

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021420\
 Data File : VD065184.D
 Acq On : 14 Feb 2020 10:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/17/2020 10:35:07 AM

Quant Time: Feb 15 00:14:53 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	442014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	645512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	579843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	199436	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	7.92	113	212307	58.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.90%	
50) Toluene-d8	10.34	98	831144	57.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.96%	
62) 4-Bromofluorobenzene	12.64	95	257932	56.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	171232	46.552	ug/l	99
3) Chloromethane	2.21	50	225537	52.088	ug/l	96
4) Vinyl Chloride	2.36	62	233744	51.045	ug/l	99
5) Bromomethane	2.78	94	144306	48.602	ug/l	98
6) Chloroethane	2.93	64	147414	51.897	ug/l	93
7) Trichlorofluoromethane	3.27	101	327377	49.125	ug/l	99
8) Diethyl Ether	3.71	74	92176	48.181	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	197178	48.400	ug/l	99
10) Methyl Iodide	4.30	142	229552	49.366	ug/l	98
11) Tert butyl alcohol	5.23	59	48134	209.705	ug/l	98
12) 1,1-Dichloroethene	4.07	96	190184	48.744	ug/l	97
13) Acrolein	3.93	56	52374	185.514	ug/l	97
14) Allyl chloride	4.71	41	326118	50.291	ug/l	97
15) Acrylonitrile	5.43	53	196619	235.079	ug/l	99
16) Acetone	4.16	43	245592	261.477	ug/l	99
17) Carbon Disulfide	4.40	76	636520	50.809	ug/l	97
18) Methyl Acetate	4.73	43	92657	47.217	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	404374	46.867	ug/l	96
20) Methylene Chloride	4.96	84	223451	54.375	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	230269	52.164	ug/l	95
22) Diisopropyl ether	6.37	45	652198	53.321	ug/l	99
23) Vinyl Acetate	6.31	43	1706562	250.317	ug/l	99
24) 1,1-Dichloroethane	6.27	63	393732	53.182	ug/l	98
25) 2-Butanone	7.22	43	277007	247.242	ug/l	96
26) 2,2-Dichloropropane	7.21	77	345331	52.039	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	242420	51.692	ug/l	100
28) Bromochloromethane	7.55	49	160249	57.100	ug/l	98
29) Tetrahydrofuran	7.57	42	157276	232.129	ug/l	98
30) Chloroform	7.71	83	395262	53.618	ug/l	94
31) Cyclohexane	7.98	56	342445	45.822	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	354145	51.573	ug/l	99
36) 1,1-Dichloropropene	8.11	75	318078	52.993	ug/l	99
37) Ethyl Acetate	7.30	43	114395	46.651	ug/l	98
38) Carbon Tetrachloride	8.10	117	317607	51.809	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	355636	48.002	ug/l	98
40) Benzene	8.36	78	897118	54.124	ug/l	98
41) Methacrylonitrile	7.53	41	76361m	56.524	ug/l	
42) 1,2-Dichloroethane	8.43	62	236568	50.090	ug/l	98
43) Isopropyl Acetate	8.46	43	210322	44.837	ug/l	96
44) Trichloroethene	9.11	130	246698	51.853	ug/l	99
45) 1,2-Dichloropropane	9.39	63	219908	55.336	ug/l	97
46) Dibromomethane	9.48	93	108124	51.776	ug/l	96
47) Bromodichloromethane	9.67	83	295990	53.793	ug/l	100
48) Methyl methacrylate	9.46	41	102286	45.315	ug/l	96
49) 1,4-Dioxane	9.47	88	24658	996.920	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	560044	242.561	ug/l	99
52) Toluene	10.41	92	577082	54.550	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	273953	51.136	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	339863	53.042	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	150541	52.556	ug/l	98
56) Ethyl methacrylate	10.67	69	180045	49.678	ug/l	97
57) 1,3-Dichloropropane	10.96	76	261603	51.938	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	274626	233.253	ug/l	98
59) 2-Hexanone	10.99	43	435540	266.314	ug/l	99
60) Dibromochloromethane	11.15	129	195573	52.714	ug/l	98
61) 1,2-Dibromoethane	11.25	107	141126	50.423	ug/l	99
64) Tetrachloroethene	10.88	164	206159	49.480	ug/l	97
65) Chlorobenzene	11.68	112	597927	53.315	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	219916	53.130	ug/l	99
67) Ethyl Benzene	11.75	91	1080745	53.041	ug/l	99
68) m/p-Xylenes	11.86	106	840453	108.072	ug/l	99
69) o-Xylene	12.19	106	371594	53.061	ug/l	100
70) Styrene	12.20	104	662128	54.399	ug/l	99
71) Bromoform	12.37	173	111991	50.266	ug/l #	100
73) Isopropylbenzene	12.48	105	1014536	51.431	ug/l	99
74) N-amyl acetate	12.30	43	194404	45.342	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	151099	48.670	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	105154m	48.326	ug/l	
77) Bromobenzene	12.77	156	237829	50.041	ug/l	98
78) n-propylbenzene	12.83	91	1223715	52.973	ug/l	98
79) 2-Chlorotoluene	12.91	91	662438	51.445	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	844657	52.340	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	50582	46.491	ug/l	98
82) 4-Chlorotoluene	13.01	91	707871	52.343	ug/l	100
83) tert-Butylbenzene	13.23	119	719412	51.672	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	835867	52.172	ug/l	100
85) sec-Butylbenzene	13.41	105	992397	52.188	ug/l	100
86) p-Isopropyltoluene	13.53	119	927302	52.485	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	464801	52.234	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	446707	50.438	ug/l	99
89) n-Butylbenzene	13.86	91	850819	52.174	ug/l	99
90) Hexachloroethane	14.13	117	176388	52.723	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	385426	50.569	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	23598	46.563	ug/l	97

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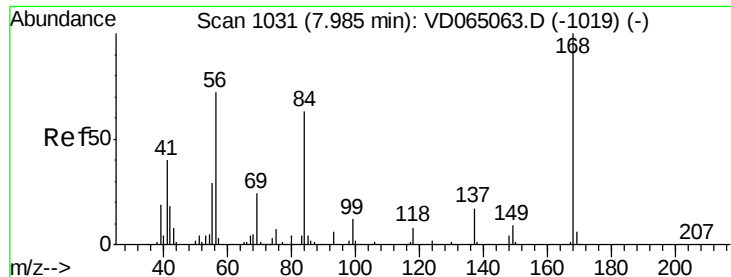
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	260036	47.734	ug/l	99
94) Hexachlorobutadiene	15.28	225	161940	48.346	ug/l	99
95) Naphthalene	15.42	128	393377	43.446	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	215028	46.147	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 442014

Ion Ratio Lower Upper

168 100

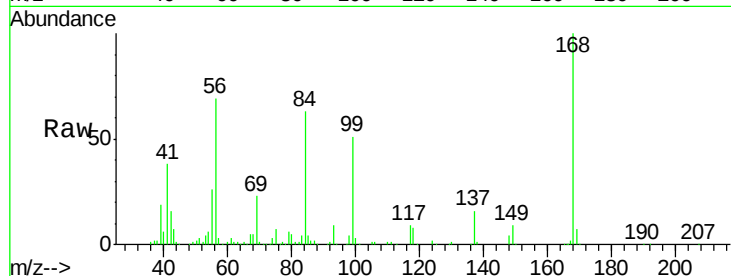
99 50.9 41.0 61.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

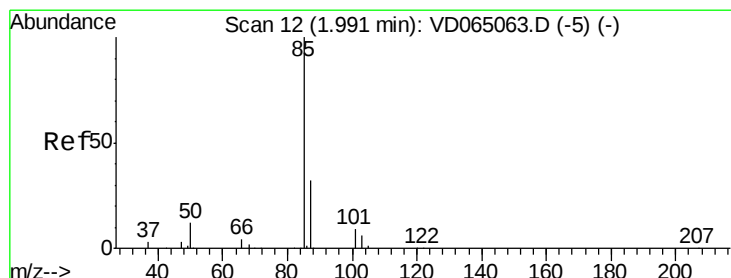
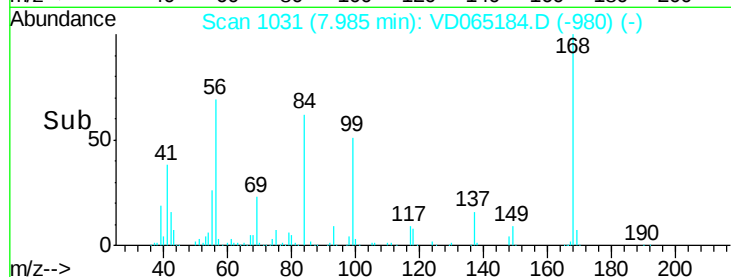
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.552 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065184.D

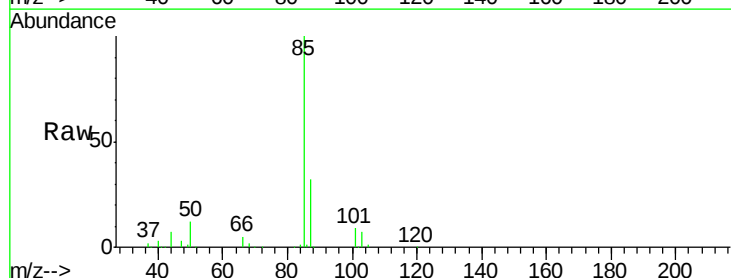
Acq: 14 Feb 2020 10:16

Tgt Ion: 85 Resp: 171232

Ion Ratio Lower Upper

85 100

87 32.0 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

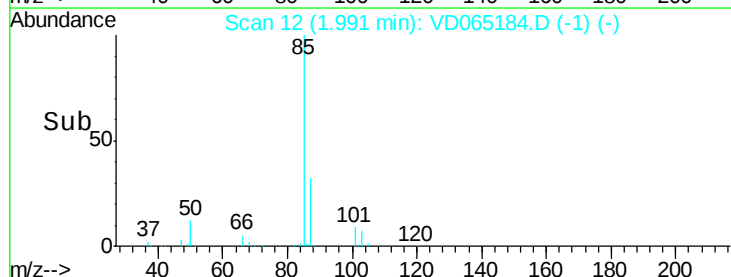
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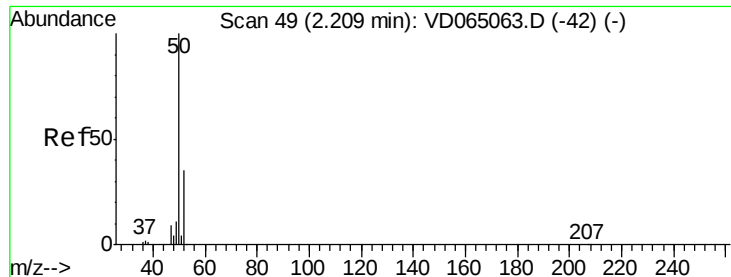
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 52.088 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 225537

Ion Ratio Lower Upper

50 100

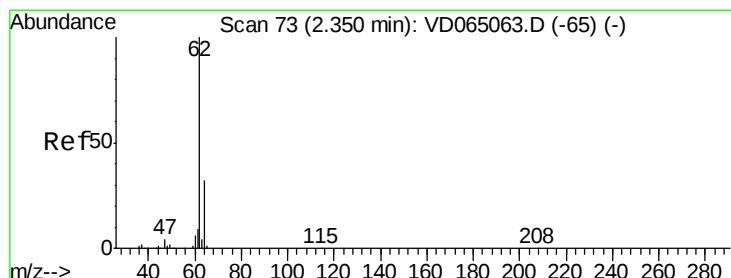
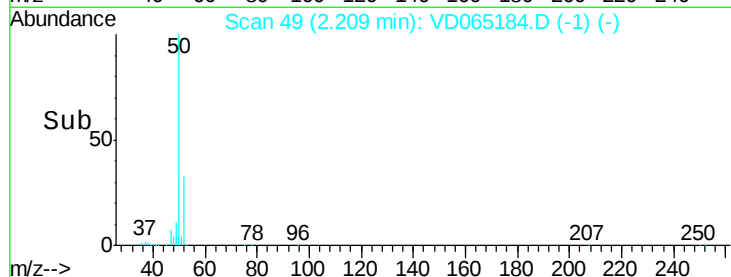
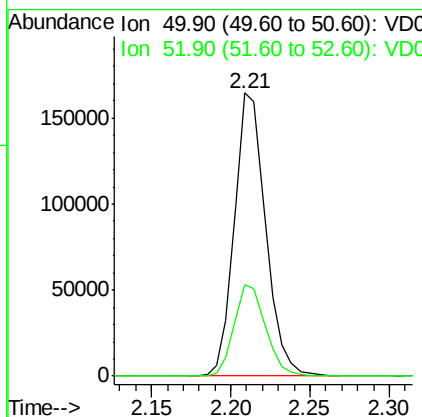
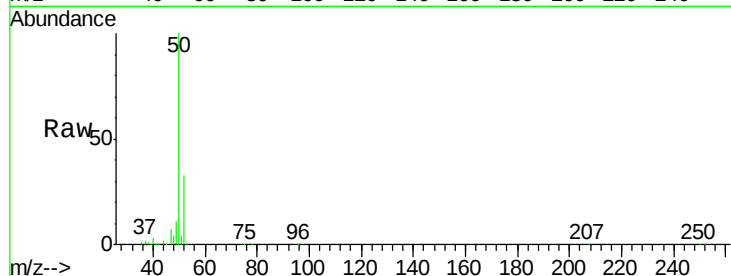
52 32.5 27.8 41.6

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#4

Vinyl Chloride

Concen: 51.045 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065184.D

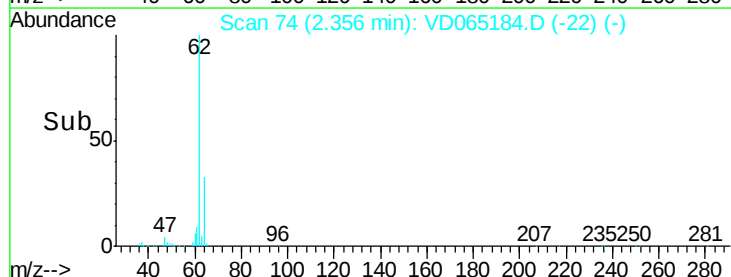
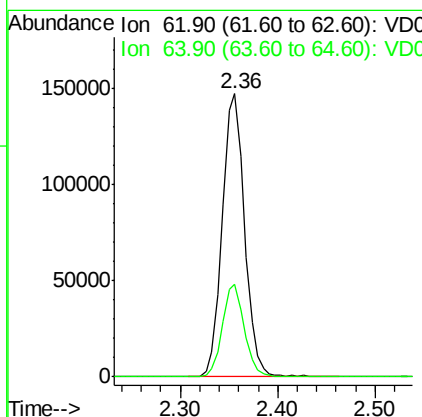
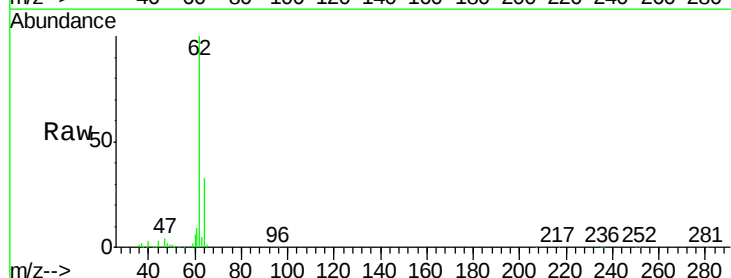
Acq: 14 Feb 2020 10:16

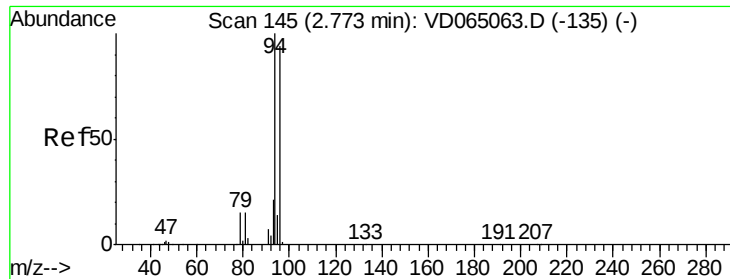
Tgt Ion: 62 Resp: 233744

Ion Ratio Lower Upper

62 100

64 32.9 25.9 38.9





#5

Bromomethane

Concen: 48.602 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 144306

Ion Ratio Lower Upper

94 100

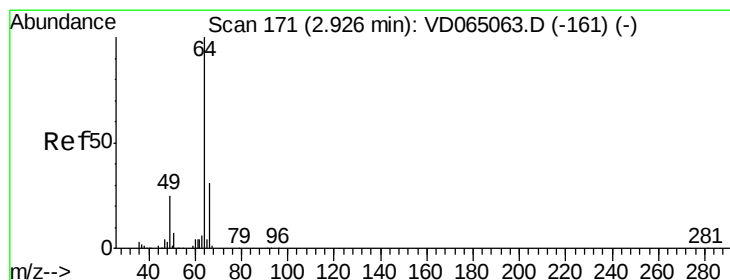
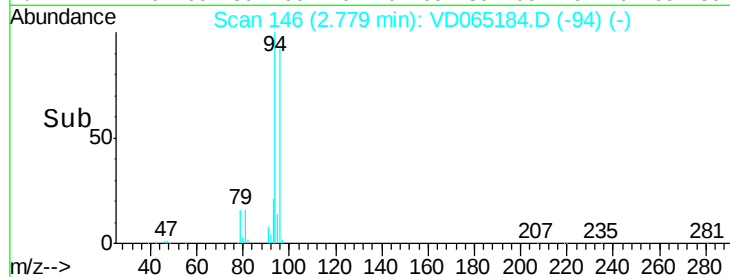
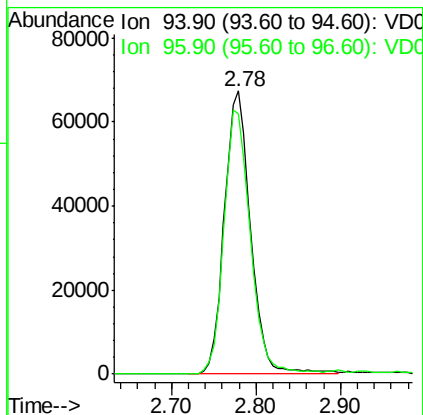
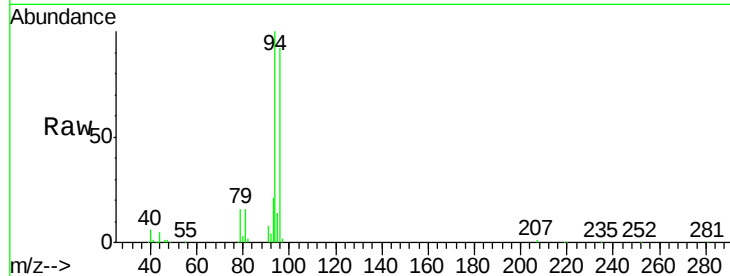
96 92.0 75.4 113.0

Manual Integrations

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2/17/2020 10:35:07 AM



#6

Chloroethane

Concen: 51.897 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065184.D

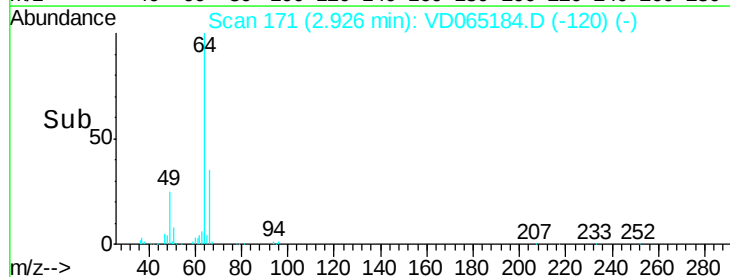
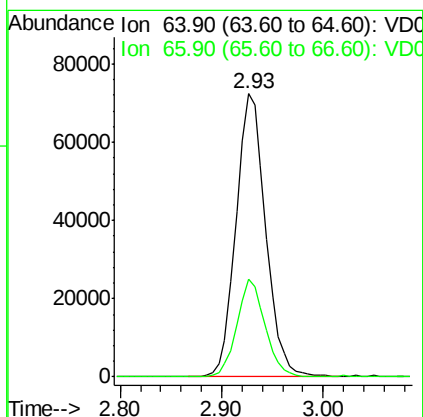
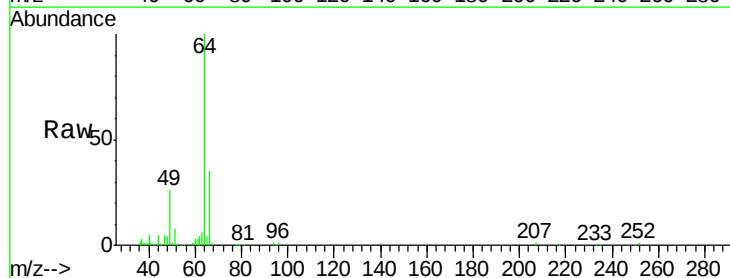
Acq: 14 Feb 2020 10:16

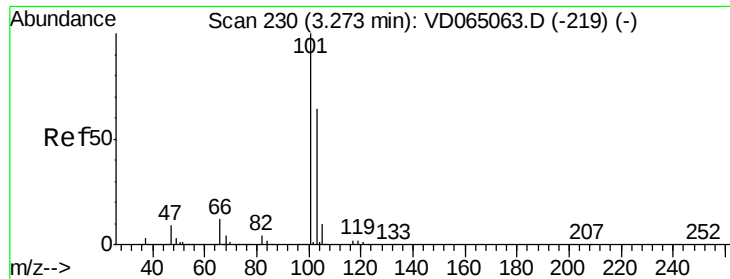
Tgt Ion: 64 Resp: 147414

Ion Ratio Lower Upper

64 100

66 34.6 24.8 37.2





#7

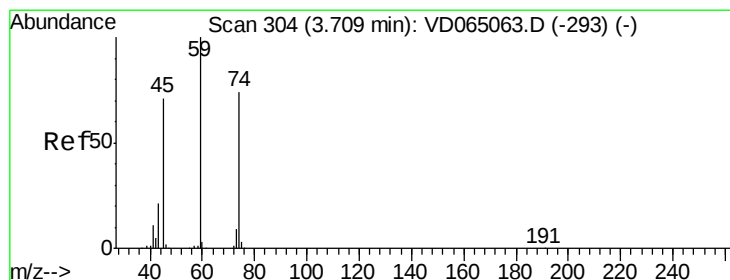
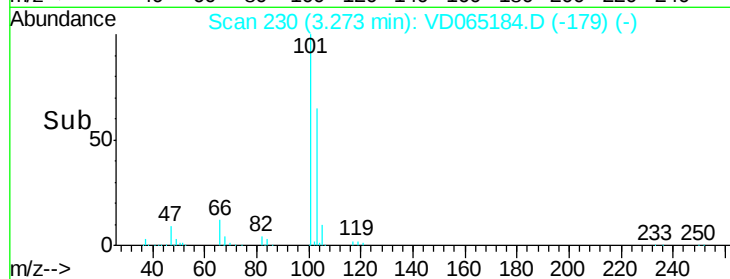
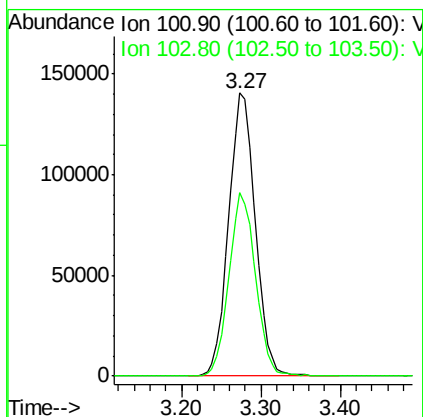
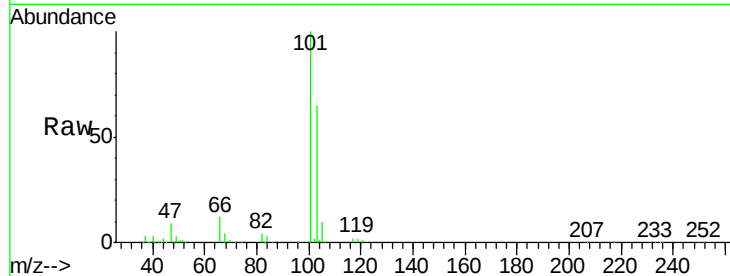
Trichlorofluoromethane
Concen: 49.125 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.0	76.6

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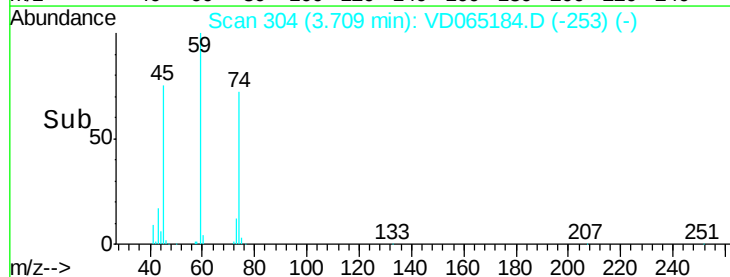
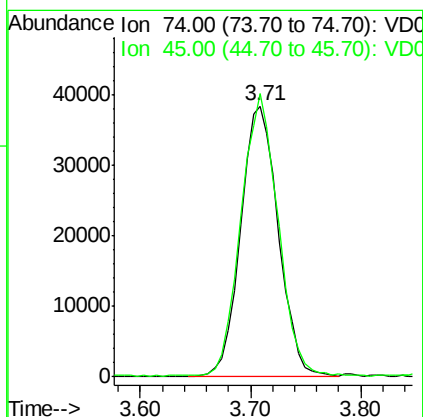
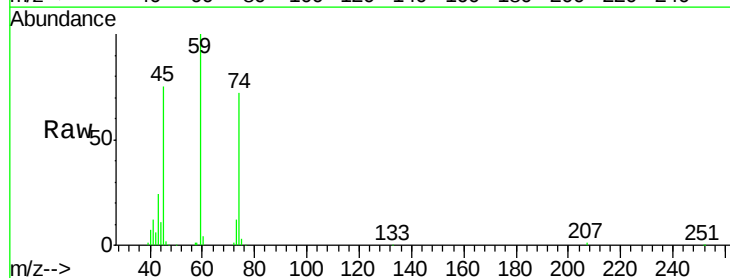
MMDadoda
2/17/2020 10:35:07 AM

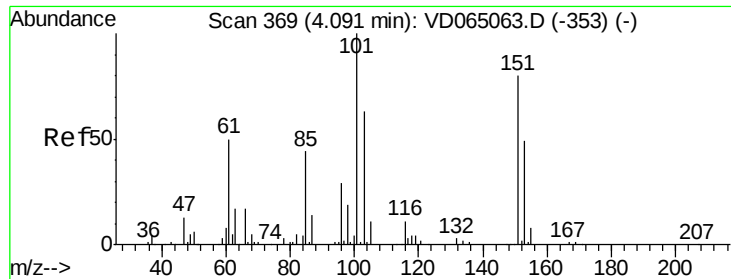


#8

Diethyl Ether
Concen: 48.181 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.6	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.400 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

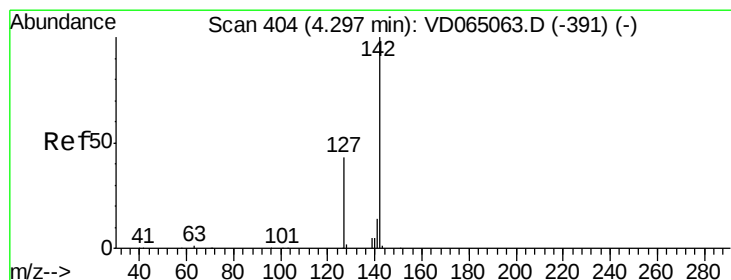
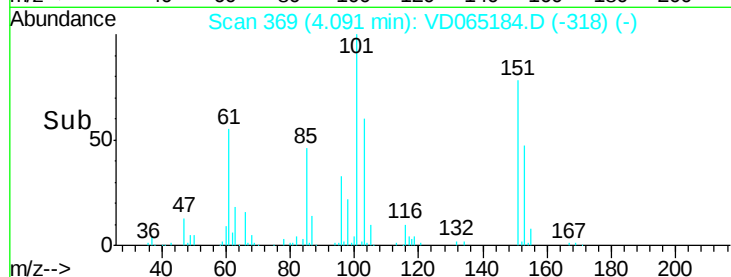
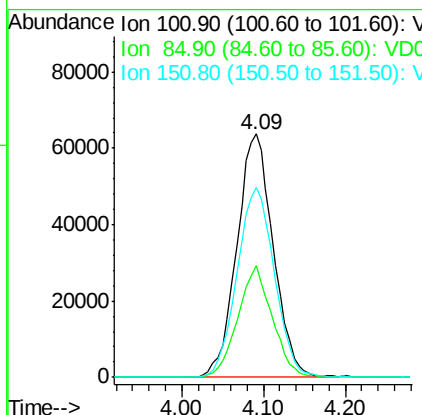
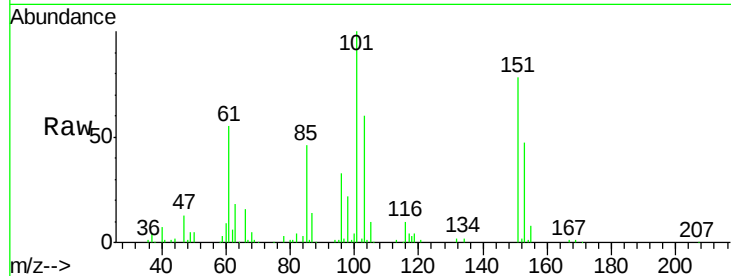
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	197178
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.0	51.0
151	80.2	64.0	96.0

Manual Integrations
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2/17/2020 10:35:07 AM



#10

Methyl Iodide

Concen: 49.366 ug/l

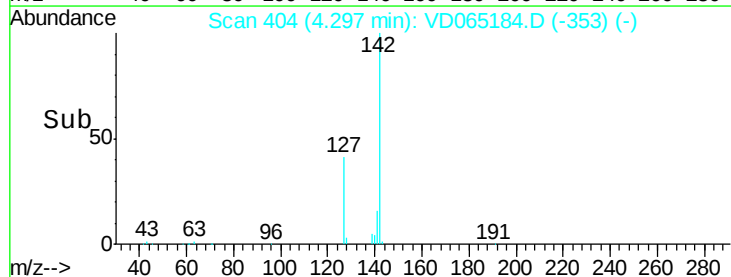
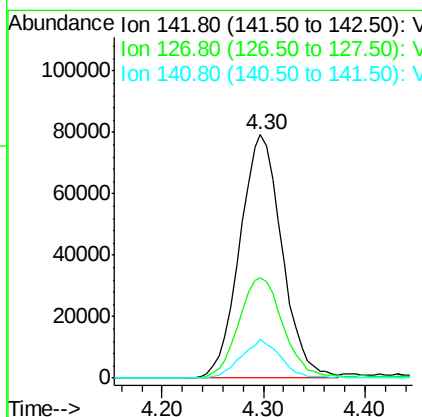
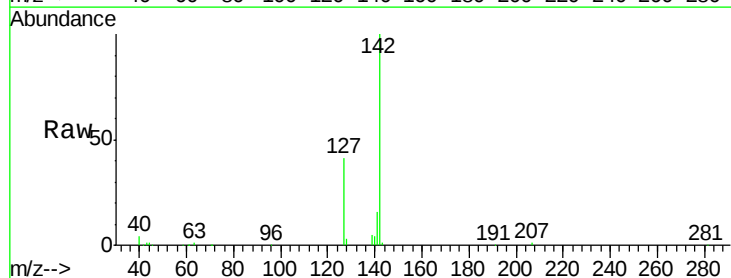
RT: 4.30 min Scan# 404

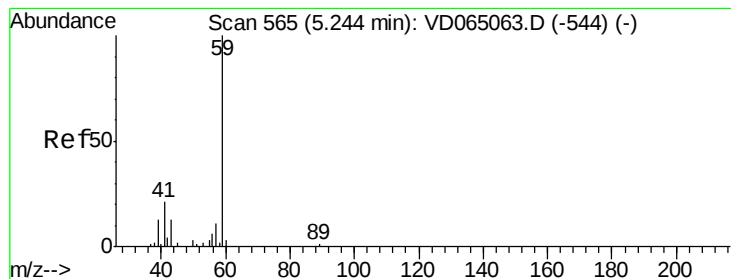
Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Tgt Ion:	142	Resp:	229552
Ion Ratio	Lower	Upper	
142	100		
127	43.6	34.0	51.0
141	15.0	11.6	17.4





#11

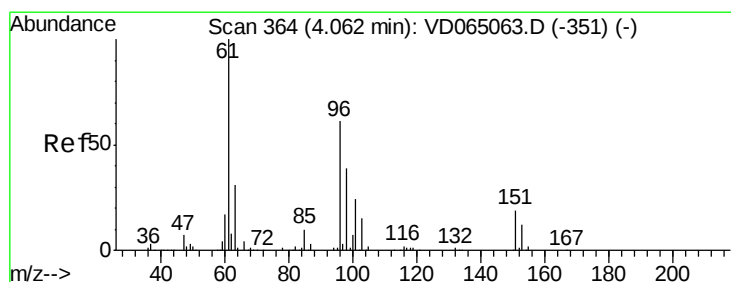
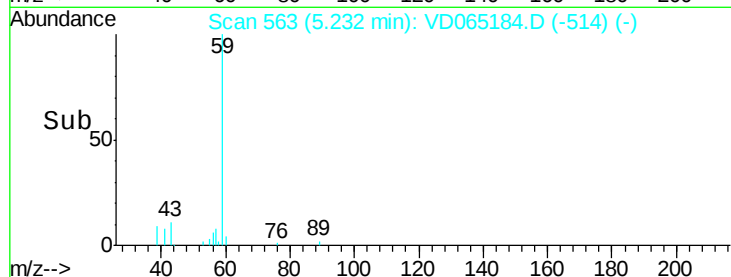
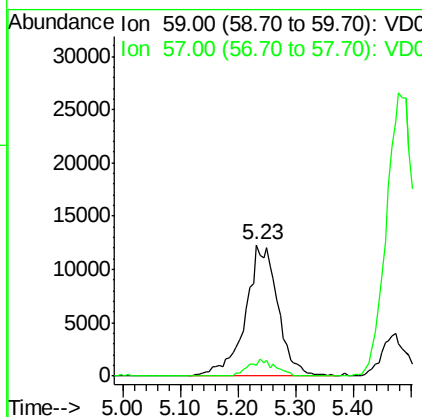
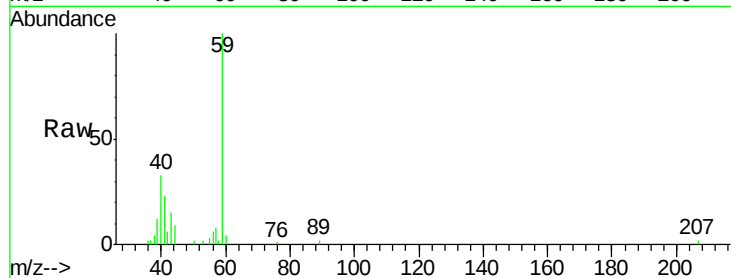
Tert butyl alcohol
Concen: 209.705 ug/l
RT: 5.23 min Scan# 563
Delta R.T. -0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	48134
Ion Ratio	100	Lower	Upper
57	10.2	8.8	13.2

Manual Integrations
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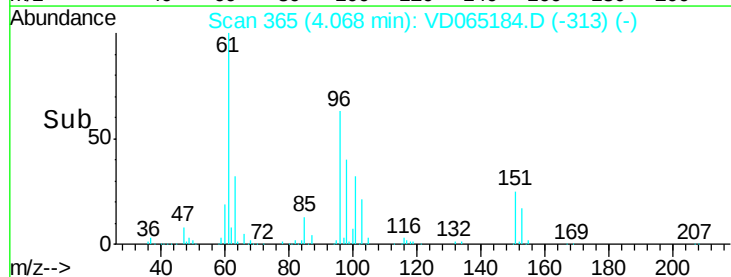
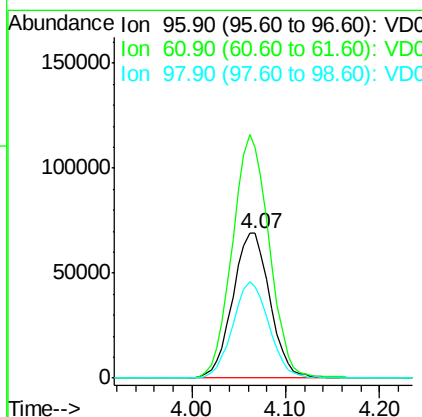
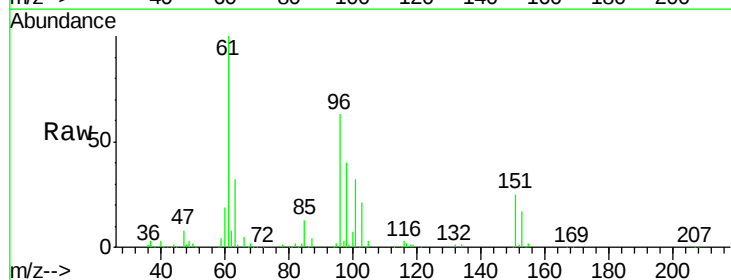
MMDadoda
2/17/2020 10:35:07 AM

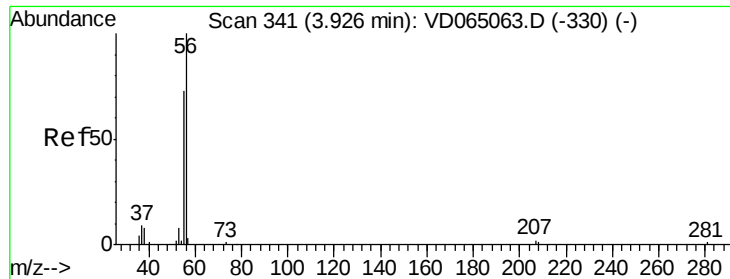


#12

1,1-Dichloroethene
Concen: 48.744 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	96	Resp	190184
Ion Ratio	100	Lower	Upper
61	159.0	131.4	197.2
98	63.3	51.1	76.7





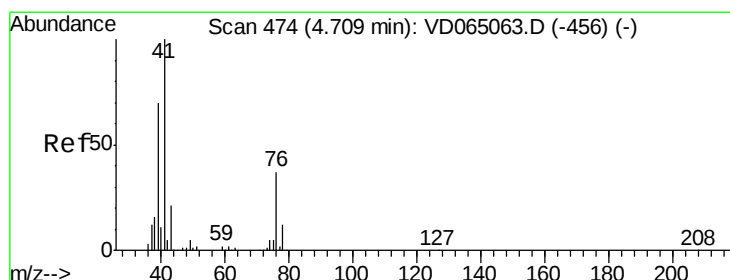
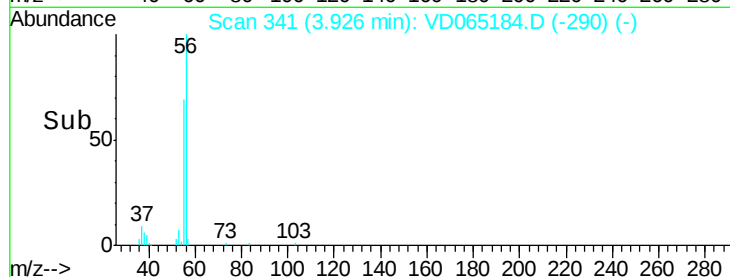
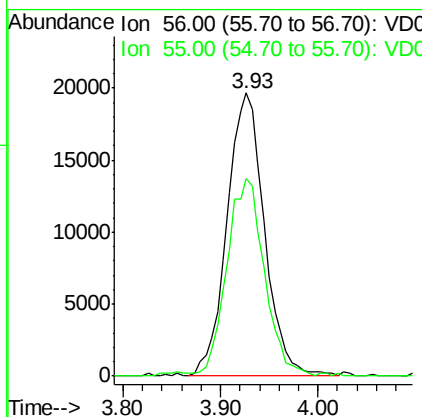
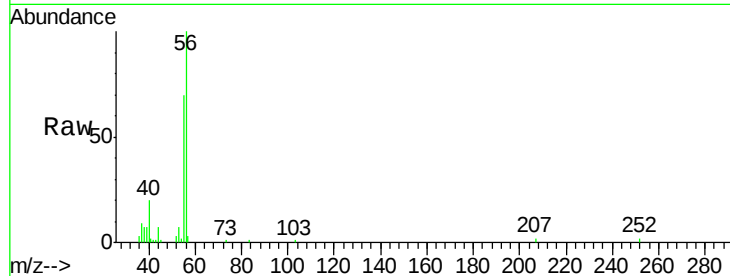
#13
Acrolein
Concen: 185.514 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	52374
Ion Ratio	100	Lower	Upper
55	70.0	58.2	87.2

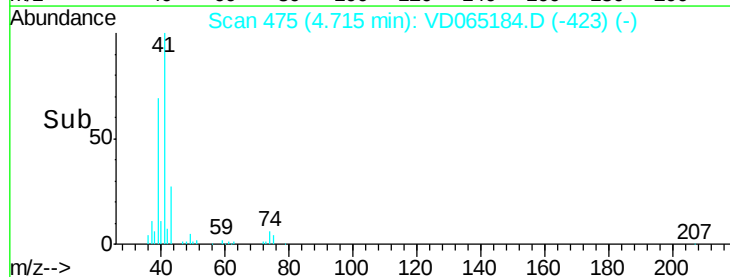
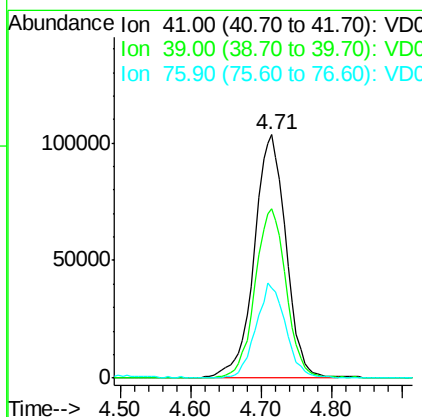
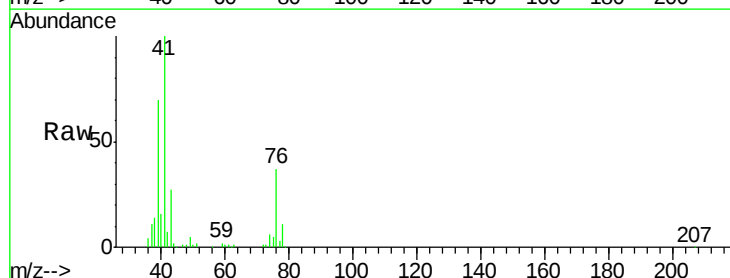
Manual Integrations
APPROVED

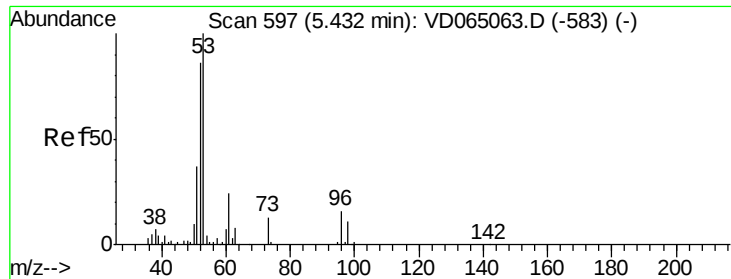
MMDadoda
2/17/2020 10:35:07 AM



#14
Allyl chloride
Concen: 50.291 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	41	Resp	326118
Ion Ratio	100	Lower	Upper
39	68.2	57.1	85.7
76	36.5	28.0	42.0





#15

Acrylonitrile

Concen: 235.079 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

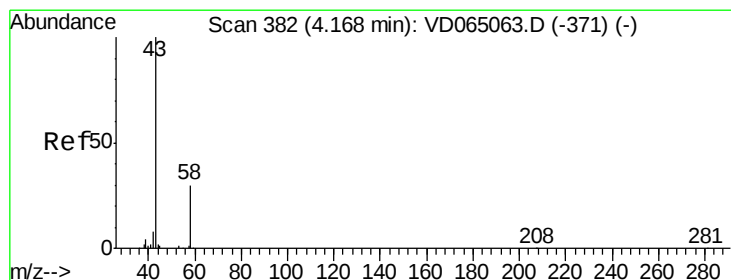
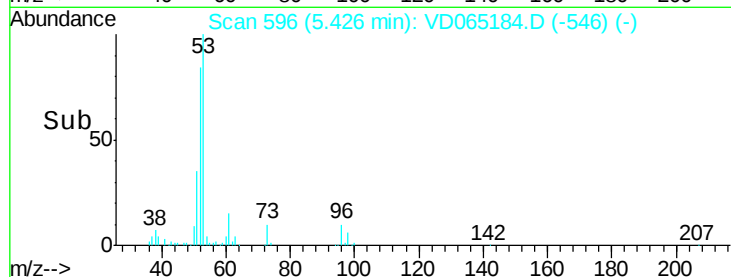
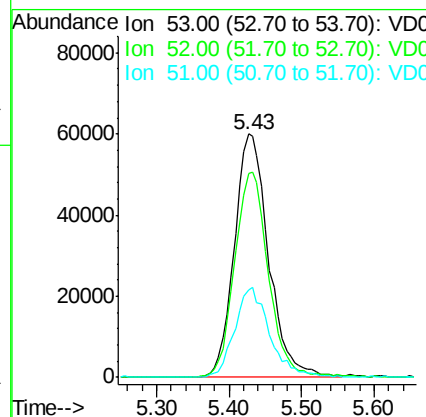
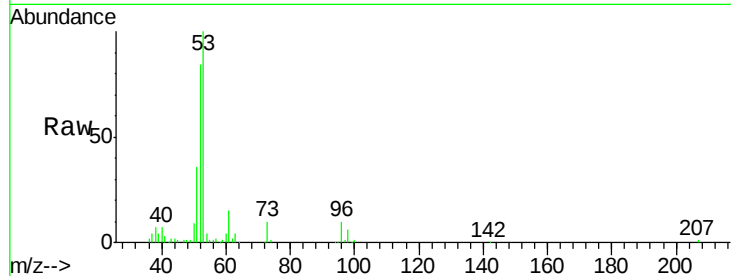
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	196619
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.2	99.2
51	37.8	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 261.477 ug/l

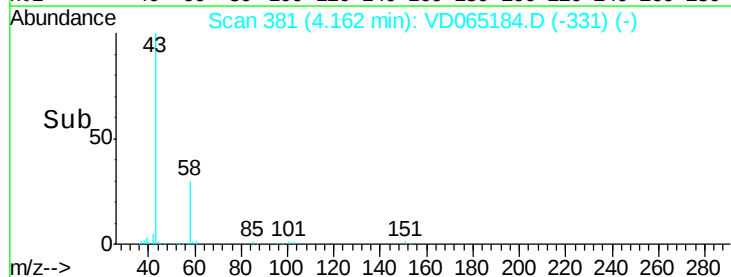
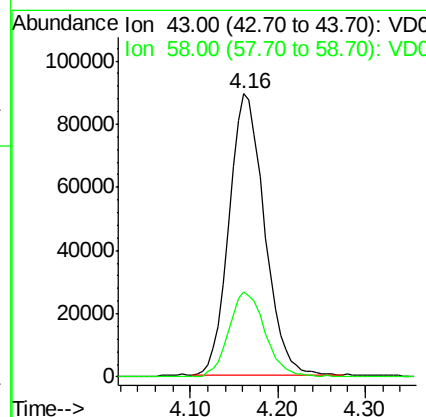
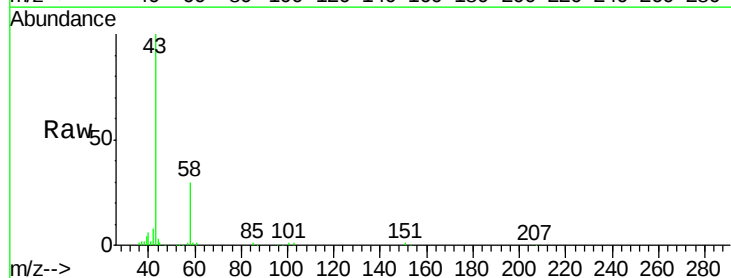
RT: 4.16 min Scan# 381

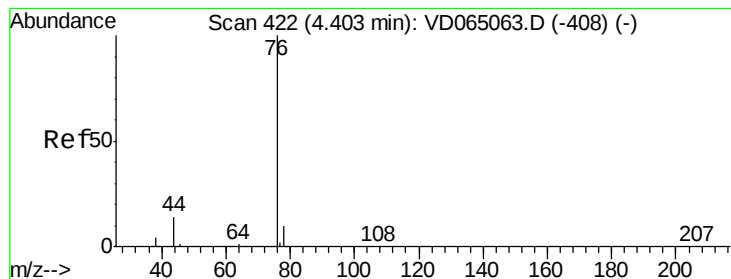
Delta R.T. -0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Tgt Ion:	43	Resp:	245592
Ion Ratio	Lower	Upper	
43	100		
58	30.1	23.5	35.3





#17

Carbon Disulfide

Concen: 50.809 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 636520

Ion Ratio Lower Upper

76 100

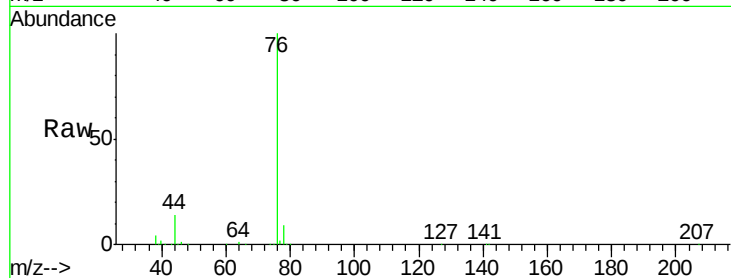
78 8.6 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

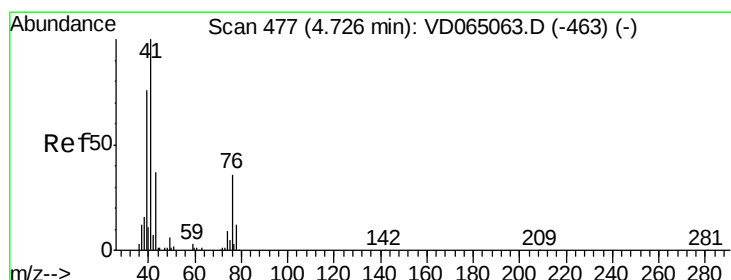
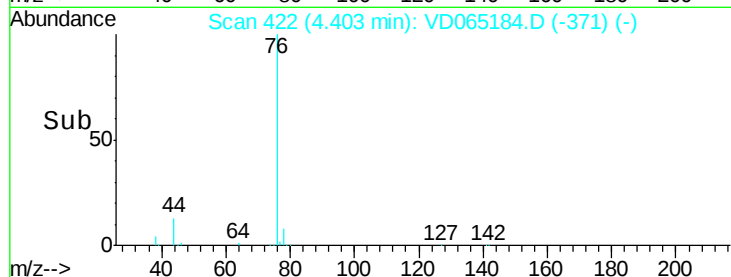
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.217 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065184.D

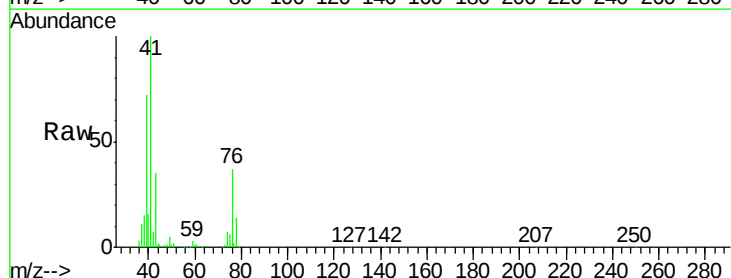
Acq: 14 Feb 2020 10:16

Tgt Ion: 43 Resp: 92657

Ion Ratio Lower Upper

43 100

74 23.6 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

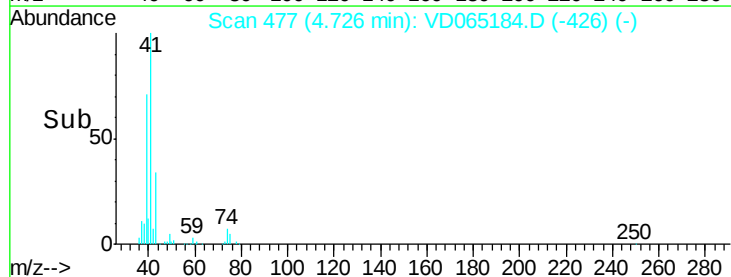
30000

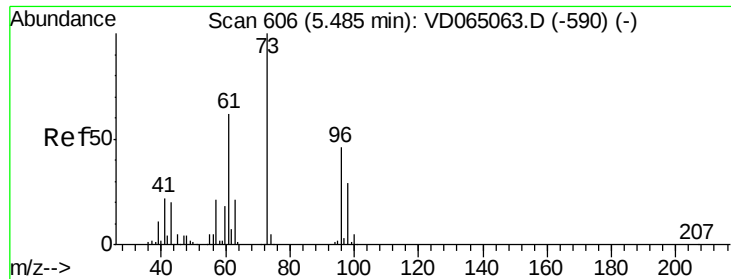
20000

10000

0

Time-->





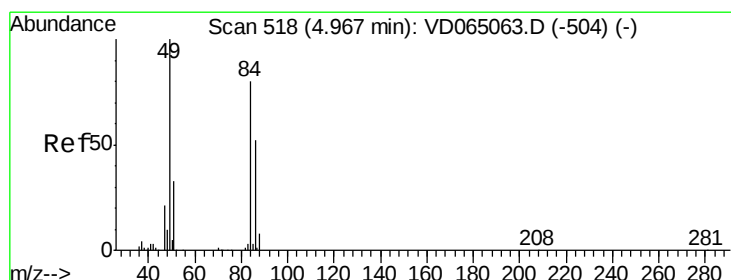
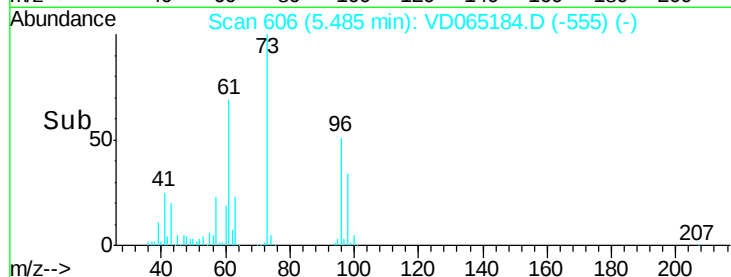
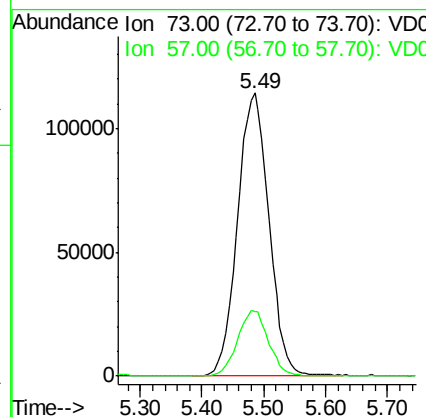
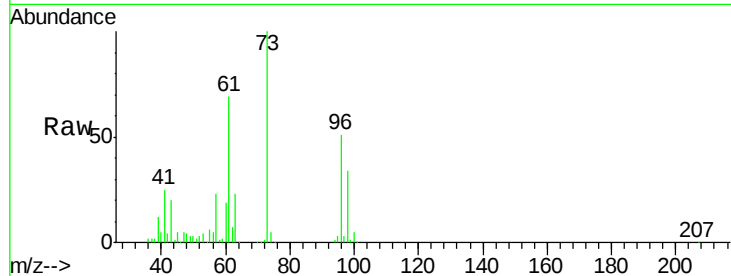
#19
Methyl tert-butyl Ether
Concen: 46.867 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 73 Resp: 404374
Ion Ratio Lower Upper
73 100
57 22.9 16.8 25.2

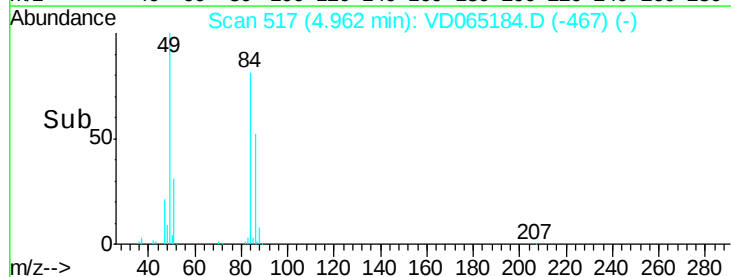
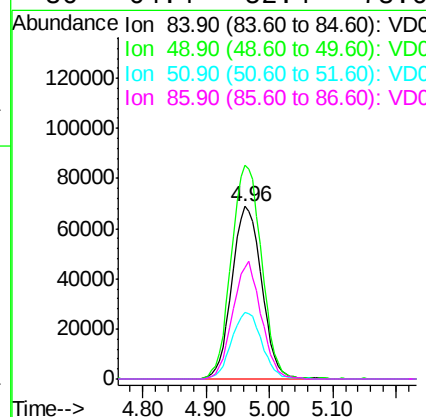
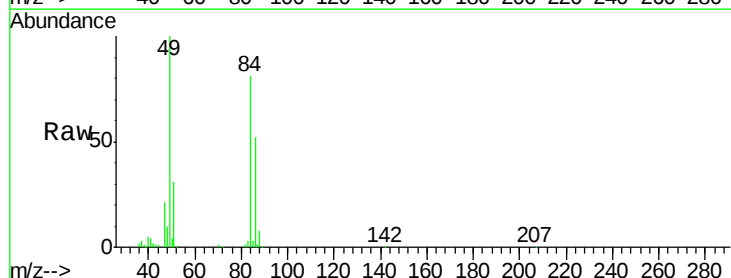
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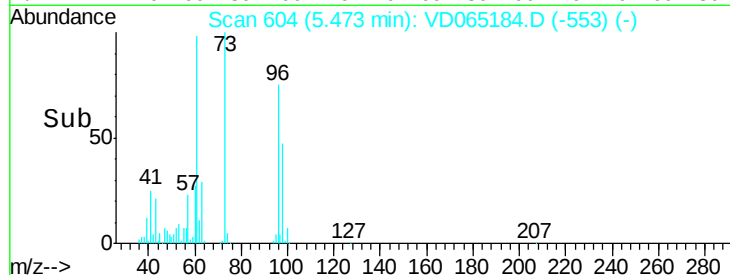
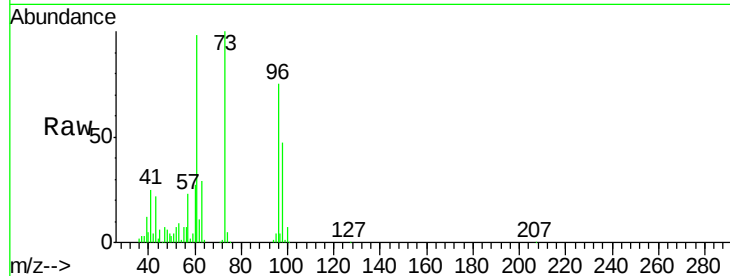
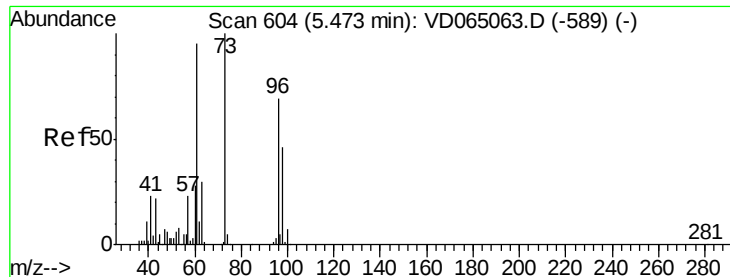
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#20
Methylene Chloride
Concen: 54.375 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion: 84 Resp: 223451
Ion Ratio Lower Upper
84 100
49 123.8 100.4 150.6
51 38.6 32.7 49.1
86 64.4 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 52.164 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Tot Ion:	96	Resp:	230269
Ion	Ratio	Lower	Upper
96	100		
61	131.5	109.5	164.3
98	63.3	53.7	80.5

Instrument :

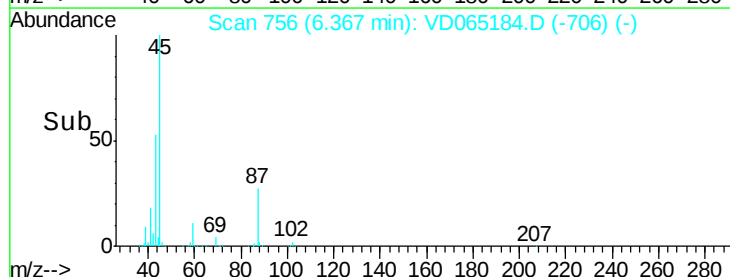
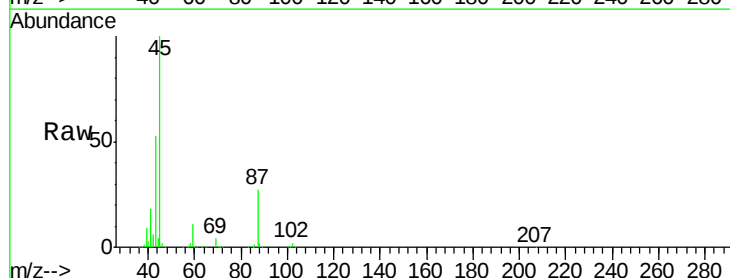
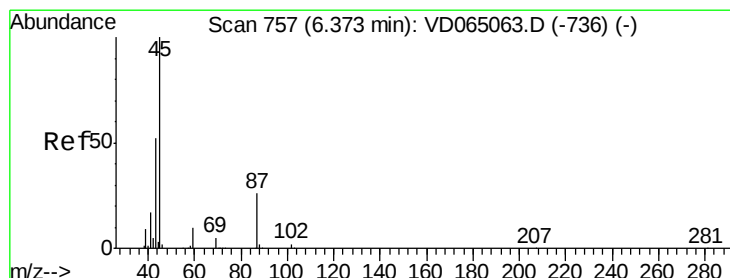
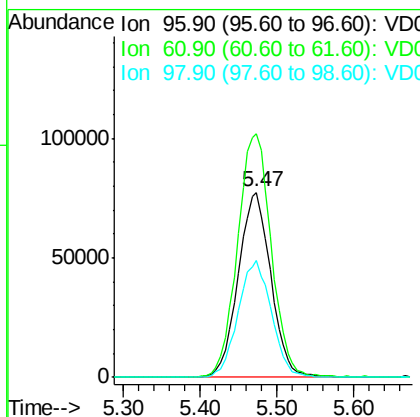
MSVOA_D

ClientSampleId :

VSTDCCC050

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#22

Diisopropyl ether

Concen: 53.321 ug/l

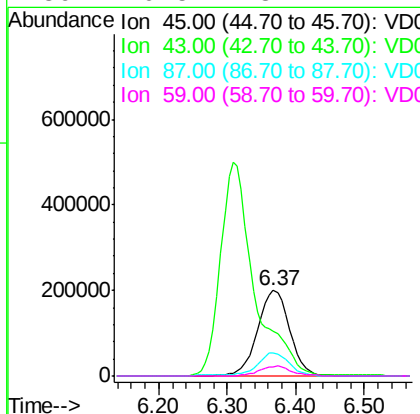
RT: 6.37 min Scan# 756

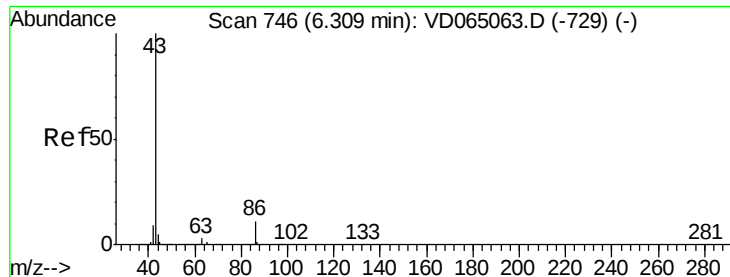
Delta R.T. -0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Tgt Ion:	45	Resp:	652198
Ion	Ratio	Lower	Upper
45	100		
43	52.5	41.3	61.9
87	27.1	21.0	31.6
59	10.5	8.2	12.4





#23

Vinyl Acetate

Concen: 250.317 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 1706562

Ion Ratio Lower Upper

43 100

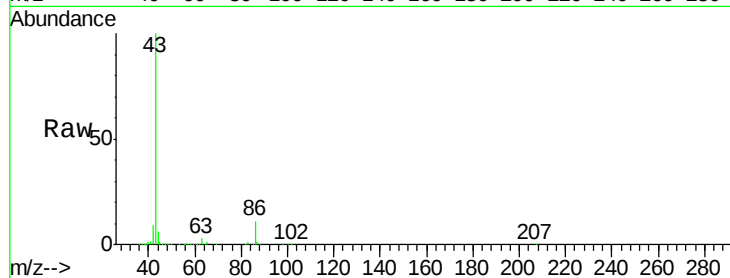
86 10.8 8.5 12.7

Manual Integrations

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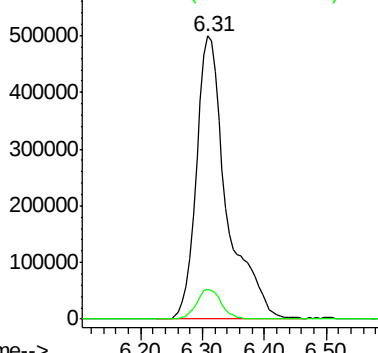
MMDadoda

2/17/2020 10:35:07 AM

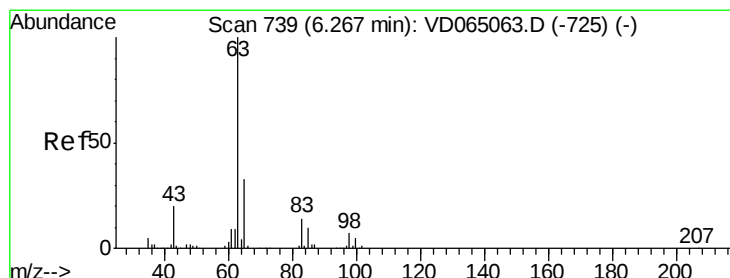
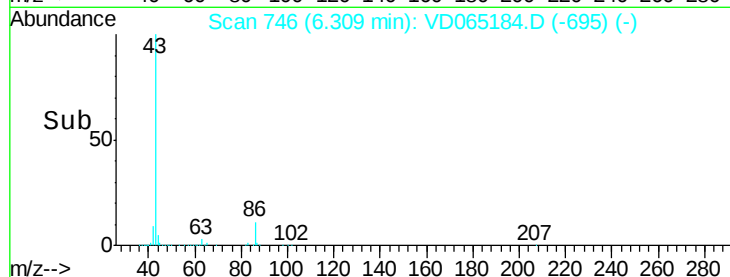


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 53.182 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

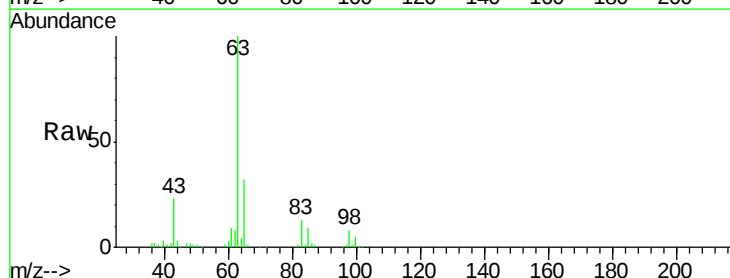
Tgt Ion: 63 Resp: 393732

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.4

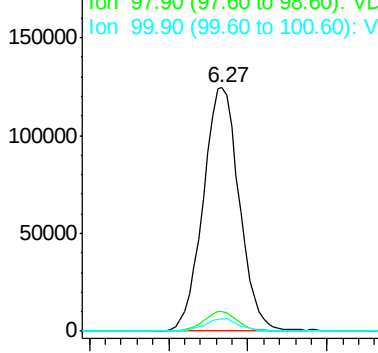
100 4.8 2.5 7.6



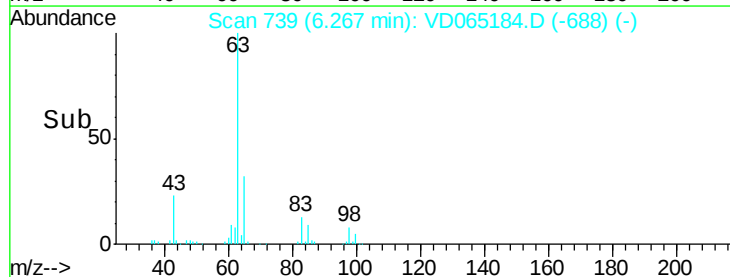
Abundance Ion 62.90 (62.60 to 63.60): VDC

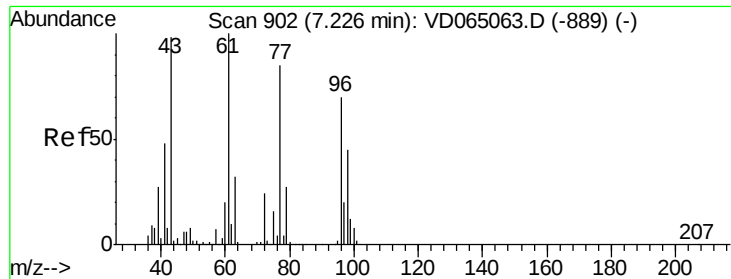
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 247.242 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 277007

Ion Ratio Lower Upper

43 100

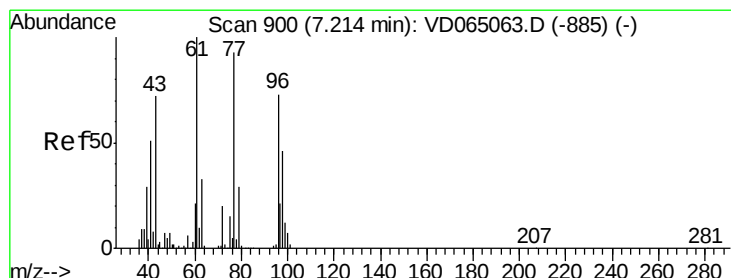
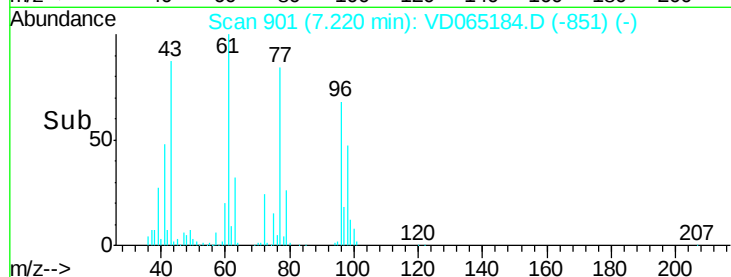
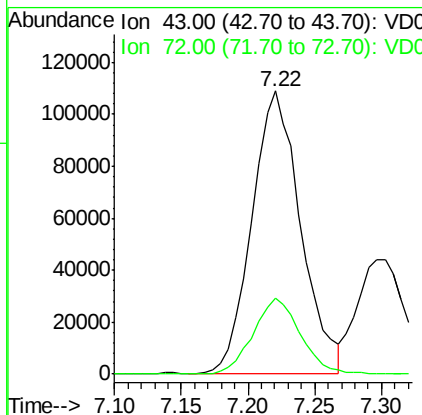
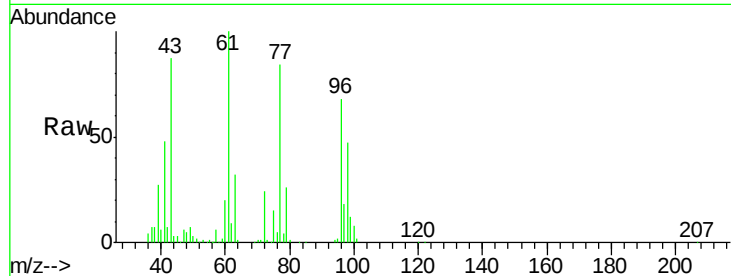
72 27.0 19.9 29.9

Manual Integrations

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MMDadoda

2/17/2020 10:35:07 AM



#26

2,2-Dichloropropane

Concen: 52.039 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065184.D

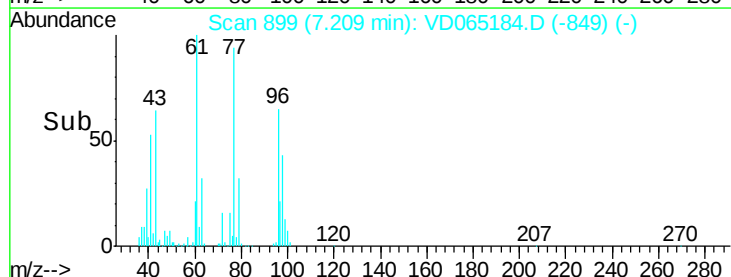
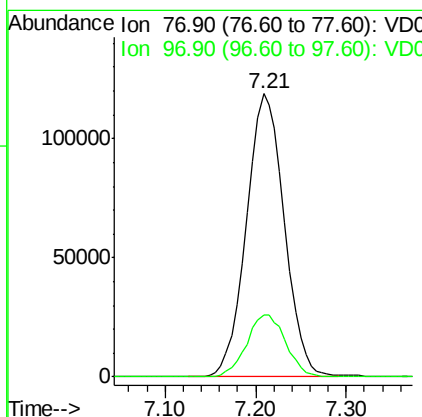
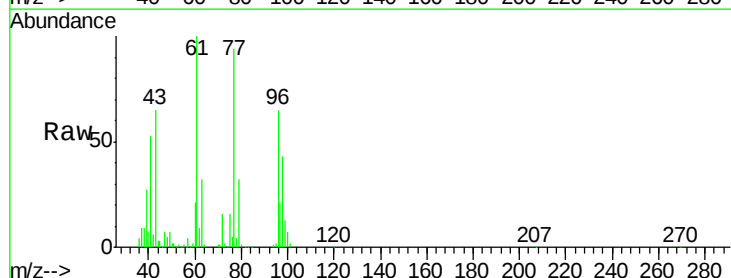
Acq: 14 Feb 2020 10:16

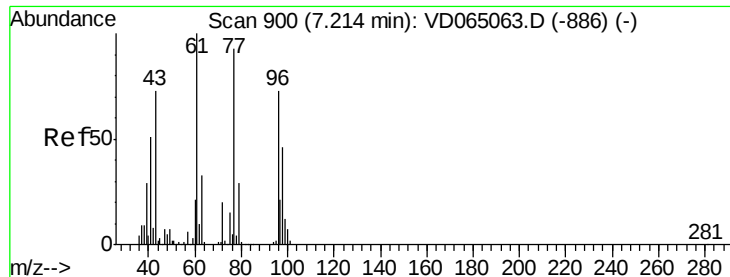
Tgt Ion: 77 Resp: 345331

Ion Ratio Lower Upper

77 100

97 22.6 10.9 32.6





#27

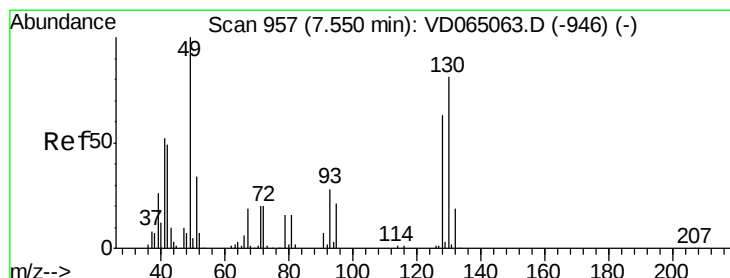
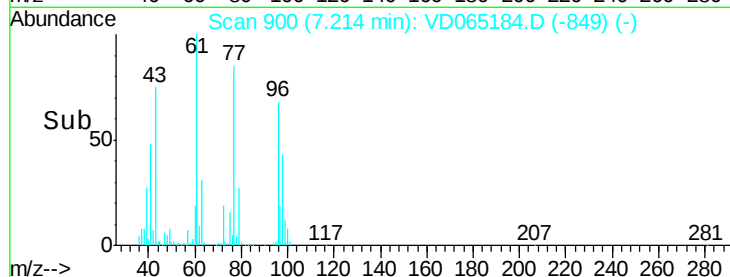
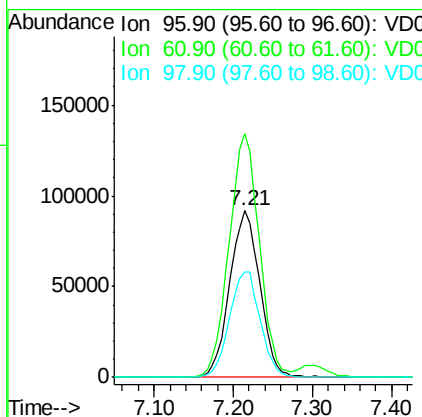
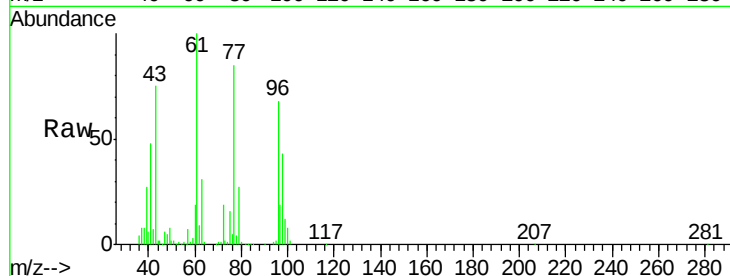
cis-1,2-Dichloroethene
 Concen: 51.692 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	292.8
98	64.4	0.0	128.8

Manual Integrations
 APPROVED

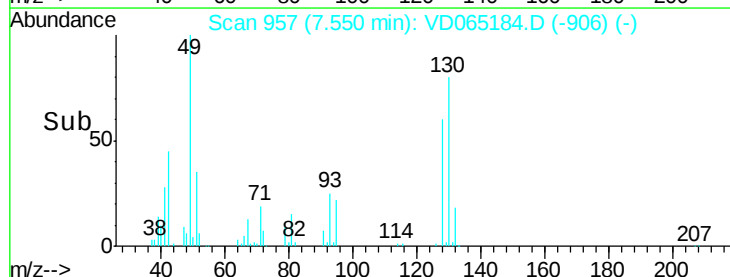
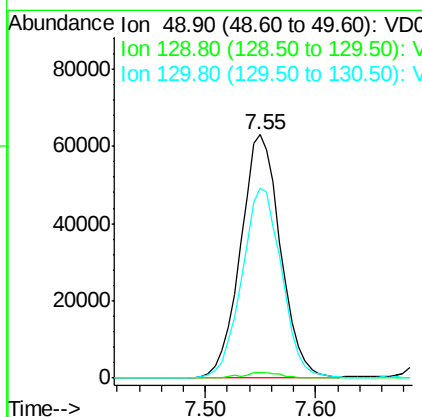
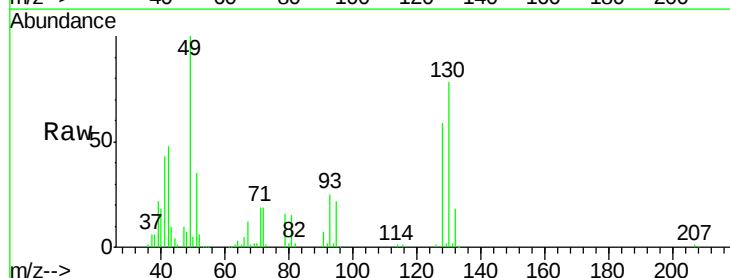
MMDadoda
 2/17/2020 10:35:07 AM

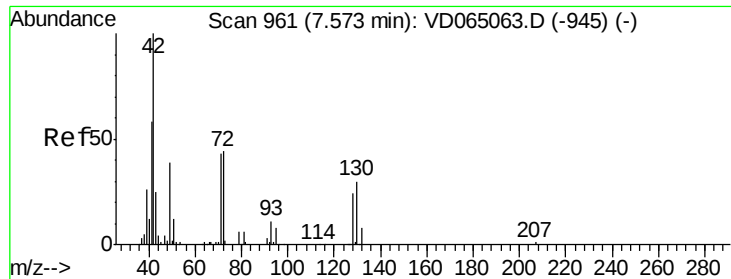


#28

Bromochloromethane
 Concen: 57.100 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	77.9	63.8	95.8





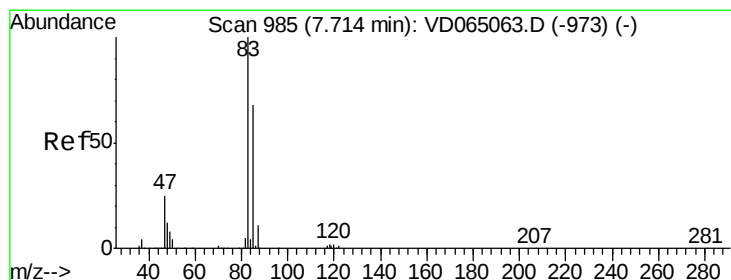
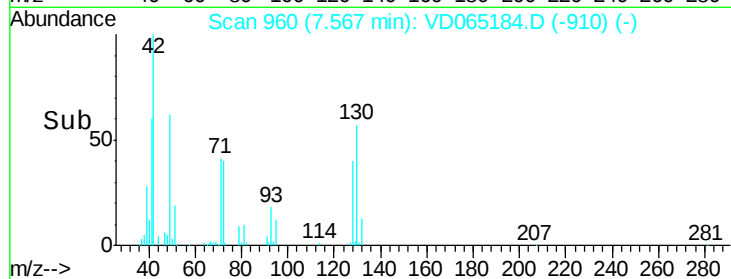
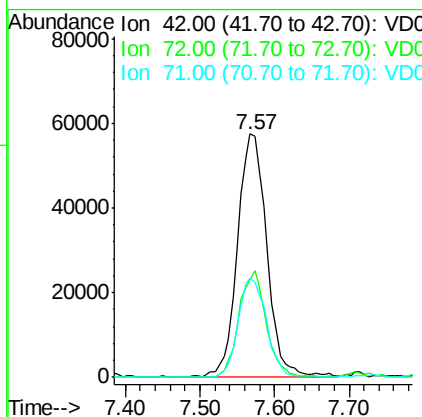
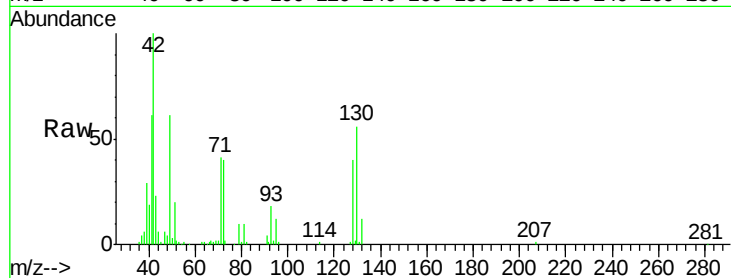
#29
Tetrahydrofuran
Concen: 232.129 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	34.2	51.4
71	39.5	31.8	47.6

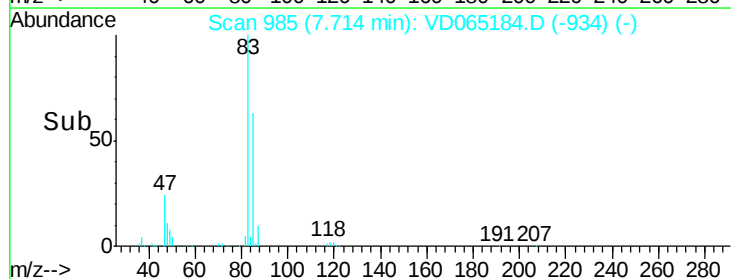
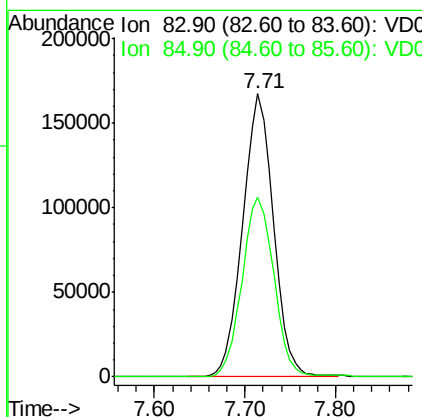
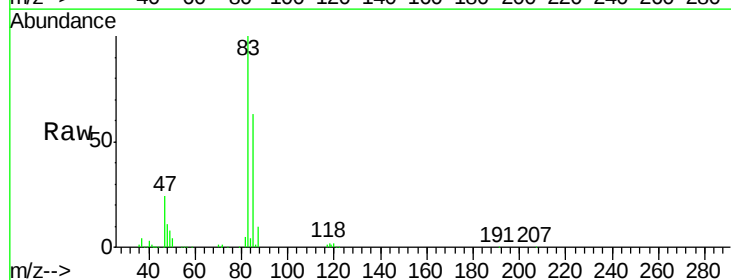
Manual Integrations
APPROVED

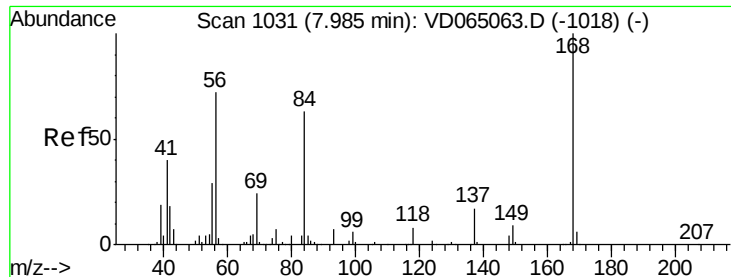
MMDadoda
2/17/2020 10:35:07 AM



#30
Chloroform
Concen: 53.618 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	54.2	81.4





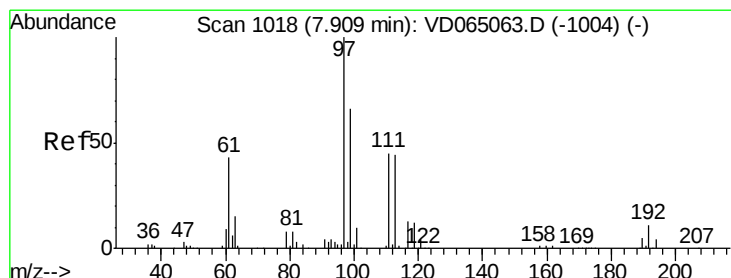
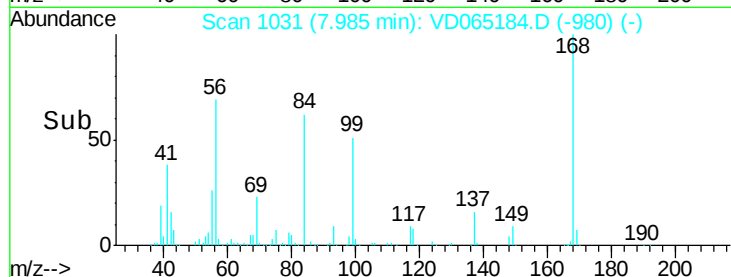
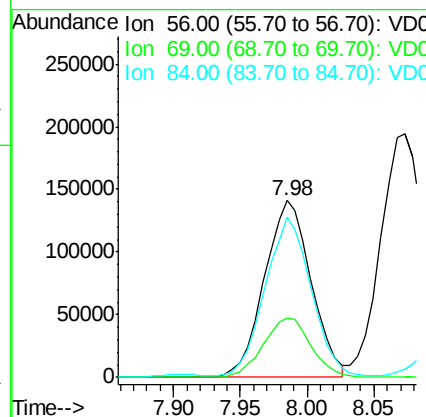
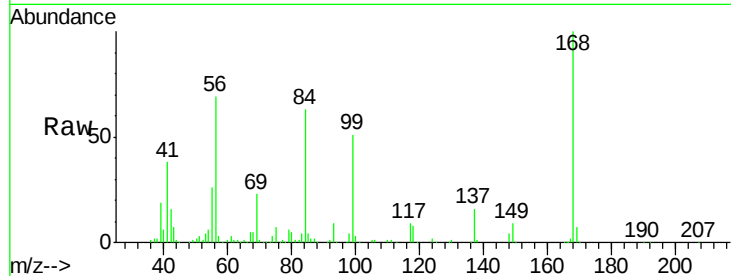
#31
Cyclohexane
Concen: 45.822 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	26.6	40.0
84	89.6	70.6	106.0

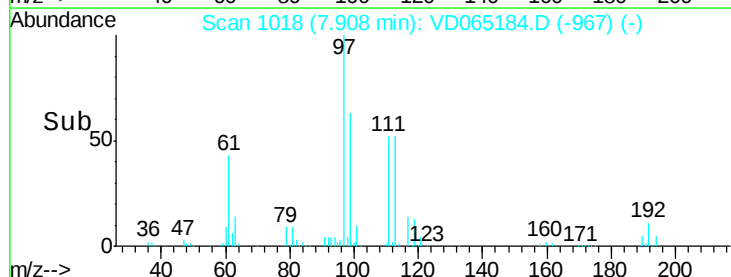
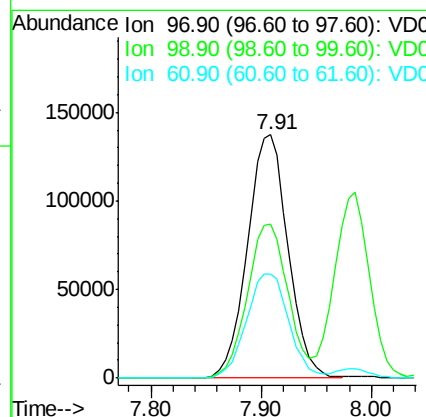
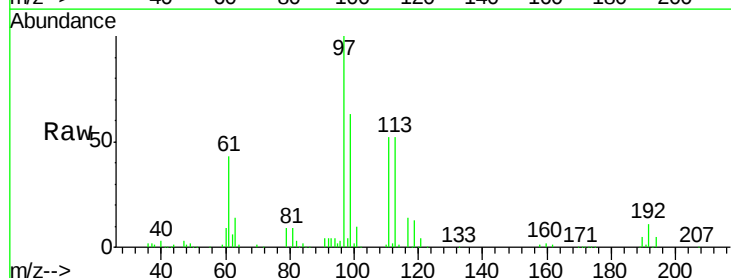
Manual Integrations
APPROVED

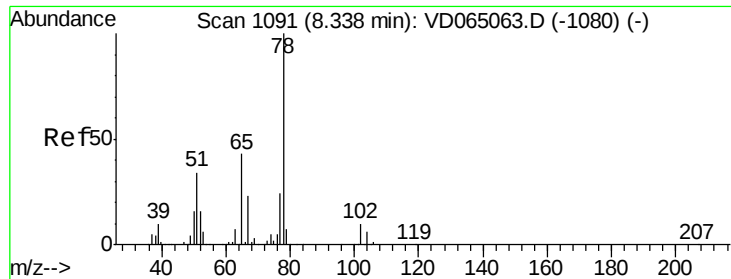
MMDadoda
2/17/2020 10:35:07 AM



#32
1,1,1-Trichloroethane
Concen: 51.573 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.5	77.3
61	44.7	34.8	52.2





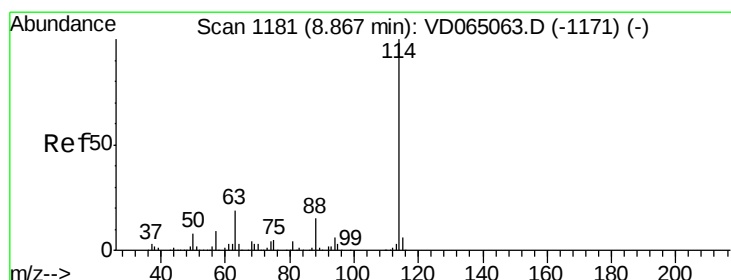
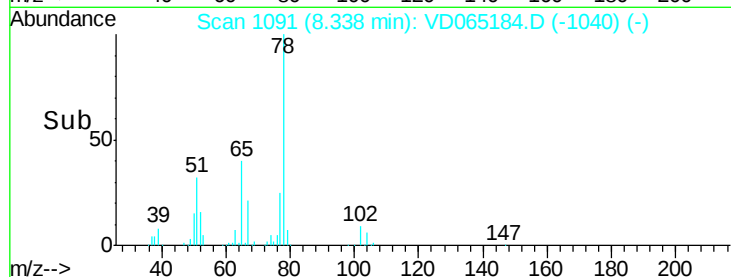
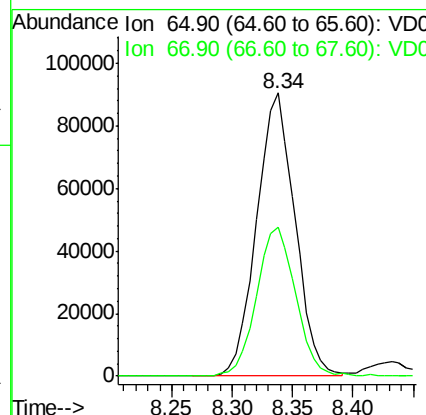
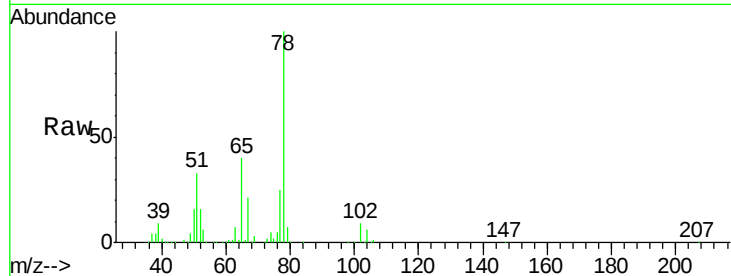
#33
 1,2-Dichloroethane-d4
 Concen: 53.088 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199436		
67	53.6	0.0	105.8	

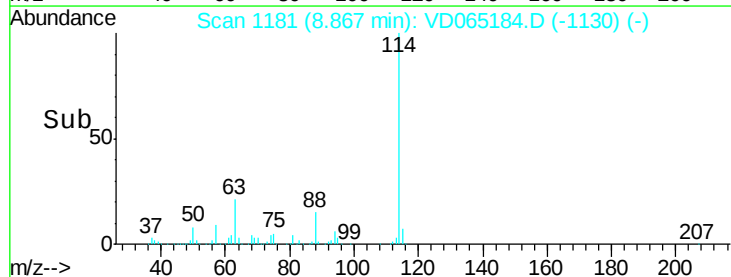
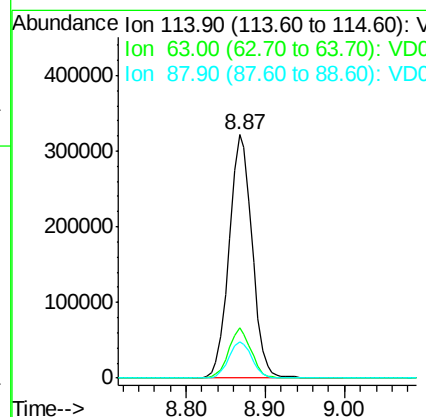
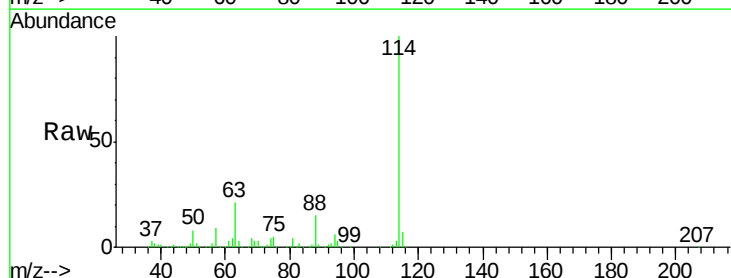
Manual Integrations
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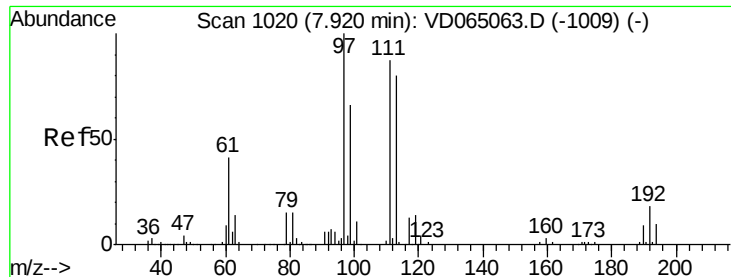
MMDadoda
 2/17/2020 10:35:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	645512		
63	20.7	0.0	38.8	
88	14.8	0.0	29.6	





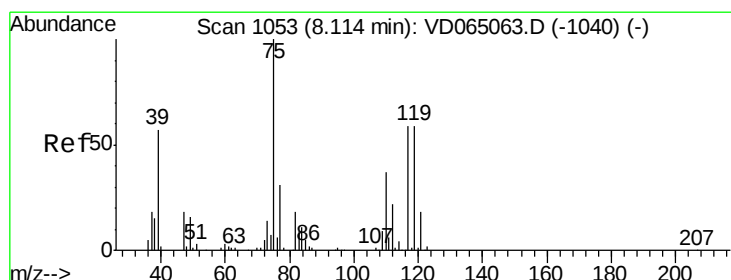
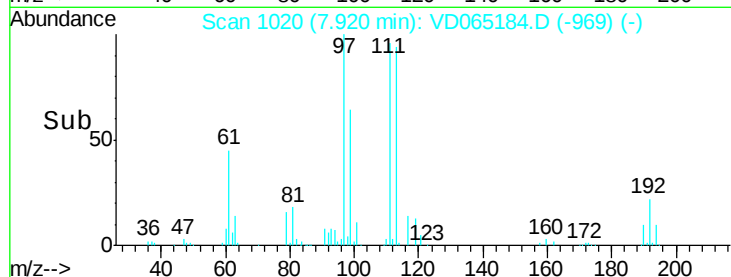
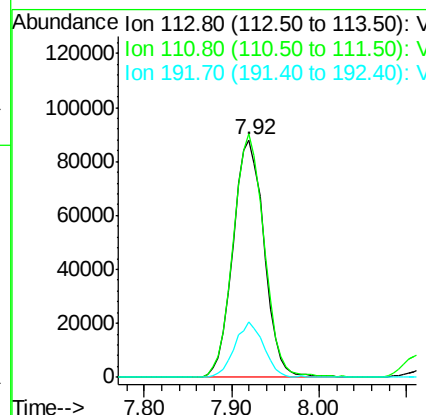
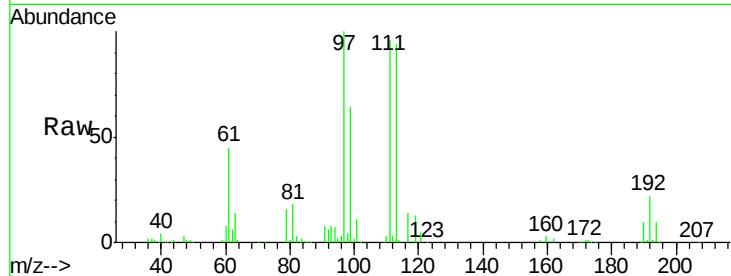
#35
Dibromofluoromethane
Concen: 58.949 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	212307		
111	101.3	83.1	124.7	
192	21.9	18.1	27.1	

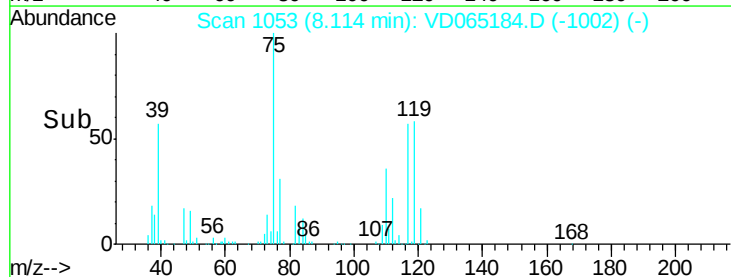
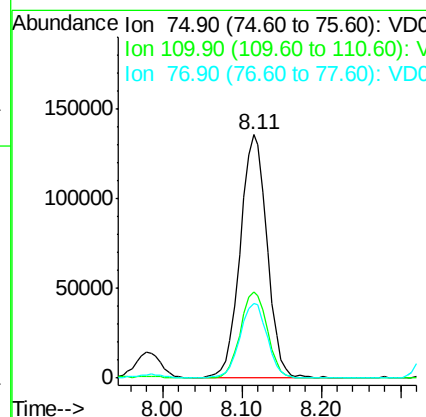
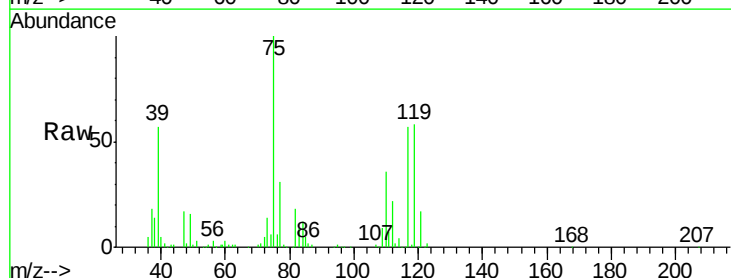
Manual Integrations
APPROVED

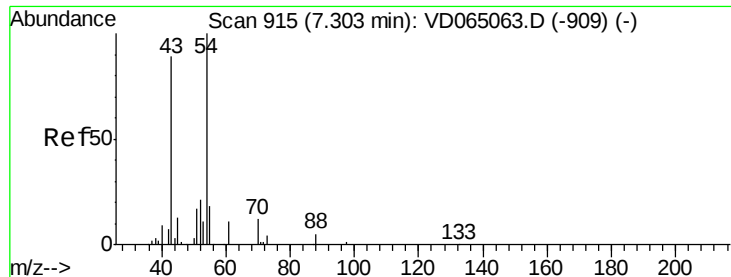
MMDadoda
2/17/2020 10:35:07 AM



#36
1,1-Dichloropropene
Concen: 52.993 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	318078		
110	35.7	18.1	54.3	
77	31.4	24.7	37.1	





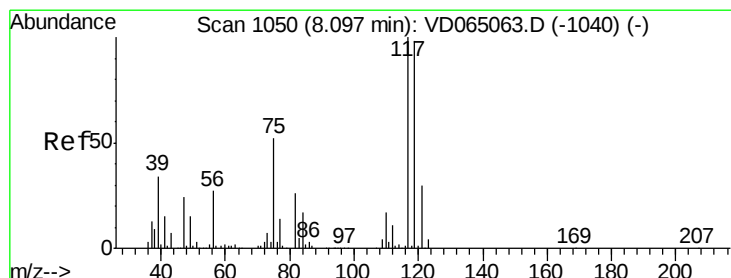
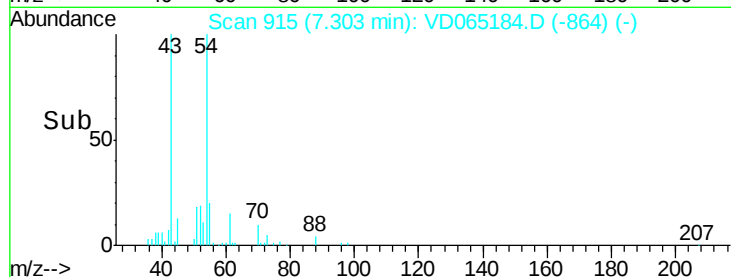
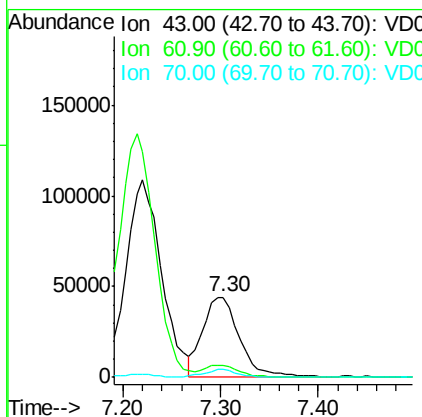
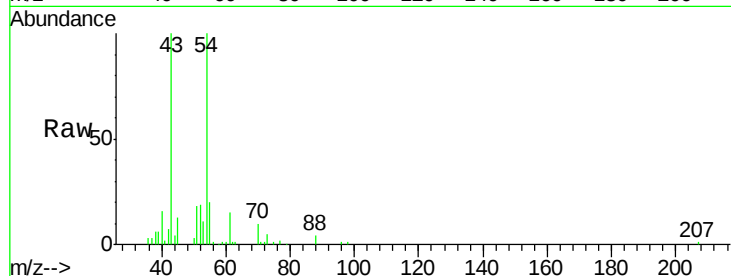
#37
Ethyl Acetate
Concen: 46.651 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.4
70	9.2	8.2	12.2

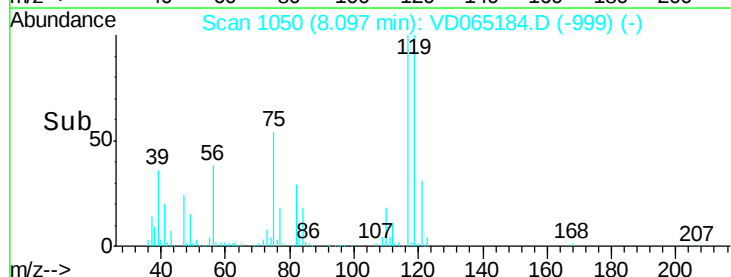
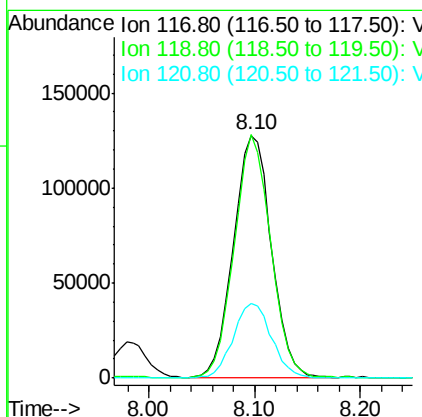
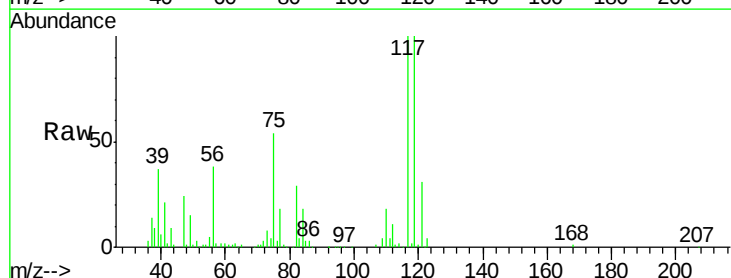
Manual Integrations
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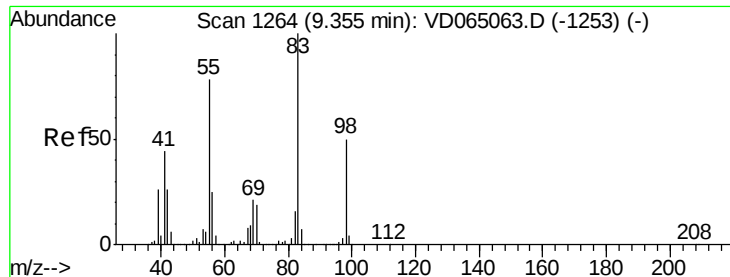
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.809 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.5	78.5	117.7
121	31.0	23.8	35.6





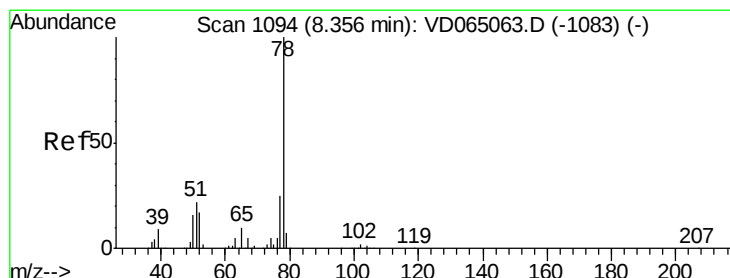
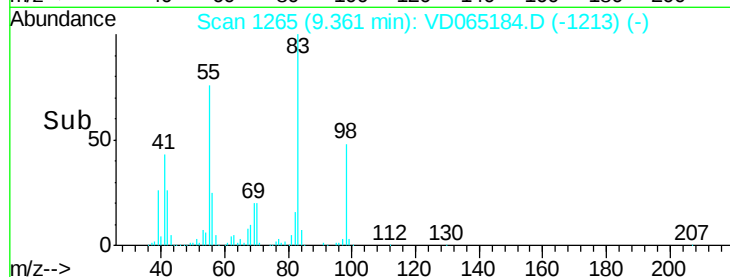
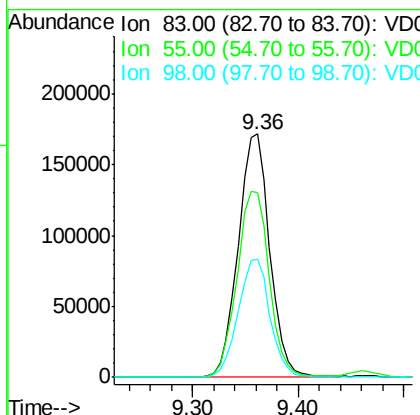
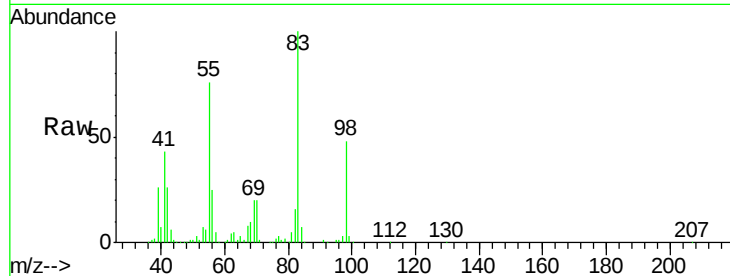
#39
Methvlcvclohexane
Concen: 48.002 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	62.0	93.0
98	48.3	39.9	59.9

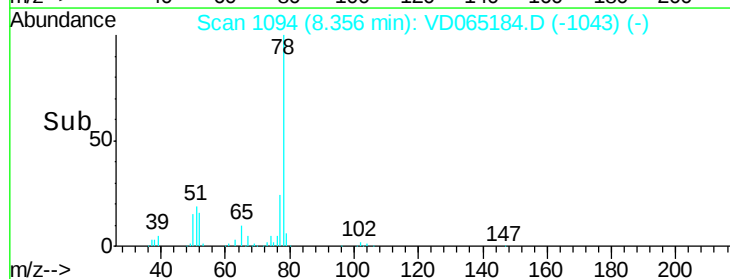
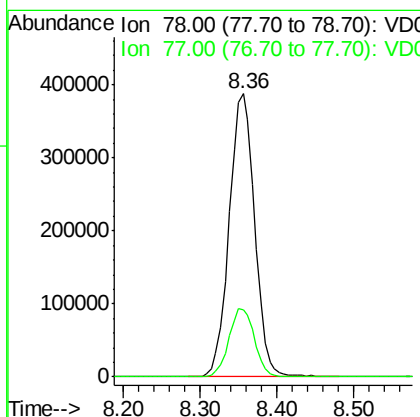
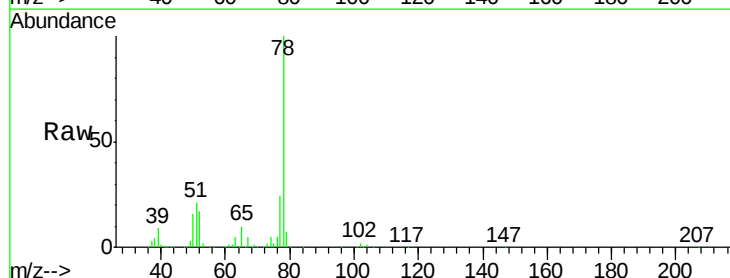
Manual Integrations
APPROVED

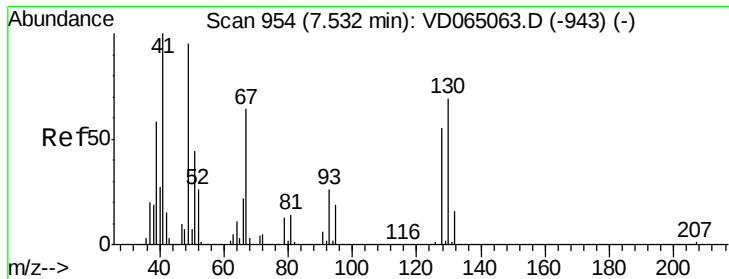
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#40
Benzene
Concen: 54.124 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.6	29.4





#41

Methacrylonitrile

Concen: 56.524 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 76361

Ion Ratio Lower Upper

41 100

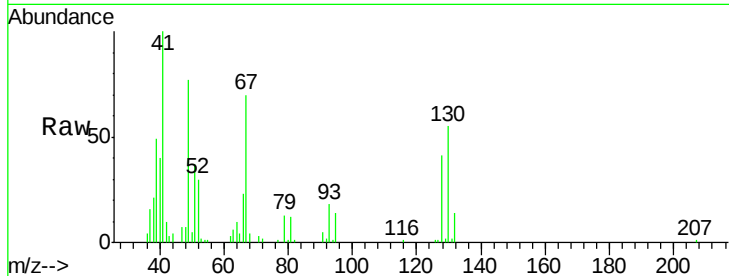
39 0.0 55.4 83.0#

67 0.0 59.0 88.6#

52 0.0 25.4 38.0#

Manual Integrations
APPROVED

MMDadoda
2/17/2020 10:35:07 AM

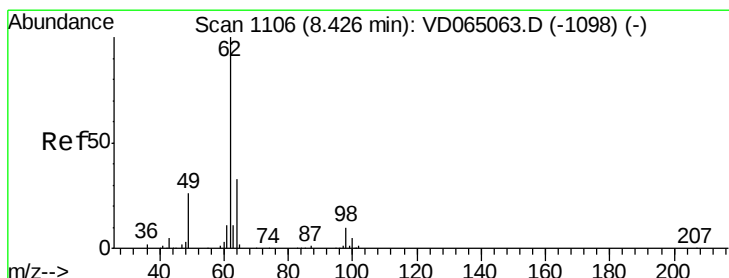
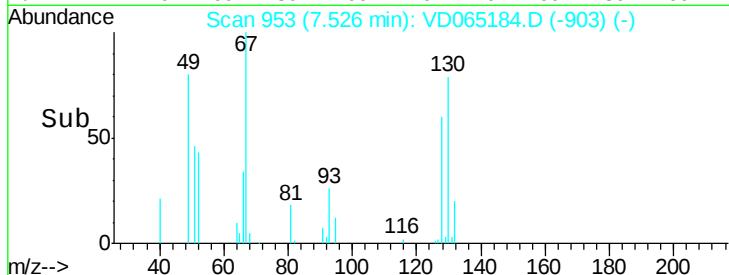
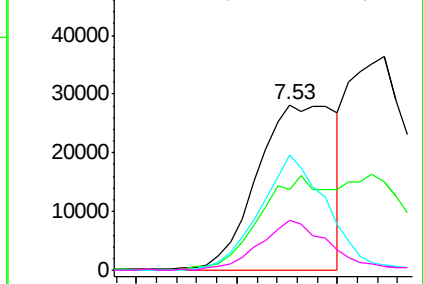


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.090 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD065184.D

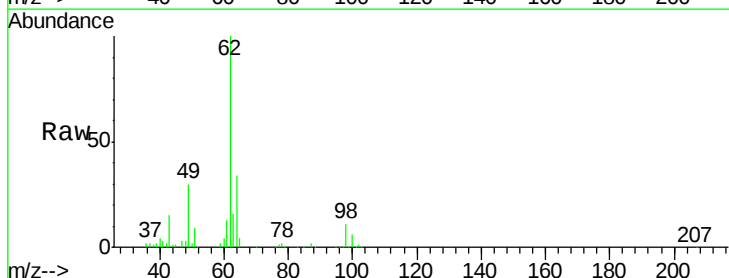
Acq: 14 Feb 2020 10:16

Tgt Ion: 62 Resp: 236568

Ion Ratio Lower Upper

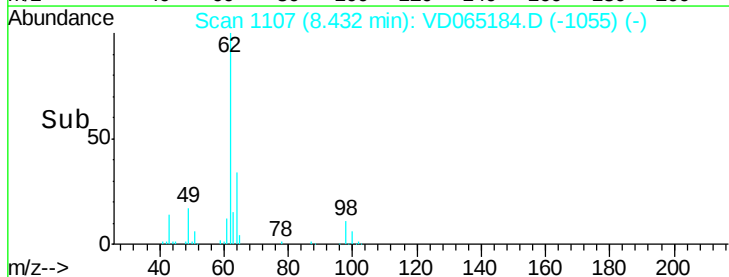
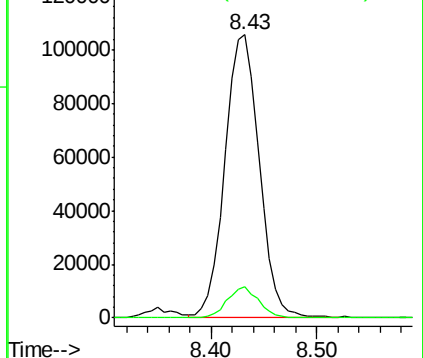
62 100

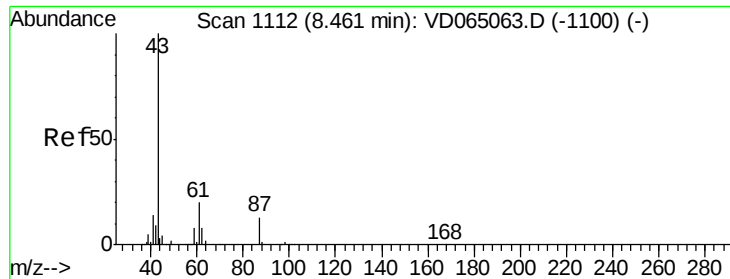
98 10.2 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 44.837 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

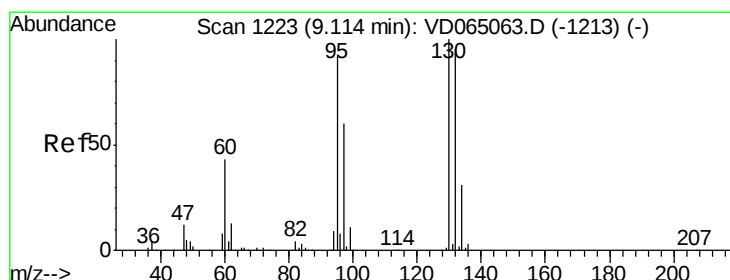
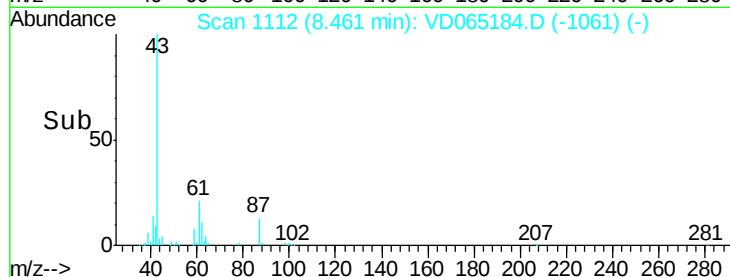
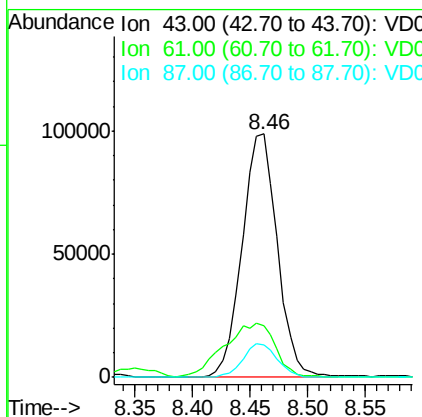
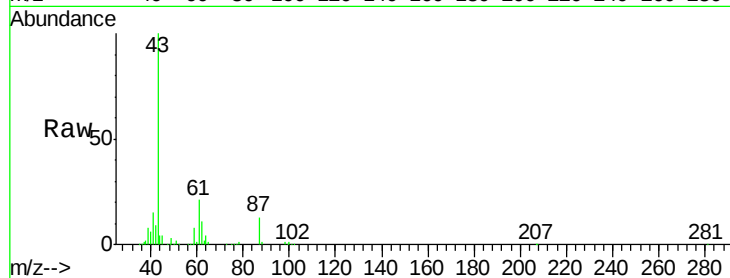
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	210322
Ion	Ratio	Lower	Upper
43	100		
61	32.4	24.0	36.0
87	13.5	10.2	15.4

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#44

Trichloroethene

Concen: 51.853 ug/l

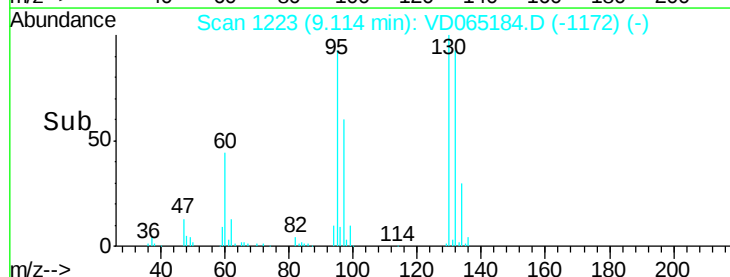
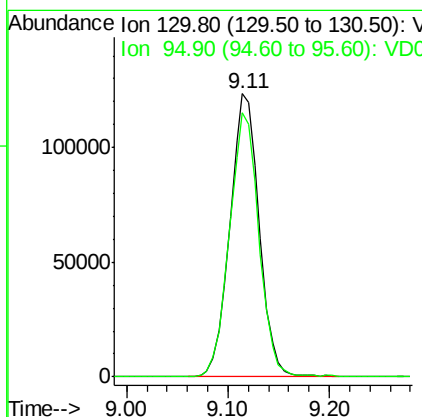
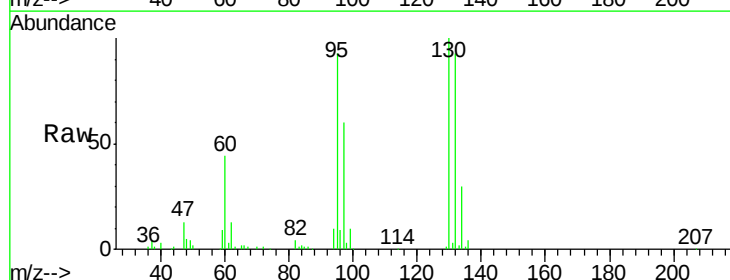
RT: 9.11 min Scan# 1223

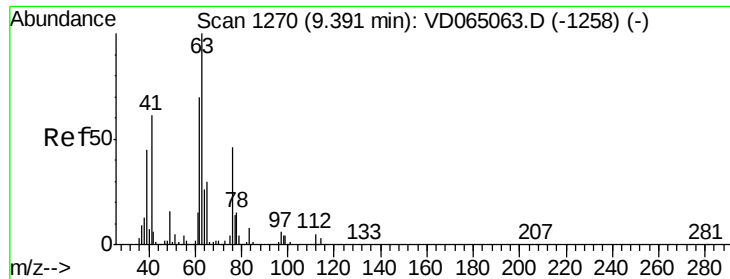
Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Tgt Ion:	130	Resp:	246698
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	185.0





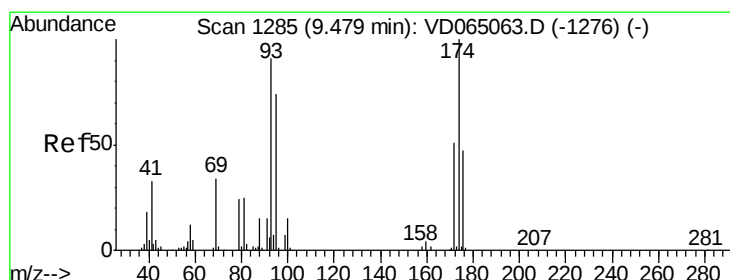
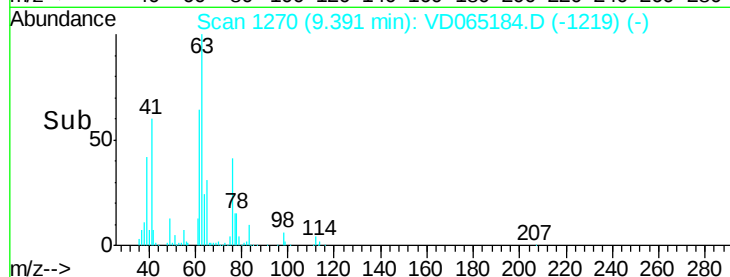
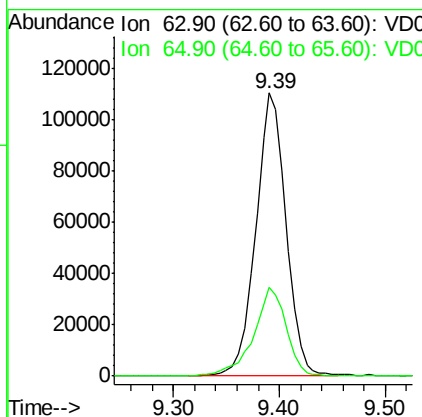
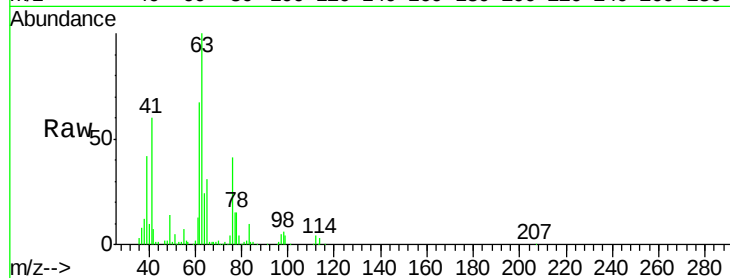
#45
 1,2-Dichloropropane
 Concen: 55.336 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.9	35.9

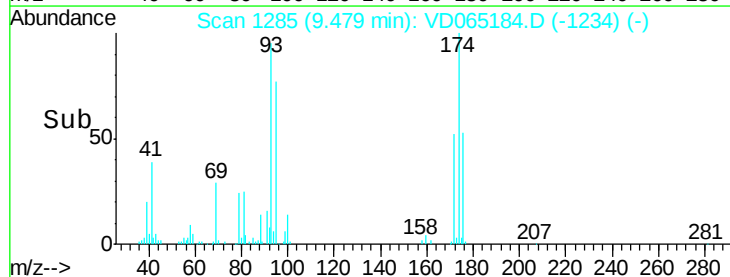
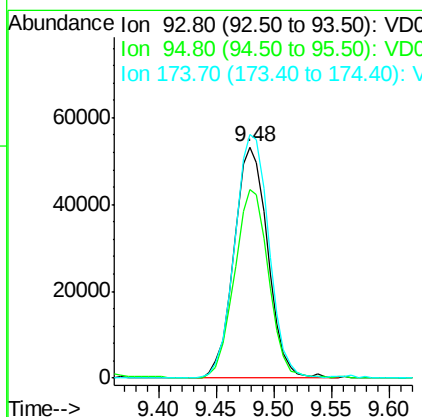
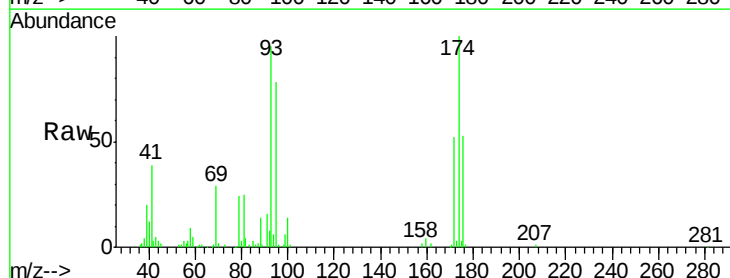
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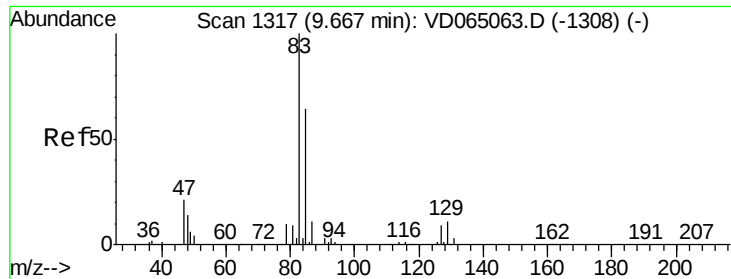
MMDadoda
 2/17/2020 10:35:07 AM



#46
 Dibromomethane
 Concen: 51.776 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.5	99.7
174	106.6	89.8	134.8





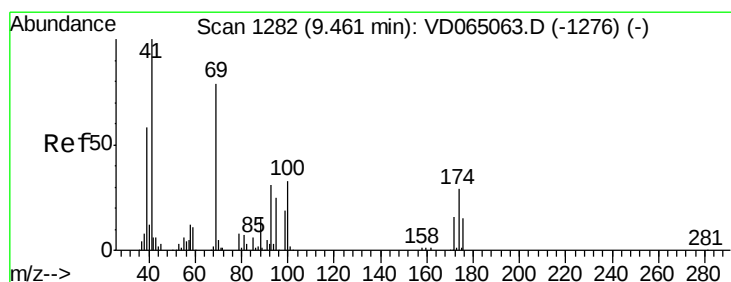
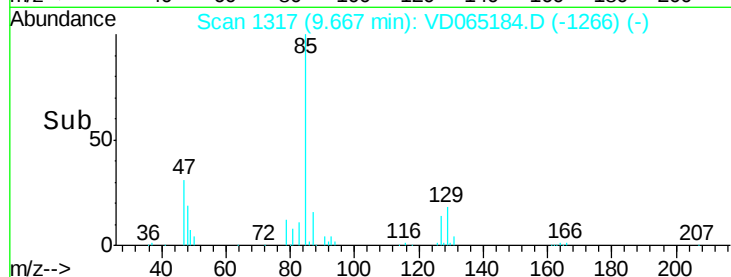
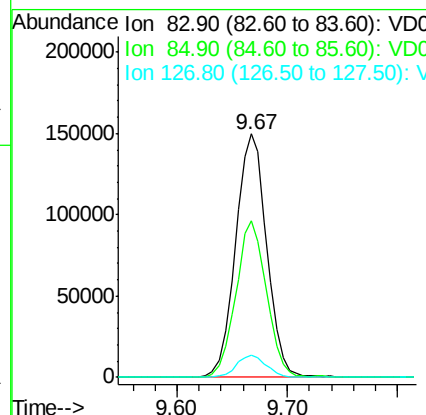
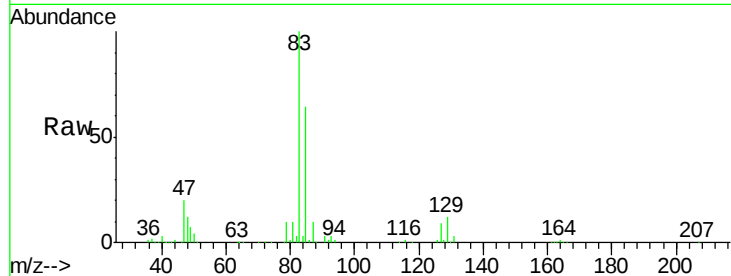
#47
Bromodichloromethane
Concen: 53.793 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	295990		
85	64.1		51.0	76.6
127	9.0		7.3	10.9

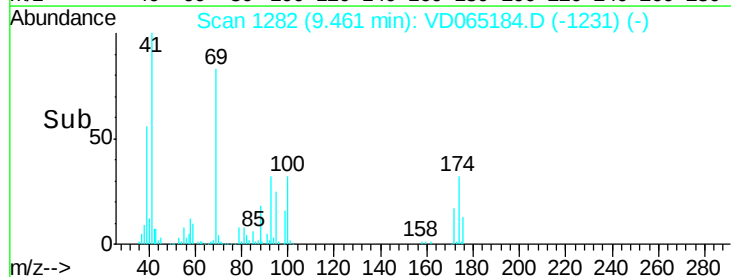
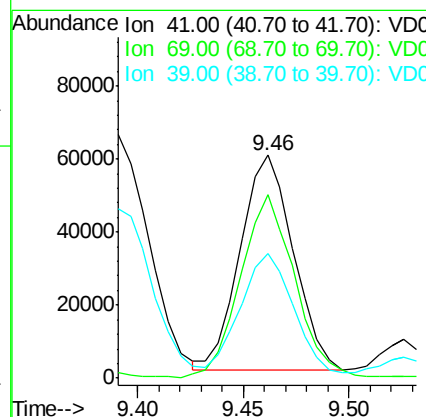
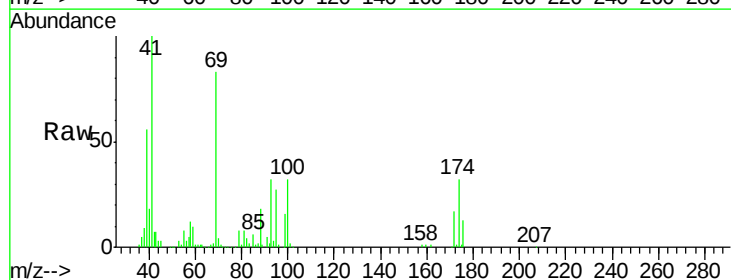
Manual Integrations
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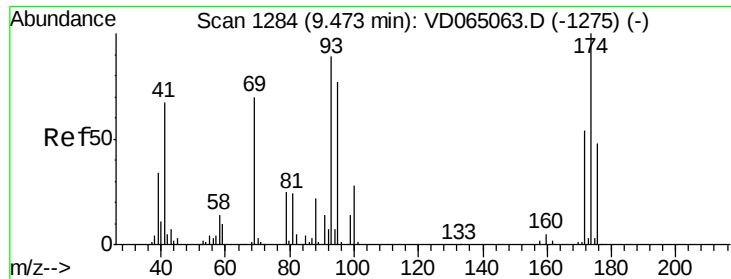
MMDadoda
2/17/2020 10:35:07 AM



#48
Methyl methacrylate
Concen: 45.315 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	102286		
69	86.5		67.5	101.3
39	54.6		47.0	70.4





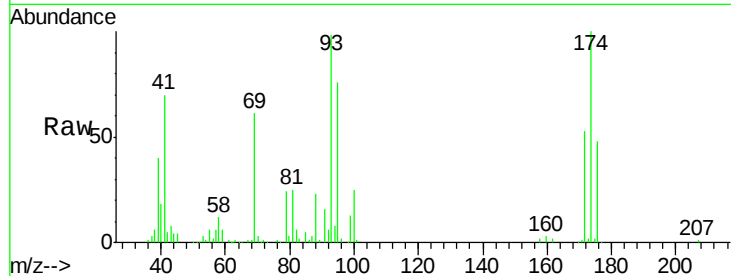
#49
1,4-Dioxane
Concen: 996.920 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	24658
Ion Ratio	100	Lower	Upper
88	100		
43	33.3	27.7	41.5
58	63.3	55.5	83.3

Manual Integrations
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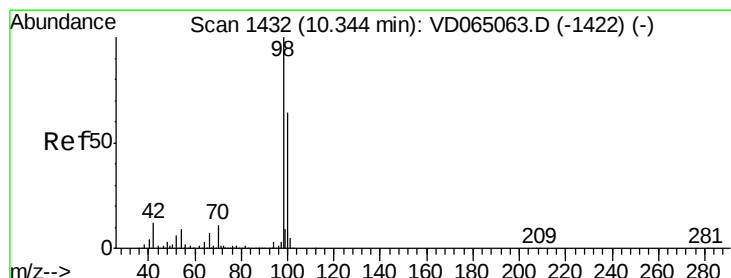
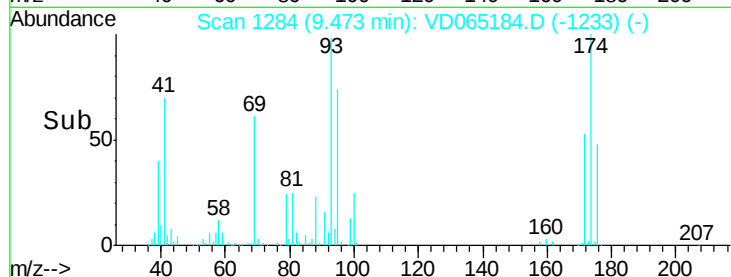
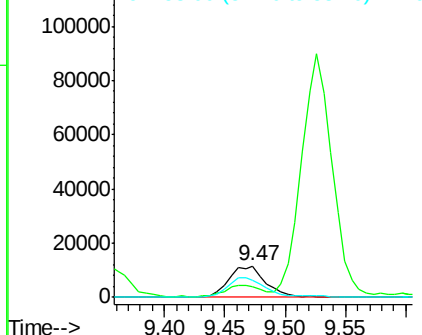


Abundance

Ion 88.00 (87.70 to 88.70): VDC

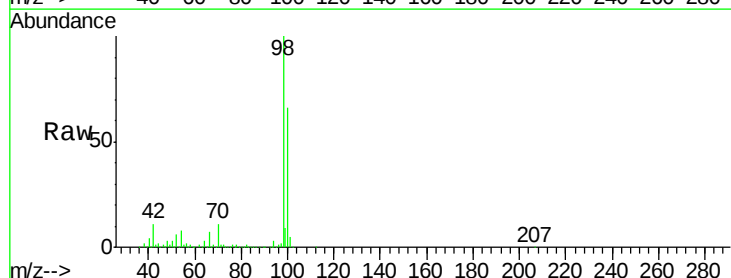
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 57.979 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

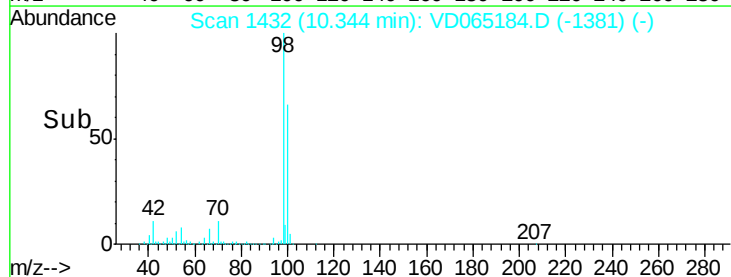
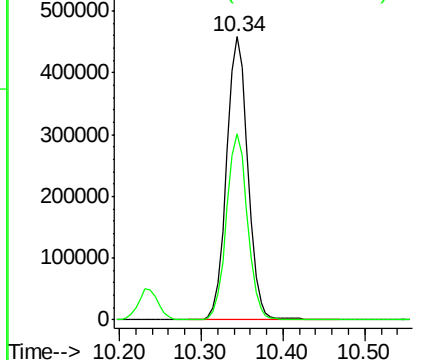
Tgt Ion	98	Resp	831144
Ion Ratio	100	Lower	Upper
98	100		
100	64.8	52.1	78.1

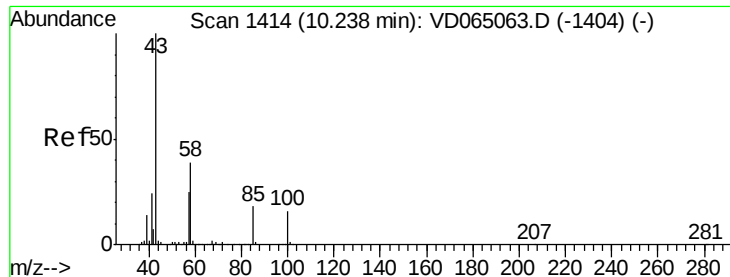


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





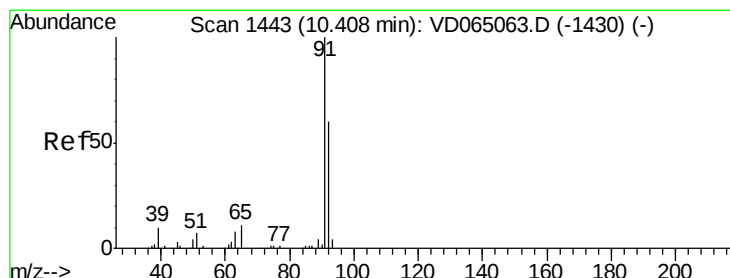
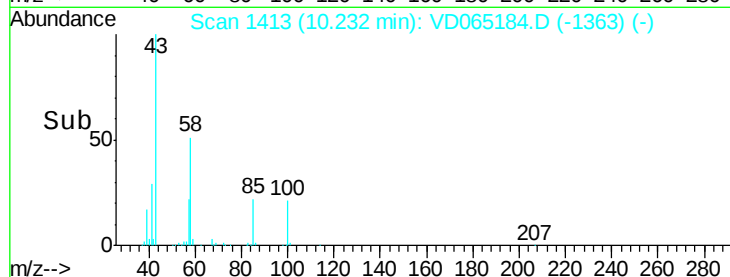
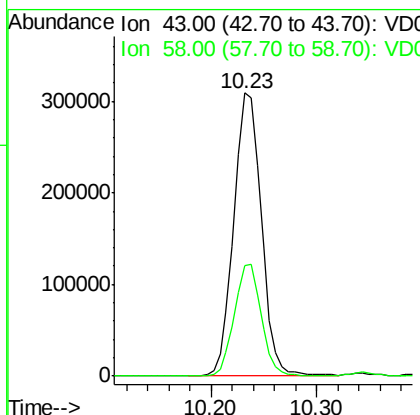
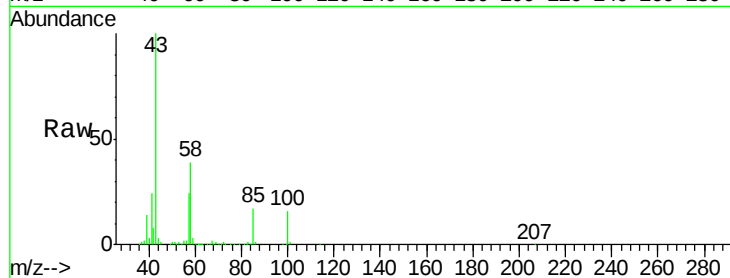
#51
4-Methyl-2-Pentanone
Concen: 242.561 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.2	45.2

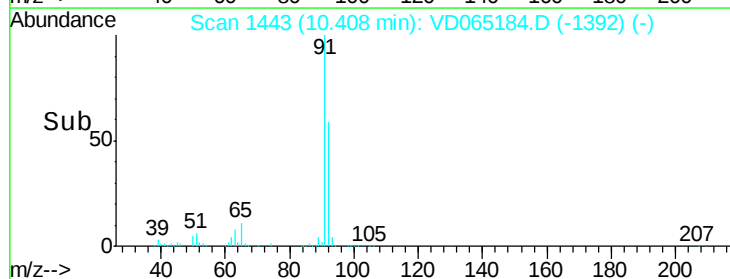
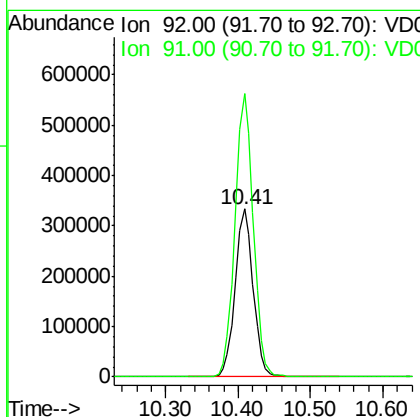
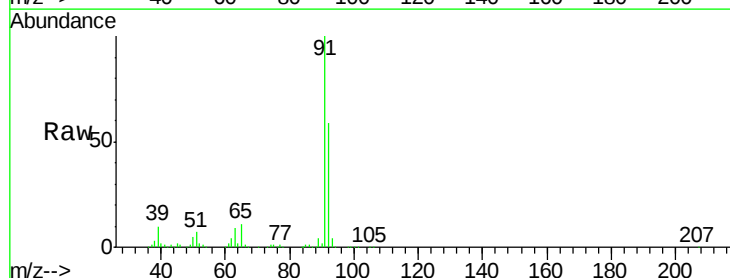
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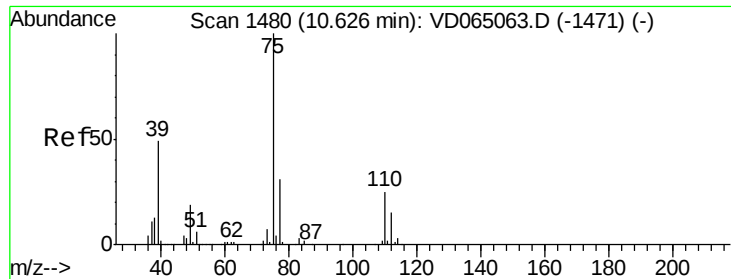
MMDadoda
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#52
Toluene
Concen: 54.550 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	135.3	202.9





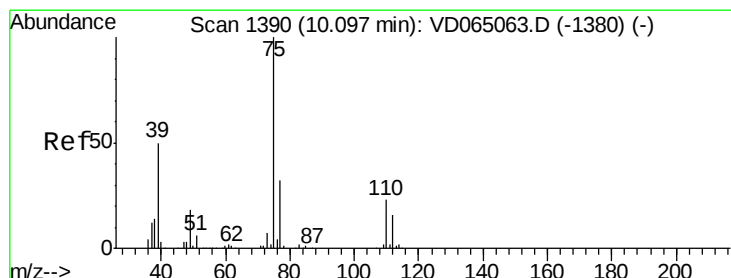
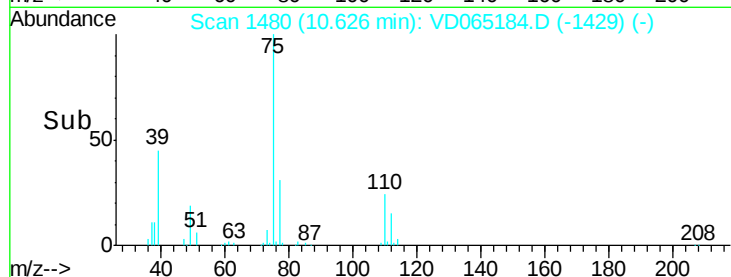
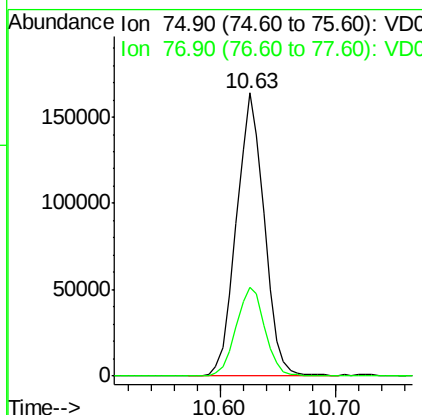
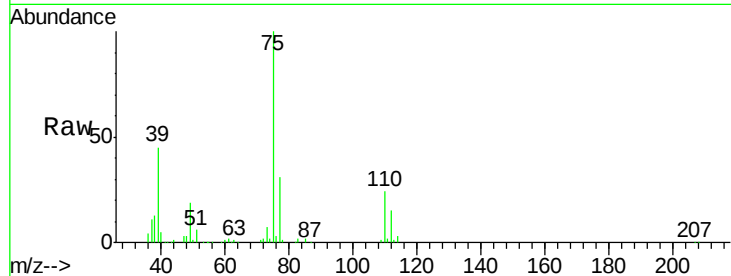
#53
t-1,3-Dichloropropene
Concen: 51.136 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 273953
Ion Ratio Lower Upper
75 100
77 31.4 24.9 37.3

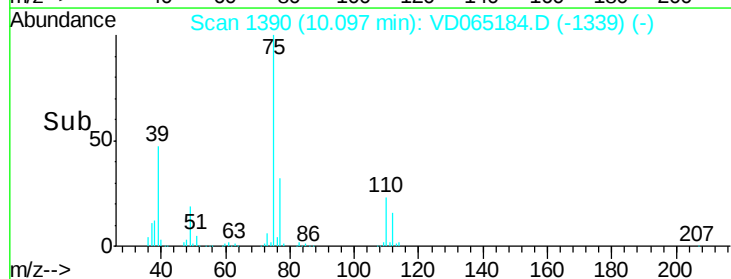
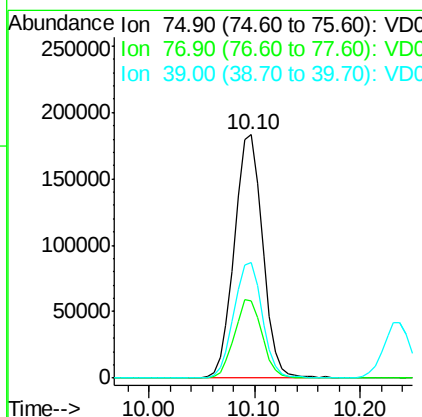
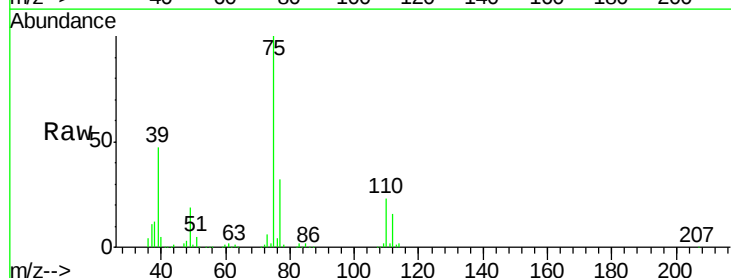
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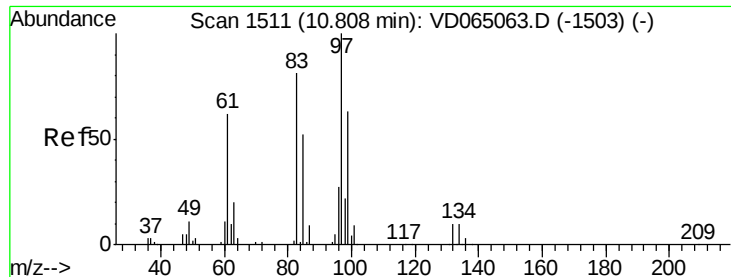
MMDadoda
2/17/2020 10:35:07 AM



#54
cis-1,3-Dichloropropene
Concen: 53.042 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion: 75 Resp: 339863
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9
39 47.2 40.3 60.5





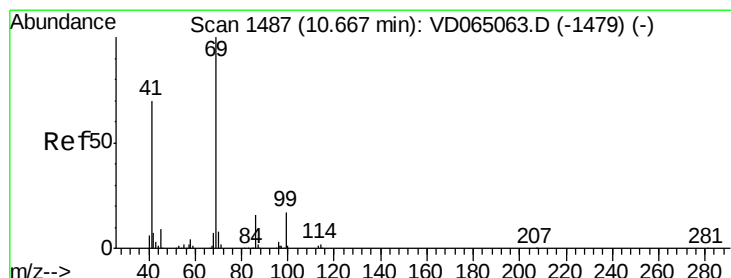
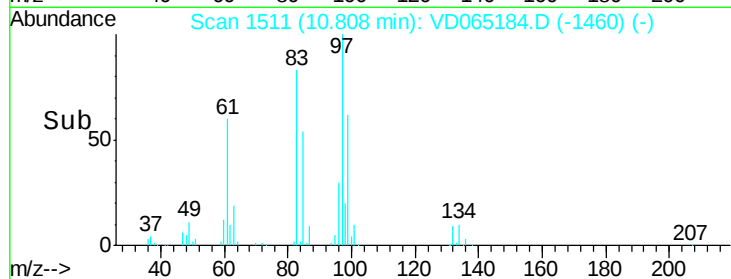
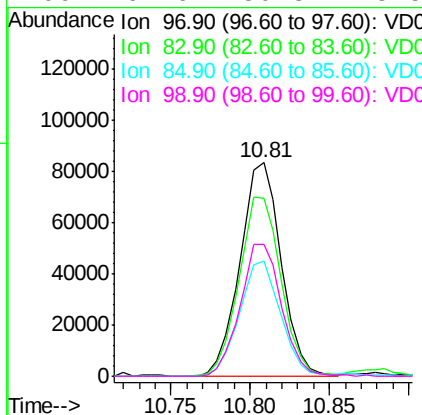
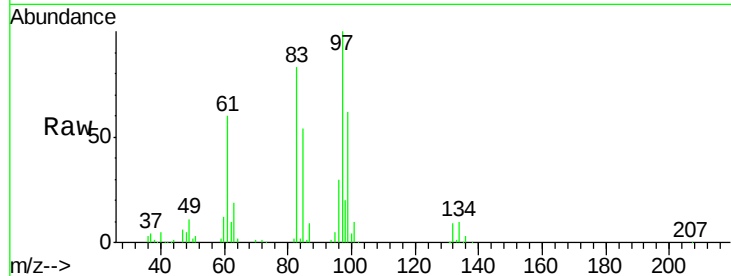
#55
 1,1,2-Trichloroethane
 Concen: 52.556 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	150541
Ion	Ratio	Lower	Upper
97	100		
83	83.1	64.8	97.2
85	53.9	41.2	61.8
99	61.6	50.3	75.5

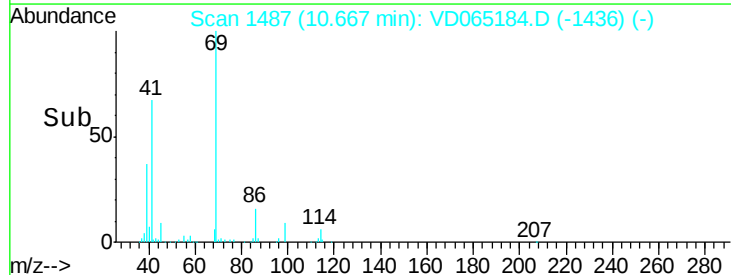
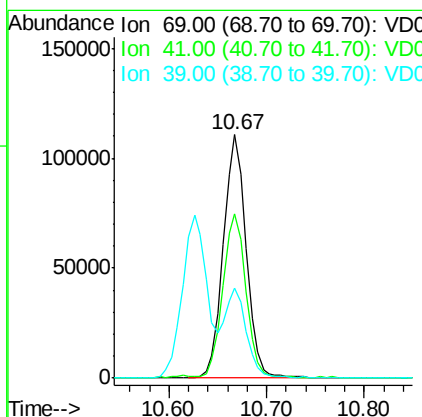
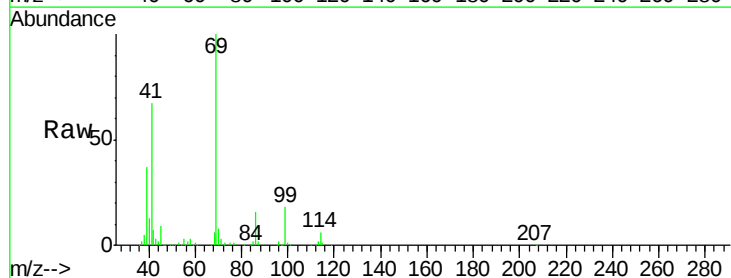
Manual Integrations
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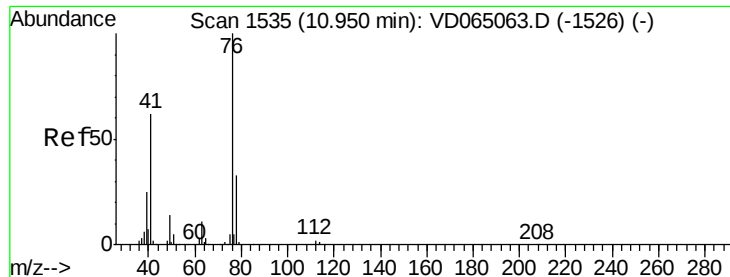
MMDadoda
 2/17/2020 10:35:07 AM



#56
 Ethyl methacrylate
 Concen: 49.678 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Tgt Ion:	69	Resp:	180045
Ion	Ratio	Lower	Upper
69	100		
41	67.5	55.9	83.9
39	34.4	29.4	44.0





#57

1,3-Dichloropropane

Concen: 51.938 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 261603

Ion Ratio Lower Upper

76 100

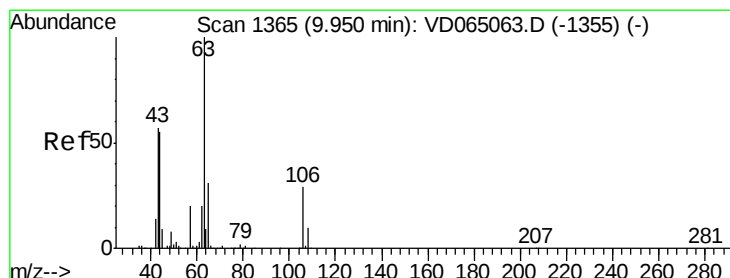
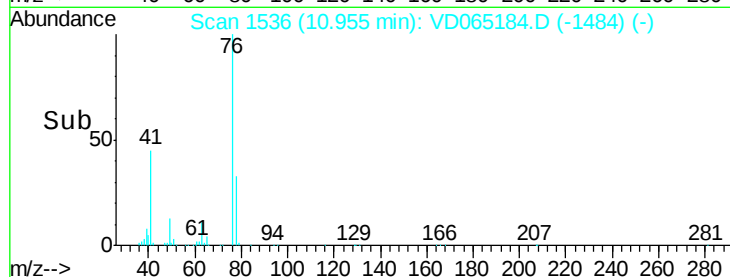
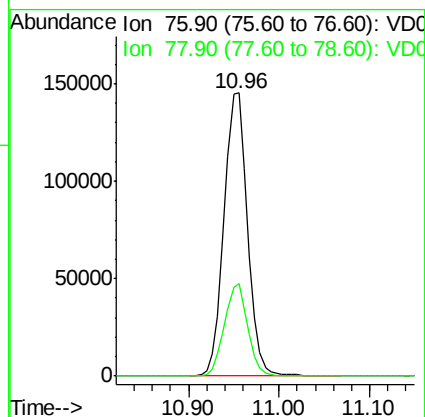
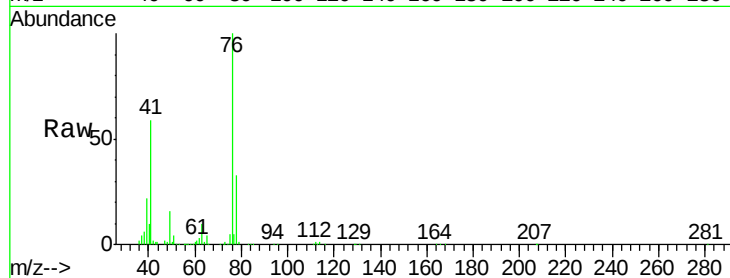
78 32.2 25.8 38.6

Manual Integrations

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MMDadoda

2/17/2020 10:35:07 AM



#58

2-Chloroethyl Vinyl ether

Concen: 233.253 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065184.D

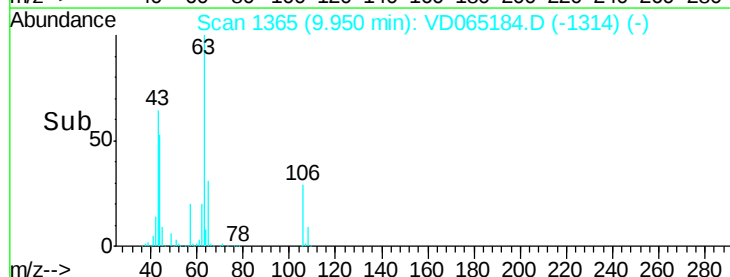
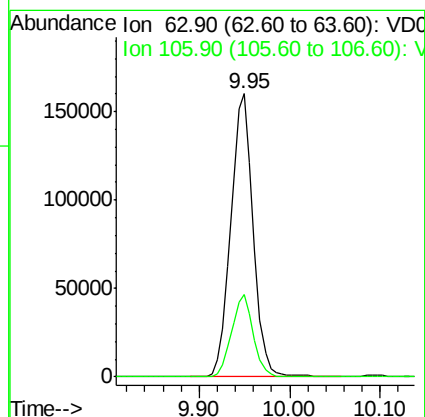
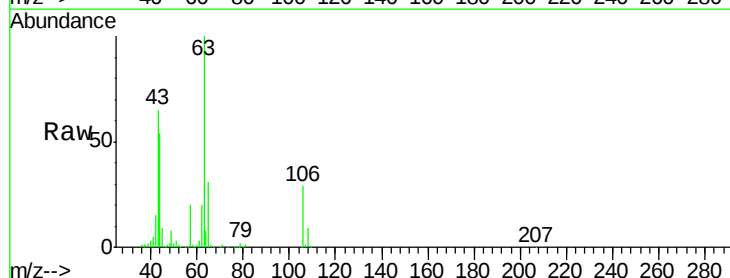
Acq: 14 Feb 2020 10:16

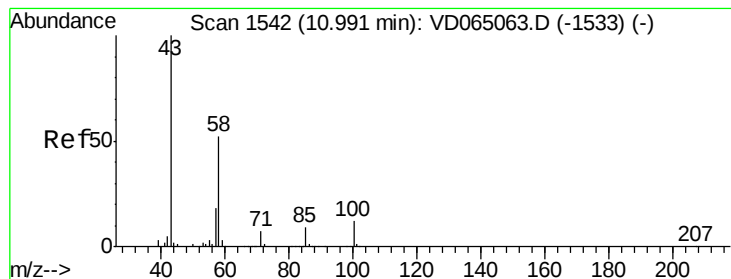
Tgt Ion: 63 Resp: 274626

Ion Ratio Lower Upper

63 100

106 28.2 23.3 34.9





#59

2-Hexanone

Concen: 266.314 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 435540

Ion Ratio Lower Upper

43 100

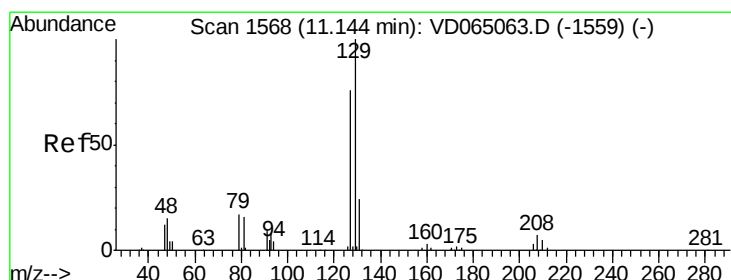
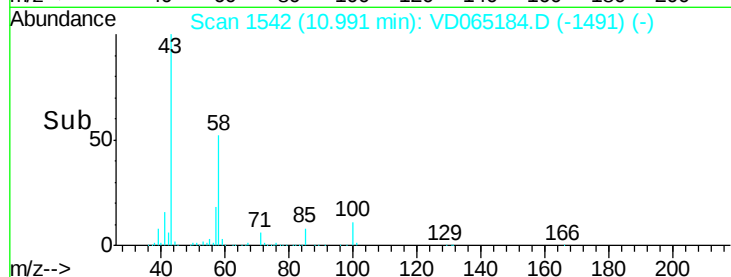
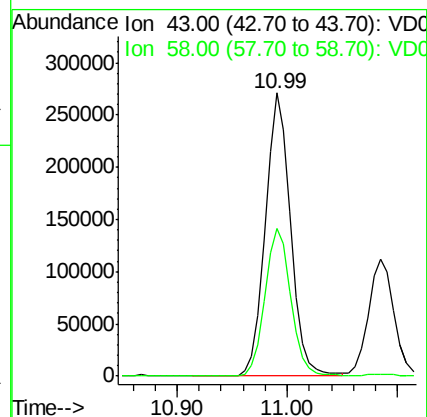
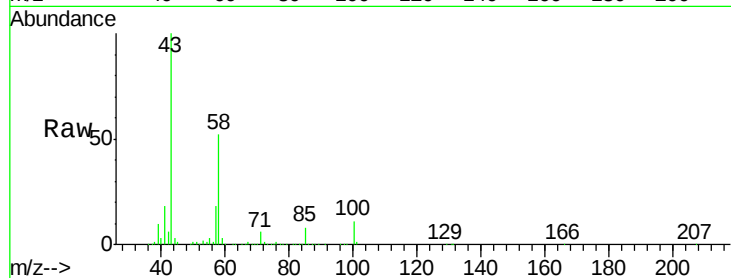
58 53.3 26.2 78.6

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#60

Dibromochloromethane

Concen: 52.714 ug/l

RT: 11.15 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VD065184.D

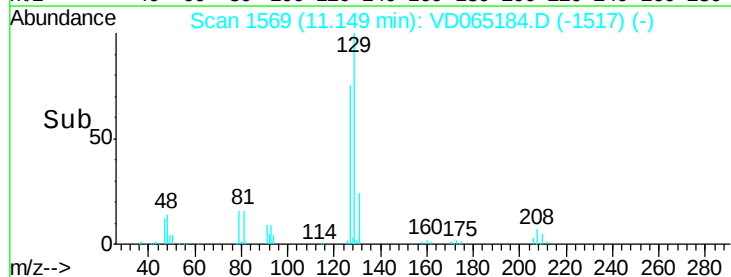
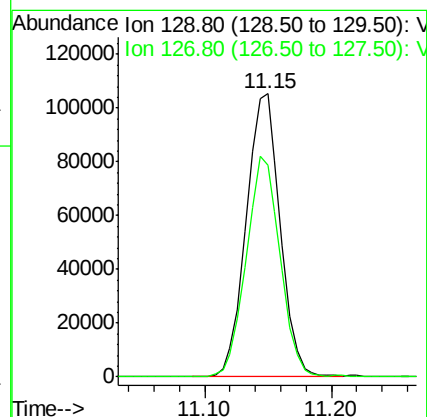
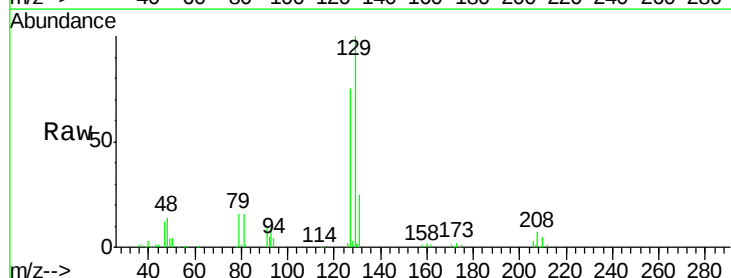
Acq: 14 Feb 2020 10:16

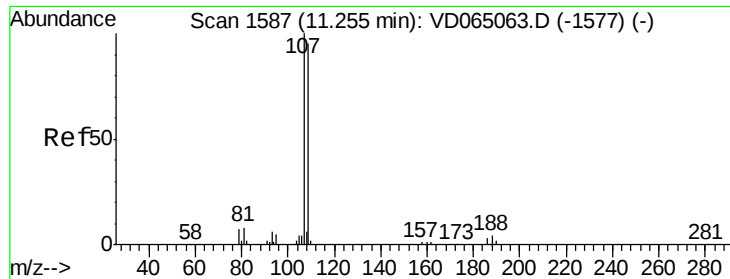
Tgt Ion: 129 Resp: 195573

Ion Ratio Lower Upper

129 100

127 78.0 38.3 114.9





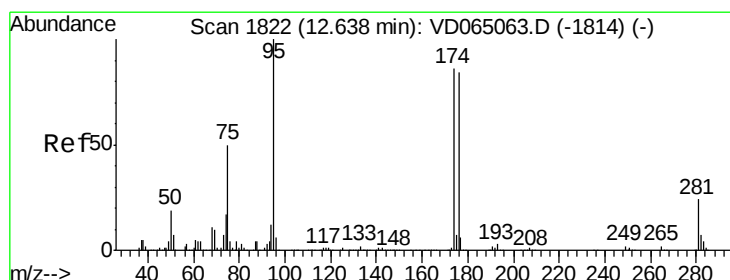
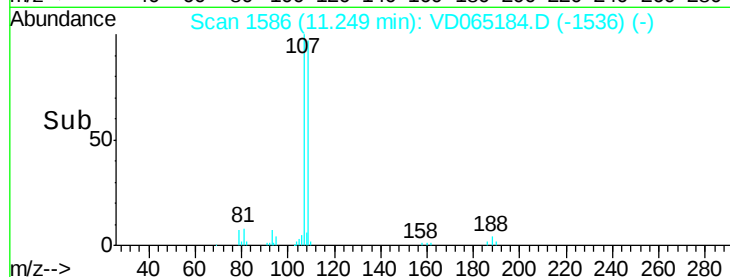
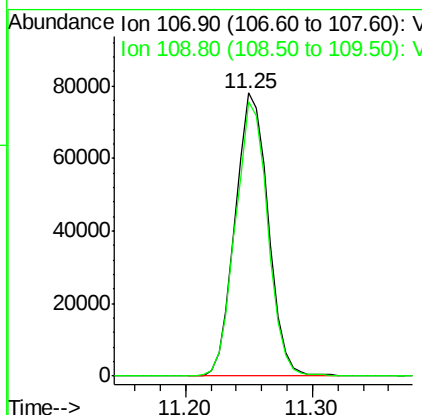
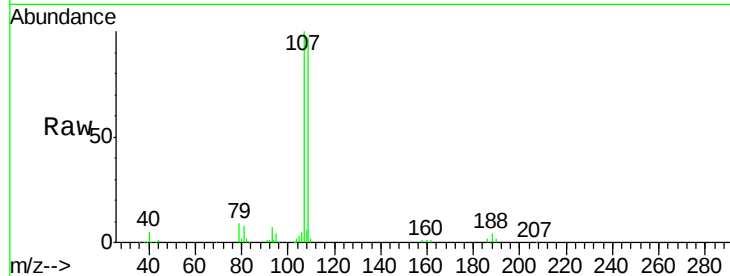
#61
1,2-Dibromoethane
Concen: 50.423 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.5	113.3

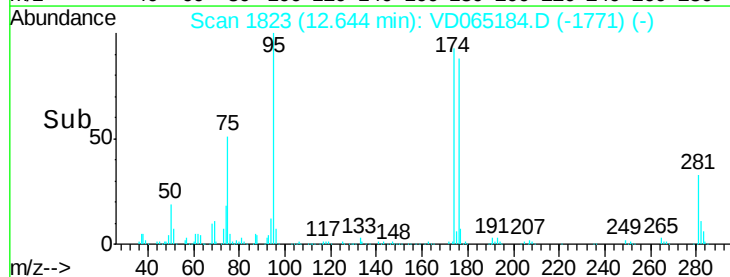
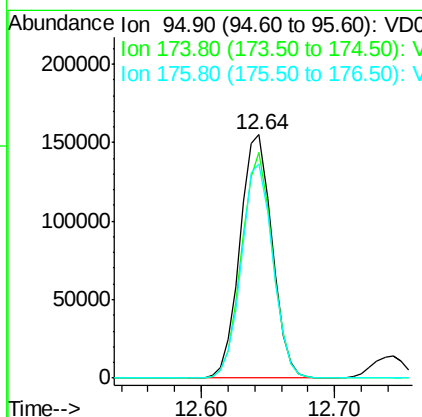
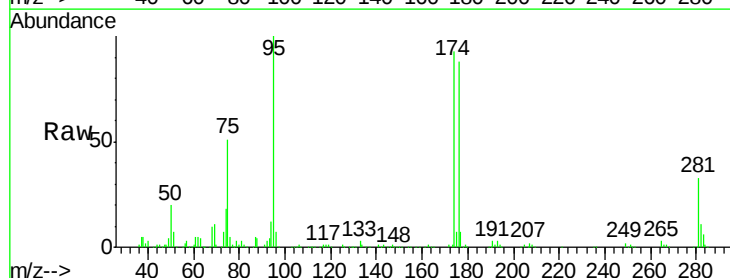
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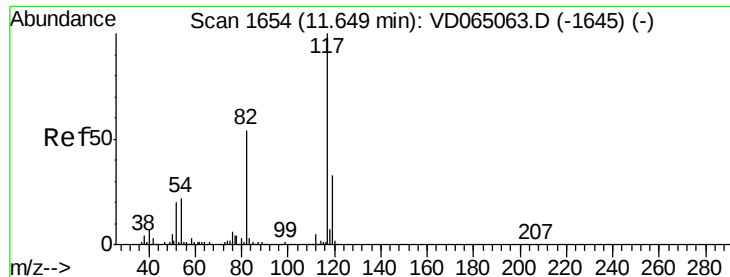
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#62
4-Bromofluorobenzene
Concen: 56.784 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	180.0
176	86.1	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: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

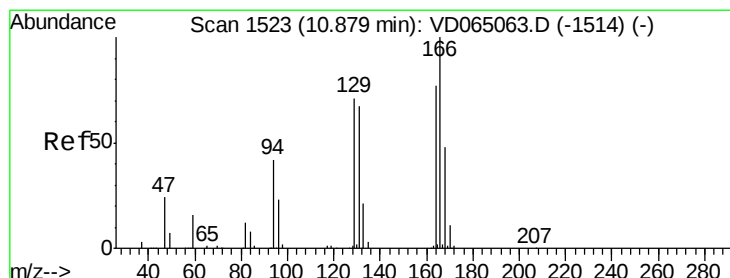
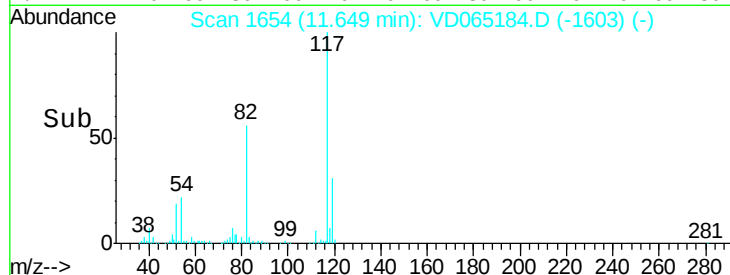
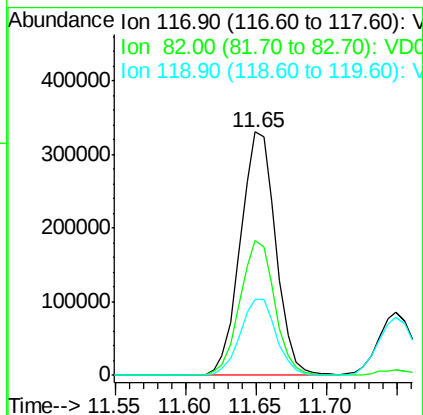
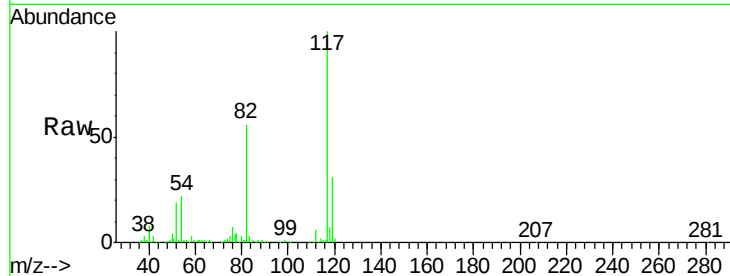
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	579843
Ion Ratio	Lower	Upper	
117	100		
82	55.6	43.1	64.7
119	31.4	26.0	39.0

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#64

Tetrachloroethene

Concen: 49.480 ug/l

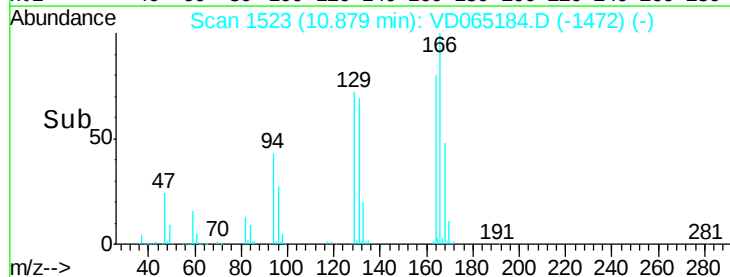
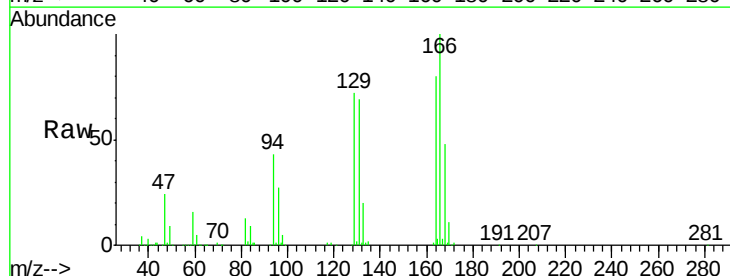
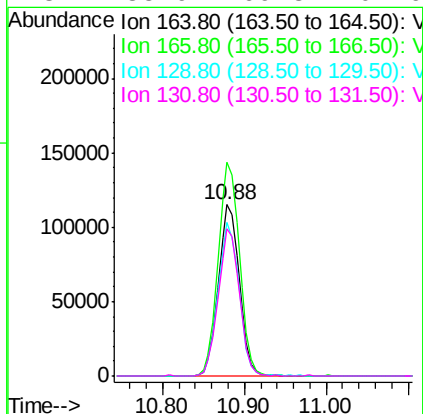
RT: 10.88 min Scan# 1523

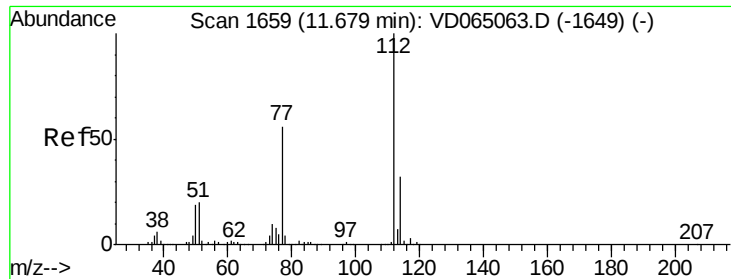
Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Tgt Ion:	164	Resp:	206159
Ion Ratio	Lower	Upper	
164	100		
166	124.7	103.5	155.3
129	89.6	73.3	109.9
131	85.9	69.8	104.6





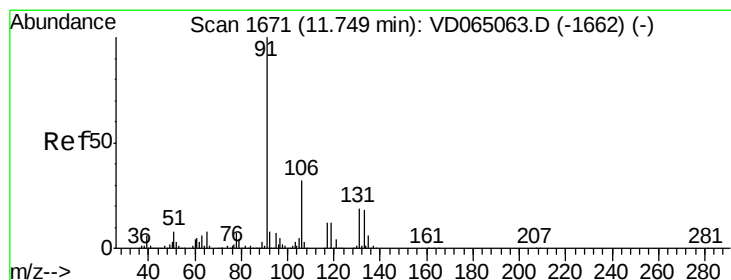
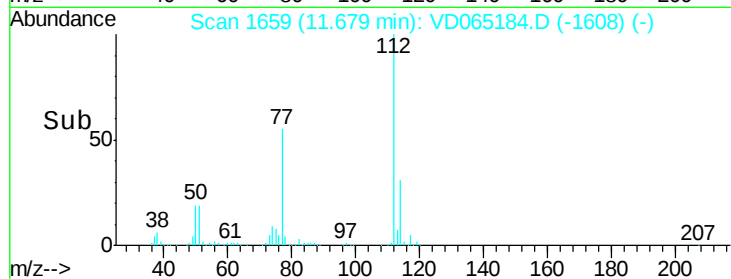
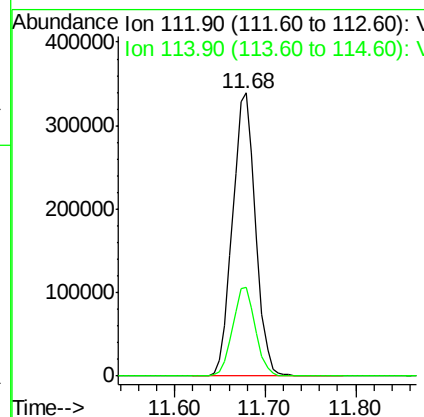
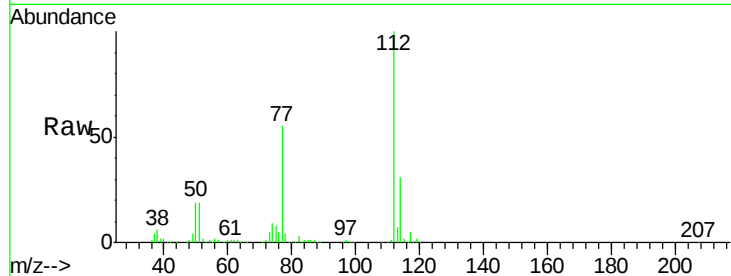
#65
Chlorobenzene
Concen: 53.315 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	597927		
114	31.4	25.4	38.0	

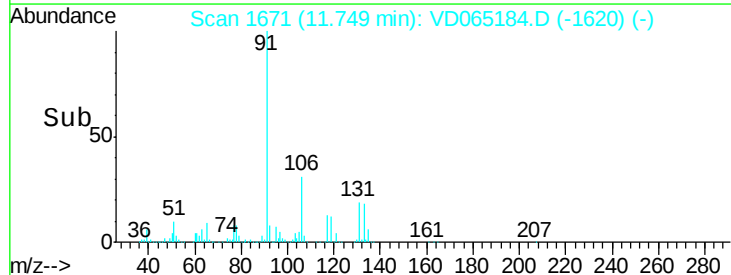
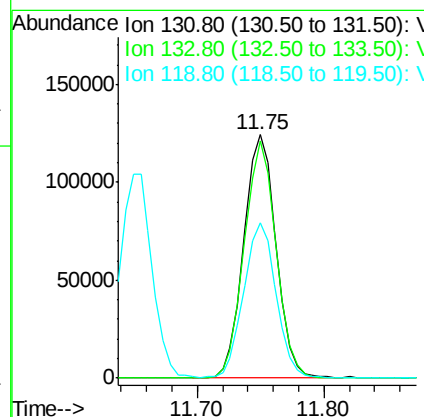
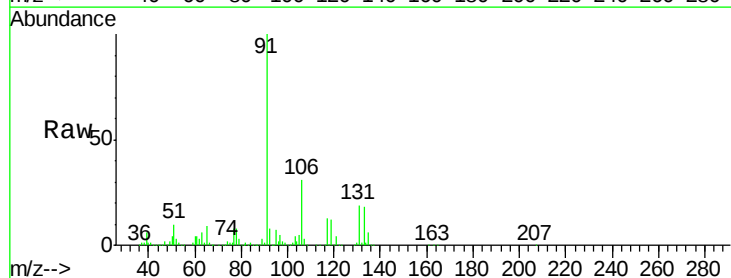
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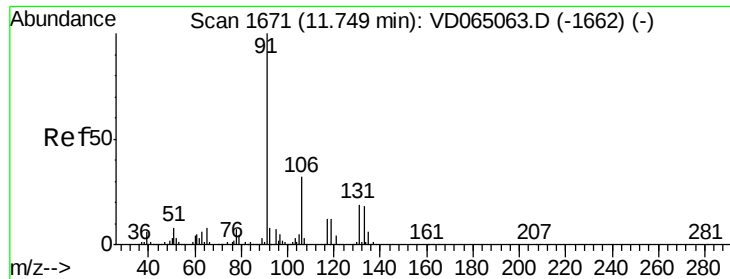
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.130 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	219916		
133	96.2	47.7	143.1	
119	64.3	31.3	93.8	





#67

Ethyl Benzene

Concen: 53.041 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1080745

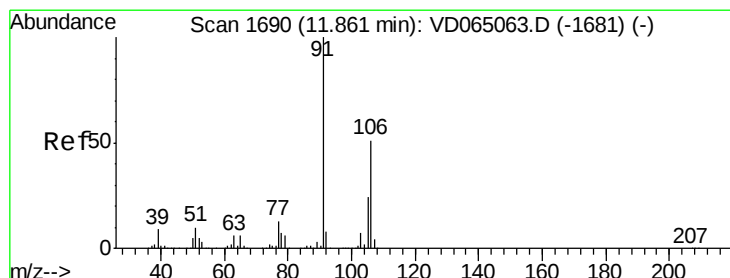
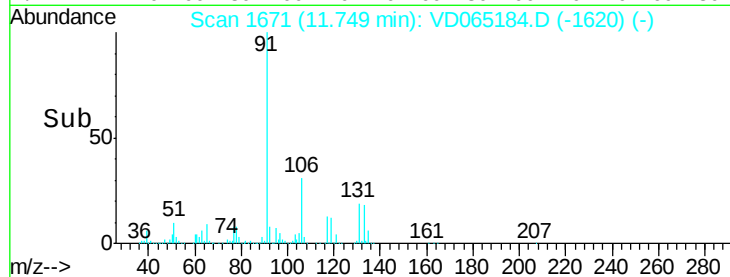
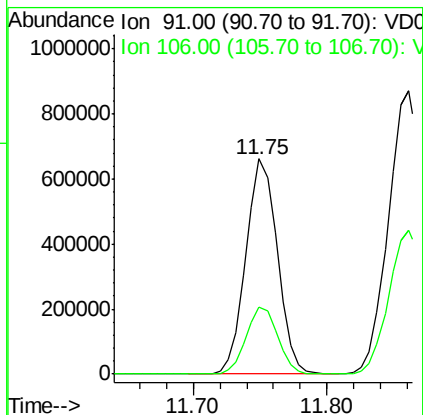
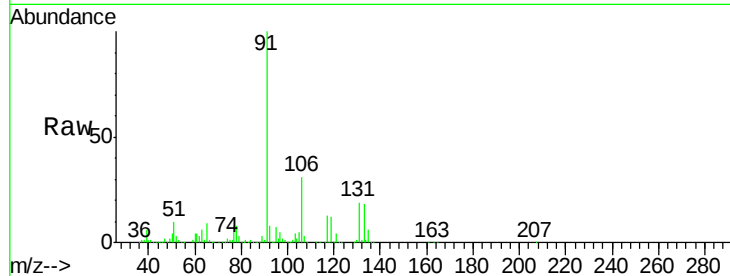
Ion Ratio Lower Upper

91 100

106 31.2 25.4 38.2

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#68

m/p-Xylenes

Concen: 108.072 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065184.D

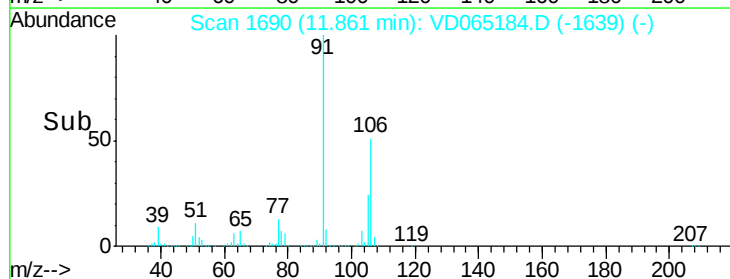
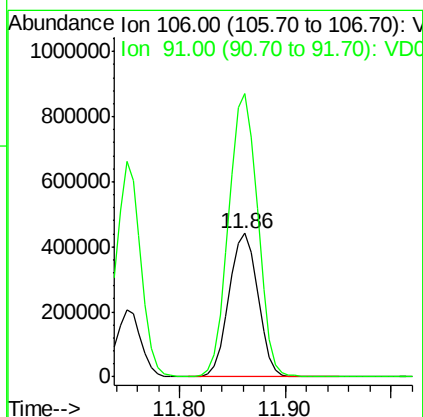
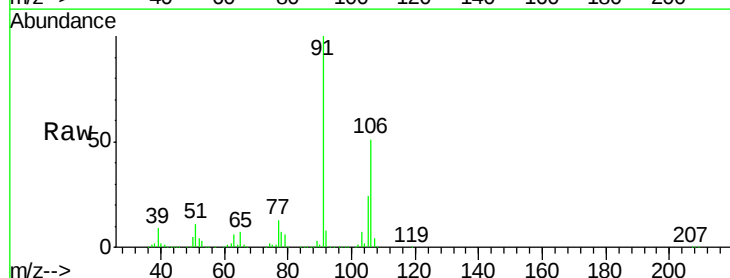
Acq: 14 Feb 2020 10:16

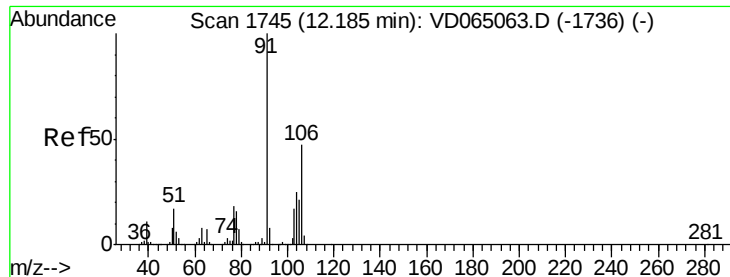
Tgt Ion: 106 Resp: 840453

Ion Ratio Lower Upper

106 100

91 197.5 158.9 238.3





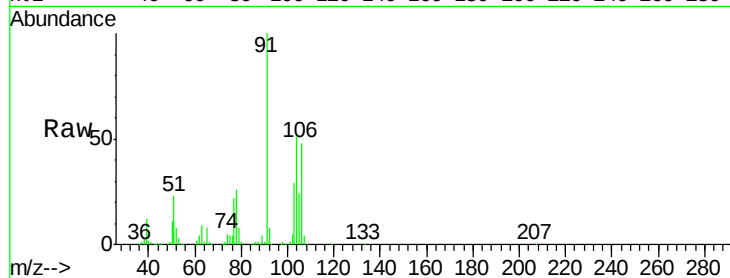
#69
o-Xylene
Concen: 53.061 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

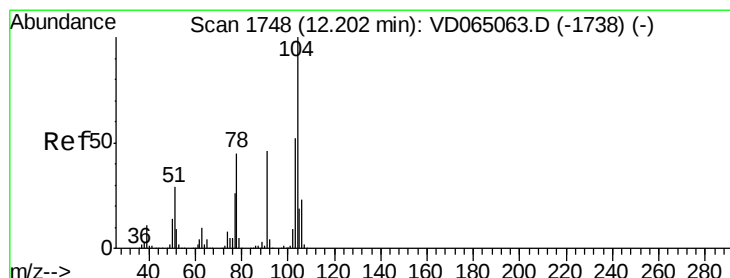
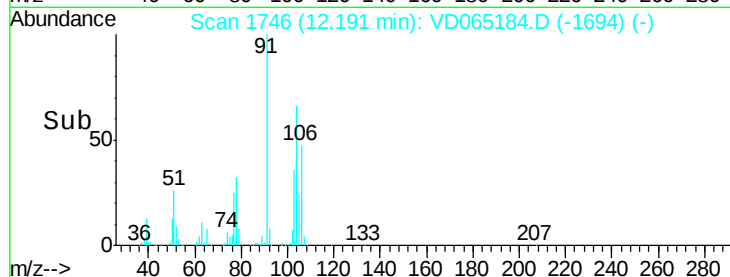
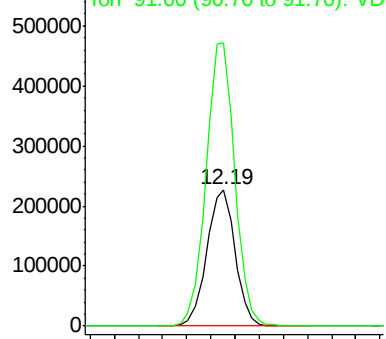
Tot Ion:106 Resp: 371594
Ion Ratio Lower Upper
106 100
91 209.9 104.7 313.9

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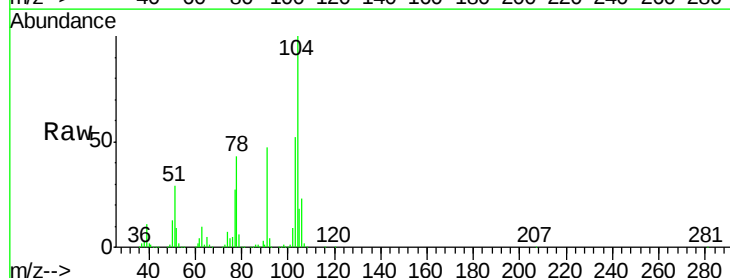


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

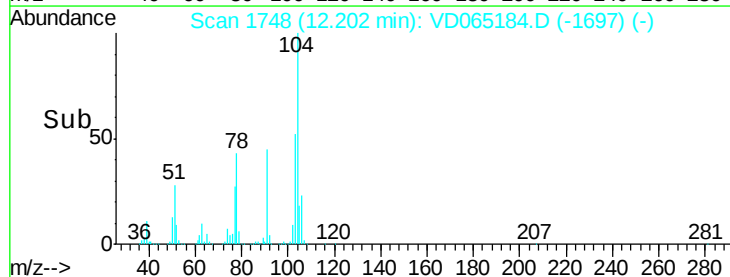
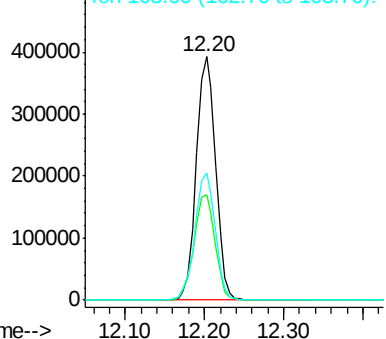


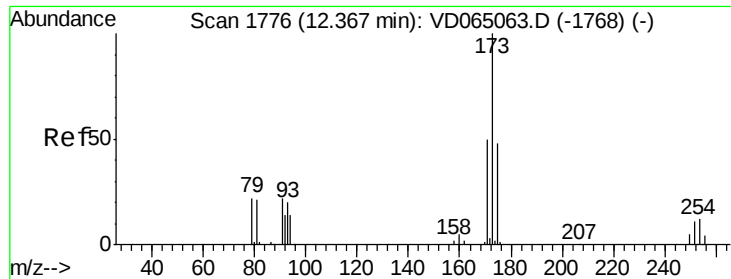
#70
Styrene
Concen: 54.399 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion:104 Resp: 662128
Ion Ratio Lower Upper
104 100
78 46.9 38.5 57.7
103 54.9 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





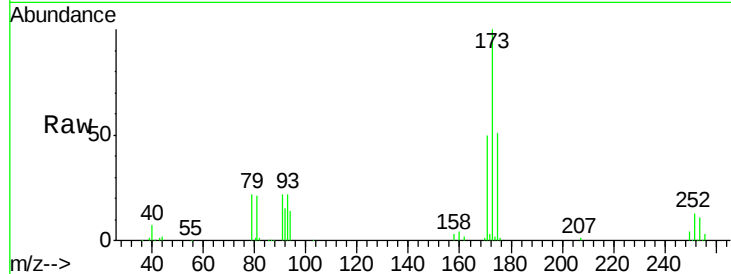
#71
Bromoform
Concen: 50.266 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.8
254	0.2	0.1	0.1#

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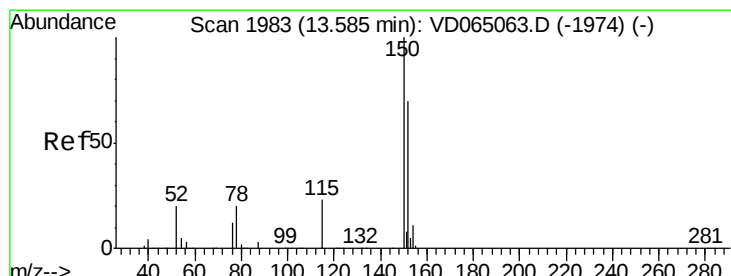
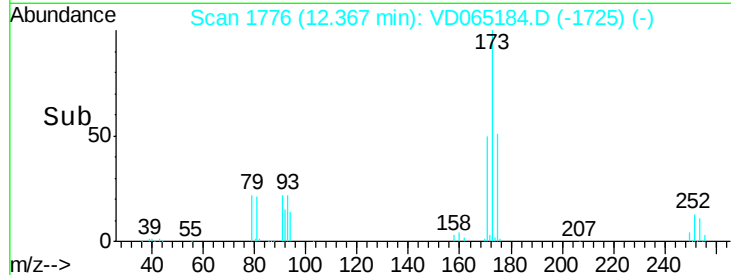
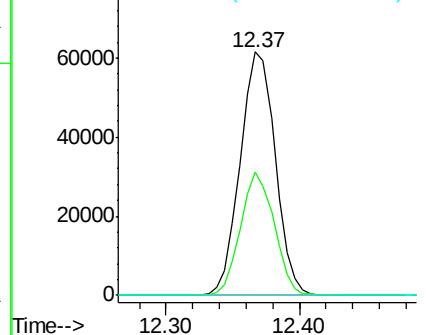


Abundance

Ion 172.70 (172.40 to 173.40): V

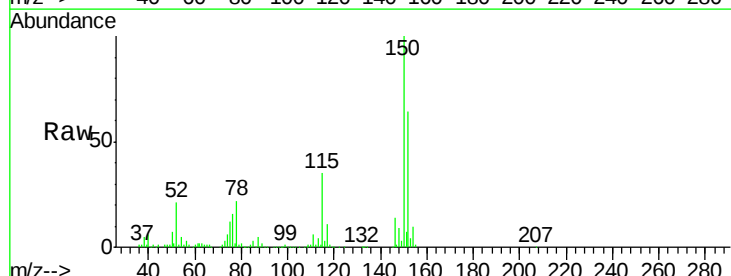
Ion 174.70 (174.40 to 175.40): V

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: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.5	82.4
150	172.5	0.0	343.2

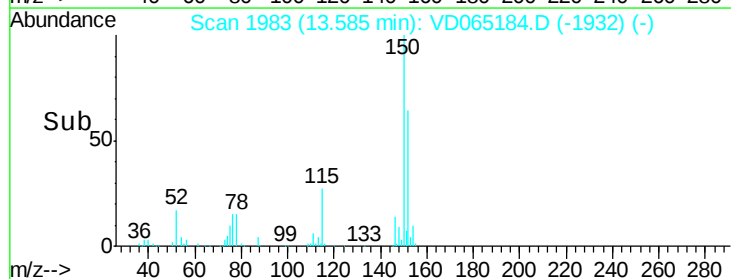
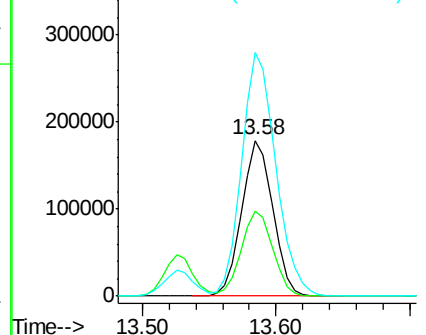


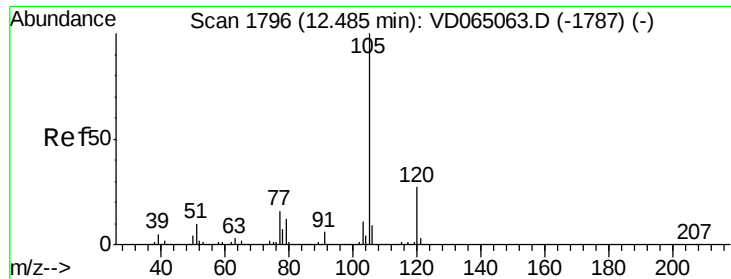
Abundance

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





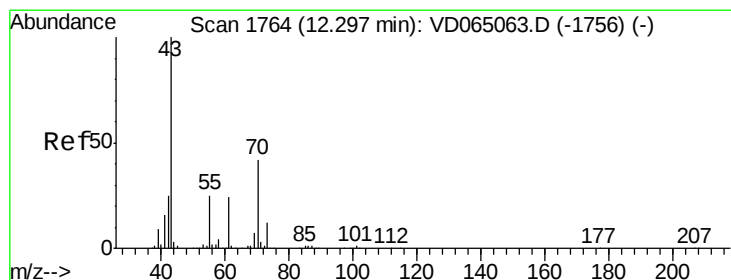
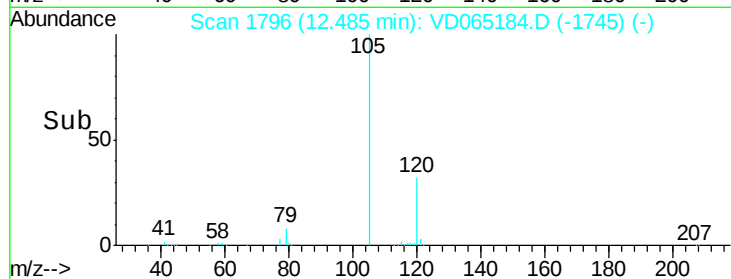
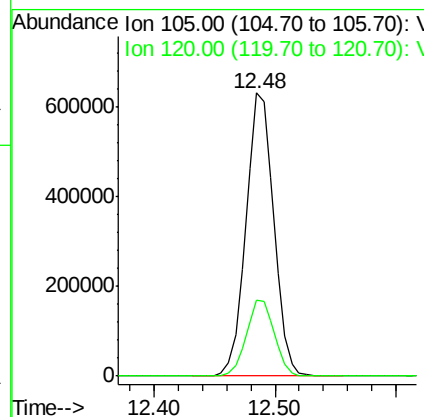
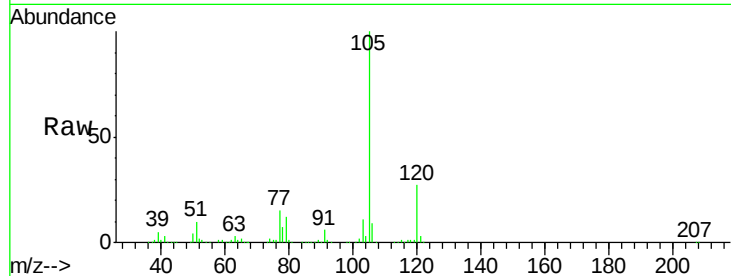
#73
Isopropylbenzene
Concen: 51.431 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1014536
Ion Ratio Lower Upper
105 100
120 27.0 13.3 39.9

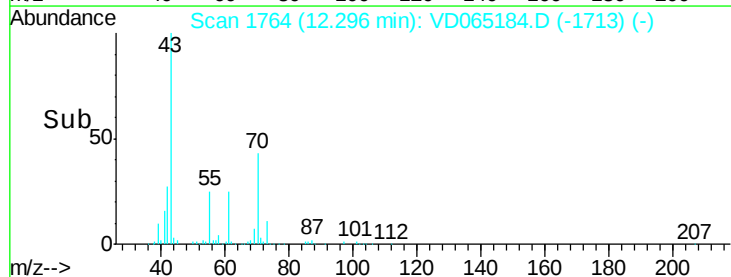
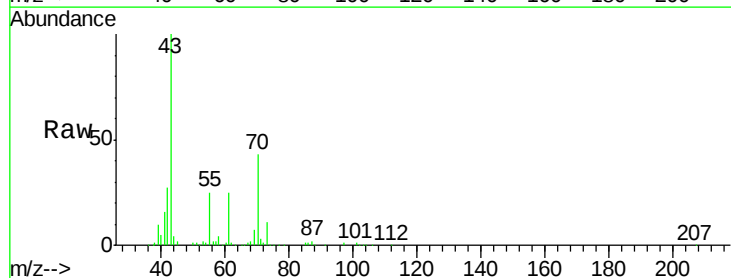
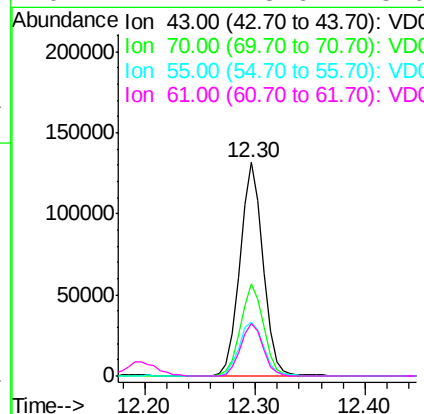
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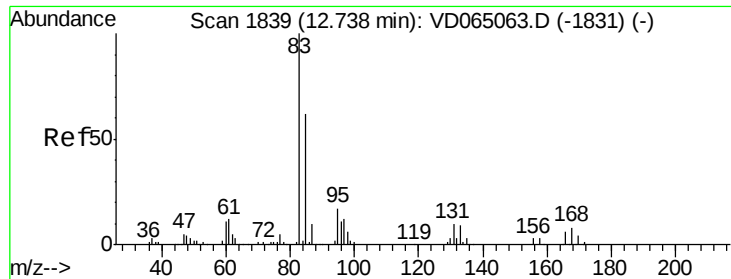
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#74
N-ethyl acetate
Concen: 45.342 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion: 43 Resp: 194404
Ion Ratio Lower Upper
43 100
70 42.7 33.5 50.3
55 27.0 19.4 29.2
61 24.1 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.670 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

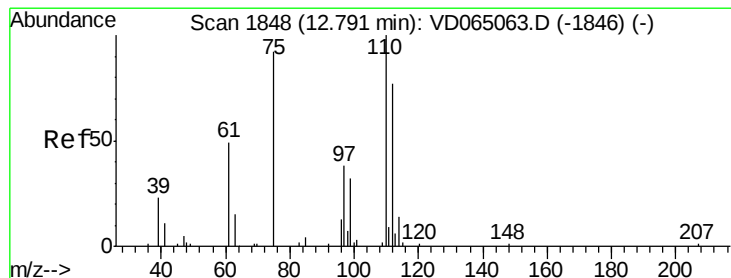
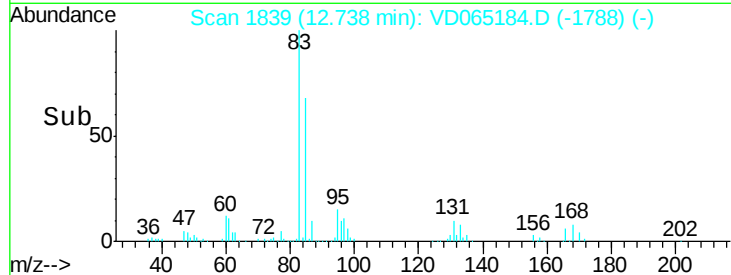
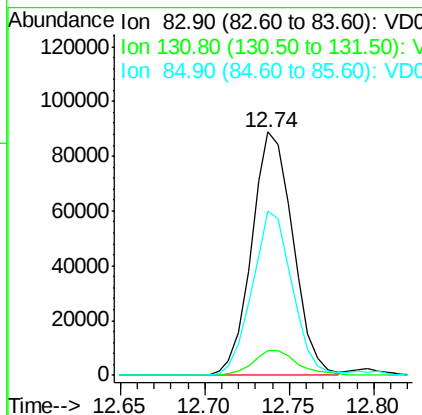
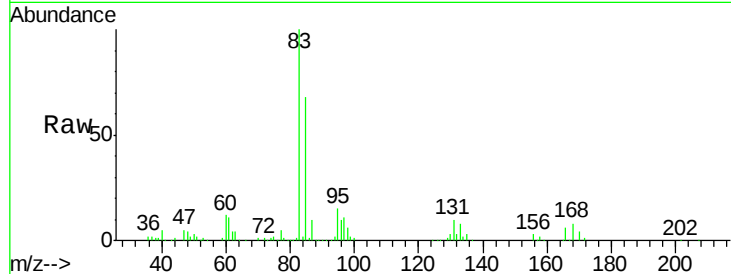
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	151099
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	65.4	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.326 ug/l m

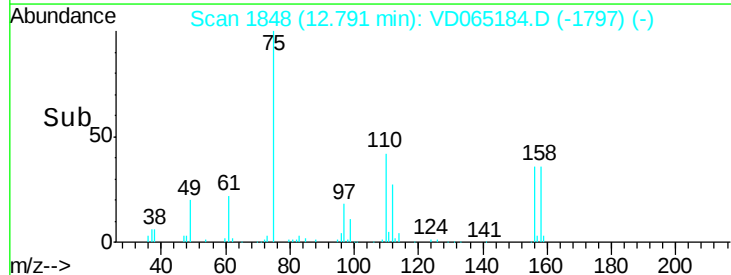
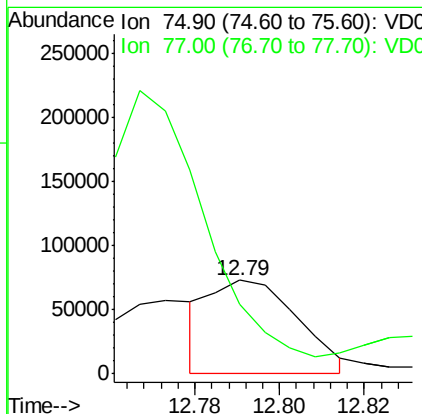
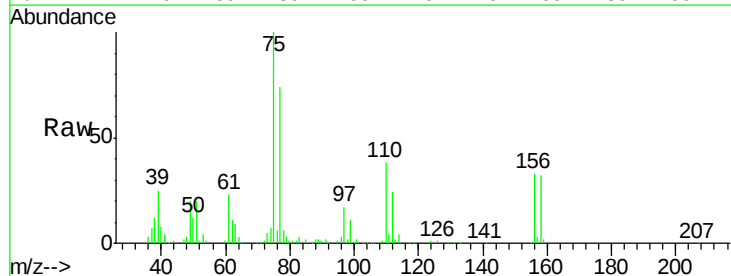
RT: 12.79 min Scan# 1848

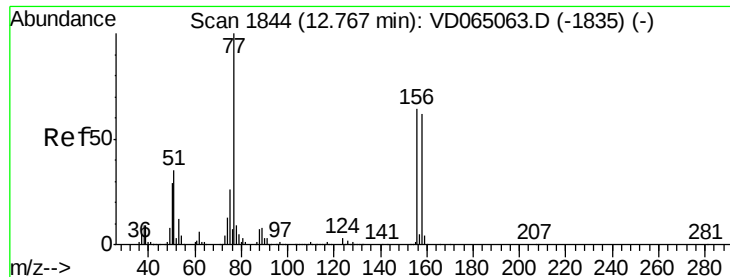
Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Tgt Ion:	75	Resp:	105154
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.041 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

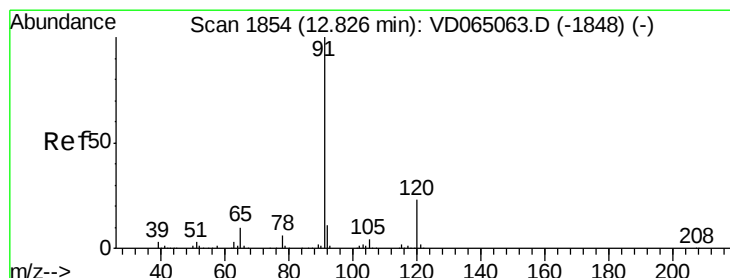
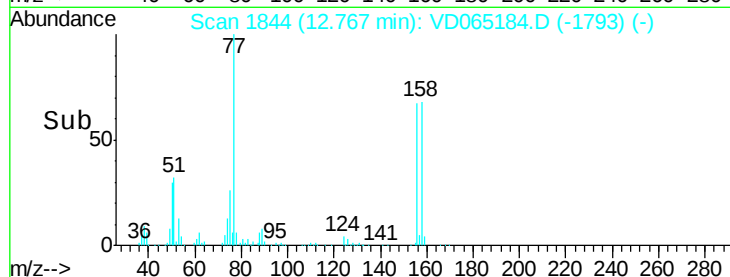
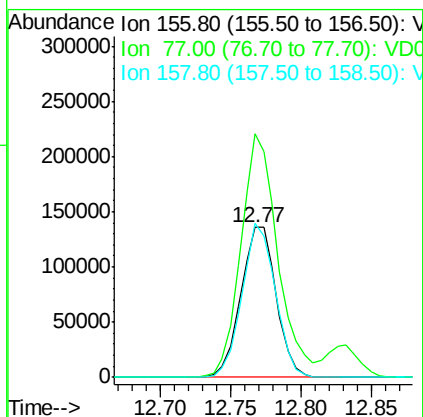
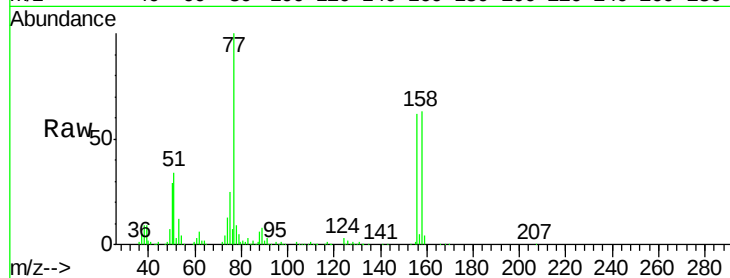
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	237829
Ion Ratio	Lower	Upper	
156	100		
77	169.1	85.6	256.8
158	96.9	47.4	142.2

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#78

n-propylbenzene

Concen: 52.973 ug/l

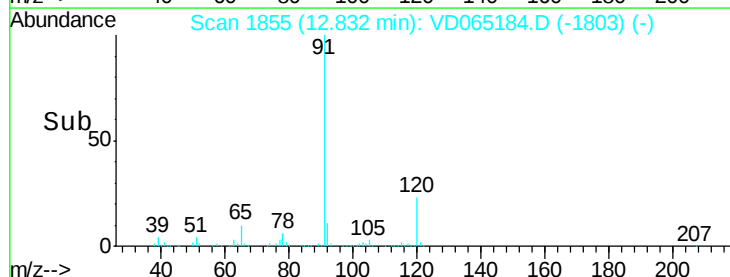
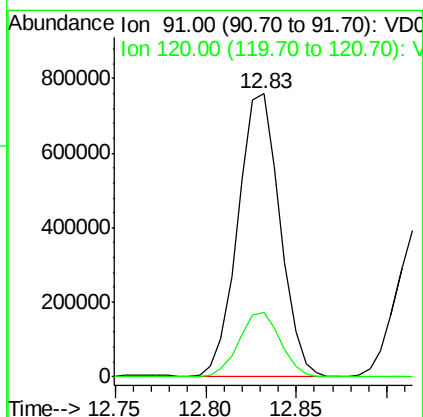
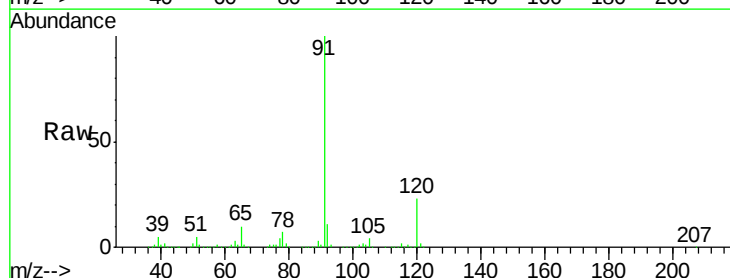
RT: 12.83 min Scan# 1855

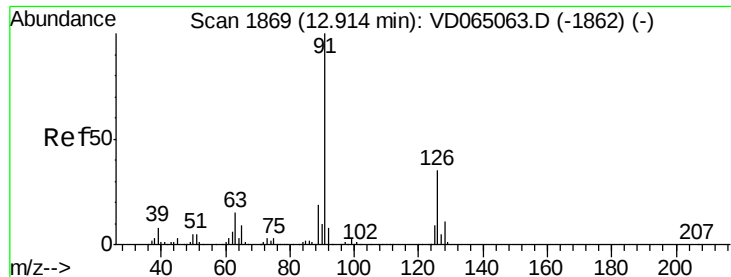
Delta R.T. 0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Tgt Ion:	91	Resp:	1223715
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.8	35.3





#79

2-Chlorotoluene

Concen: 51.445 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 662438

Ion Ratio Lower Upper

91 100

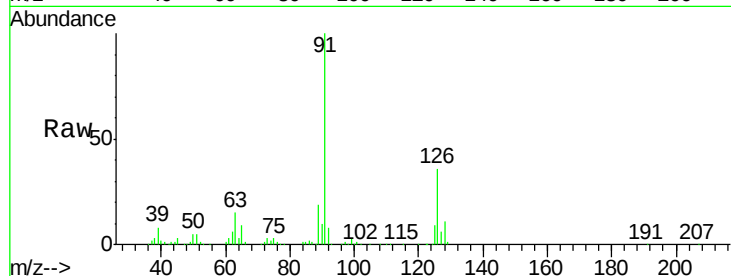
126 34.9 17.4 52.3

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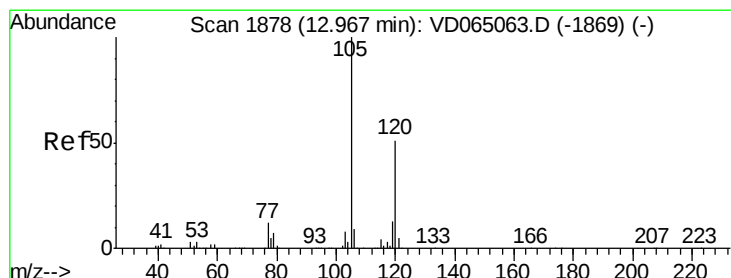
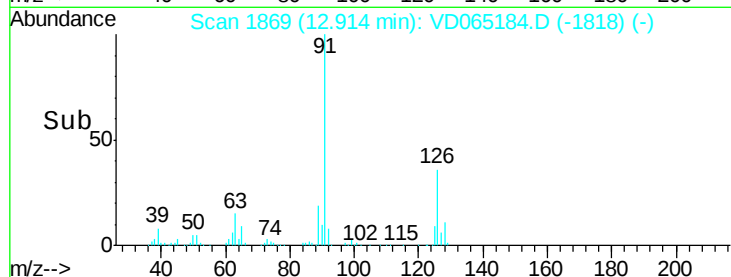
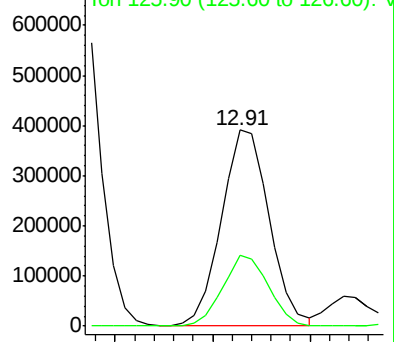
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Abundance Ion 91.00 (90.70 to 91.70): VD065184.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.340 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065184.D

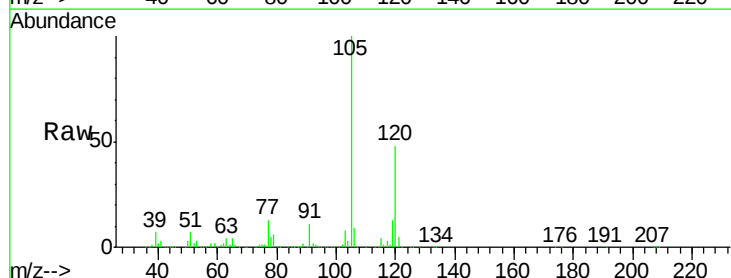
Acq: 14 Feb 2020 10:16

Tgt Ion: 105 Resp: 844657

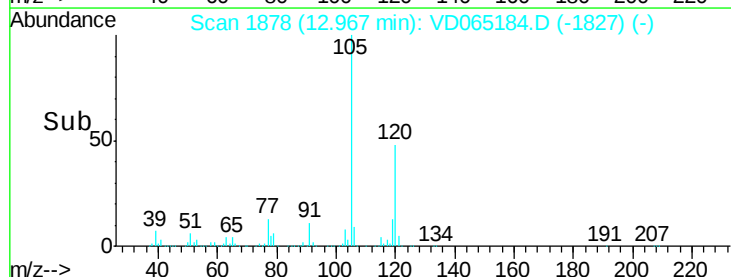
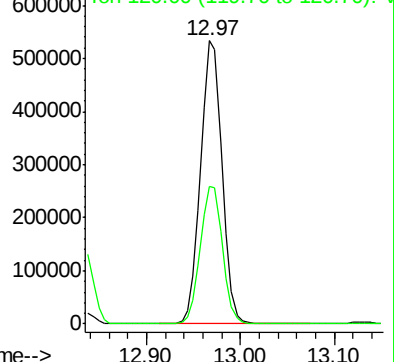
Ion Ratio Lower Upper

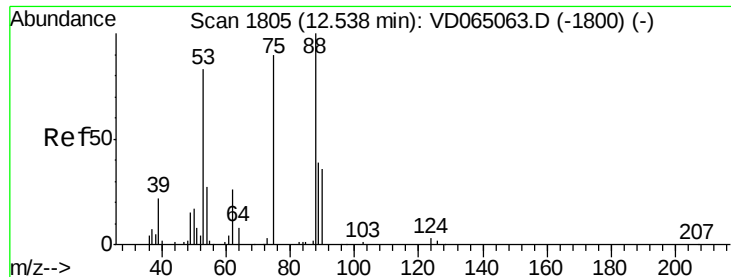
105 100

120 50.0 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065184.D (-1827) (-)





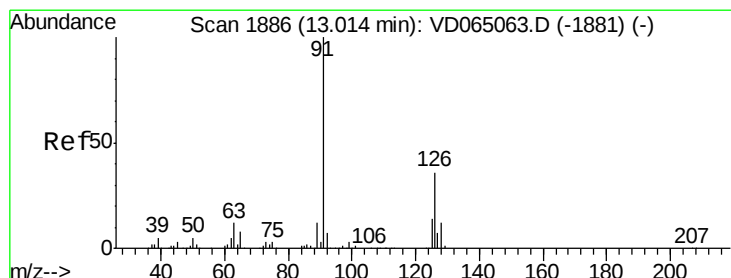
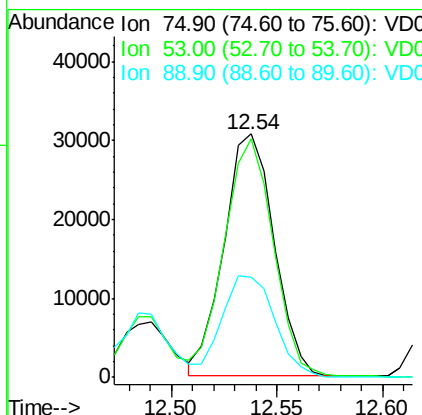
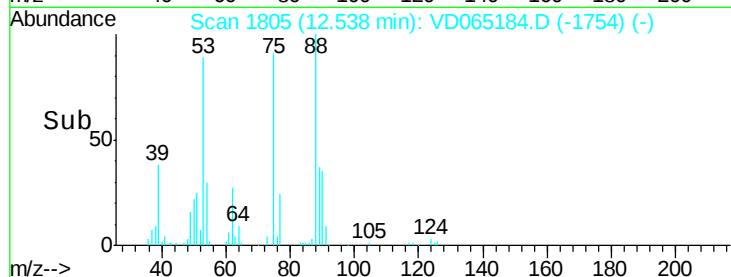
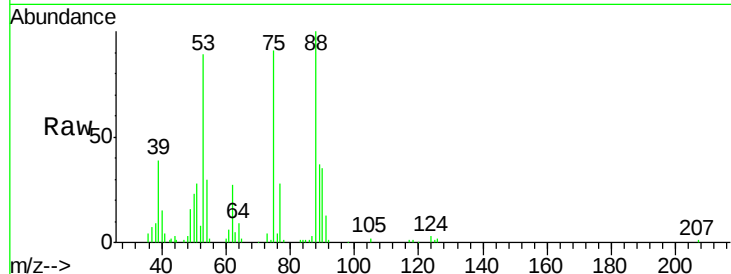
#81
trans-1,4-Dichloro-2-butene
Concen: 46.491 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.5	78.5	117.7
89	43.2	37.0	55.4

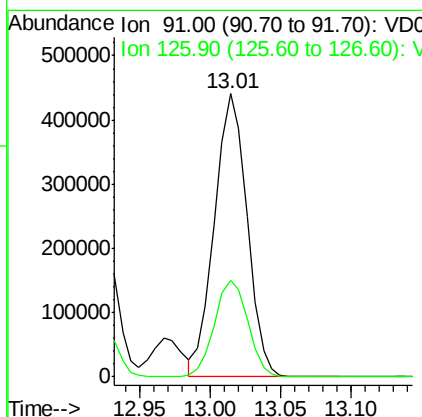
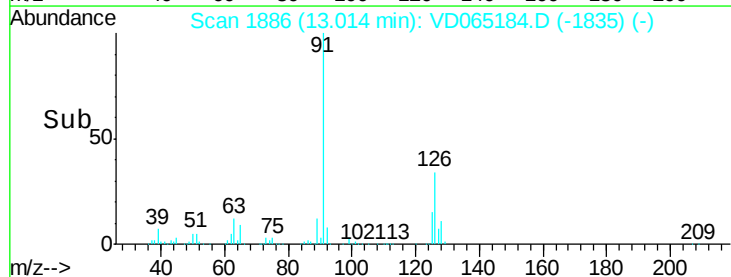
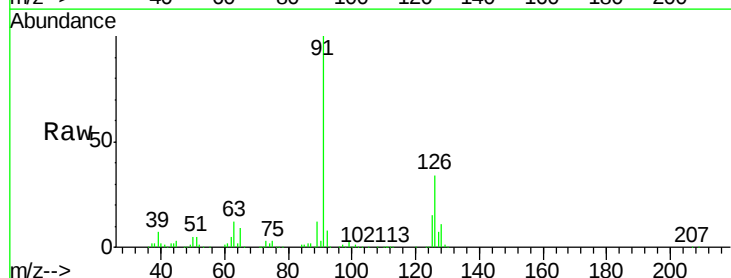
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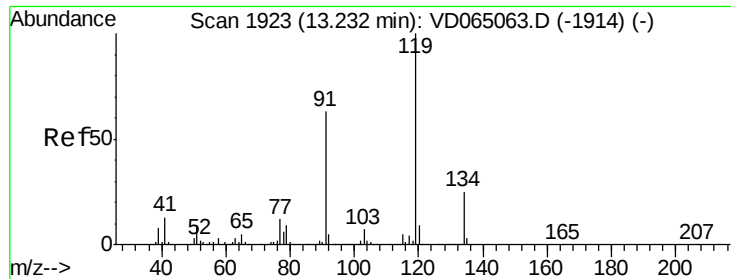
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#82
4-Chlorotoluene
Concen: 52.343 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.5





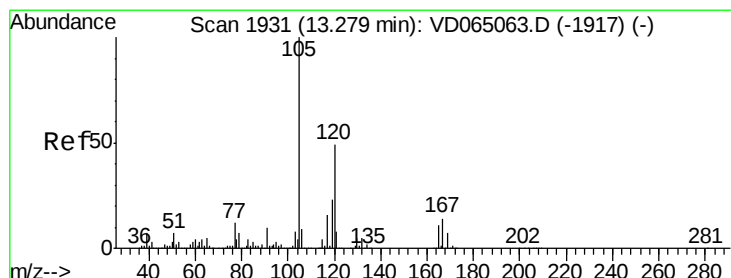
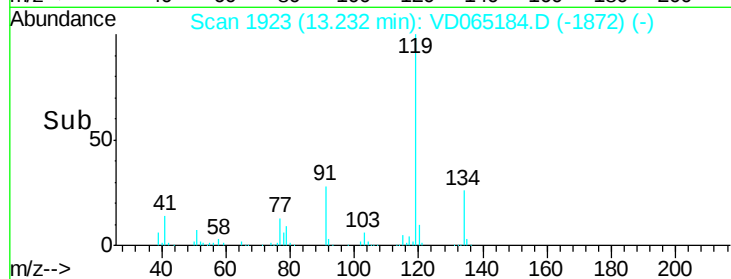
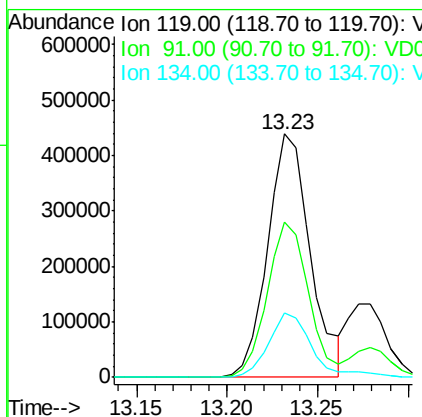
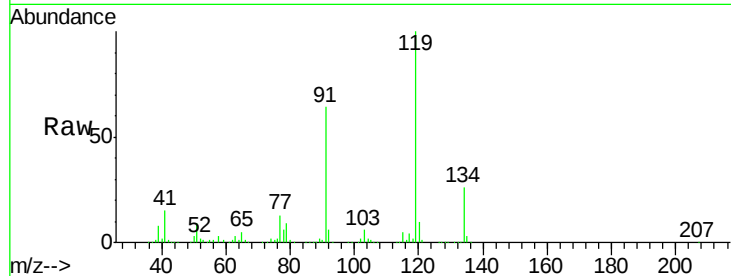
#83
tert-Butylbenzene
Concen: 51.672 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	32.3	96.9
134	27.3	13.8	41.3

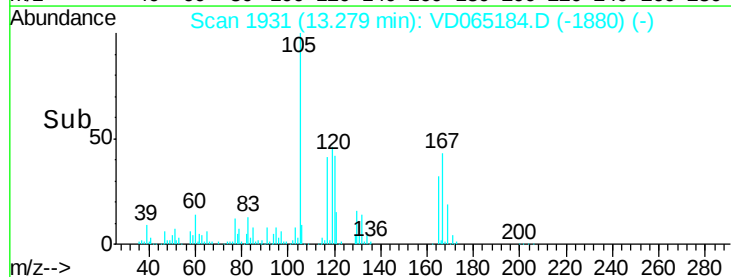
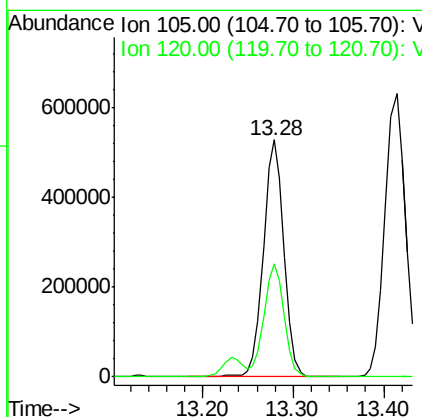
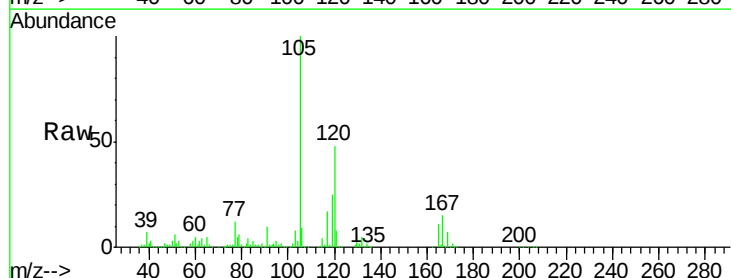
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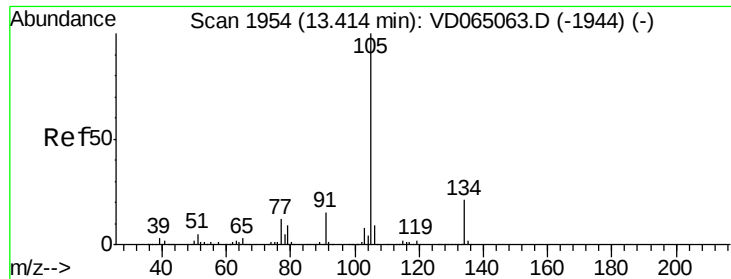
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#84
1,2,4-Trimethylbenzene
Concen: 52.172 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.5	70.5





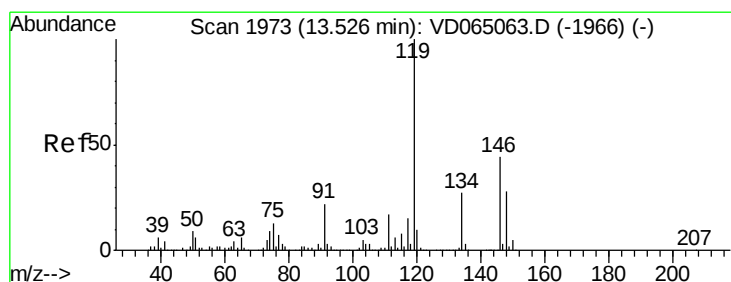
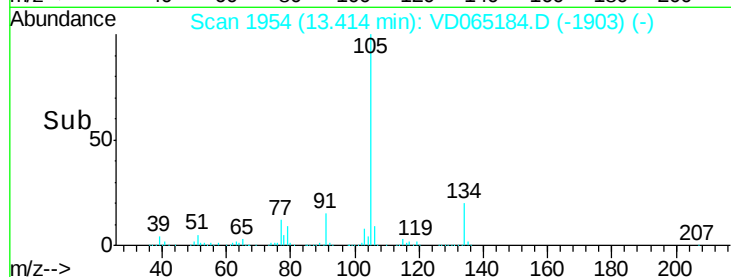
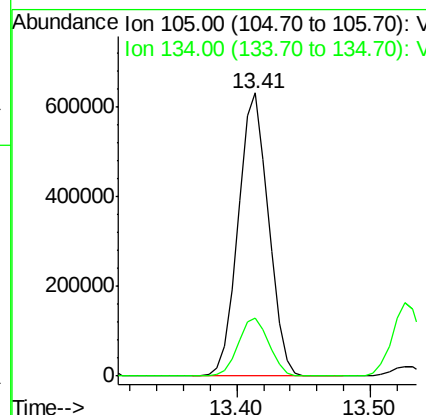
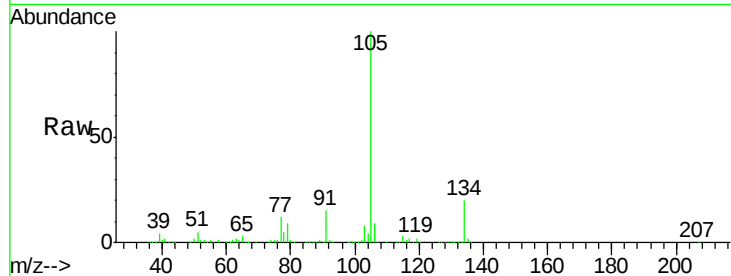
#85
 sec-Butylbenzene
 Concen: 52.188 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.4	31.1

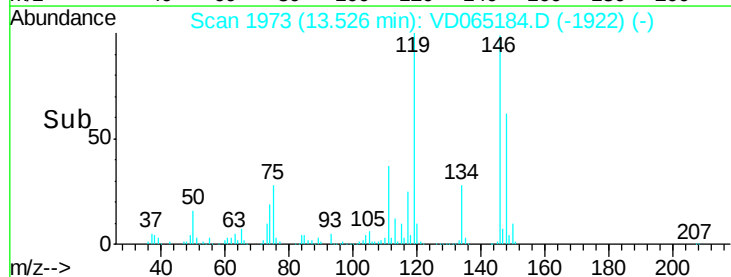
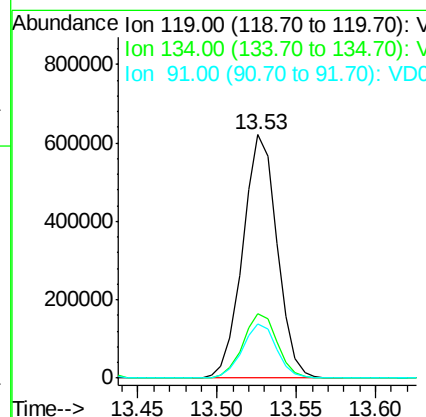
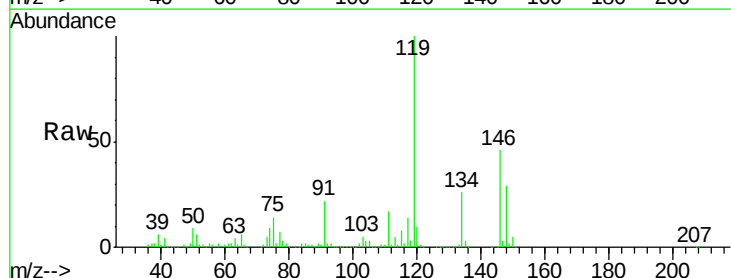
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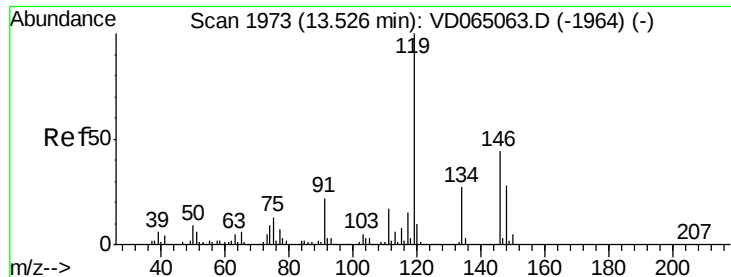
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#86
 p-Isopropyltoluene
 Concen: 52.485 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.5
91	22.2	11.3	33.9





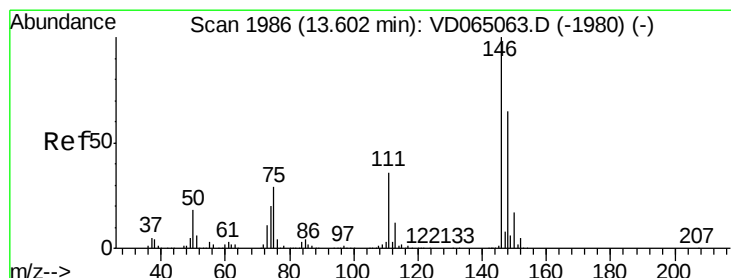
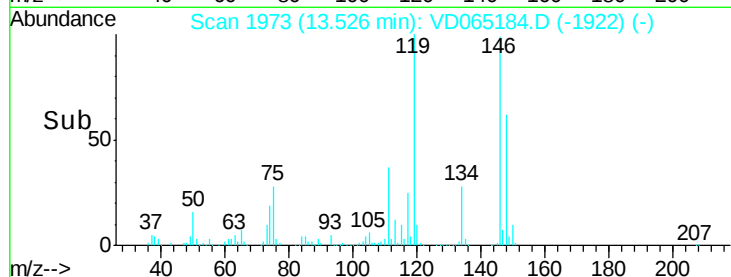
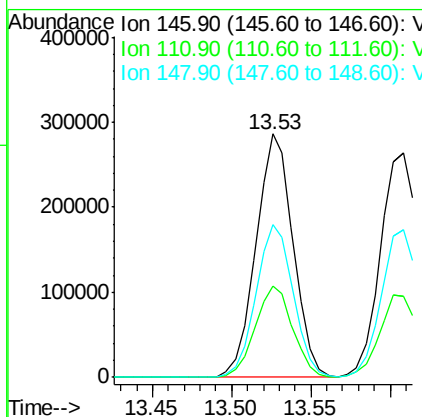
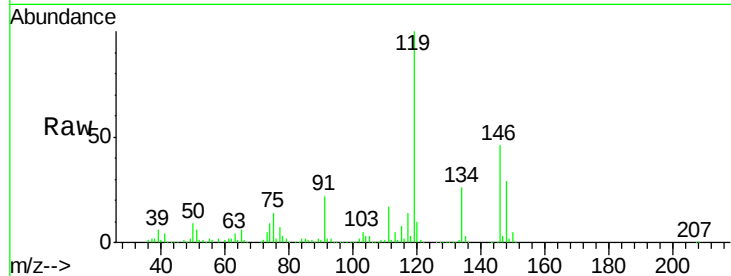
#87
 1,3-Dichlorobenzene
 Concen: 52.234 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	464801		
111	38.0	19.4	58.4	
148	63.1	32.3	96.8	

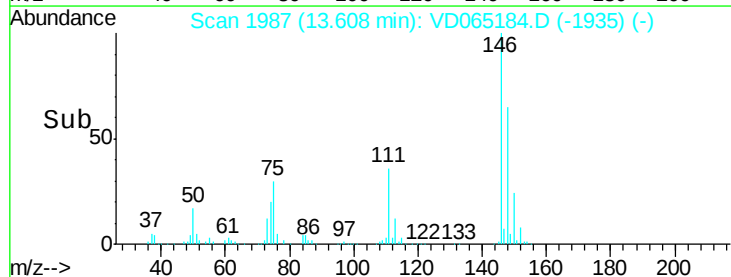
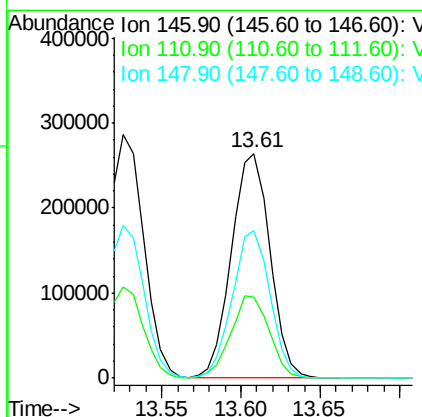
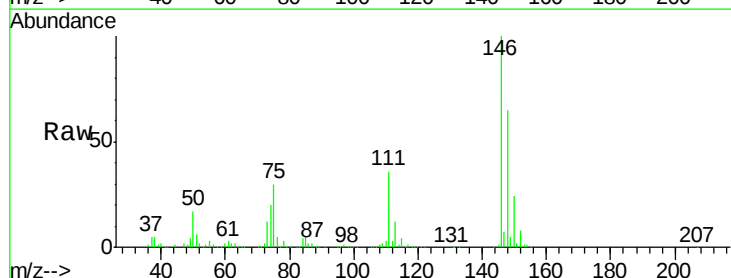
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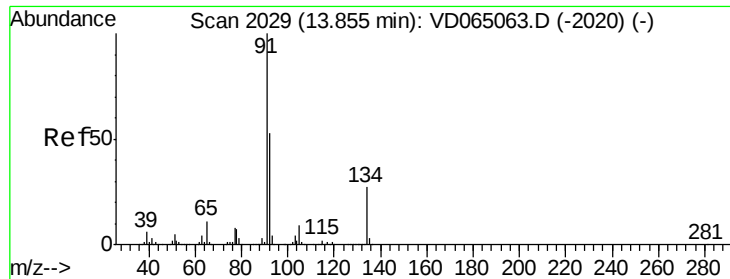
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#88
 1,4-Dichlorobenzene
 Concen: 50.438 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	446707		
111	36.5	18.5	55.5	
148	64.2	32.7	98.1	





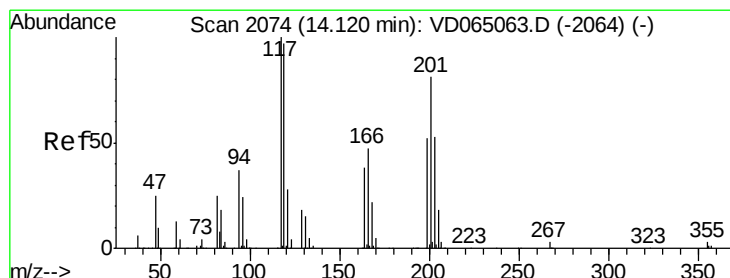
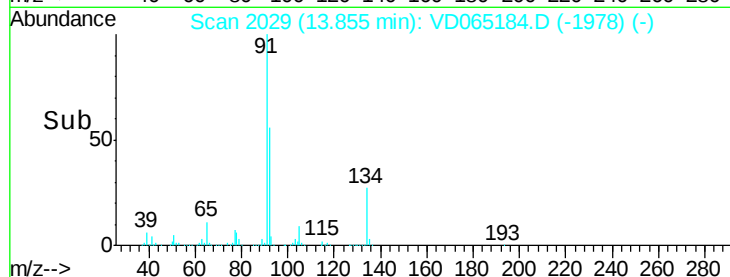
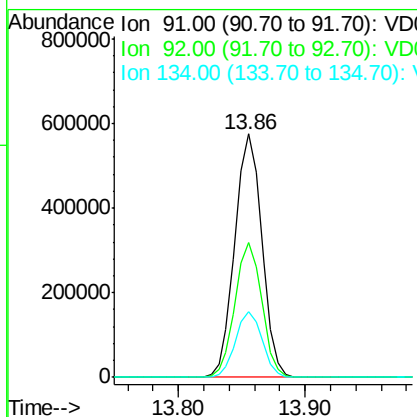
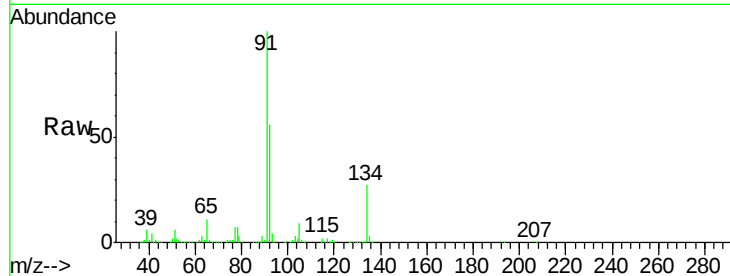
#89
n-Butylbenzene
Concen: 52.174 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	26.7	80.1
134	26.8	13.4	40.2

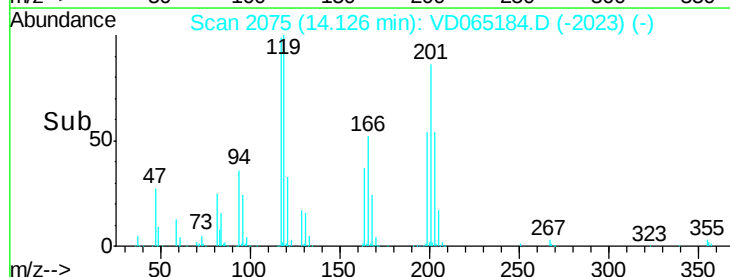
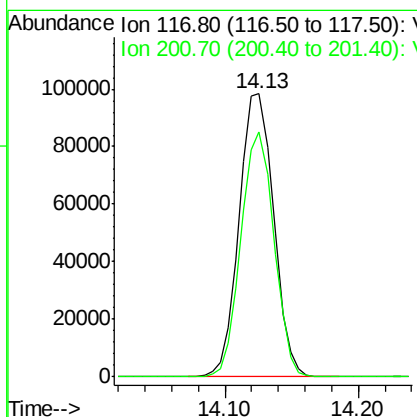
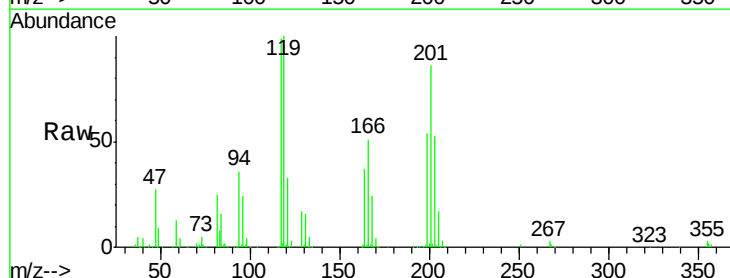
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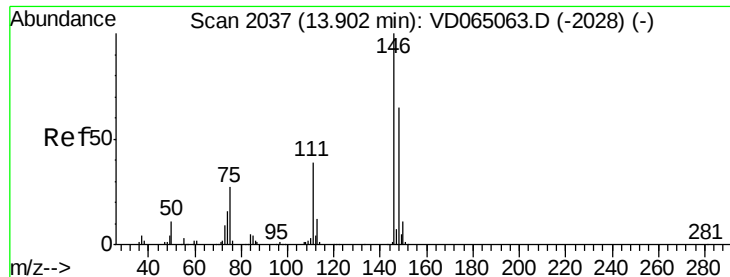
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#90
Hexachloroethane
Concen: 52.723 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	42.5	127.6





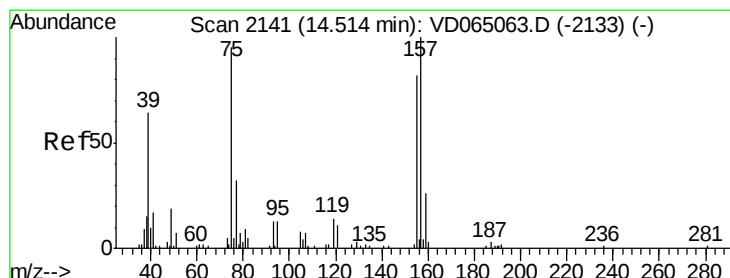
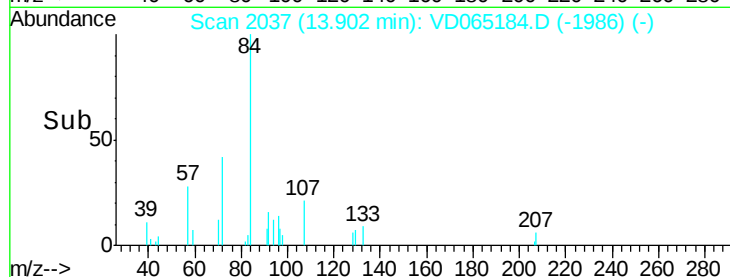
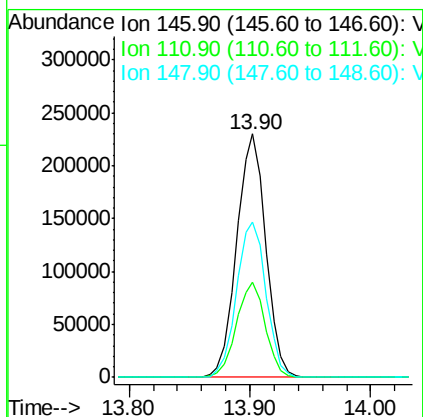
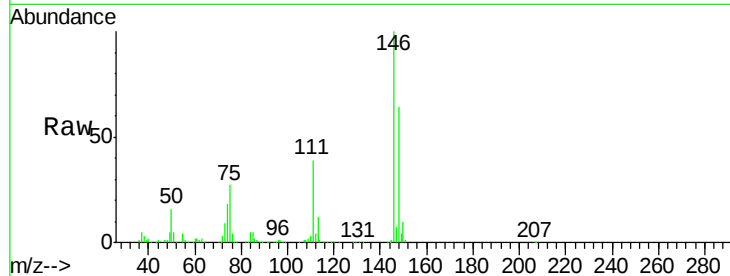
#91
1,2-Dichlorobenzene
Concen: 50.569 ug/l
RT: 13.90 min Scan# 2037
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.7	31.9	95.5

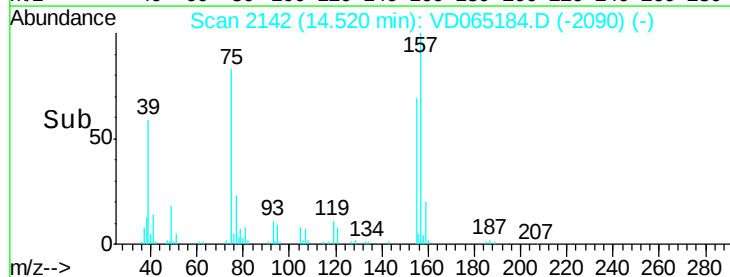
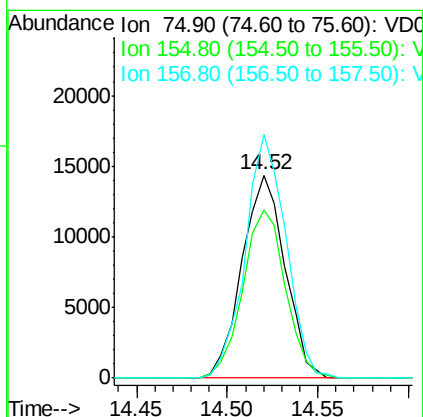
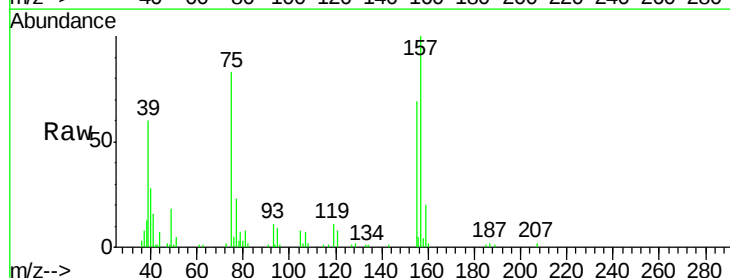
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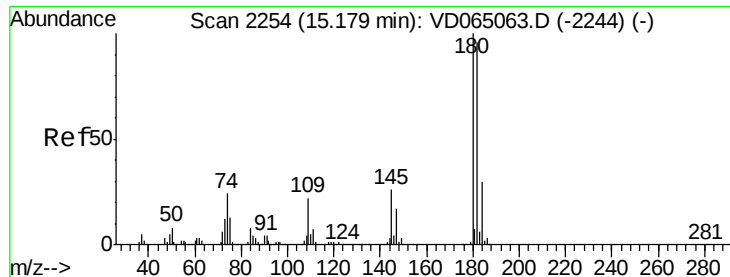
MMDadoda
2/17/2020 10:35:07 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.563 ug/l
RT: 14.52 min Scan# 2142
Delta R.T. 0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	43.4	130.1
157	113.9	55.8	167.3





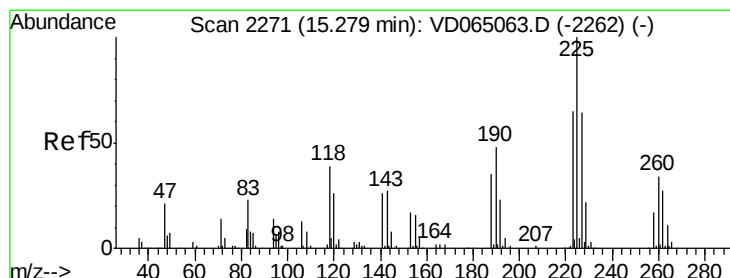
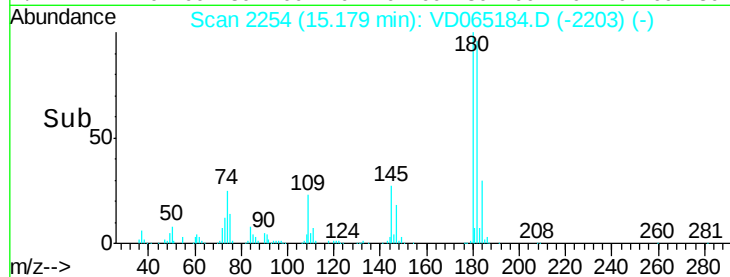
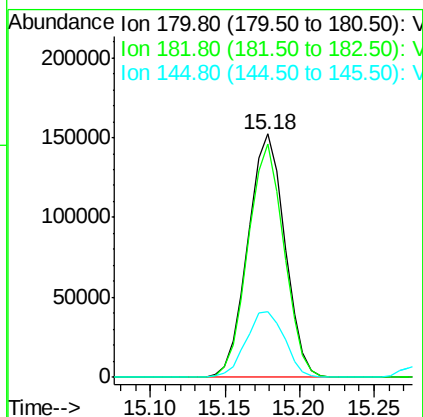
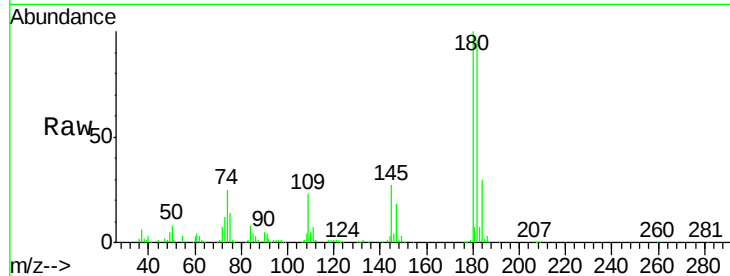
#93
 1,2,4-Trichlorobenzene
 Concen: 47.734 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	260036		
182	93.8		47.4	142.3
145	28.2		14.1	42.4

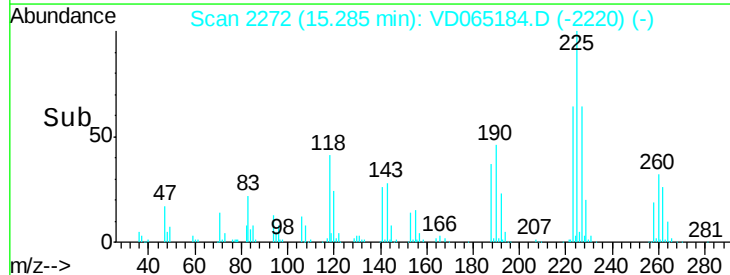
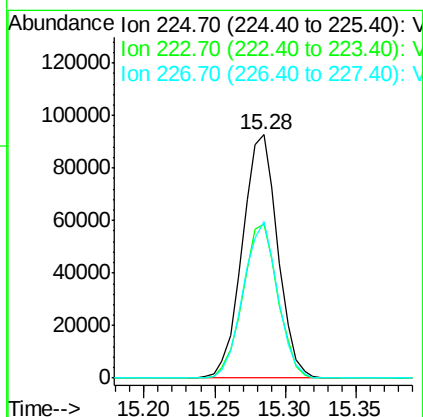
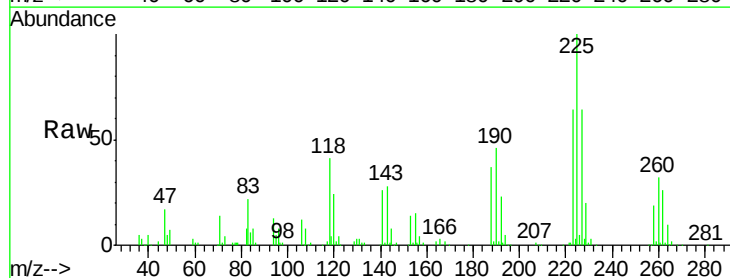
Manual Integrations
 APPROVED

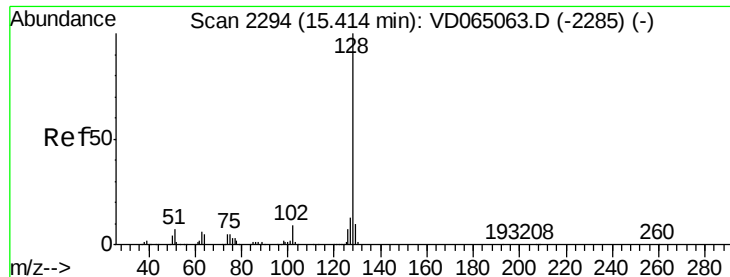
MMDadoda
 2/17/2020 10:35:07 AM



#94
 Hexachlorobutadiene
 Concen: 48.346 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	161940		
223	62.9		31.4	94.0
227	62.8		31.8	95.3





#95

Naphthalene

Concen: 43.446 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

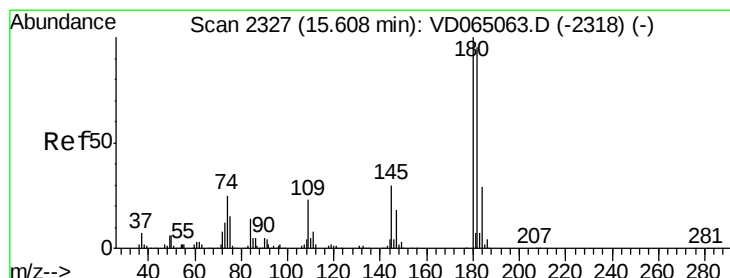
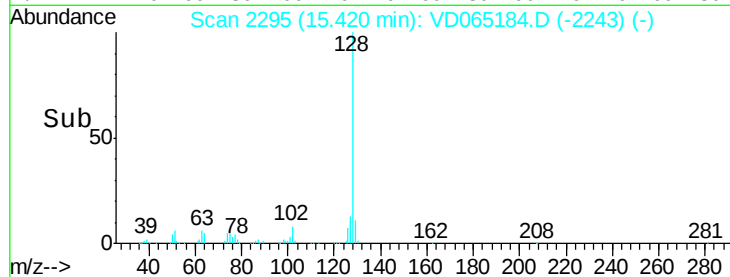
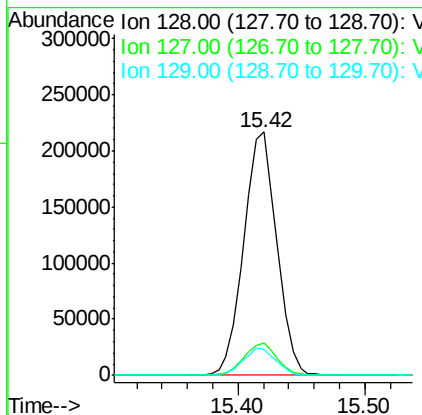
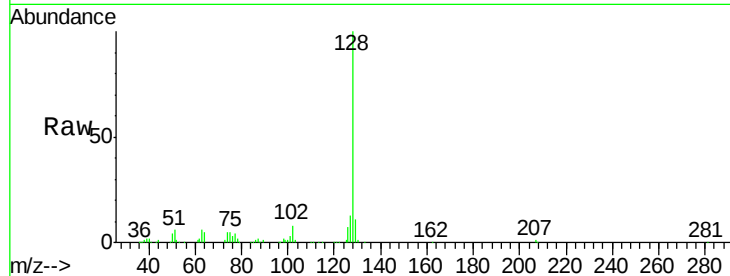
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	393377
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/17/2020 10:35:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 46.147 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Tgt Ion:	180	Resp:	215028
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.1	141.4
145	31.1	14.9	44.9

