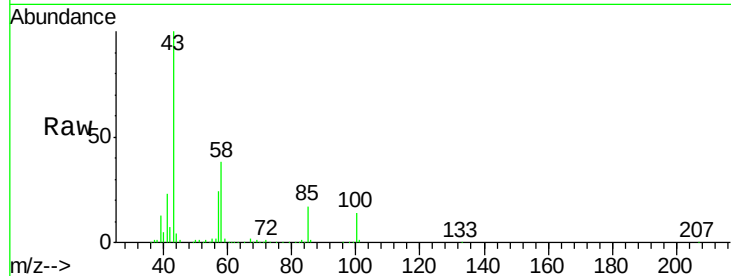
#51
4-Methyl-2-Pentanone
Concen: 102.058 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	43	Resp	279453
Ion Ratio	100	Lower	Upper
58	38.0	31.1	46.7

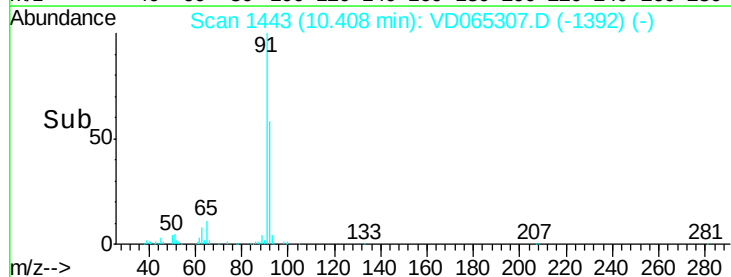
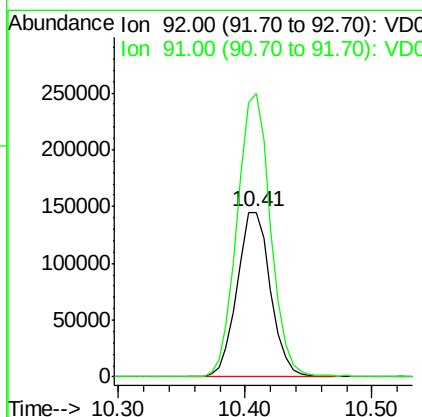
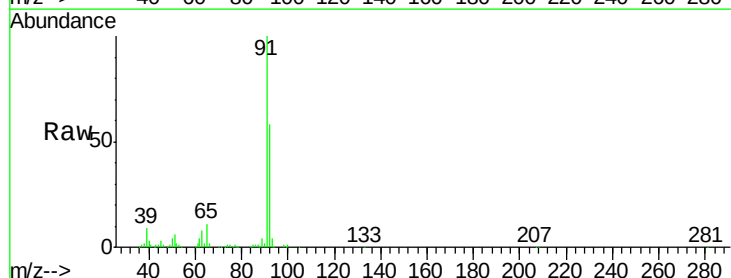
Manual Integrations
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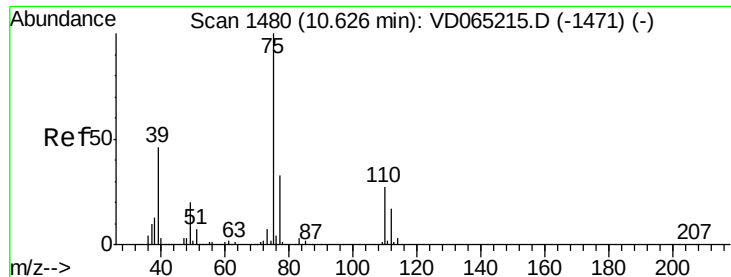
MMDadoda
2/26/2020 10:25:42 AM



#52
Toluene
Concen: 21.471 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	92	Resp	266022
Ion Ratio	100	Lower	Upper
91	172.0	136.3	204.5





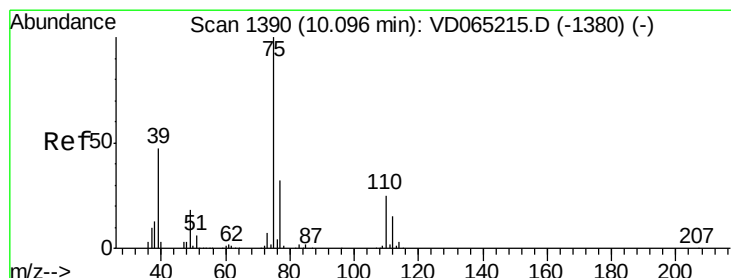
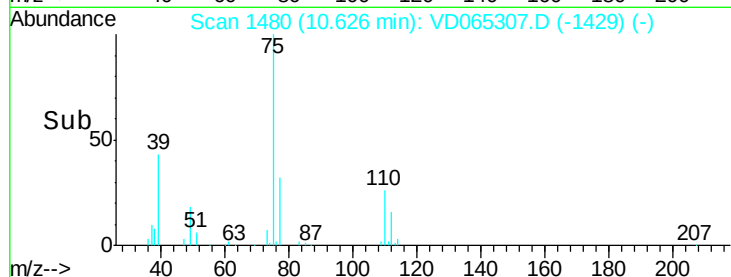
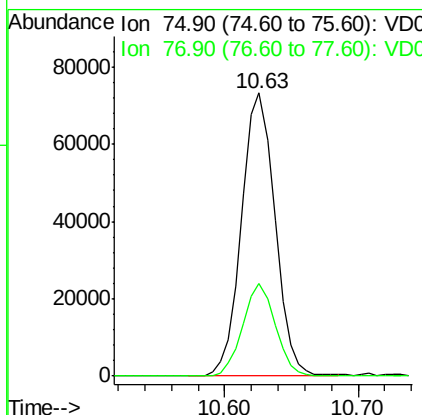
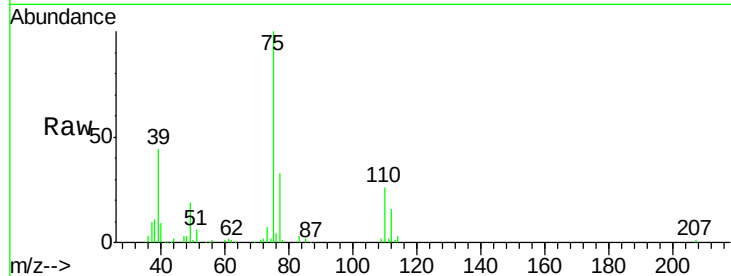
#53
t-1,3-Dichloropropene
Concen: 20.407 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.6	40.0

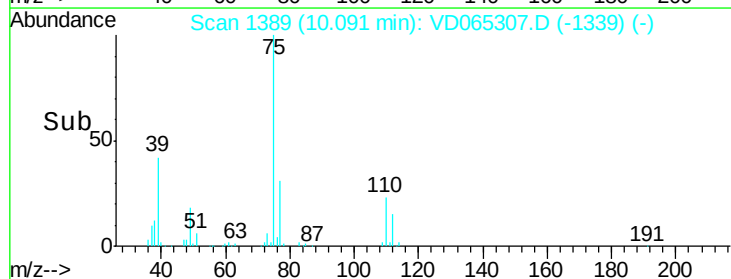
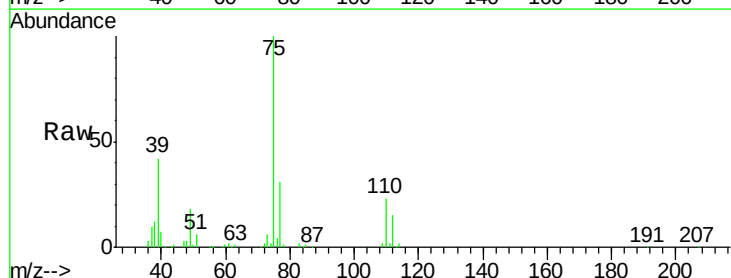
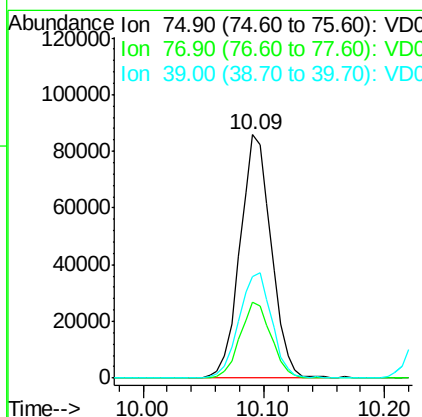
Manual Integrations
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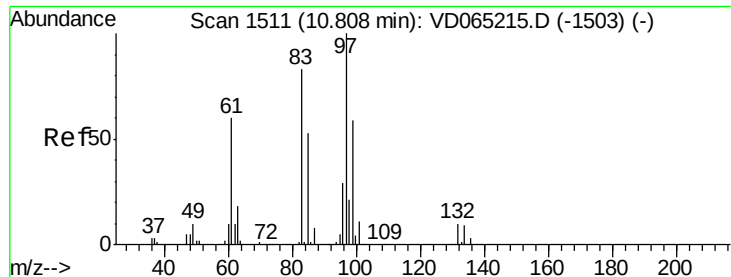
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.590 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.8	38.8
39	41.8	37.3	55.9





#55

1,1,2-Trichloroethane

Concen: 21.255 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

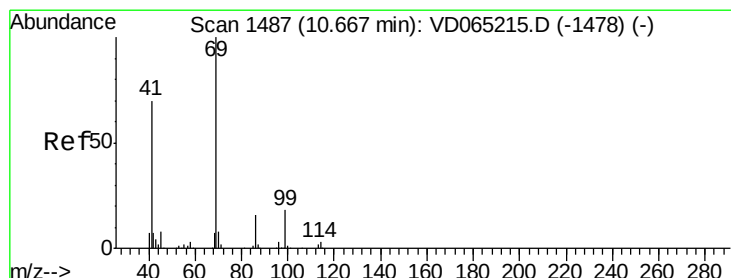
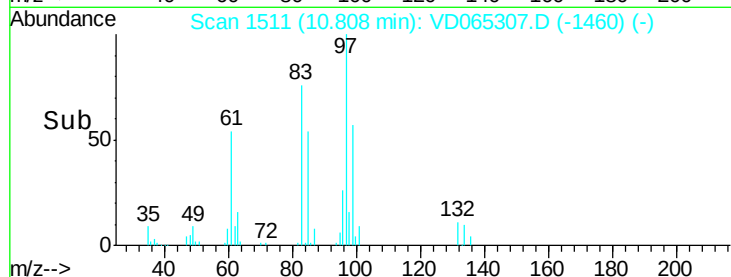
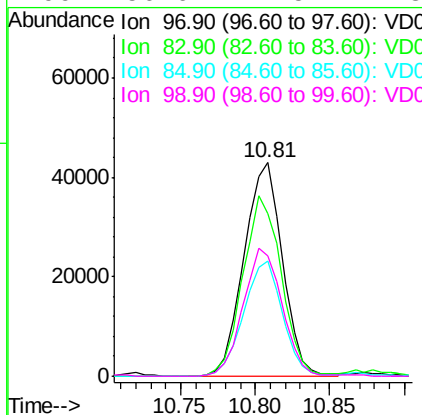
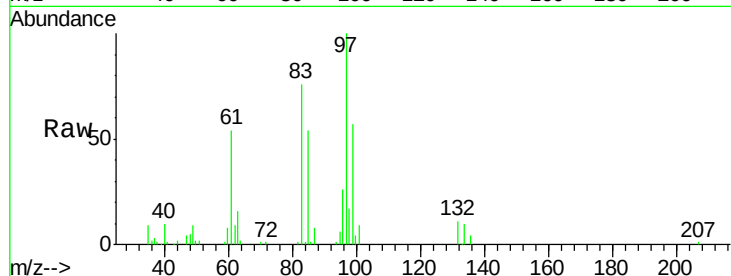
ClientSampleId :

VD0225SBS01

Tot Ion:	97	Resp:	76614
Ion	Ratio	Lower	Upper
97	100		
83	76.2	66.7	100.1
85	53.8	42.4	63.6
99	56.6	47.5	71.3

Manual Integrations
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2/26/2020 10:25:42 AM



#56

Ethyl methacrylate

Concen: 20.206 ug/l

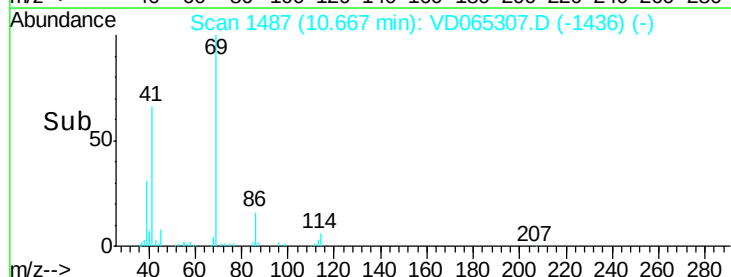
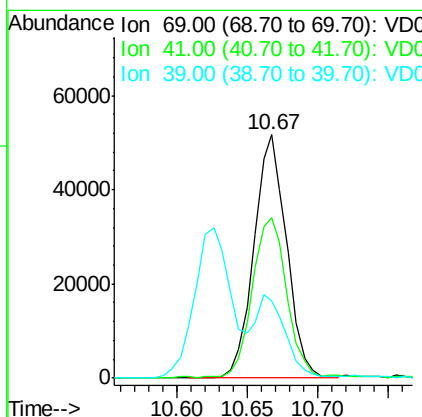
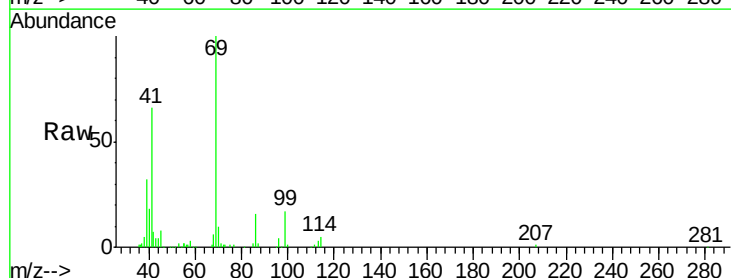
RT: 10.67 min Scan# 1487

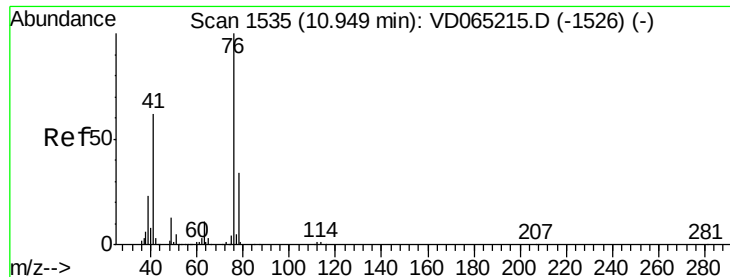
Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Tgt Ion:	69	Resp:	84066
Ion	Ratio	Lower	Upper
69	100		
41	71.0	54.6	81.8
39	30.5	26.5	39.7





#57

1,3-Dichloropropane

Concen: 20.452 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 76 Resp: 125468

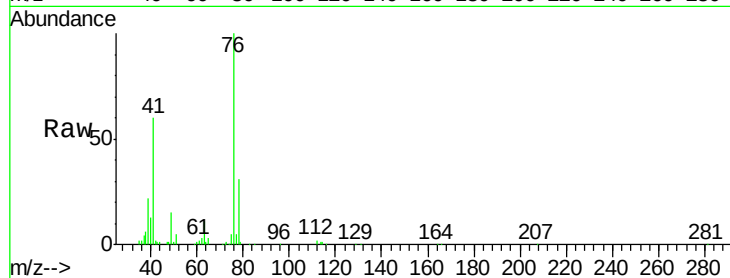
Ion Ratio Lower Upper

76 100

78 33.1 26.3 39.5

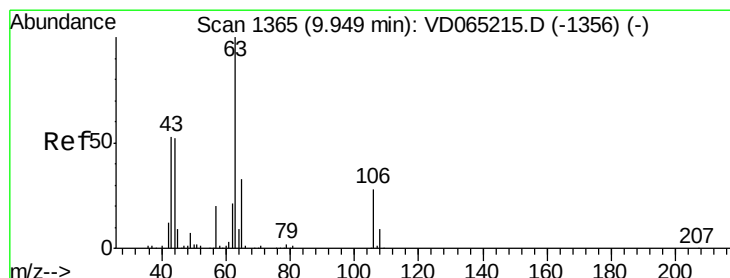
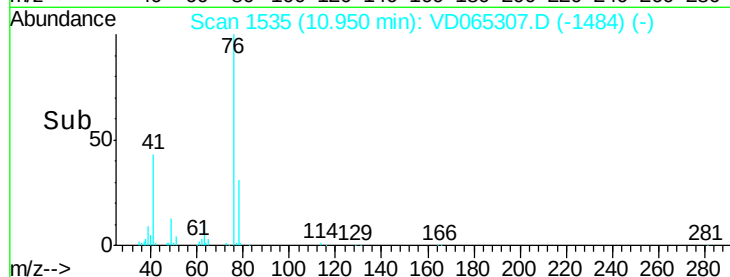
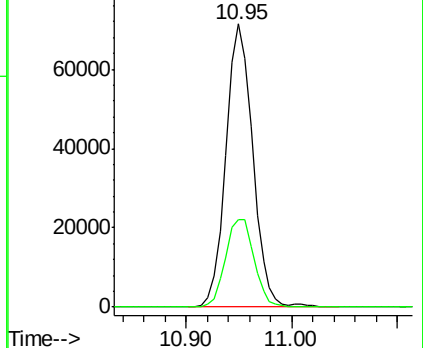
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 97.089 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065307.D

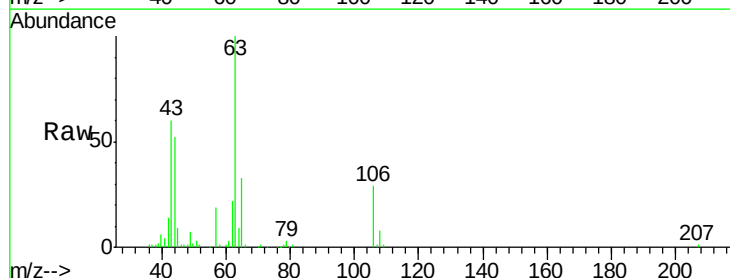
Acq: 25 Feb 2020 13:13

Tgt Ion: 63 Resp: 127347

Ion Ratio Lower Upper

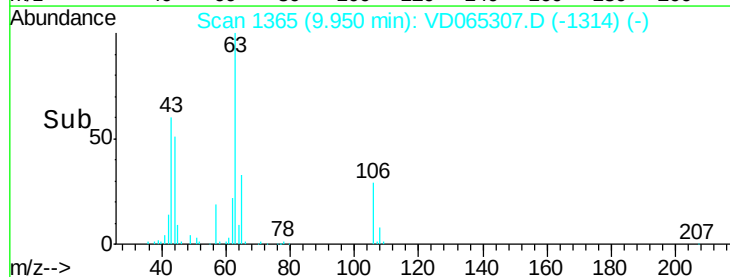
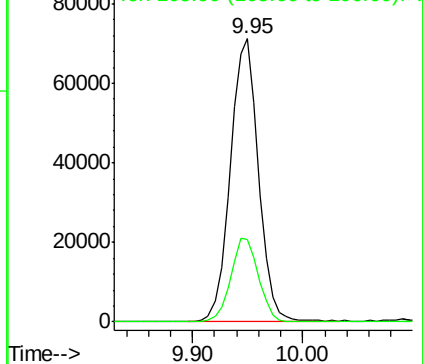
63 100

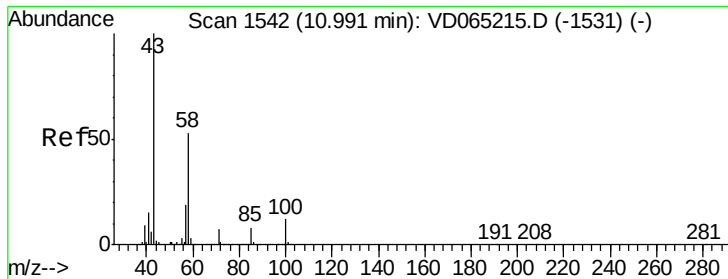
106 29.0 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





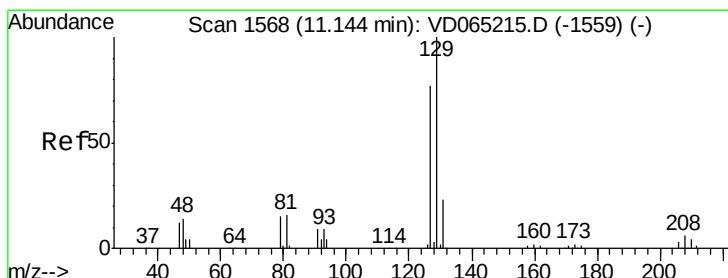
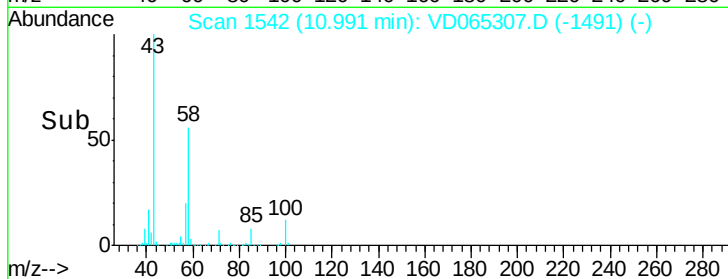
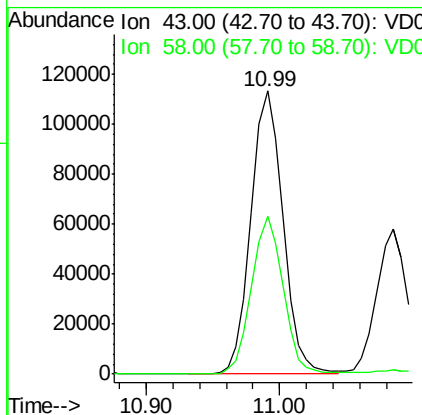
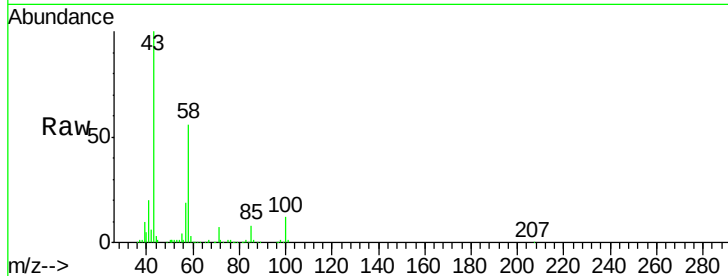
#59
2-Hexanone
Concen: 95.962 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion: 43 Resp: 188094
Ion Ratio Lower Upper
43 100
58 55.0 26.3 78.8

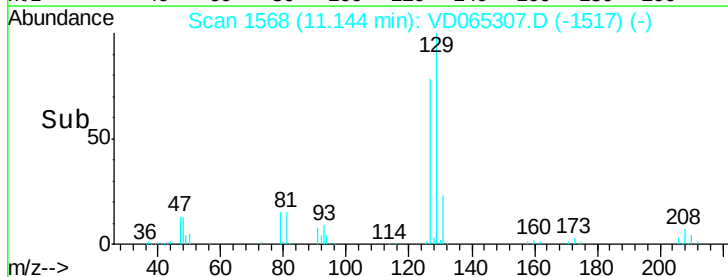
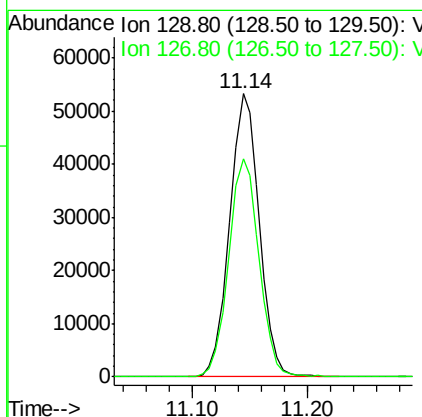
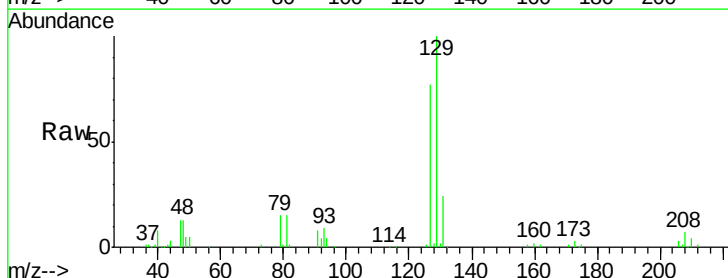
Manual Integrations
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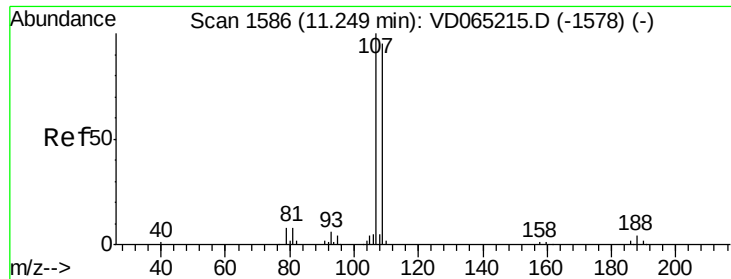
MMDadoda
2/26/2020 10:25:42 AM



#60
Dibromochloromethane
Concen: 20.524 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion: 129 Resp: 94688
Ion Ratio Lower Upper
129 100
127 79.0 38.7 116.1





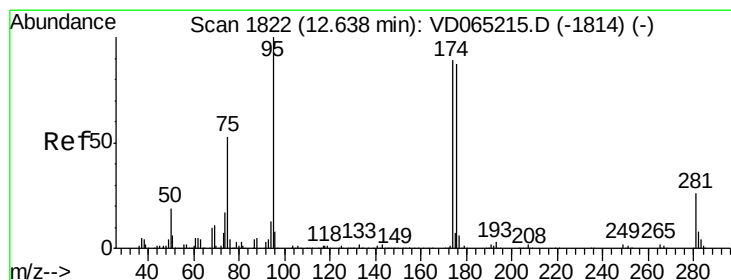
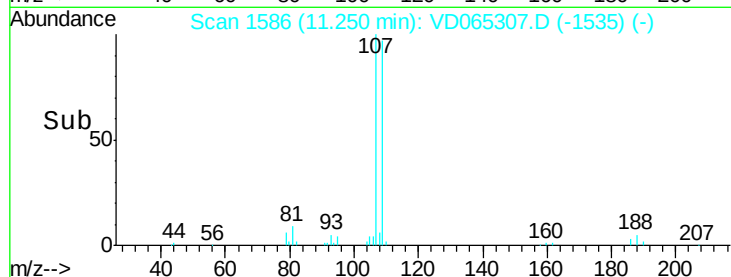
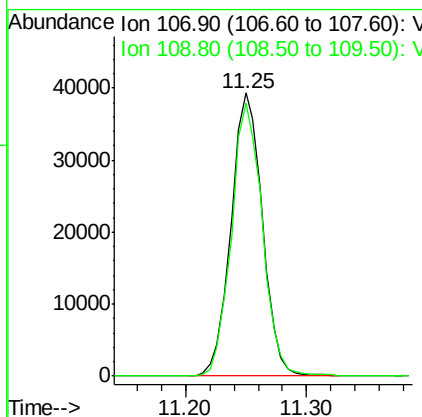
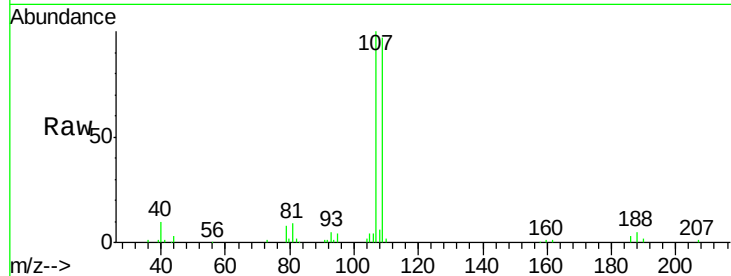
#61
1,2-Dibromoethane
Concen: 20.849 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBSD01

Tot Ion: 107 Resp: 71155
Ion Ratio Lower Upper
107 100
109 95.5 76.2 114.4

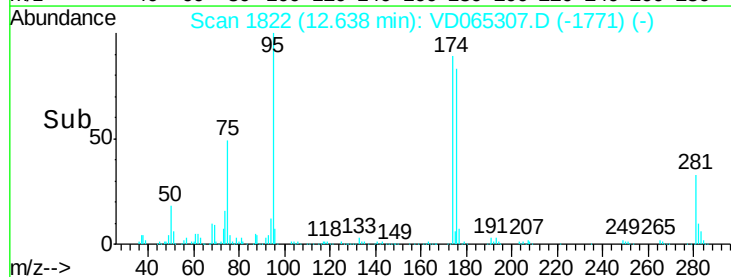
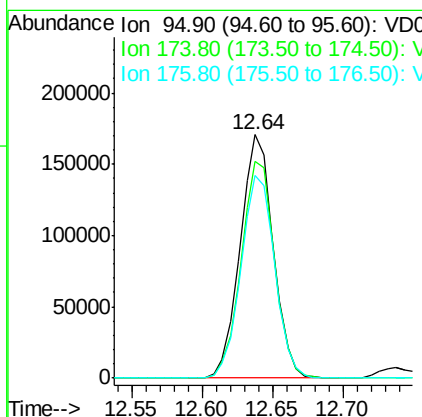
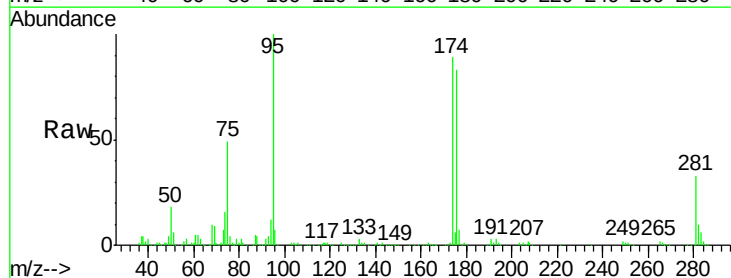
Manual Integrations
APPROVED

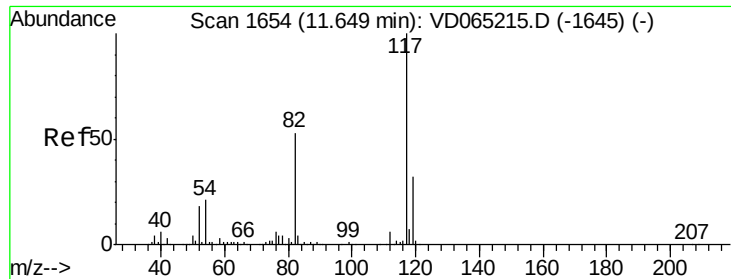
MMDadoda
2/26/2020 10:25:42 AM



#62
4-Bromofluorobenzene
Concen: 51.766 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion: 95 Resp: 278604
Ion Ratio Lower Upper
95 100
174 90.3 0.0 178.0
176 85.4 0.0 174.4





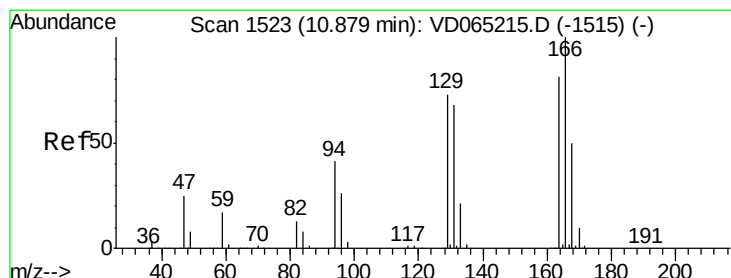
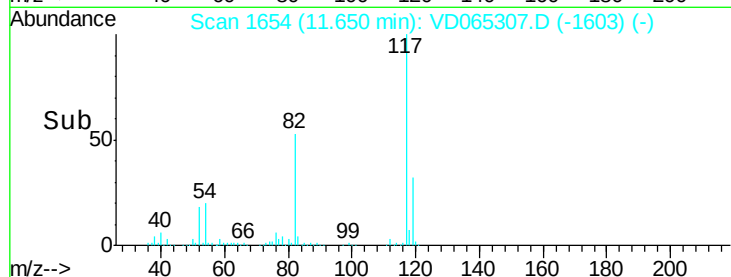
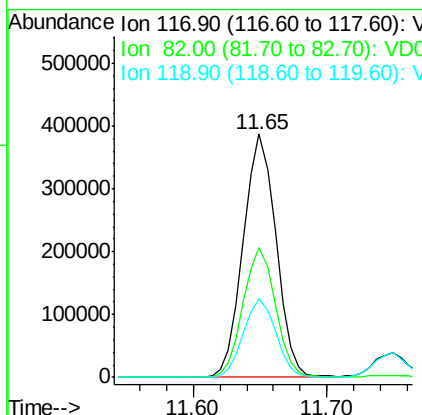
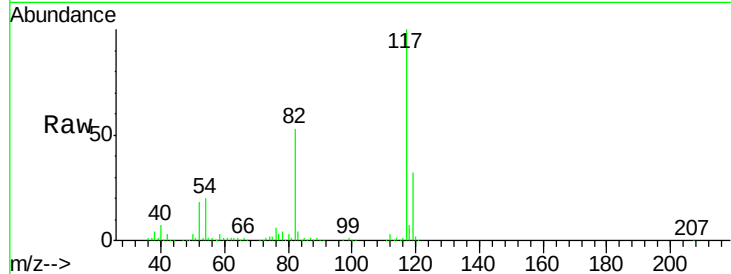
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.7	64.1
119	32.2	25.5	38.3

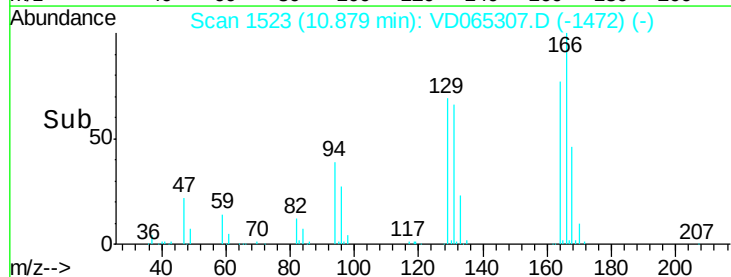
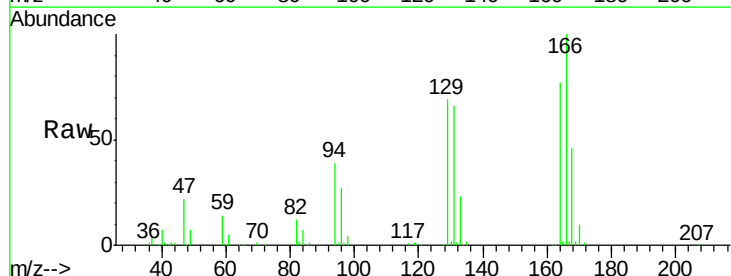
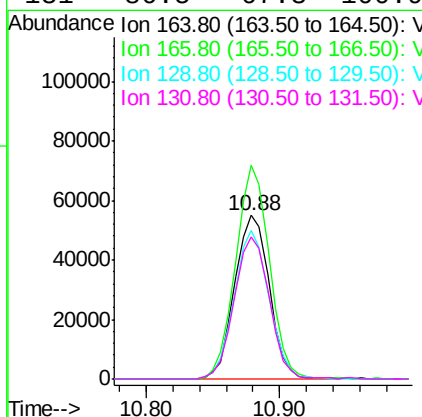
Manual Integrations
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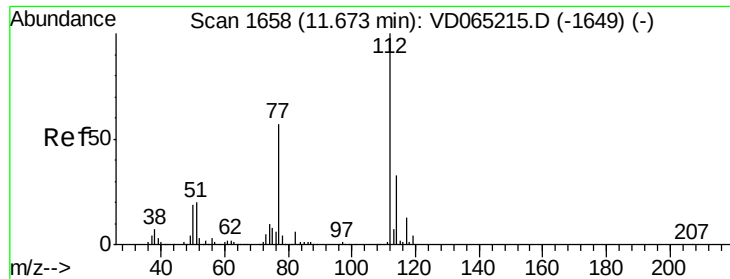
MMDadoda
2/26/2020 10:25:42 AM



#64
Tetrachloroethene
Concen: 21.168 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	98.4	147.6
129	90.6	71.6	107.4
131	86.5	67.3	100.9





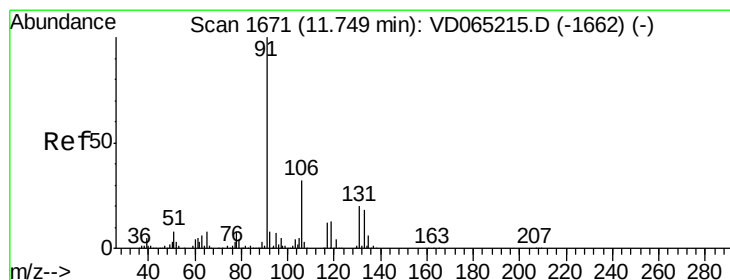
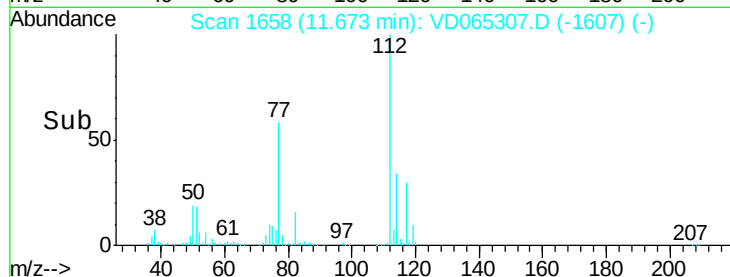
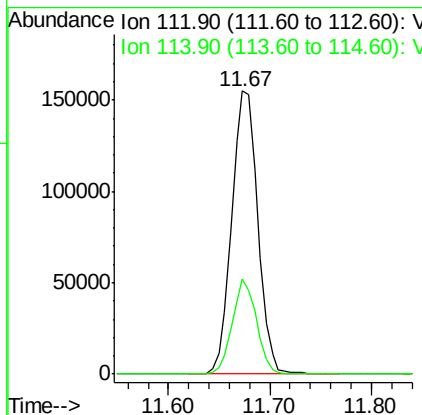
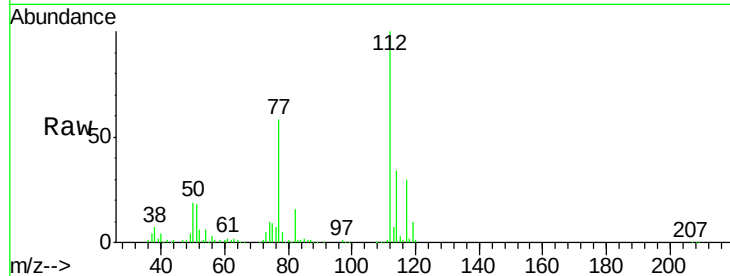
#65
Chlorobenzene
Concen: 20.949 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	277171		
114	33.6	26.4	39.6	

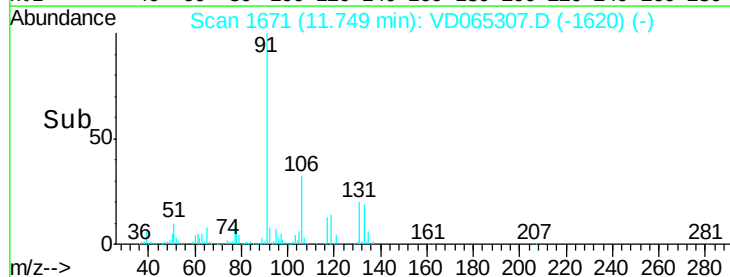
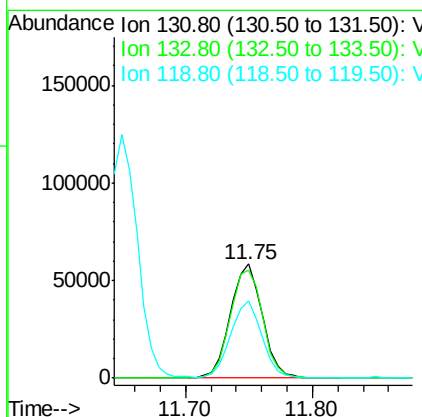
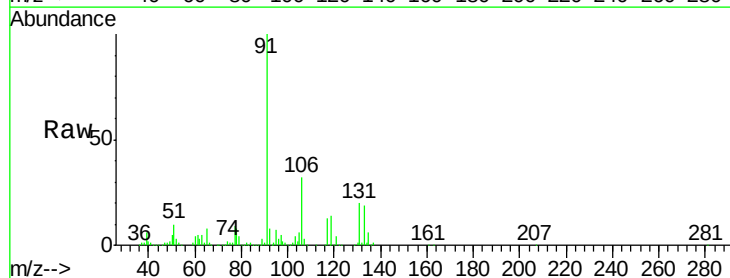
Manual Integrations
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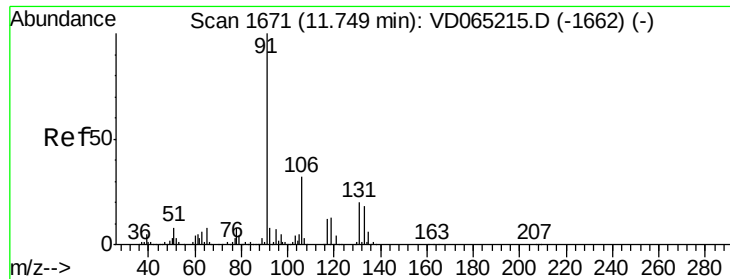
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.508 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	101254		
133	97.1	47.7	143.1	
119	66.4	32.7	98.1	





#67

Ethyl Benzene

Concen: 20.656 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 91 Resp: 478641

Ion Ratio Lower Upper

91 100

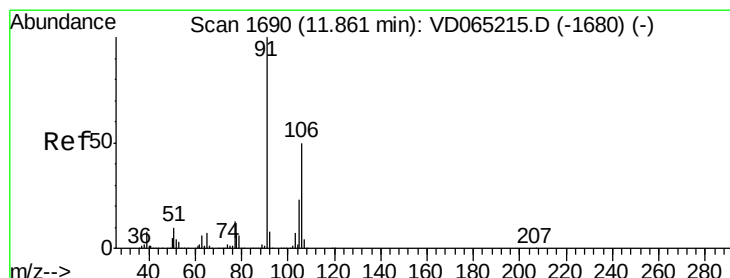
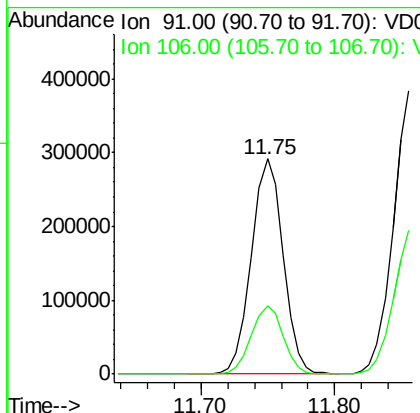
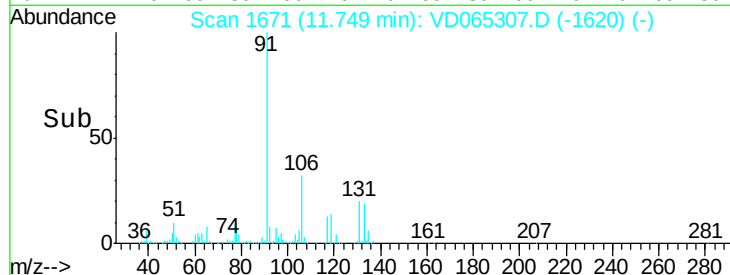
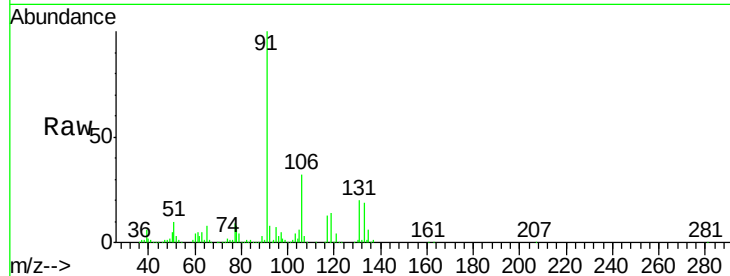
106 31.9 25.2 37.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.817 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065307.D

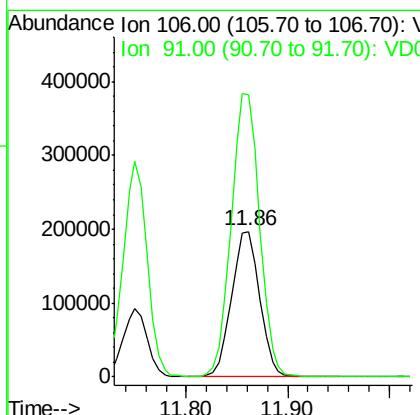
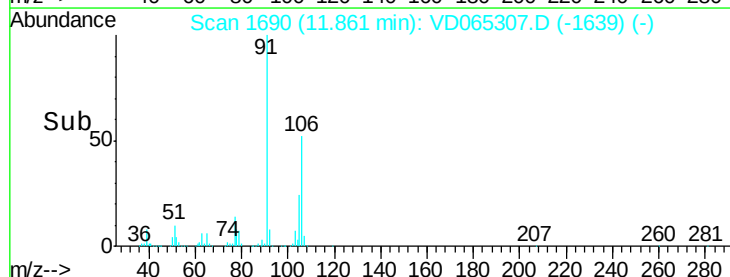
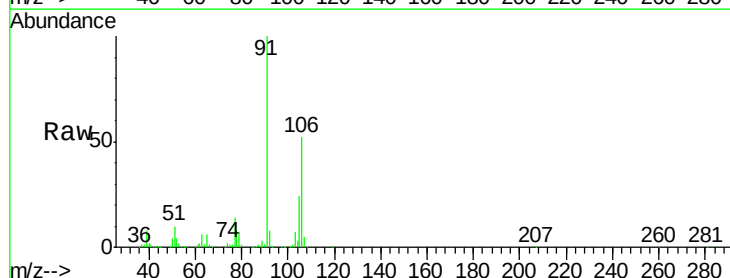
Acq: 25 Feb 2020 13:13

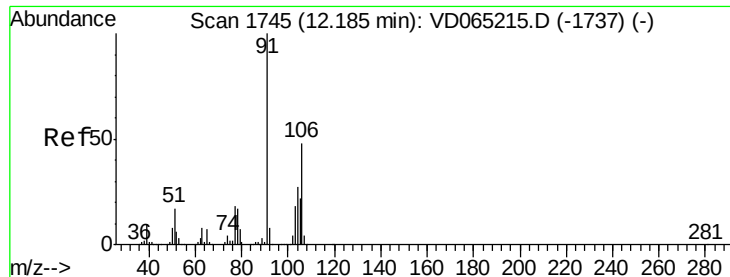
Tgt Ion: 106 Resp: 379588

Ion Ratio Lower Upper

106 100

91 196.4 158.2 237.4





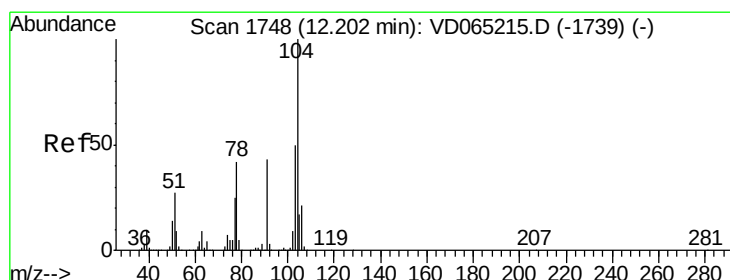
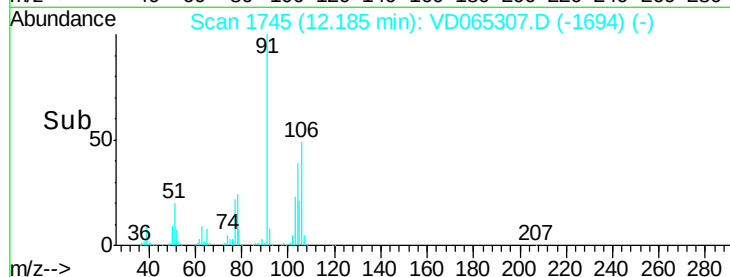
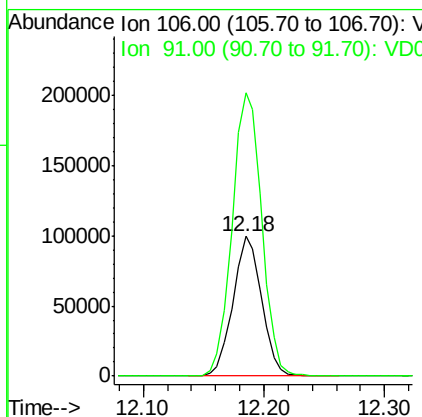
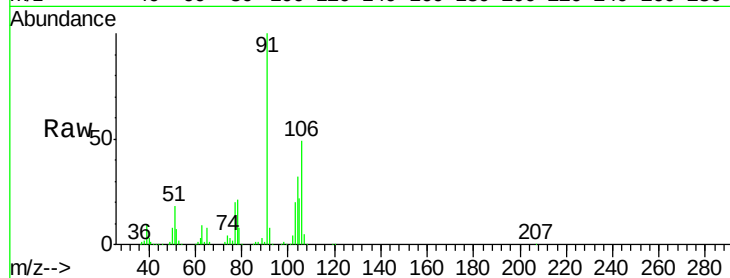
#69
o-Xylene
Concen: 20.943 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	164490		
91	91	208.4	104.7	313.9	

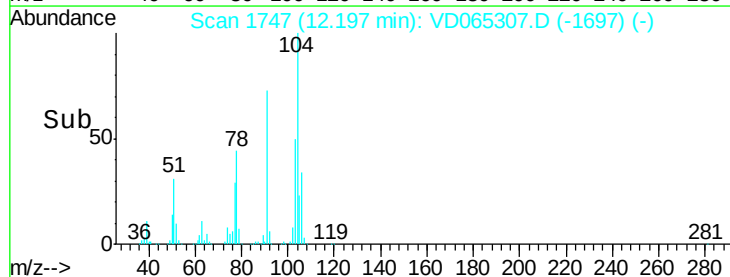
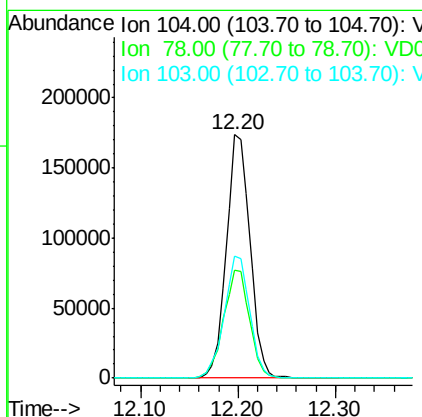
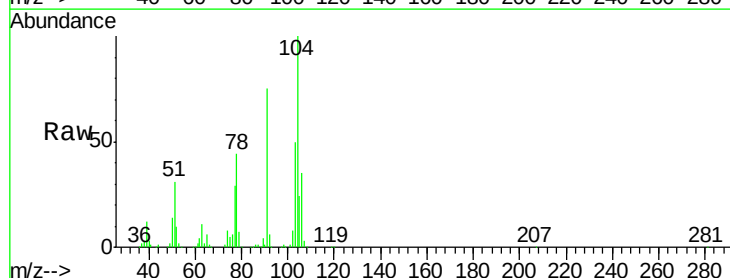
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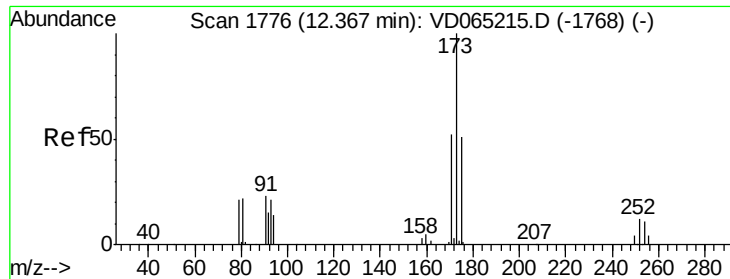
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#70
Styrene
Concen: 21.047 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	293494		
78	78	48.2	37.8	56.6	
103	103	53.7	43.4	65.2	





#71

Bromoform

Concen: 20.868 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

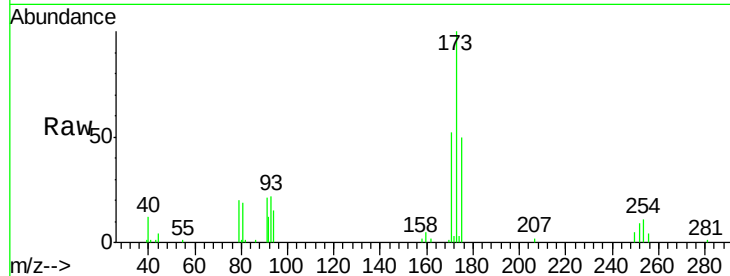
ClientSampleId :

VD0225SBS01

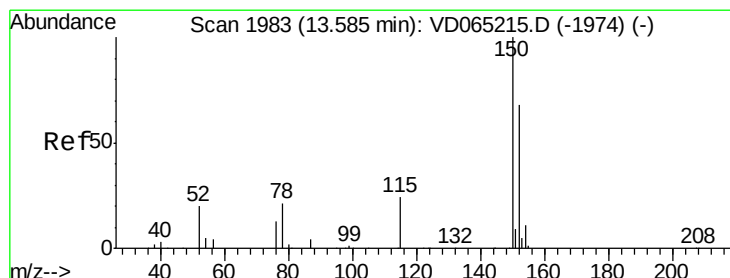
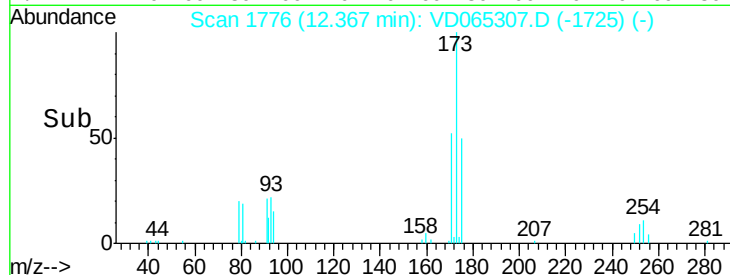
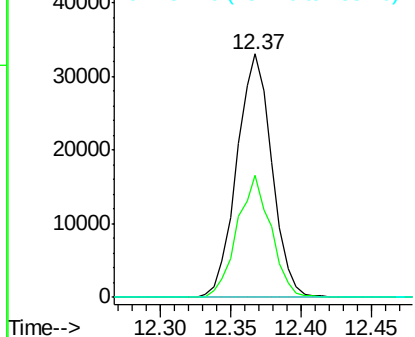
Tot Ion:	173	Resp:	57173
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.4	73.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

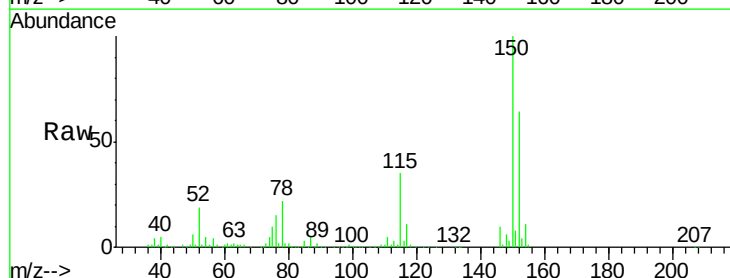
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

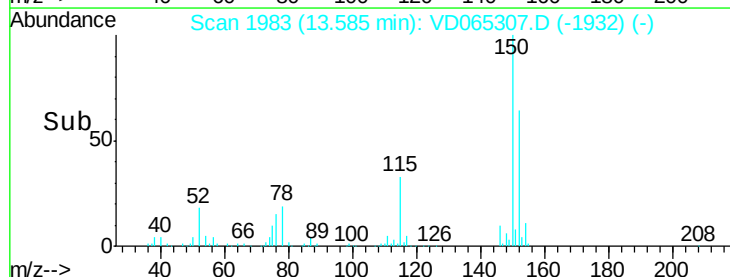
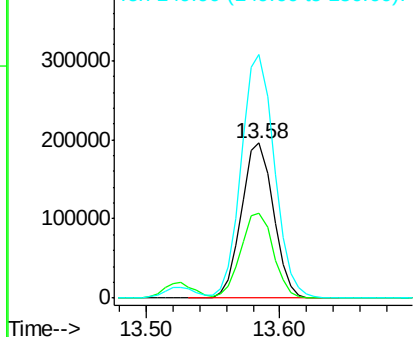
Lab File: VD065307.D

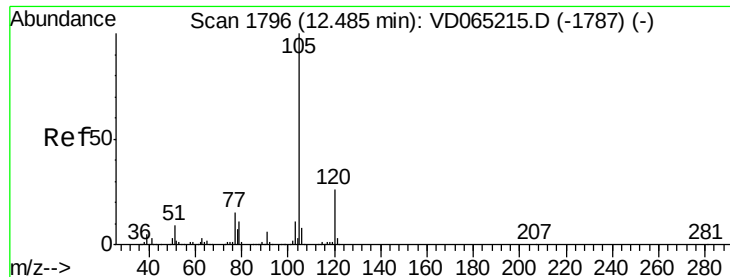
Acq: 25 Feb 2020 13:13

Tgt Ion:	152	Resp:	324324
Ion Ratio	Lower	Upper	
152	100		
115	55.9	27.6	82.8
150	163.3	0.0	347.4



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





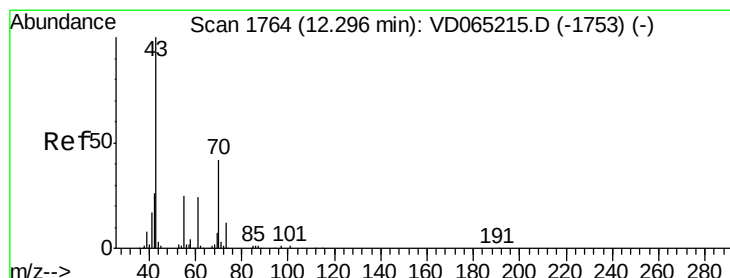
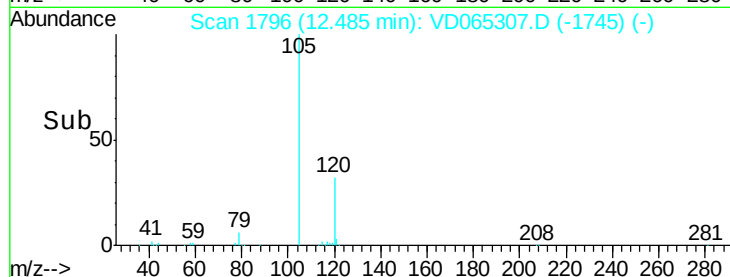
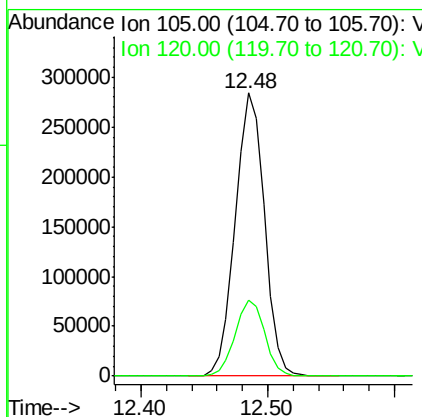
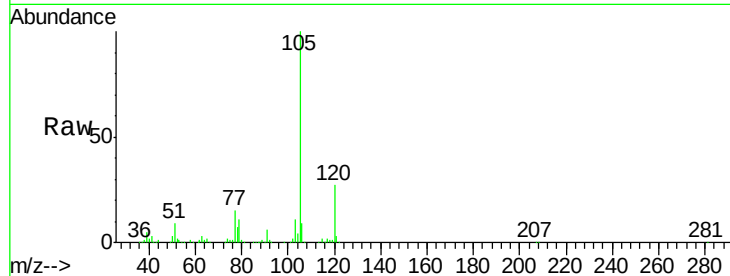
#73
Isopropylbenzene
Concen: 21.040 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.3	39.9

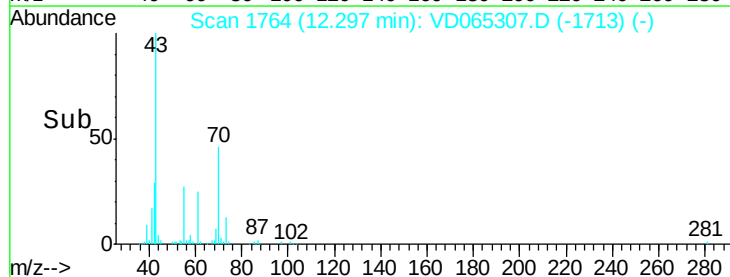
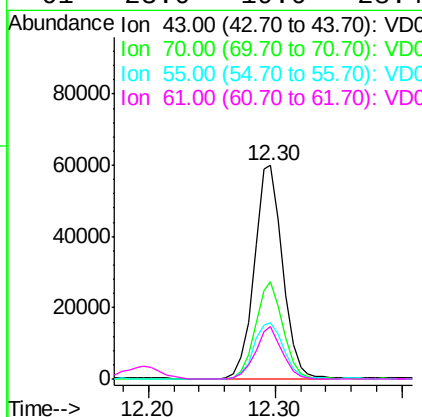
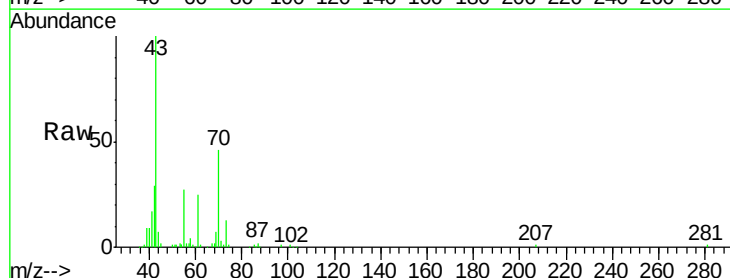
Manual Integrations
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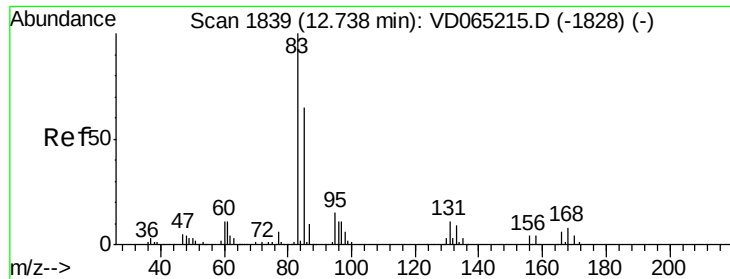
MMDadoda
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#74
N-ethyl acetate
Concen: 19.670 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.0	33.7	50.5
55	27.9	20.7	31.1
61	23.0	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.229 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

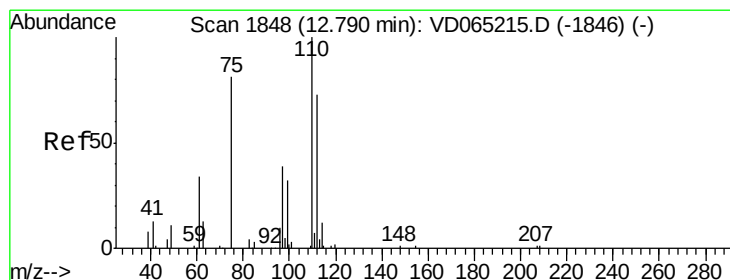
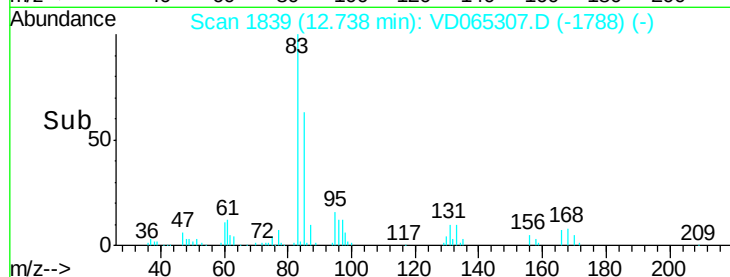
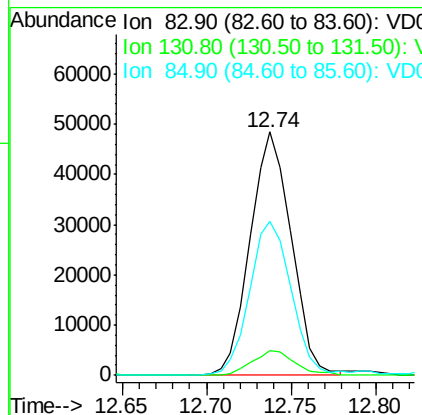
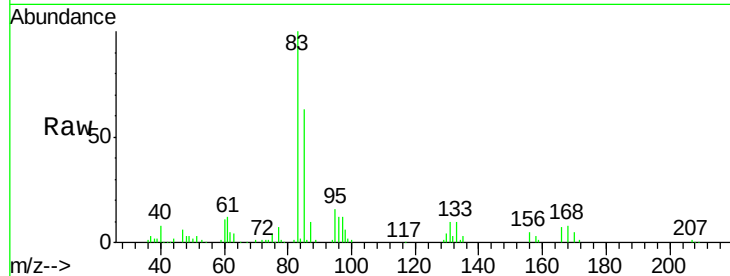
ClientSampleId :

VD0225SBS01

Tot Ion:	83	Resp:	82265
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	63.9	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 19.027 ug/l m

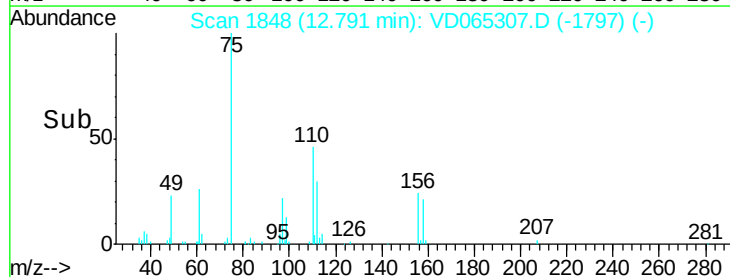
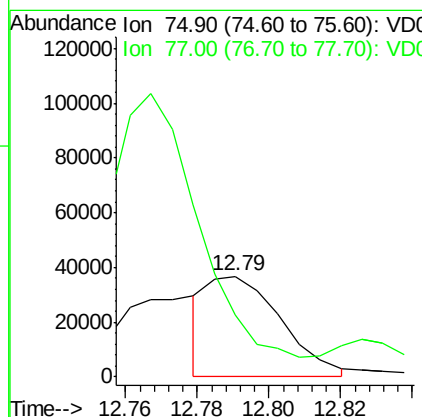
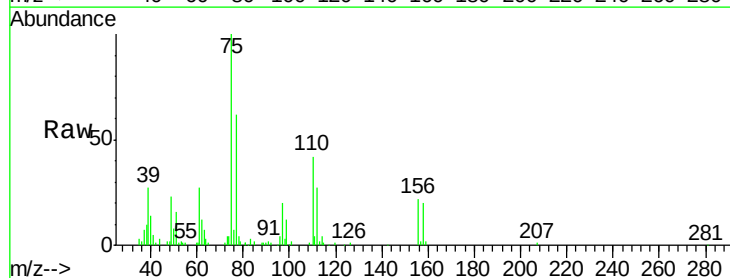
RT: 12.79 min Scan# 1848

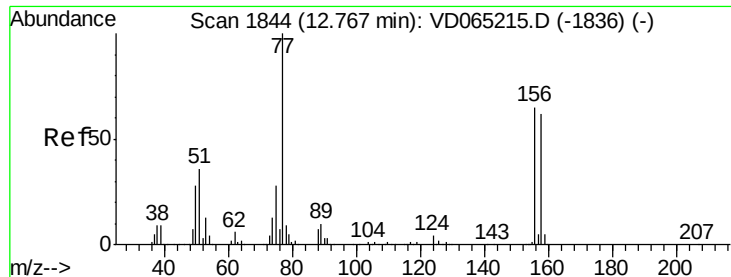
Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Tgt Ion:	75	Resp:	52504
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.895 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

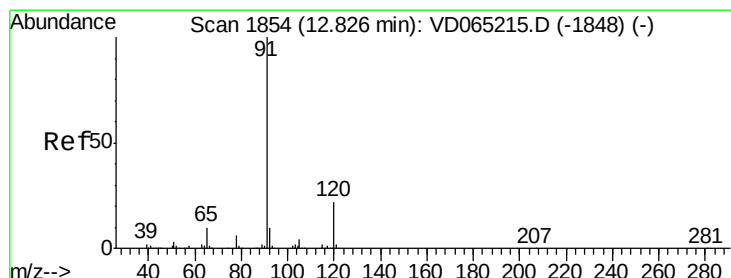
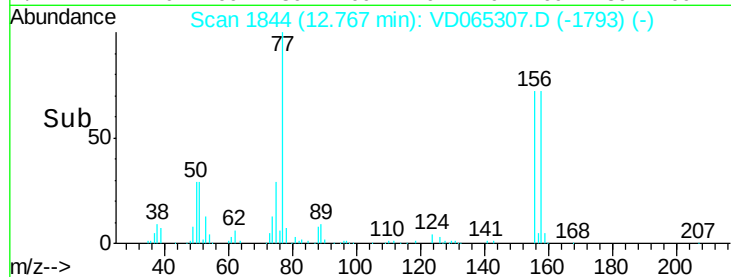
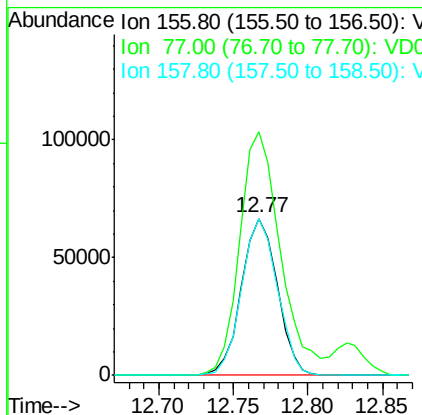
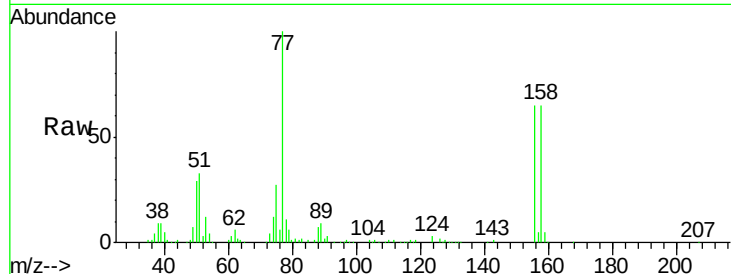
ClientSampleId :

VD0225SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		111408		
77	175.3	86.6	259.7		
158	99.1	48.1	144.3		

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#78

n-propylbenzene

Concen: 21.236 ug/l

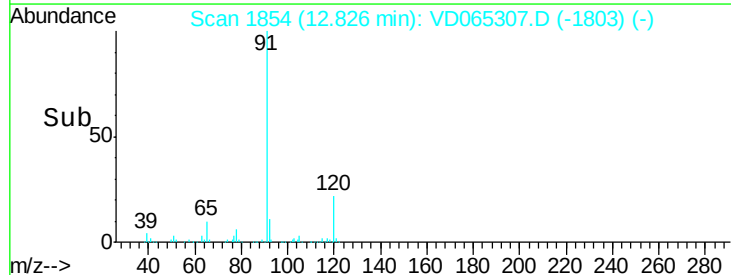
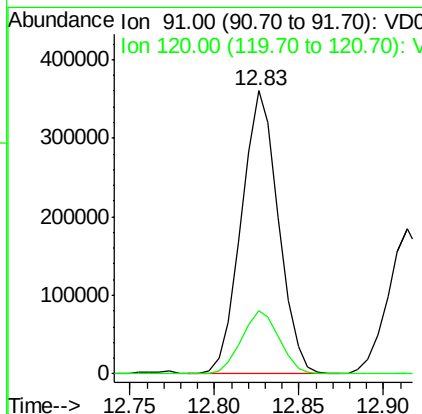
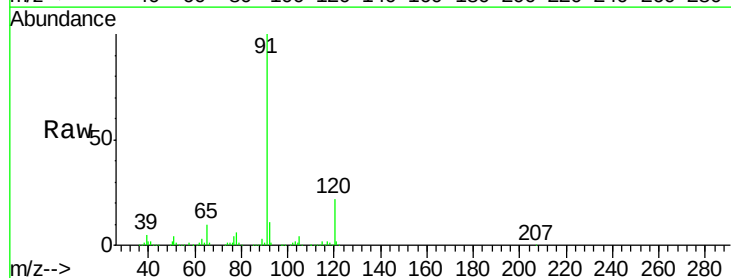
RT: 12.83 min Scan# 1854

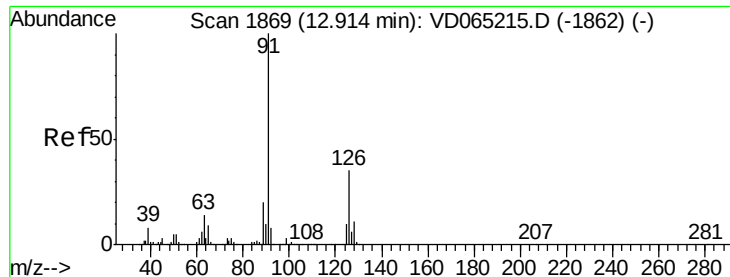
Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		547943		
120	22.9	11.5	34.5		





#79

2-Chlorotoluene

Concen: 20.856 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 91 Resp: 301472

Ion Ratio Lower Upper

91 100

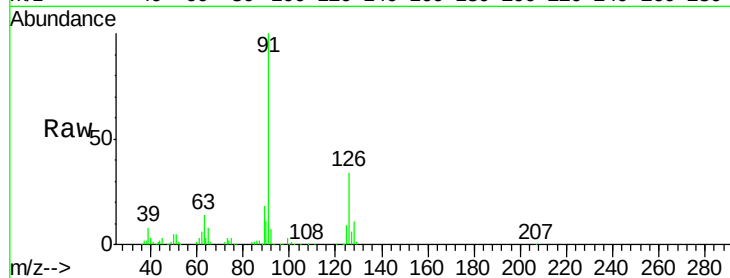
126 35.6 17.5 52.6

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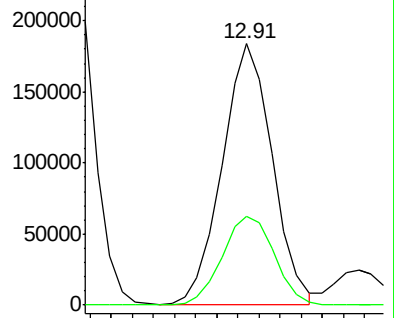
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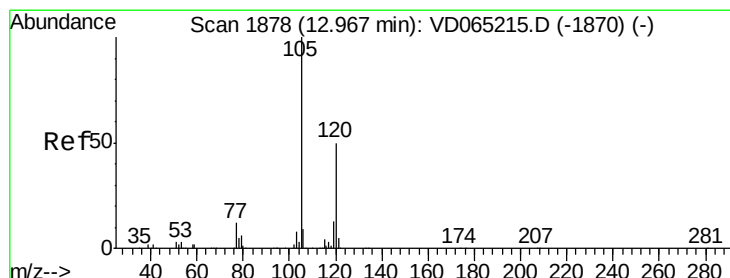
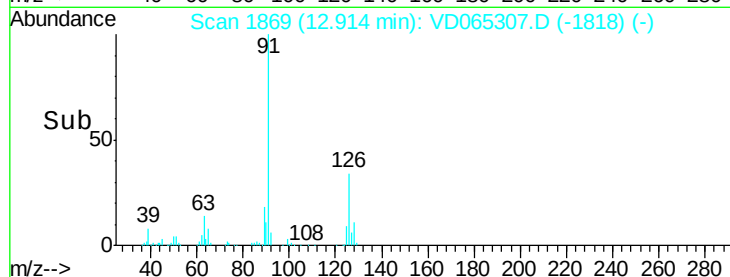


Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065215.D (-1862) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.537 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065307.D

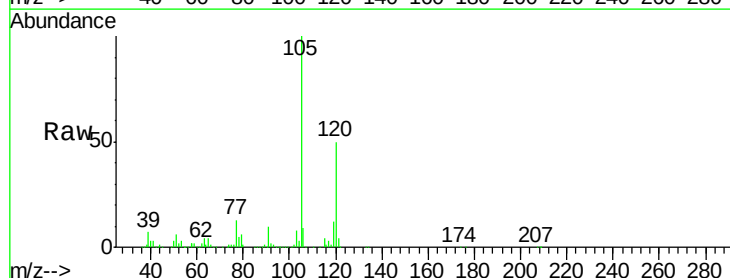
Acq: 25 Feb 2020 13:13

Tgt Ion: 105 Resp: 380881

Ion Ratio Lower Upper

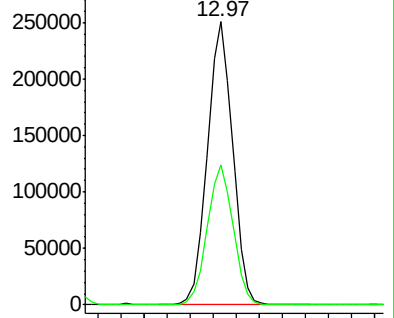
105 100

120 50.3 25.4 76.4

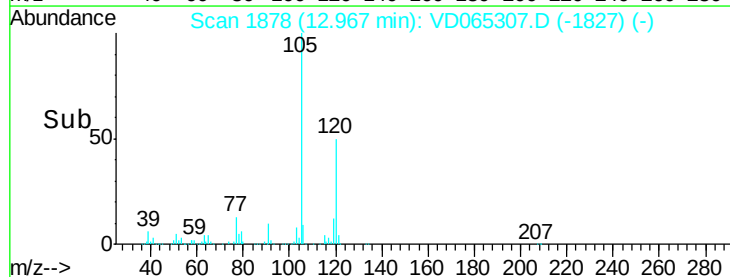


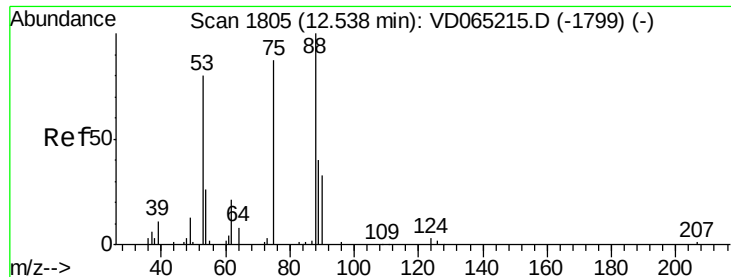
Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065215.D (-1870) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.307 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

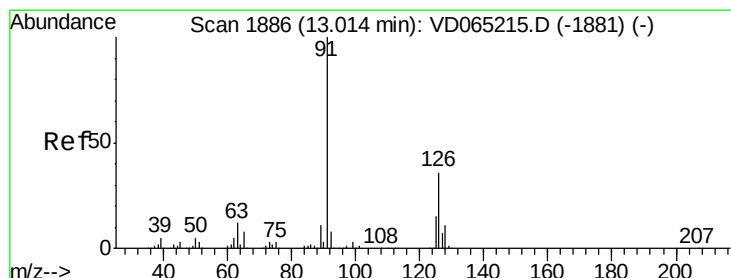
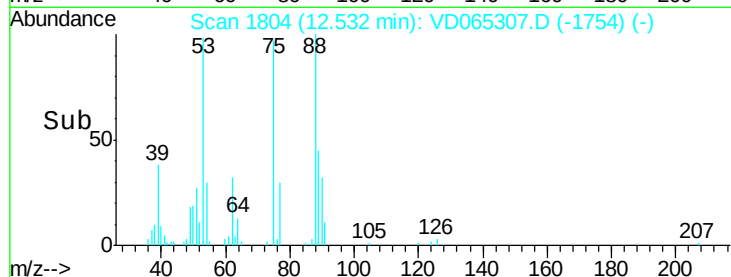
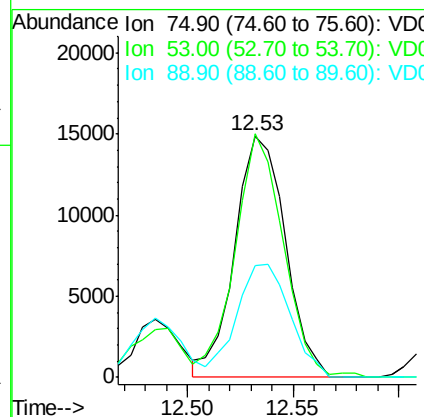
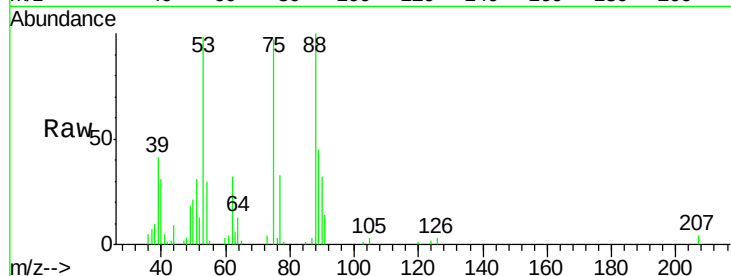
ClientSampleId :

VD0225SBS01

Tot Ion:	75	Resp:	24675
Ion	Ratio	Lower	Upper
75	100		
53	96.4	77.6	116.4
89	49.3	37.2	55.8

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#82

4-Chlorotoluene

Concen: 20.981 ug/l

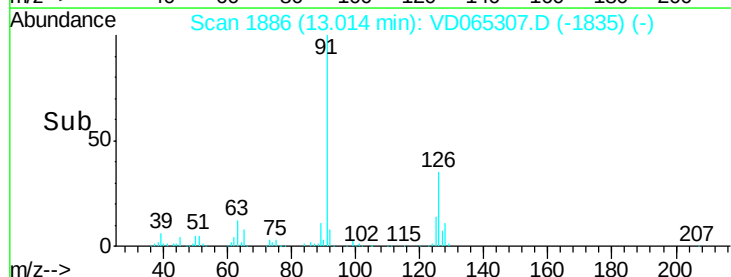
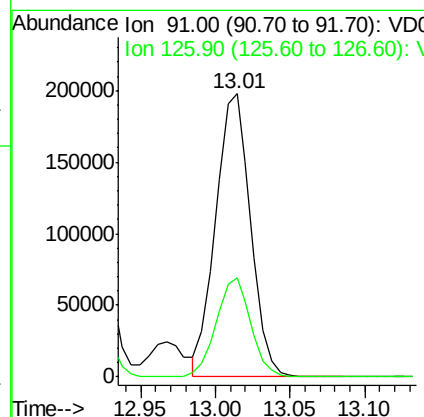
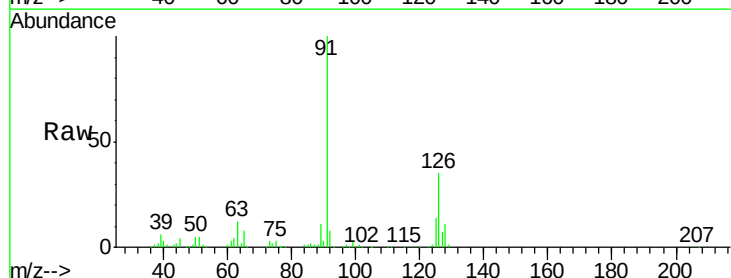
RT: 13.01 min Scan# 1886

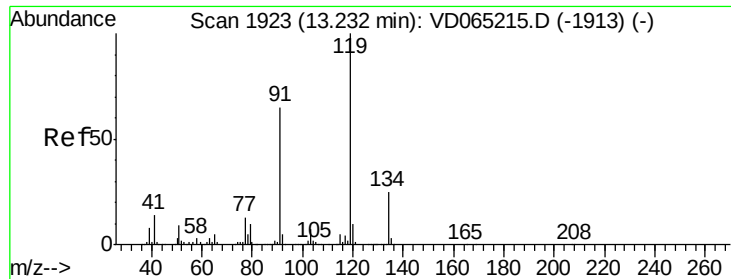
Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Tgt Ion:	91	Resp:	321977
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.4	52.3





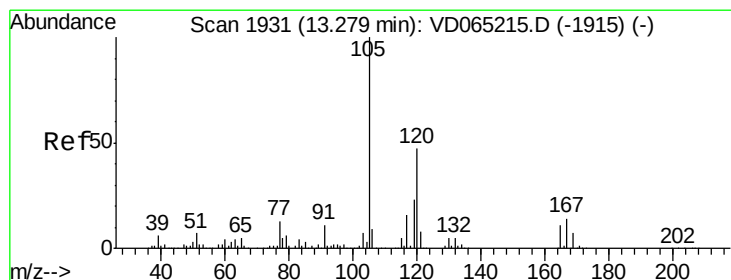
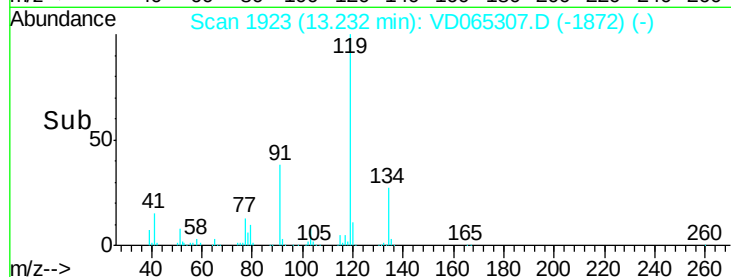
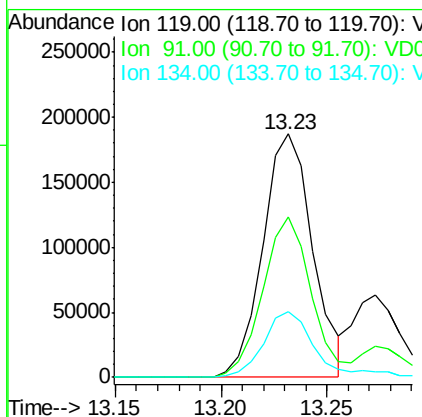
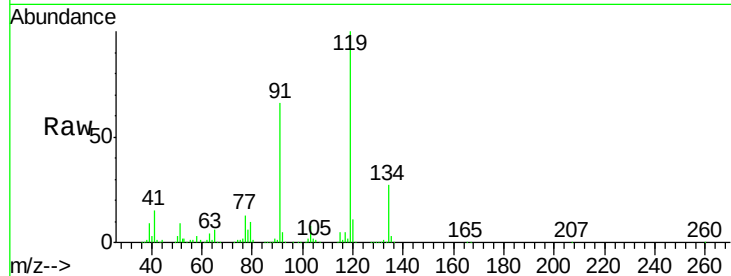
#83
 tert-Butylbenzene
 Concen: 20.776 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	307942		
91	64.2	31.9	95.5	
134	28.3	13.8	41.3	

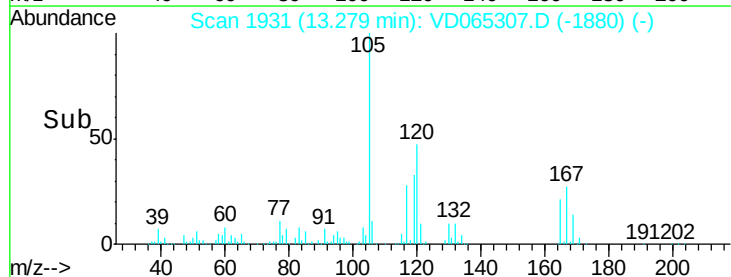
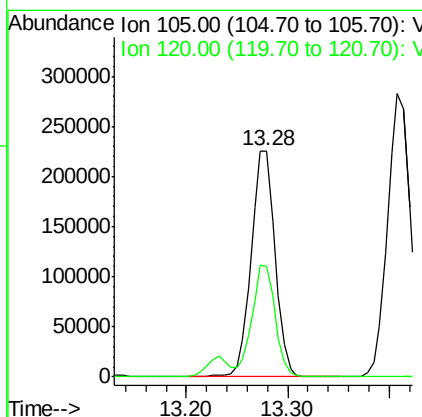
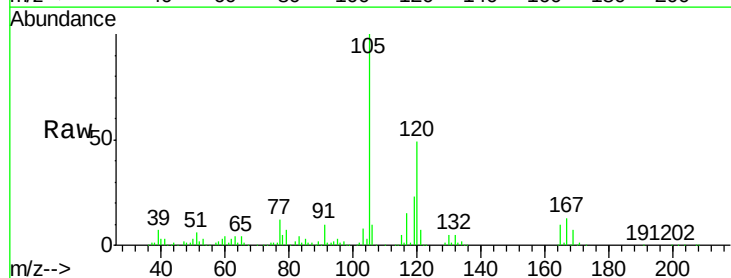
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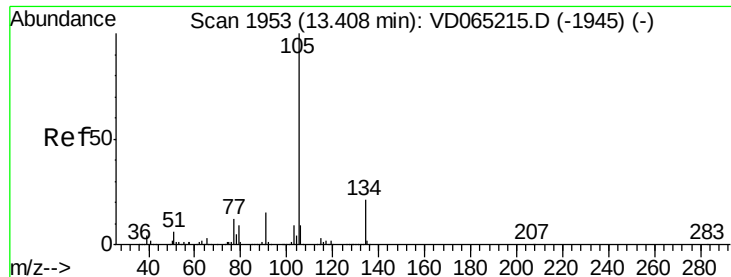
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.872 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	369449		
120	47.4	23.3	69.9	





#85

sec-Butylbenzene

Concen: 20.775 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion:105 Resp: 443713

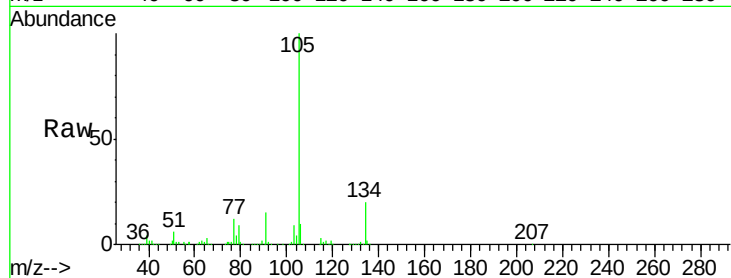
Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.9

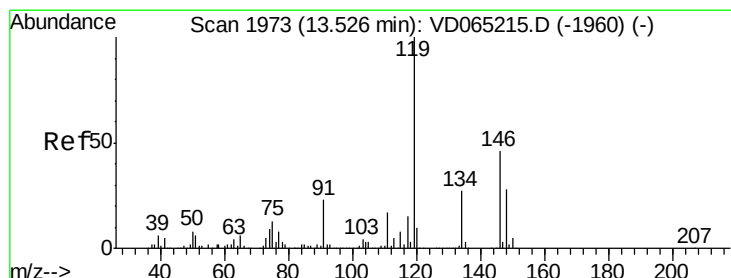
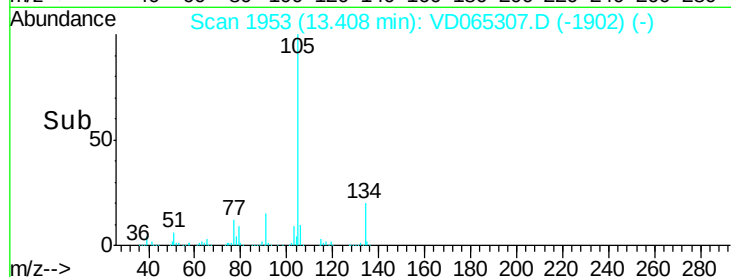
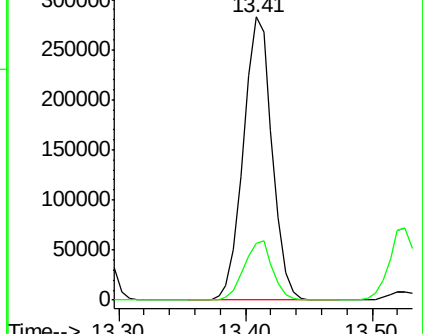
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.769 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

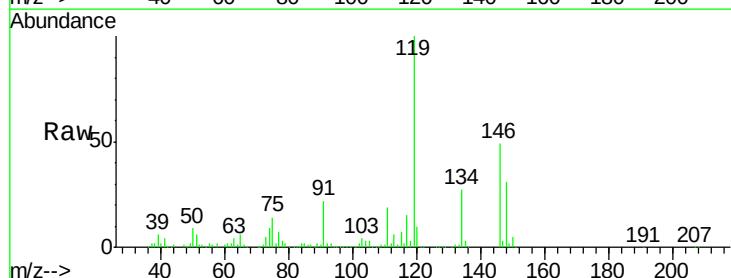
Tgt Ion:119 Resp: 405644

Ion Ratio Lower Upper

119 100

134 27.2 13.3 39.8

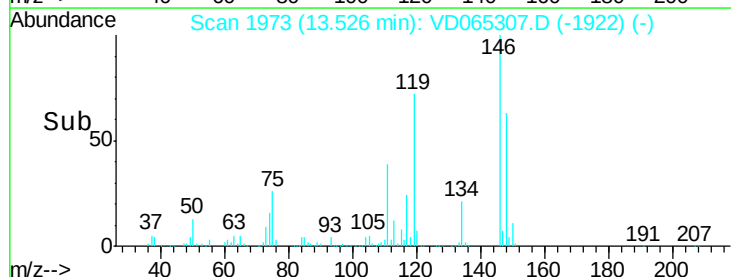
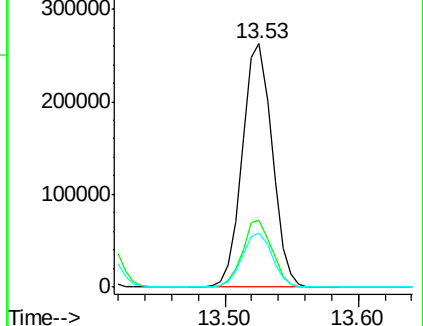
91 22.1 11.1 33.1

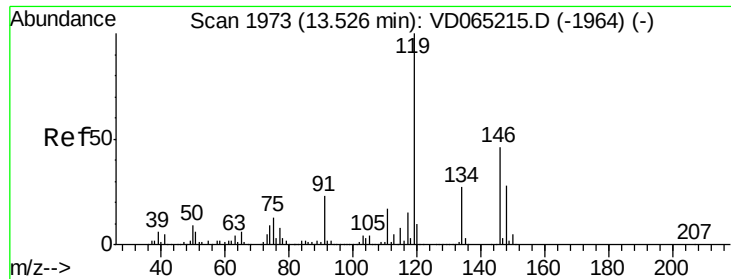


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





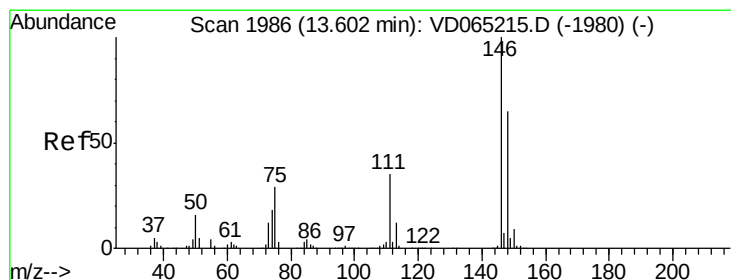
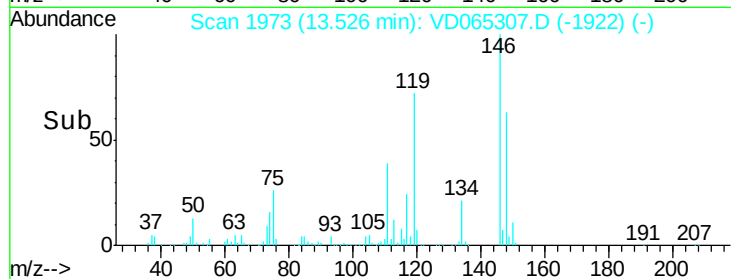
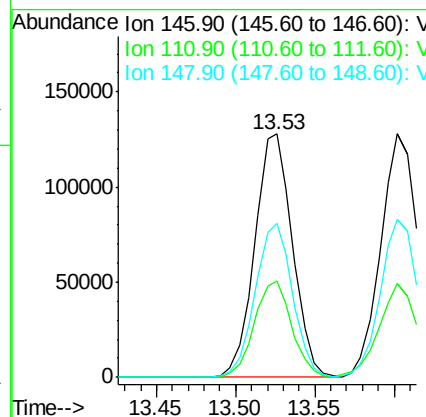
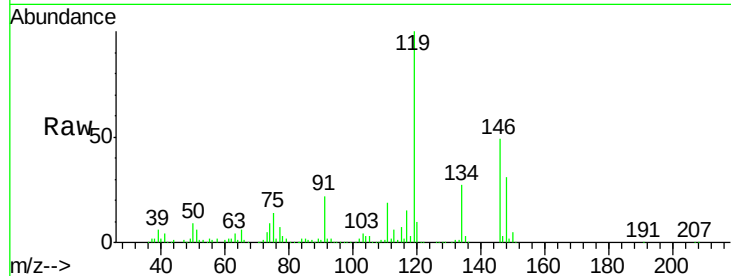
#87
 1,3-Dichlorobenzene
 Concen: 20.539 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	211711		
111	39.3	18.6	55.8	
148	62.4	31.4	94.3	

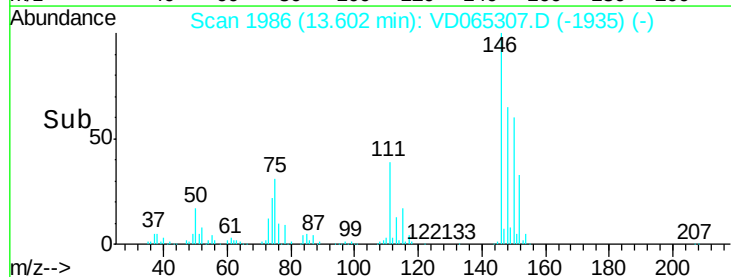
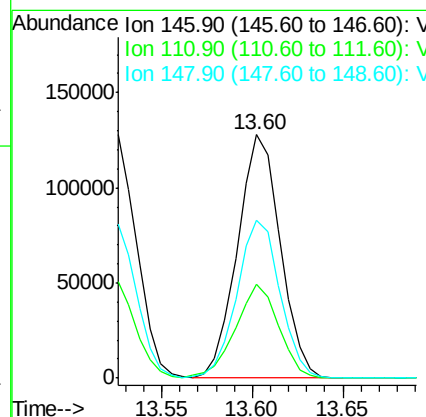
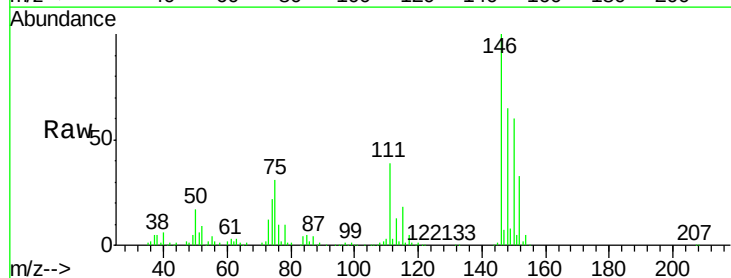
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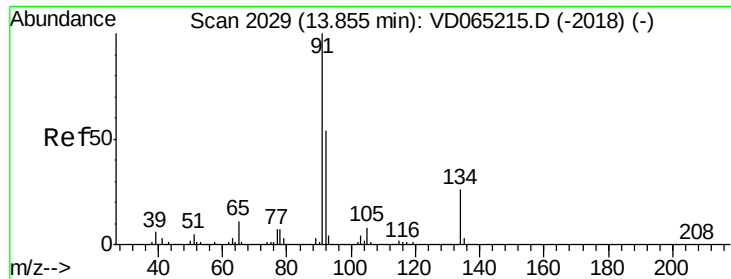
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#88
 1,4-Dichlorobenzene
 Concen: 20.675 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	210324		
111	38.9	18.4	55.2	
148	65.1	32.1	96.5	





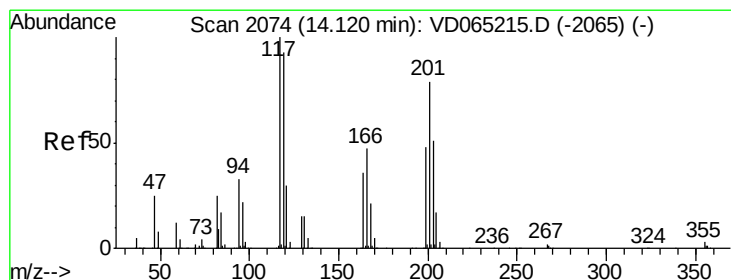
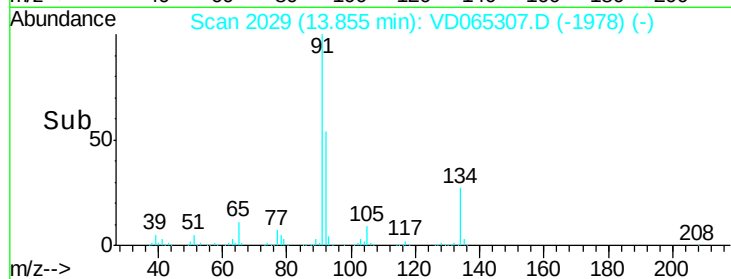
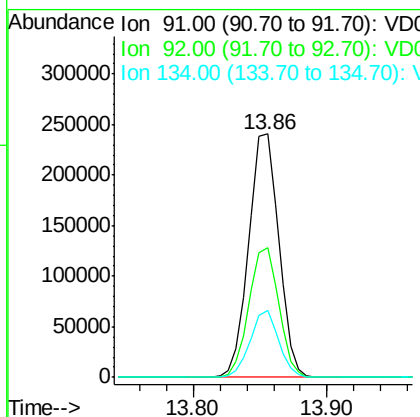
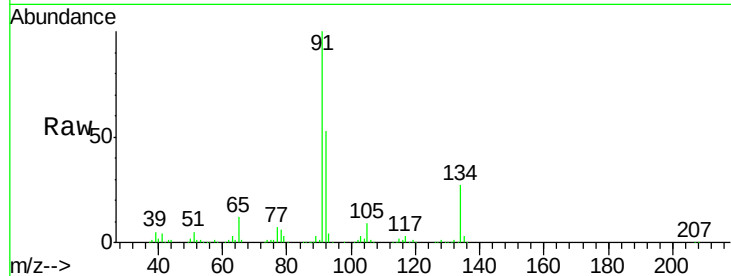
#89
n-Butylbenzene
Concen: 20.801 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.0	27.0	80.8	
134	26.1	13.5	40.4	

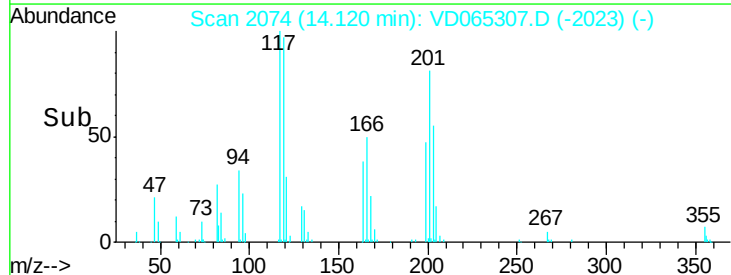
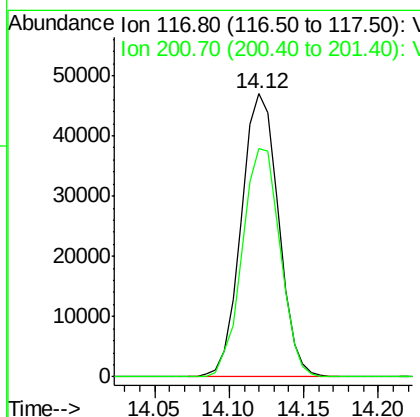
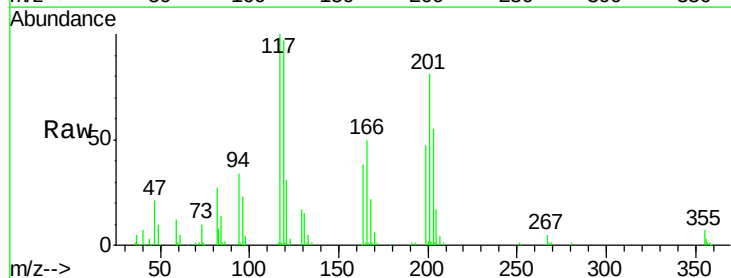
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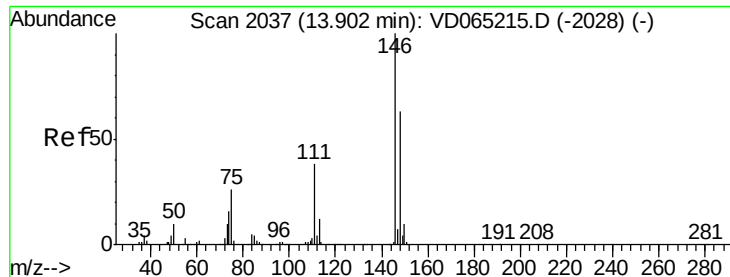
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#90
Hexachloroethane
Concen: 20.459 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

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





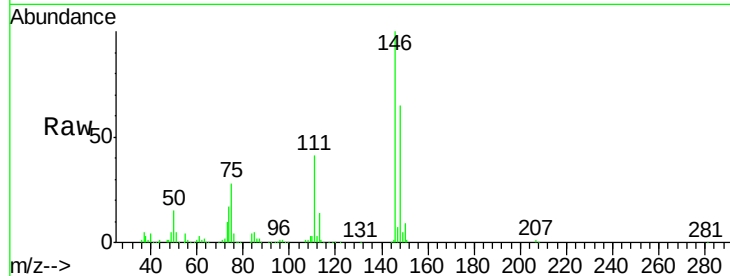
#91
 1,2-Dichlorobenzene
 Concen: 21.066 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

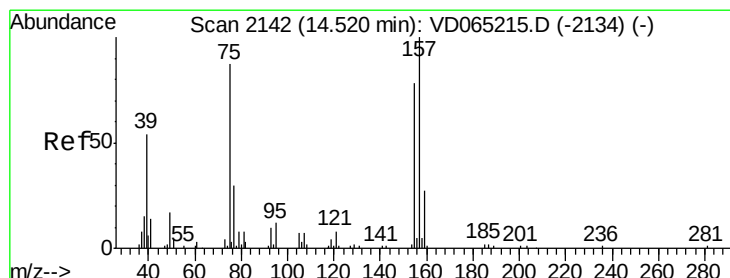
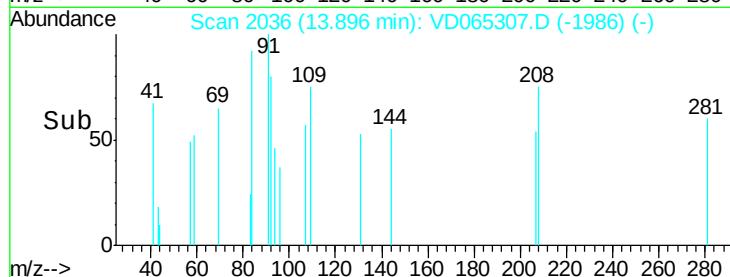
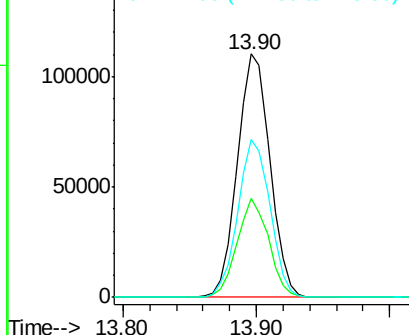
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.0
148	63.9	32.0	96.2

Manual Integrations
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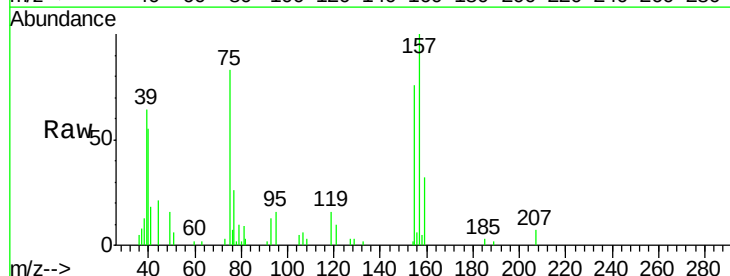


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

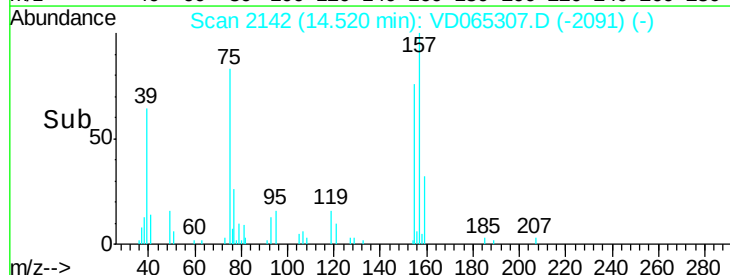
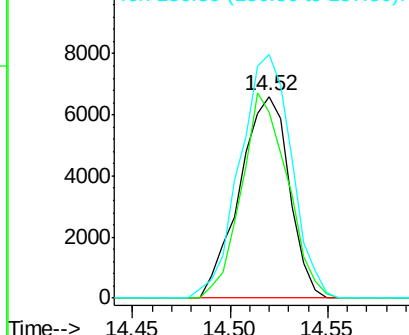


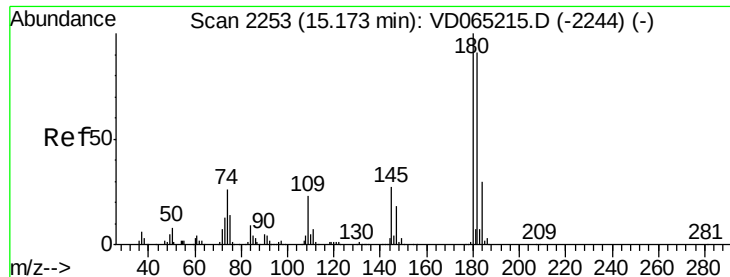
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.436 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.5	42.3	126.9
157	126.1	56.7	170.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





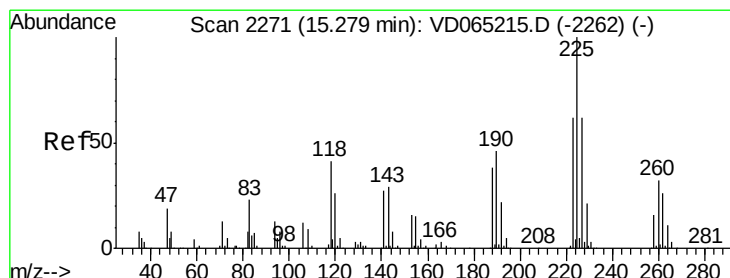
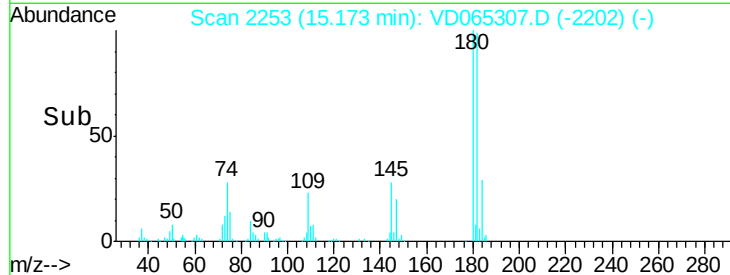
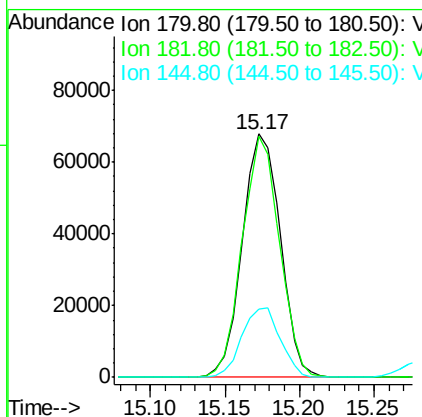
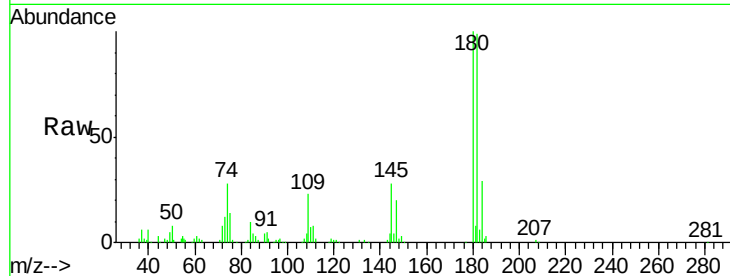
#93
 1,2,4-Trichlorobenzene
 Concen: 20.695 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119807		
182	96.8	46.9	140.6	
145	28.9	13.9	41.7	

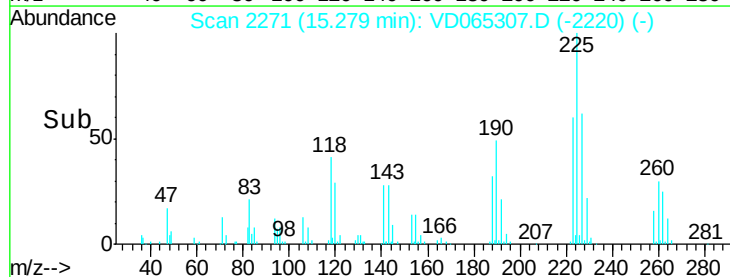
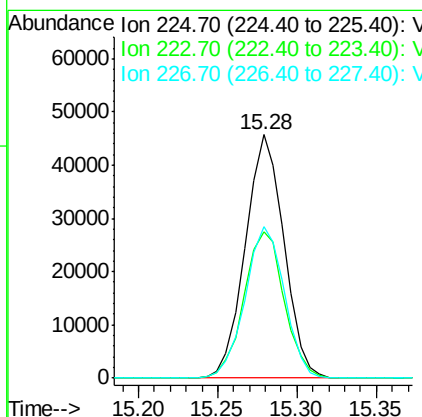
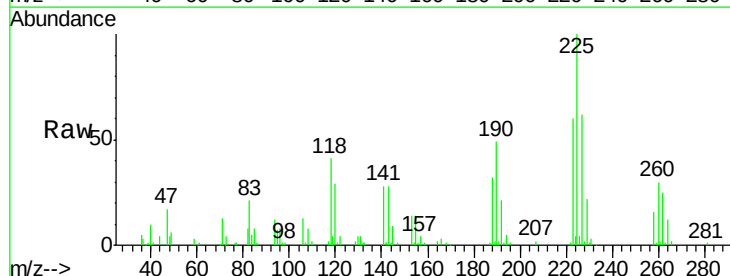
Manual Integrations
 APPROVED

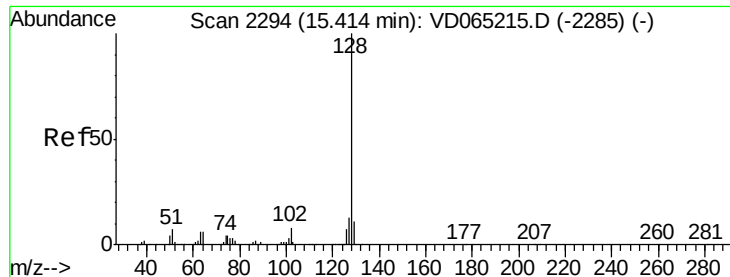
MMDadoda
 2/26/2020 10:25:42 AM



#94
 Hexachlorobutadiene
 Concen: 20.839 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77390		
223	62.6	31.4	94.2	
227	63.2	31.7	95.1	





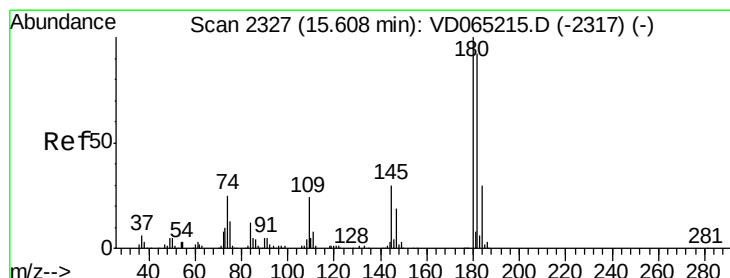
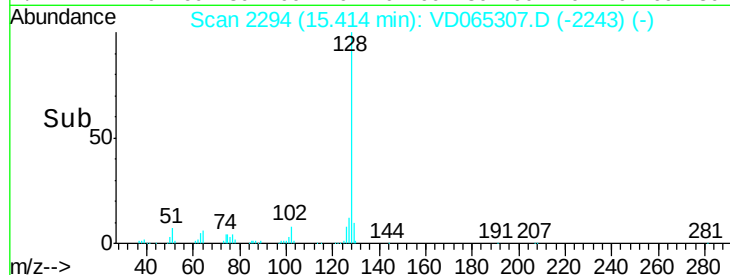
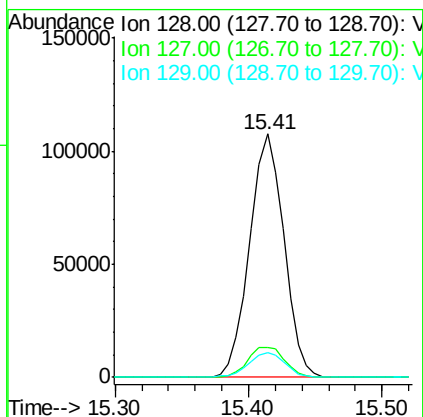
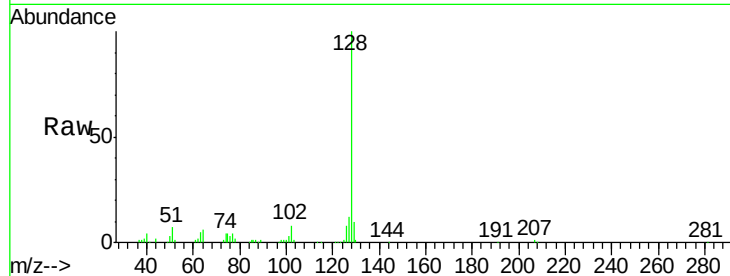
#95
Naphthalene
Concen: 20.335 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	191377		
127	13.6	10.3	15.5	
129	10.7	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
2/26/2020 10:25:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.962 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	105984		
182	93.9	46.9	140.6	
145	29.2	15.4	46.1	

