

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021420\
 Data File : VD065186.D
 Acq On : 14 Feb 2020 14:25
 Operator : VA/SY
 Sample : VD0214SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0214SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/17/2020 10:34:59 AM

Quant Time: Feb 15 00:36:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	450465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	678064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	610741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	210727	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
35) Dibromofluoromethane	7.92	113	215233	56.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.78%	
50) Toluene-d8	10.34	98	846498	56.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.44%	
62) 4-Bromofluorobenzene	12.64	95	259021	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77088	20.564	ug/l	95
3) Chloromethane	2.21	50	101646	23.035	ug/l	97
4) Vinyl Chloride	2.35	62	104852	22.468	ug/l	92
5) Bromomethane	2.77	94	62544	20.669	ug/l	92
6) Chloroethane	2.93	64	65477	22.619	ug/l	99
7) Trichlorofluoromethane	3.27	101	151301	22.278	ug/l	95
8) Diethyl Ether	3.71	74	40822	20.938	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93185	22.444	ug/l	98
10) Methyl Iodide	4.29	142	94893	20.024	ug/l	99
11) Tert butyl alcohol	5.24	59	25795	110.272	ug/l	96
12) 1,1-Dichloroethene	4.06	96	86757	21.818	ug/l	99
13) Acrolein	3.92	56	21305	74.049	ug/l	99
14) Allyl chloride	4.71	41	143359	21.693	ug/l	96
15) Acrylonitrile	5.42	53	90393	106.047	ug/l	99
16) Acetone	4.16	43	93684	97.872	ug/l	99
17) Carbon Disulfide	4.40	76	277746	21.755	ug/l	96
18) Methyl Acetate	4.72	43	46571	23.287	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	177471	20.183	ug/l	95
20) Methylene Chloride	4.96	84	109666	23.968	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	98300	21.850	ug/l	97
22) Diisopropyl ether	6.36	45	274775	22.043	ug/l	99
23) Vinyl Acetate	6.31	43	697545	100.396	ug/l	99
24) 1,1-Dichloroethane	6.26	63	171241	22.696	ug/l	97
25) 2-Butanone	7.22	43	112569	98.588	ug/l	94
26) 2,2-Dichloropropane	7.21	77	153154	22.646	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	103527	21.661	ug/l	99
28) Bromochloromethane	7.55	49	57617	20.145	ug/l	97
29) Tetrahydrofuran	7.57	42	70666	102.342	ug/l	97
30) Chloroform	7.71	83	171426	22.818	ug/l	98
31) Cyclohexane	7.98	56	161232	21.169	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	157870	22.559	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136181	21.599	ug/l	99
37) Ethyl Acetate	7.30	43	54126	21.013	ug/l	97
38) Carbon Tetrachloride	8.10	117	143503	22.285	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	155980	20.043	ug/l	100
40) Benzene	8.35	78	387563	22.260	ug/l	99
41) Methacrylonitrile	7.52	41	27477	19.363	ug/l	93
42) 1,2-Dichloroethane	8.43	62	107490	21.667	ug/l	97
43) Isopropyl Acetate	8.46	43	97968	19.883	ug/l	98
44) Trichloroethene	9.11	130	107485	21.507	ug/l	96
45) 1,2-Dichloropropane	9.39	63	95167	22.797	ug/l	99
46) Dibromomethane	9.48	93	48697	22.200	ug/l	96
47) Bromodichloromethane	9.66	83	128932	22.307	ug/l	98
48) Methyl methacrylate	9.46	41	45509	19.194	ug/l	95
49) 1,4-Dioxane	9.47	88	10678	410.985	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	244483	100.805	ug/l	99
52) Toluene	10.40	92	247979	22.315	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	118121	20.990	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	144977	21.540	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	66834	22.213	ug/l	95
56) Ethyl methacrylate	10.67	69	73579	19.327	ug/l	95
57) 1,3-Dichloropropane	10.95	76	112765	21.313	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	113046	78.896	ug/l	99
59) 2-Hexanone	10.99	43	173387	100.929	ug/l	99
60) Dibromochloromethane	11.14	129	85043	21.822	ug/l	99
61) 1,2-Dibromoethane	11.25	107	63087	21.458	ug/l	99
64) Tetrachloroethene	10.88	164	89727	20.446	ug/l	98
65) Chlorobenzene	11.67	112	259135	21.937	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	95278	21.854	ug/l	99
67) Ethyl Benzene	11.75	91	451680	21.046	ug/l	98
68) m/p-Xylenes	11.86	106	346749	42.332	ug/l	100
69) o-Xylene	12.18	106	149724	20.298	ug/l	98
70) Styrene	12.20	104	268703	20.959	ug/l	98
71) Bromoform	12.37	173	49941	21.282	ug/l #	100
73) Isopropylbenzene	12.48	105	411780	20.884	ug/l	100
74) N-amyl acetate	12.30	43	82693	19.295	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	70497	22.718	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	44457m	20.441	ug/l	
77) Bromobenzene	12.77	156	100160	21.084	ug/l	97
78) n-propylbenzene	12.83	91	508761	22.033	ug/l	99
79) 2-Chlorotoluene	12.91	91	279772	21.737	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	347400	21.537	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22417	20.613	ug/l	93
82) 4-Chlorotoluene	13.01	91	297185	21.985	ug/l	100
83) tert-Butylbenzene	13.23	119	280730	20.173	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	341883	21.349	ug/l	100
85) sec-Butylbenzene	13.41	105	406751	21.400	ug/l	100
86) p-Isopropyltoluene	13.53	119	375620	21.270	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	195740	22.007	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	192266	21.719	ug/l	100
89) n-Butylbenzene	13.85	91	344246	21.119	ug/l	100
90) Hexachloroethane	14.13	117	74535	22.289	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	164134	21.544	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10443	20.615	ug/l	98

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ClientSampleId :
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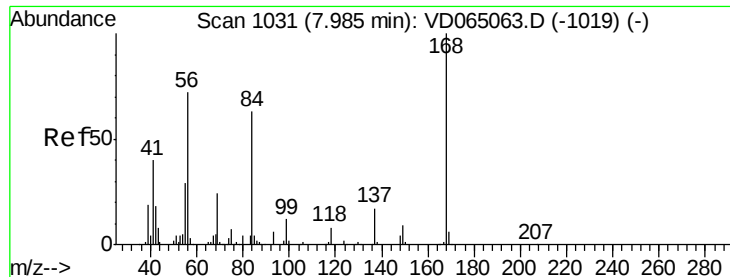
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	107801	19.798	ug/l	98
94) Hexachlorobutadiene	15.28	225	67337	20.112	ug/l	98
95) Naphthalene	15.41	128	162658	17.973	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	92947	19.956	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

VD0214SBS01

Tot Ion:168 Resp: 450465

Ion Ratio Lower Upper

168 100

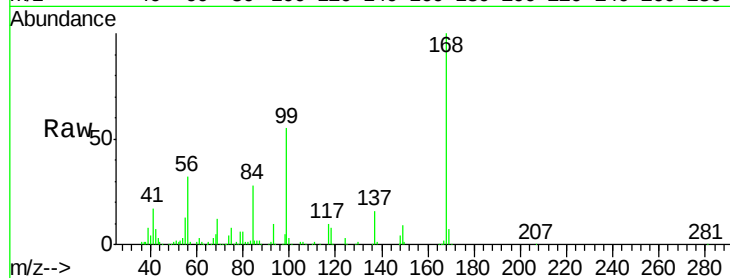
99 54.3 41.0 61.6

Manual Integrations

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2/17/2020 10:34:59 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

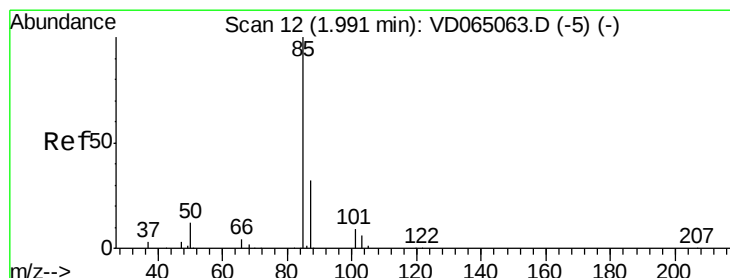
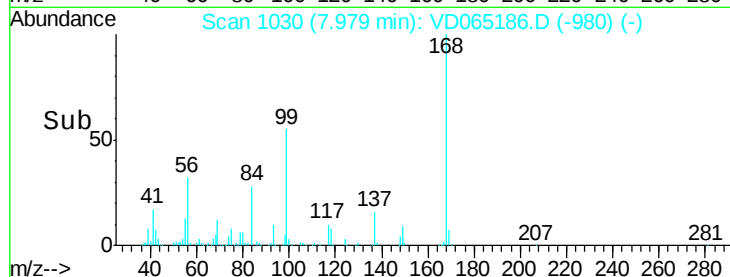
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50000

0

7.90 8.00 8.10 8.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.564 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065186.D

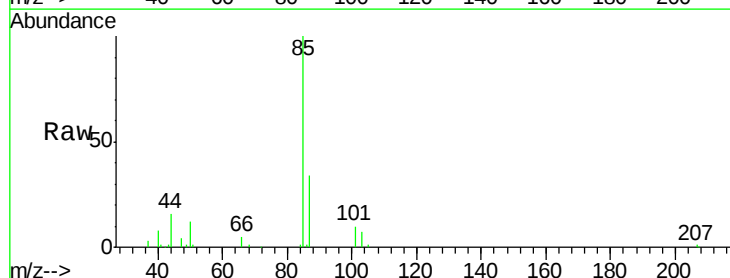
Acq: 14 Feb 2020 14:25

Tgt Ion: 85 Resp: 77088

Ion Ratio Lower Upper

85 100

87 34.4 15.8 47.3



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

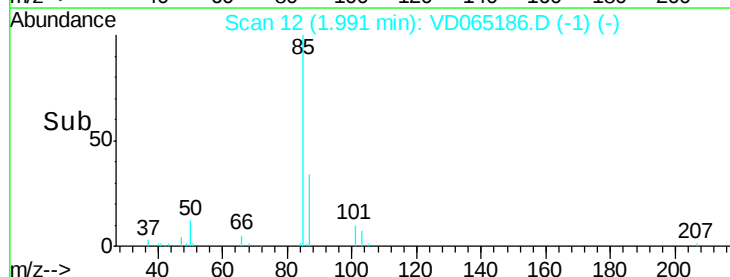
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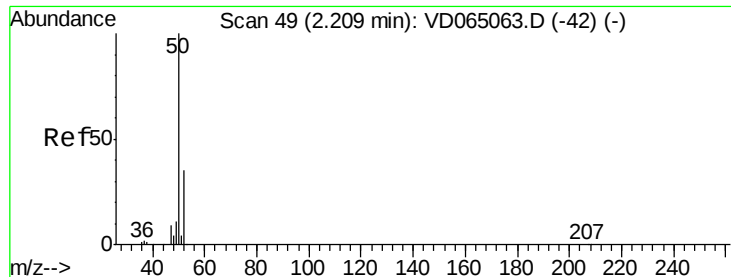
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1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 23.035 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

VD0214SBS01

Tot Ion: 50 Resp: 101646

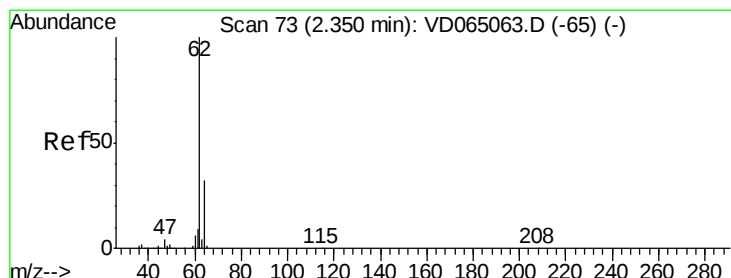
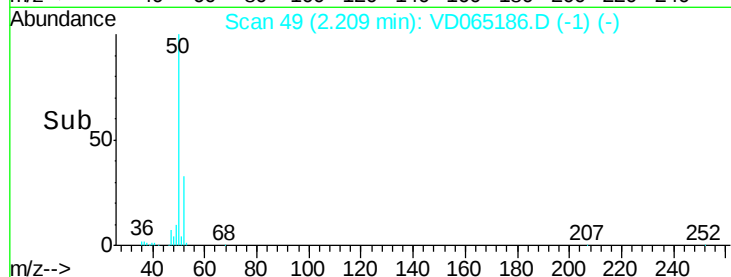
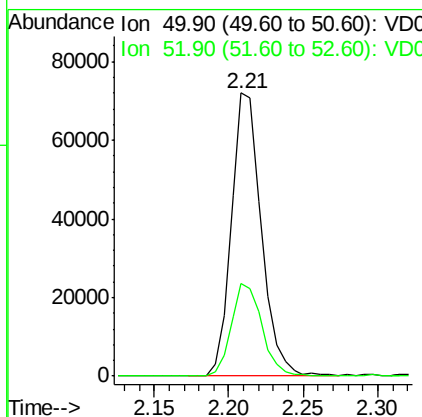
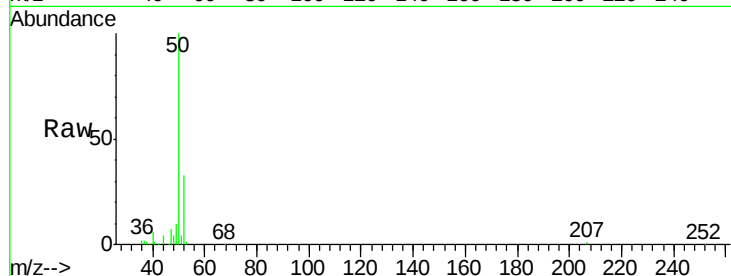
Ion Ratio Lower Upper

50 100

52 32.7 27.8 41.6

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 22.468 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065186.D

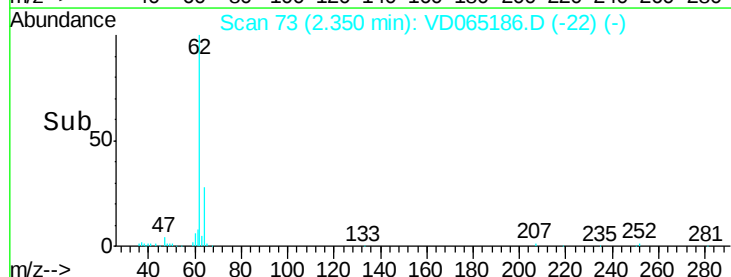
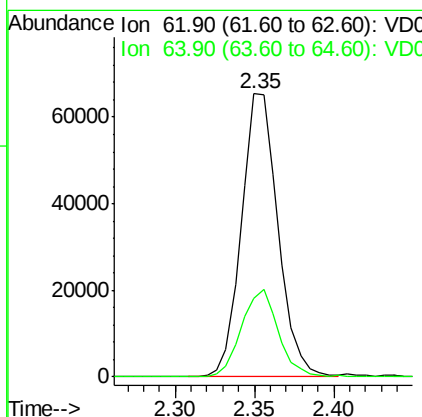
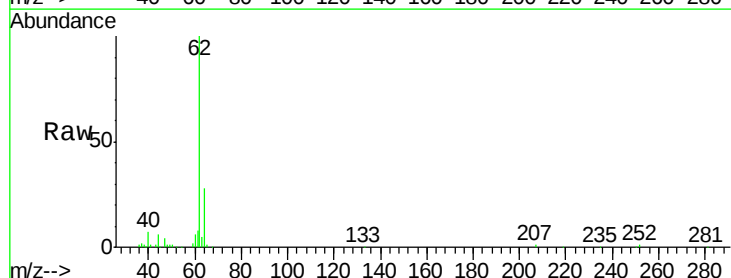
Acq: 14 Feb 2020 14:25

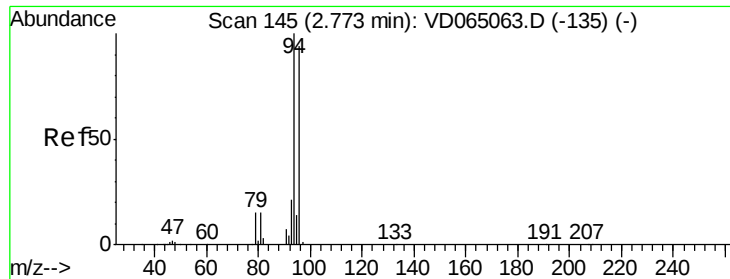
Tgt Ion: 62 Resp: 104852

Ion Ratio Lower Upper

62 100

64 28.0 25.9 38.9





#5

Bromomethane

Concen: 20.669 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

VD0214SBS01

Tot Ion: 94 Resp: 62544

Ion Ratio Lower Upper

94 100

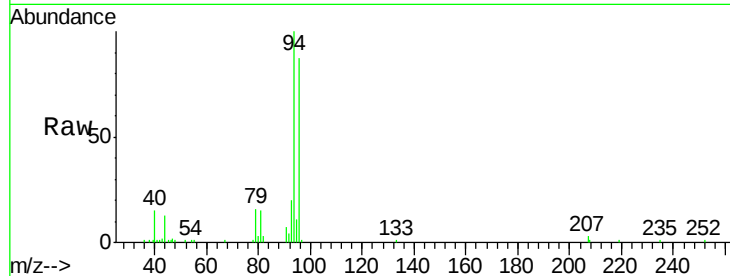
96 86.5 75.4 113.0

Manual Integrations

APPROVED

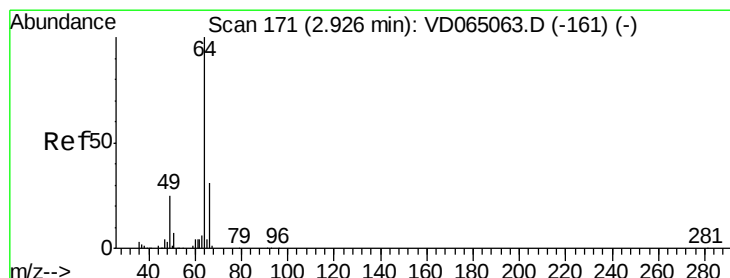
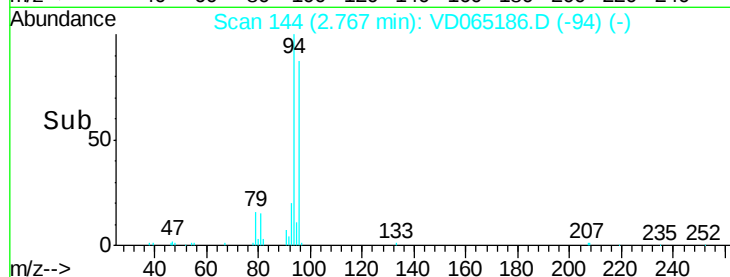
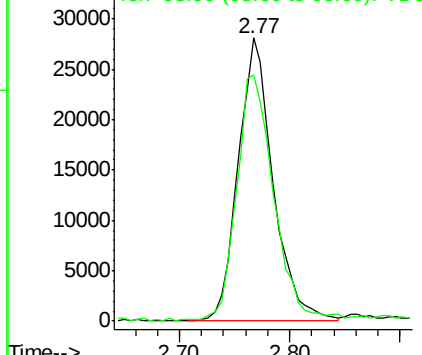
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2/17/2020 10:34:59 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.619 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065186.D

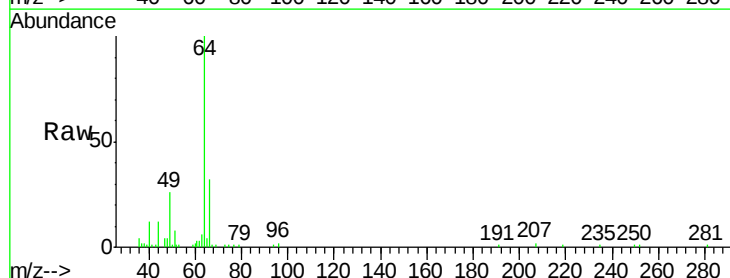
Acq: 14 Feb 2020 14:25

Tgt Ion: 64 Resp: 65477

Ion Ratio Lower Upper

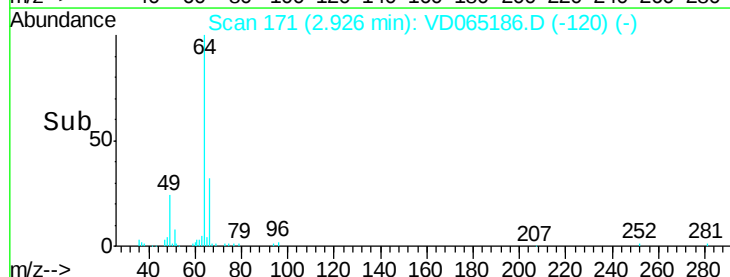
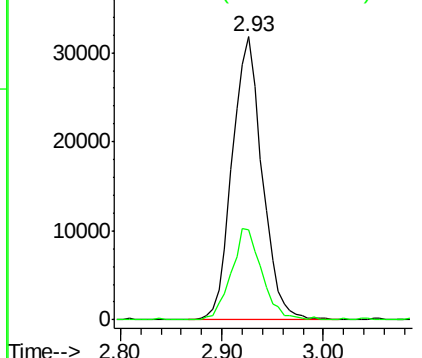
64 100

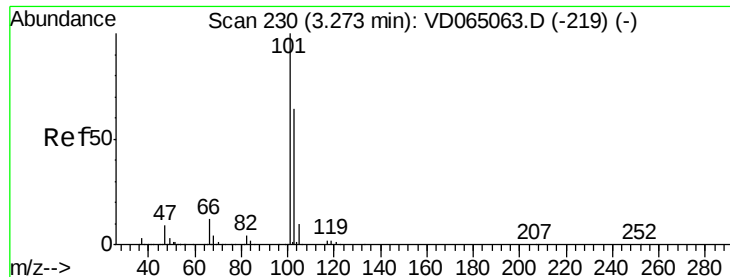
66 31.7 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

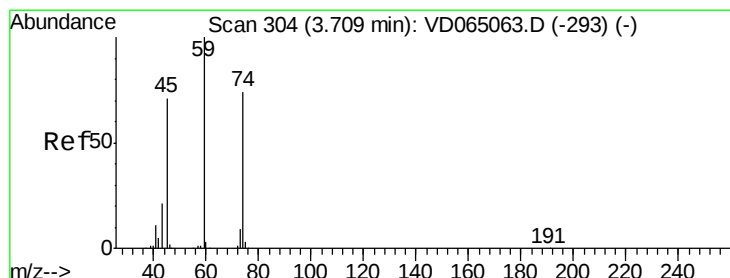
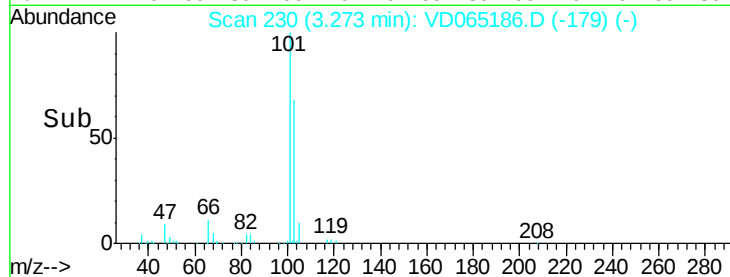
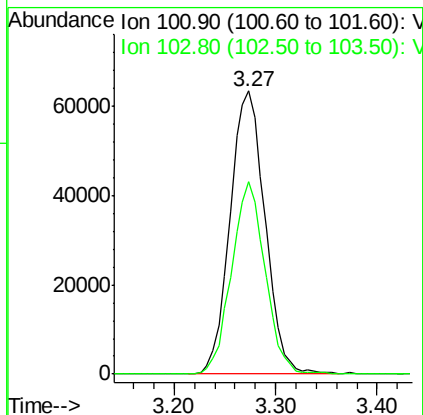
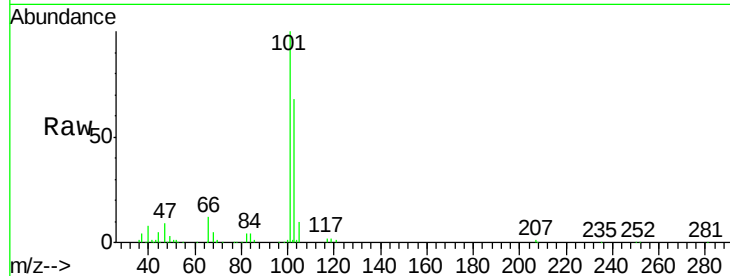
Trichlorofluoromethane
 Concen: 22.278 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

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 VD0214SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.9	51.0	76.6

Manual Integrations
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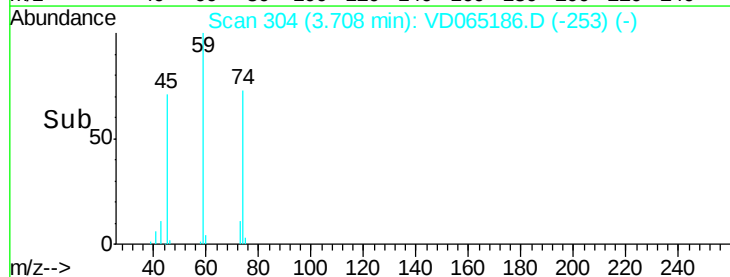
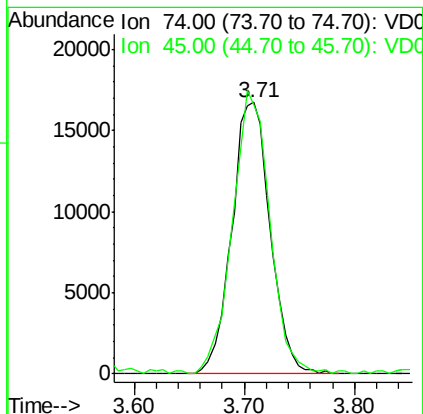
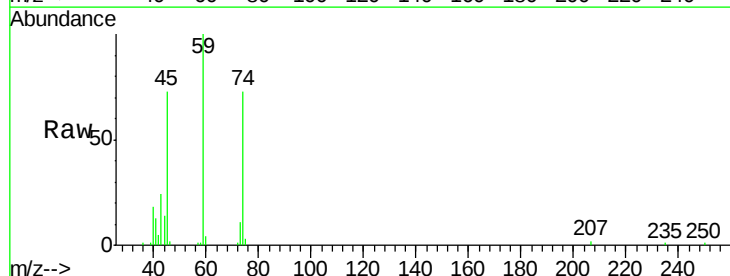
MMDadoda
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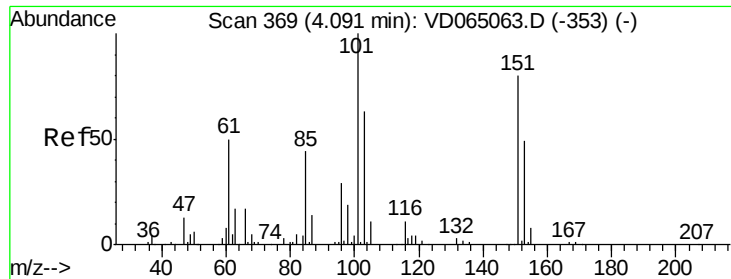


#8

Diethyl Ether
 Concen: 20.938 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.5	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.444 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

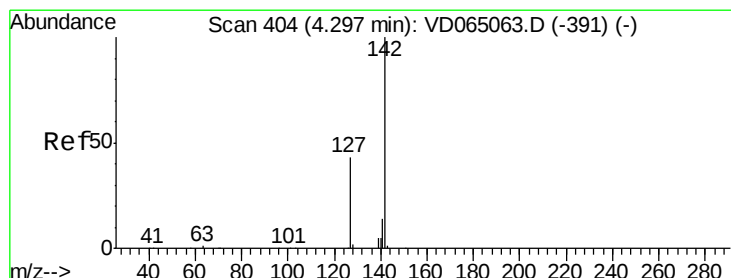
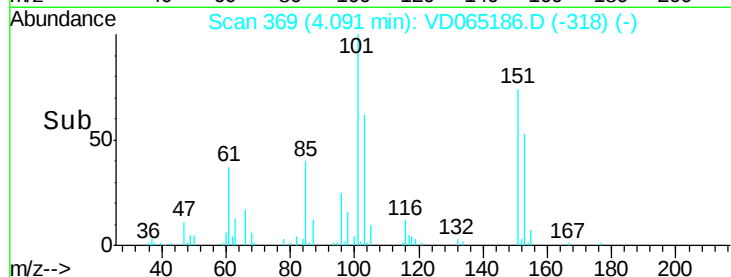
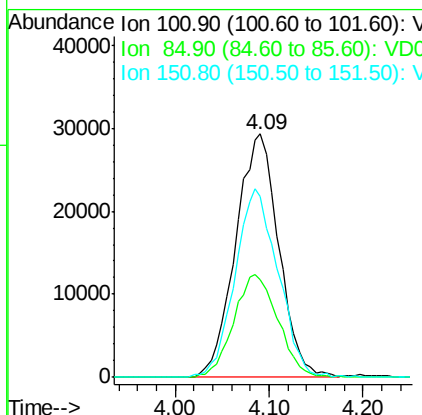
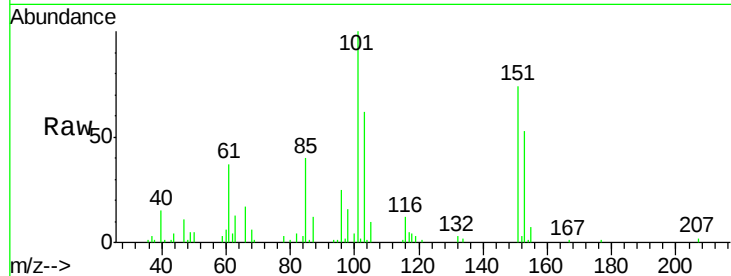
ClientSampleId :

VD0214SBS01

Tot Ion:	101	Resp:	93185
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.0	51.0
151	77.5	64.0	96.0

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#10

Methyl Iodide

Concen: 20.024 ug/l

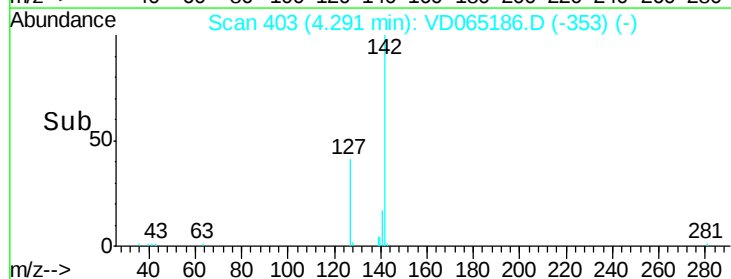
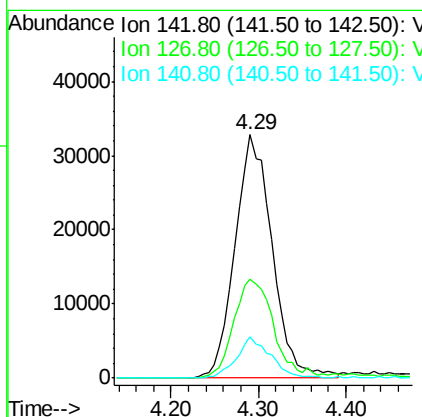
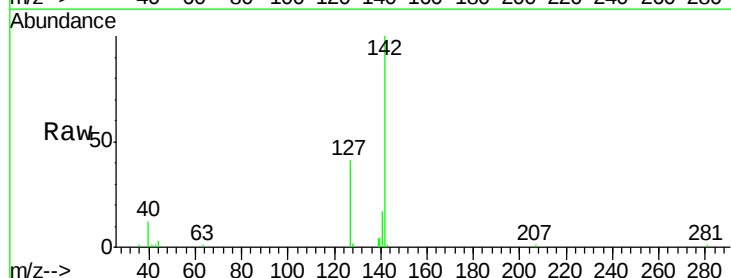
RT: 4.29 min Scan# 403

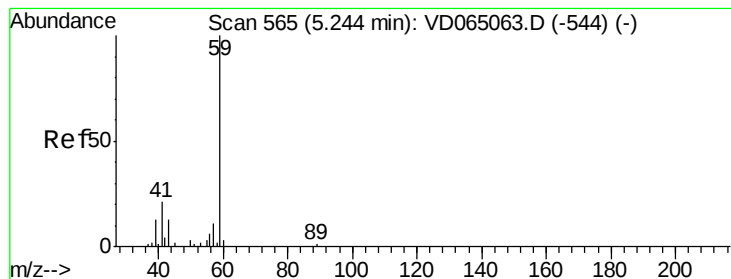
Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Tgt Ion:	142	Resp:	94893
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.0	51.0
141	15.4	11.6	17.4





#11

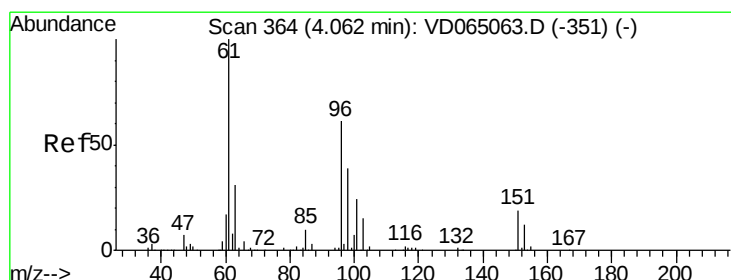
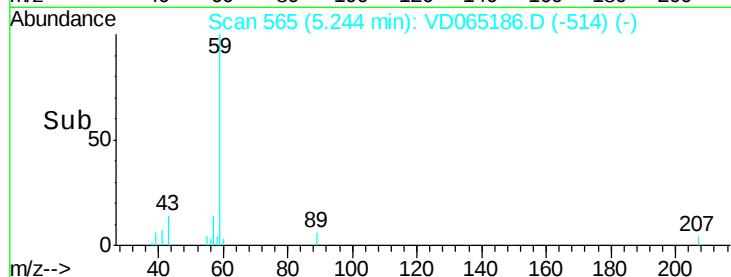
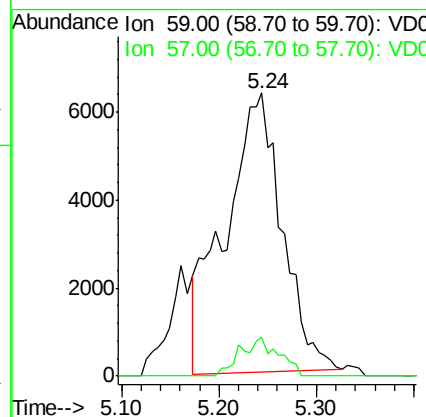
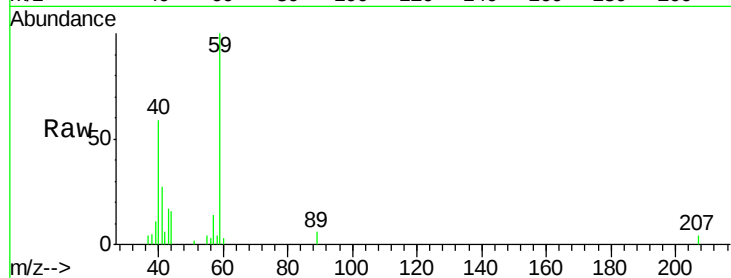
Tert butyl alcohol
Concen: 110.272 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	25795		
57	9.4		8.8	13.2

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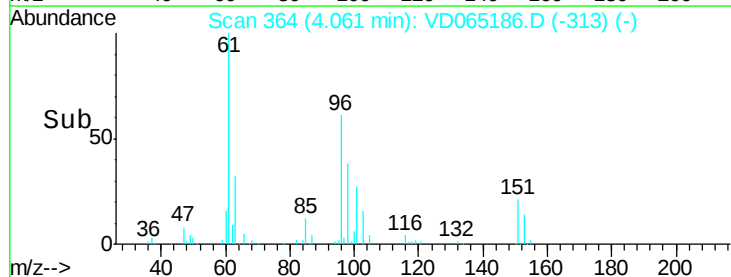
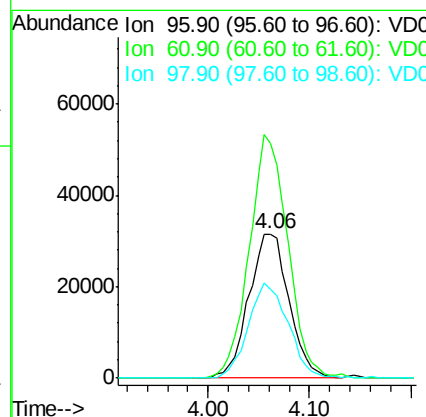
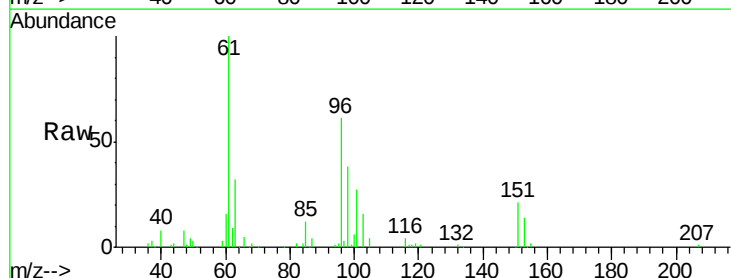
MMDadoda
2/17/2020 10:34:59 AM

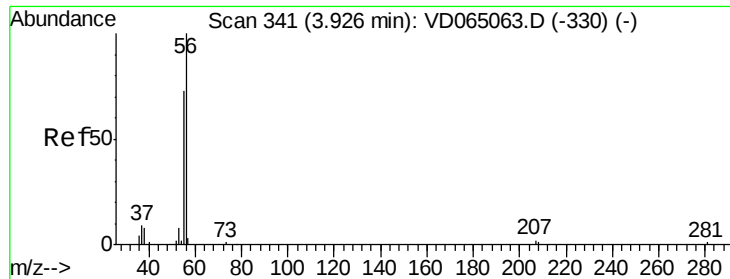


#12

1,1-Dichloroethene
Concen: 21.818 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	86757		
61	163.3		131.4	197.2
98	61.6		51.1	76.7





#13

Acrolein

Concen: 74.049 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

VD0214SBS01

Tot Ion: 56 Resp: 21305

Ion Ratio Lower Upper

56 100

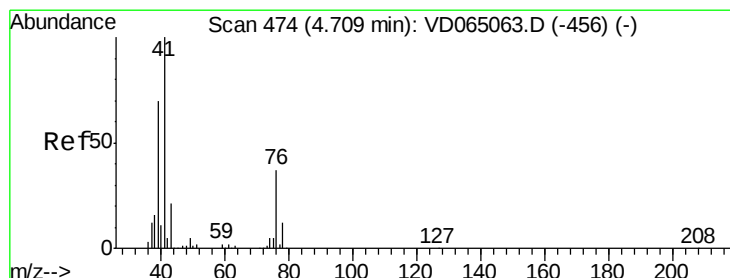
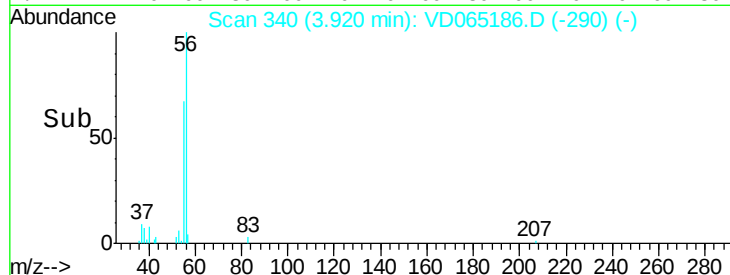
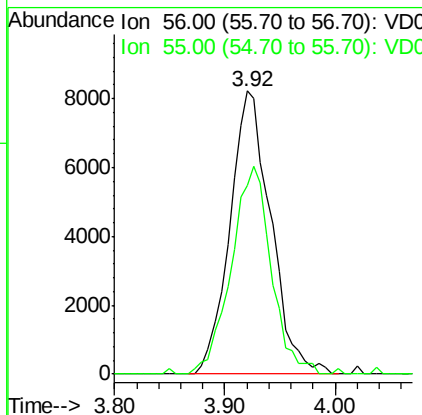
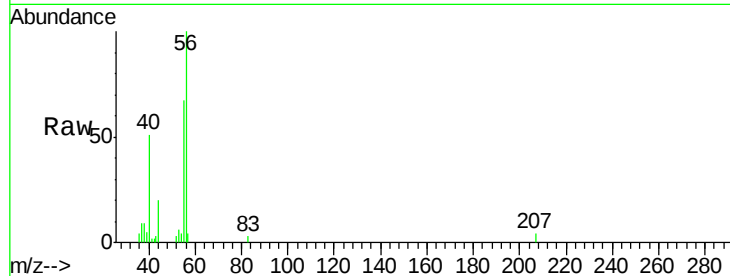
55 71.9 58.2 87.2

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#14

Allyl chloride

Concen: 21.693 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

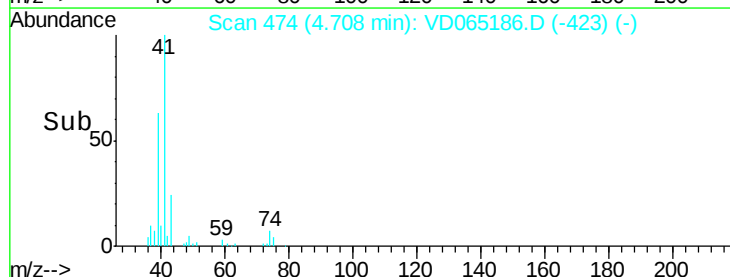
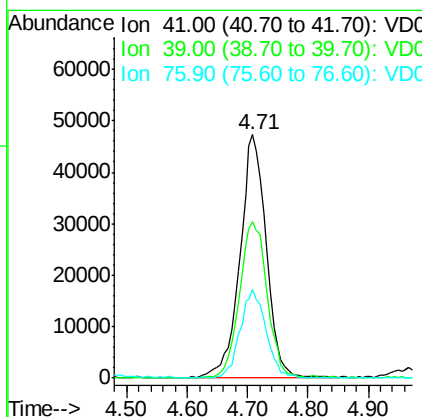
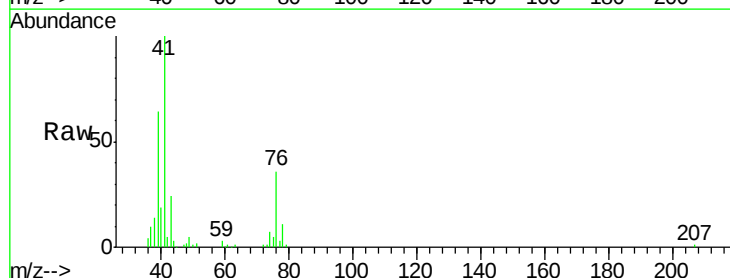
Tgt Ion: 41 Resp: 143359

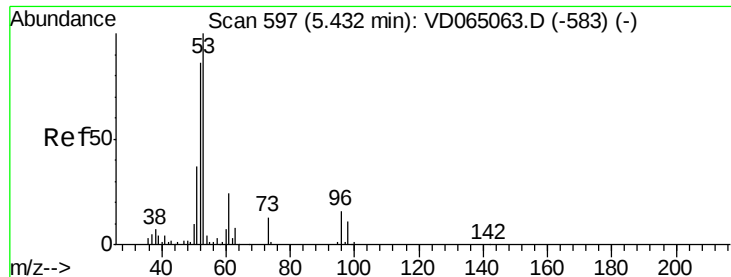
Ion Ratio Lower Upper

41 100

39 67.4 57.1 85.7

76 35.6 28.0 42.0





#15

Acrylonitrile

Concen: 106.047 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

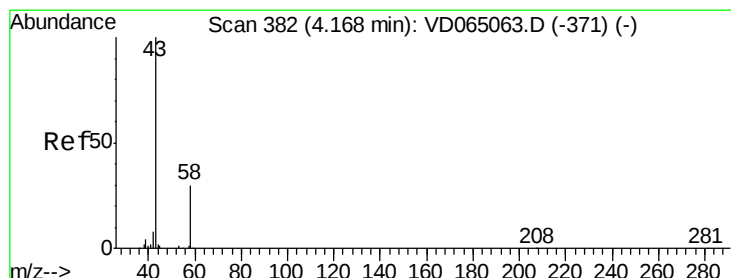
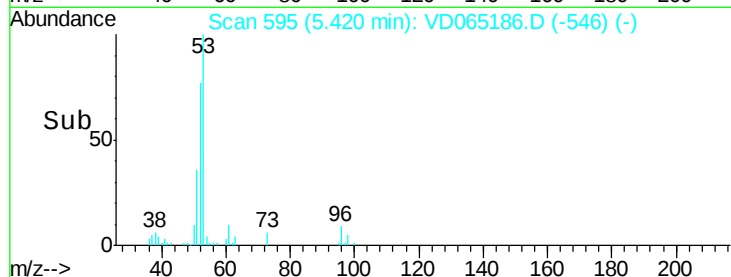
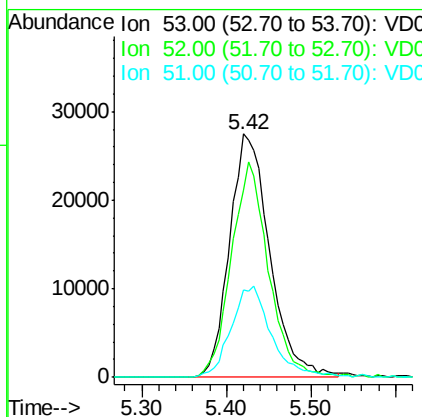
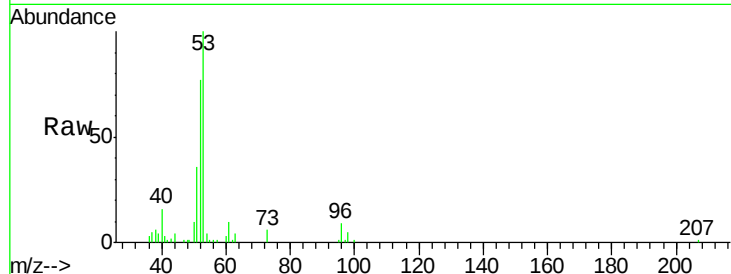
ClientSampleId :

VD0214SBS01

Tot Ion:	53	Resp:	90393
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.2	99.2
51	37.6	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 97.872 ug/l

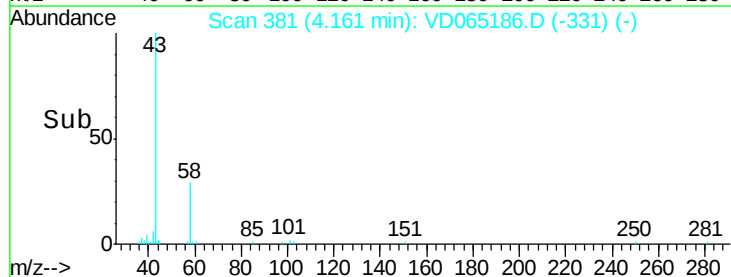
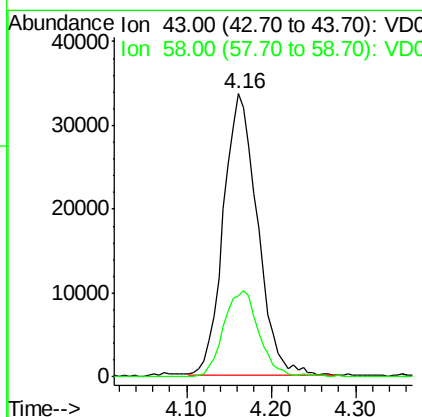
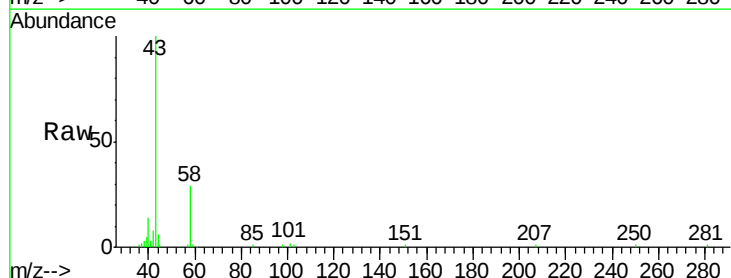
RT: 4.16 min Scan# 381

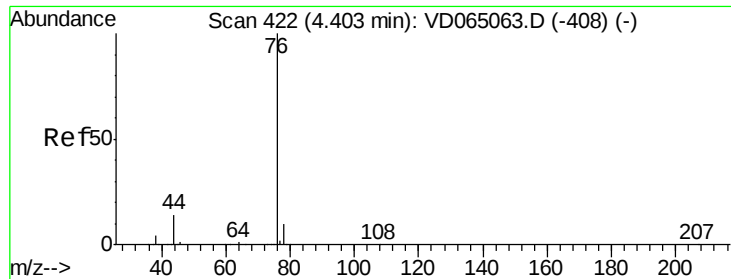
Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Tgt Ion:	43	Resp:	93684
Ion Ratio	Lower	Upper	
43	100		
58	28.8	23.5	35.3





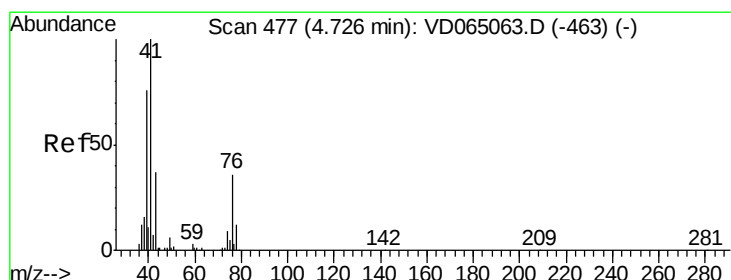
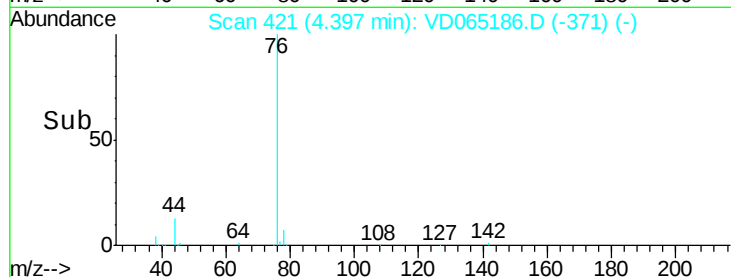
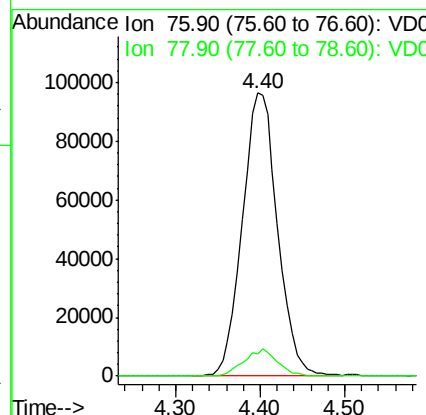
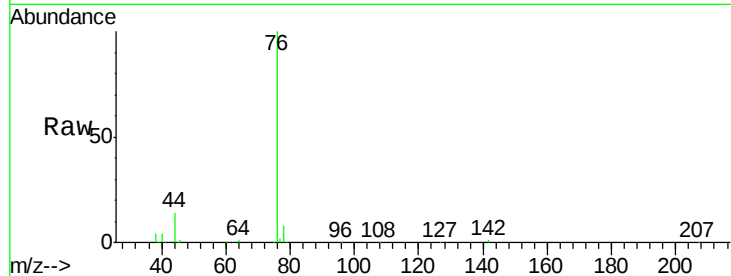
#17
Carbon Disulfide
Concen: 21.755 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.6	11.4

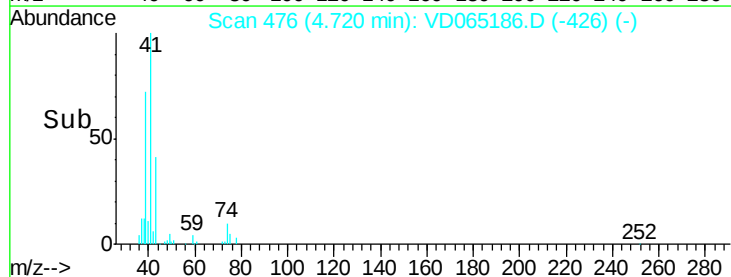
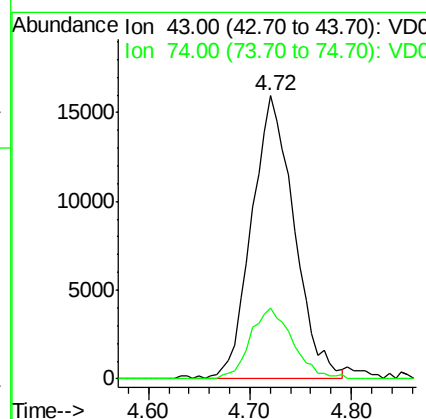
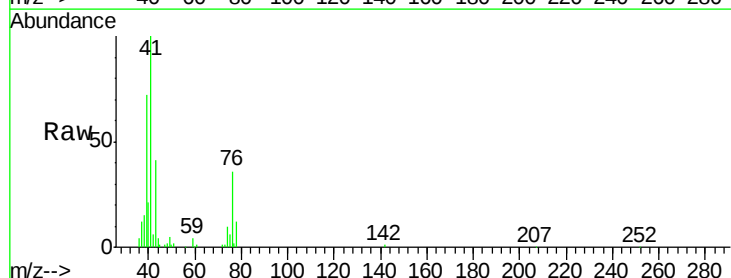
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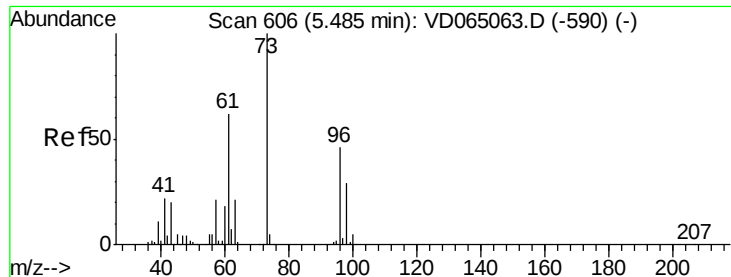
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#18
Methyl Acetate
Concen: 23.287 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	18.7	28.1





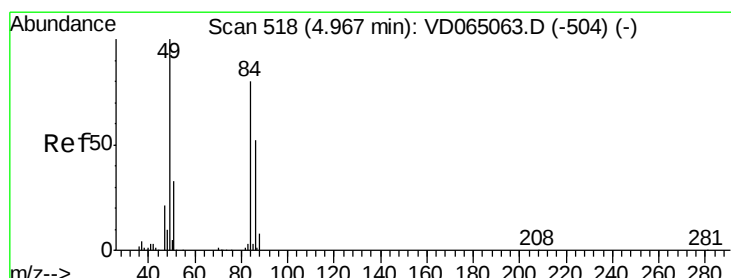
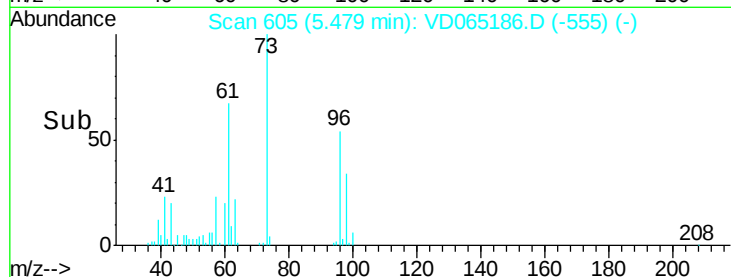
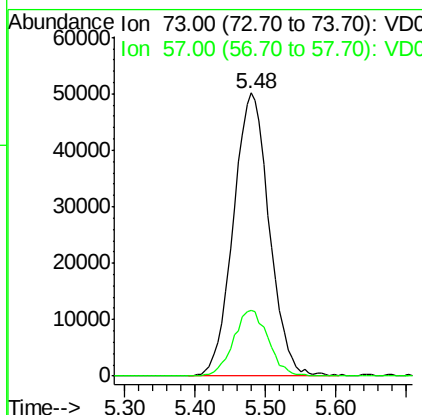
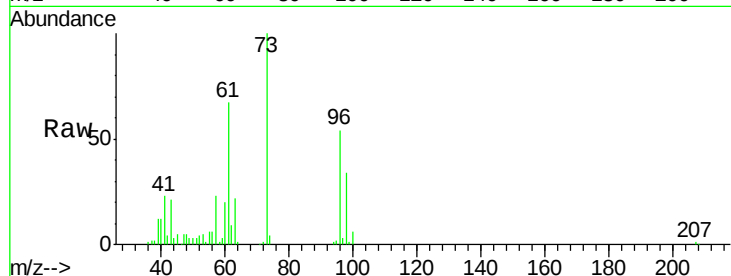
#19
Methyl tert-butyl Ether
Concen: 20.183 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion: 73 Resp: 177471
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2

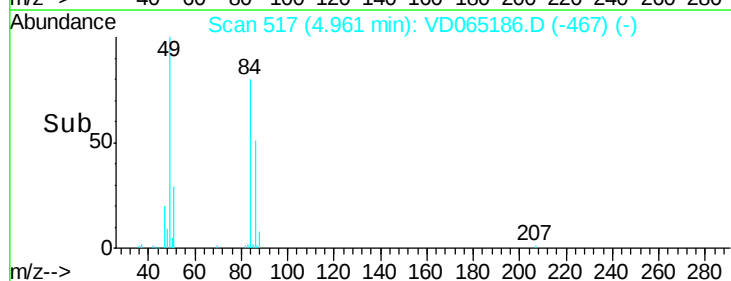
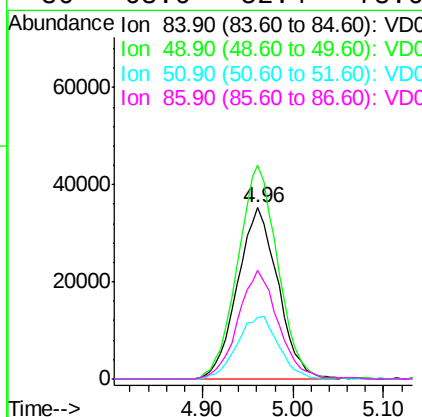
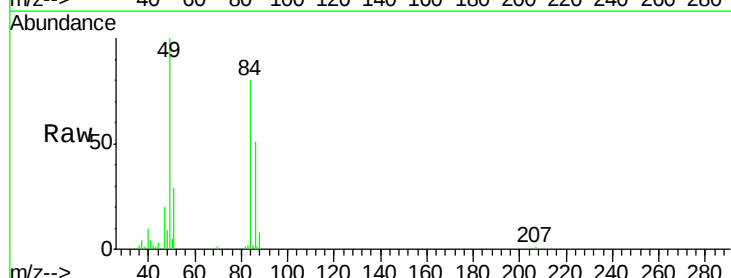
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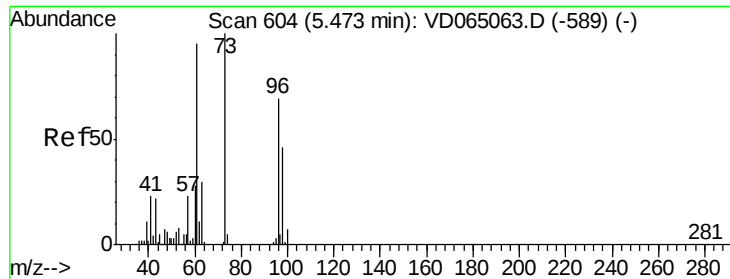
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#20
Methylene Chloride
Concen: 23.968 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion: 84 Resp: 109666
Ion Ratio Lower Upper
84 100
49 124.9 100.4 150.6
51 36.1 32.7 49.1
86 63.6 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 21.850 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

VD0214SBS01

Tot Ion: 96 Resp: 98300

Ion Ratio Lower Upper

96 100

61 137.7 109.5 164.3

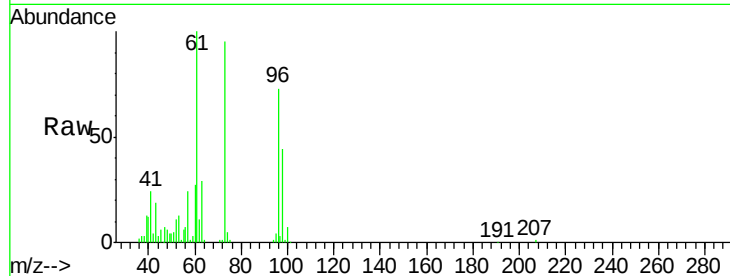
98 60.2 53.7 80.5

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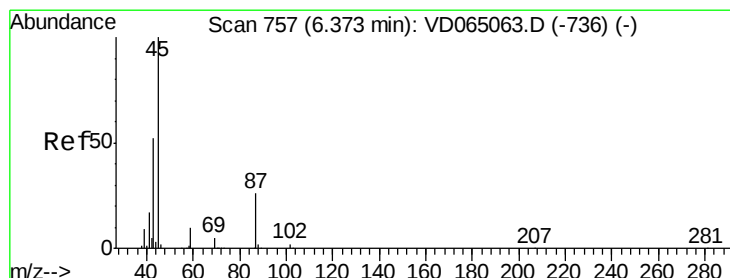
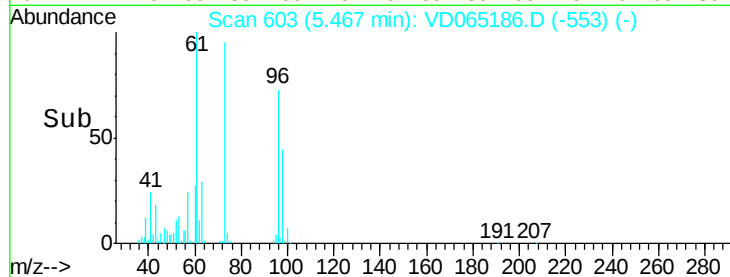
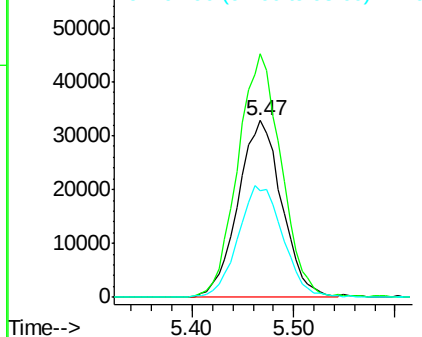


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 22.043 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Tgt Ion: 45 Resp: 274775

Ion Ratio Lower Upper

45 100

43 52.2 41.3 61.9

87 25.6 21.0 31.6

59 10.9 8.2 12.4

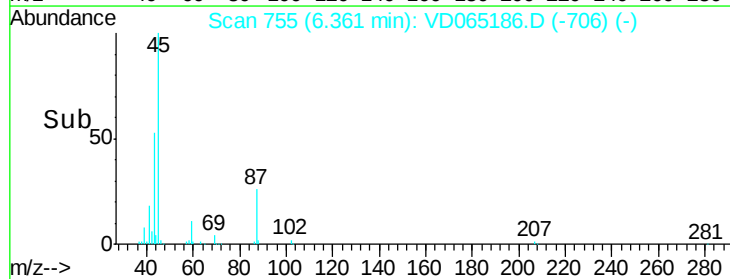
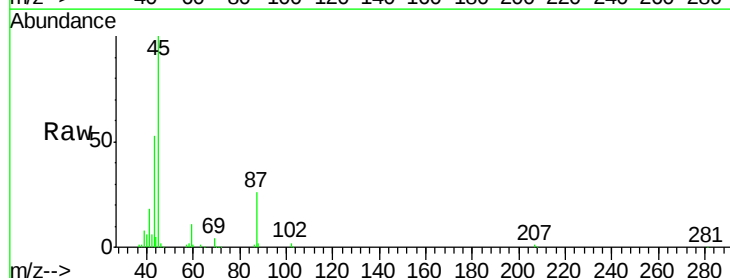
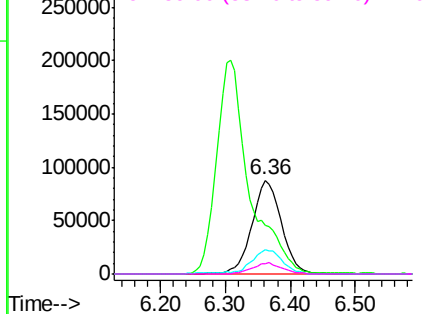
Abundance

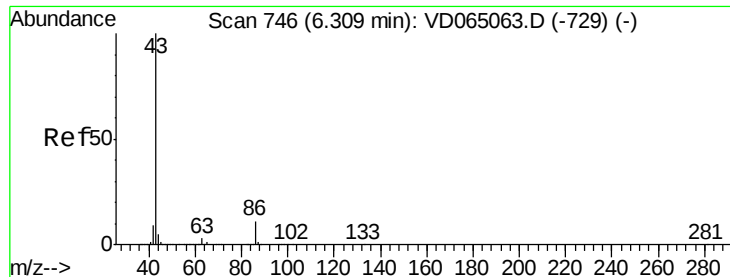
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





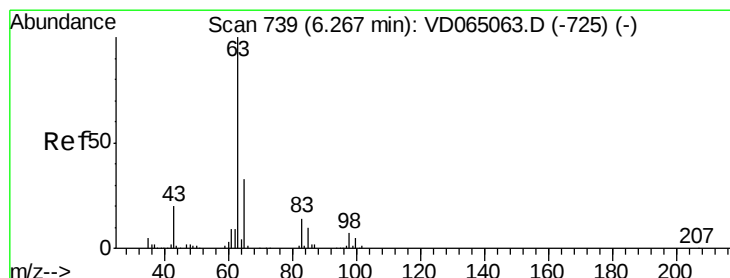
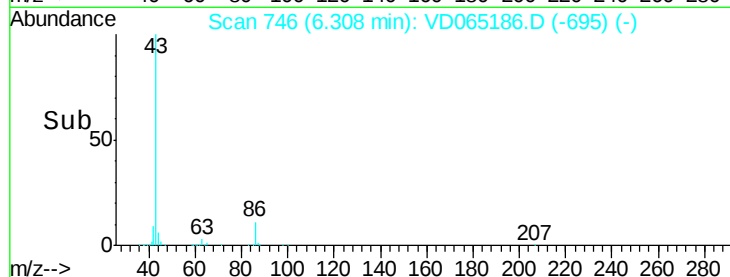
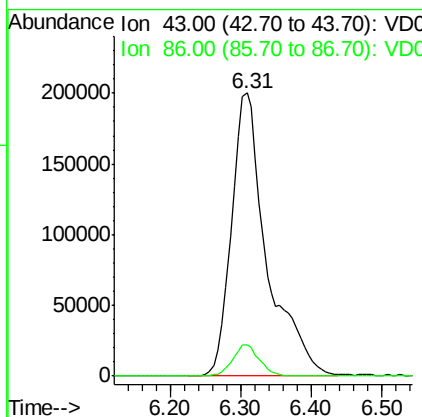
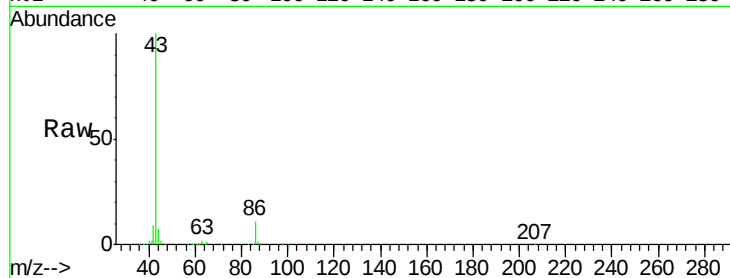
#23
 Vinyl Acetate
 Concen: 100.396 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0214SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.5	12.7

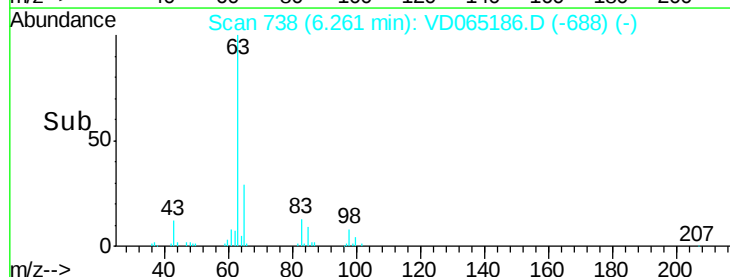
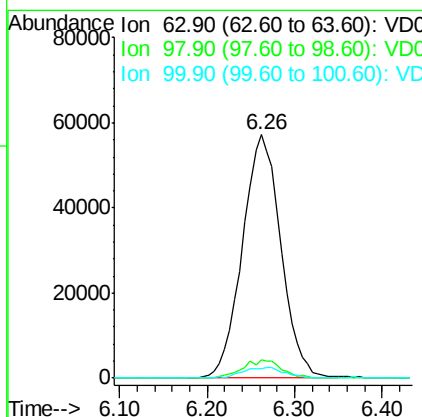
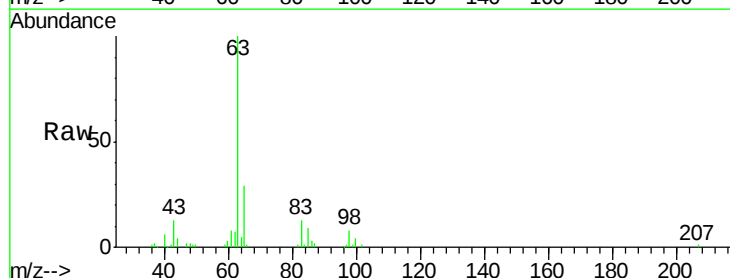
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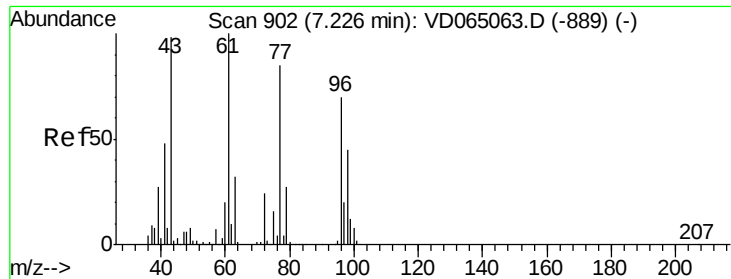
MMDadoda
 2/17/2020 10:34:59 AM



#24
 1,1-Dichloroethane
 Concen: 22.696 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.4
100	3.9	2.5	7.6





#25

2-Butanone

Concen: 98.588 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

VD0214SBS01

Tot Ion: 43 Resp: 112569

Ion Ratio Lower Upper

43 100

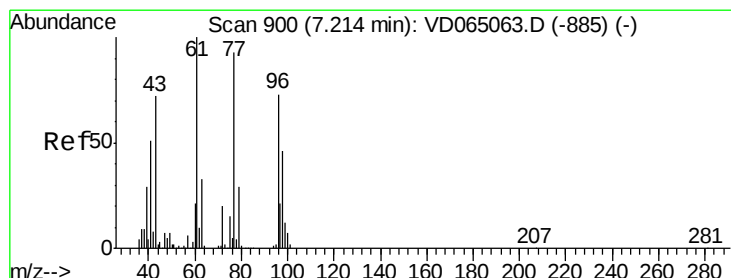
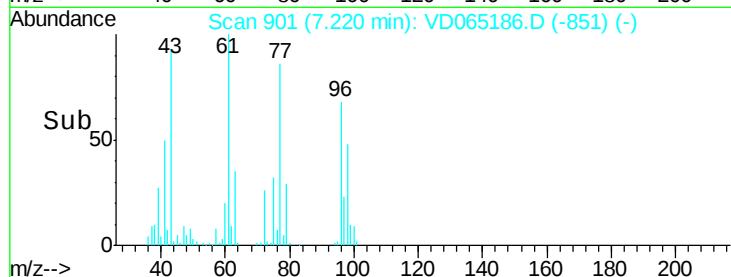
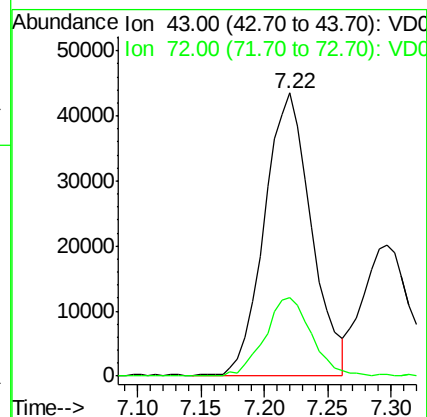
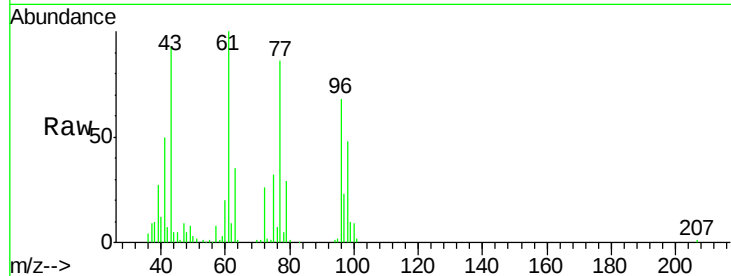
72 27.7 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.646 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065186.D

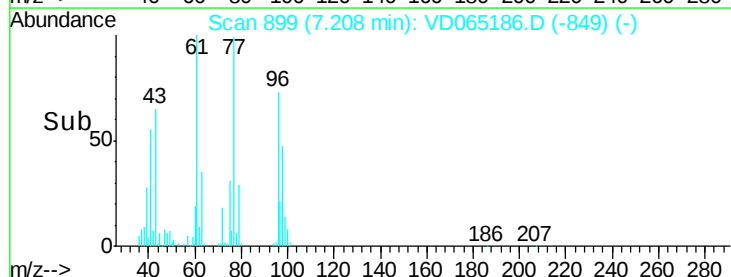
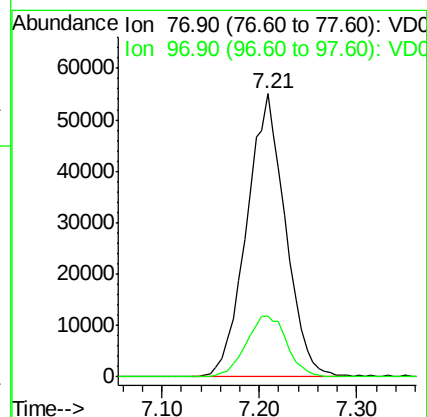
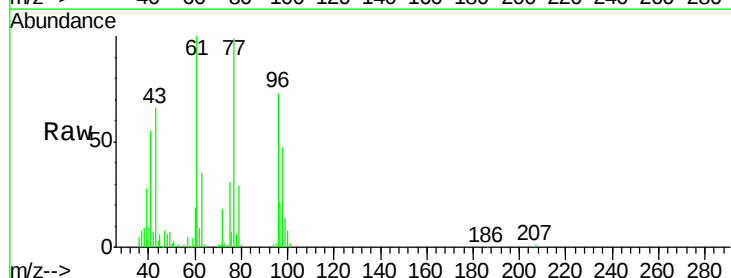
Acq: 14 Feb 2020 14:25

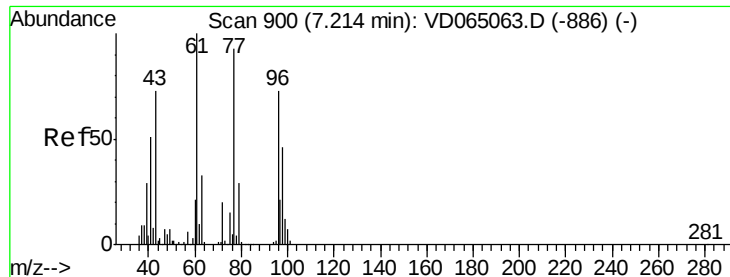
Tgt Ion: 77 Resp: 153154

Ion Ratio Lower Upper

77 100

97 22.8 10.9 32.6





#27

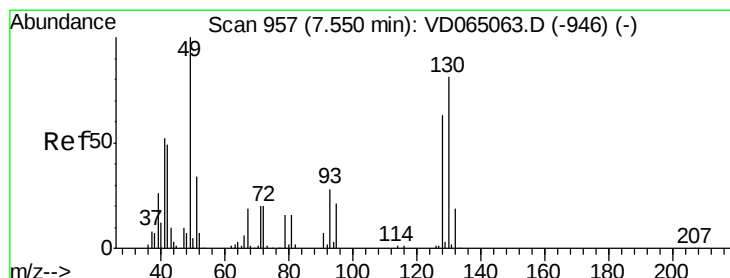
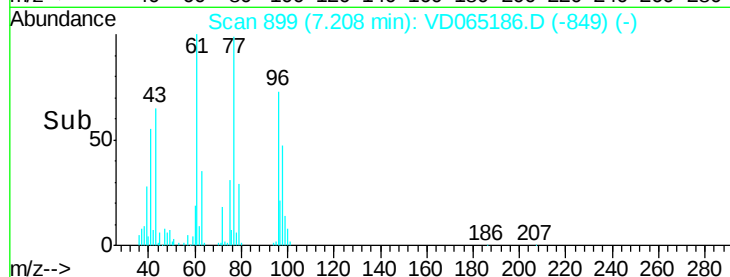
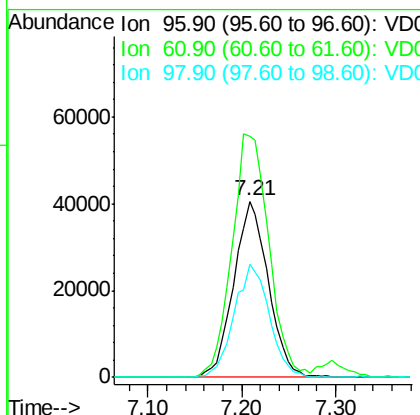
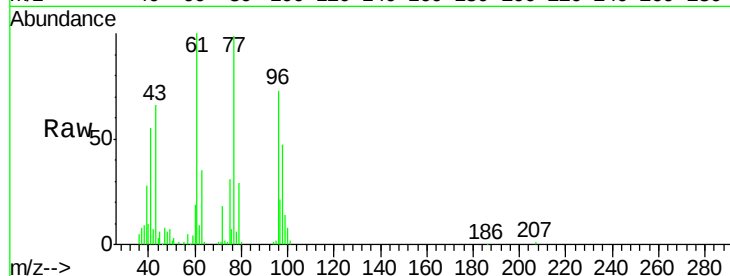
cis-1,2-Dichloroethene
Concen: 21.661 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.6	0.0	292.8	
98	65.0	0.0	128.8	

Manual Integrations
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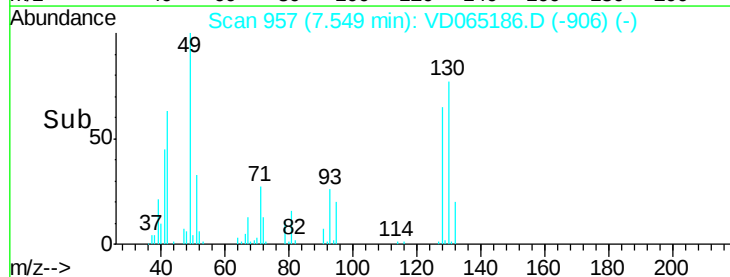
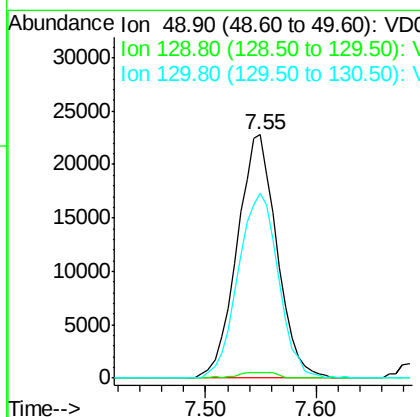
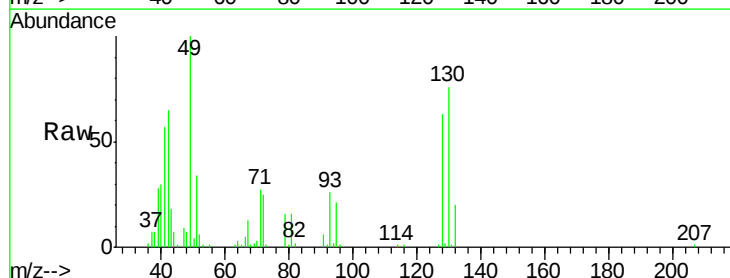
MMDadoda
2/17/2020 10:34:59 AM

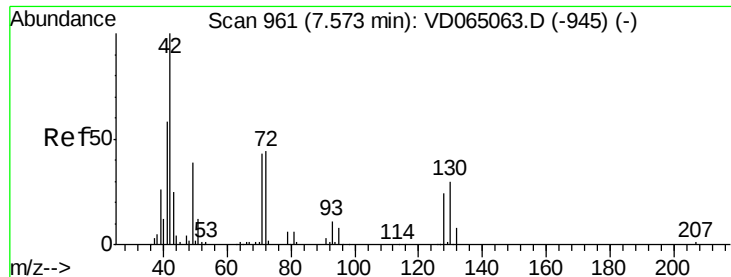


#28

Bromochloromethane
Concen: 20.145 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.4	
130	76.9	63.8	95.8	





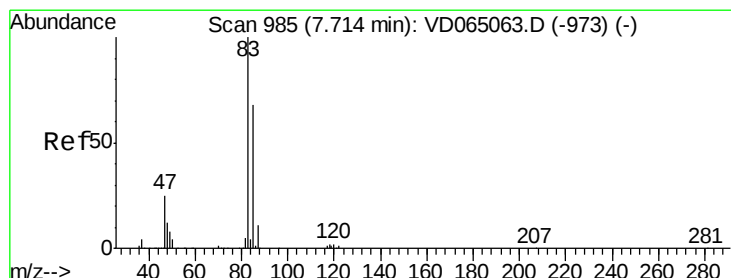
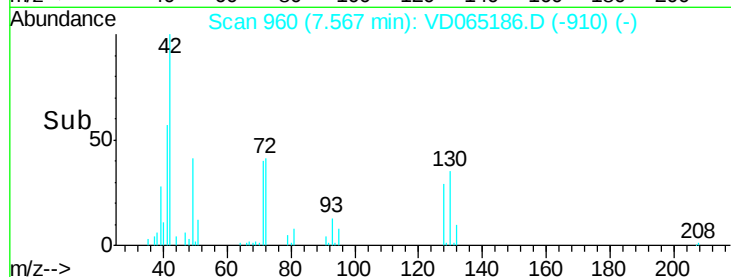
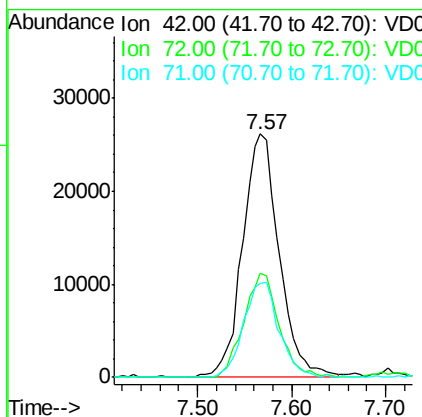
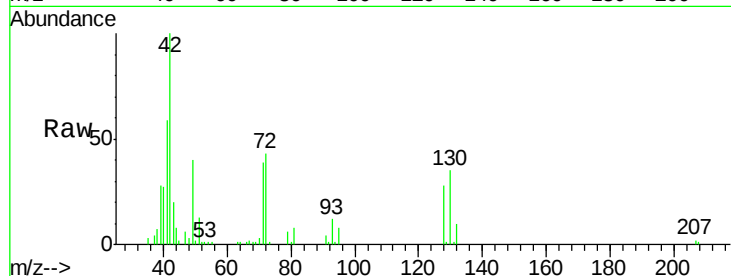
#29
Tetrahydrofuran
Concen: 102.342 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.2	51.4
71	37.8	31.8	47.6

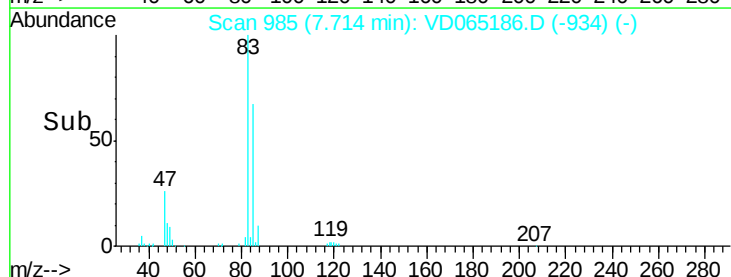
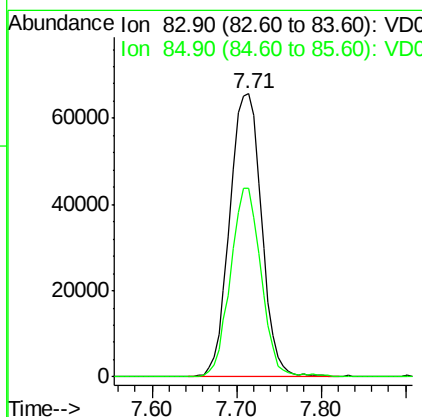
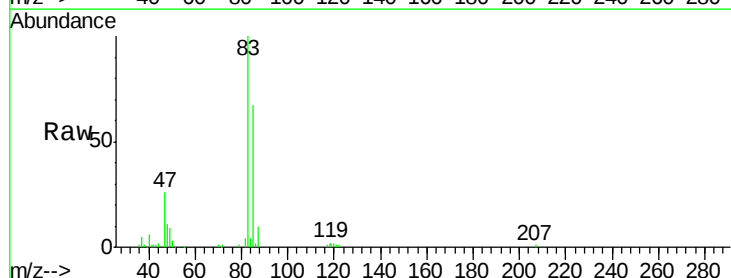
Manual Integrations
APPROVED

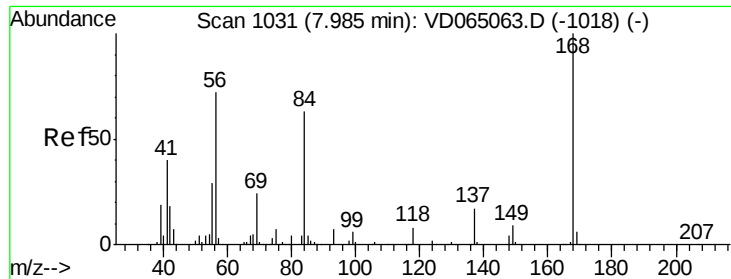
MMDadoda
2/17/2020 10:34:59 AM



#30
Chloroform
Concen: 22.818 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	54.2	81.4





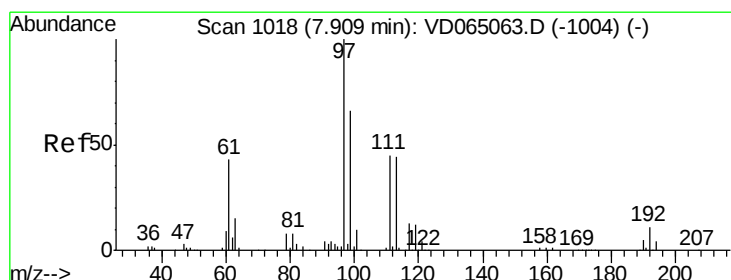
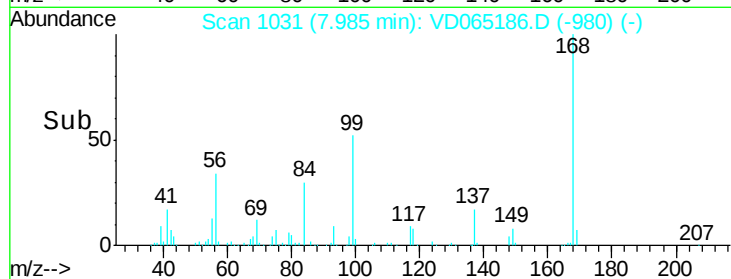
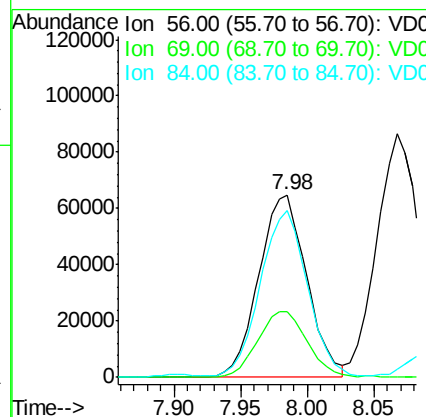
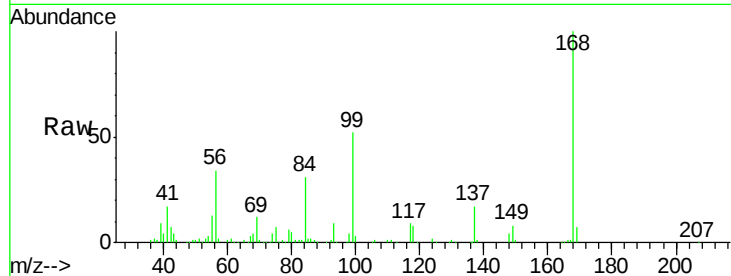
#31
Cyclohexane
Concen: 21.169 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	161232		
69	36.2	26.6	40.0	
84	90.0	70.6	106.0	

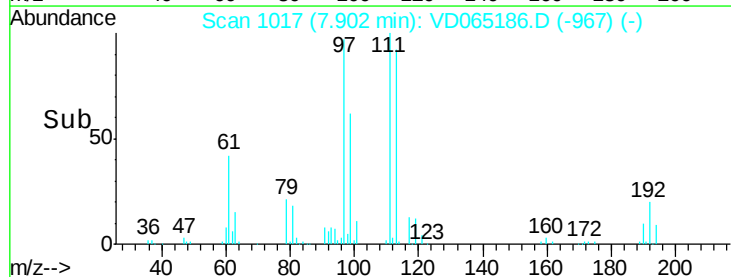
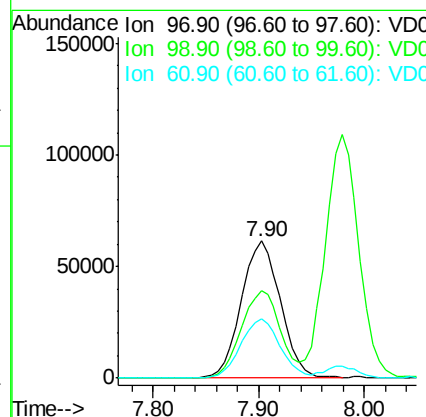
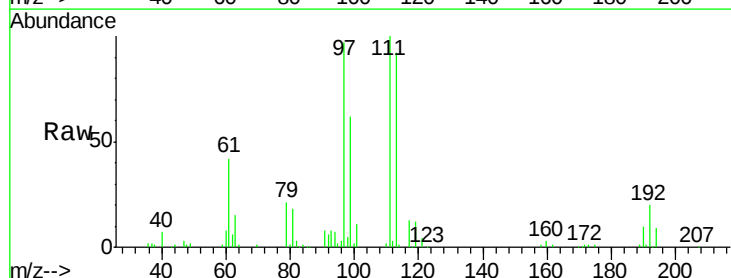
Manual Integrations
APPROVED

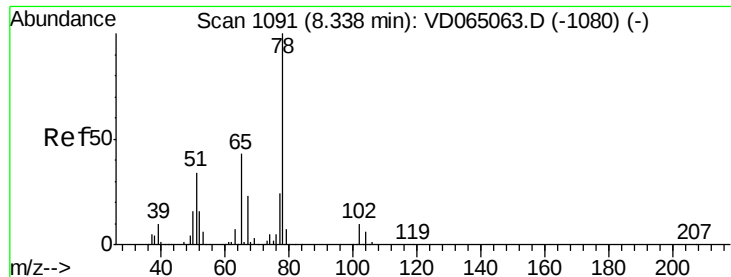
MMDadoda
2/17/2020 10:34:59 AM



#32
1,1,1-Trichloroethane
Concen: 22.559 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	157870		
99	63.8	51.5	77.3	
61	43.3	34.8	52.2	





#33

1,2-Dichloroethane-d4

Concen: 55.041 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

VD0214SBS01

Tot Ion: 65 Resp: 210727

Ion Ratio Lower Upper

65 100

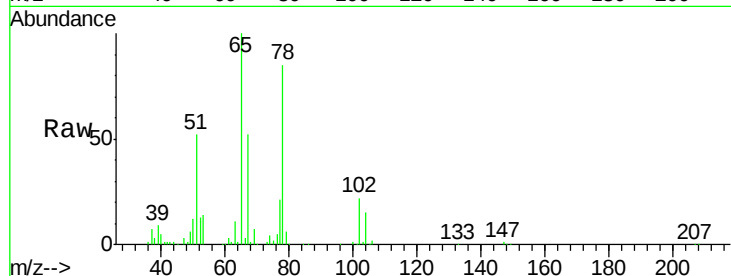
67 53.1 0.0 105.8

Manual Integrations

APPROVED

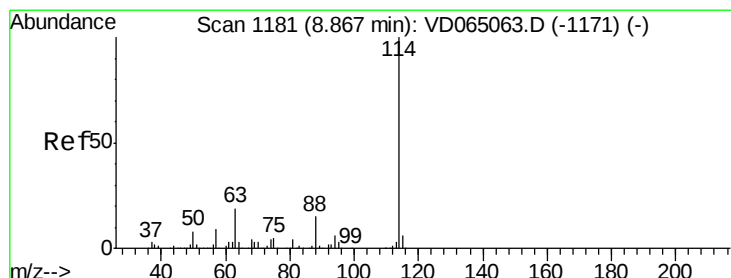
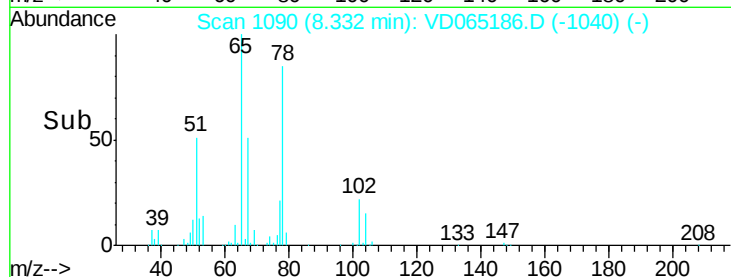
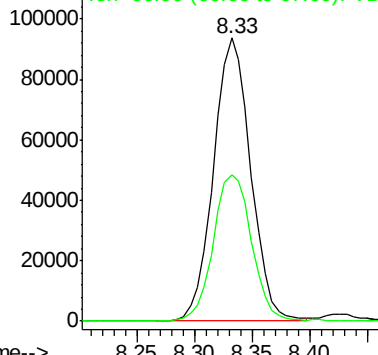
MMDadoda

2/17/2020 10:34:59 AM



Abundance Ion 64.90 (64.60 to 65.60): VD0

Ion 66.90 (66.60 to 67.60): VD0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

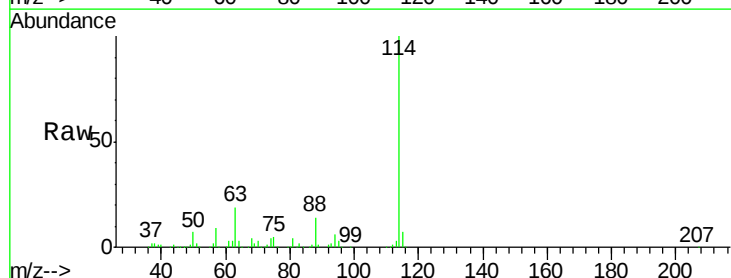
Tgt Ion: 114 Resp: 678064

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.8

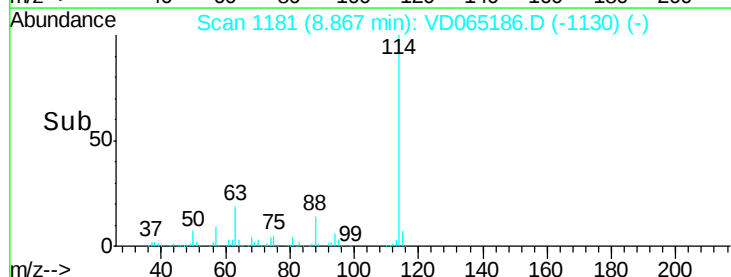
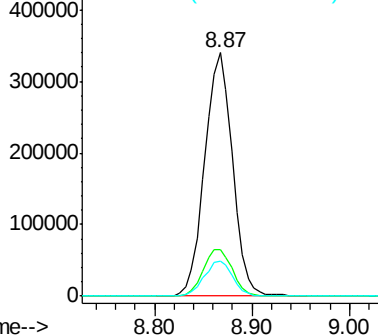
88 14.2 0.0 29.6

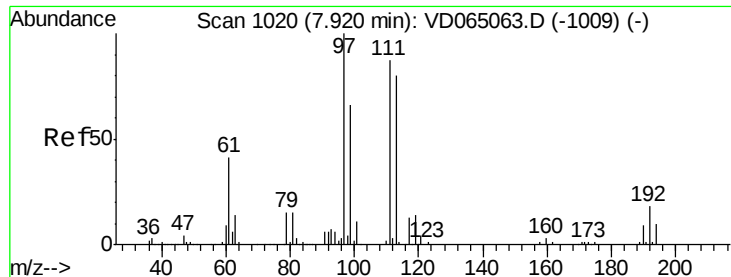


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VD0

Ion 87.90 (87.60 to 88.60): VD0





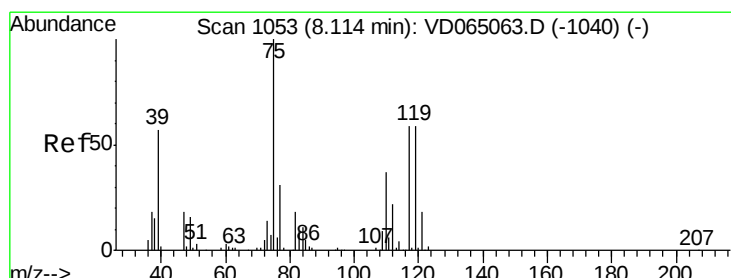
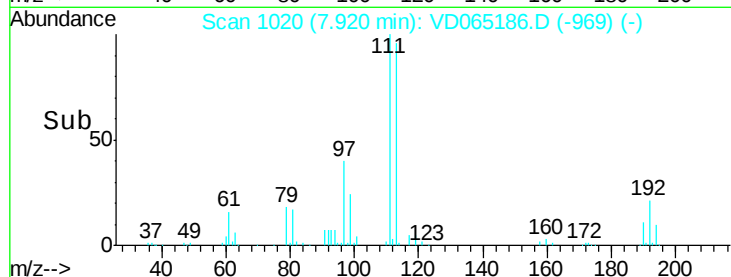
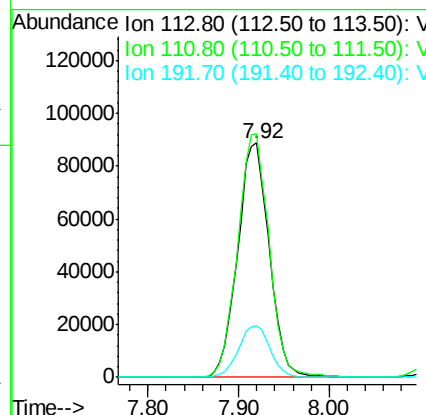
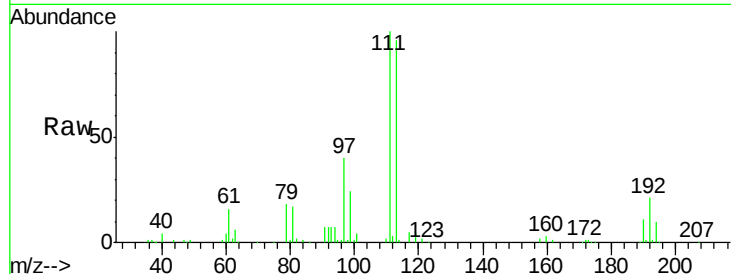
#35
 Dibromofluoromethane
 Concen: 56.892 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0214SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	215233		
111	103.4	83.1	124.7	
192	22.1	18.1	27.1	

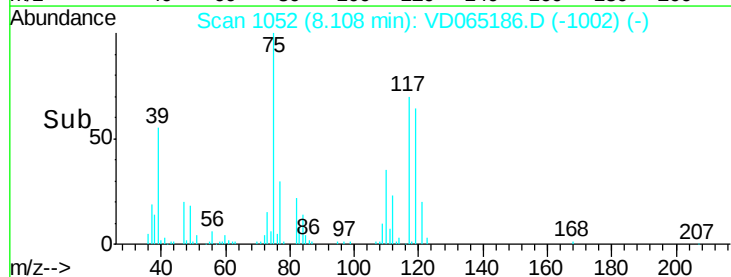
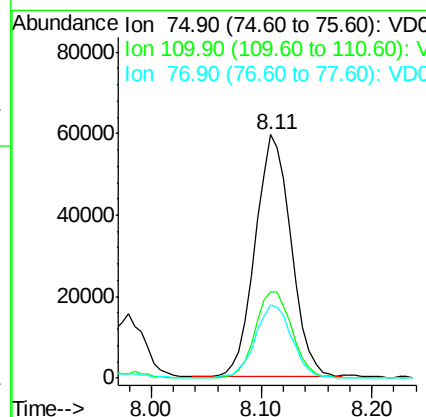
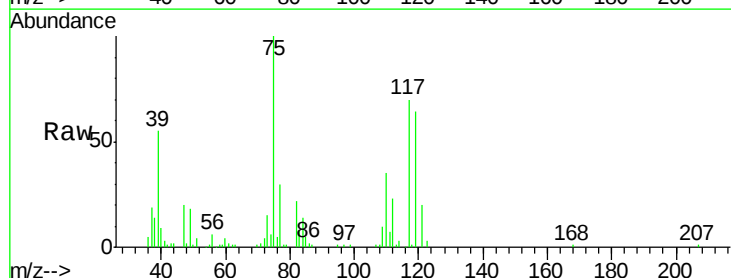
Manual Integrations
 APPROVED

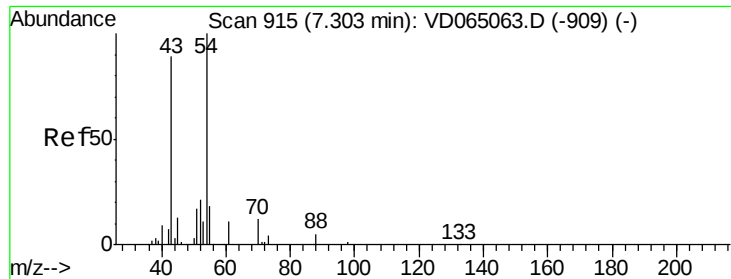
MMDadoda
 2/17/2020 10:34:59 AM



#36
 1,1-Dichloropropene
 Concen: 21.599 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	136181		
110	36.8	18.1	54.3	
77	31.1	24.7	37.1	





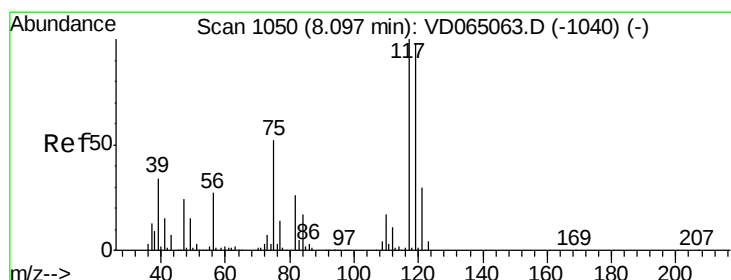
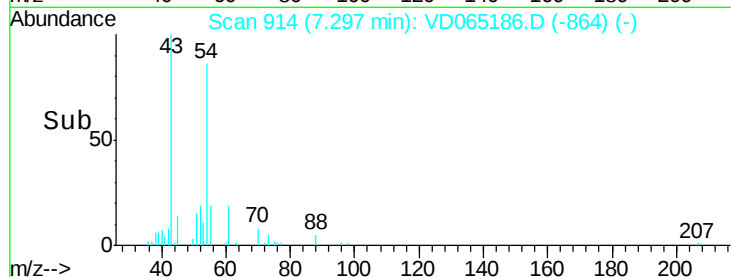
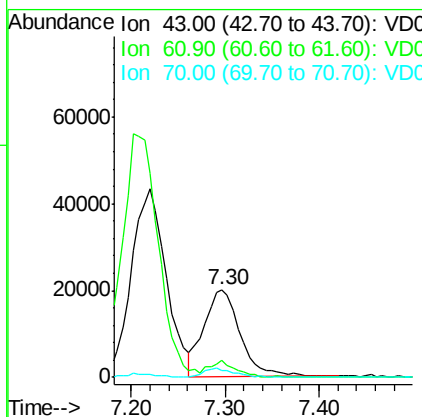
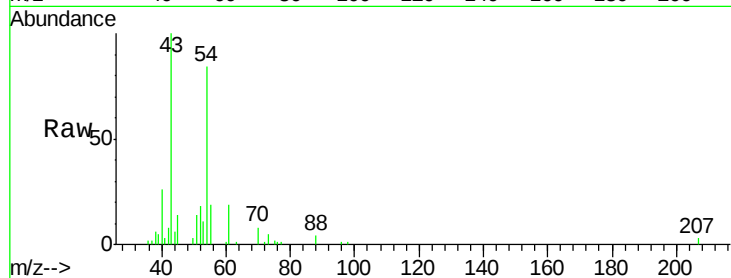
#37
Ethyl Acetate
Concen: 21.013 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.0	16.4
70	9.1	8.2	12.2

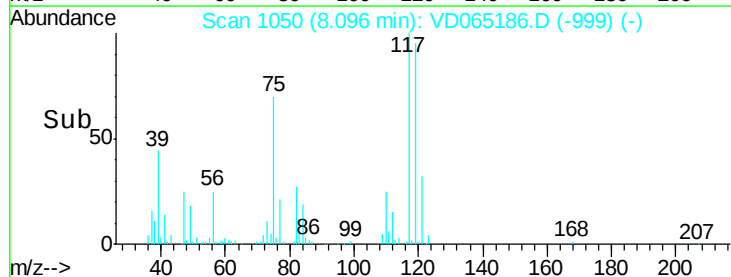
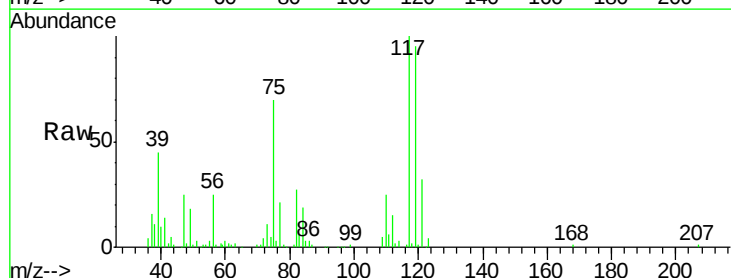
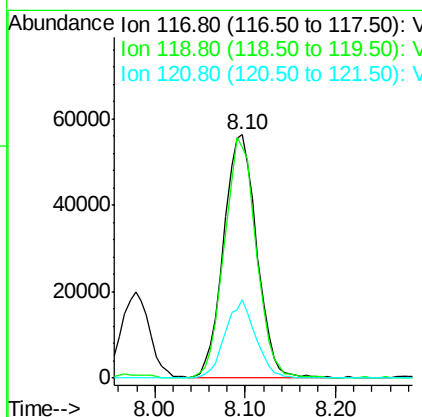
Manual Integrations
APPROVED

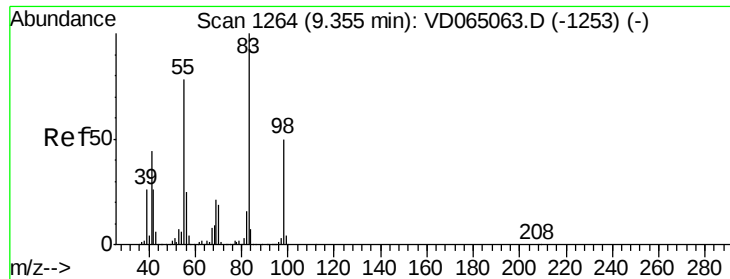
MMDadoda
2/17/2020 10:34:59 AM



#38
Carbon Tetrachloride
Concen: 22.285 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	78.5	117.7
121	32.1	23.8	35.6





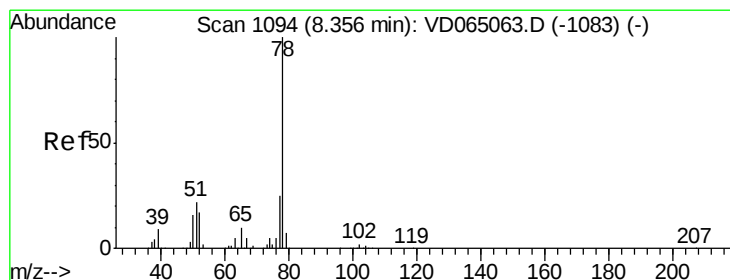
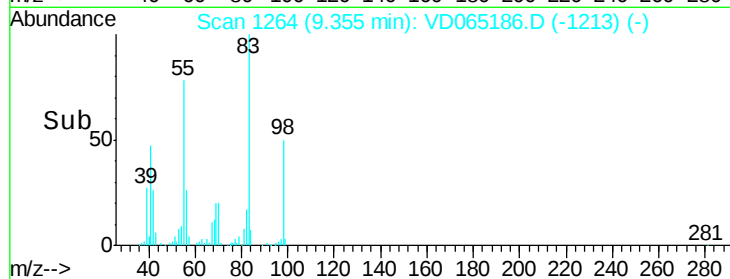
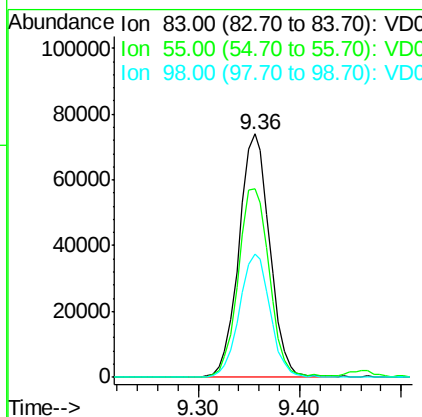
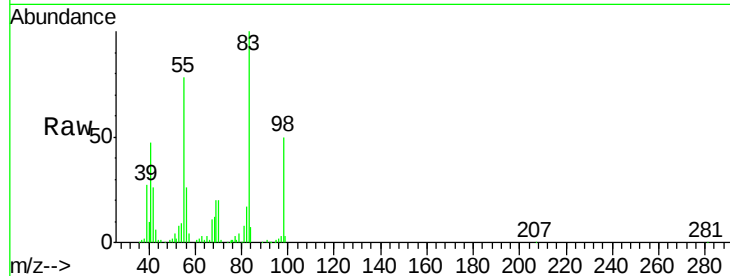
#39
Methvlcvclohexane
Concen: 20.043 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	62.0	93.0
98	50.4	39.9	59.9

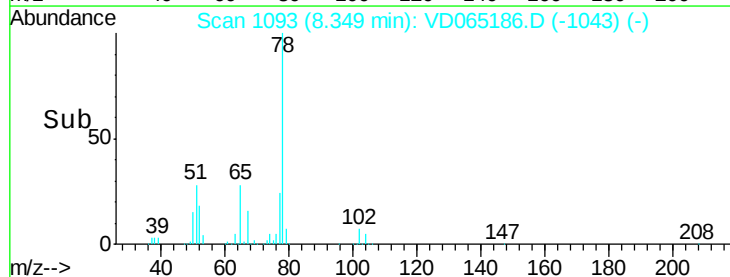
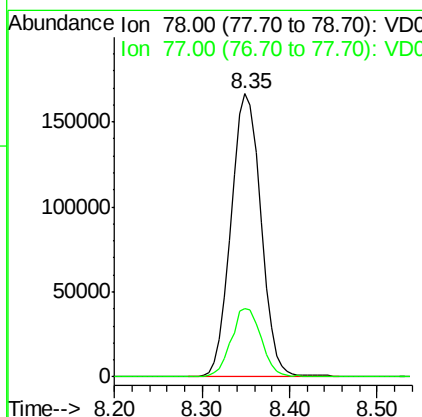
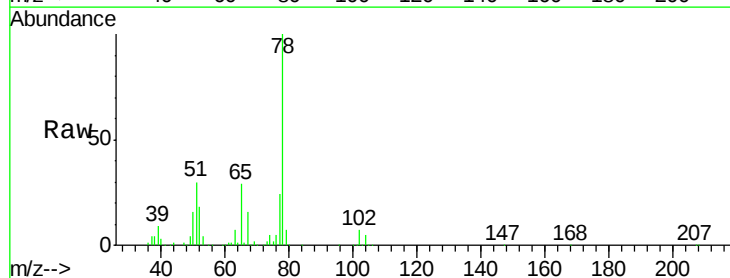
Manual Integrations
APPROVED

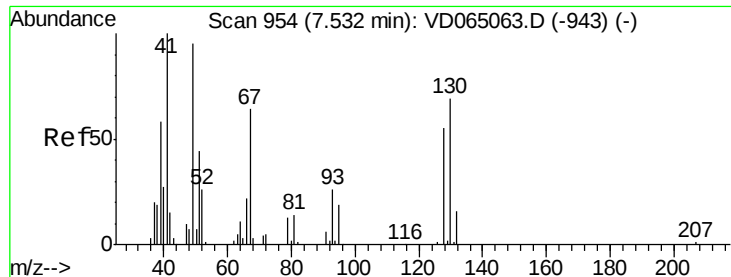
MMDadoda
2/17/2020 10:34:59 AM



#40
Benzene
Concen: 22.260 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.6	29.4





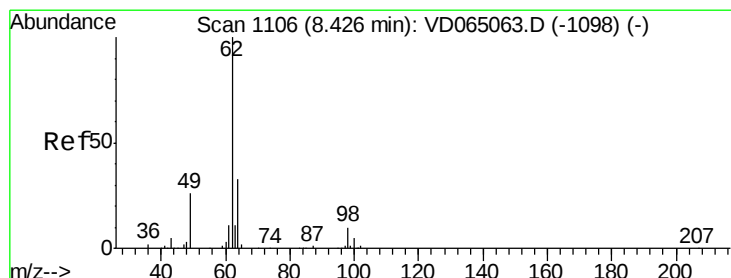
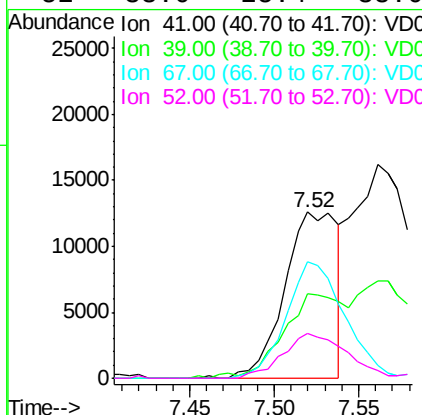
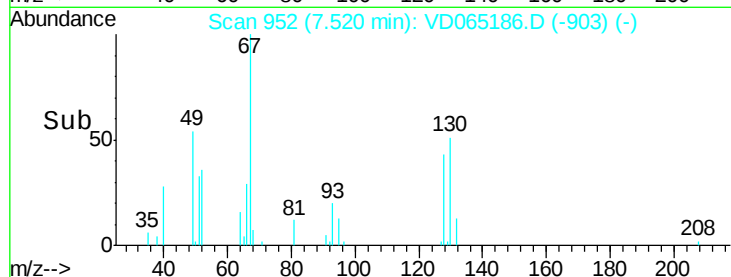
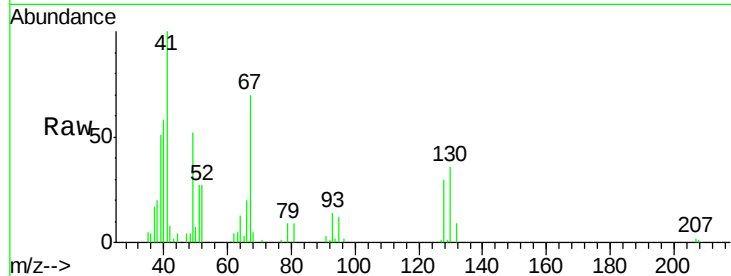
#41
Methacrylonitrile
Concen: 19.363 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion:	41	Resp:	27477
Ion	Ratio	Lower	Upper
41	100		
39	59.1	55.4	83.0
67	77.4	59.0	88.6
52	33.0	25.4	38.0

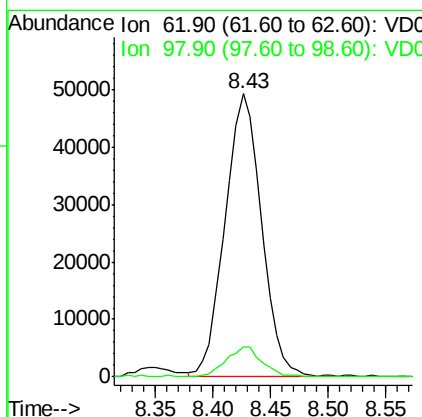
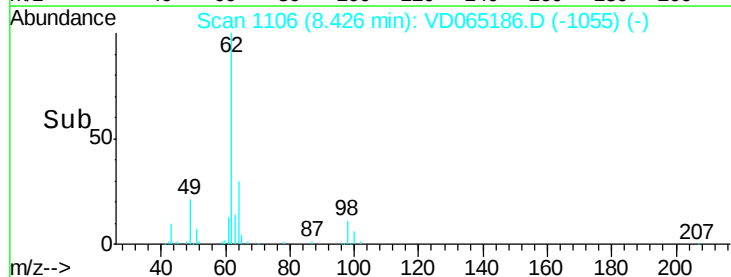
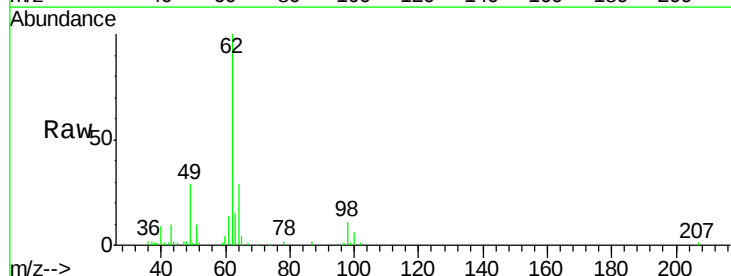
Manual Integrations
APPROVED

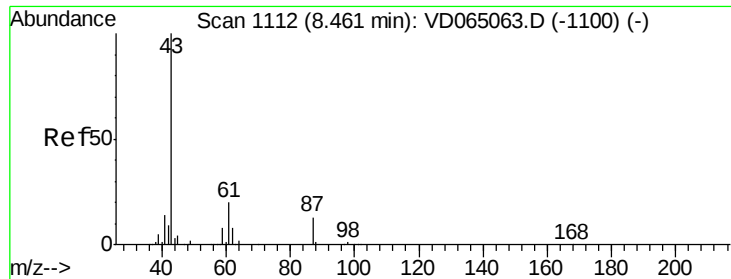
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.667 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion:	62	Resp:	107490
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	18.6





#43

Isopropyl Acetate

Concen: 19.883 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

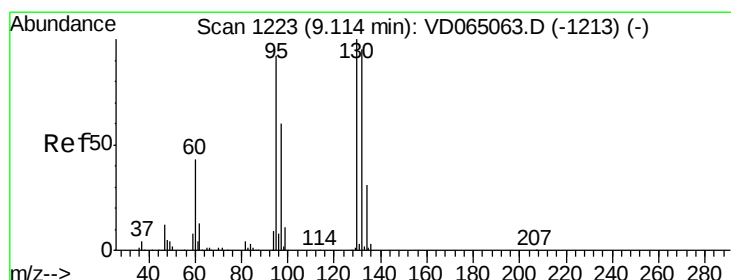
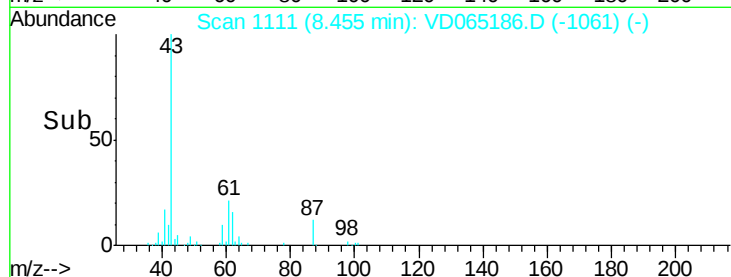
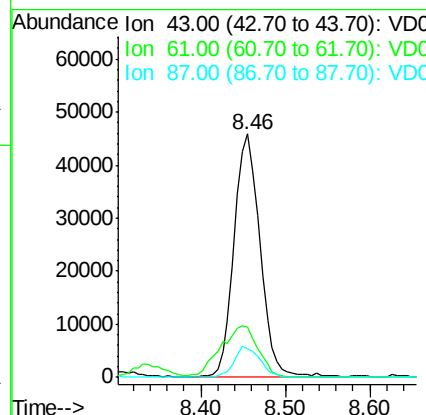
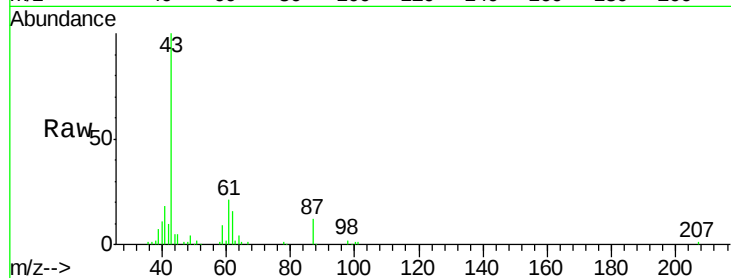
ClientSampleId :

VD0214SBS01

Tot Ion:	43	Resp:	97968
Ion	Ratio	Lower	Upper
43	100		
61	31.2	24.0	36.0
87	12.3	10.2	15.4

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#44

Trichloroethene

Concen: 21.507 ug/l

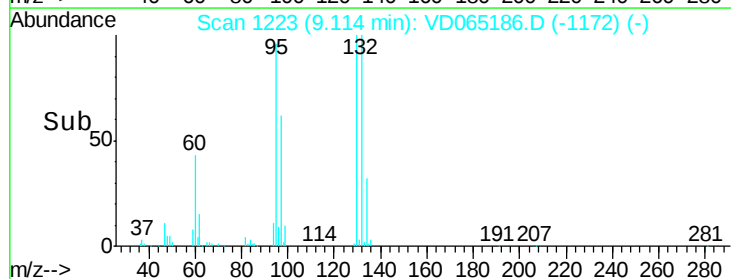
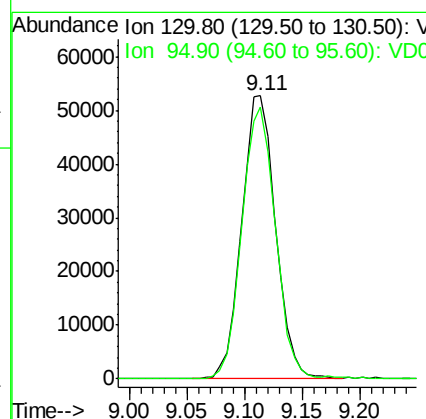
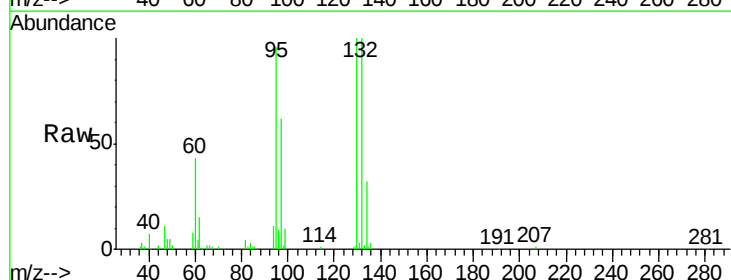
RT: 9.11 min Scan# 1223

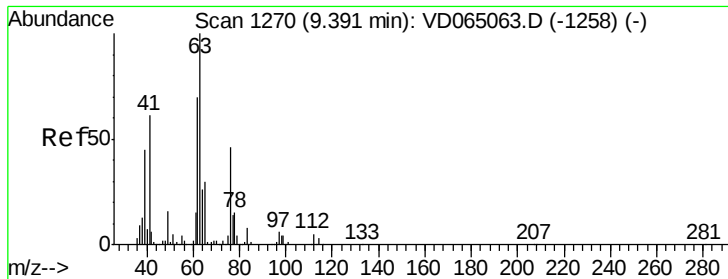
Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Tgt Ion:	130	Resp:	107485
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	185.0





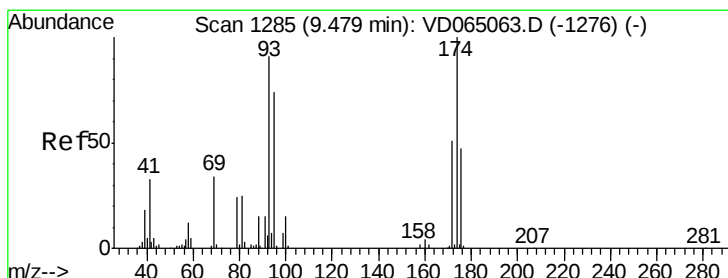
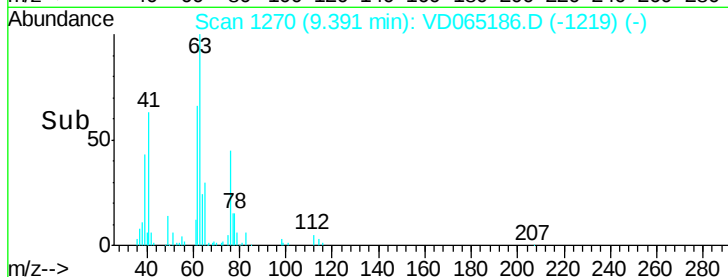
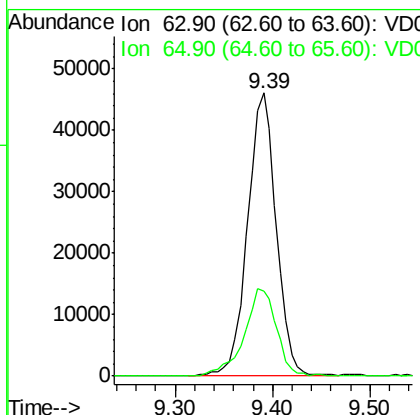
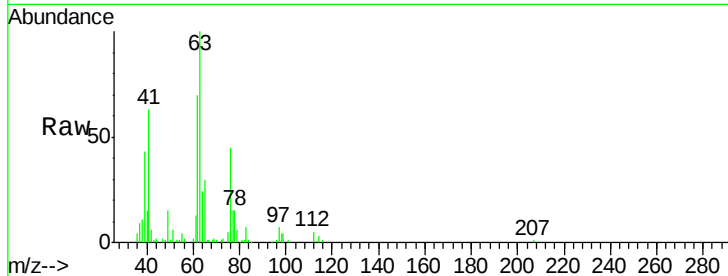
#45
 1,2-Dichloropropane
 Concen: 22.797 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0214SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	23.9	35.9

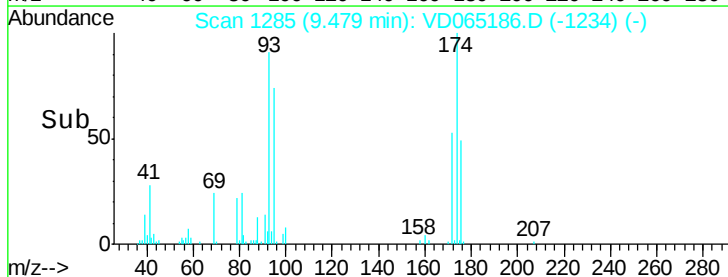
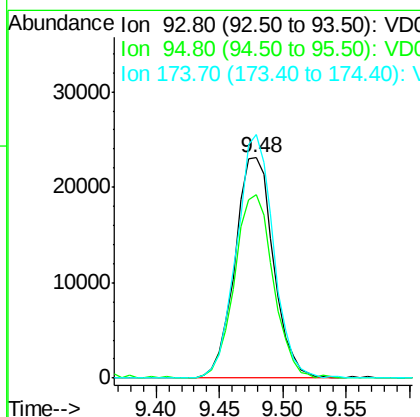
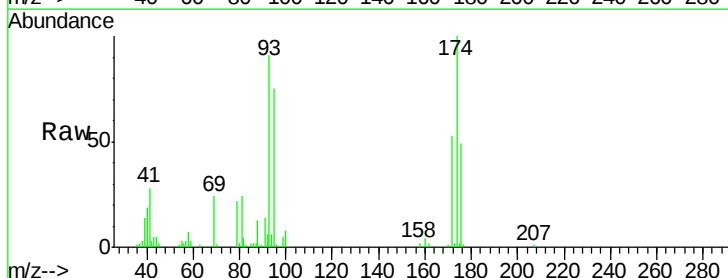
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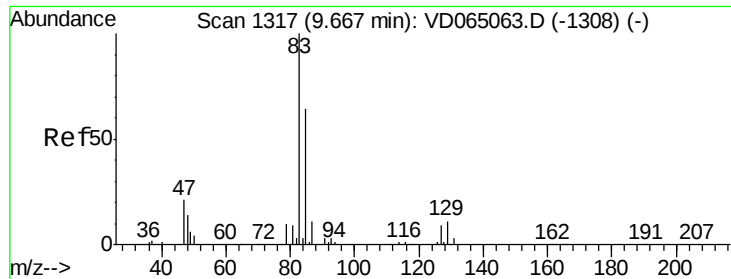
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#46
 Dibromomethane
 Concen: 22.200 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.5	99.7
174	105.5	89.8	134.8





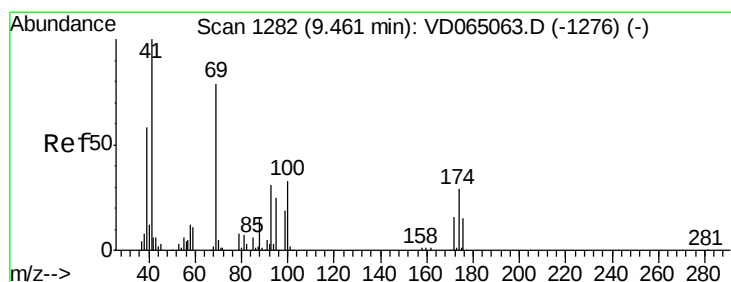
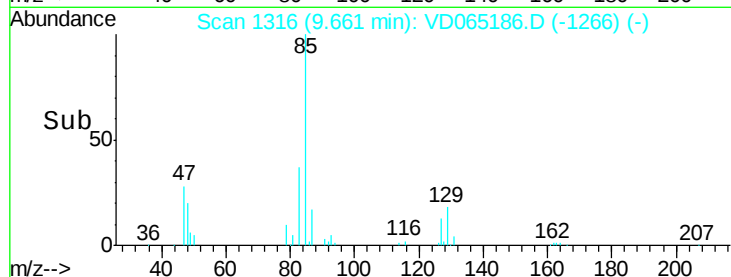
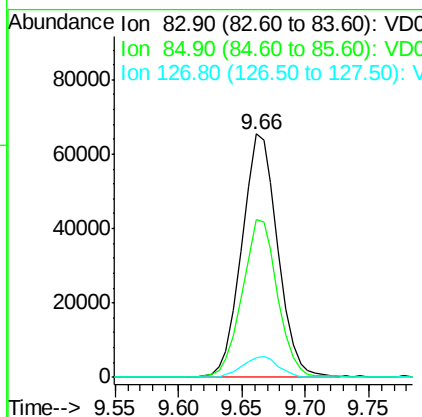
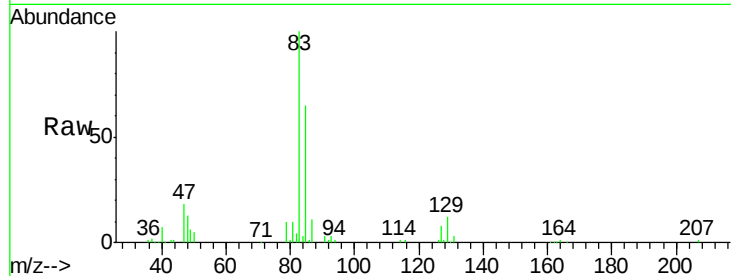
#47
Bromodichloromethane
Concen: 22.307 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	128932		
85	65.0	51.0	76.6	
127	8.3	7.3	10.9	

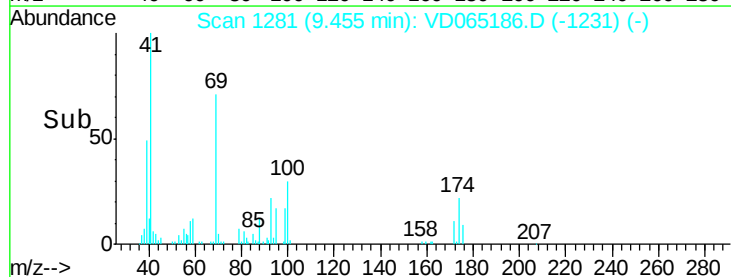
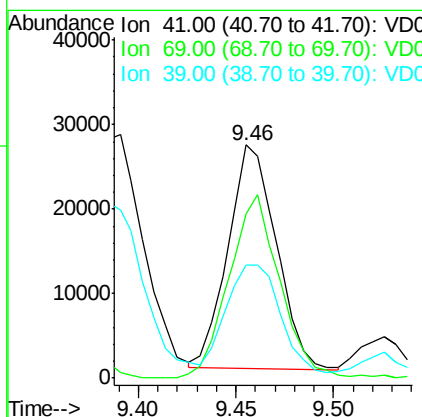
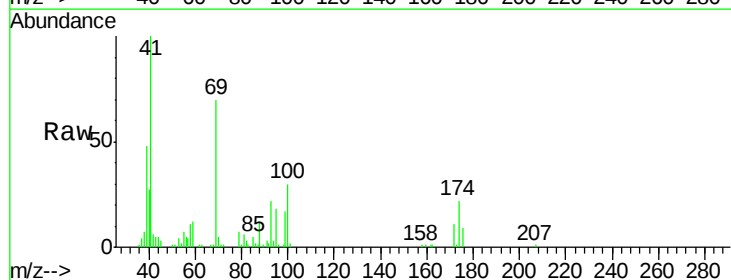
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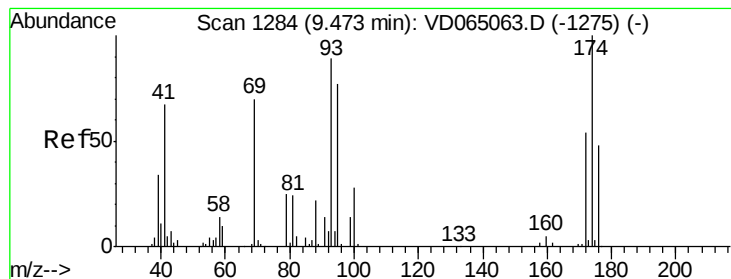
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#48
Methyl methacrylate
Concen: 19.194 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	45509		
69	86.6	67.5	101.3	
39	52.6	47.0	70.4	





#49

1,4-Dioxane

Concen: 410.985 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

VD0214SBS01

Tot Ion: 88 Resp: 10678

Ion Ratio Lower Upper

88 100

43 37.3 27.7 41.5

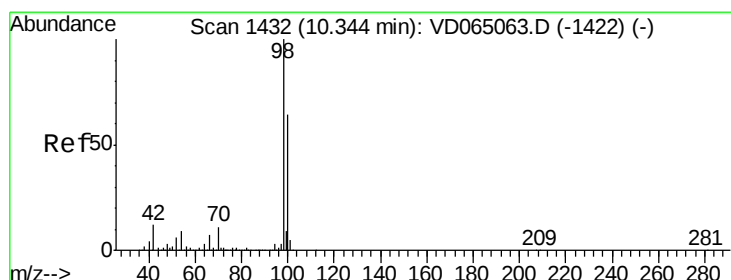
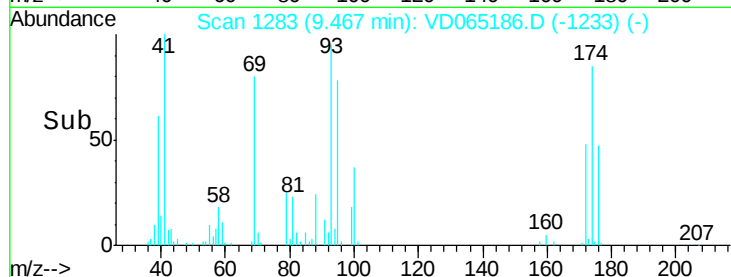
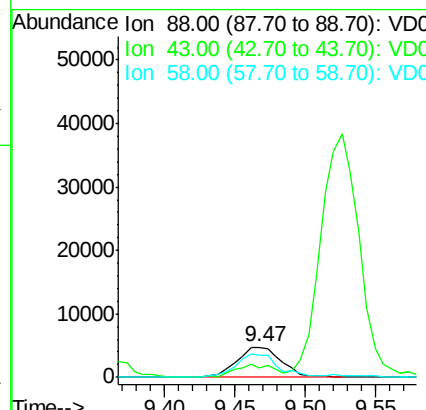
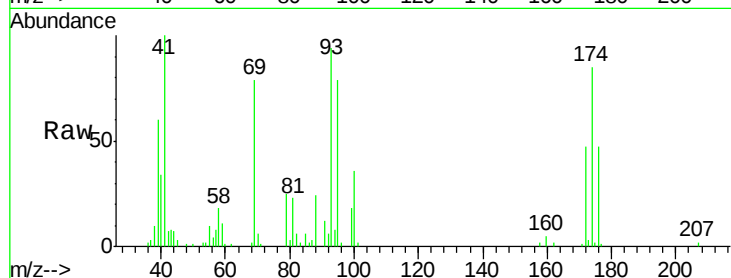
58 74.1 55.5 83.3

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#50

Toluene-d8

Concen: 56.215 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065186.D

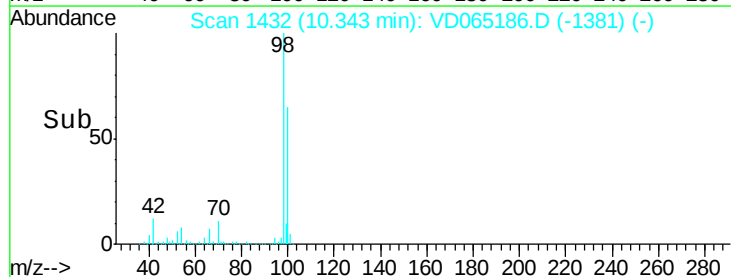
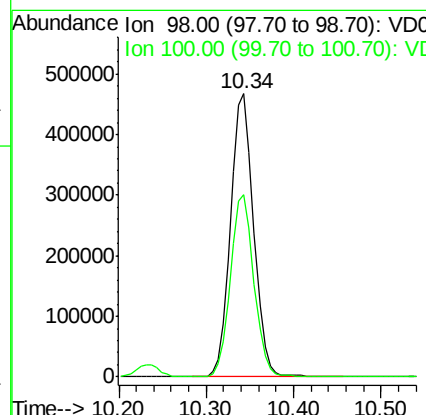
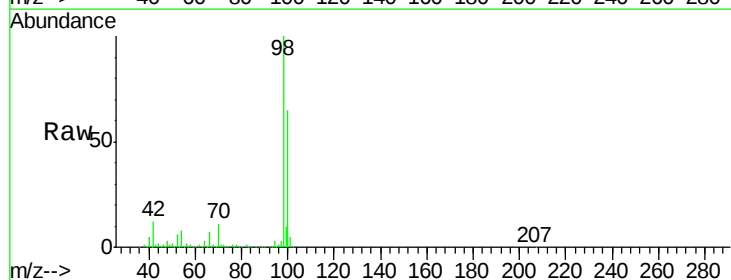
Acq: 14 Feb 2020 14:25

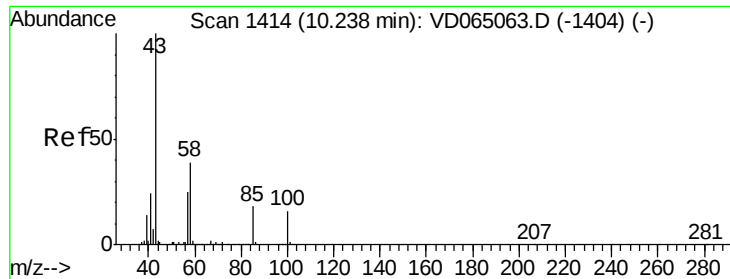
Tgt Ion: 98 Resp: 846498

Ion Ratio Lower Upper

98 100

100 65.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 100.805 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

VD0214SBS01

Tot Ion: 43 Resp: 244483

Ion Ratio Lower Upper

43 100

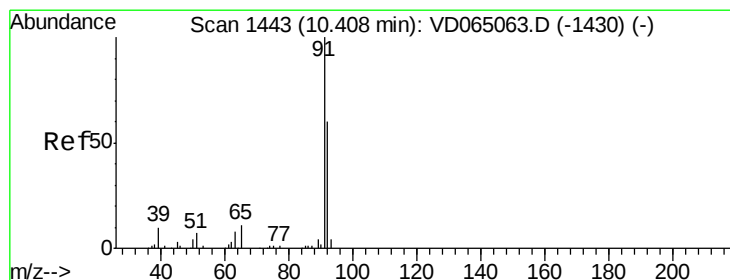
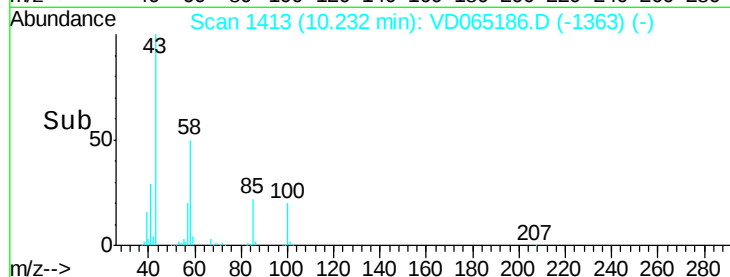
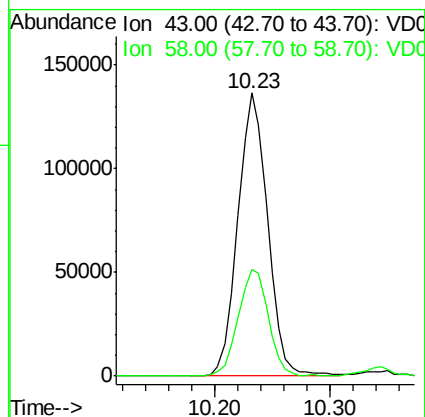
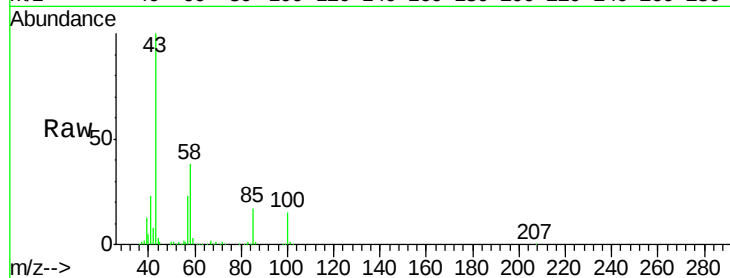
58 38.2 30.2 45.2

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#52

Toluene

Concen: 22.315 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD065186.D

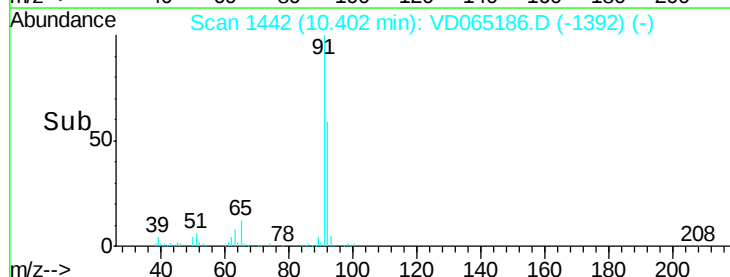
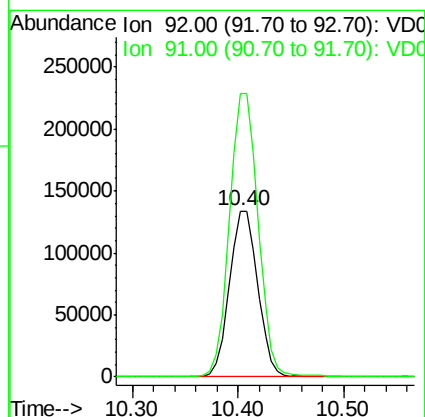
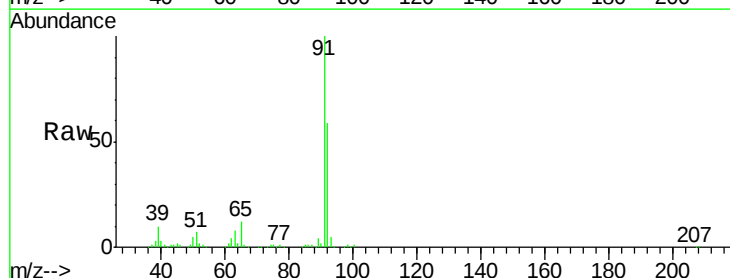
Acq: 14 Feb 2020 14:25

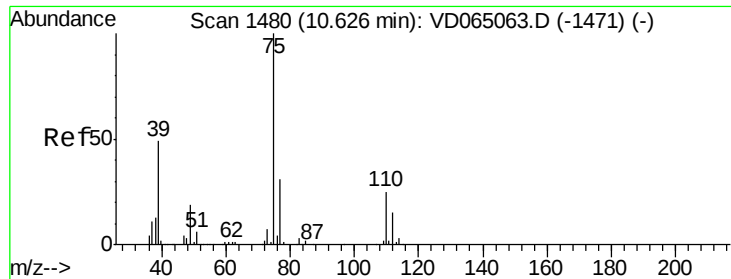
Tgt Ion: 92 Resp: 247979

Ion Ratio Lower Upper

92 100

91 171.4 135.3 202.9





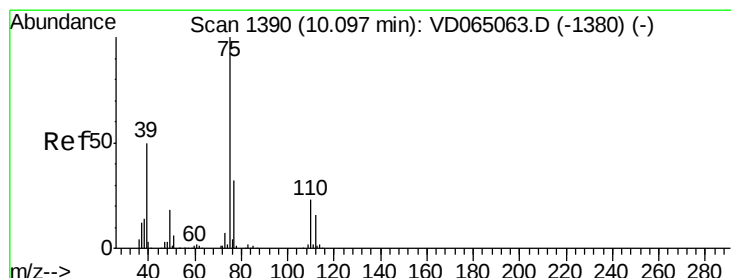
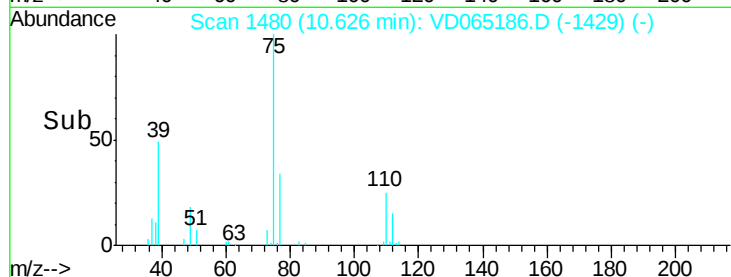
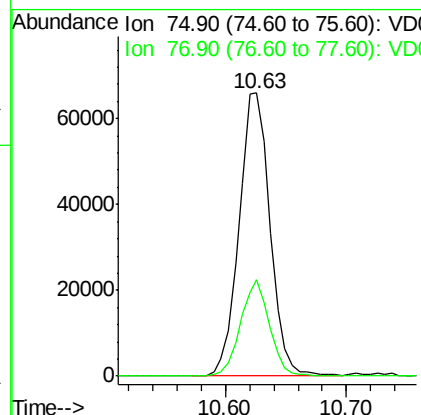
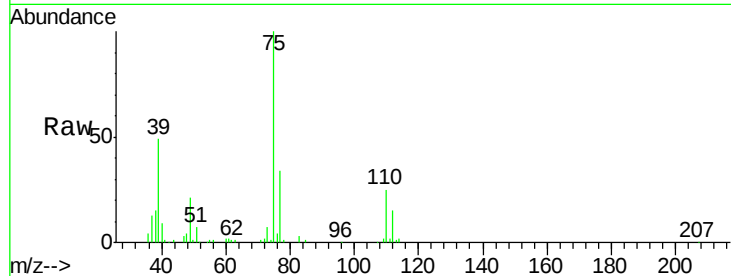
#53
t-1,3-Dichloropropene
Concen: 20.990 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.2	24.9	37.3

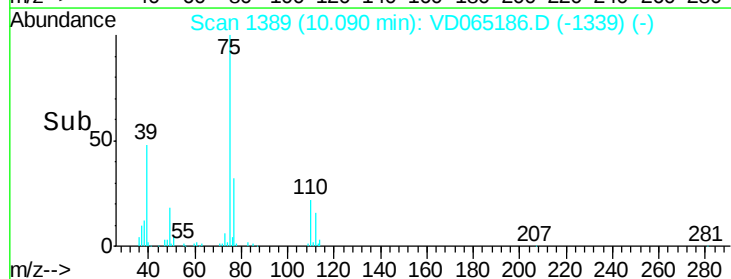
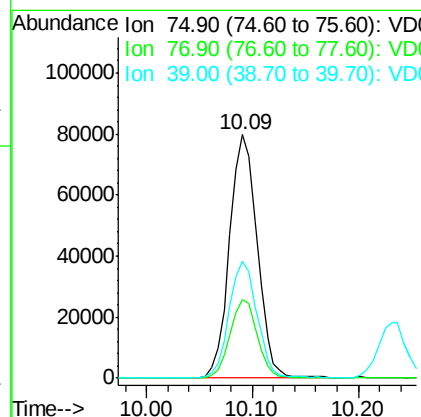
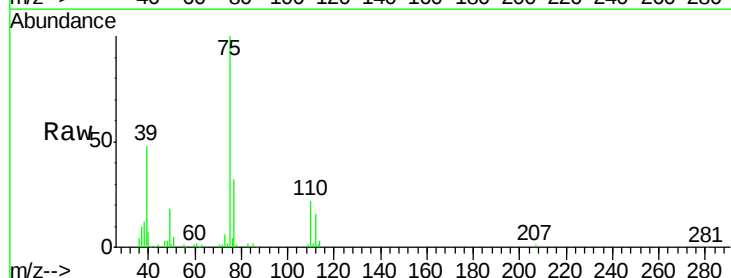
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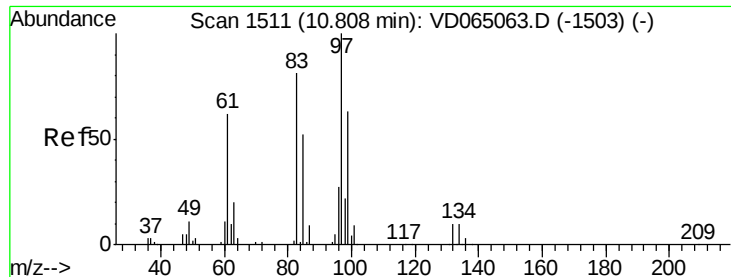
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#54
cis-1,3-Dichloropropene
Concen: 21.540 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.3	37.9
39	48.0	40.3	60.5





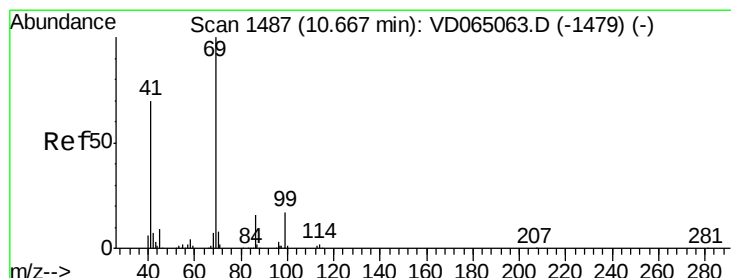
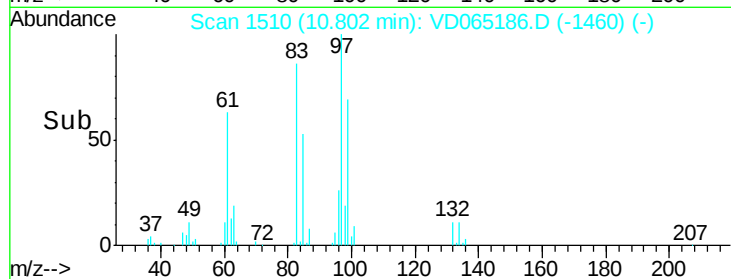
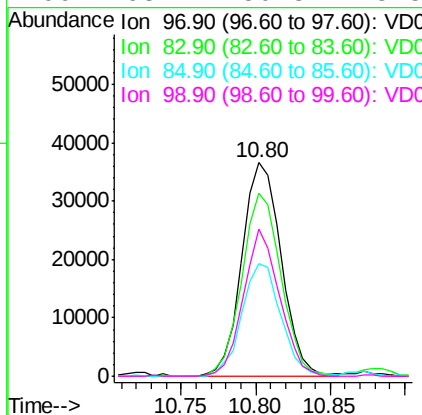
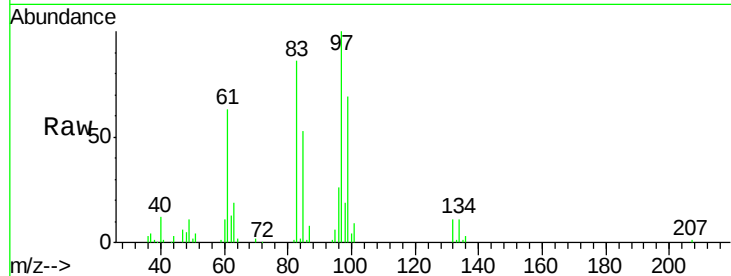
#55
 1,1,2-Trichloroethane
 Concen: 22.213 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0214SBS01

Tot Ion:	97	Resp:	66834
Ion	Ratio	Lower	Upper
97	100		
83	86.0	64.8	97.2
85	52.6	41.2	61.8
99	68.7	50.3	75.5

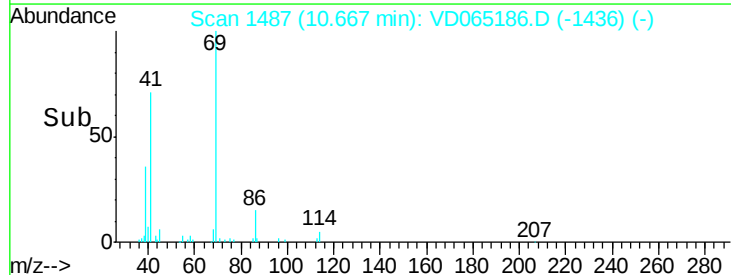
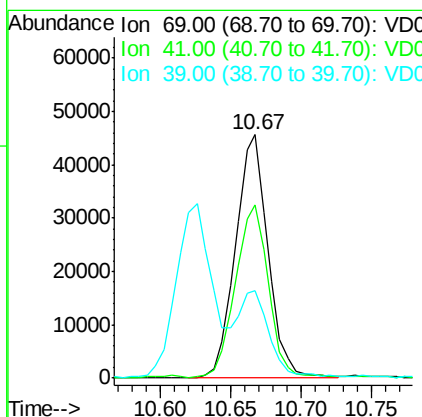
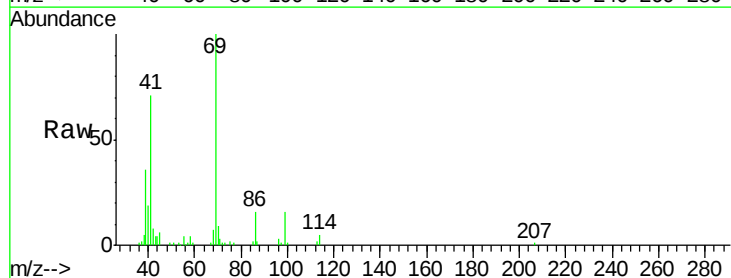
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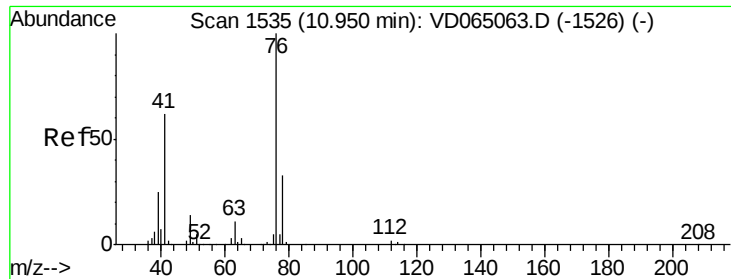
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#56
 Ethyl methacrylate
 Concen: 19.327 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion:	69	Resp:	73579
Ion	Ratio	Lower	Upper
69	100		
41	73.1	55.9	83.9
39	32.8	29.4	44.0





#57

1,3-Dichloropropane

Concen: 21.313 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

VD0214SBS01

Tot Ion: 76 Resp: 112765

Ion Ratio Lower Upper

76 100

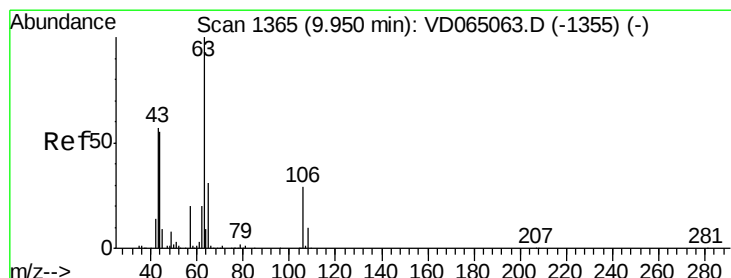
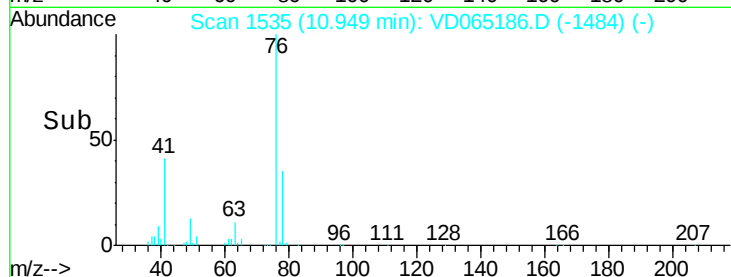
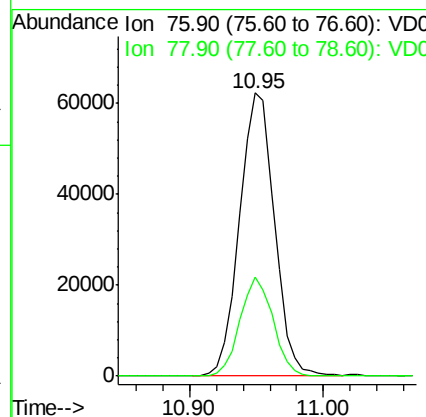
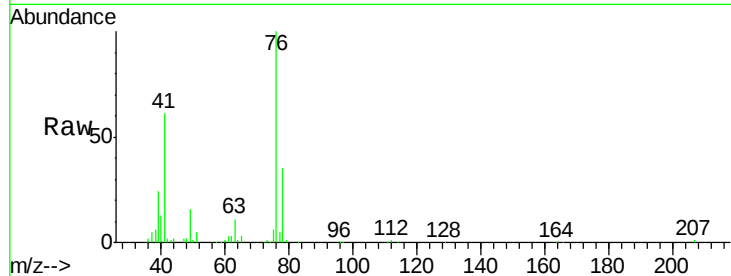
78 33.2 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 78.896 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065186.D

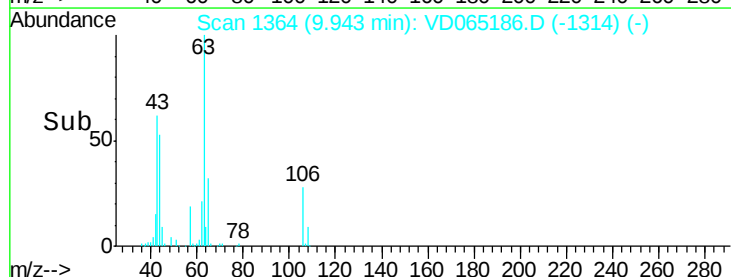
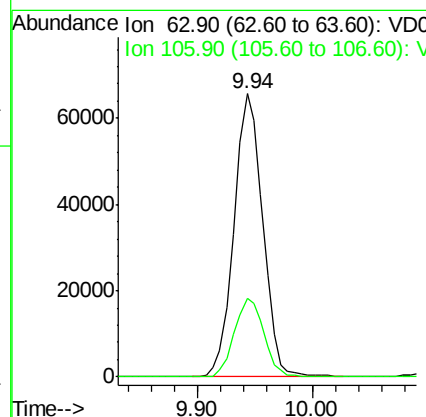
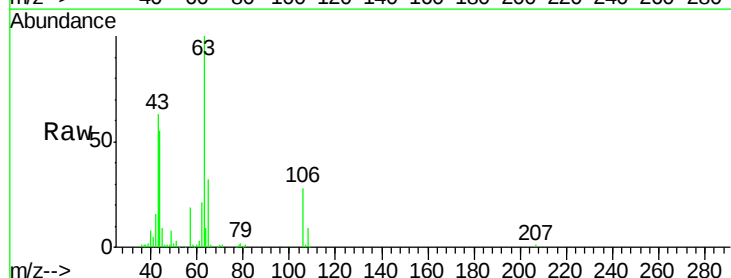
Acq: 14 Feb 2020 14:25

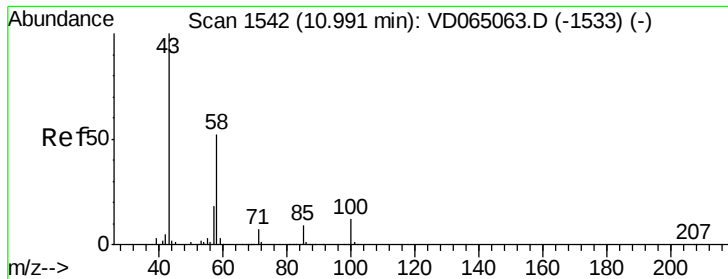
Tgt Ion: 63 Resp: 113046

Ion Ratio Lower Upper

63 100

106 28.6 23.3 34.9





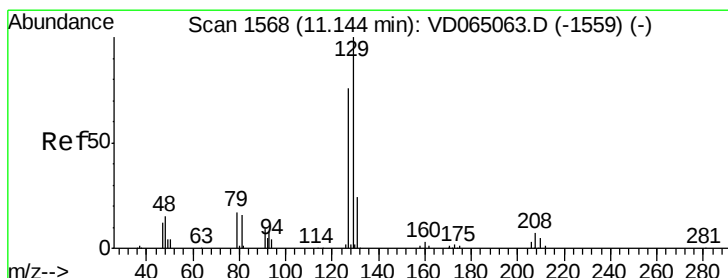
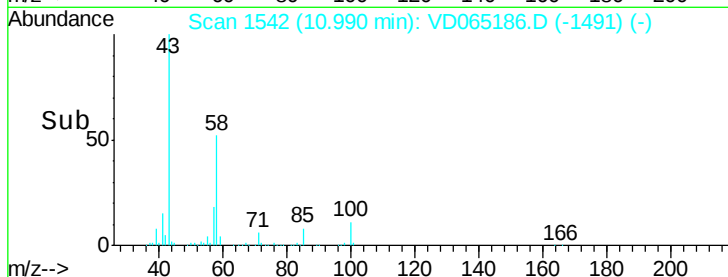
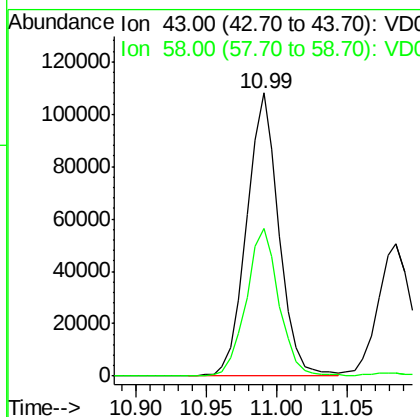
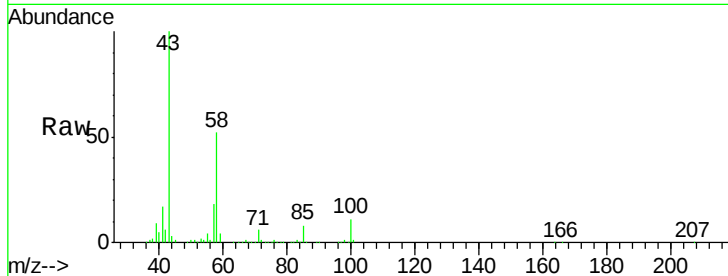
#59
2-Hexanone
Concen: 100.929 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion: 43 Resp: 173387
Ion Ratio Lower Upper
43 100
58 52.8 26.2 78.6

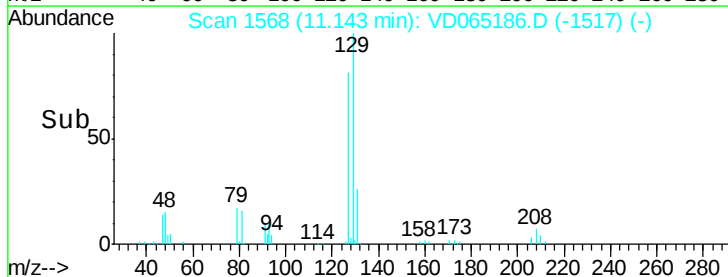
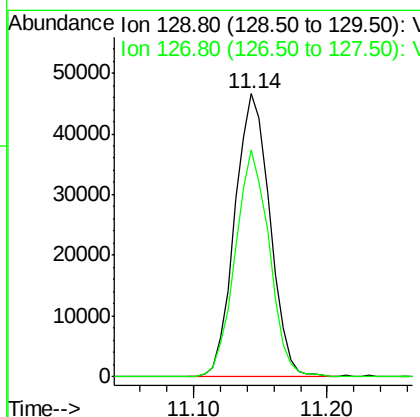
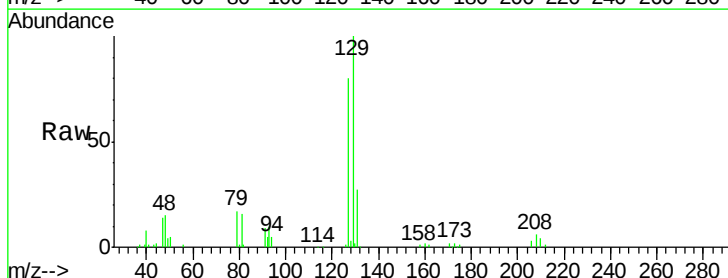
Manual Integrations
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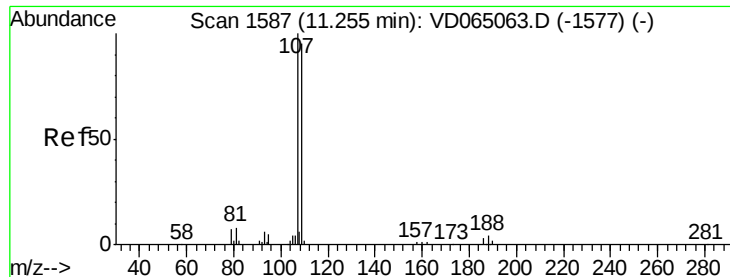
MMDadoda
2/17/2020 10:34:59 AM



#60
Dibromochloromethane
Concen: 21.822 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion: 129 Resp: 85043
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9





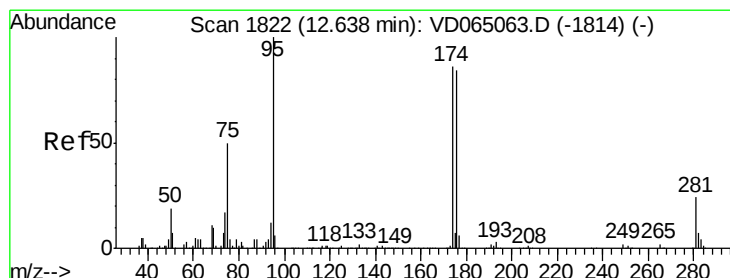
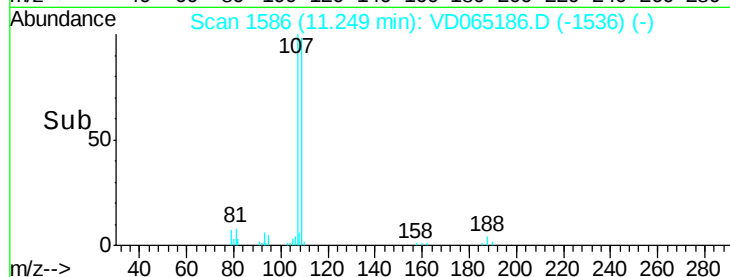
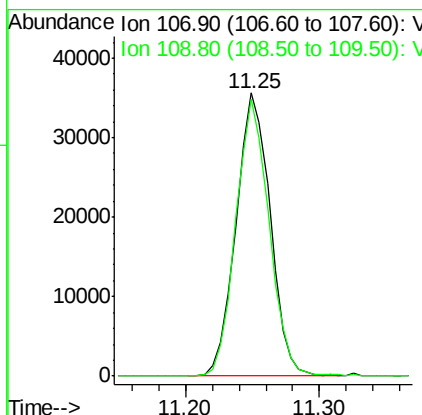
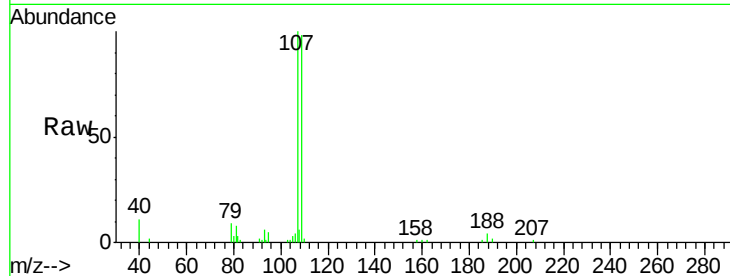
#61
 1,2-Dibromoethane
 Concen: 21.458 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0214SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.5	113.3

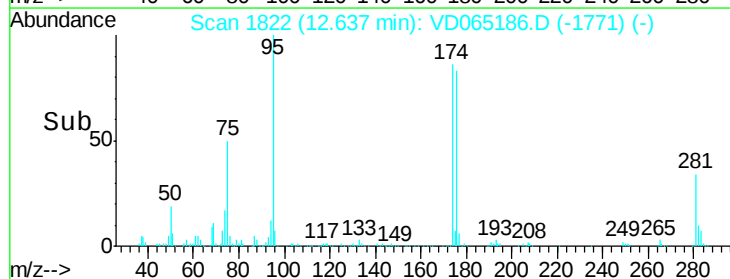
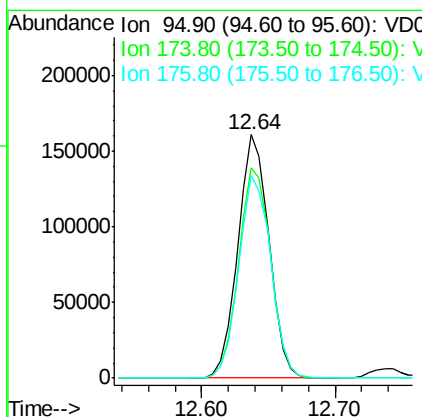
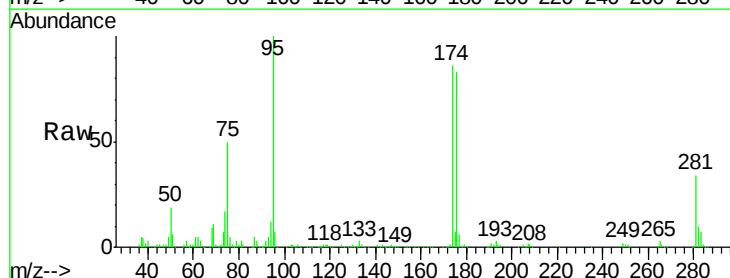
Manual Integrations
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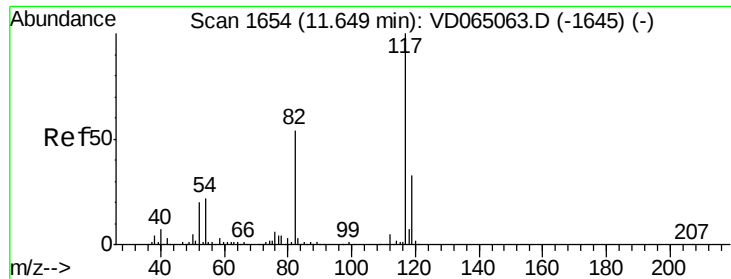
MMDadoda
 2/17/2020 10:34:59 AM



#62
 4-Bromofluorobenzene
 Concen: 54.287 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	180.0
176	85.7	0.0	173.2





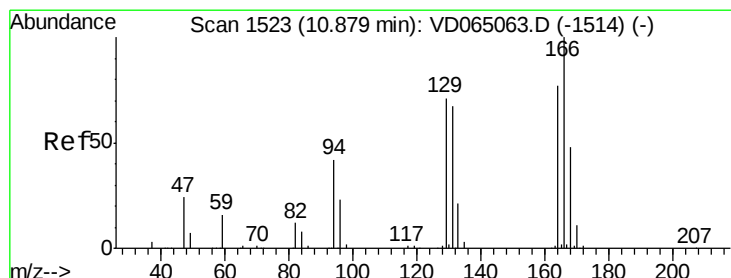
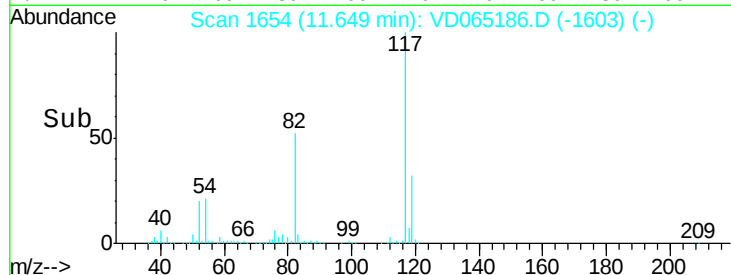
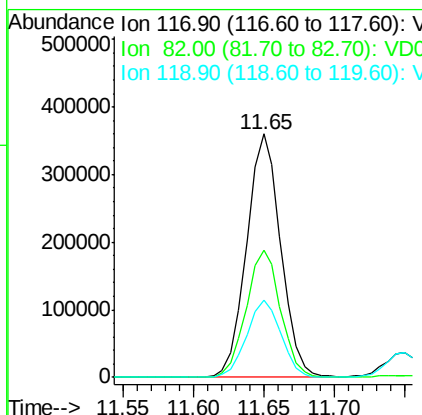
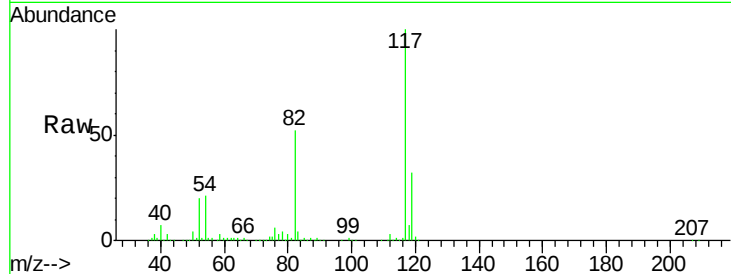
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	610741		
82	52.0		43.1	64.7
119	32.0		26.0	39.0

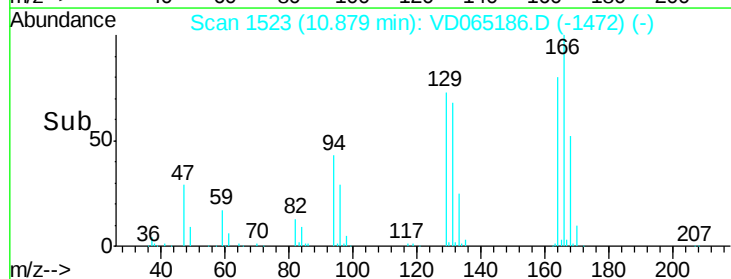
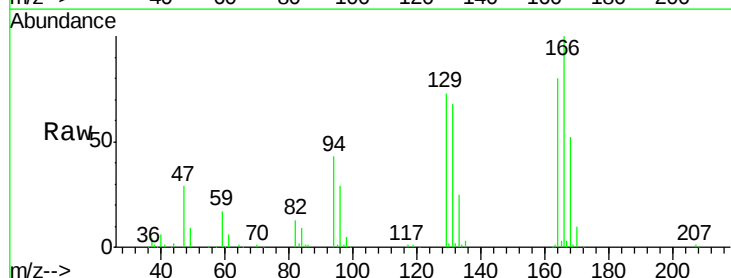
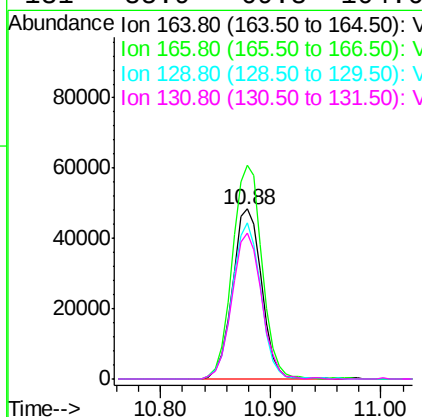
Manual Integrations
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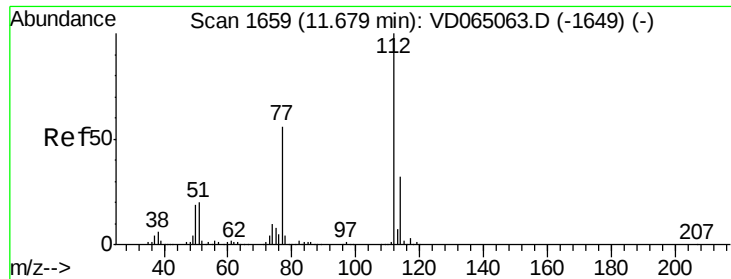
MMDadoda
2/17/2020 10:34:59 AM



#64
Tetrachloroethene
Concen: 20.446 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89727		
166	125.6		103.5	155.3
129	92.0		73.3	109.9
131	85.9		69.8	104.6





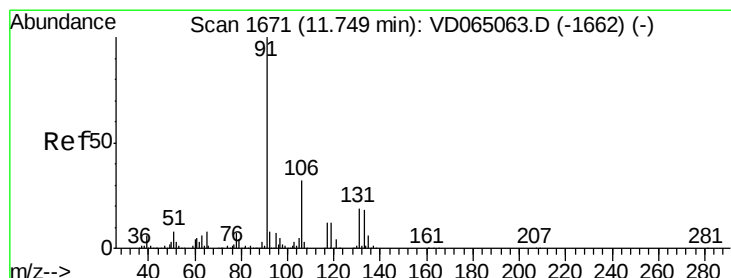
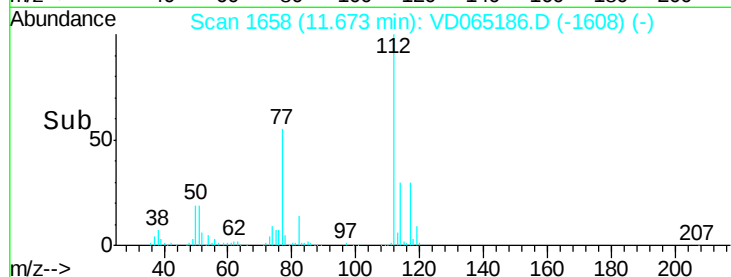
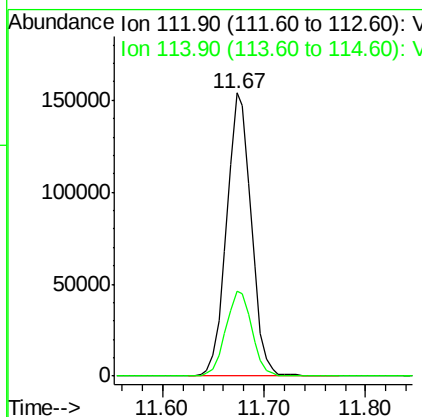
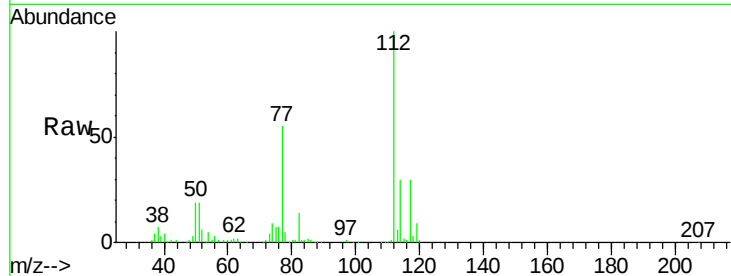
#65
Chlorobenzene
Concen: 21.937 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	259135		
114	30.0	25.4	38.0	

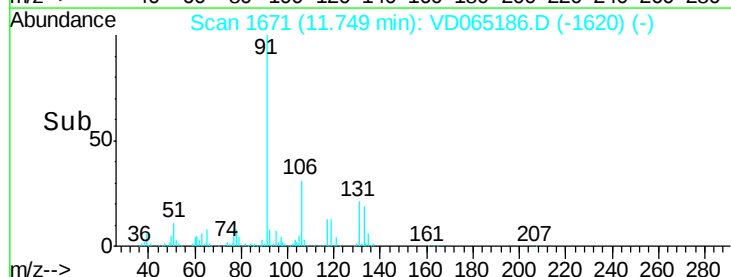
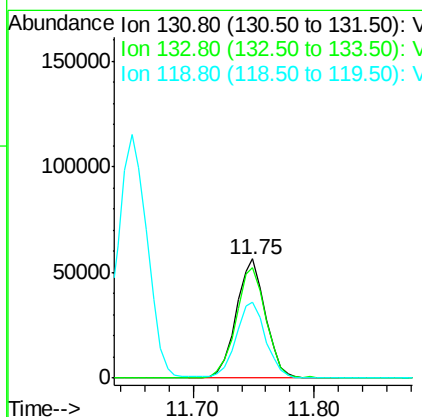
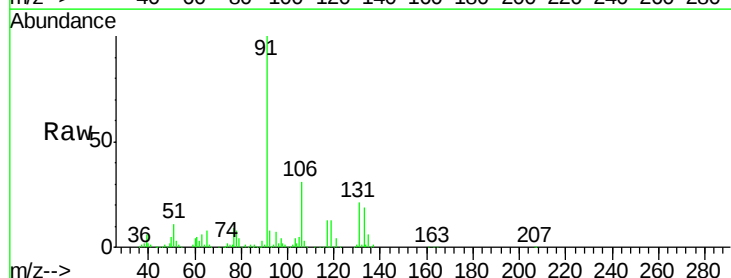
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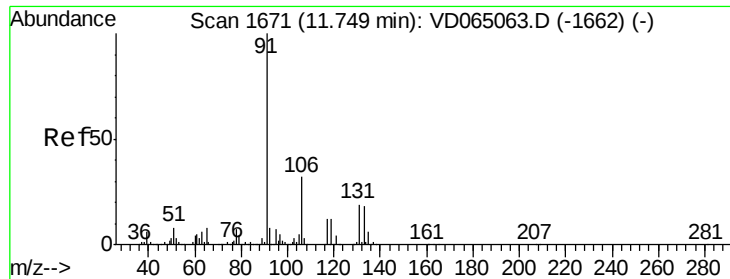
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.854 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	95278		
133	95.4	47.7	143.1	
119	64.7	31.3	93.8	





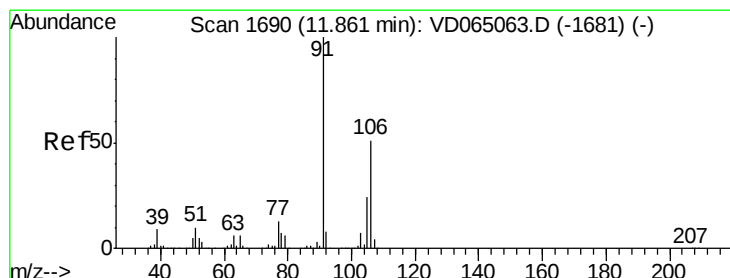
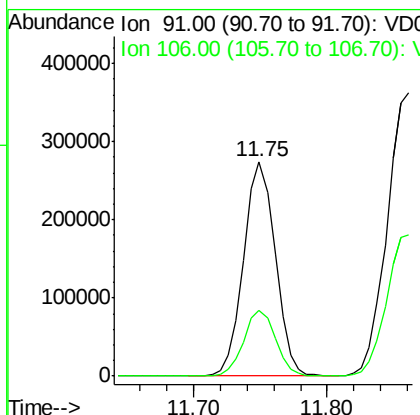
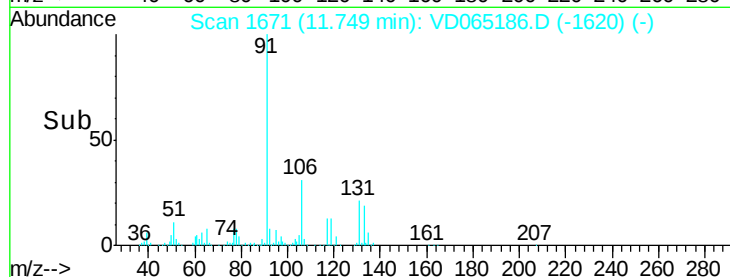
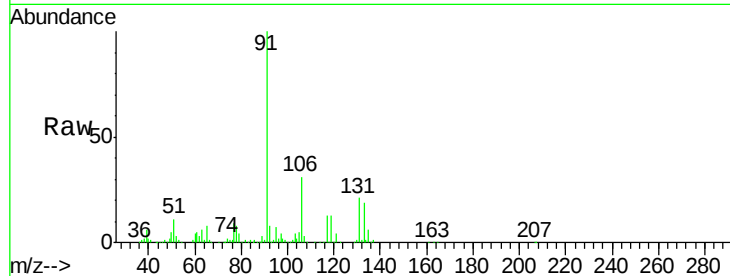
#67
Ethyl Benzene
Concen: 21.046 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion: 91 Resp: 451680
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.2

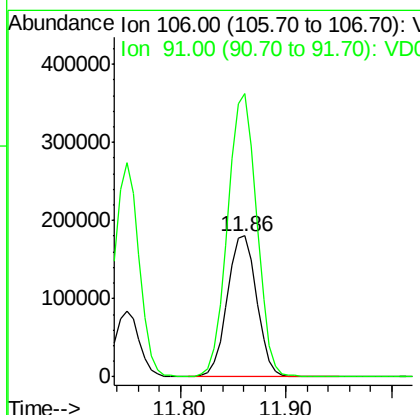
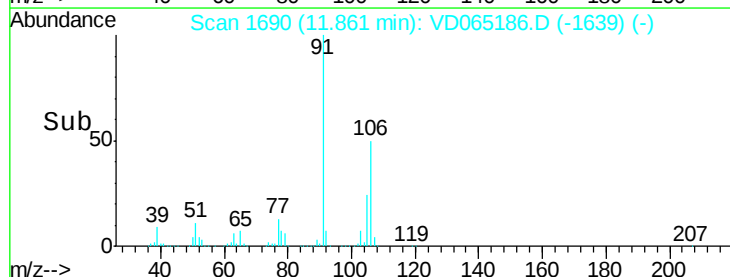
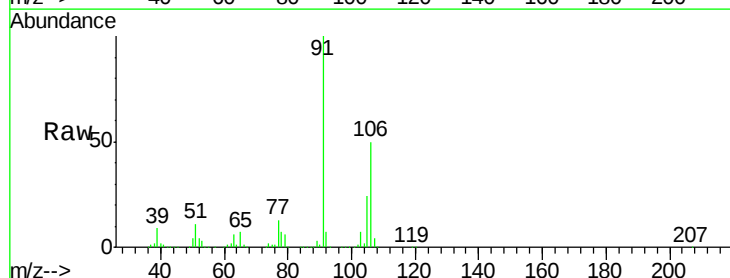
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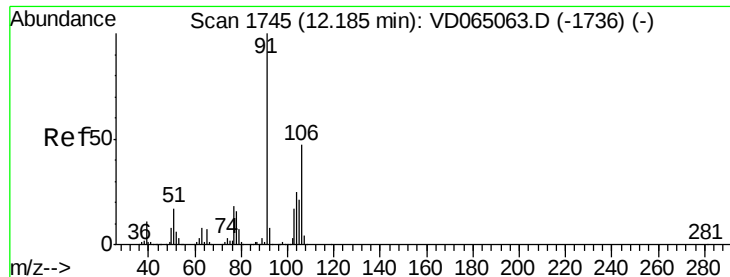
MMDadoda
2/17/2020 10:34:59 AM



#68
m/p-Xylenes
Concen: 42.332 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion: 106 Resp: 346749
Ion Ratio Lower Upper
106 100
91 198.4 158.9 238.3





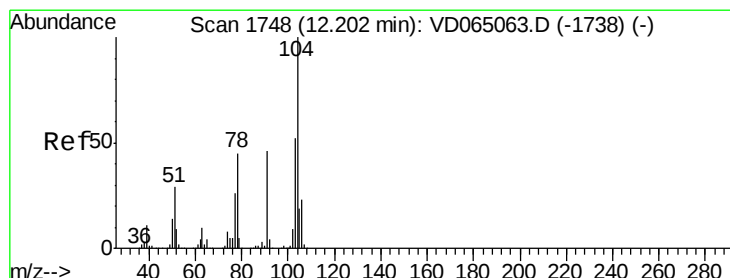
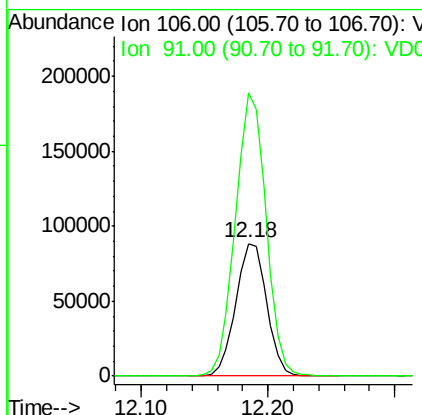
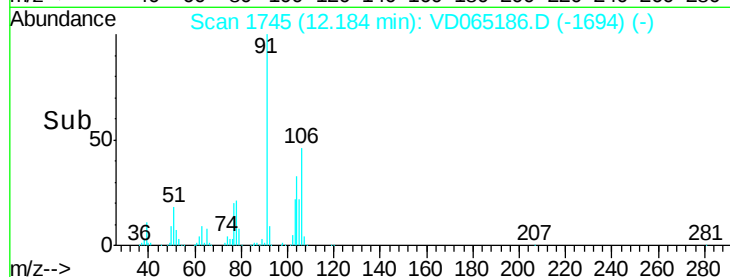
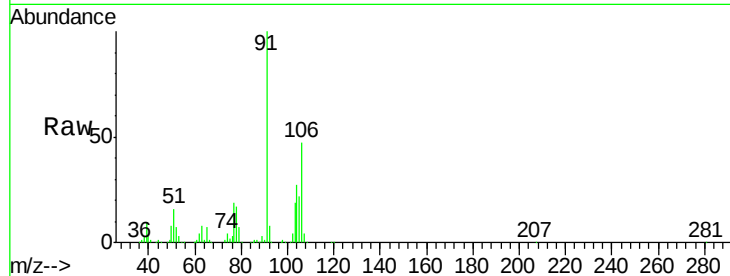
#69
o-Xylene
Concen: 20.298 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion:106 Resp: 149724
Ion Ratio Lower Upper
106 100
91 211.8 104.7 313.9

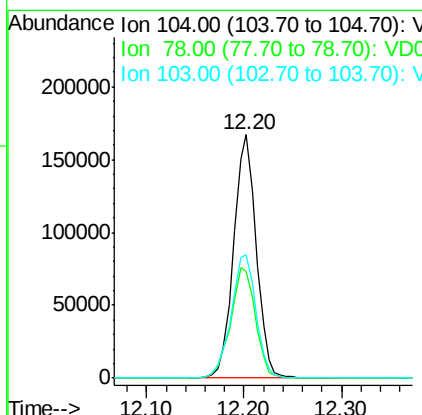
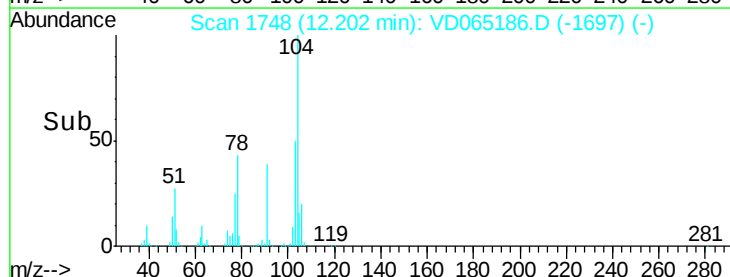
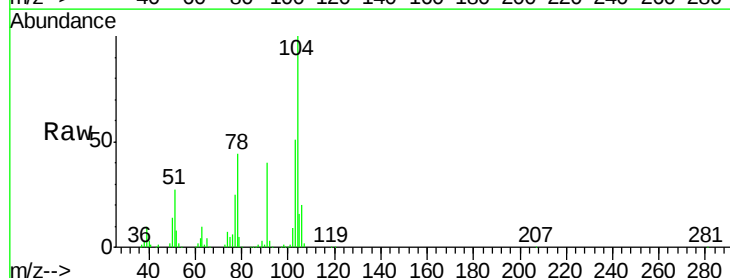
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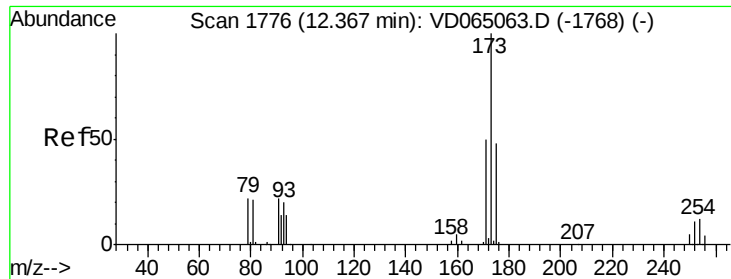
MMDadoda
2/17/2020 10:34:59 AM



#70
Styrene
Concen: 20.959 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion:104 Resp: 268703
Ion Ratio Lower Upper
104 100
78 49.6 38.5 57.7
103 55.6 43.8 65.8





#71

Bromoform

Concen: 21.282 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

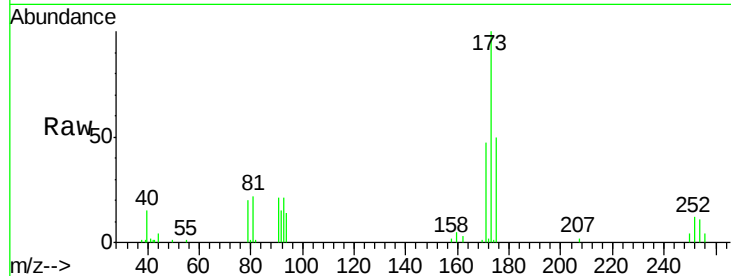
ClientSampleId :

VD0214SBS01

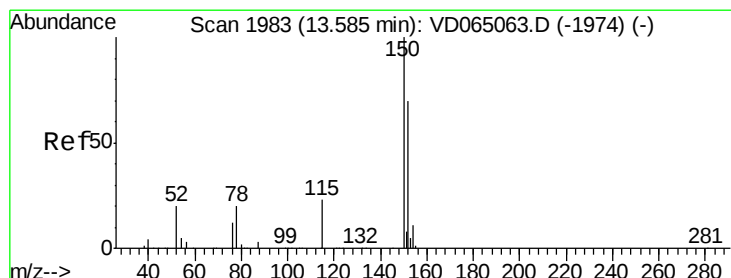
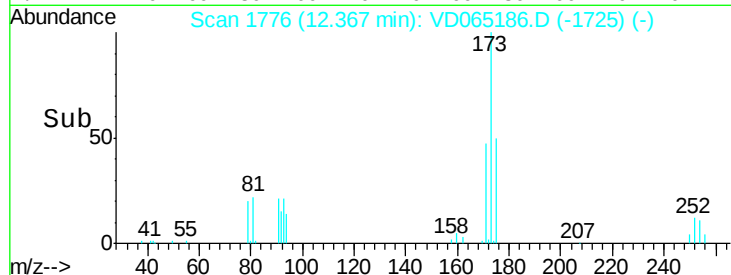
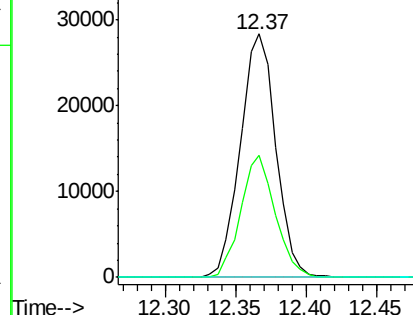
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.8
254	0.0	0.1	0.1#

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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

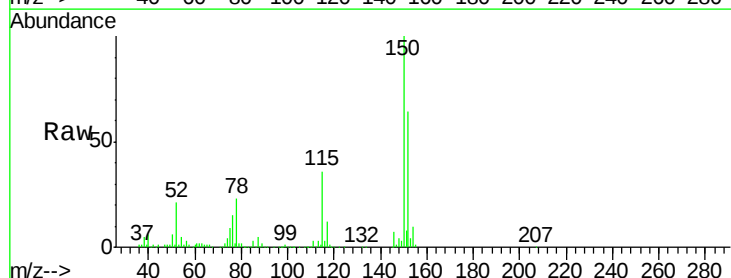
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

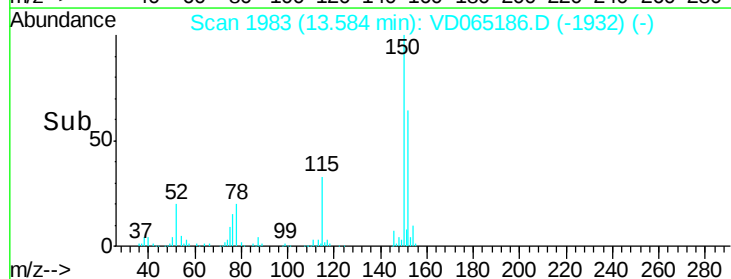
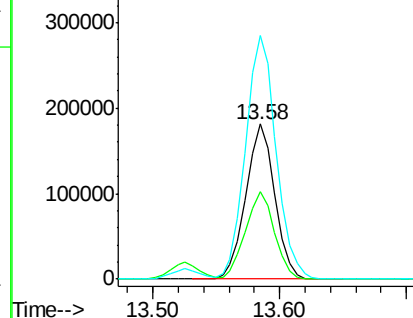
Lab File: VD065186.D

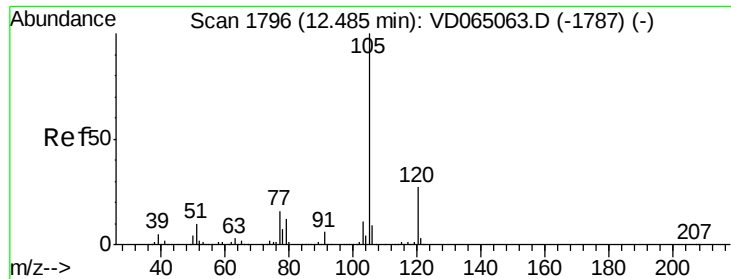
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.5	82.4
150	165.9	0.0	343.2



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





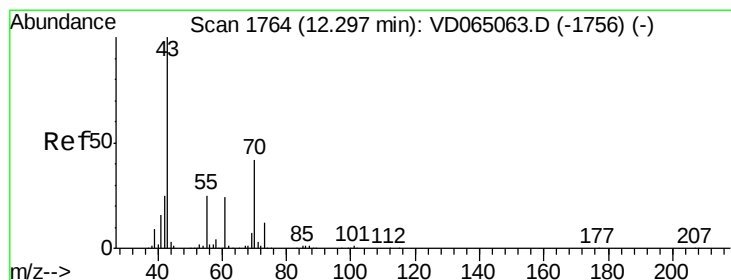
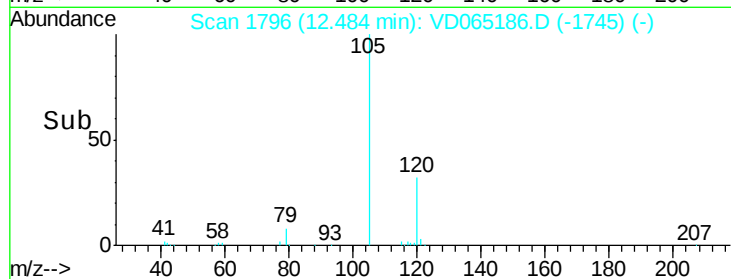
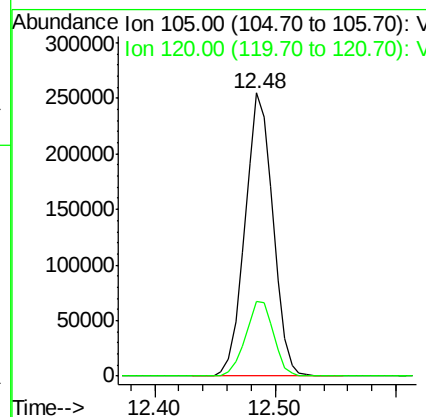
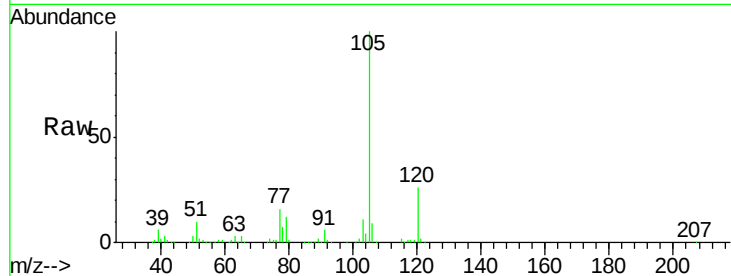
#73
Isopropylbenzene
Concen: 20.884 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9

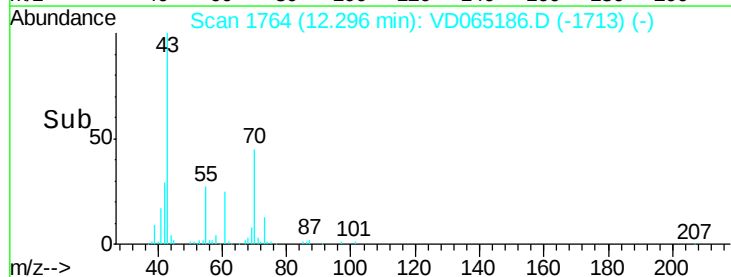
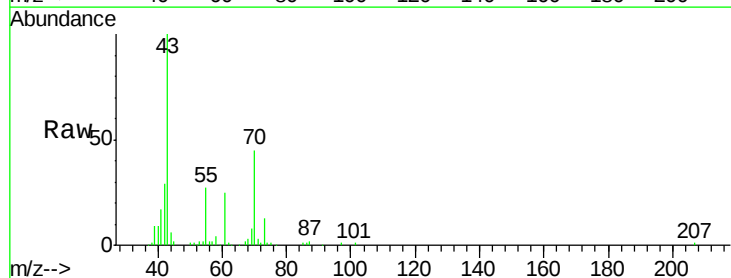
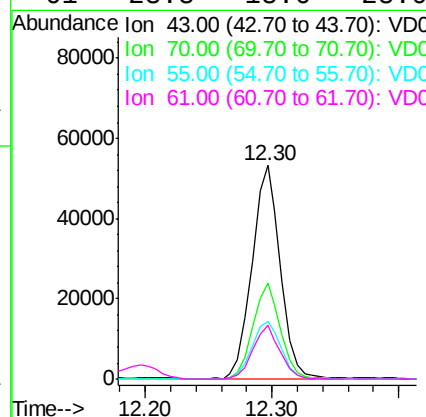
Manual Integrations
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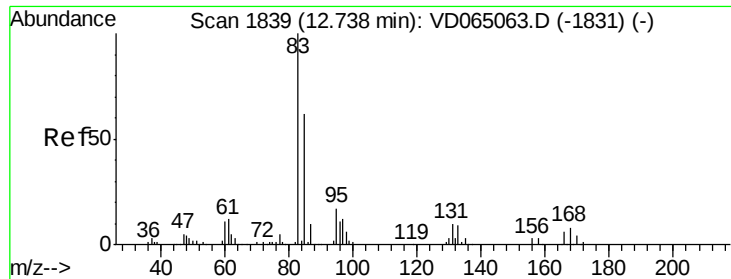
MMDadoda
2/17/2020 10:34:59 AM



#74
N-ethyl acetate
Concen: 19.295 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.4	33.5	50.3
55	27.9	19.4	29.2
61	23.8	18.6	28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.718 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

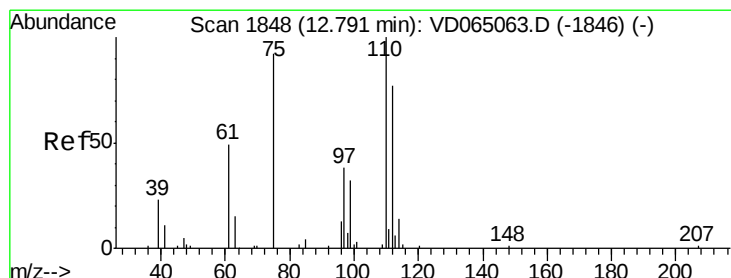
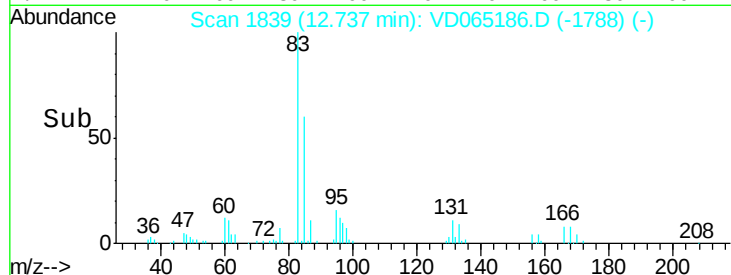
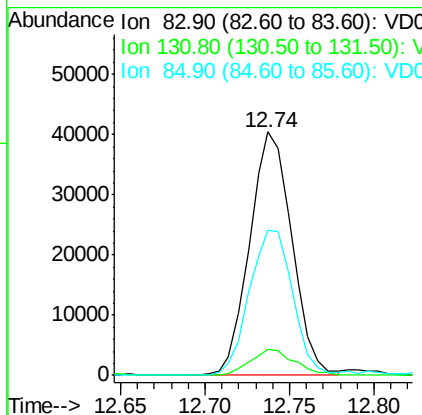
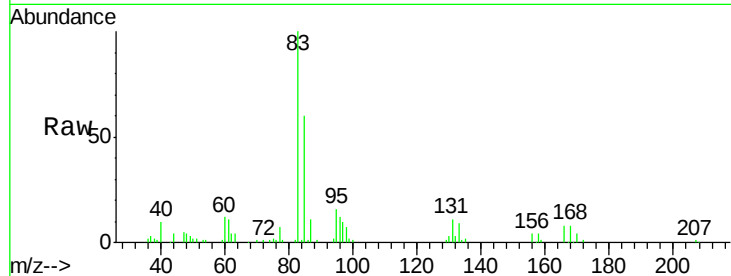
ClientSampleId :

VD0214SBS01

Tot Ion:	83	Resp:	70497
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	61.2	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.441 ug/l m

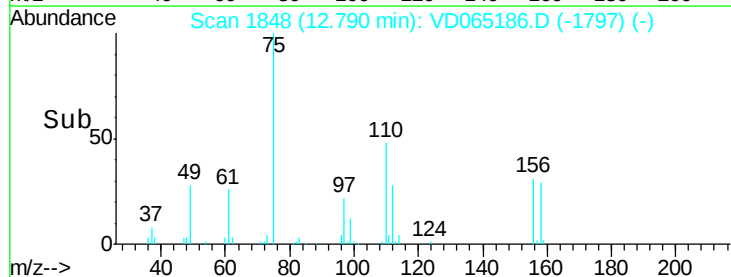
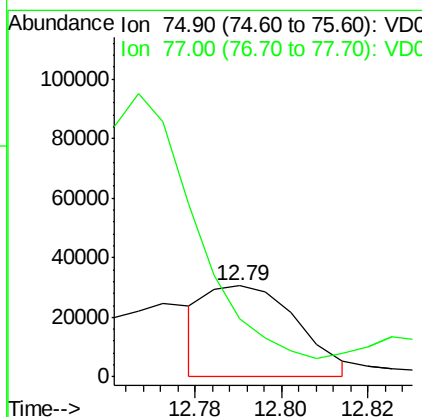
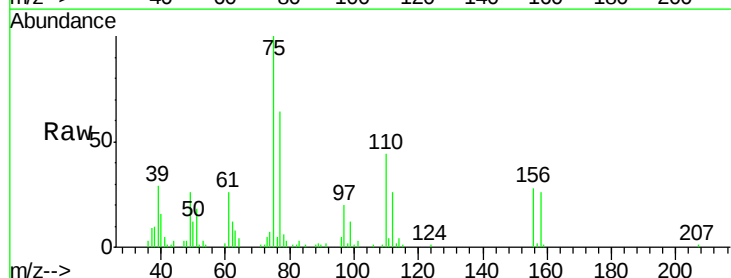
RT: 12.79 min Scan# 1848

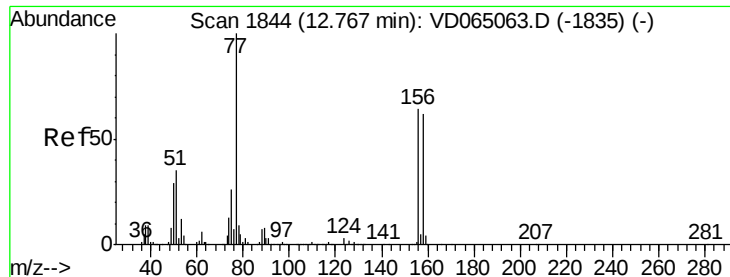
Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Tgt Ion:	75	Resp:	44457
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.084 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065186.D

Acq: 14 Feb 2020 14:25

Instrument :

MSVOA_D

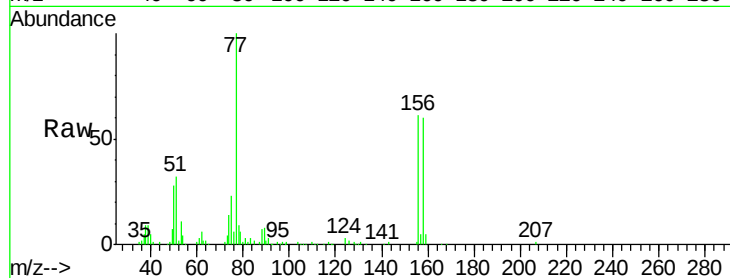
ClientSampleId :

VD0214SBS01

Tot Ion:	156	Resp:	100160
Ion Ratio	Lower	Upper	
156	100		
77	174.9	85.6	256.8
158	97.8	47.4	142.2

Manual Integrations
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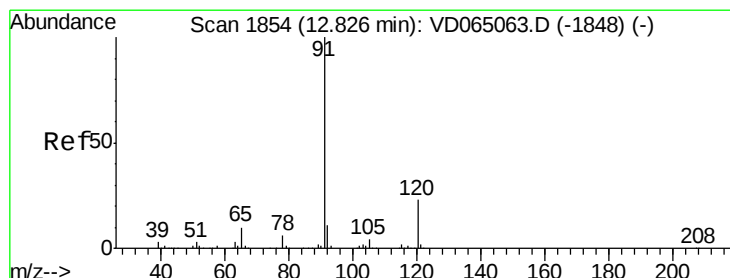
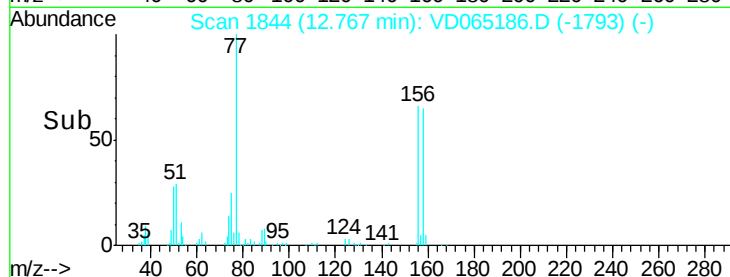
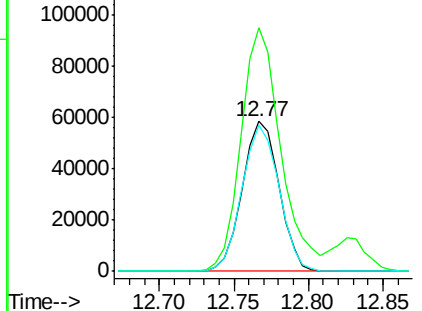
MMDadoda
2/17/2020 10:34:59 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.033 ug/l

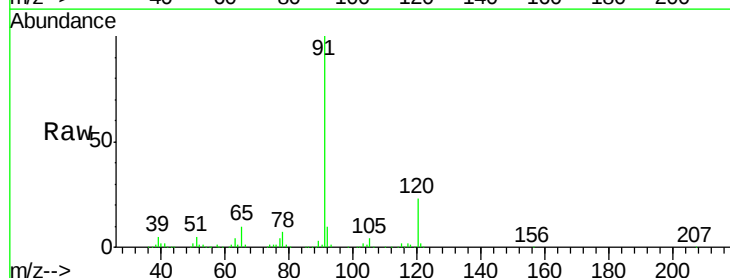
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065186.D

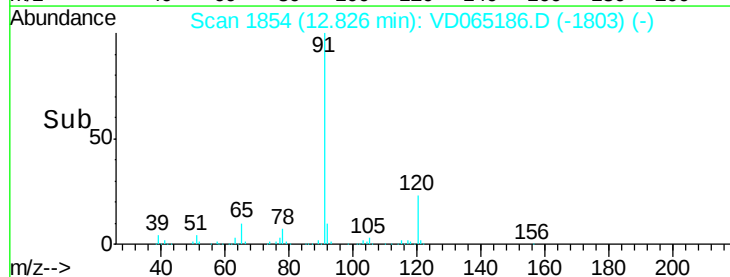
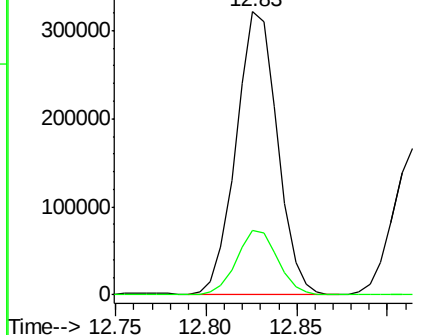
Acq: 14 Feb 2020 14:25

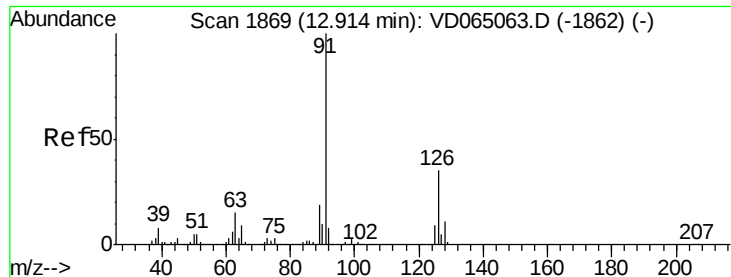
Tgt Ion:	91	Resp:	508761
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





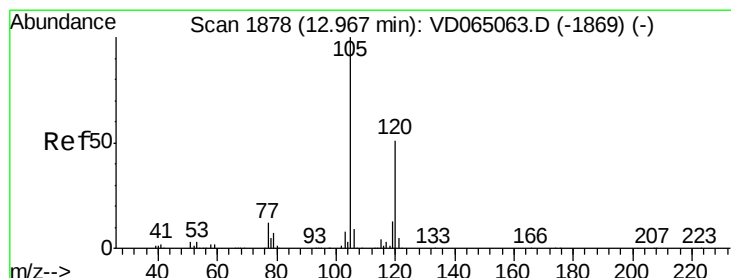
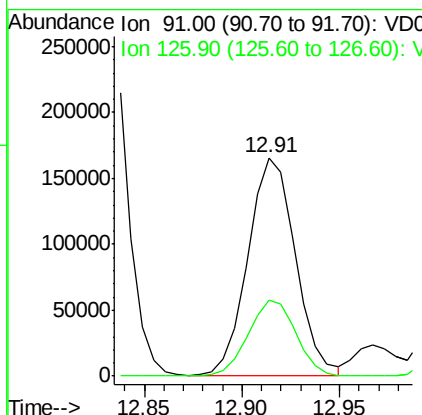
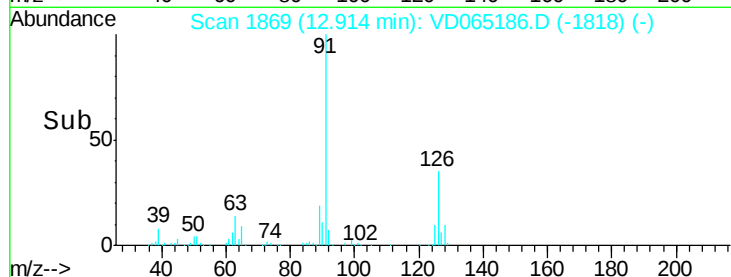
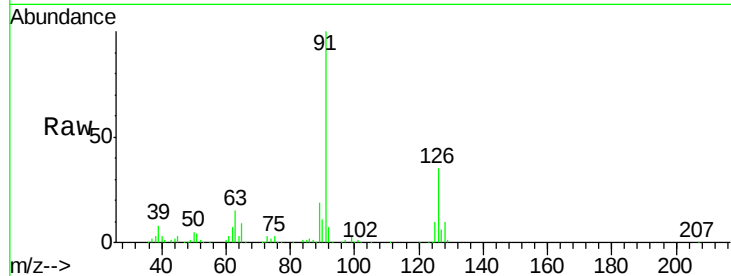
#79
2-Chlorotoluene
Concen: 21.737 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion: 91 Resp: 279772
Ion Ratio Lower Upper
91 100
126 35.0 17.4 52.3

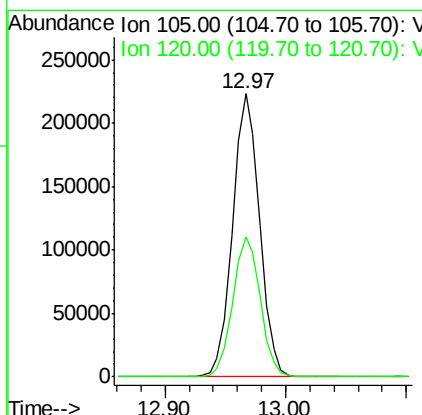
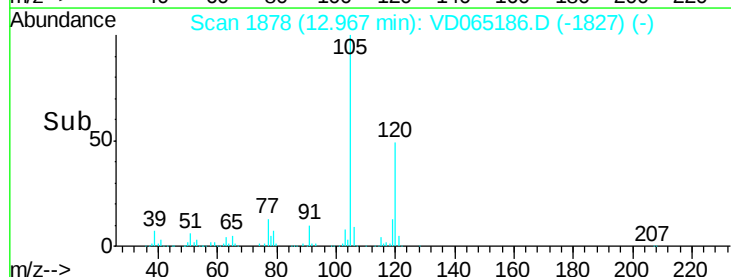
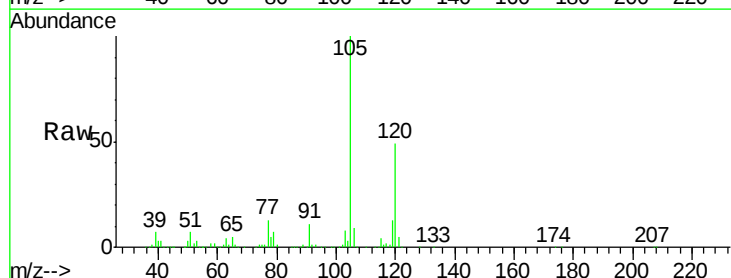
Manual Integrations
APPROVED

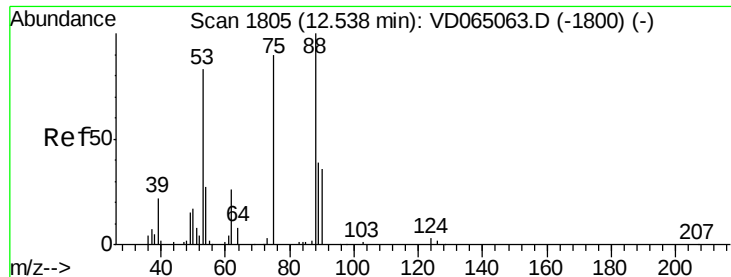
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.537 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion: 105 Resp: 347400
Ion Ratio Lower Upper
105 100
120 50.3 25.1 75.4





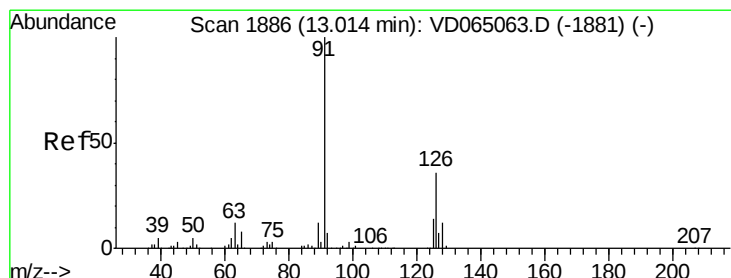
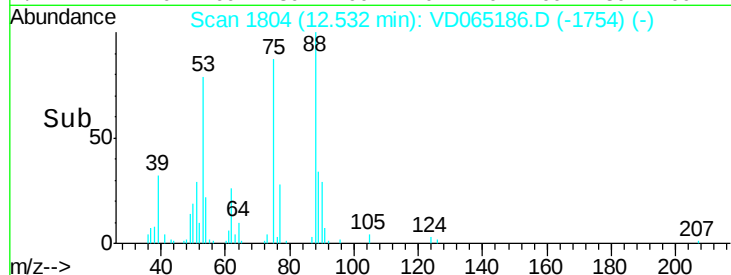
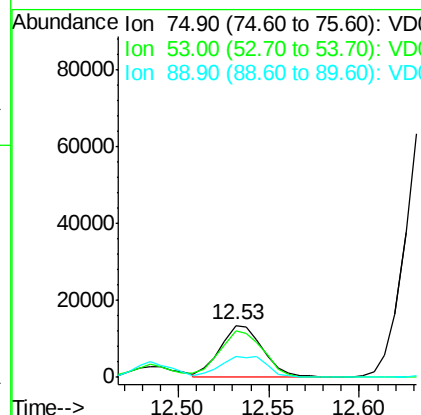
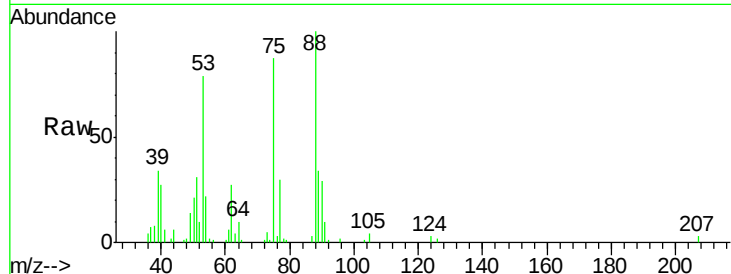
#81
trans-1,4-Dichloro-2-butene
Concen: 20.613 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.1	78.5	117.7
89	42.8	37.0	55.4

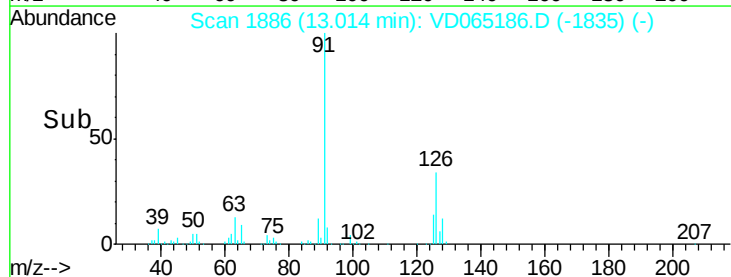
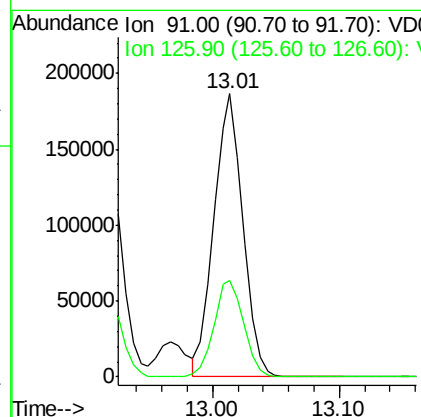
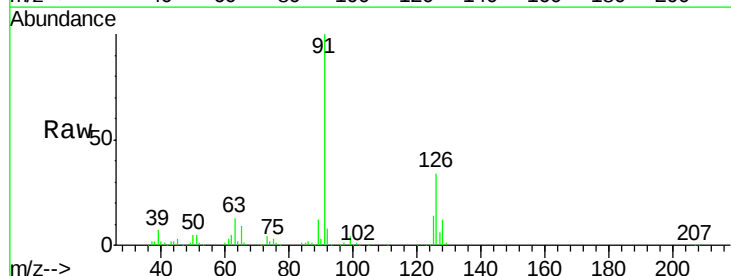
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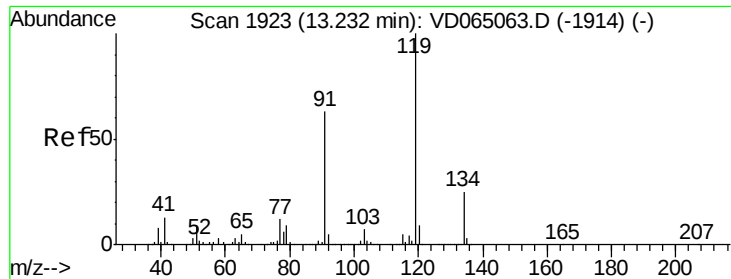
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#82
4-Chlorotoluene
Concen: 21.985 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.5





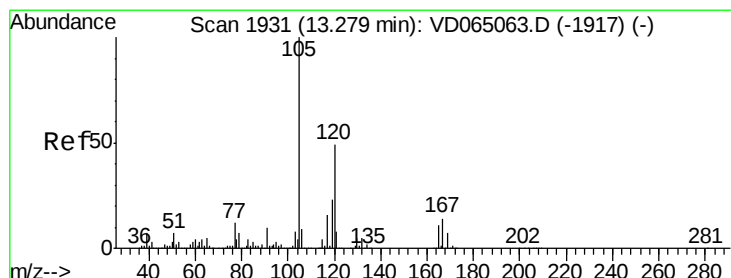
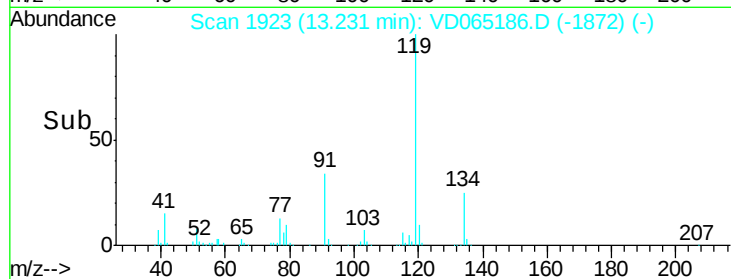
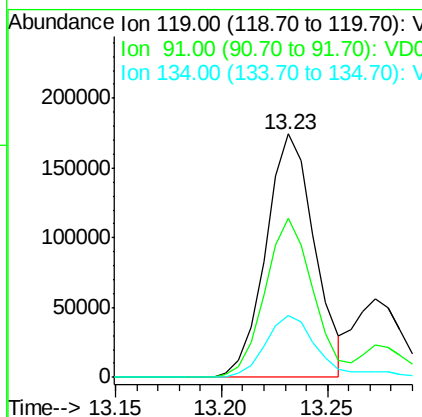
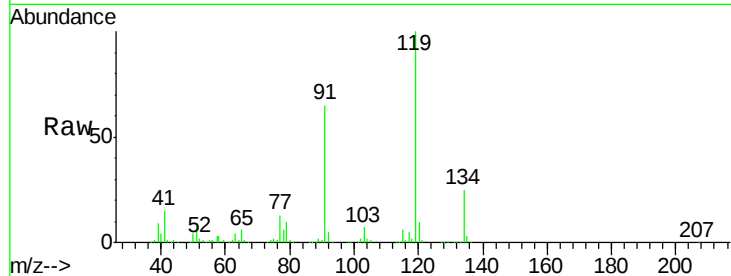
#83
tert-Butylbenzene
Concen: 20.173 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	280730		
91	64.9		32.3	96.9
134	27.8		13.8	41.3

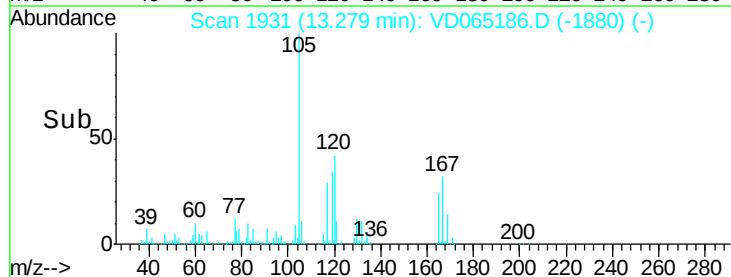
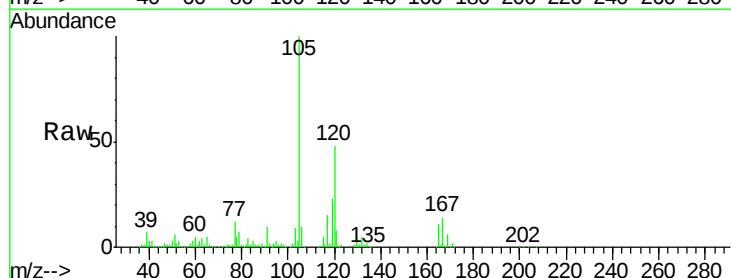
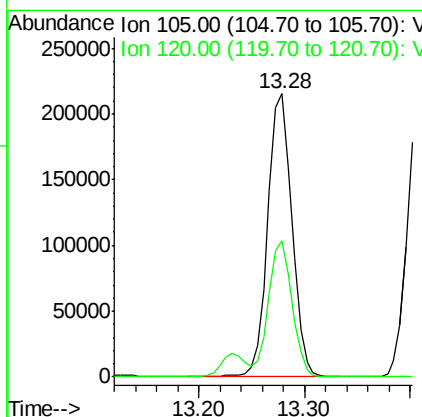
Manual Integrations
APPROVED

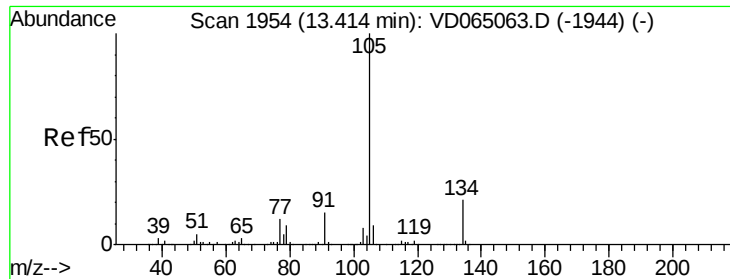
MMDadoda
2/17/2020 10:34:59 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.349 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	341883		
120	46.8		23.5	70.5





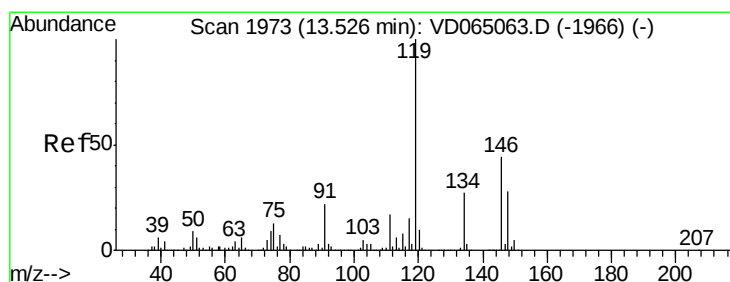
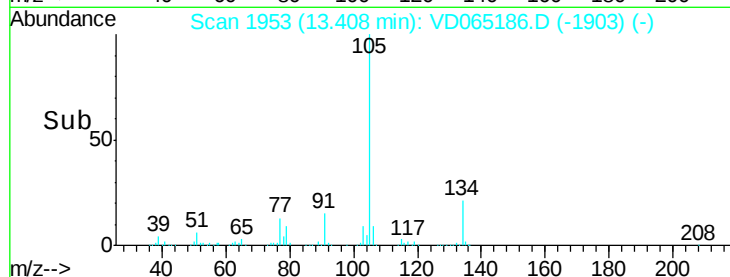
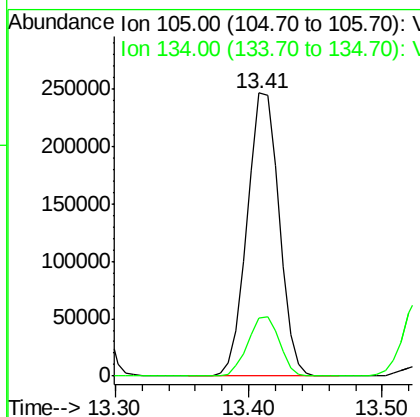
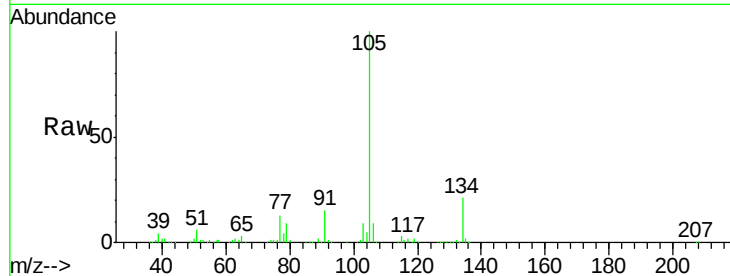
#85
 sec-Butylbenzene
 Concen: 21.400 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0214SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.1

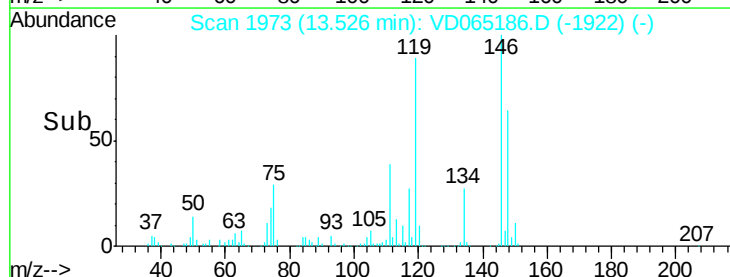
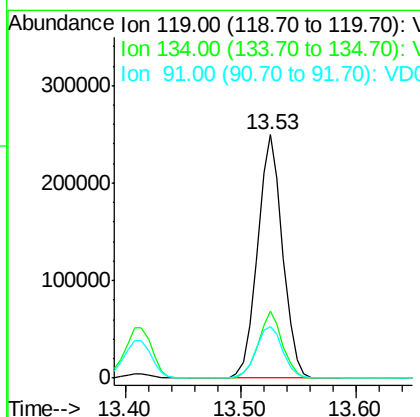
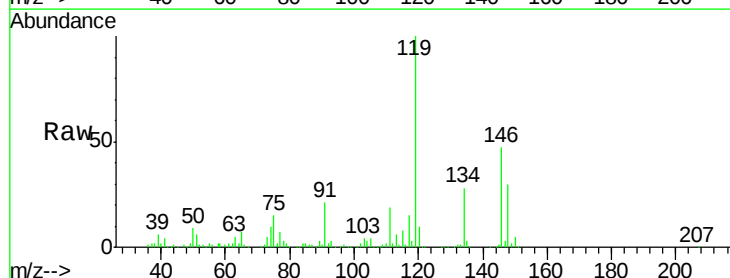
Manual Integrations
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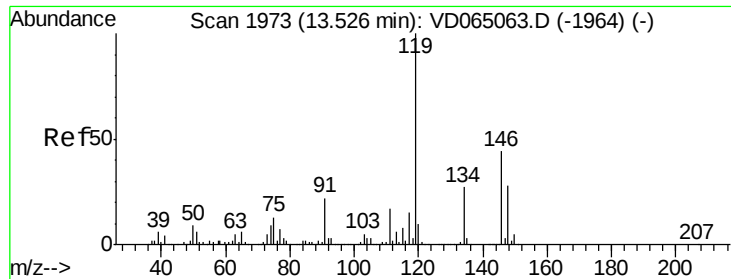
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#86
 p-Isopropyltoluene
 Concen: 21.270 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.5	40.5
91	23.0	11.3	33.9





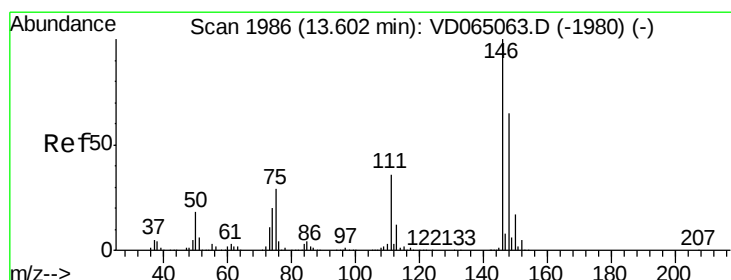
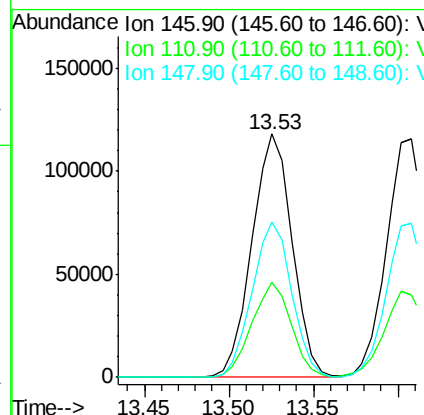
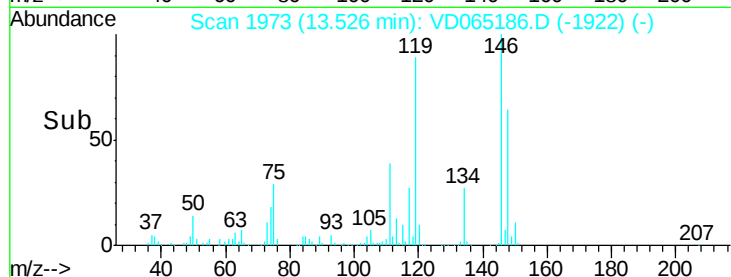
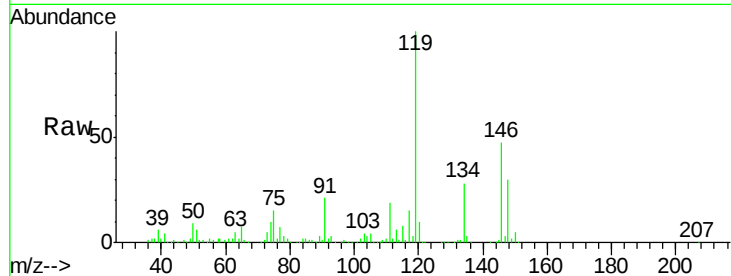
#87
 1,3-Dichlorobenzene
 Concen: 22.007 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0214SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	195740		
111	38.1	19.4	58.4	
148	62.9	32.3	96.8	

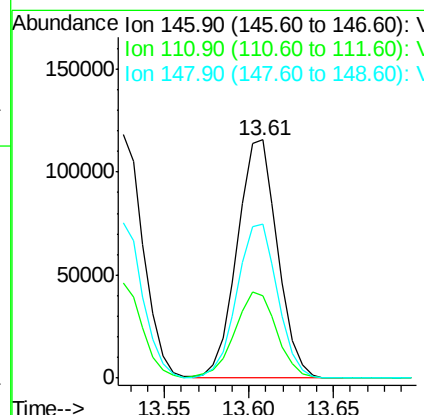
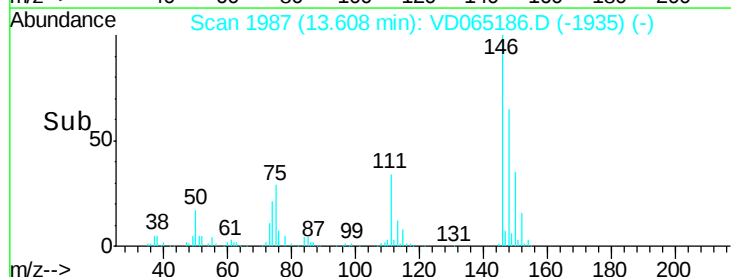
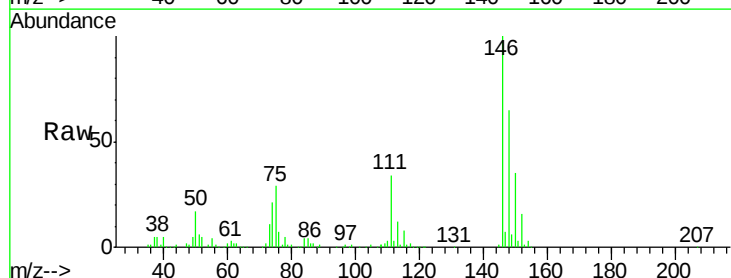
Manual Integrations
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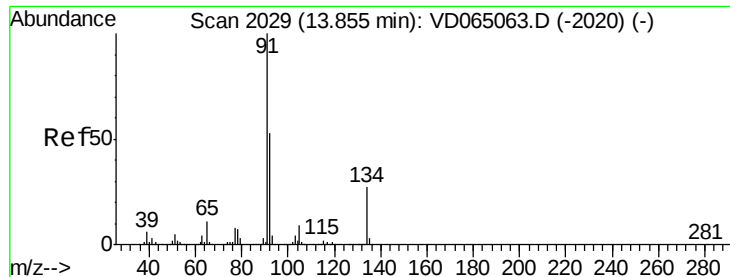
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 2/17/2020 10:34:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.719 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	192266		
111	37.5	18.5	55.5	
148	65.4	32.7	98.1	





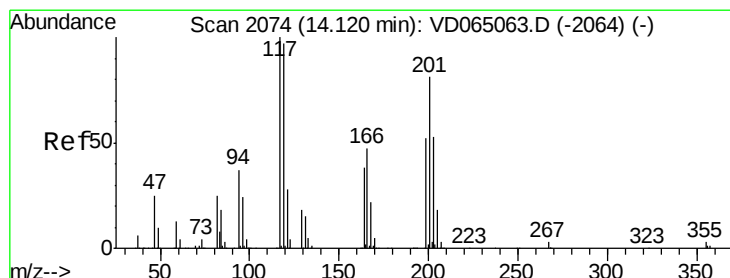
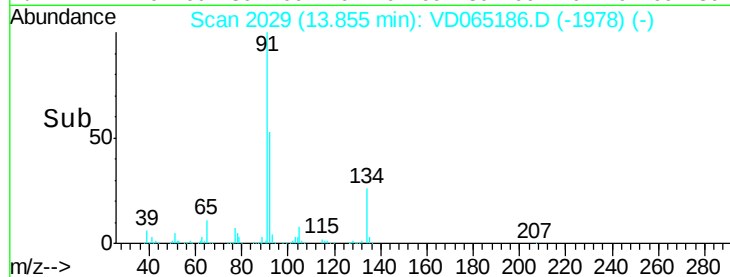
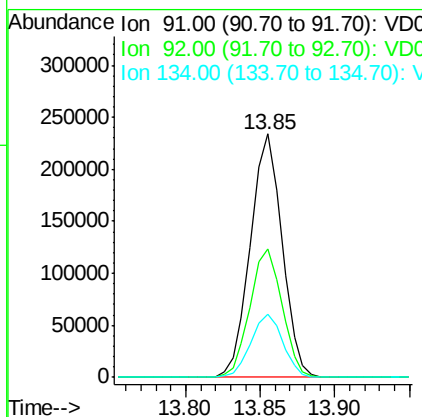
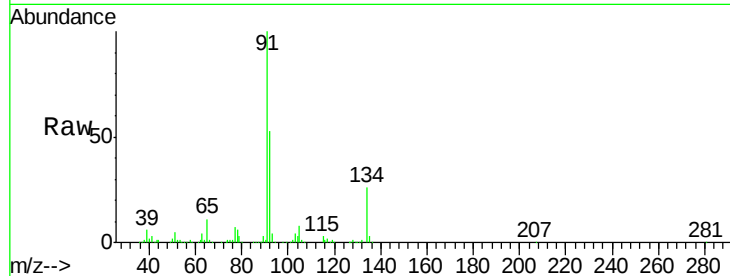
#89
n-Butylbenzene
Concen: 21.119 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.7	80.1
134	26.3	13.4	40.2

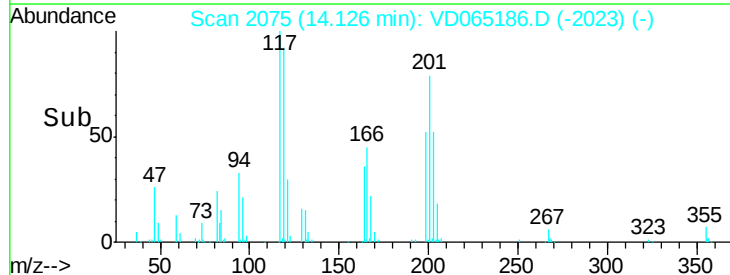
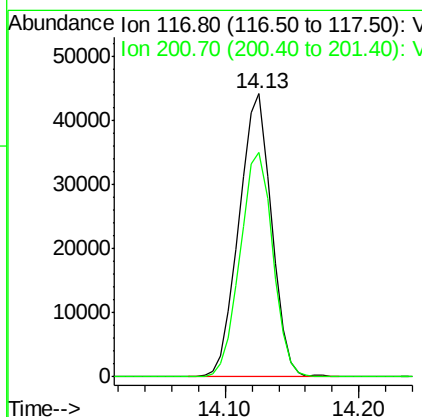
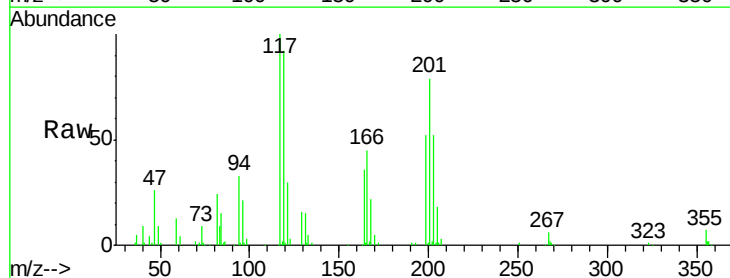
Manual Integrations
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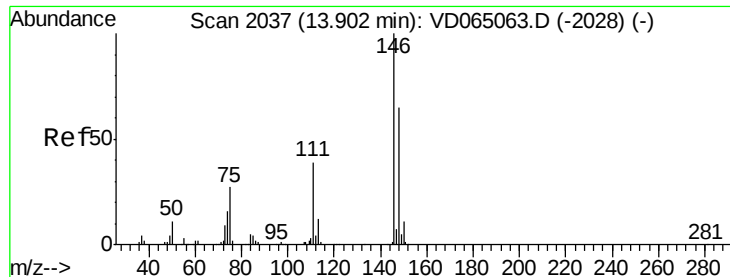
MMDadoda
2/17/2020 10:34:59 AM



#90
Hexachloroethane
Concen: 22.289 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	42.5	127.6





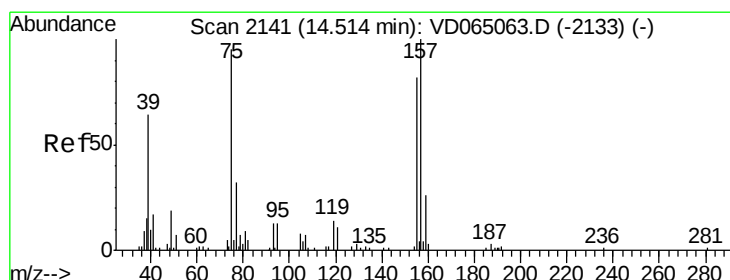
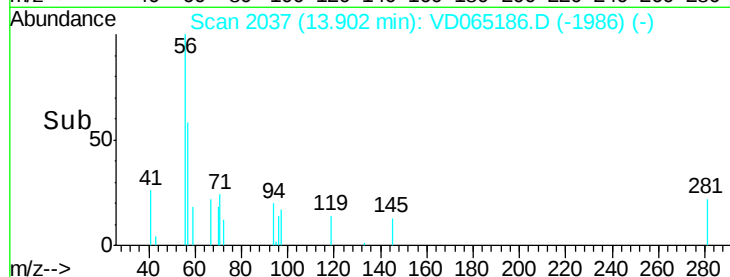
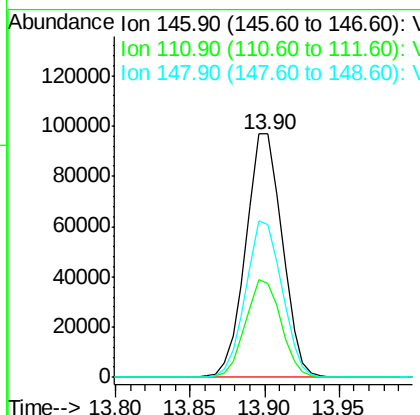
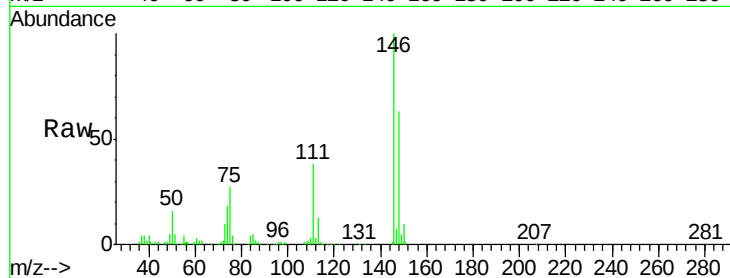
#91
 1,2-Dichlorobenzene
 Concen: 21.544 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0214SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	164134		
111	39.0	19.7	59.1	
148	64.1	31.9	95.5	

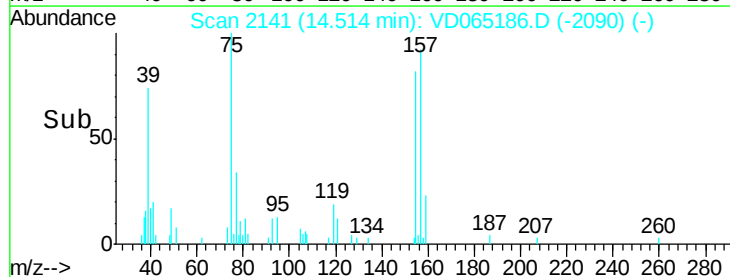
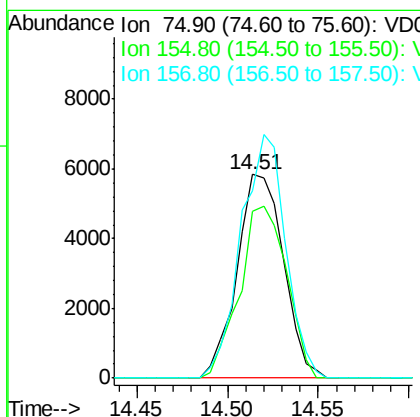
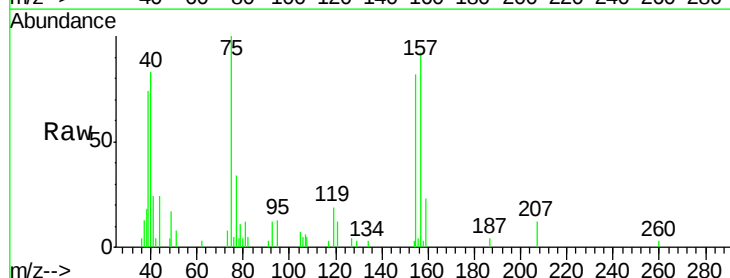
Manual Integrations
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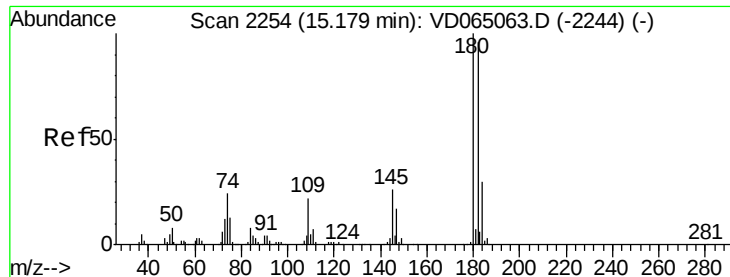
MMDadoda
 2/17/2020 10:34:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.615 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10443		
155	85.1	43.4	130.1	
157	114.5	55.8	167.3	





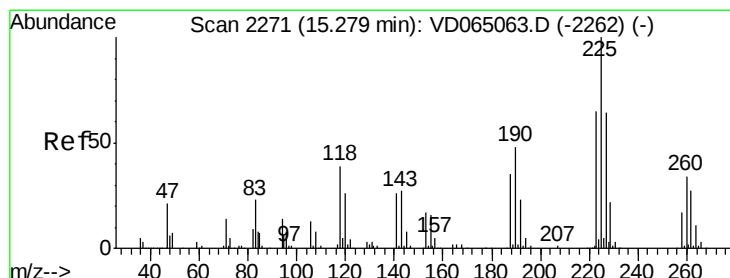
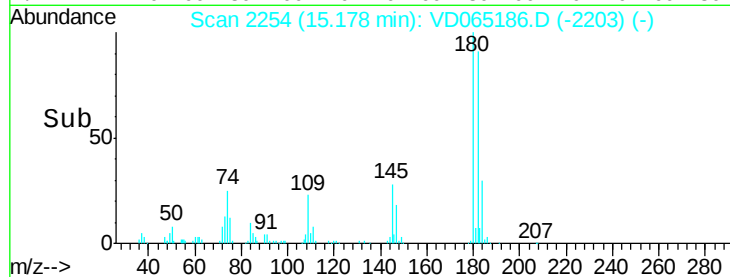
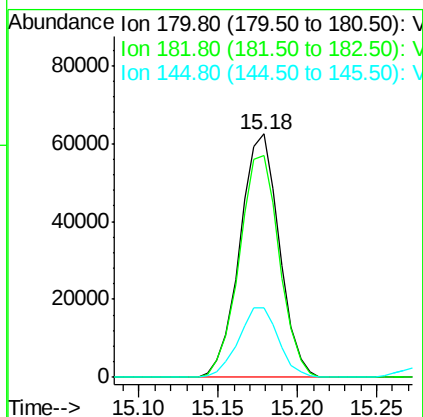
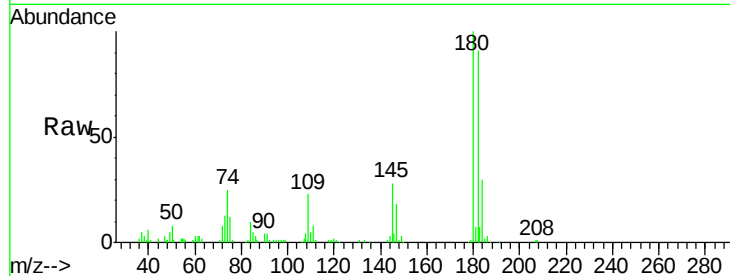
#93
 1,2,4-Trichlorobenzene
 Concen: 19.798 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0214SBS01

Tot Ion:	180	Resp:	107801
Ion Ratio	Lower	Upper	
180	100		
182	92.9	47.4	142.3
145	29.1	14.1	42.4

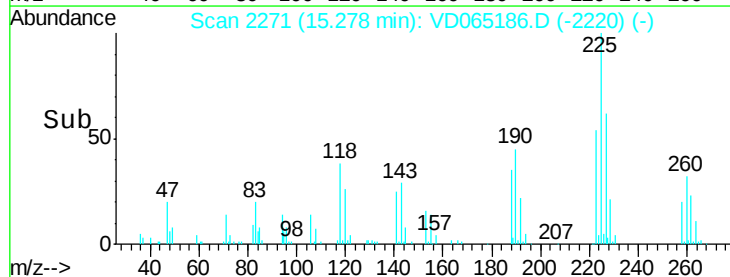
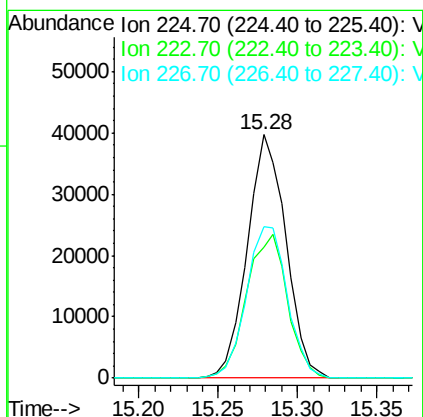
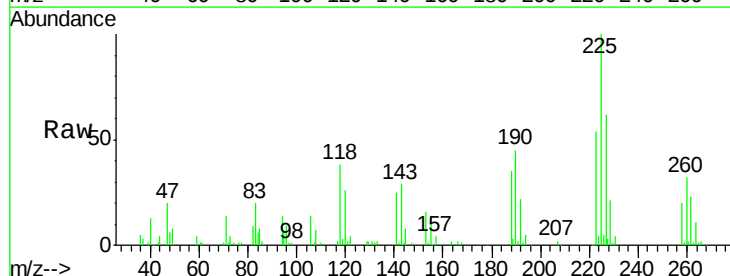
Manual Integrations
 APPROVED

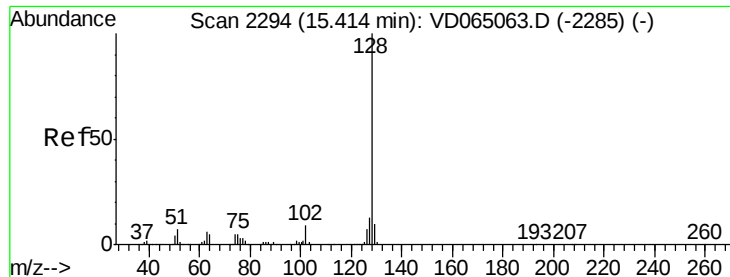
MMDadoda
 2/17/2020 10:34:59 AM



#94
 Hexachlorobutadiene
 Concen: 20.112 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065186.D
 Acq: 14 Feb 2020 14:25

Tgt Ion:	225	Resp:	67337
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.4	94.0
227	65.9	31.8	95.3





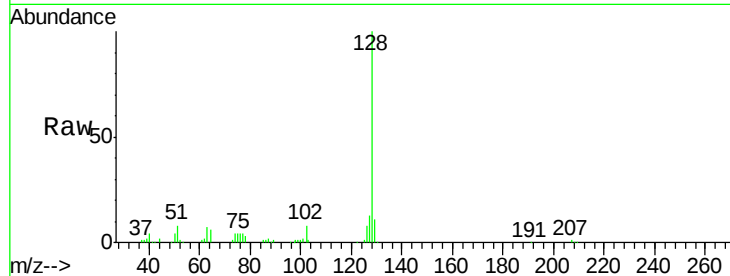
#95
Naphthalene
Concen: 17.973 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Instrument :
MSVOA_D
ClientSampleId :
VD0214SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	162658		
127	13.6		10.6	15.8
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/17/2020 10:34:59 AM

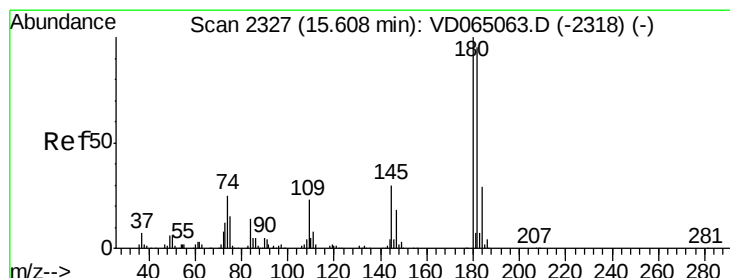
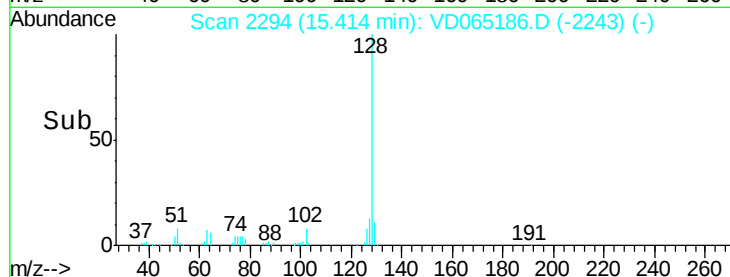
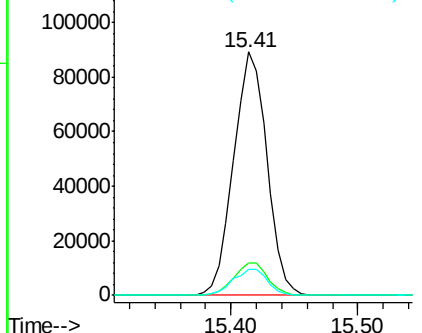


Abundance

Ion 128.00 (127.70 to 128.70): V

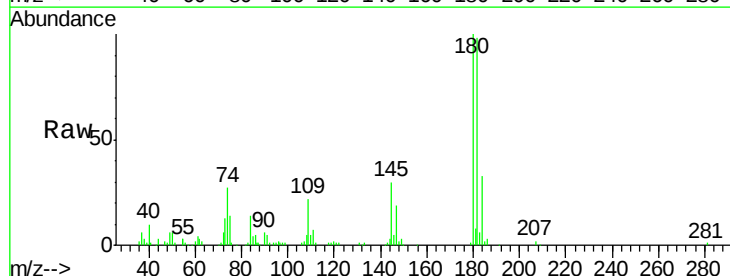
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.956 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065186.D
Acq: 14 Feb 2020 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	92947		
182	94.4		47.1	141.4
145	31.5		14.9	44.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

