

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065306.D
 Acq On : 25 Feb 2020 12:46
 Operator : VA/SY
 Sample : VD0225SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Manual Integrations
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MMDadoda
 2/26/2020 10:25:40 AM

Quant Time: Feb 25 23:46:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	468022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	695784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	630975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315554	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	210256	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	7.92	113	218041	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.34	98	872358	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
62) 4-Bromofluorobenzene	12.64	95	276427	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	71911	18.319	ug/l	100
3) Chloromethane	2.21	50	95970	19.208	ug/l	99
4) Vinyl Chloride	2.35	62	96883	19.069	ug/l	97
5) Bromomethane	2.76	94	57900	18.848	ug/l	97
6) Chloroethane	2.92	64	60897	19.636	ug/l	98
7) Trichlorofluoromethane	3.27	101	145597	20.016	ug/l	95
8) Diethyl Ether	3.71	74	44633	20.328	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	96295	20.963	ug/l	100
10) Methyl Iodide	4.29	142	85323	17.890	ug/l	99
11) Tert butyl alcohol	5.24	59	23145	91.993	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	90551	20.868	ug/l	95
13) Acrolein	3.93	56	37687	105.363	ug/l	99
14) Allyl chloride	4.71	41	137668	19.537	ug/l	98
15) Acrylonitrile	5.43	53	96318	99.082	ug/l	100
16) Acetone	4.16	43	92420	89.796	ug/l	97
17) Carbon Disulfide	4.40	76	284649	19.566	ug/l	100
18) Methyl Acetate	4.73	43	48527	20.964	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	179084	19.791	ug/l	97
20) Methylene Chloride	4.97	84	107148	20.683	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	100820	20.438	ug/l	95
22) Diisopropyl ether	6.37	45	276055	20.322	ug/l	99
23) Vinyl Acetate	6.31	43	714729	95.438	ug/l	100
24) 1,1-Dichloroethane	6.26	63	172771	20.505	ug/l	98
25) 2-Butanone	7.22	43	120391	92.453	ug/l	96
26) 2,2-Dichloropropane	7.21	77	147136	20.127	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	103387	19.786	ug/l	98
28) Bromochloromethane	7.55	49	59723	19.106	ug/l	98
29) Tetrahydrofuran	7.57	42	74297	97.377	ug/l	99
30) Chloroform	7.71	83	172009	20.263	ug/l	98
31) Cyclohexane	7.98	56	169469	20.471	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	156756	20.639	ug/l	100
36) 1,1-Dichloropropene	8.11	75	138458	20.452	ug/l	99
37) Ethyl Acetate	7.30	43	52378	18.507	ug/l	98
38) Carbon Tetrachloride	8.10	117	142711	20.707	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	161896	20.341	ug/l	98
40) Benzene	8.35	78	392288	20.529	ug/l	98
41) Methacrylonitrile	7.53	41	30831	18.867	ug/l	98
42) 1,2-Dichloroethane	8.43	62	105900	20.159	ug/l	98
43) Isopropyl Acetate	8.46	43	99426	19.319	ug/l	99
44) Trichloroethene	9.11	130	110006	20.768	ug/l	99
45) 1,2-Dichloropropane	9.39	63	97005	20.415	ug/l	94
46) Dibromomethane	9.48	93	49107	20.086	ug/l	98
47) Bromodichloromethane	9.67	83	130873	20.313	ug/l	98
48) Methyl methacrylate	9.46	41	47264	19.868	ug/l	98
49) 1,4-Dioxane	9.47	88	11463	399.772	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	259788	99.383	ug/l	99
52) Toluene	10.41	92	256028	21.646	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	122184	20.459	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	148777	20.631	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	72386	21.036	ug/l	98
56) Ethyl methacrylate	10.67	69	78184	19.685	ug/l	99
57) 1,3-Dichloropropane	10.95	76	120044	20.497	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	121326	96.892	ug/l	100
59) 2-Hexanone	10.99	43	177487	94.851	ug/l	100
60) Dibromochloromethane	11.14	129	90922	20.644	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67690	20.776	ug/l	99
64) Tetrachloroethene	10.88	164	99481	22.230	ug/l	98
65) Chlorobenzene	11.67	112	267019	21.088	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96733	20.472	ug/l	98
67) Ethyl Benzene	11.75	91	456648	20.592	ug/l	100
68) m/p-Xylenes	11.86	106	359635	42.387	ug/l	100
69) o-Xylene	12.18	106	158153	21.040	ug/l	99
70) Styrene	12.20	104	280233	20.998	ug/l	100
71) Bromoform	12.37	173	54799	20.900	ug/l #	100
73) Isopropylbenzene	12.48	105	434155	20.782	ug/l	99
74) N-amyl acetate	12.30	43	88654	19.098	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	75026	19.899	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	59854m	22.293	ug/l	
77) Bromobenzene	12.77	156	106047	20.442	ug/l	99
78) n-propylbenzene	12.83	91	526930	20.989	ug/l	99
79) 2-Chlorotoluene	12.91	91	288448	20.509	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	363096	21.102	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24022	19.319	ug/l	96
82) 4-Chlorotoluene	13.01	91	305840	20.483	ug/l	99
83) tert-Butylbenzene	13.23	119	291921	20.242	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	357289	20.746	ug/l	99
85) sec-Butylbenzene	13.41	105	421787	20.297	ug/l	100
86) p-Isopropyltoluene	13.53	119	390124	20.529	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	206155	20.556	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	203091	20.518	ug/l	99
89) n-Butylbenzene	13.85	91	356453	20.355	ug/l	99
90) Hexachloroethane	14.12	117	78511	20.347	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	175619	20.394	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11692	20.123	ug/l	100

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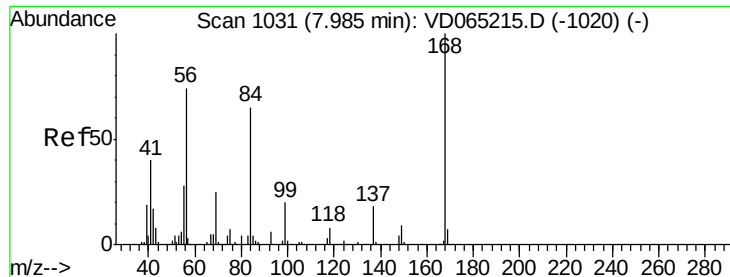
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113842	20.211	ug/l	96
94) Hexachlorobutadiene	15.28	225	75282	20.835	ug/l	99
95) Naphthalene	15.41	128	179243	19.575	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102504	20.837	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion:168 Resp: 468022

Ion Ratio Lower Upper

168 100

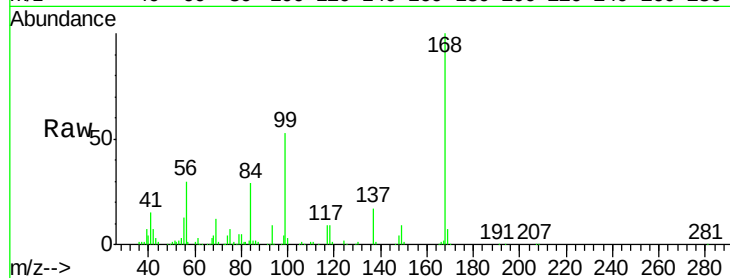
99 52.8 41.4 62.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

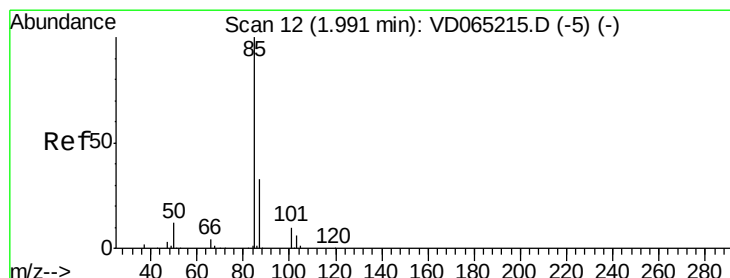
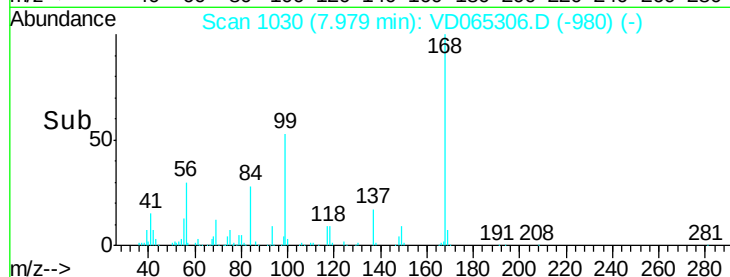
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.319 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065306.D

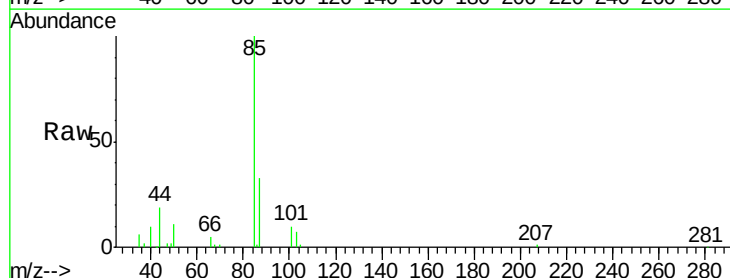
Acq: 25 Feb 2020 12:46

Tgt Ion: 85 Resp: 71911

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

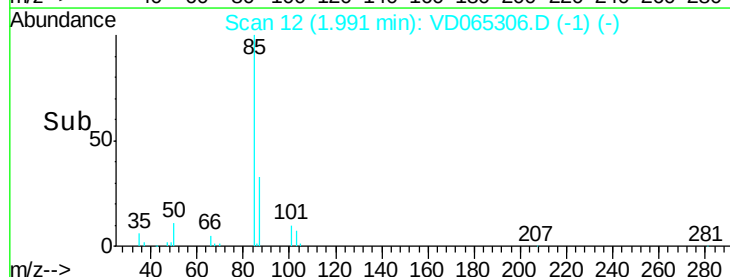
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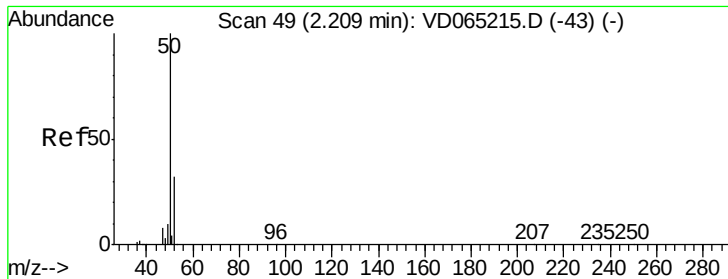
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.208 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 50 Resp: 95970

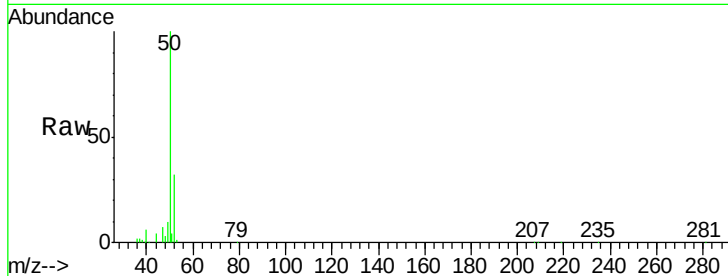
Ion Ratio Lower Upper

50 100

52 32.3 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

60000

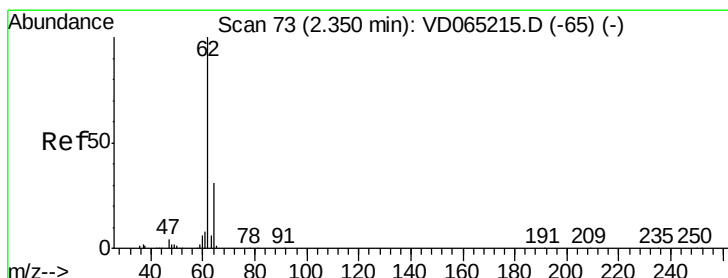
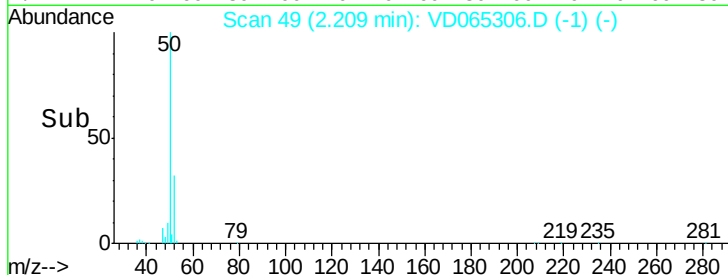
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 19.069 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065306.D

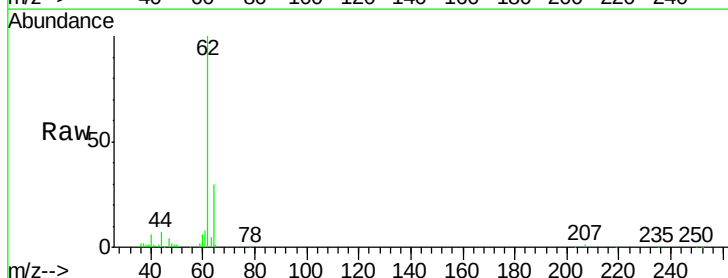
Acq: 25 Feb 2020 12:46

Tgt Ion: 62 Resp: 96883

Ion Ratio Lower Upper

62 100

64 29.6 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

60000

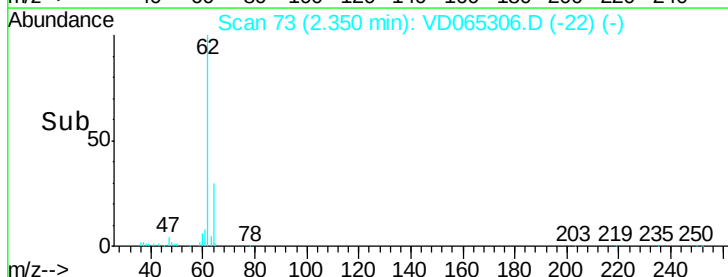
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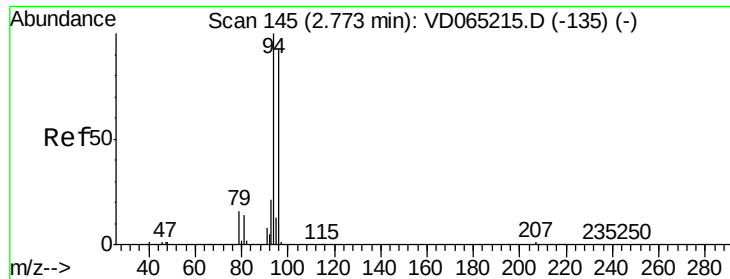
20000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 18.848 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 94 Resp: 57900

Ion Ratio Lower Upper

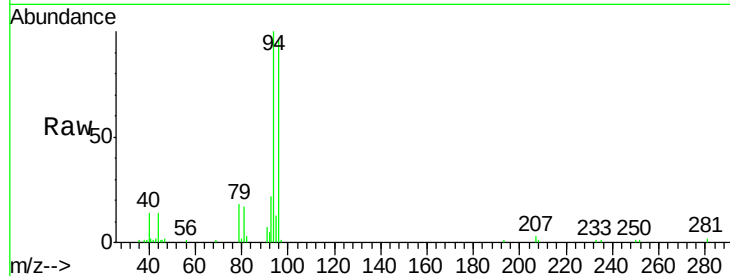
94 100

96 95.7 74.2 111.4

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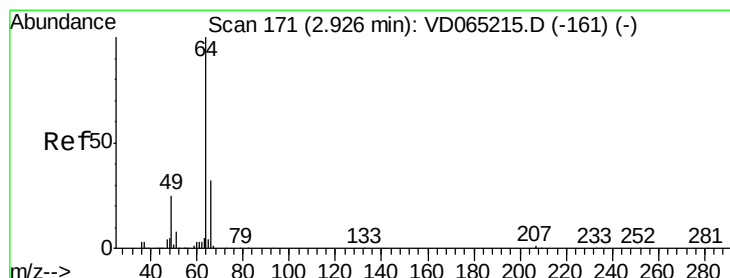
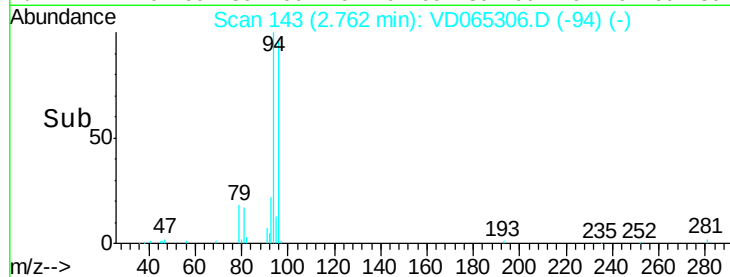
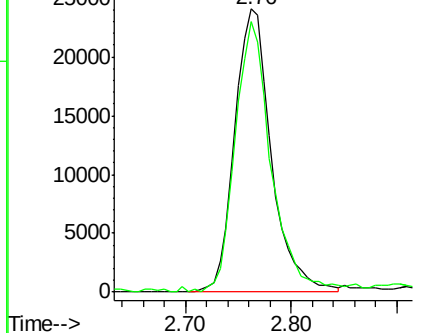
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.636 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065306.D

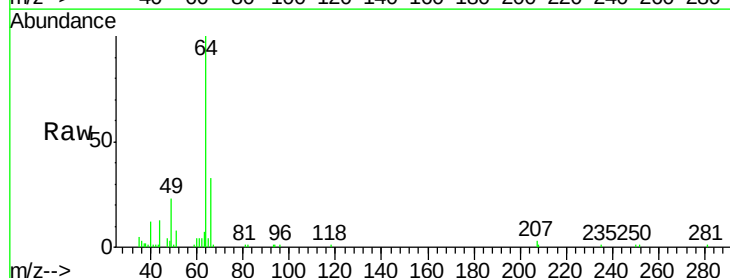
Acq: 25 Feb 2020 12:46

Tgt Ion: 64 Resp: 60897

Ion Ratio Lower Upper

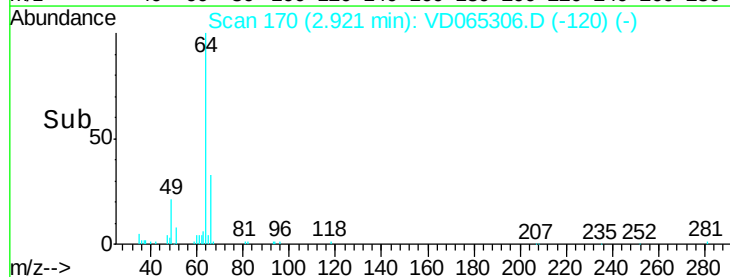
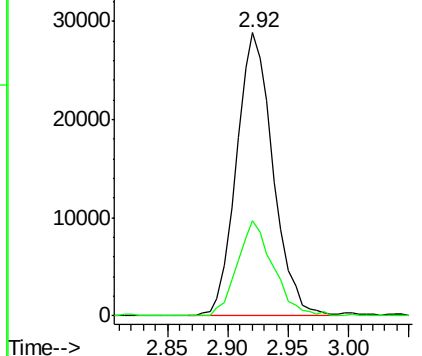
64 100

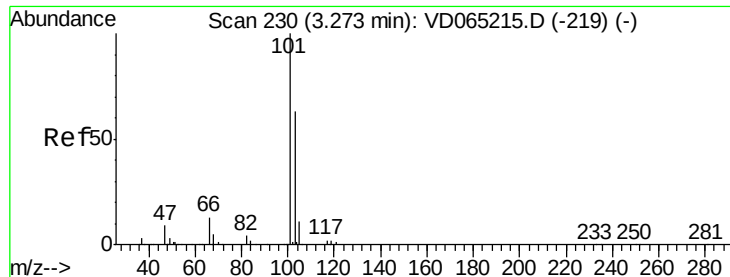
66 33.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

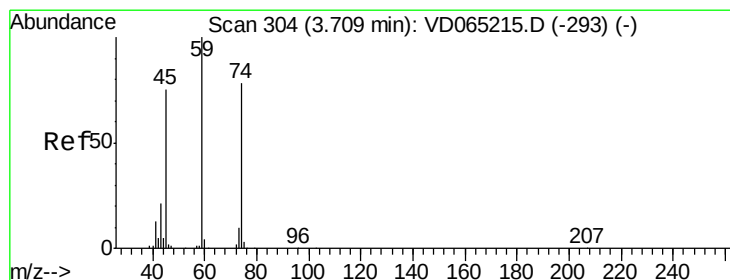
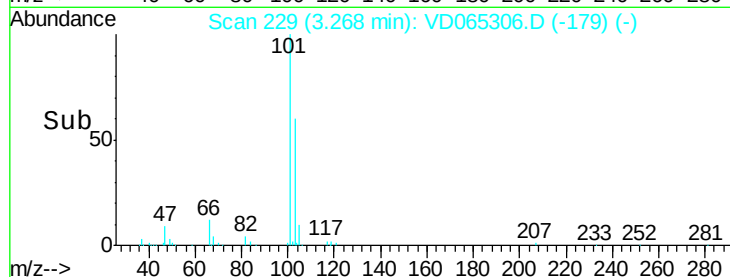
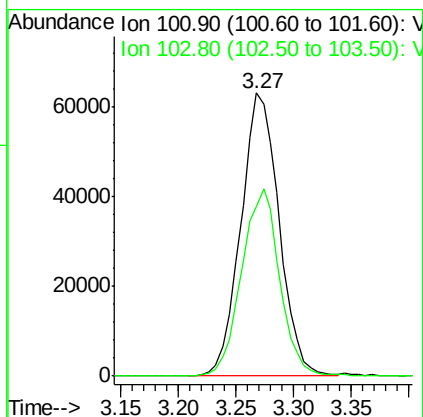
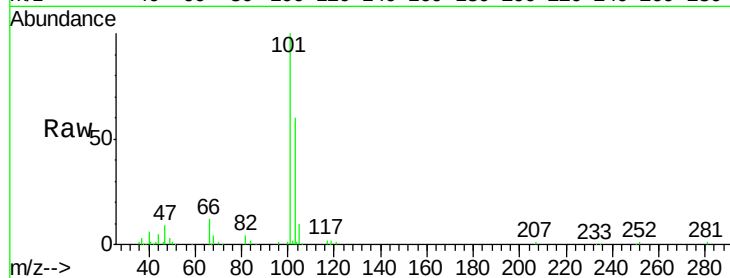
Trichlorofluoromethane
Concen: 20.016 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065306.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	50.7	76.1

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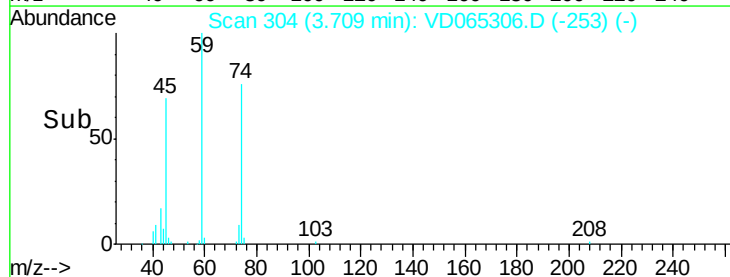
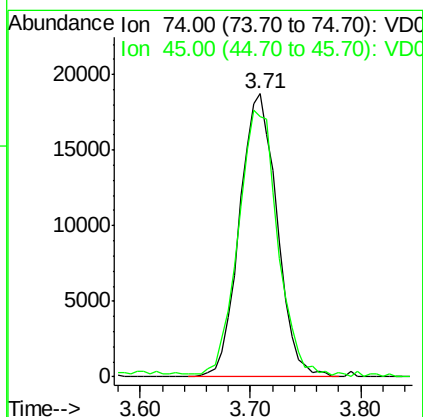
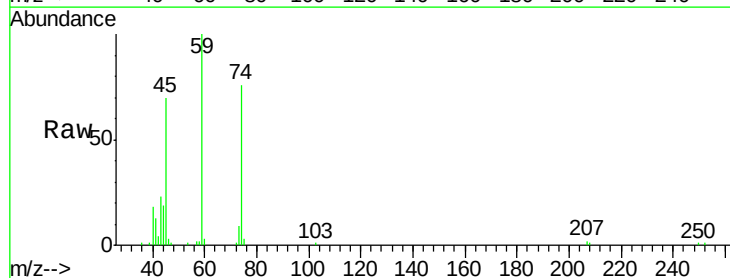
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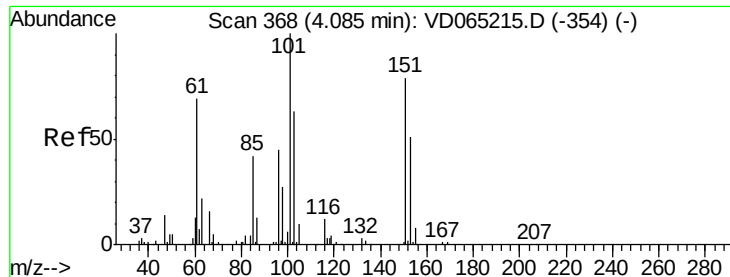


#8

Diethyl Ether
Concen: 20.328 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.963 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065306.D

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Instrument :

MSVOA_D

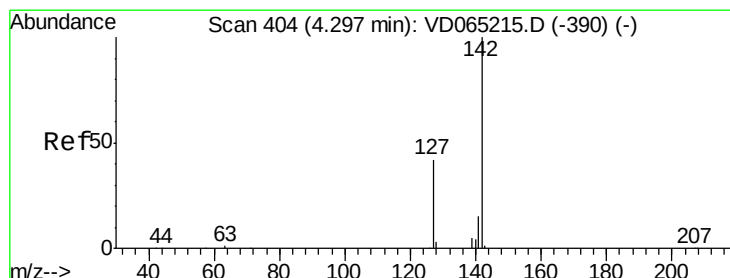
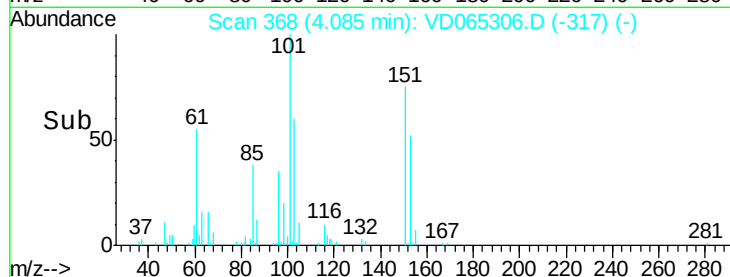
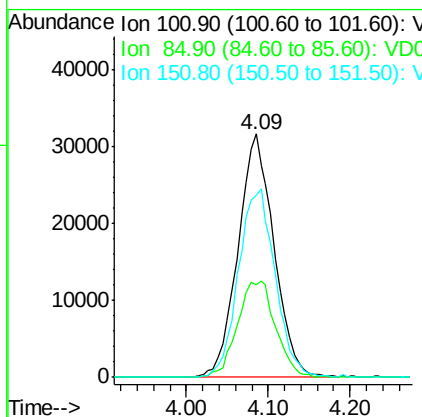
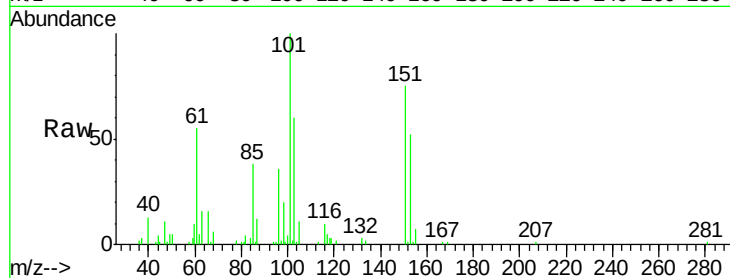
ClientSampleId :

VD0225SBS01

Tot Ion:	101	Resp:	96295
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.2	51.2
151	79.4	63.5	95.3

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#10

Methyl Iodide

Concen: 17.890 ug/l

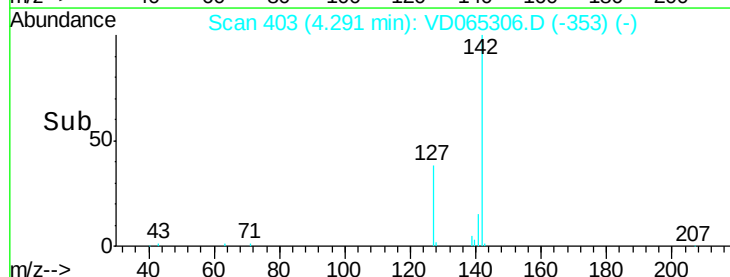
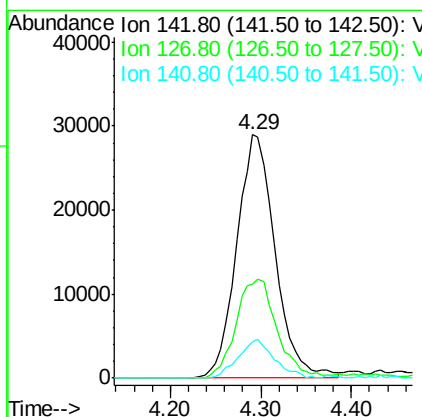
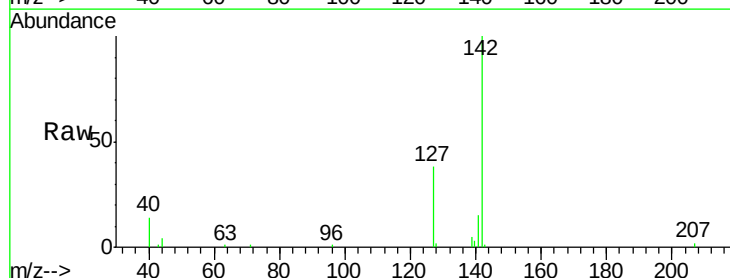
RT: 4.29 min Scan# 403

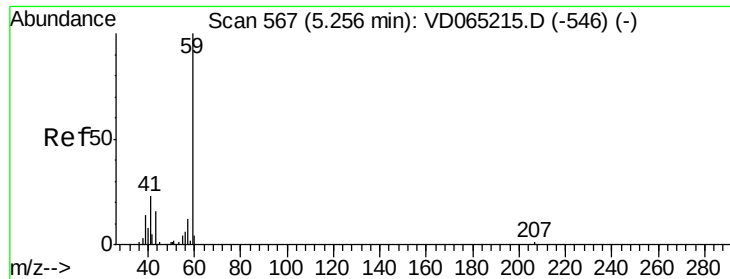
Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Tgt Ion:	142	Resp:	85323
Ion Ratio	Lower	Upper	
142	100		
127	43.2	33.8	50.8
141	14.7	11.7	17.5





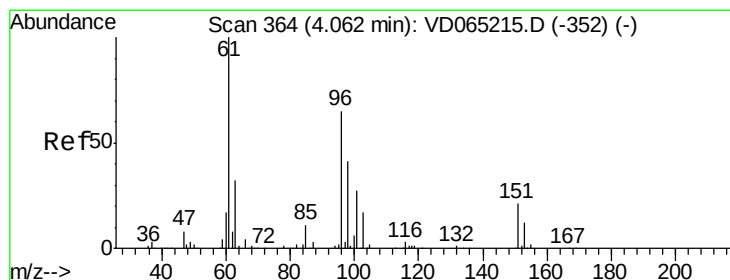
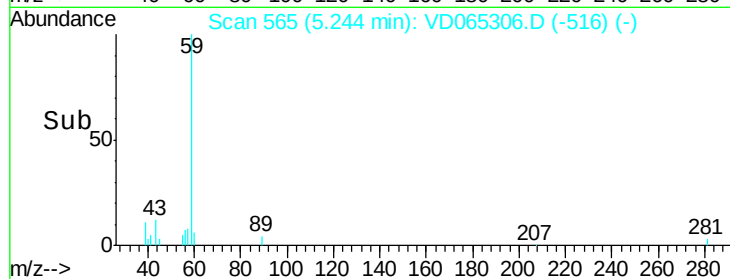
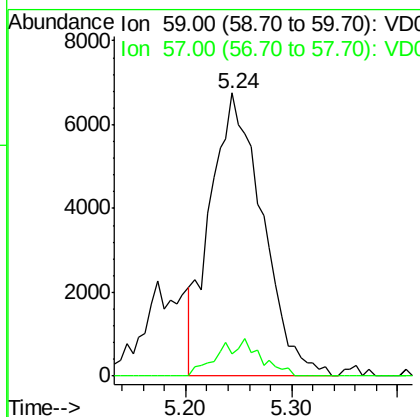
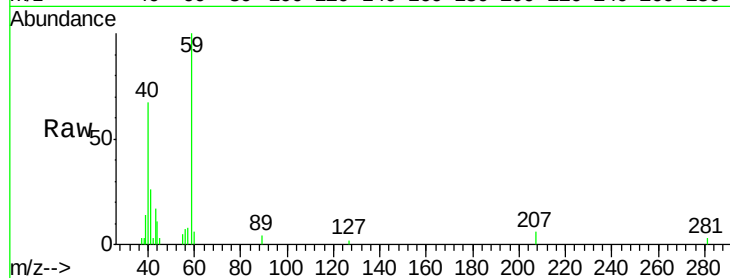
#11
Tert butyl alcohol
Concen: 91.993 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

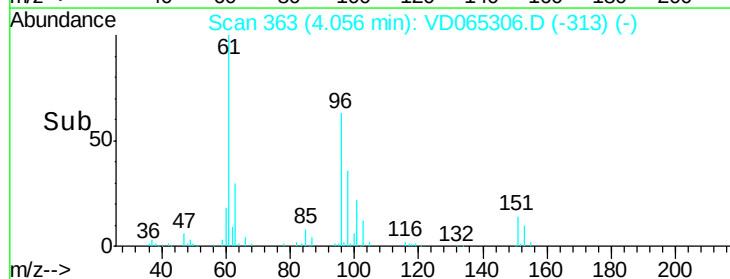
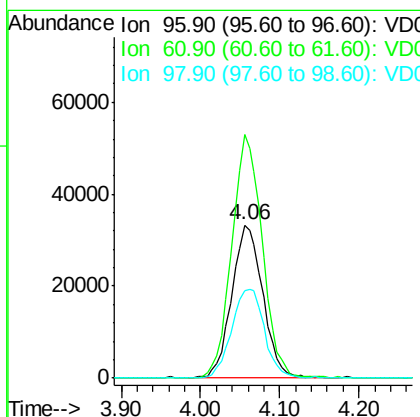
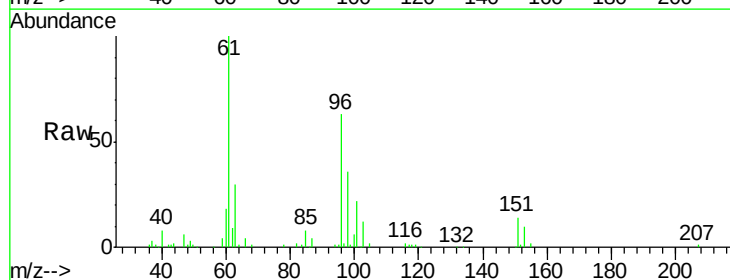
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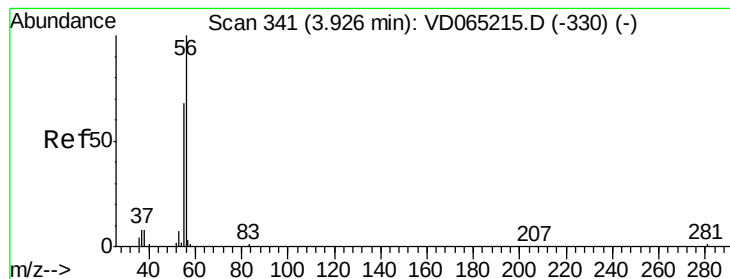
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.868 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.2	123.3	184.9
98	56.8	51.0	76.4





#13

Acrolein

Concen: 105.363 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 56 Resp: 37687

Ion Ratio Lower Upper

56 100

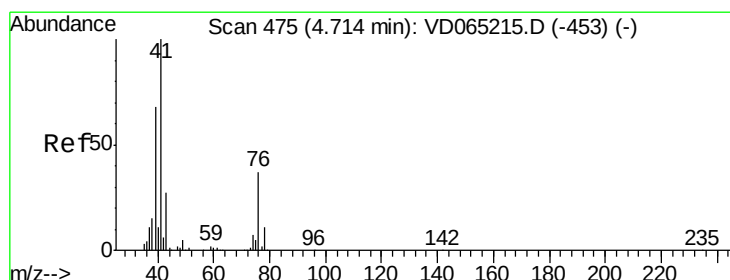
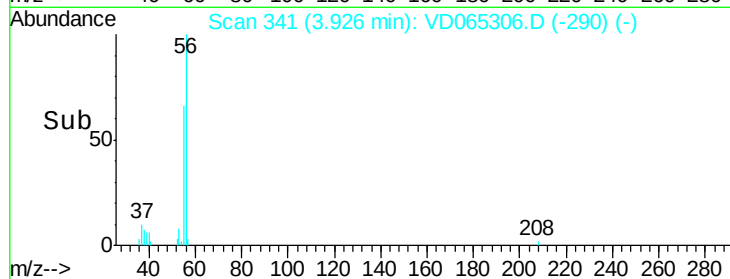
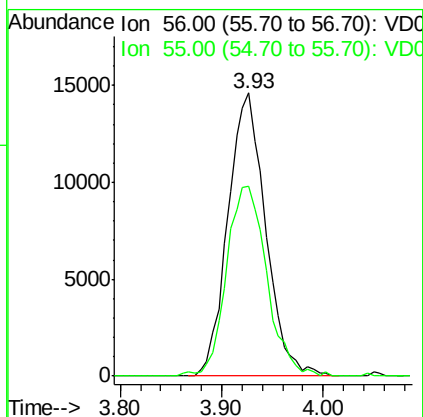
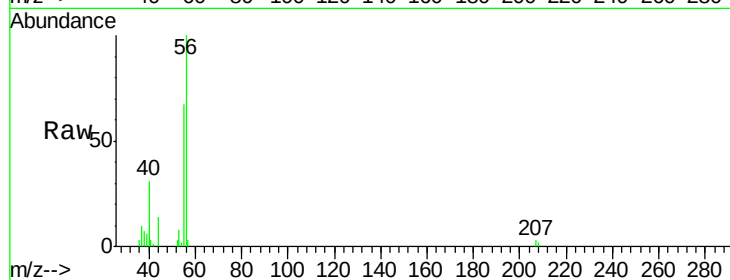
55 71.6 56.6 85.0

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#14

Allyl chloride

Concen: 19.537 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

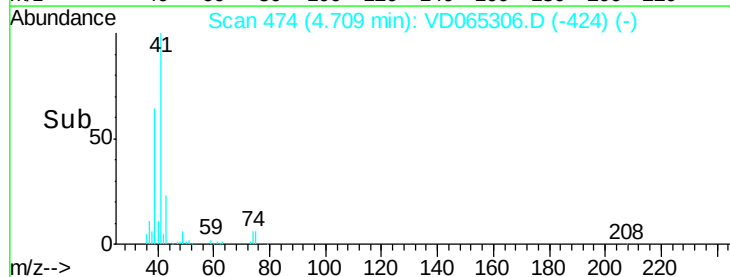
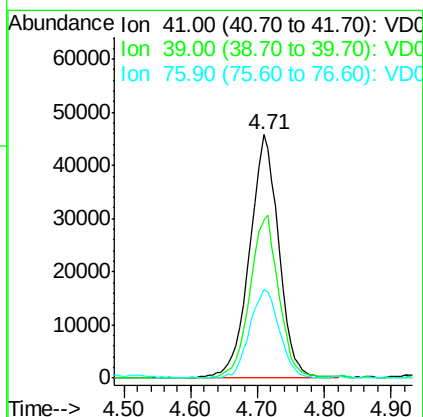
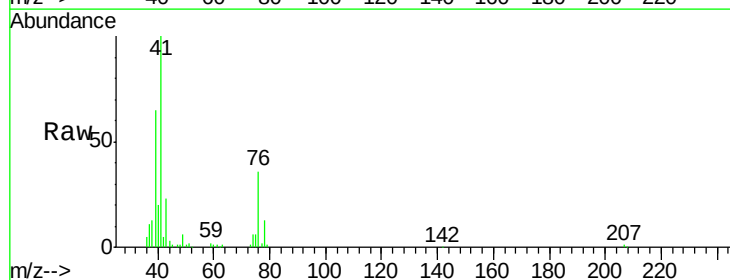
Tgt Ion: 41 Resp: 137668

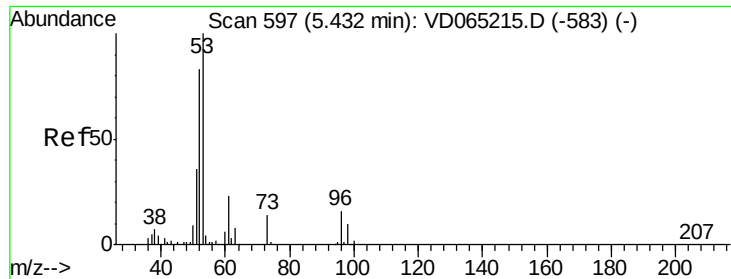
Ion Ratio Lower Upper

41 100

39 65.8 53.8 80.6

76 36.7 28.7 43.1





#15

Acrylonitrile

Concen: 99.082 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

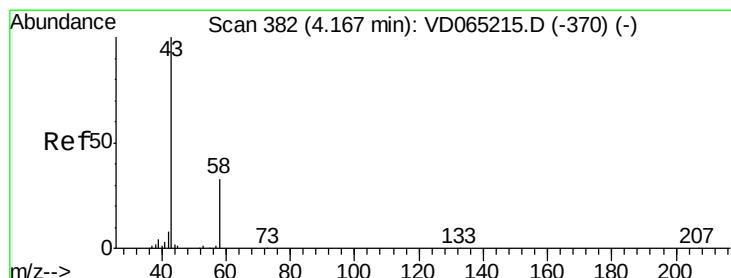
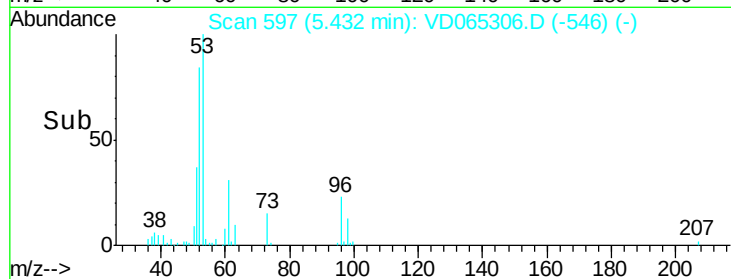
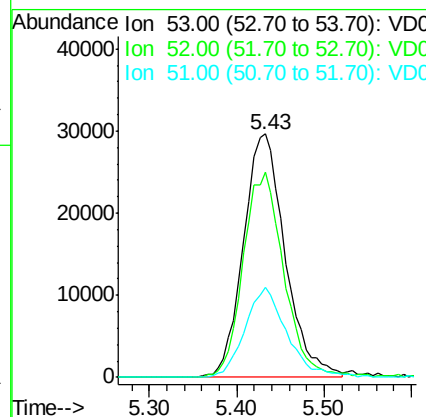
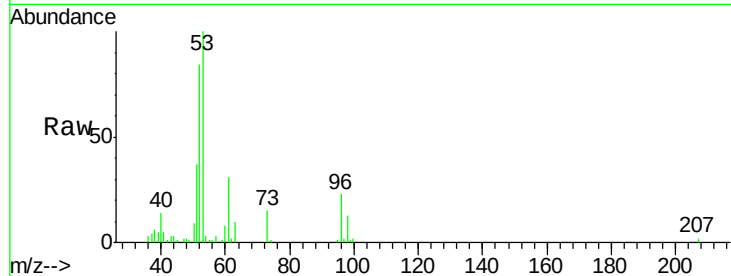
ClientSampleId :

VD0225SBS01

Tot Ion:	53	Resp:	96318
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.4	98.2
51	37.0	29.5	44.3

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#16

Acetone

Concen: 89.796 ug/l

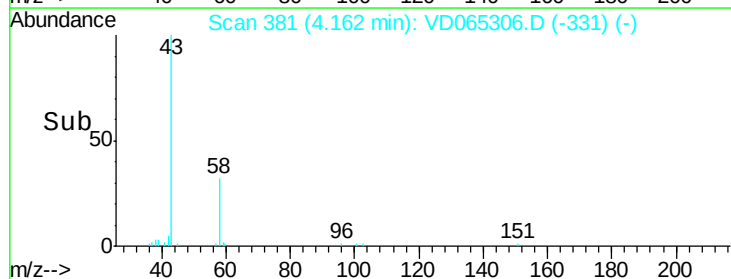
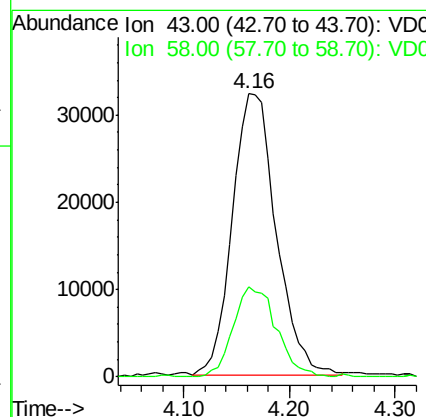
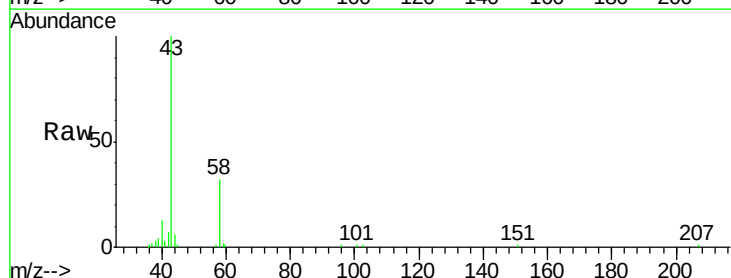
RT: 4.16 min Scan# 381

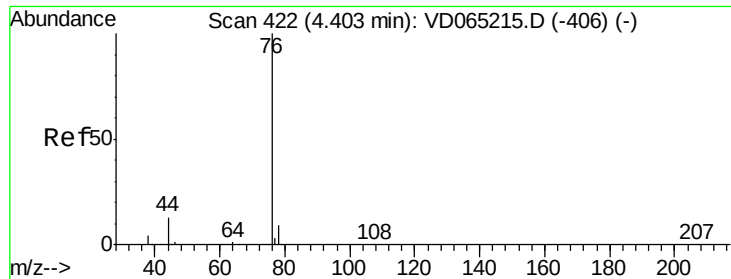
Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Tgt Ion:	43	Resp:	92420
Ion Ratio	Lower	Upper	
43	100		
58	31.1	26.2	39.2





#17

Carbon Disulfide

Concen: 19.566 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 76 Resp: 284649

Ion Ratio Lower Upper

76 100

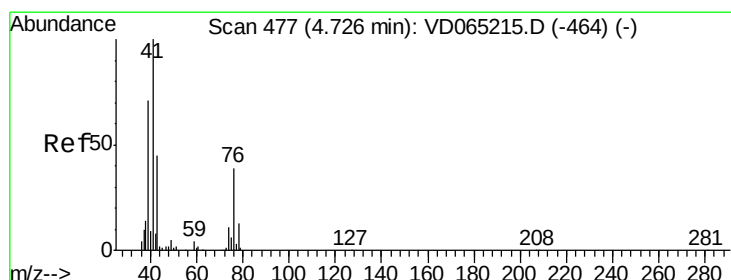
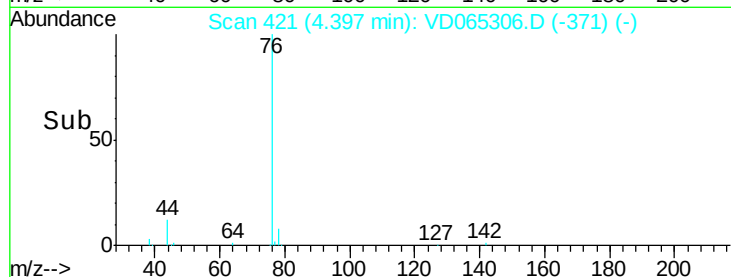
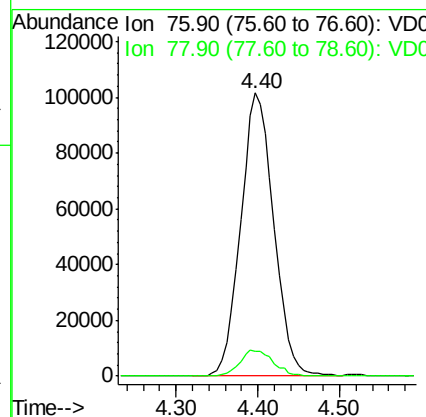
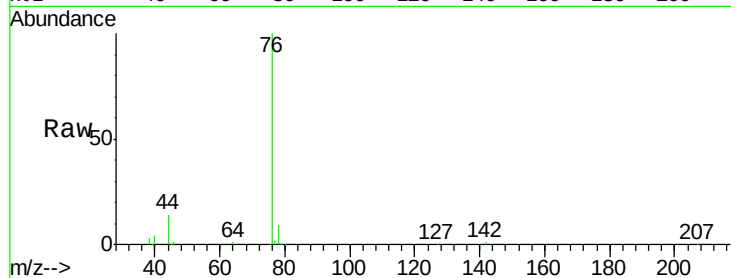
78 8.8 7.0 10.6

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#18

Methyl Acetate

Concen: 20.964 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065306.D

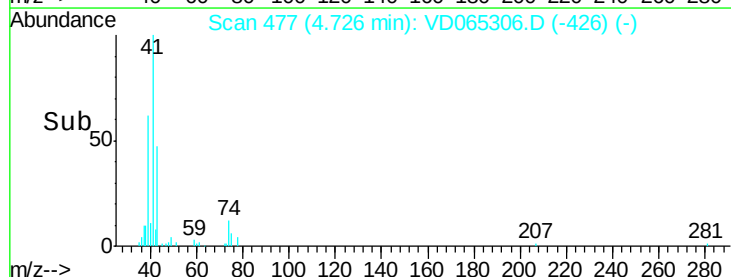
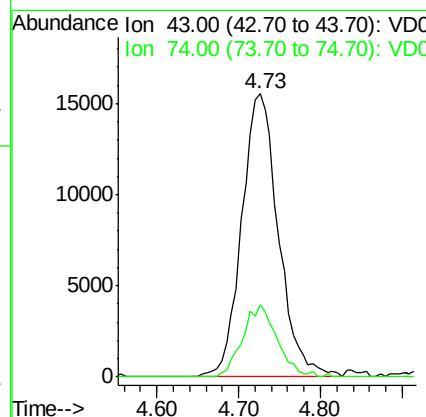
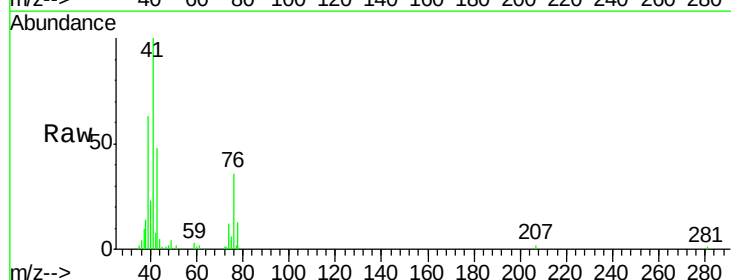
Acq: 25 Feb 2020 12:46

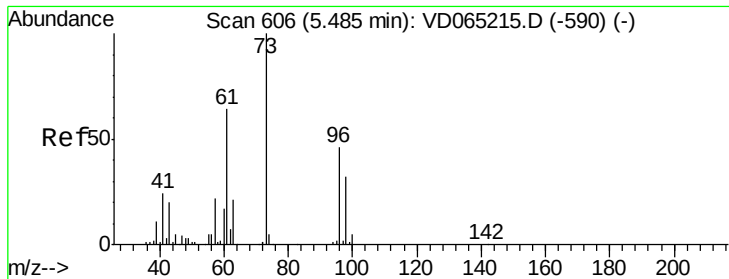
Tgt Ion: 43 Resp: 48527

Ion Ratio Lower Upper

43 100

74 23.9 19.4 29.2





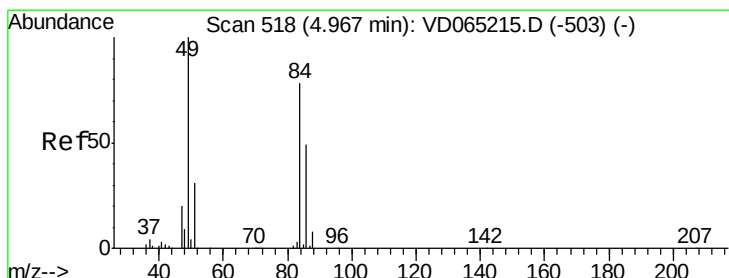
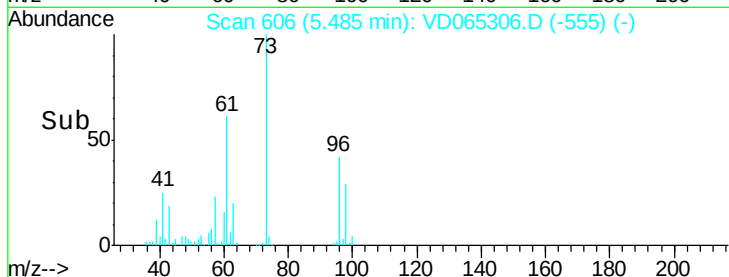
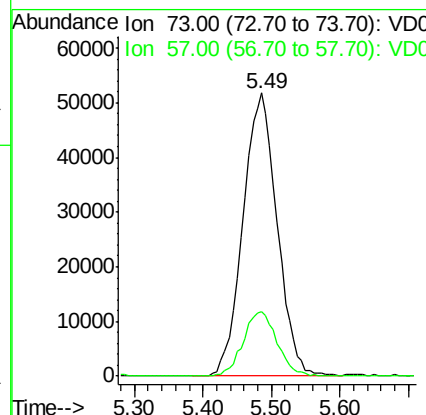
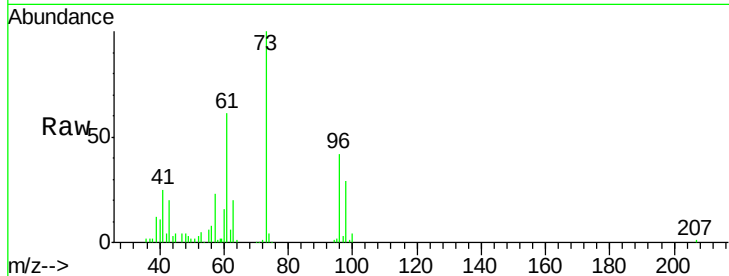
#19
Methyl tert-butyl Ether
Concen: 19.791 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.3	25.9

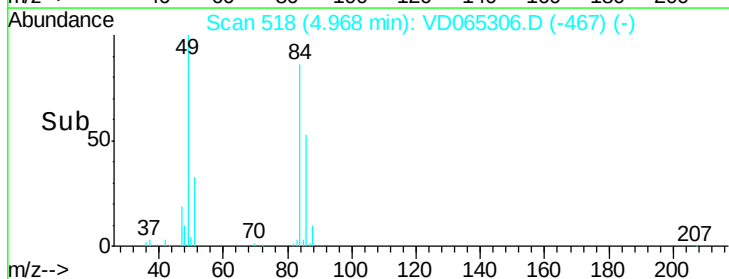
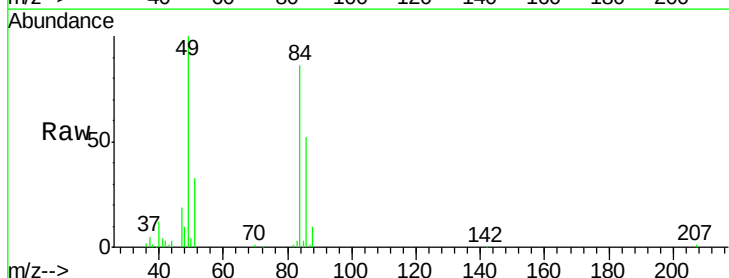
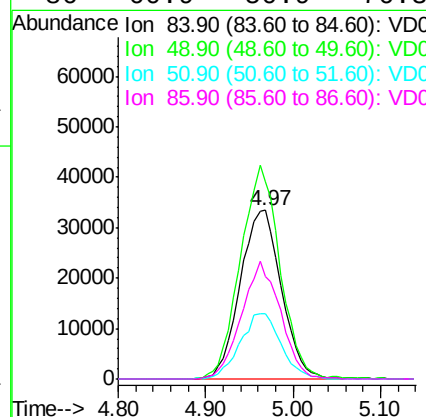
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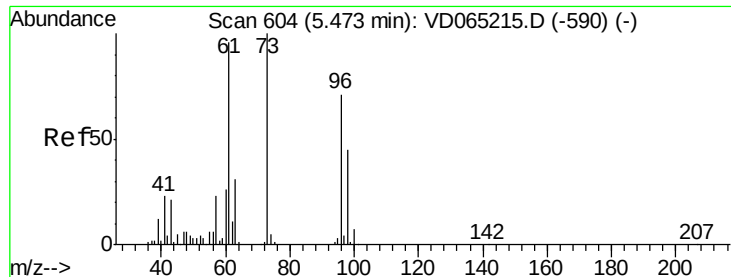
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#20
Methylene Chloride
Concen: 20.683 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.5	103.1	154.7
51	38.7	31.7	47.5
86	60.9	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 20.438 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

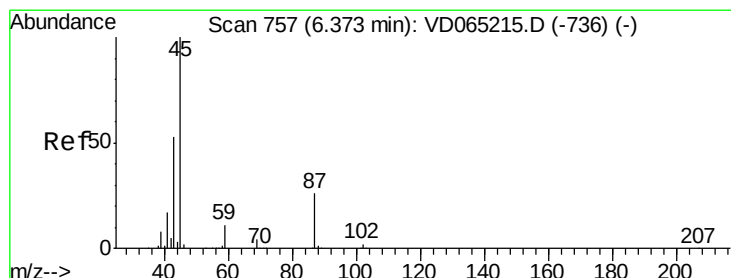
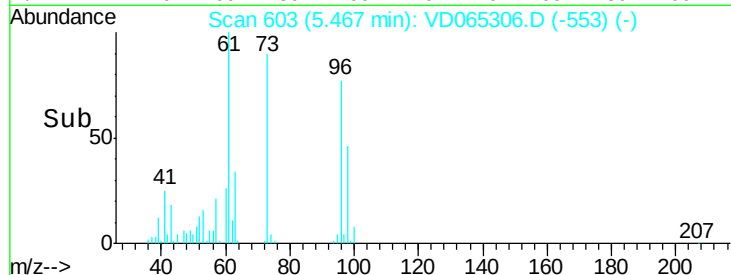
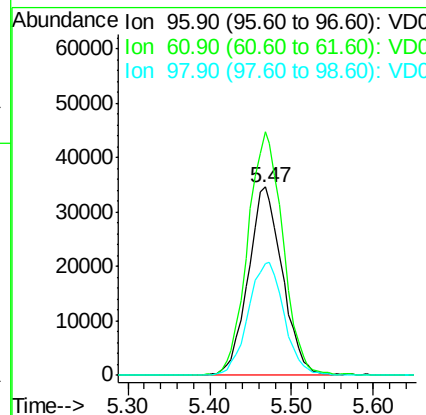
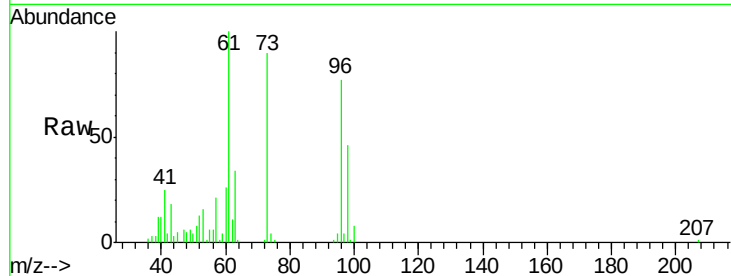
ClientSampleId :

VD0225SBS01

Tot Ion:	96	Resp:	100820
Ion Ratio	Lower	Upper	
96	100		
61	129.3	108.3	162.5
98	59.4	50.7	76.1

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#22

Diisopropyl ether

Concen: 20.322 ug/l

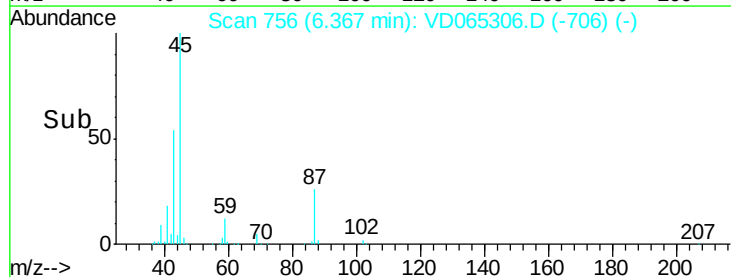
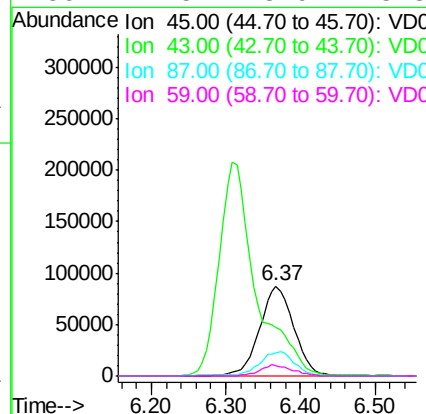
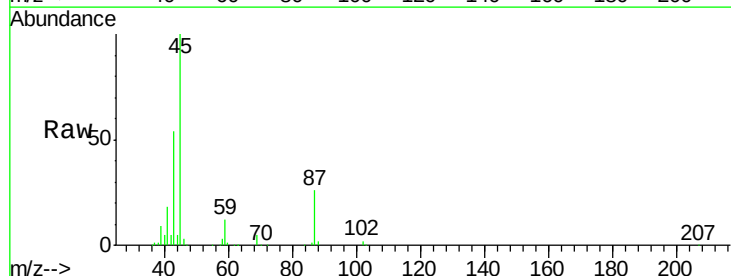
RT: 6.37 min Scan# 756

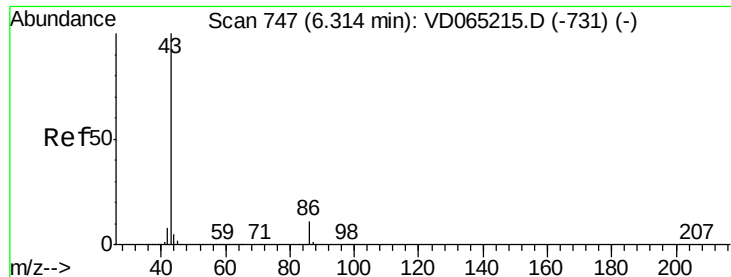
Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Tgt Ion:	45	Resp:	276055
Ion Ratio	Lower	Upper	
45	100		
43	53.0	42.6	64.0
87	26.0	21.2	31.8
59	11.5	8.9	13.3





#23

Vinyl Acetate

Concen: 95.438 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 43 Resp: 714729

Ion Ratio Lower Upper

43 100

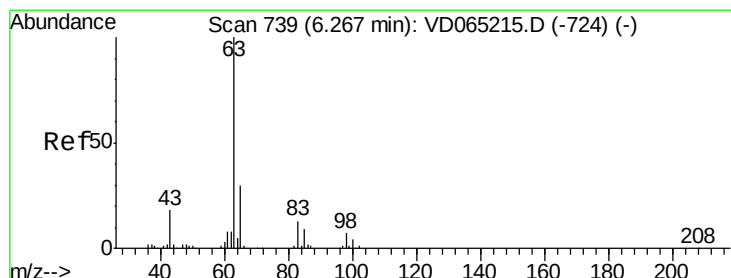
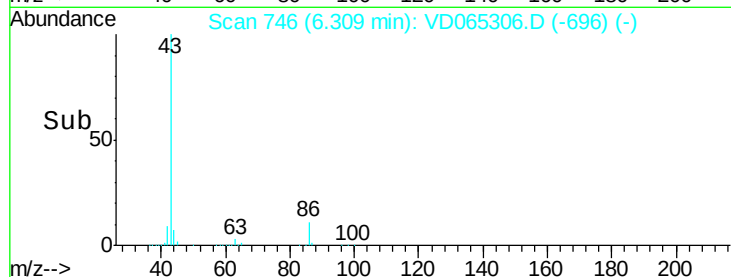
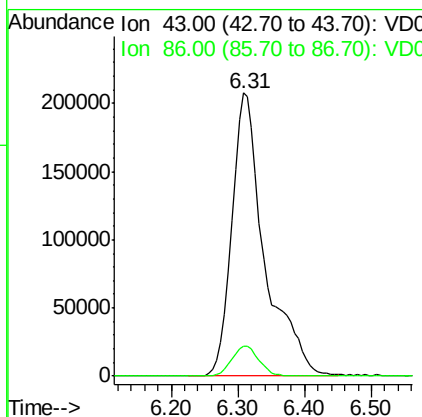
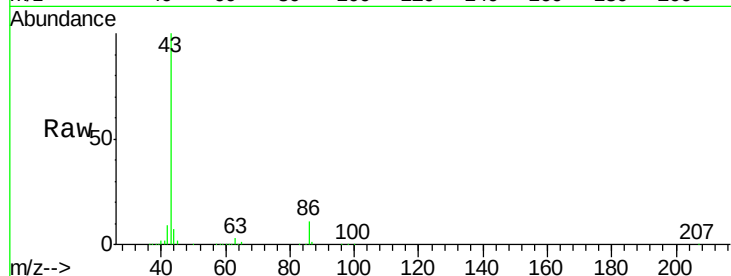
86 10.6 8.6 12.8

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#24

1,1-Dichloroethane

Concen: 20.505 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

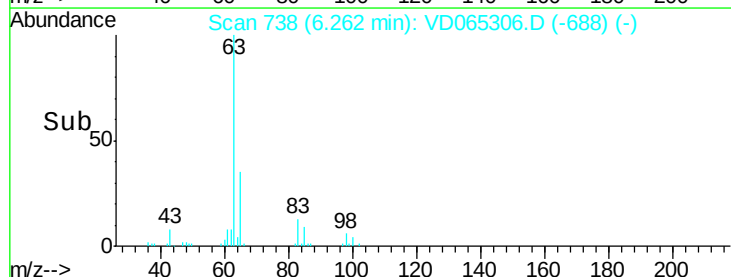
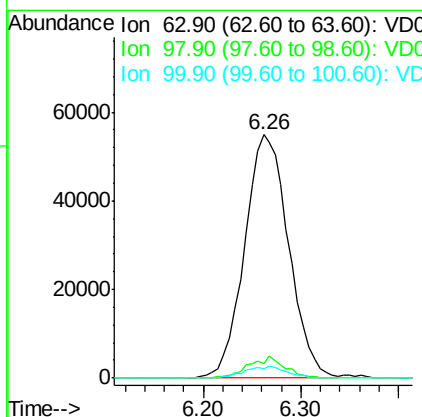
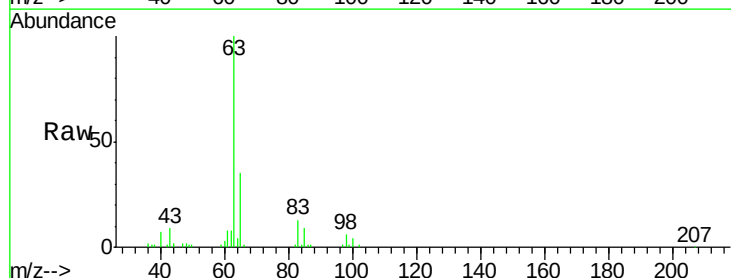
Tgt Ion: 63 Resp: 172771

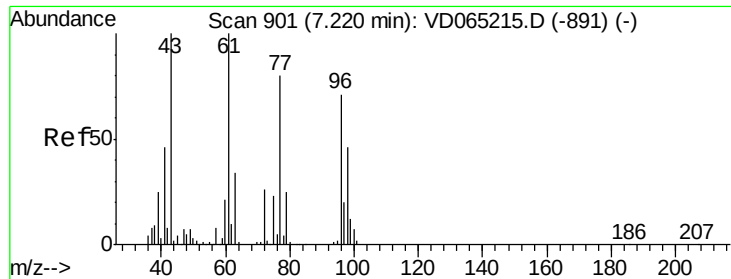
Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.1

100 3.9 2.3 6.8





#25

2-Butanone

Concen: 92.453 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 43 Resp: 120391

Ion Ratio Lower Upper

43 100

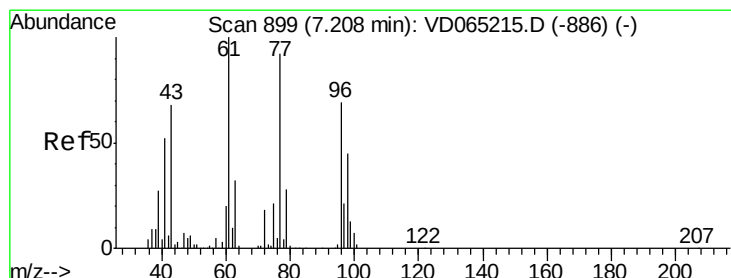
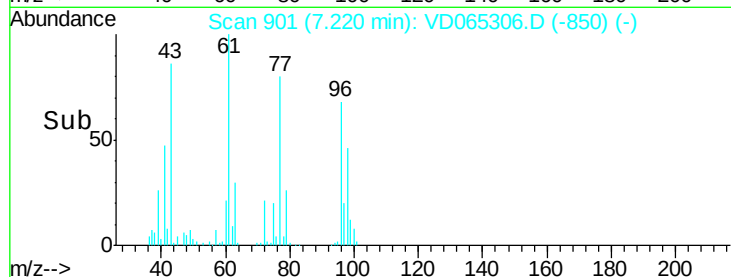
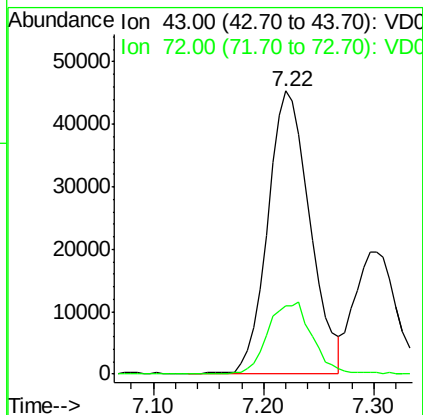
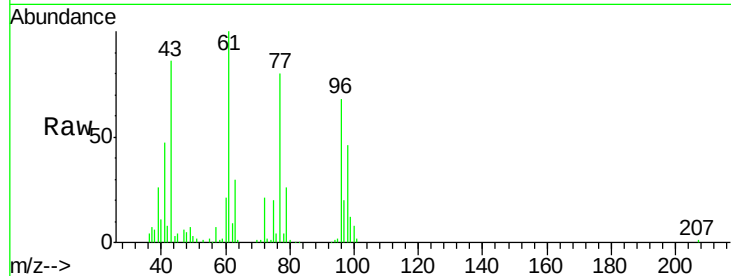
72 24.3 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 20.127 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065306.D

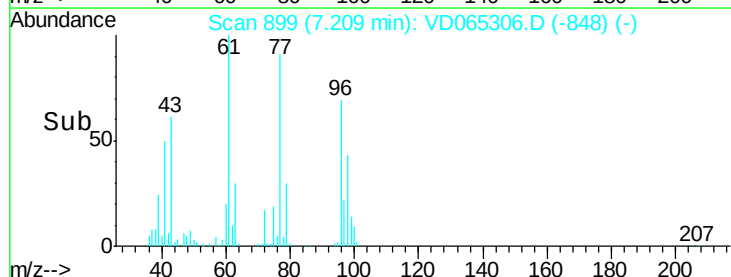
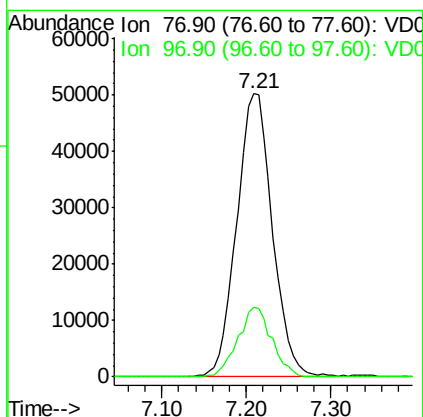
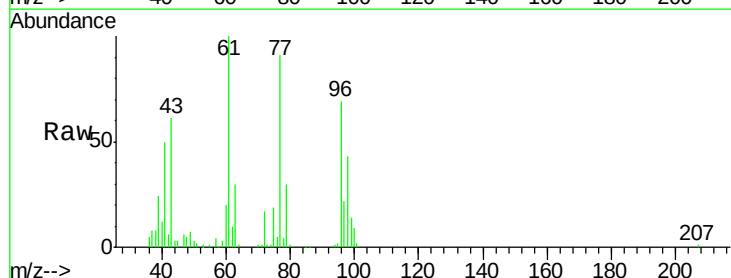
Acq: 25 Feb 2020 12:46

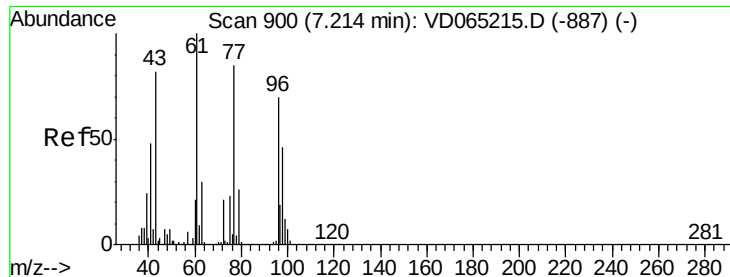
Tgt Ion: 77 Resp: 147136

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





#27

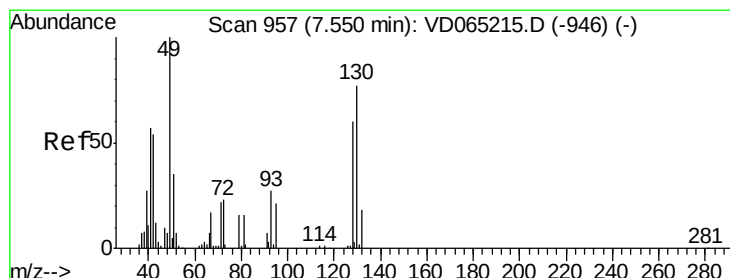
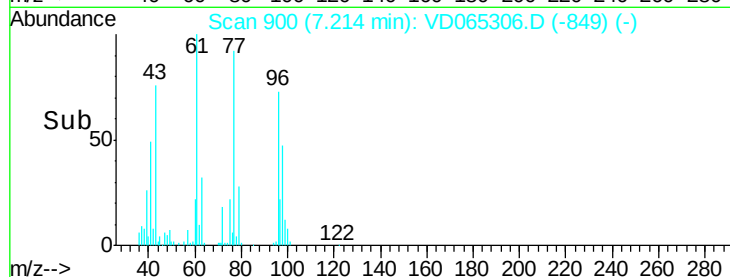
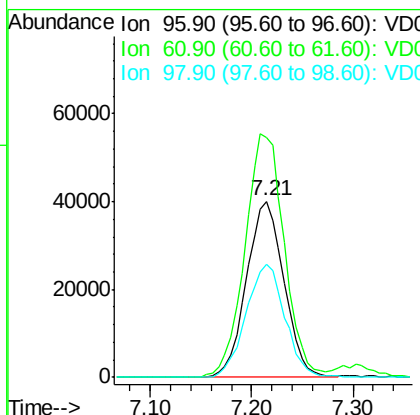
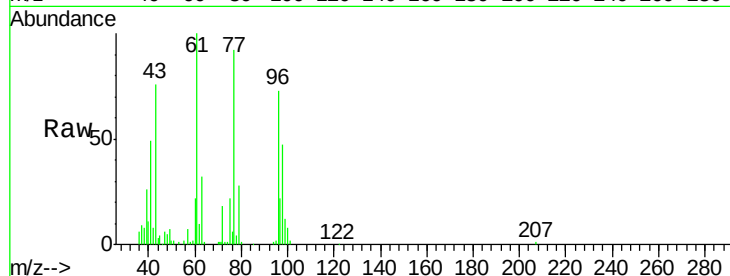
cis-1,2-Dichloroethene
Concen: 19.786 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.0	0.0	286.0	
98	66.7	0.0	127.8	

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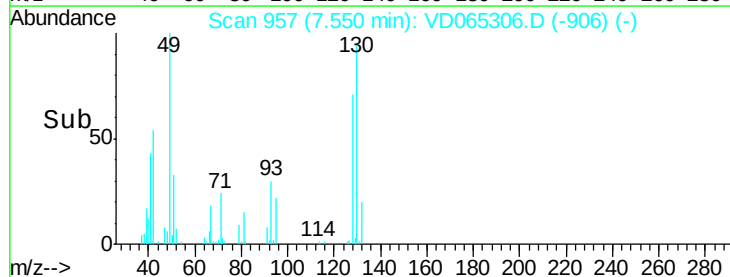
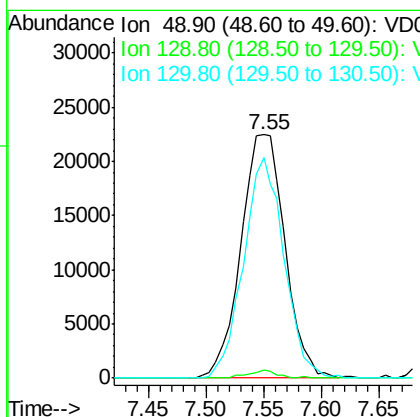
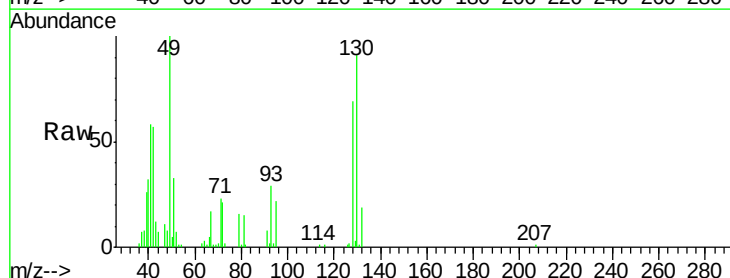
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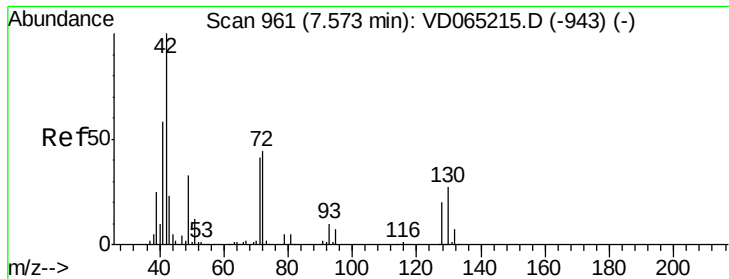


#28

Bromochloromethane
Concen: 19.106 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.6	
130	83.2	64.7	97.1	





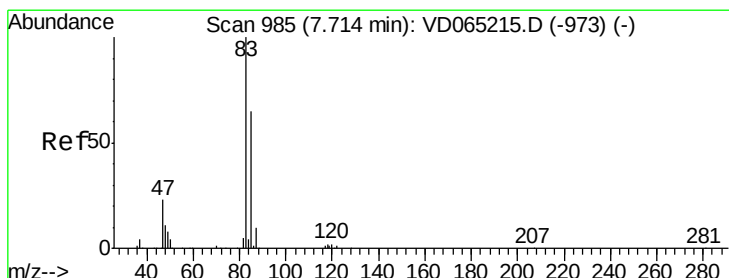
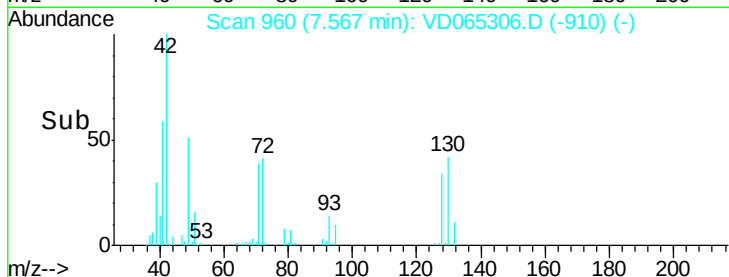
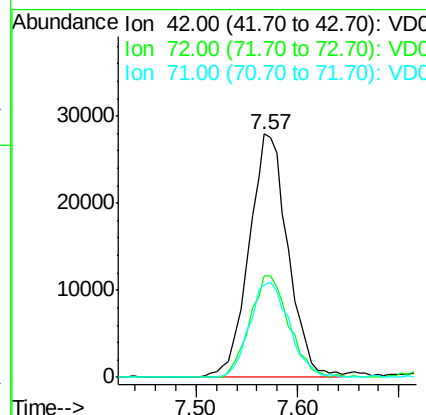
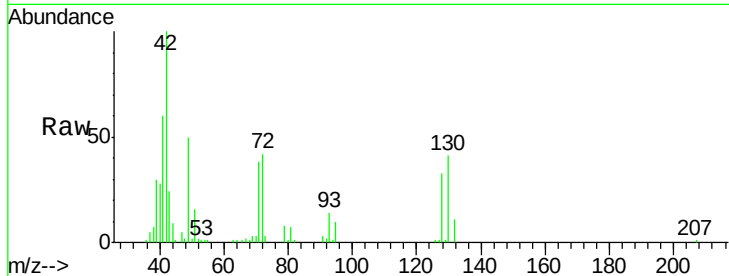
#29
Tetrahydrofuran
Concen: 97.377 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.7	50.5
71	39.9	31.4	47.2

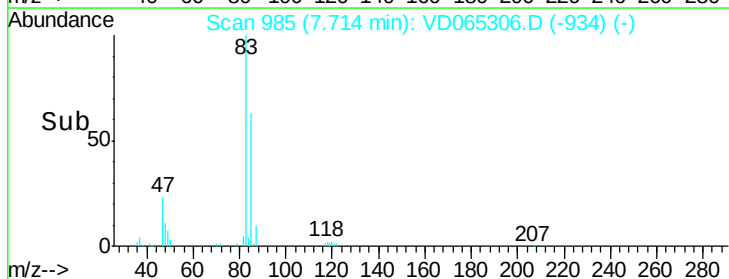
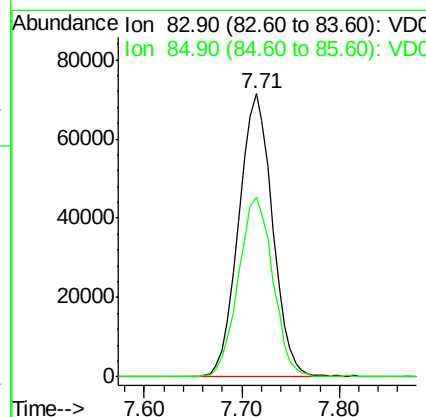
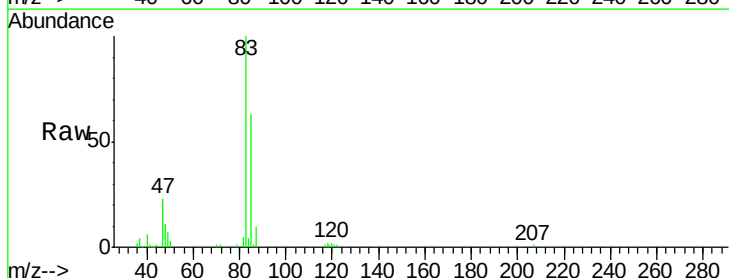
Manual Integrations
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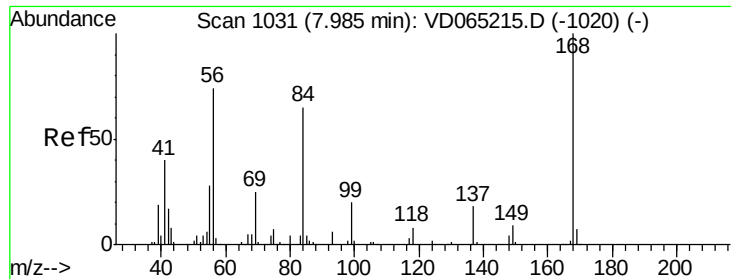
MMDadoda
2/26/2020 10:25:40 AM



#30
Chloroform
Concen: 20.263 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.3	78.5





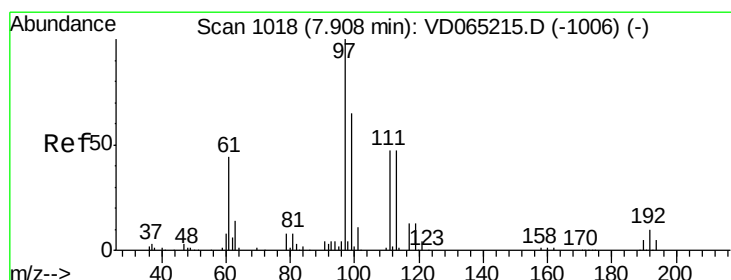
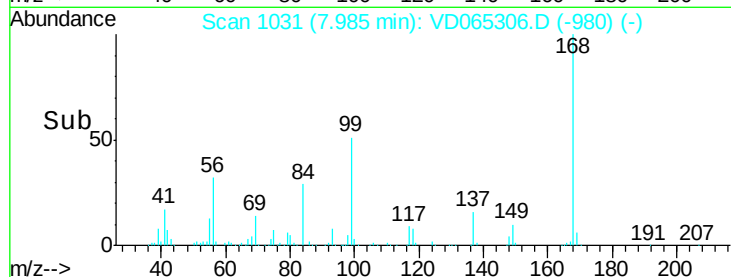
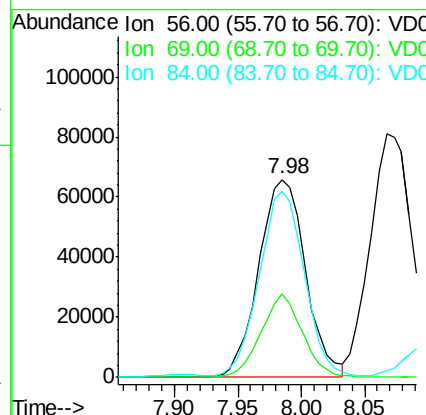
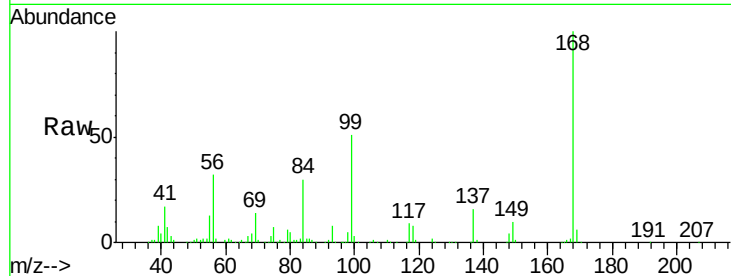
#31
Cyclohexane
Concen: 20.471 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.4	27.4	41.0#
84	92.3	71.1	106.7

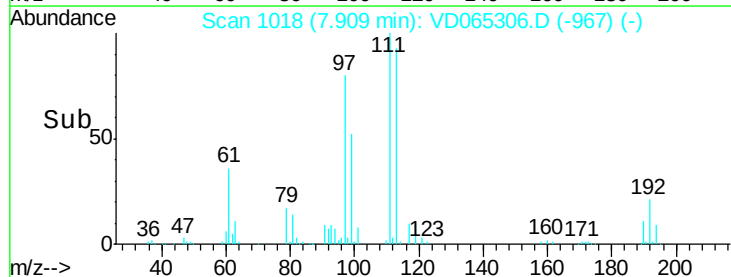
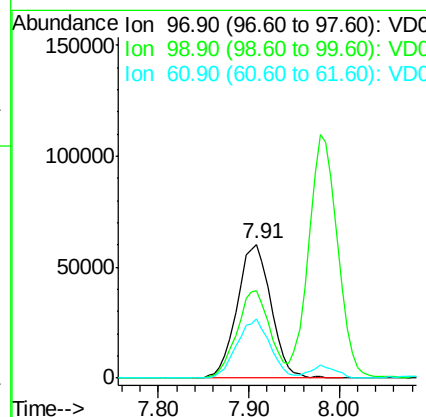
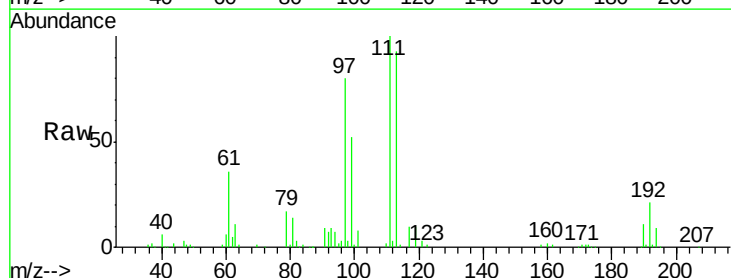
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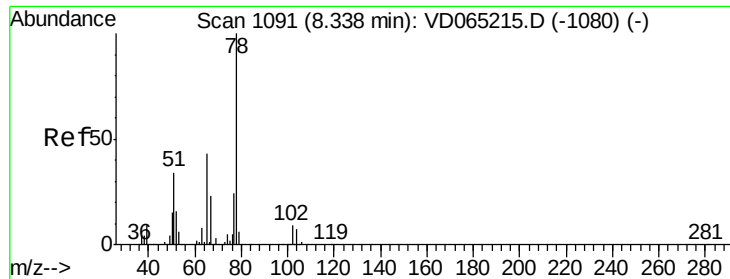
MMDadoda
2/26/2020 10:25:40 AM



#32
1,1,1-Trichloroethane
Concen: 20.639 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	43.6	34.8	52.2





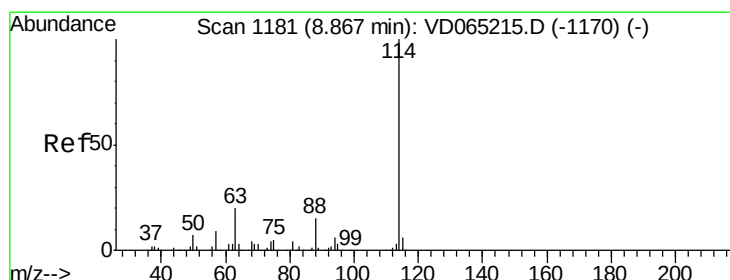
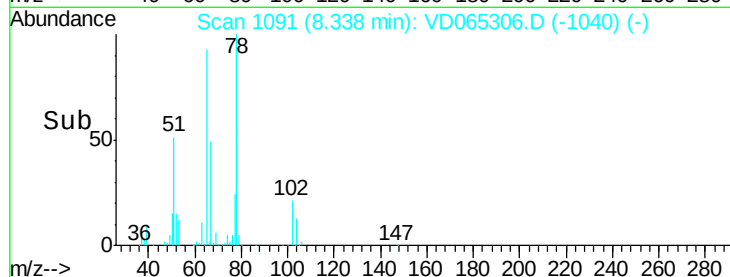
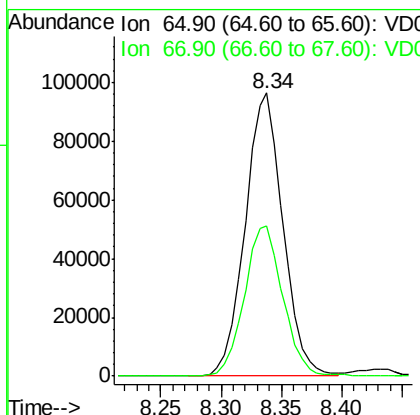
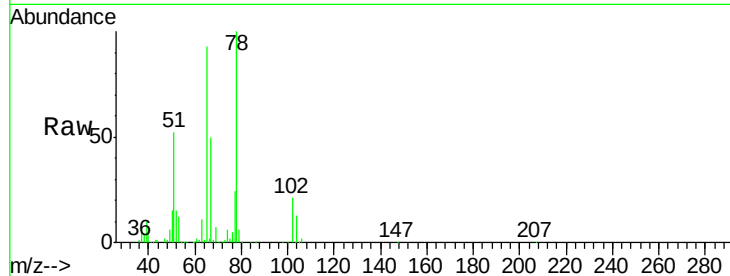
#33
 1,2-Dichloroethane-d4
 Concen: 49.938 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	106.8	

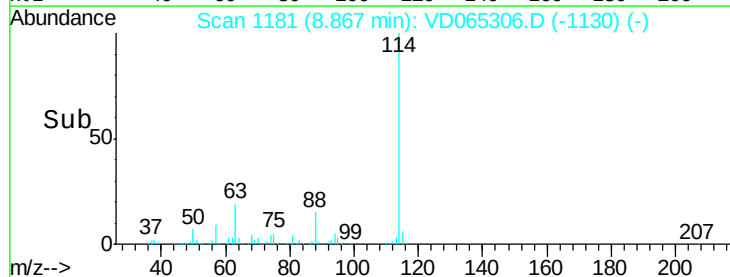
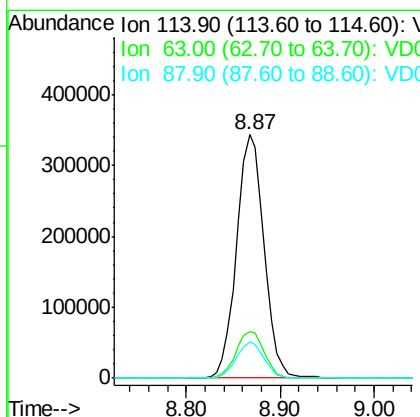
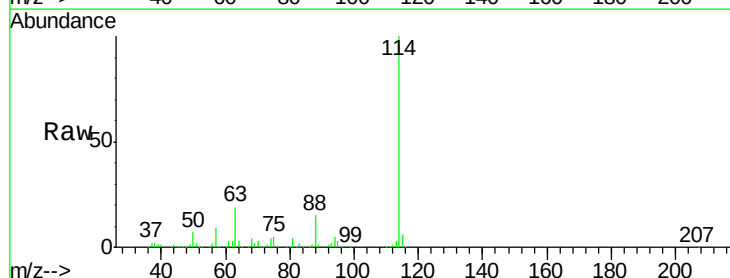
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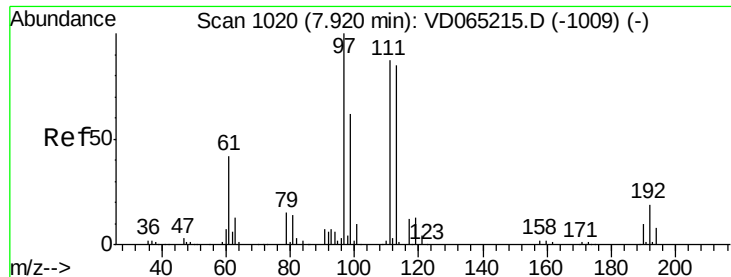
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 2/26/2020 10:25:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	39.4	
88	14.8	0.0	30.4	





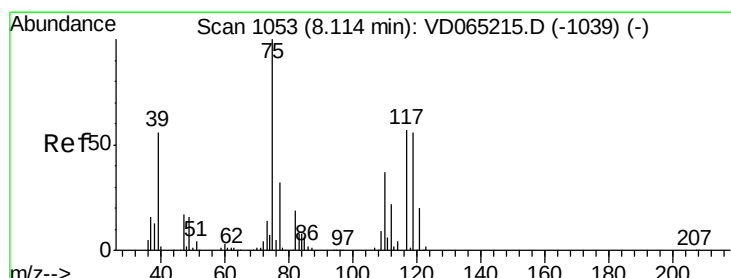
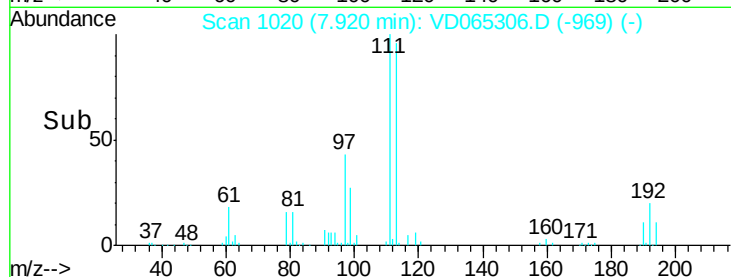
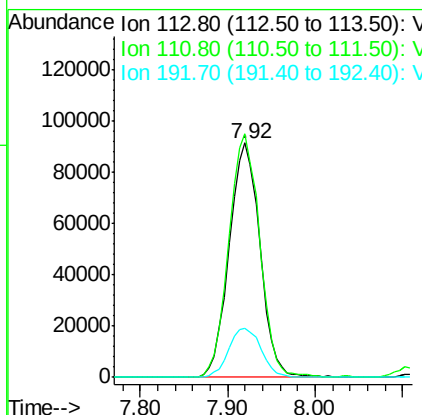
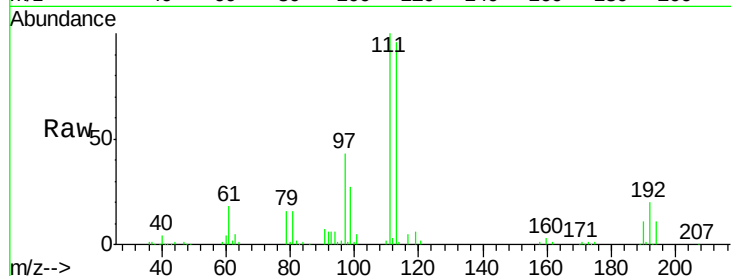
#35
 Dibromofluoromethane
 Concen: 51.395 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	218041		
111	104.4	82.9	124.3	
192	22.0	17.3	25.9	

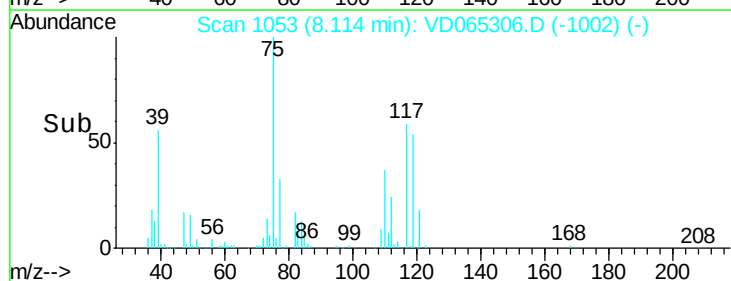
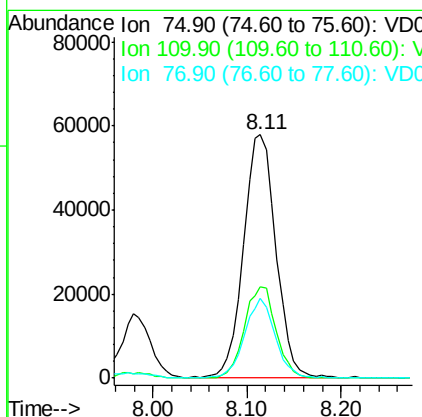
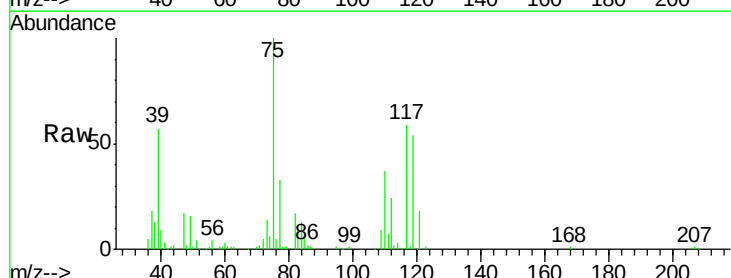
Manual Integrations
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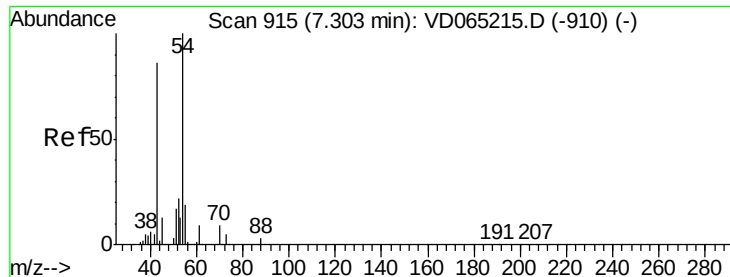
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 2/26/2020 10:25:40 AM



#36
 1,1-Dichloropropene
 Concen: 20.452 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	138458		
110	36.2	17.9	53.7	
77	31.1	25.1	37.7	





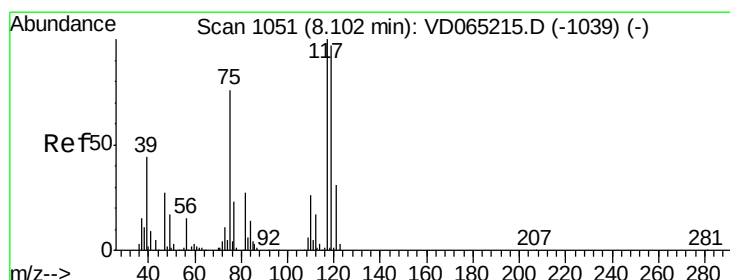
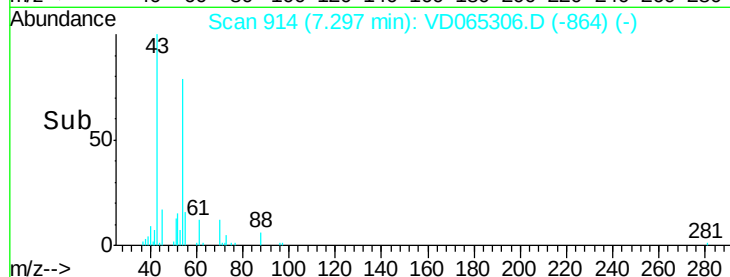
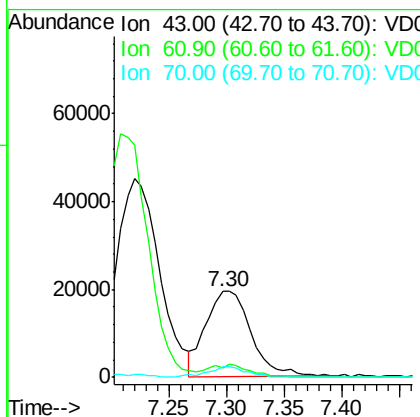
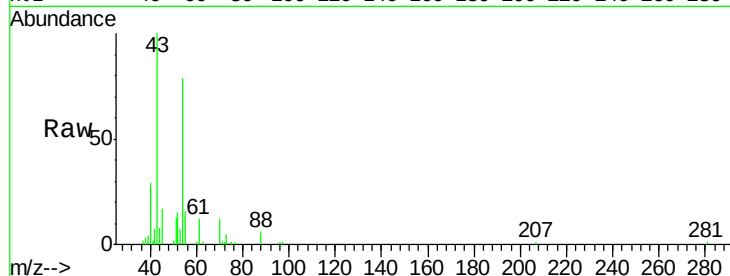
#37
Ethyl Acetate
Concen: 18.507 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.2	16.8
70	11.1	8.2	12.2

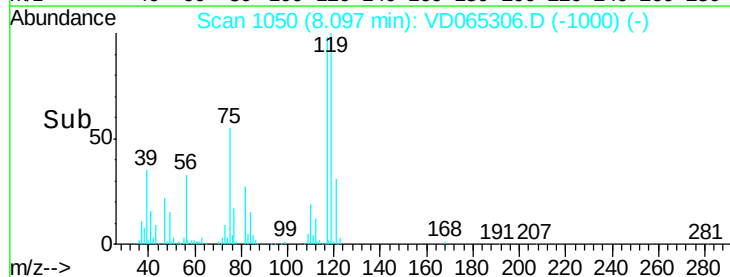
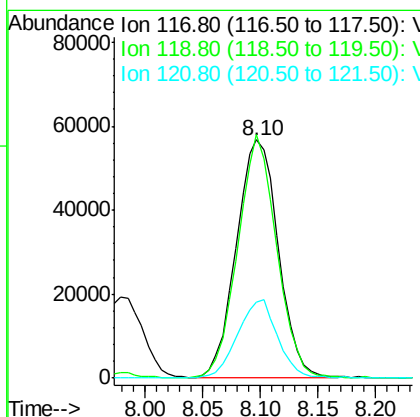
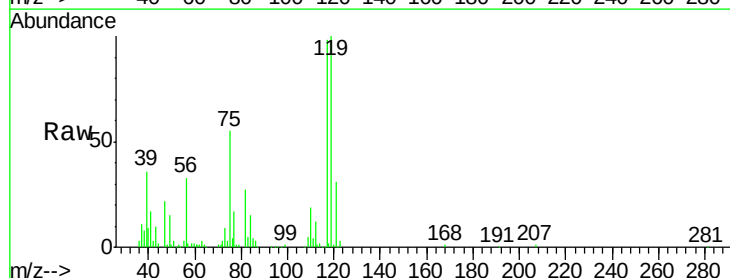
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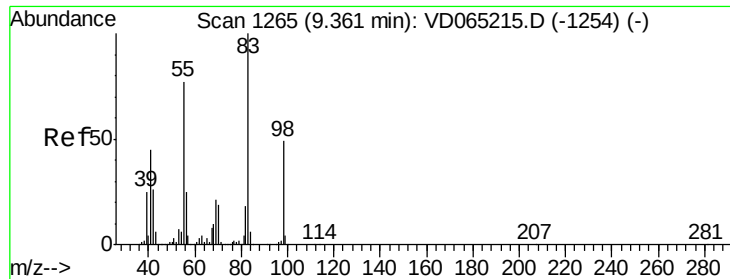
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#38
Carbon Tetrachloride
Concen: 20.707 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.4	77.6	116.4
121	32.3	24.8	37.2





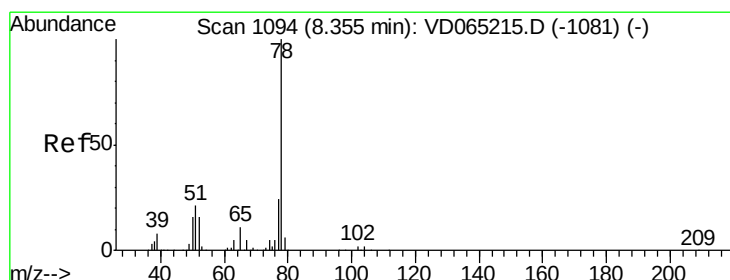
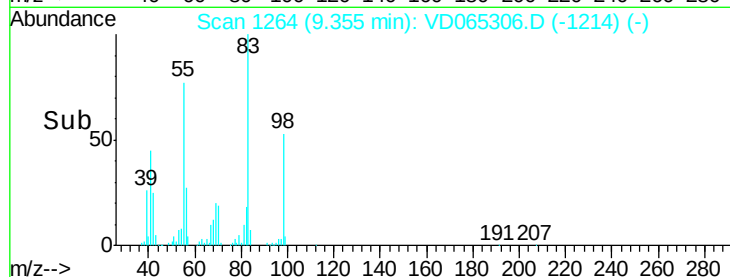
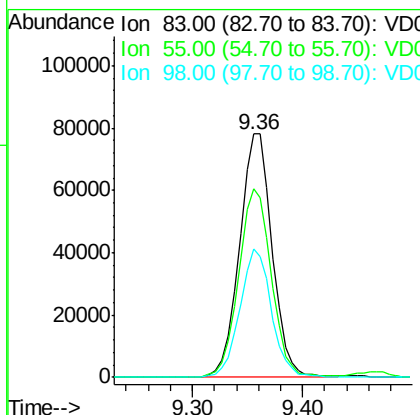
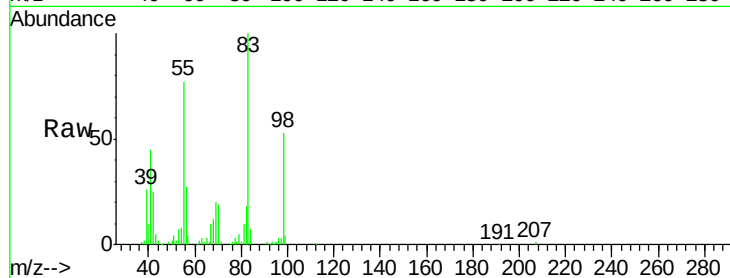
#39
Methylvlcyclohexane
Concen: 20.341 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.8	92.6
98	52.7	39.4	59.0

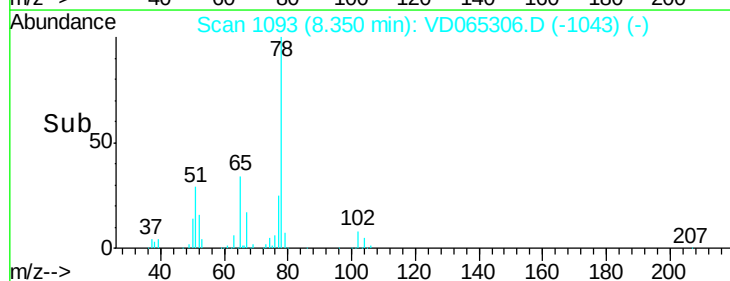
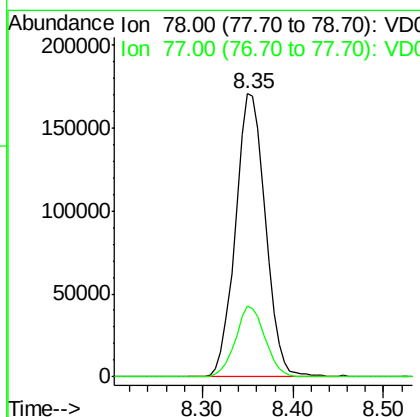
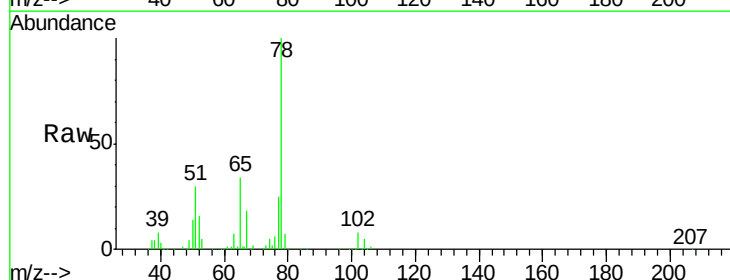
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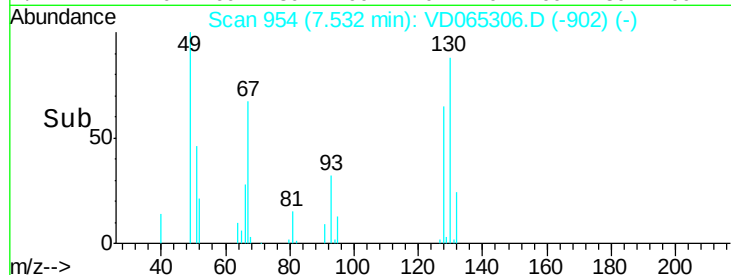
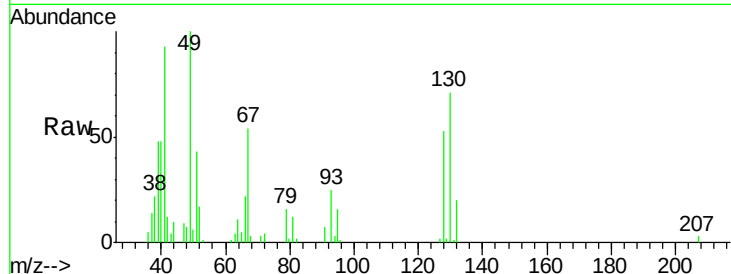
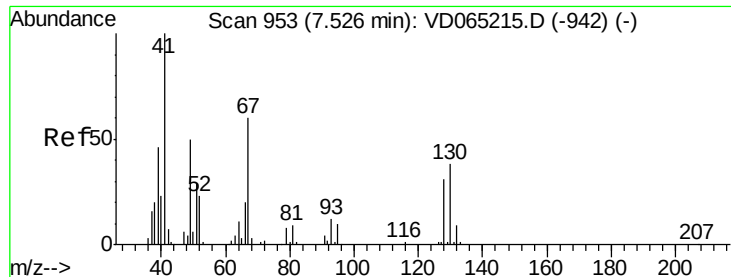
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#40
Benzene
Concen: 20.529 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.0	28.6





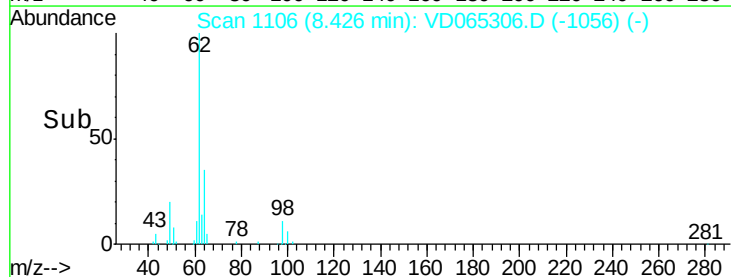
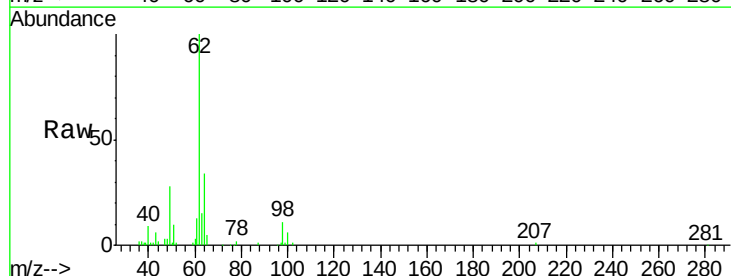
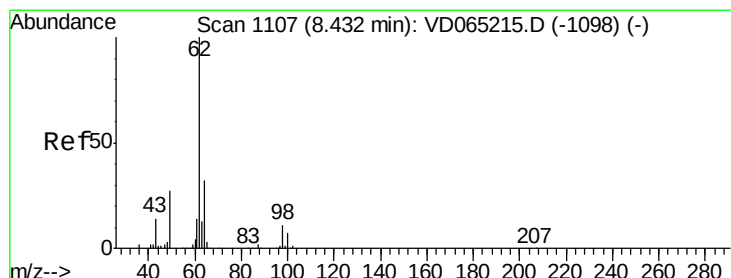
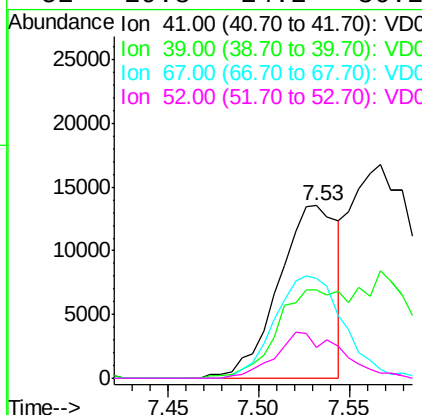
#41
Methacrylonitrile
Concen: 18.867 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tot Ion	41	Resp	30831
Ion Ratio	100	Lower	Upper
41	100		
39	60.0	48.1	72.1
67	69.5	58.9	88.3
52	29.8	24.2	36.2

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

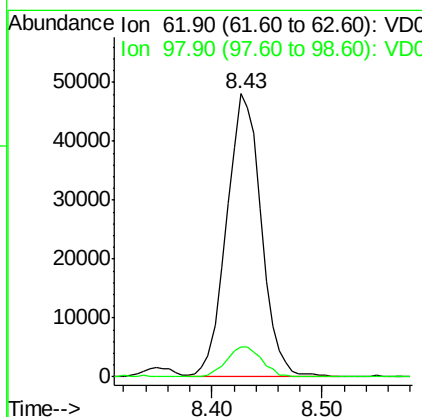
Manual Integrations
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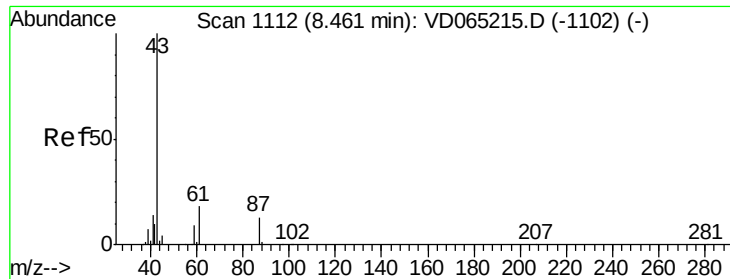
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2/26/2020 10:25:40 AM



#42
1,2-Dichloroethane
Concen: 20.159 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	62	Resp	105900
Ion Ratio	100	Lower	Upper
62	100		
98	10.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.319 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

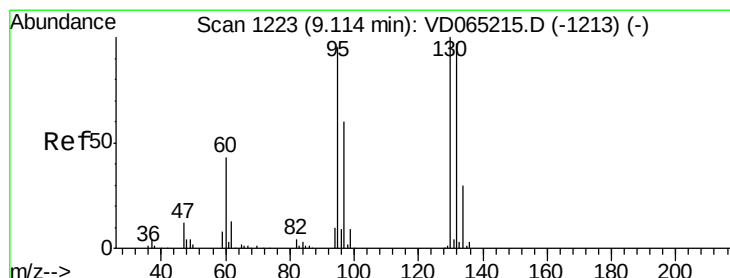
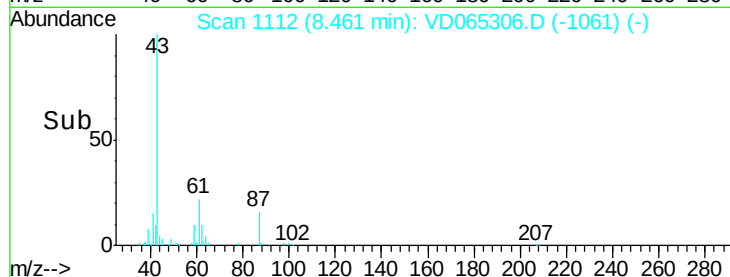
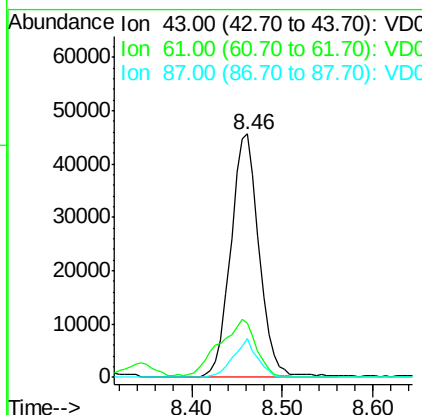
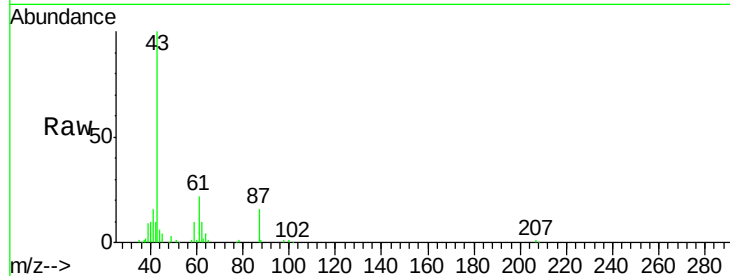
ClientSampleId :

VD0225SBS01

Tot Ion:	43	Resp:	99426
Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.6	36.8
87	13.2	10.6	16.0

Manual Integrations
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MMDadoda
2/26/2020 10:25:40 AM



#44

Trichloroethene

Concen: 20.768 ug/l

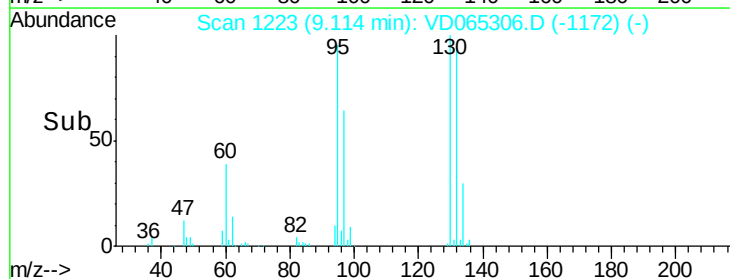
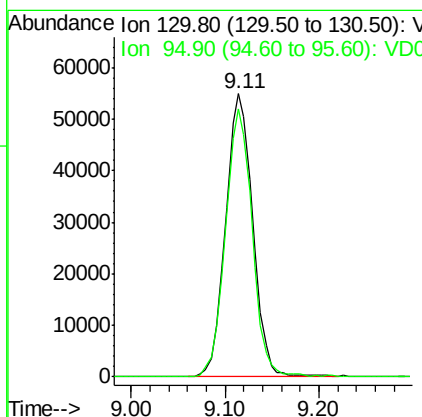
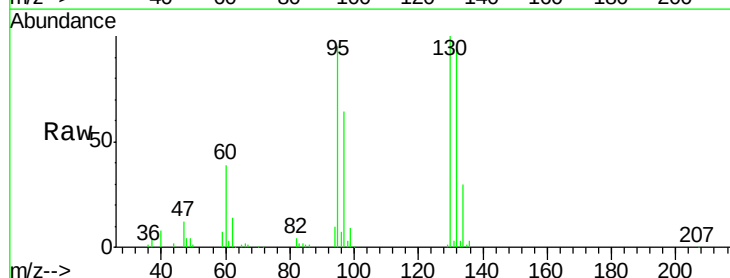
RT: 9.11 min Scan# 1223

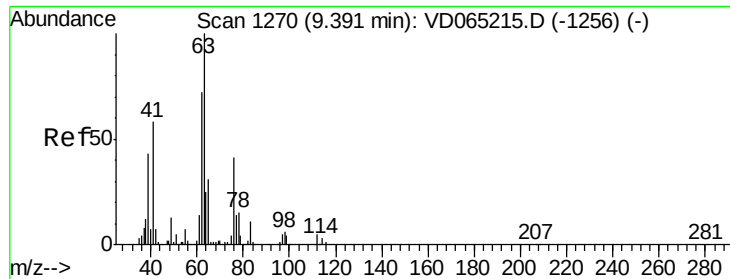
Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Tgt Ion:	130	Resp:	110006
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	190.6





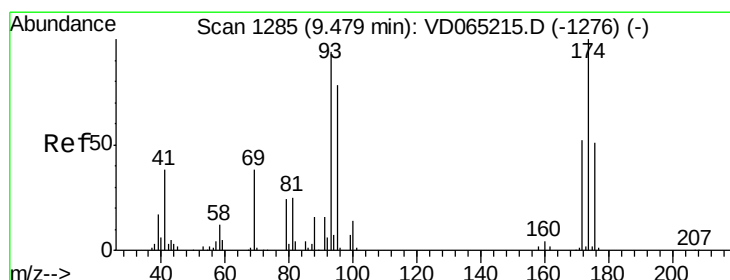
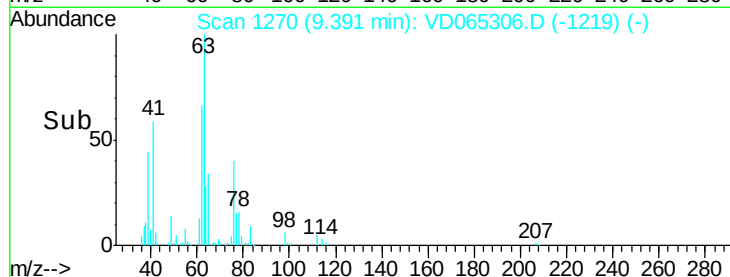
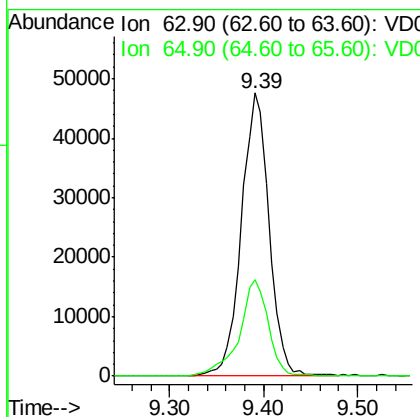
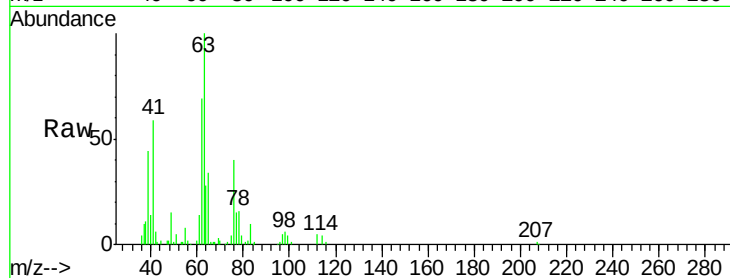
#45
 1,2-Dichloropropane
 Concen: 20.415 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.3	24.9	37.3

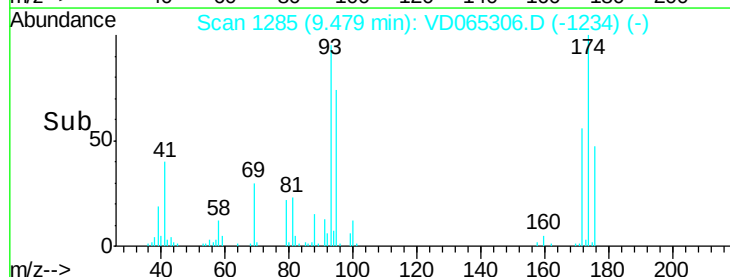
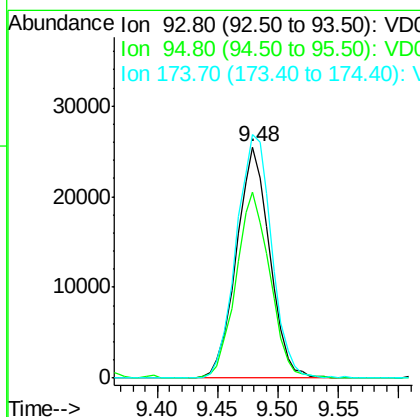
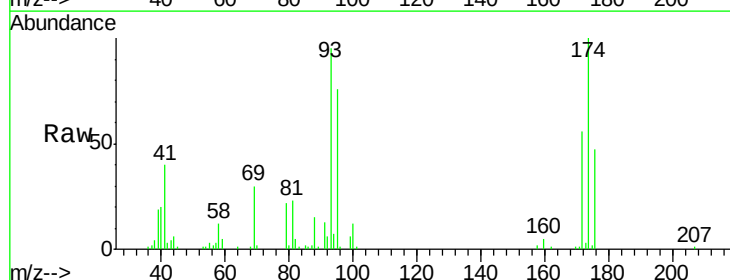
Manual Integrations
 APPROVED

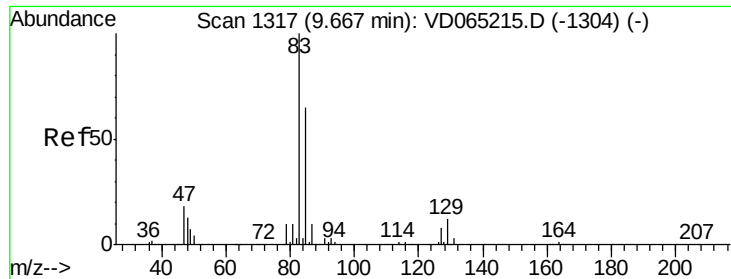
MMDadoda
 2/26/2020 10:25:40 AM



#46
 Dibromomethane
 Concen: 20.086 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.8	98.6
174	111.1	86.8	130.2





#47

Bromodichloromethane

Concen: 20.313 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

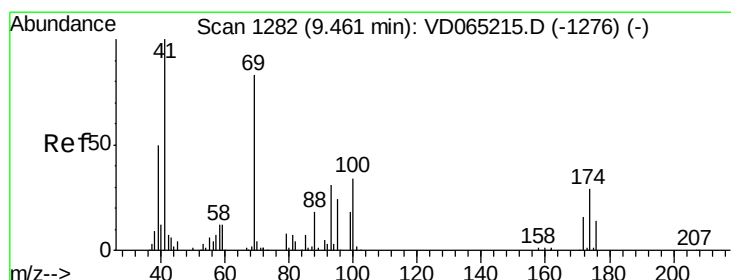
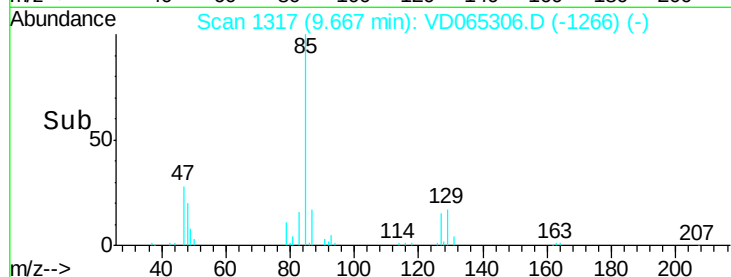
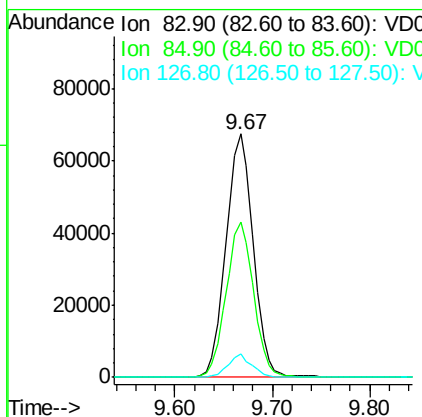
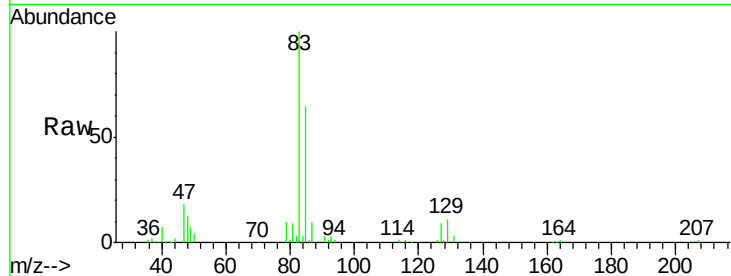
ClientSampleId :

VD0225SBS01

Tot Ion:	83	Resp:	130873
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.0	78.0
127	9.4	6.7	10.1

Manual Integrations
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MMDadoda
2/26/2020 10:25:40 AM



#48

Methyl methacrylate

Concen: 19.868 ug/l

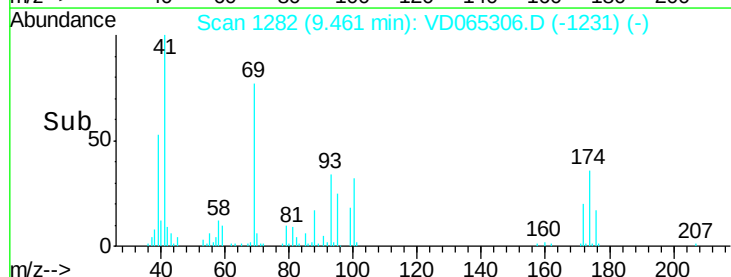
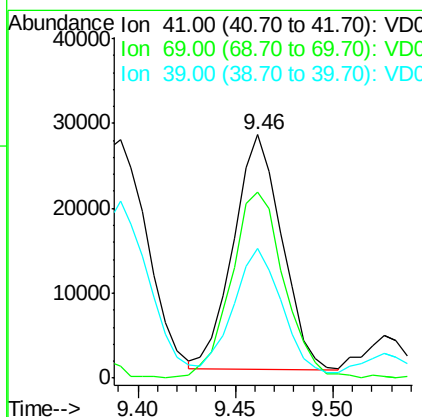
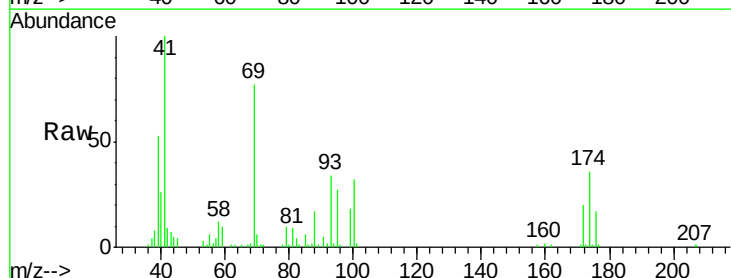
RT: 9.46 min Scan# 1282

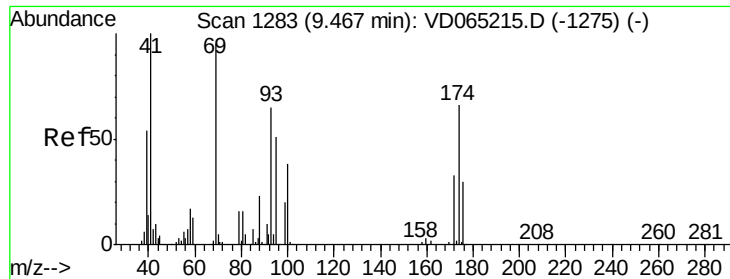
Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Tgt Ion:	41	Resp:	47264
Ion	Ratio	Lower	Upper
41	100		
69	87.3	68.2	102.2
39	52.2	42.0	63.0





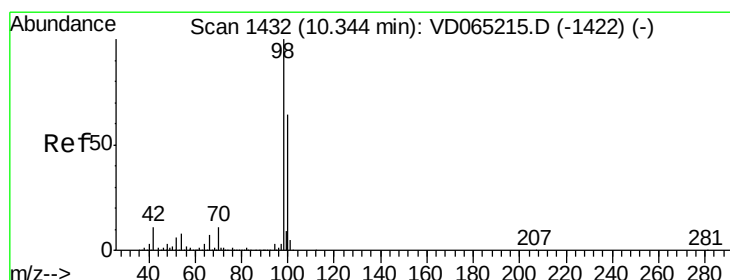
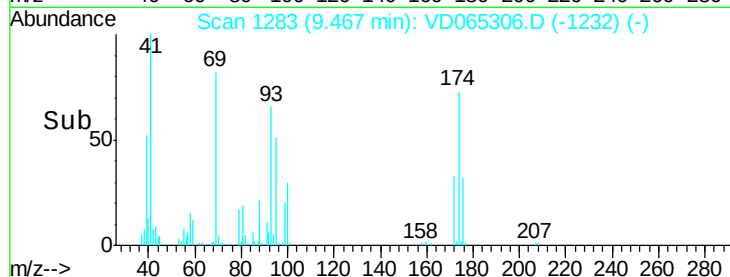
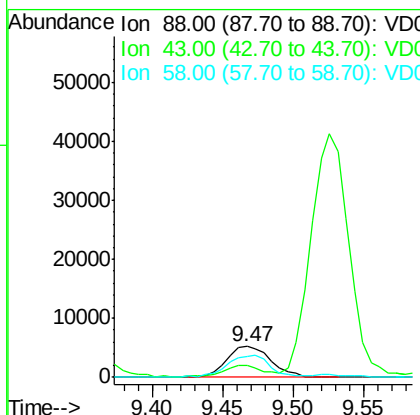
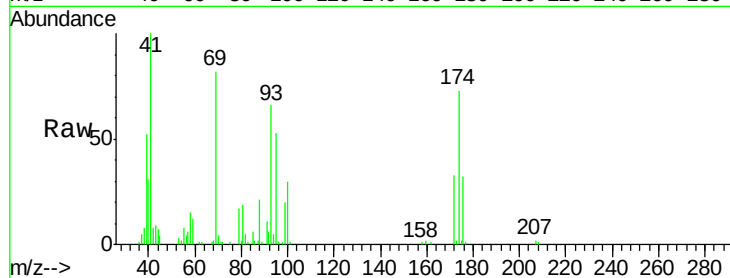
#49
1,4-Dioxane
Concen: 399.772 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	28.5	42.7
58	70.1	58.6	87.8

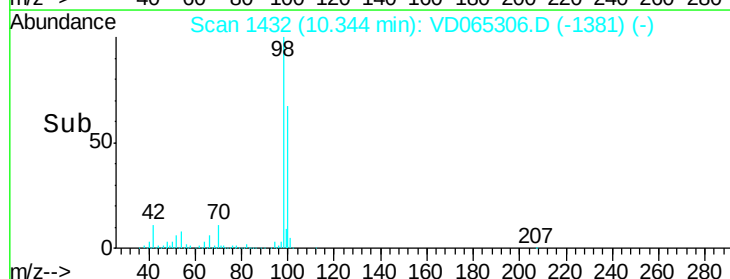
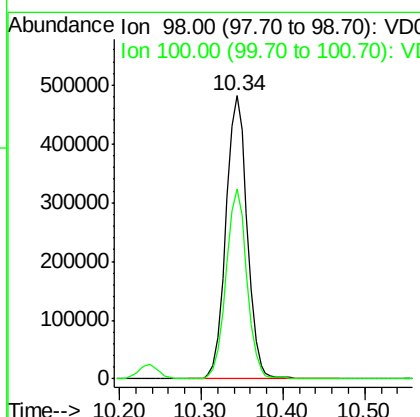
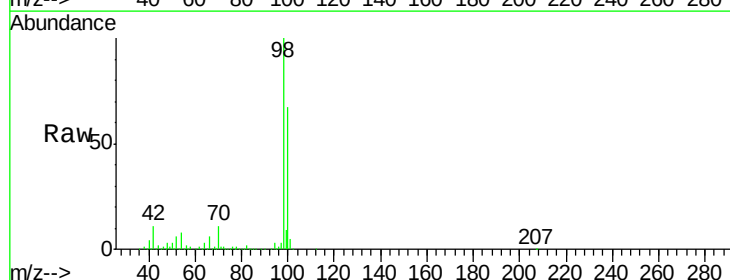
Manual Integrations
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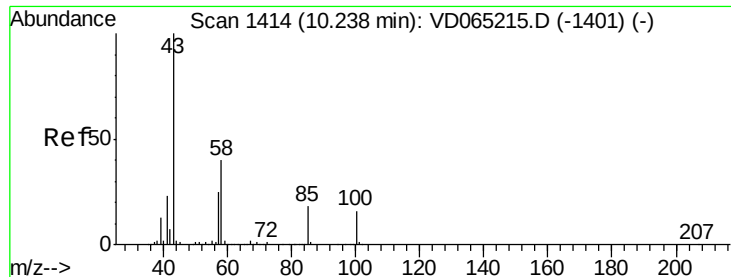
MMDadoda
2/26/2020 10:25:40 AM



#50
Toluene-d8
Concen: 53.787 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.0	78.0





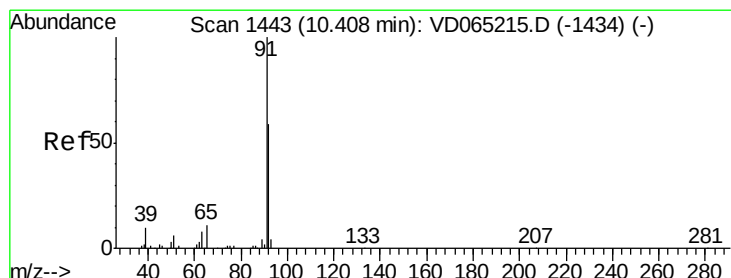
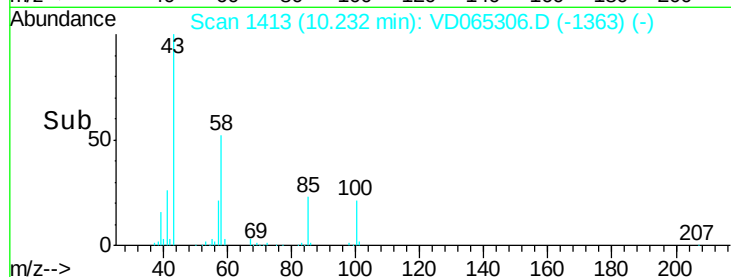
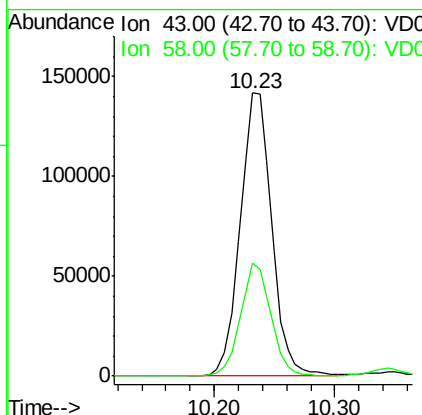
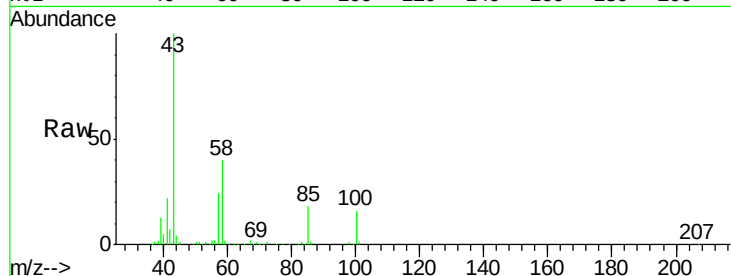
#51
4-Methyl-2-Pentanone
Concen: 99.383 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	31.1	46.7

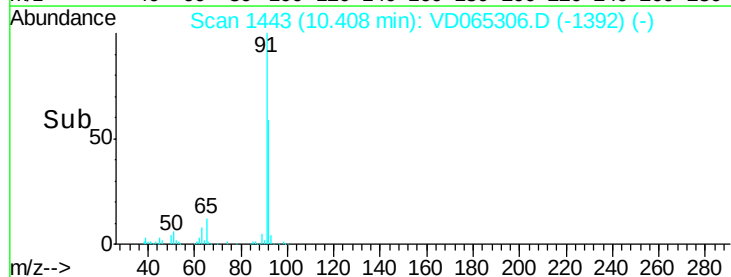
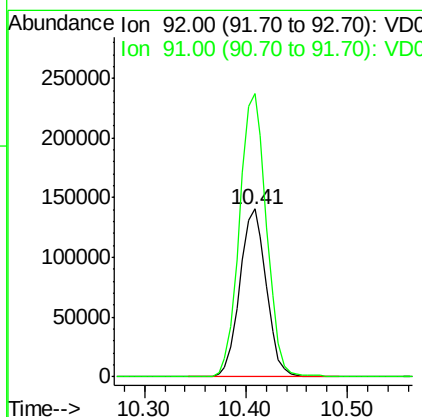
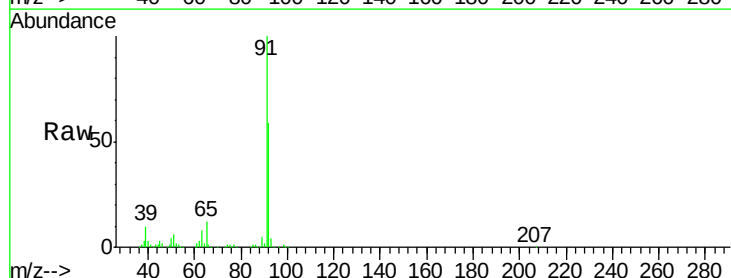
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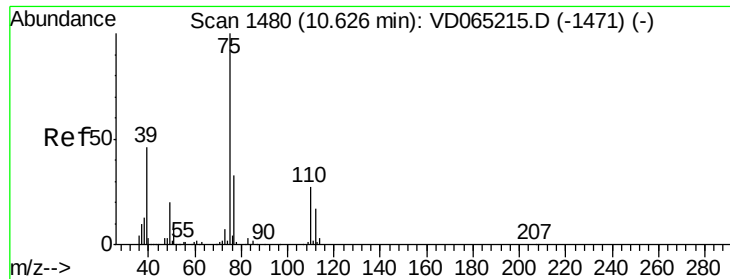
MMDadoda
2/26/2020 10:25:40 AM



#52
Toluene
Concen: 21.646 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.5	136.3	204.5





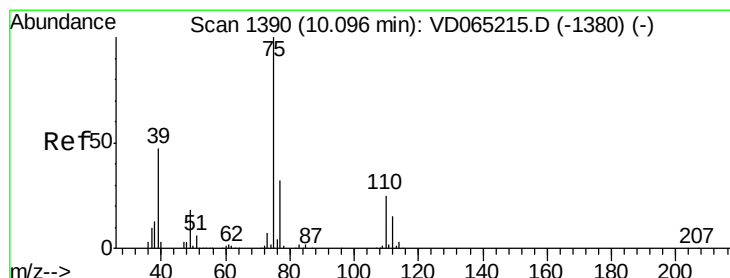
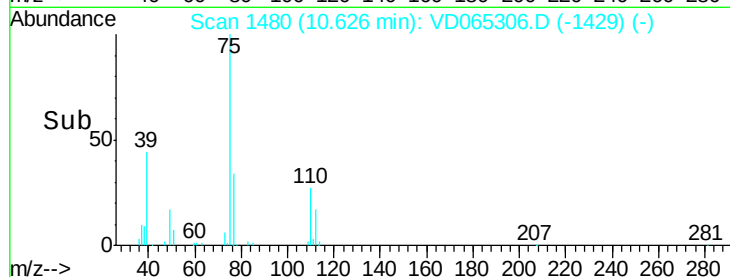
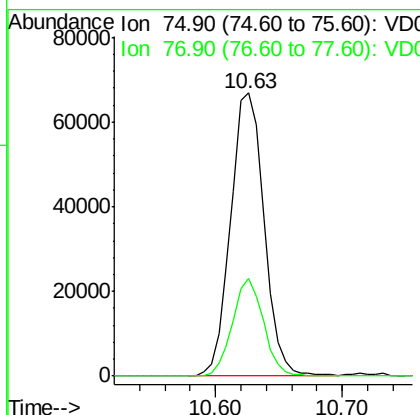
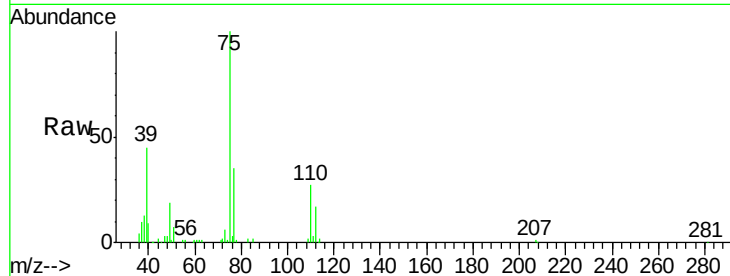
#53
t-1,3-Dichloropropene
Concen: 20.459 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	75	Resp	122184
Ion Ratio	Lower	Upper	
75	100		
77	34.6	26.6	40.0

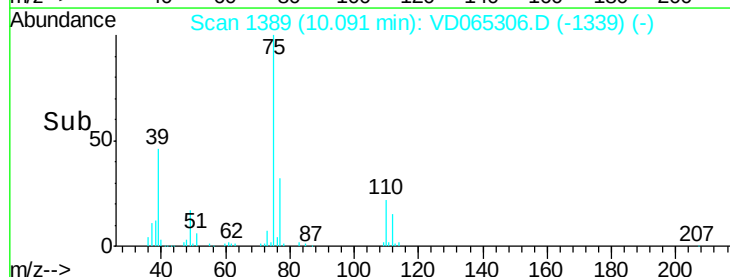
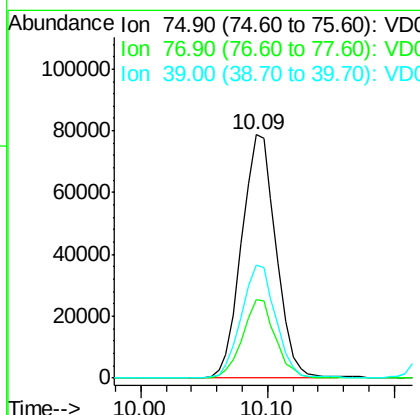
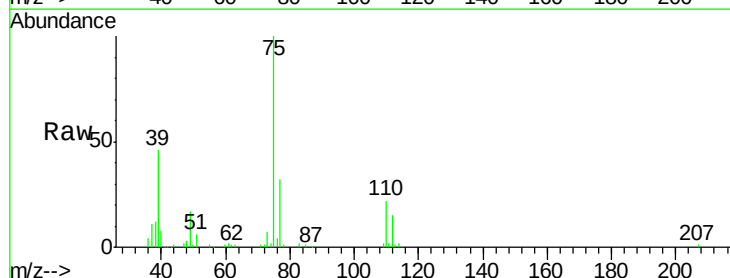
Manual Integrations
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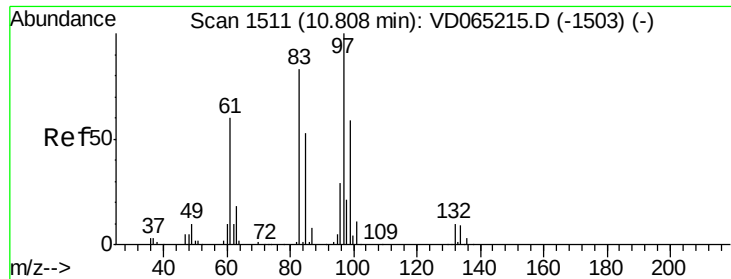
MMDadoda
2/26/2020 10:25:40 AM



#54
cis-1,3-Dichloropropene
Concen: 20.631 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	75	Resp	148777
Ion Ratio	Lower	Upper	
75	100		
77	32.3	25.8	38.8
39	46.2	37.3	55.9





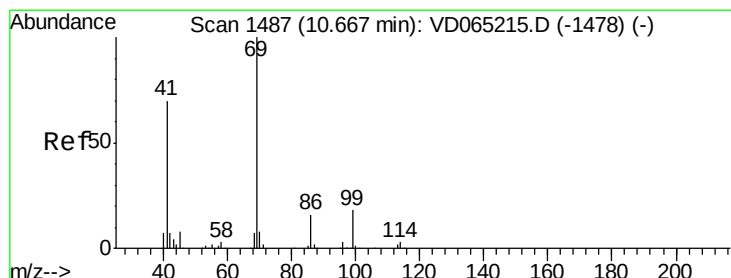
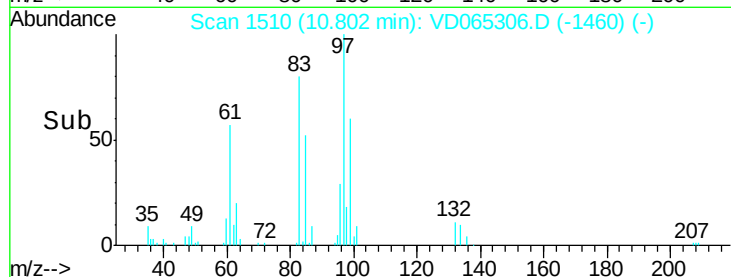
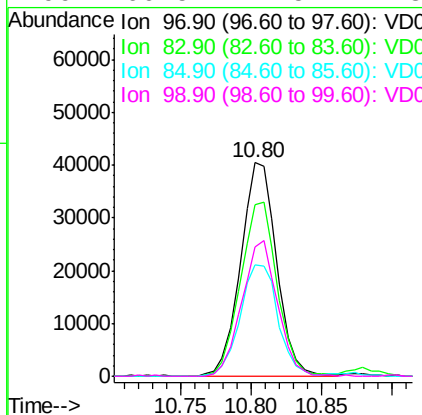
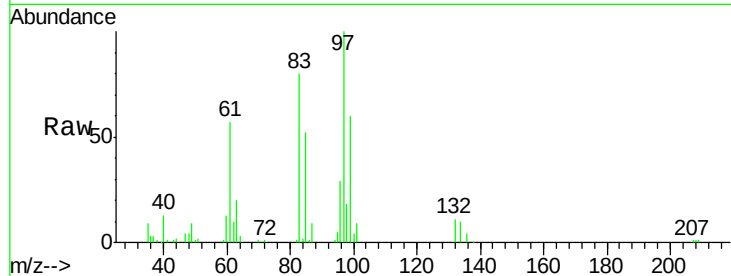
#55
 1,1,2-Trichloroethane
 Concen: 21.036 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion	97	Resp	72386
Ion	Ratio	Lower	Upper
97	100		
83	80.1	66.7	100.1
85	52.4	42.4	63.6
99	60.5	47.5	71.3

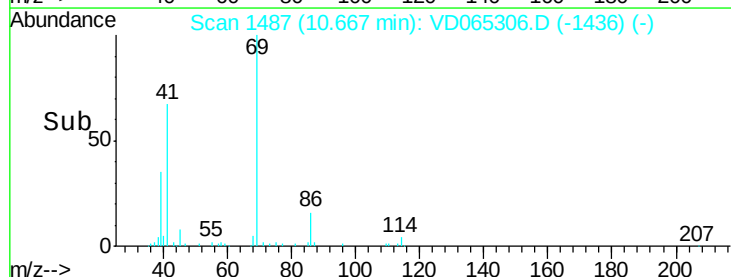
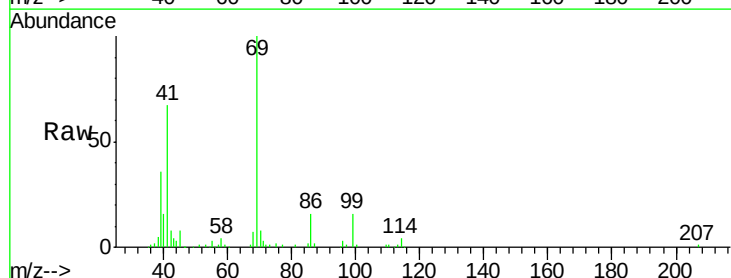
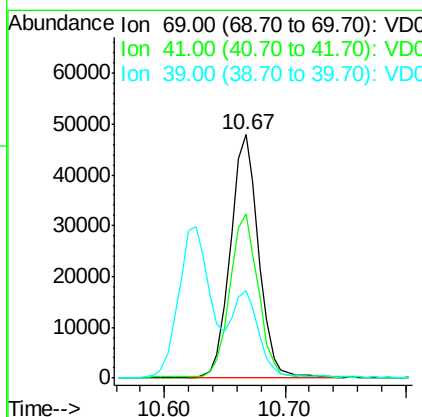
Manual Integrations
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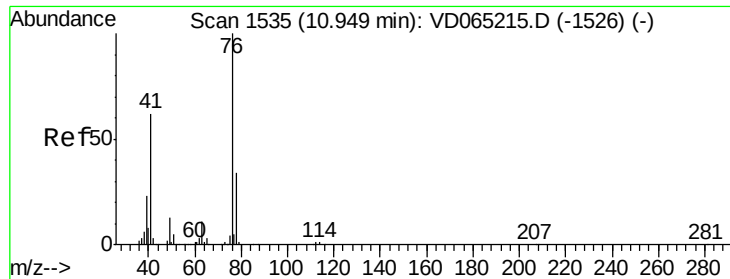
MMDadoda
 2/26/2020 10:25:40 AM



#56
 Ethyl methacrylate
 Concen: 19.685 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion	69	Resp	78184
Ion	Ratio	Lower	Upper
69	100		
41	66.8	54.6	81.8
39	33.3	26.5	39.7





#57

1,3-Dichloropropane

Concen: 20.497 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 76 Resp: 120044

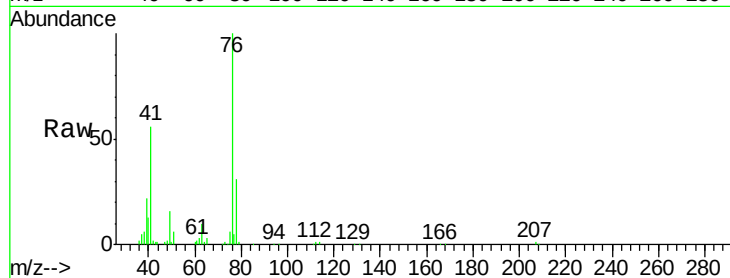
Ion Ratio Lower Upper

76 100

78 32.0 26.3 39.5

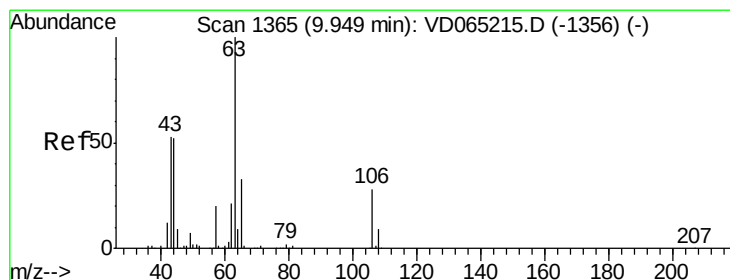
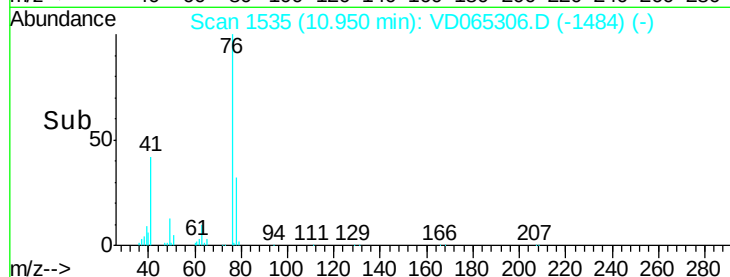
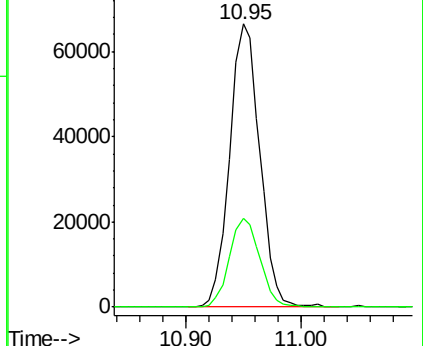
Manual Integrations
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MMDadoda
2/26/2020 10:25:40 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 96.892 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065306.D

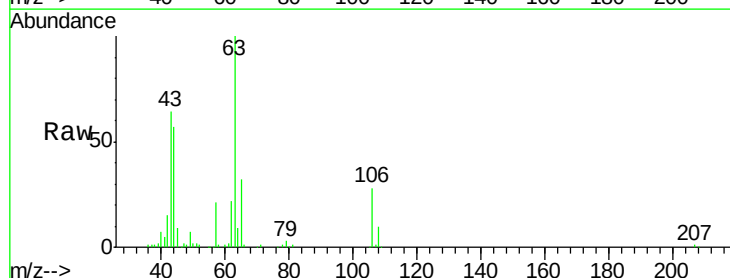
Acq: 25 Feb 2020 12:46

Tgt Ion: 63 Resp: 121326

Ion Ratio Lower Upper

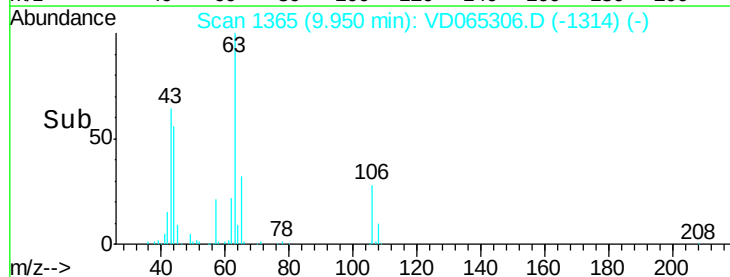
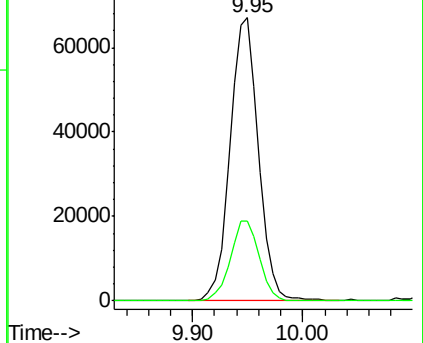
63 100

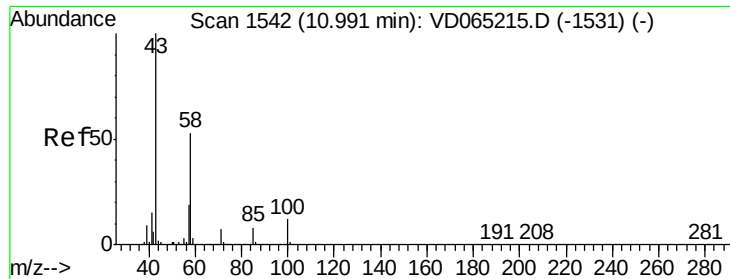
106 28.5 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC





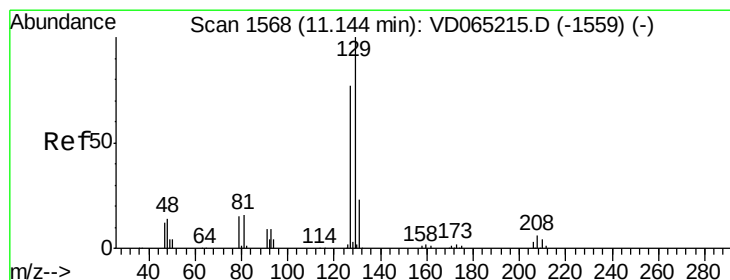
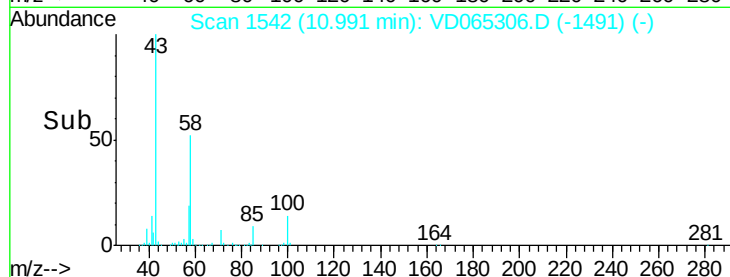
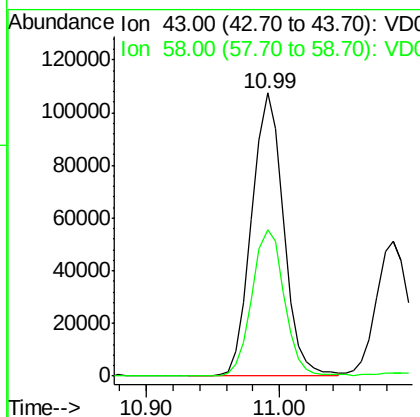
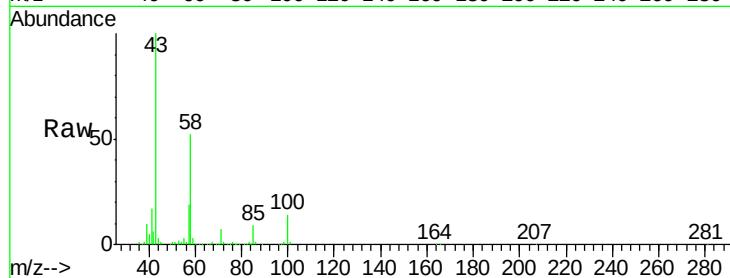
#59
2-Hexanone
Concen: 94.851 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion: 43 Resp: 177487
Ion Ratio Lower Upper
43 100
58 52.5 26.3 78.8

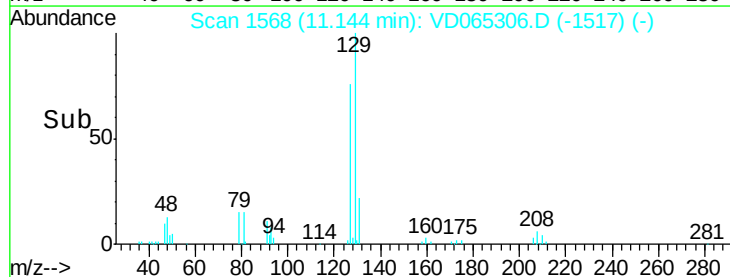
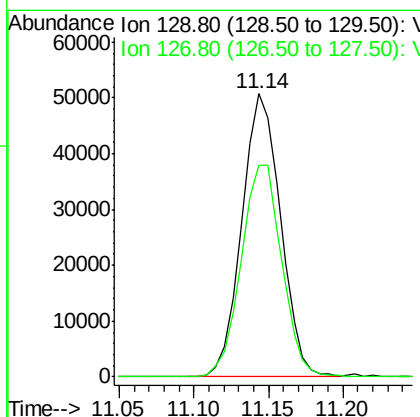
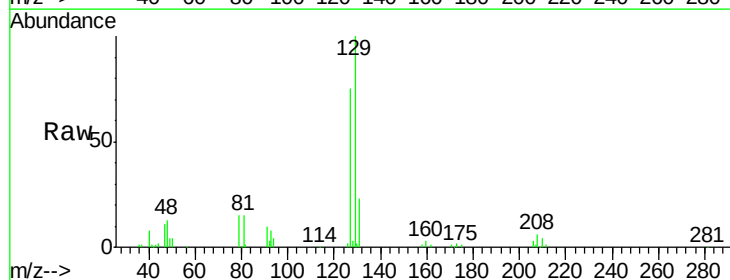
Manual Integrations
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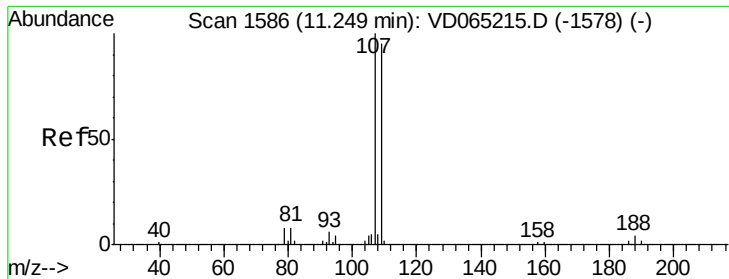
MMDadoda
2/26/2020 10:25:40 AM



#60
Dibromochloromethane
Concen: 20.644 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion: 129 Resp: 90922
Ion Ratio Lower Upper
129 100
127 78.6 38.7 116.1





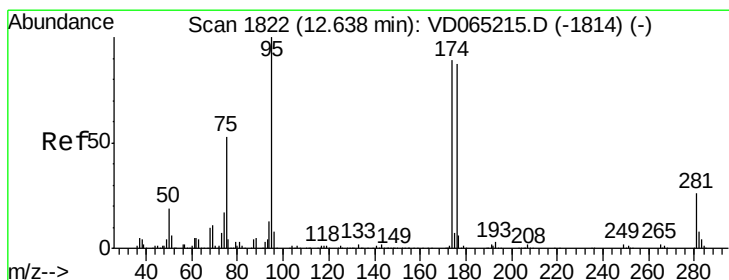
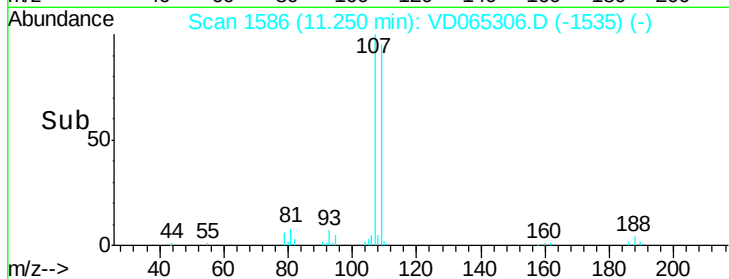
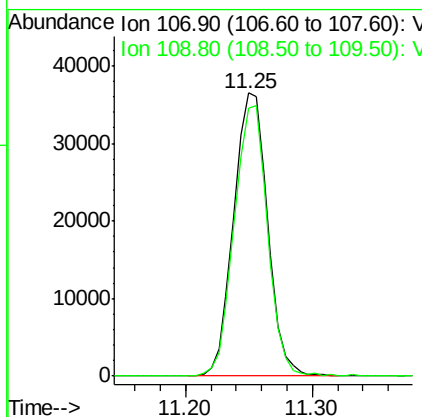
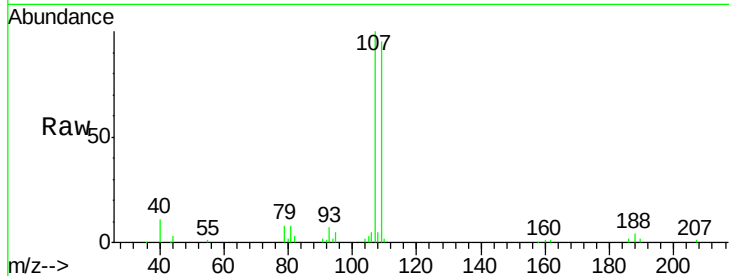
#61
 1,2-Dibromoethane
 Concen: 20.776 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion: 107 Resp: 67690
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.2 114.4

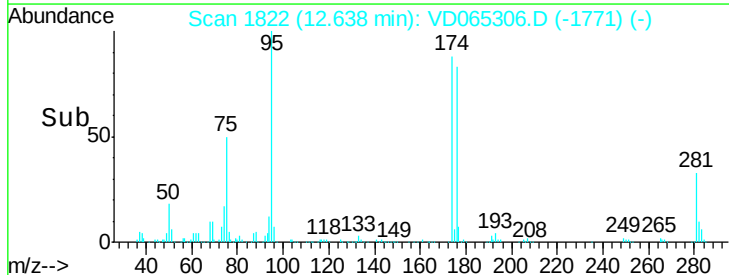
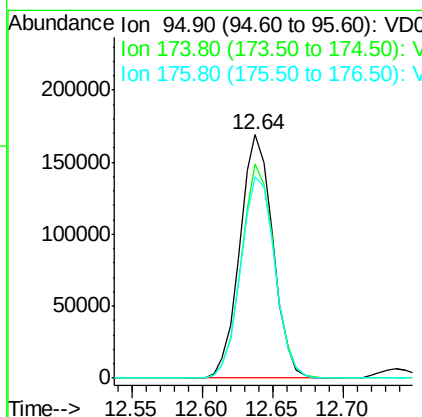
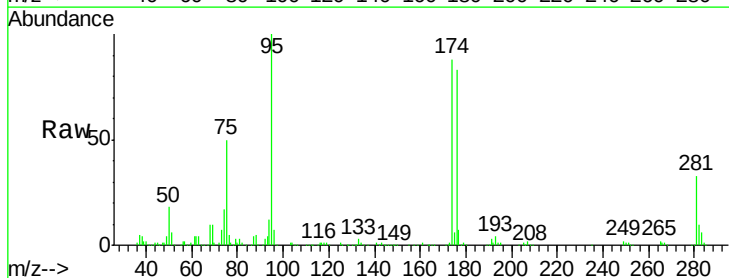
Manual Integrations
 APPROVED

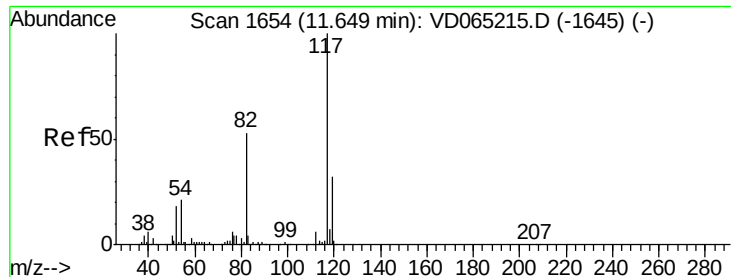
MMDadoda
 2/26/2020 10:25:40 AM



#62
 4-Bromofluorobenzene
 Concen: 53.801 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion: 95 Resp: 276427
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 178.0
 176 85.4 0.0 174.4





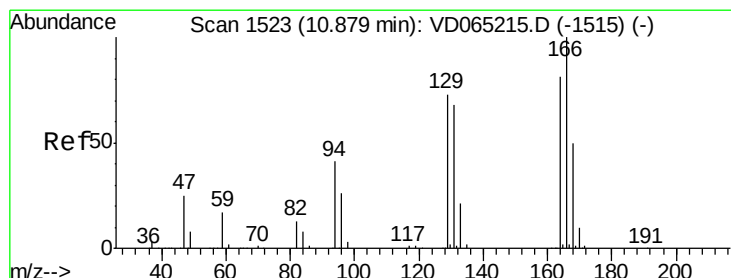
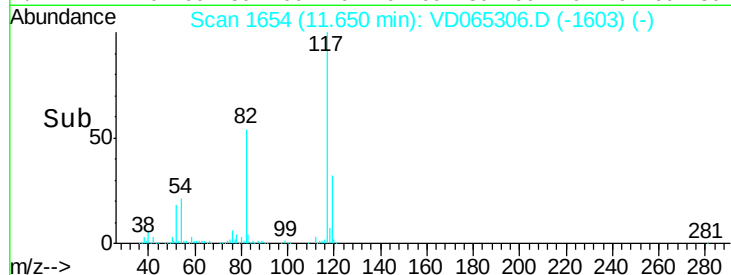
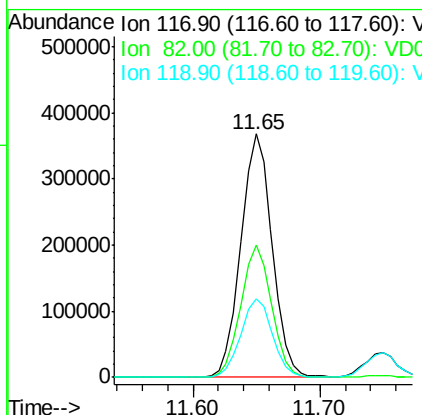
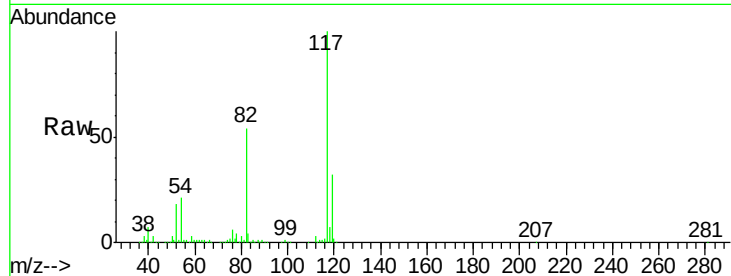
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.7	64.1
119	32.3	25.5	38.3

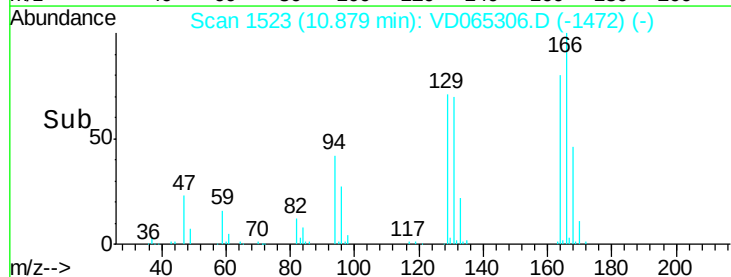
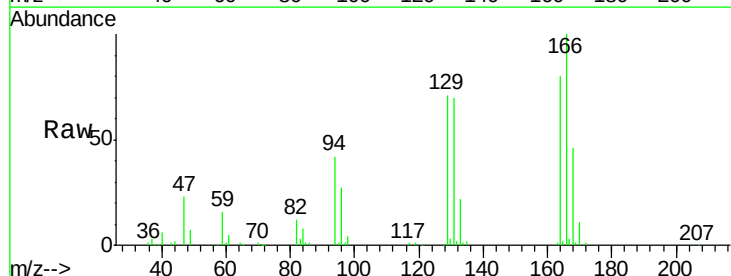
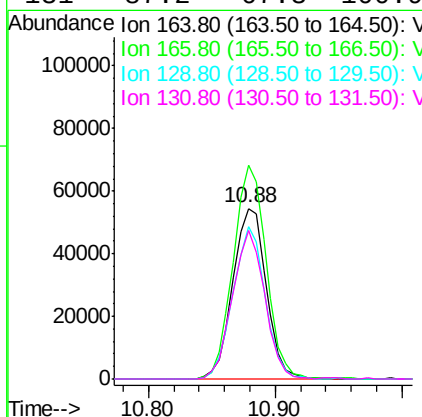
Manual Integrations
APPROVED

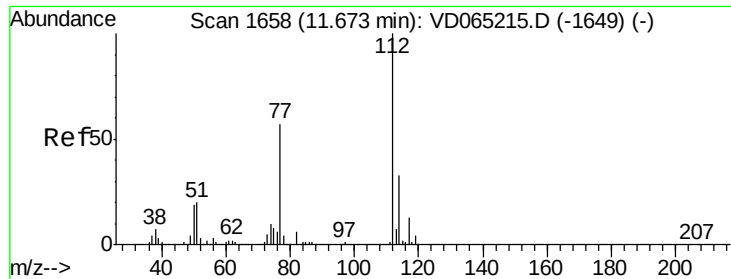
MMDadoda
2/26/2020 10:25:40 AM



#64
Tetrachloroethene
Concen: 22.230 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	98.4	147.6
129	89.0	71.6	107.4
131	87.2	67.3	100.9





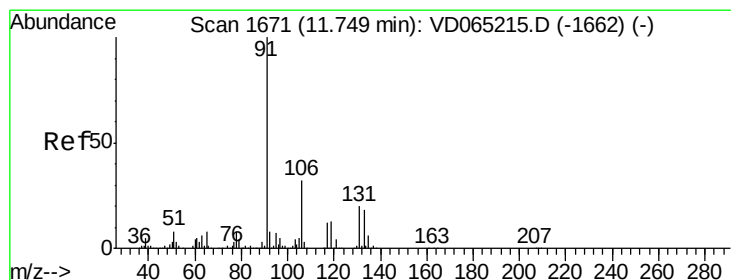
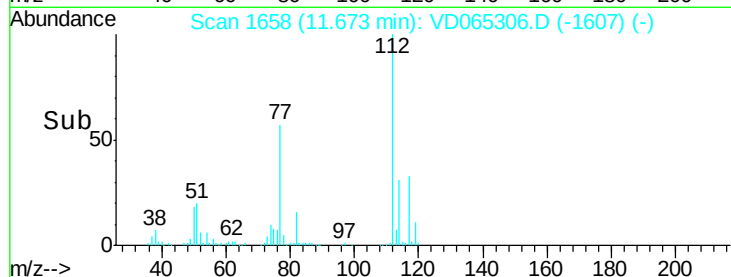
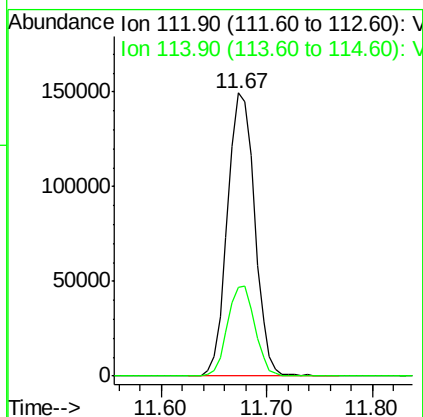
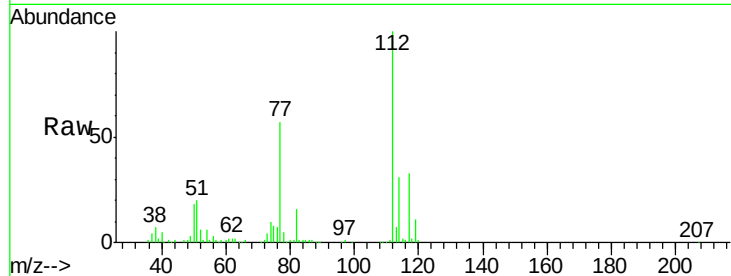
#65
Chlorobenzene
Concen: 21.088 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	267019		
114	31.3	26.4	39.6	

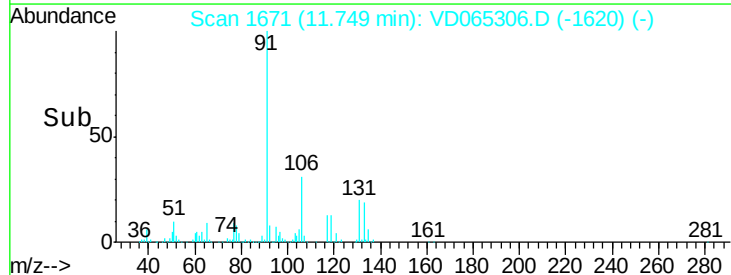
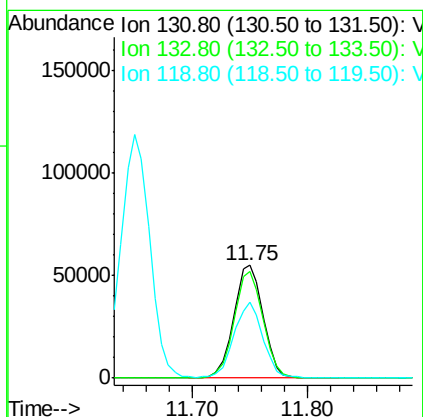
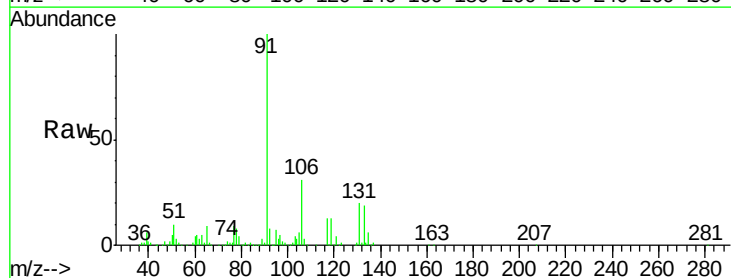
Manual Integrations
APPROVED

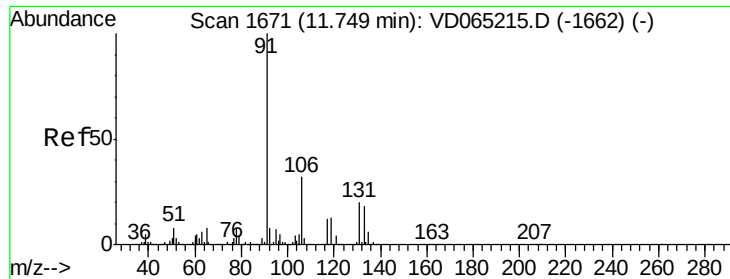
MMDadoda
2/26/2020 10:25:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.472 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	96733		
133	93.7	47.7	143.1	
119	66.3	32.7	98.1	





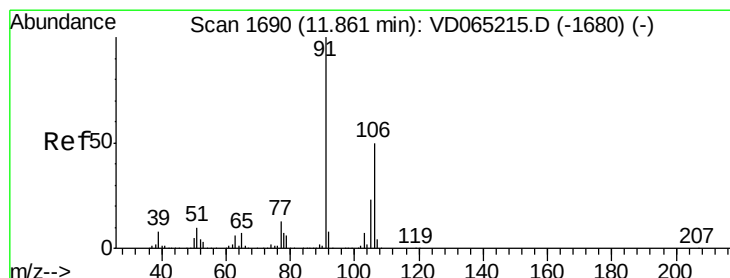
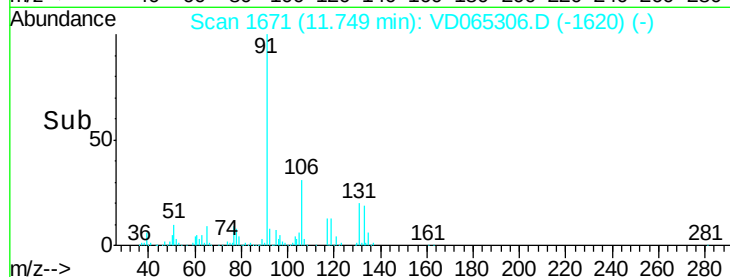
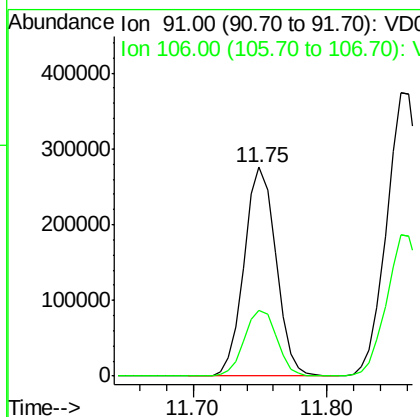
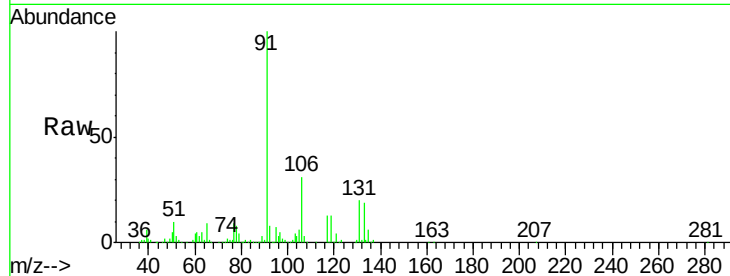
#67
Ethyl Benzene
Concen: 20.592 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion: 91 Resp: 456648
Ion Ratio Lower Upper
91 100
106 31.3 25.2 37.8

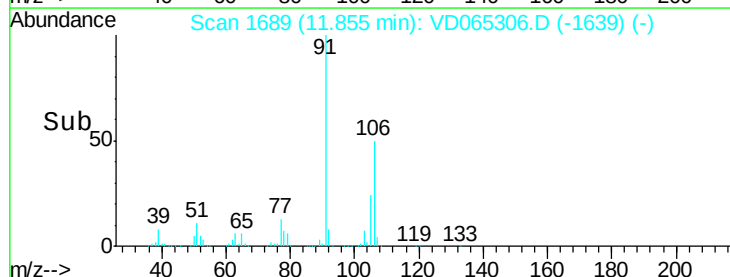
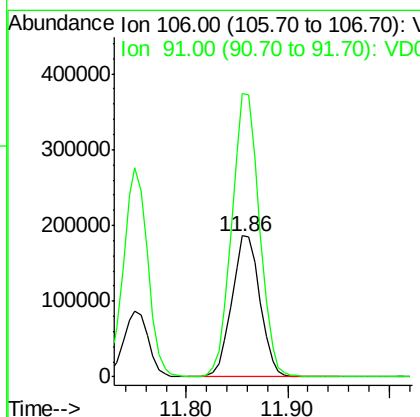
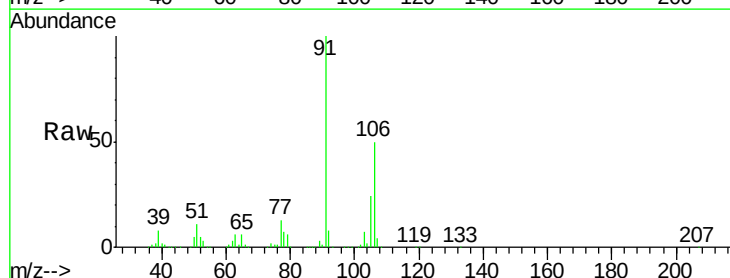
Manual Integrations
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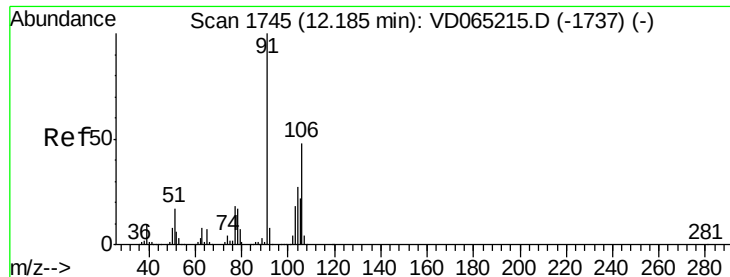
MMDadoda
2/26/2020 10:25:40 AM



#68
m/p-Xylenes
Concen: 42.387 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion: 106 Resp: 359635
Ion Ratio Lower Upper
106 100
91 197.2 158.2 237.4





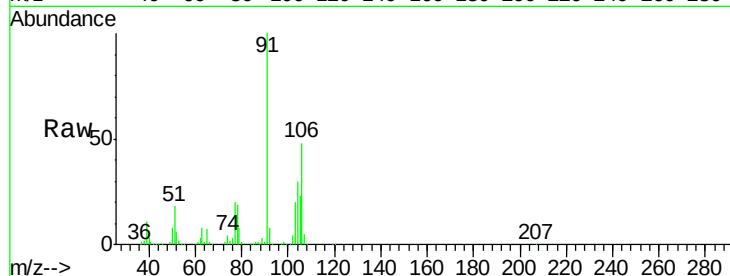
#69
o-Xylene
Concen: 21.040 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

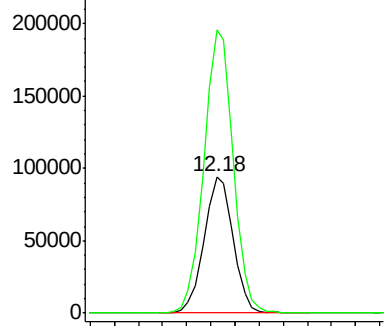
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	158153		
91	91	208.3	104.7	313.9	

Manual Integrations
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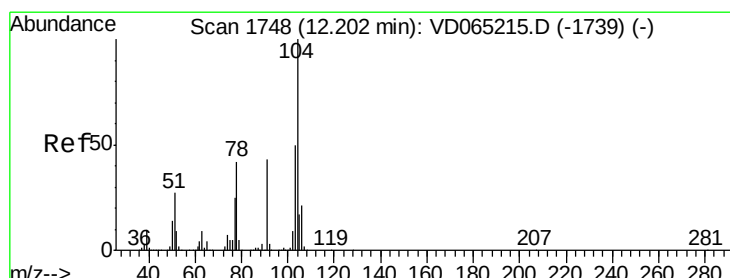
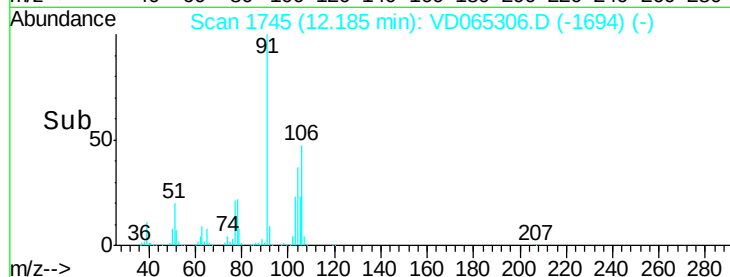
MMDadoda
2/26/2020 10:25:40 AM



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

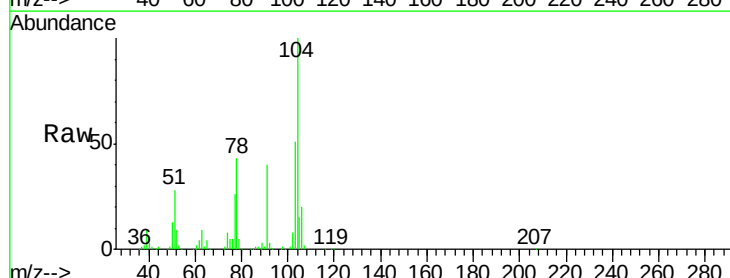


Time-->

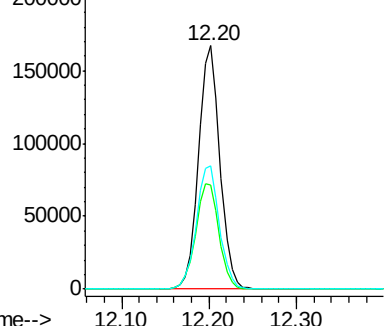


#70
Styrene
Concen: 20.998 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

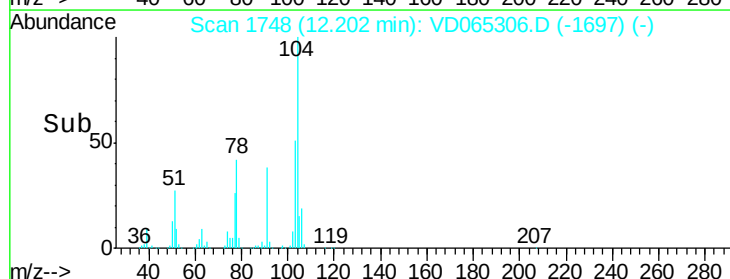
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	280233		
78	78	47.3	37.8	56.6	
103	103	54.8	43.4	65.2	

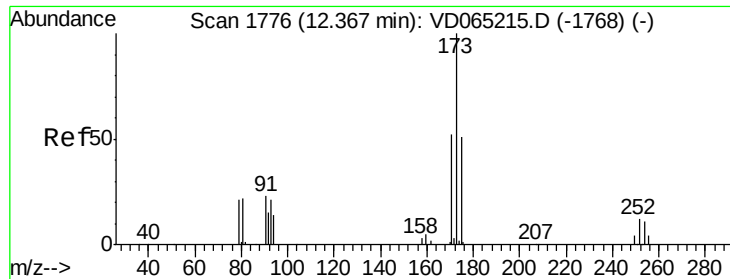


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time-->





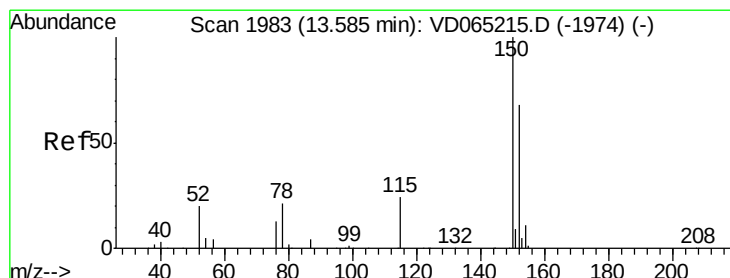
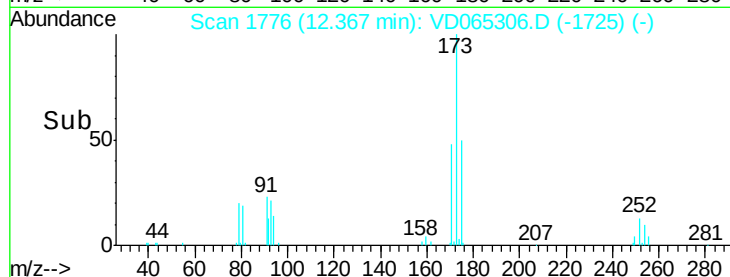
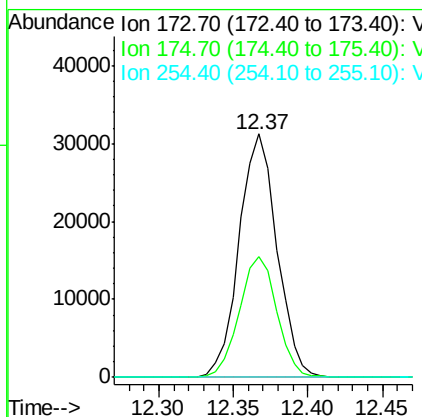
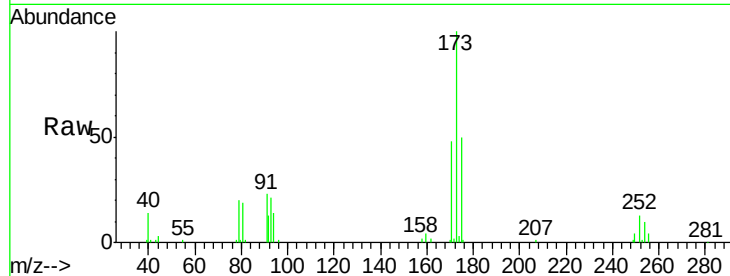
#71
Bromoform
Concen: 20.900 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.4
254	0.0	0.0	0.0

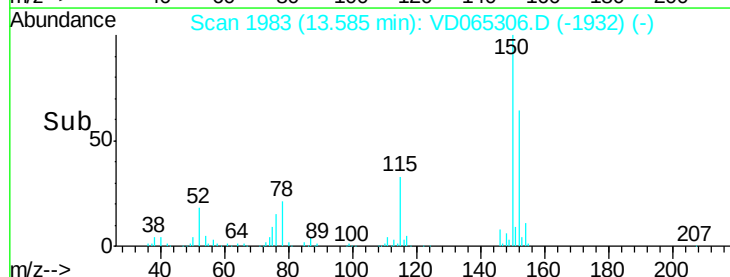
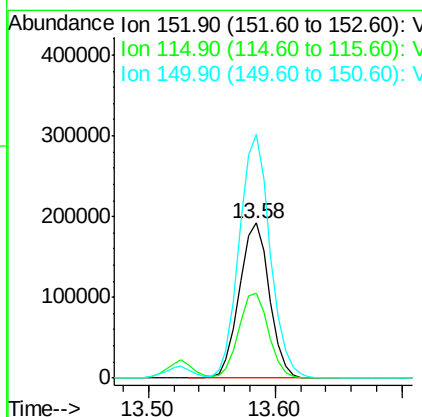
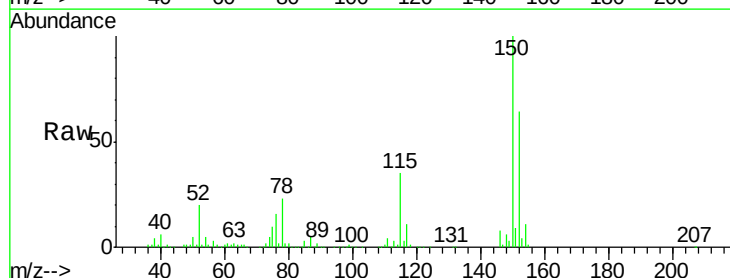
Manual Integrations
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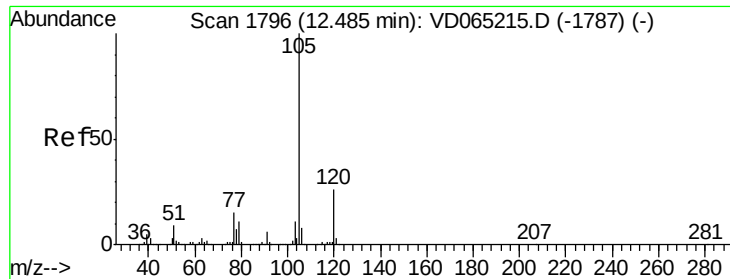
MMDadoda
2/26/2020 10:25:40 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.6	82.8
150	161.3	0.0	347.4





#73

Isopropylbenzene

Concen: 20.782 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 105 Resp: 434155

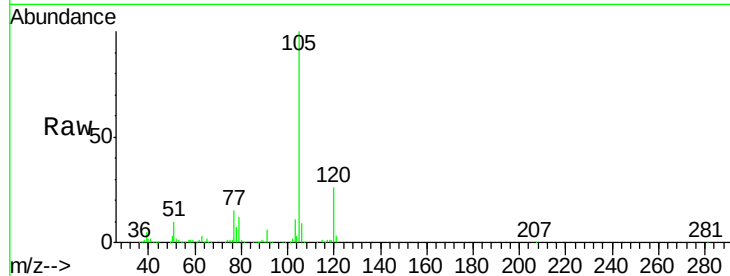
Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9

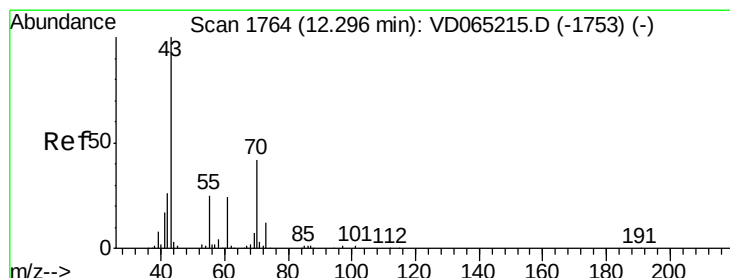
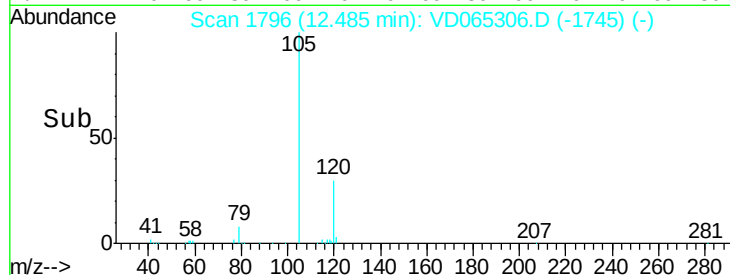
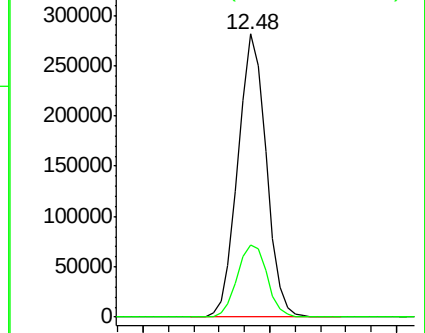
Manual Integrations
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2/26/2020 10:25:40 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.098 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Tgt Ion: 43 Resp: 88654

Ion Ratio Lower Upper

43 100

70 45.2 33.7 50.5

55 28.3 20.7 31.1

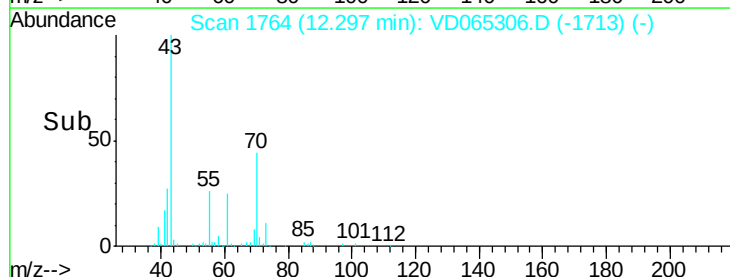
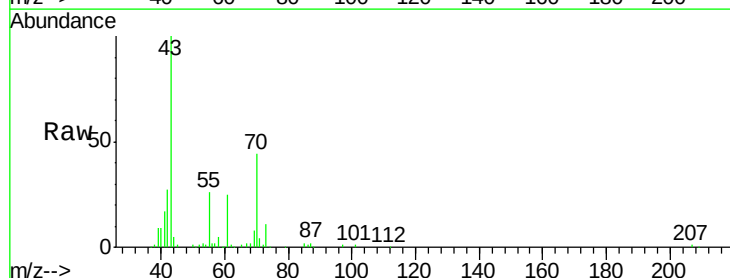
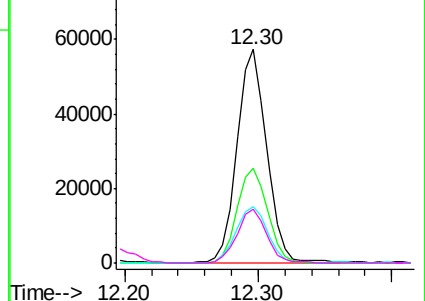
61 25.0 19.0 28.4

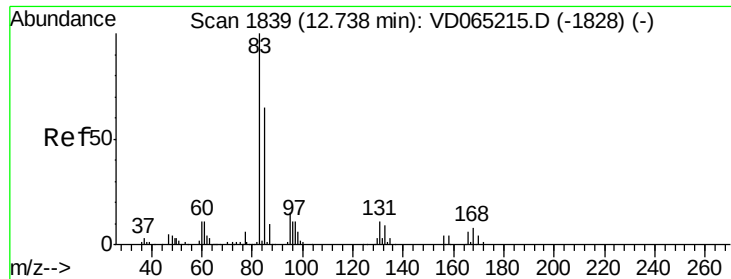
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.899 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

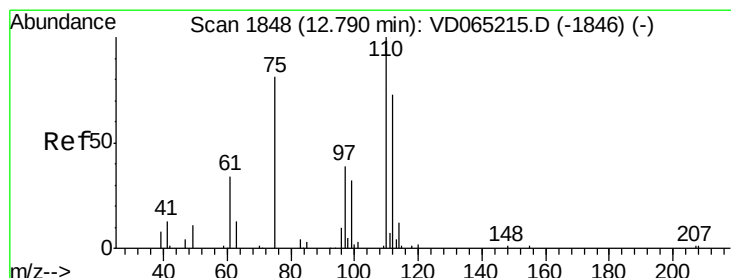
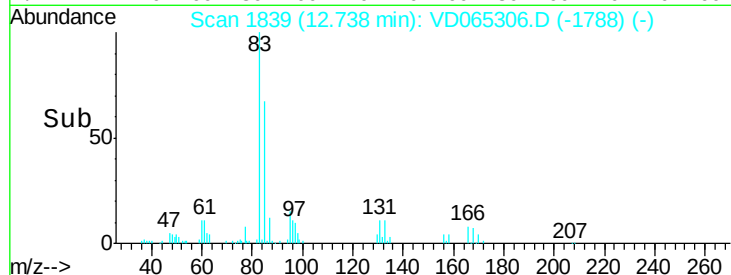
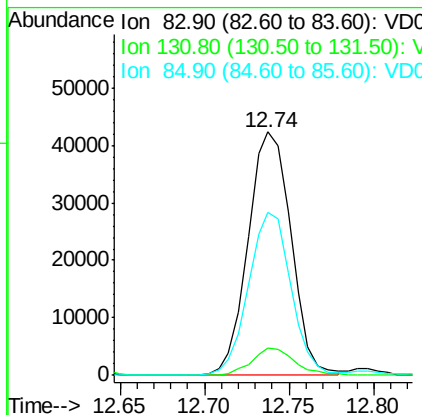
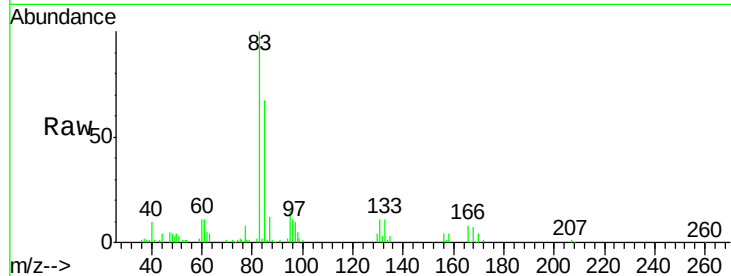
ClientSampleId :

VD0225SBS01

Tot Ion:	83	Resp:	75026
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.4	16.2
85	66.5	31.6	94.8

Manual Integrations
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2/26/2020 10:25:40 AM



#76

1,2,3-Trichloropropane

Concen: 22.293 ug/l m

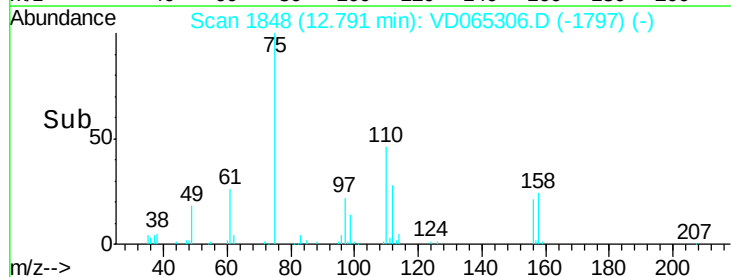
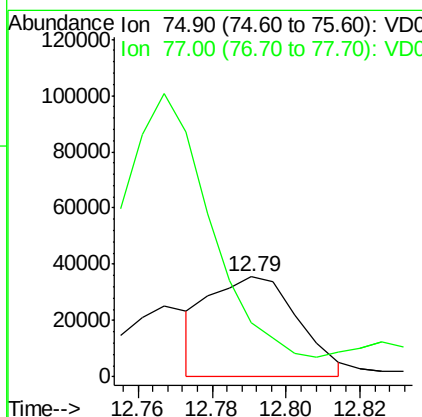
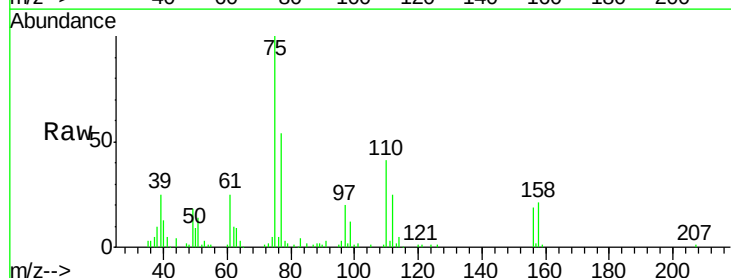
RT: 12.79 min Scan# 1848

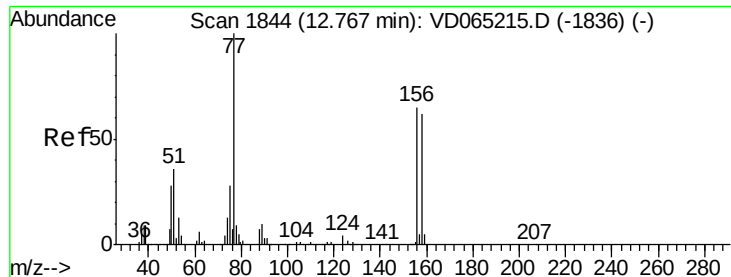
Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Tgt Ion:	75	Resp:	59854
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.442 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

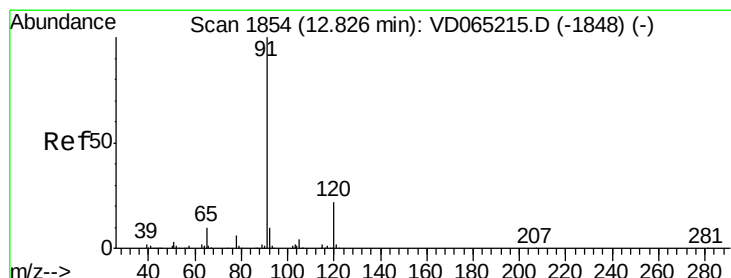
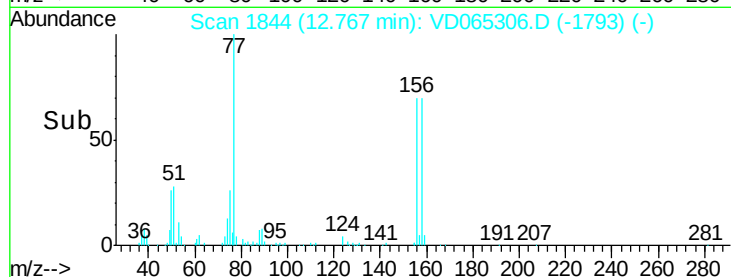
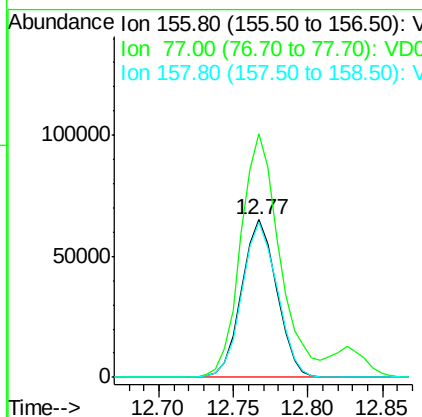
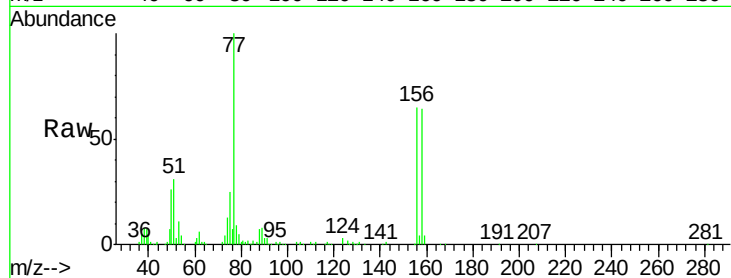
ClientSampleId :

VD0225SBS01

Tot Ion:	156	Resp:	106047
Ion Ratio	Lower	Upper	
156	100		
77	172.4	86.6	259.7
158	99.3	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 20.989 ug/l

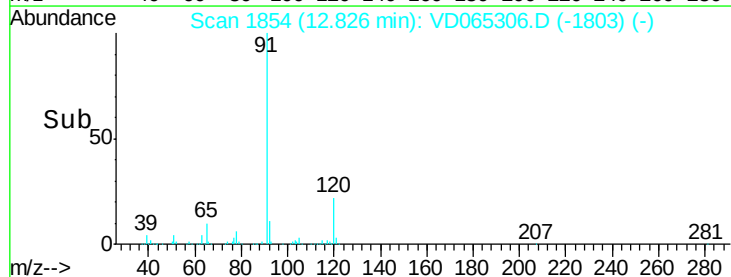
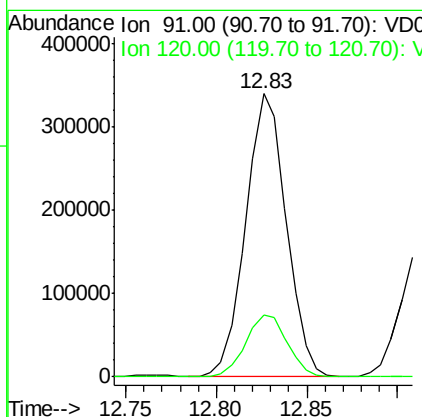
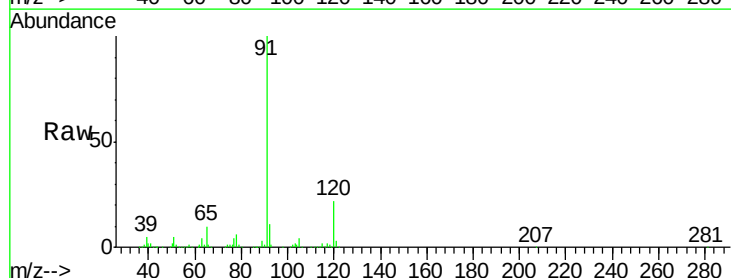
RT: 12.83 min Scan# 1854

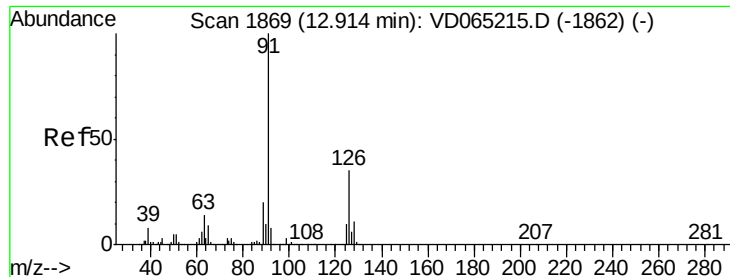
Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Tgt Ion:	91	Resp:	526930
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.509 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 91 Resp: 288448

Ion Ratio Lower Upper

91 100

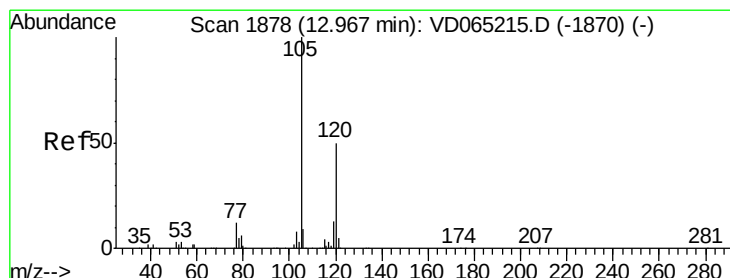
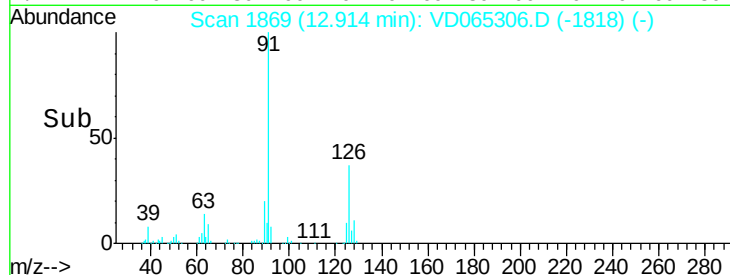
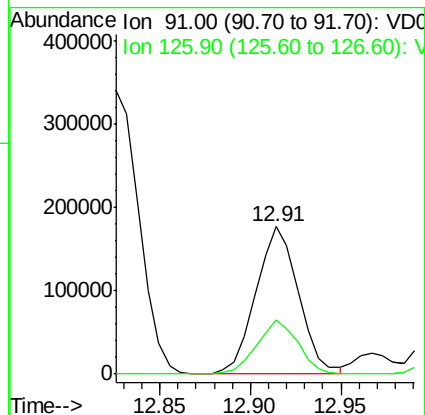
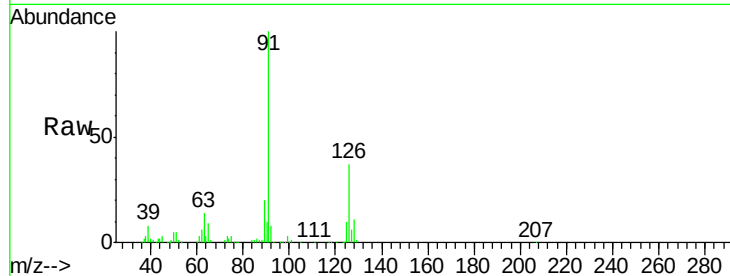
126 35.6 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.102 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065306.D

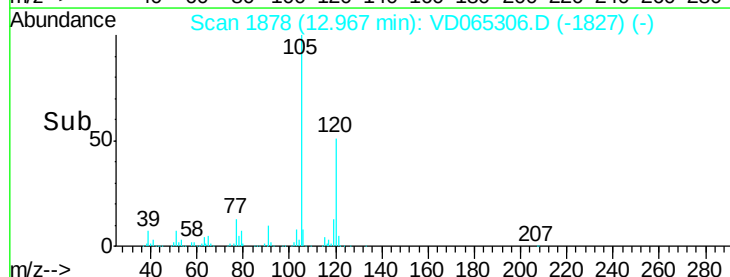
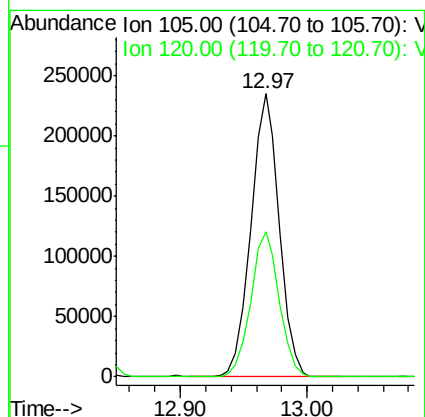
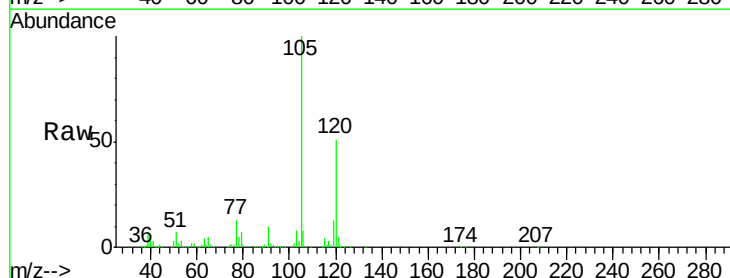
Acq: 25 Feb 2020 12:46

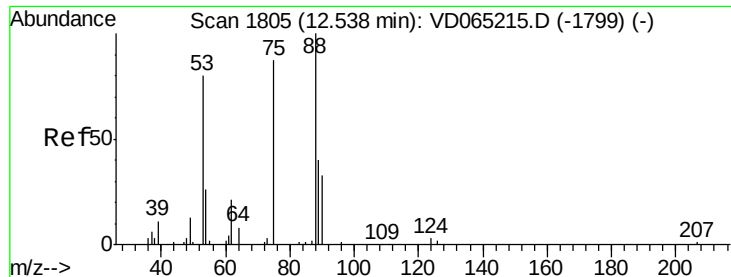
Tgt Ion: 105 Resp: 363096

Ion Ratio Lower Upper

105 100

120 51.3 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.319 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0225SBS01

Tot Ion: 75 Resp: 24022

Ion Ratio Lower Upper

75 100

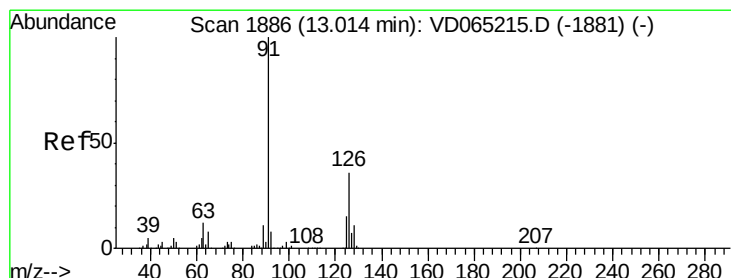
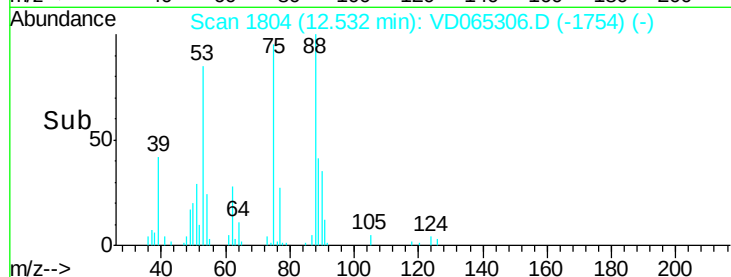
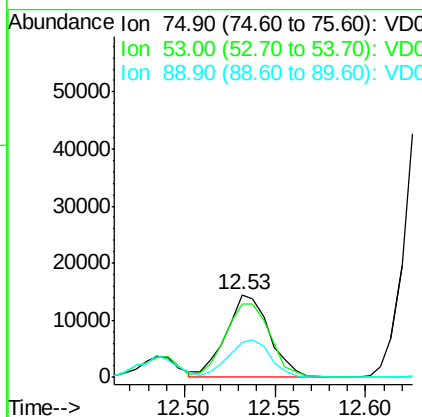
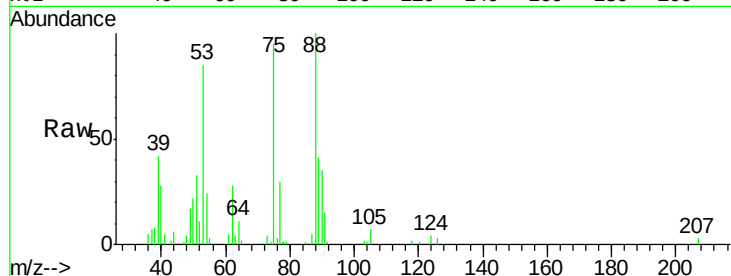
53 93.1 77.6 116.4

89 44.3 37.2 55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.483 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065306.D

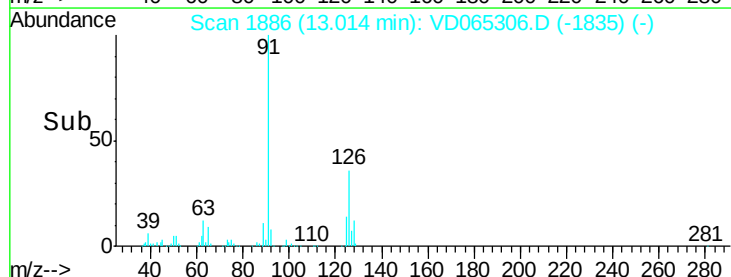
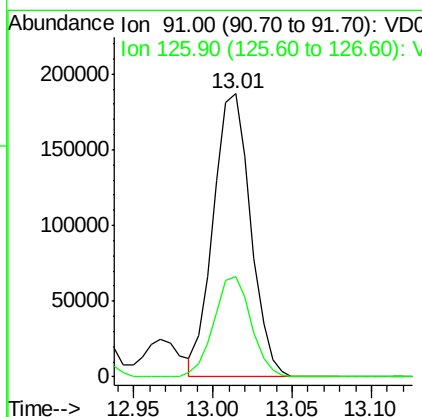
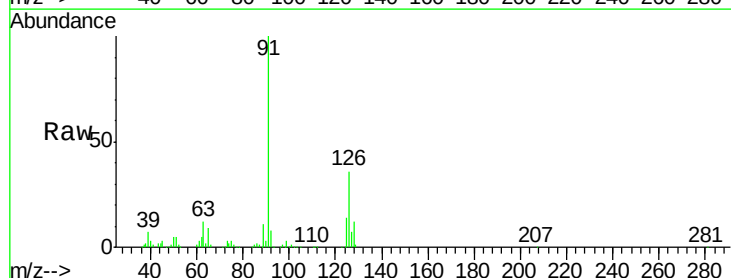
Acq: 25 Feb 2020 12:46

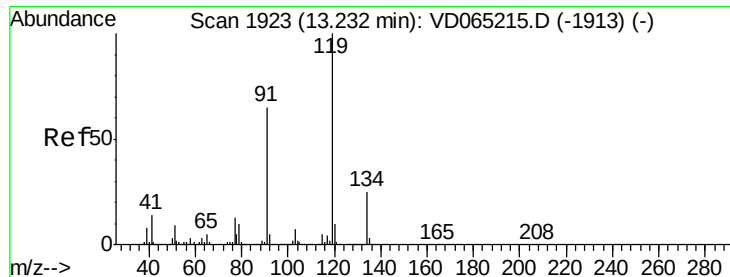
Tgt Ion: 91 Resp: 305840

Ion Ratio Lower Upper

91 100

126 35.5 17.4 52.3





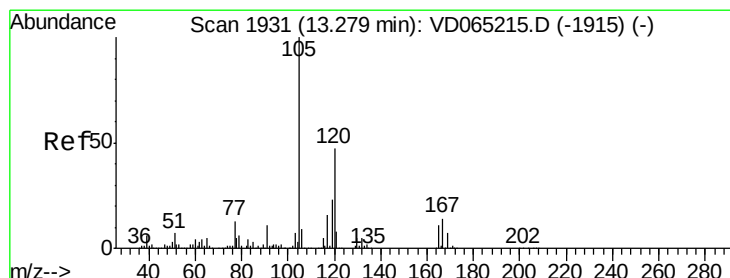
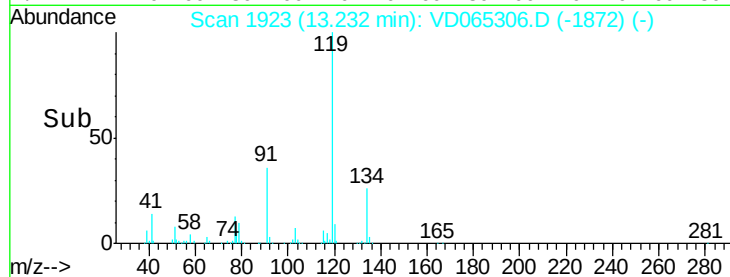
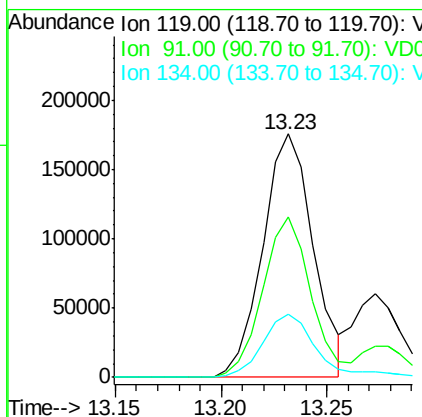
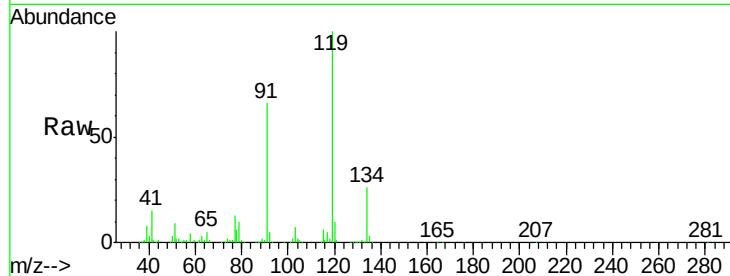
#83
 tert-Butylbenzene
 Concen: 20.242 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	291921		
91	63.7	31.9	95.5	
134	27.7	13.8	41.3	

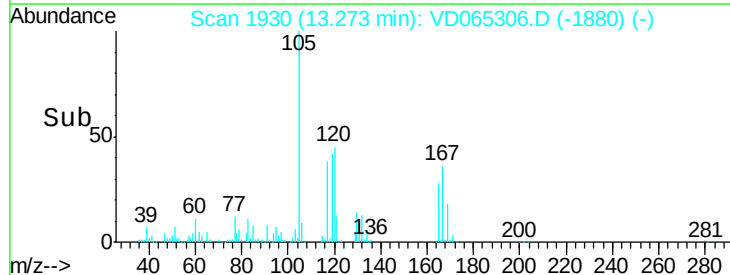
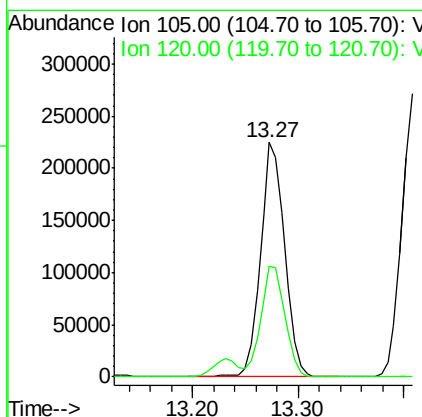
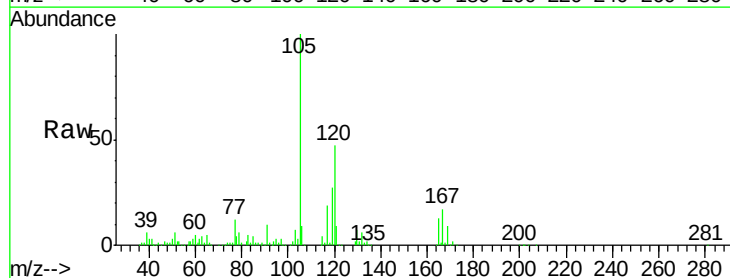
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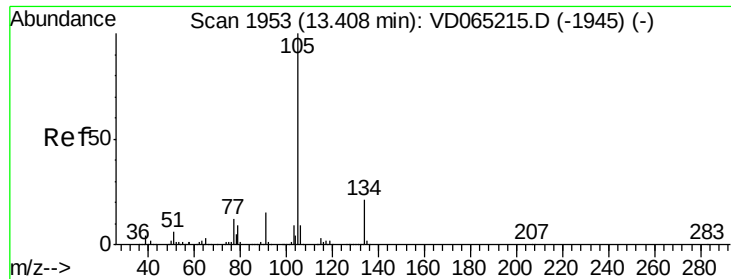
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 2/26/2020 10:25:40 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.746 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	357289		
120	47.0	23.3	69.9	





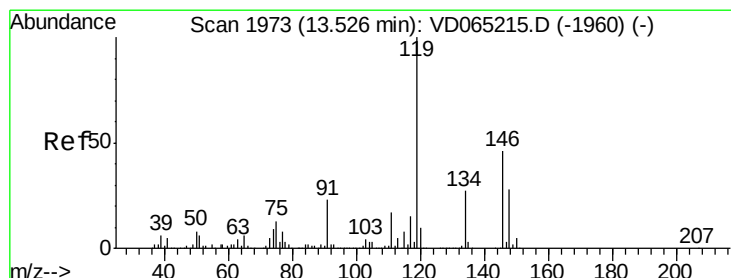
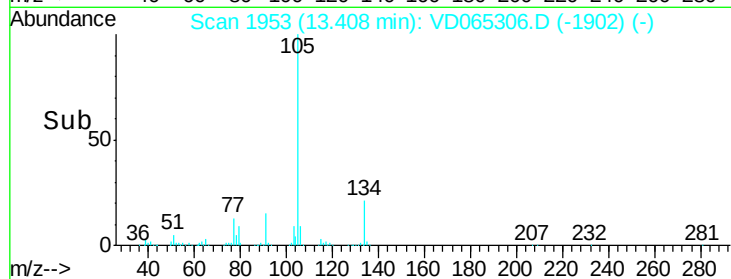
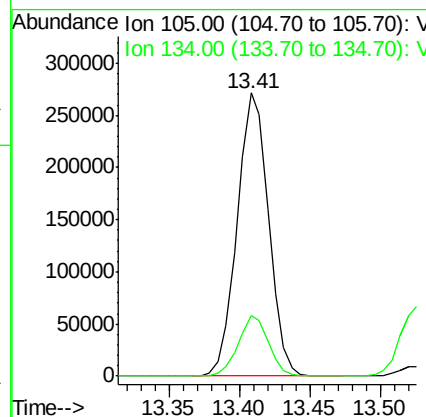
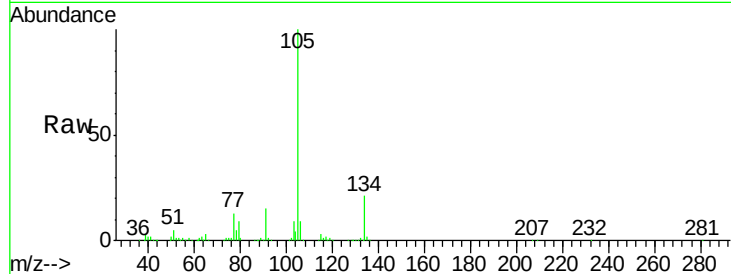
#85
 sec-Butylbenzene
 Concen: 20.297 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

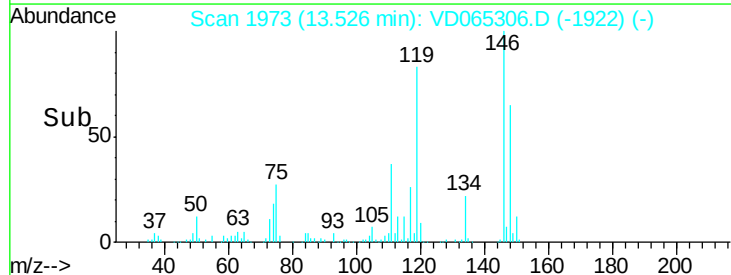
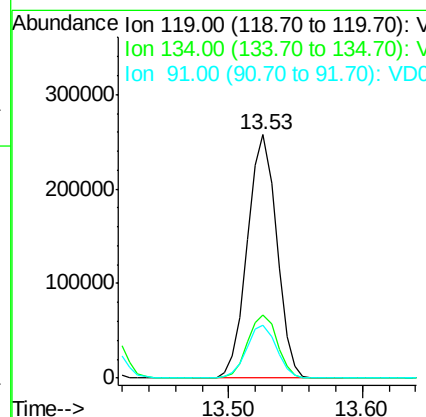
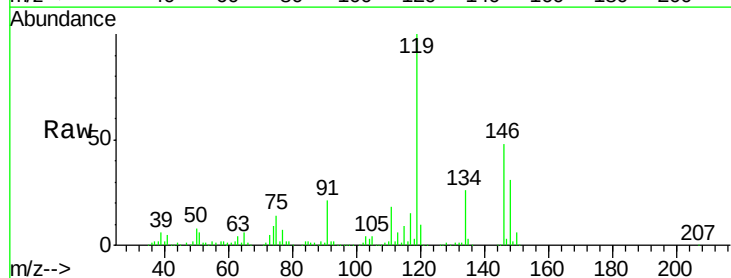
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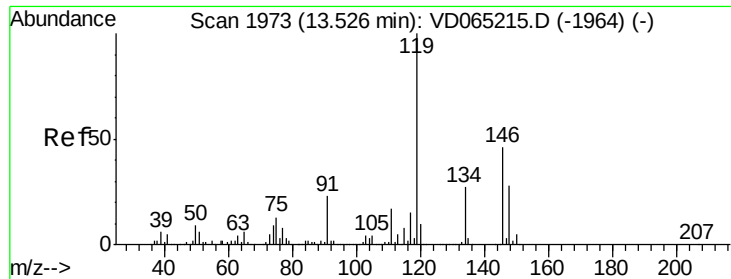
MMDadoda
 2/26/2020 10:25:40 AM



#86
 p-Isopropyltoluene
 Concen: 20.529 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.3	39.8
91	21.9	11.1	33.1





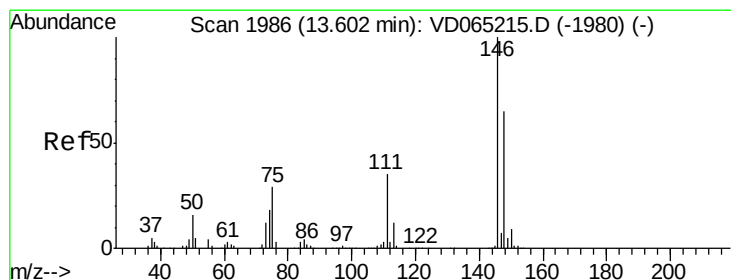
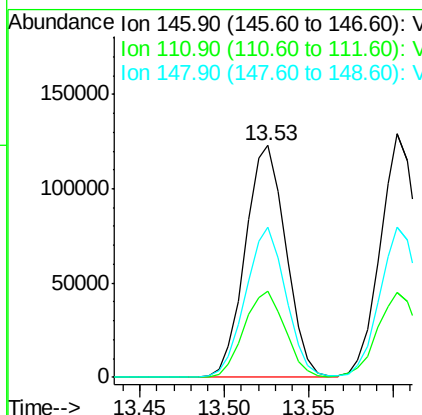
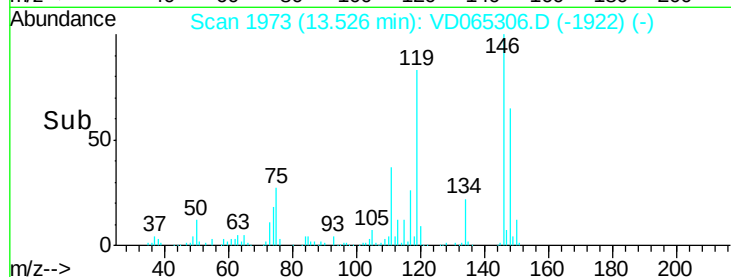
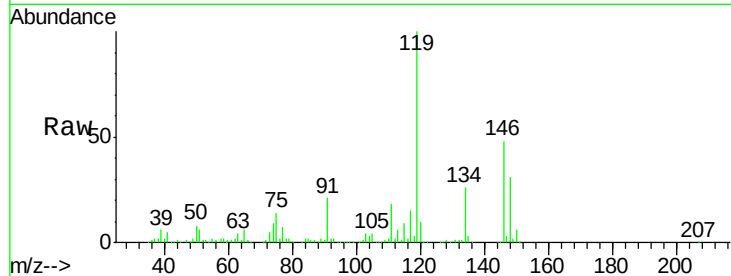
#87
 1,3-Dichlorobenzene
 Concen: 20.556 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	206155		
111	37.5	18.6	55.8	
148	64.2	31.4	94.3	

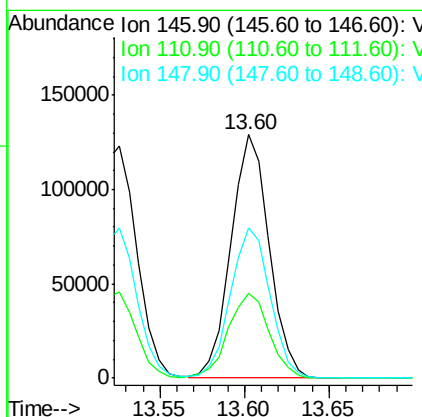
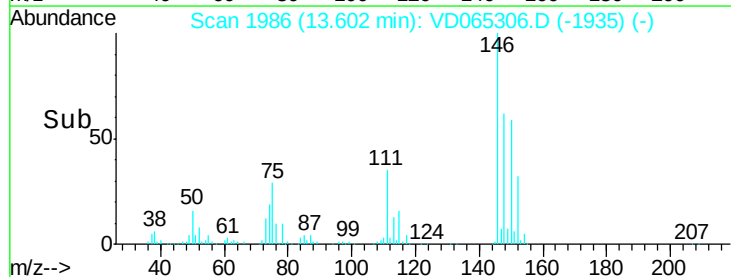
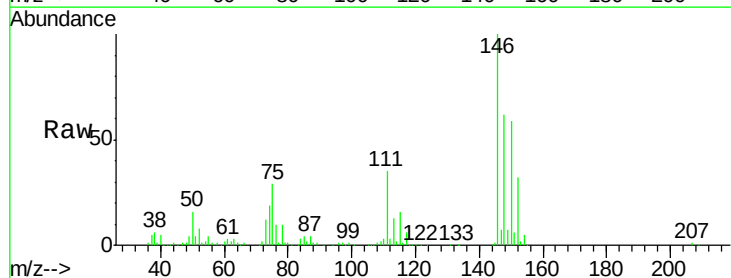
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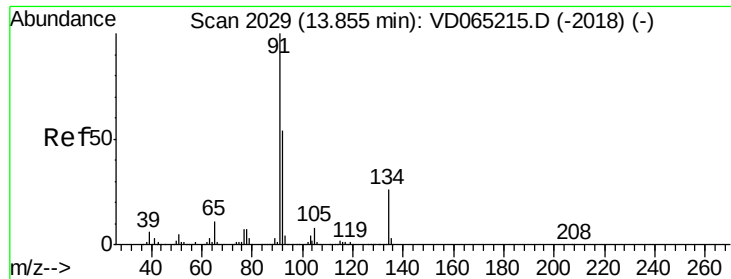
MMDadoda
 2/26/2020 10:25:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.518 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	203091		
111	37.5	18.4	55.2	
148	64.0	32.1	96.5	





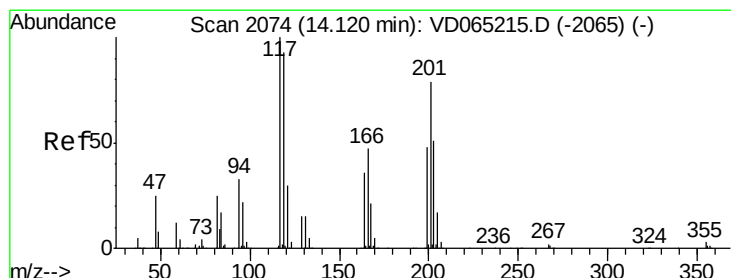
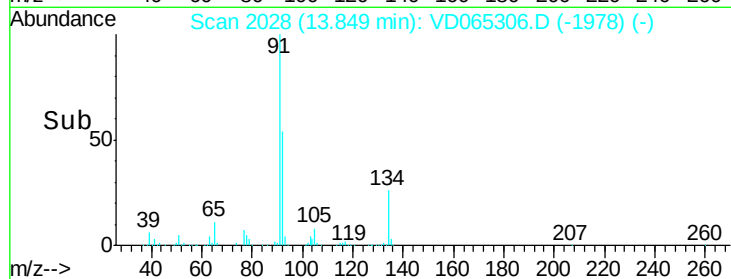
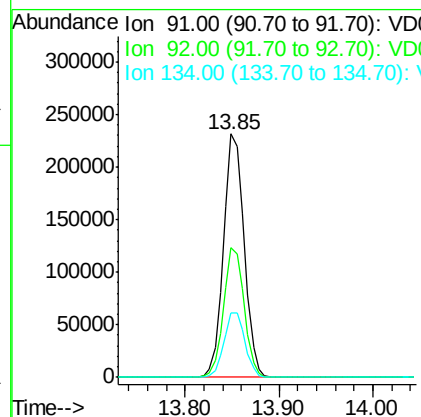
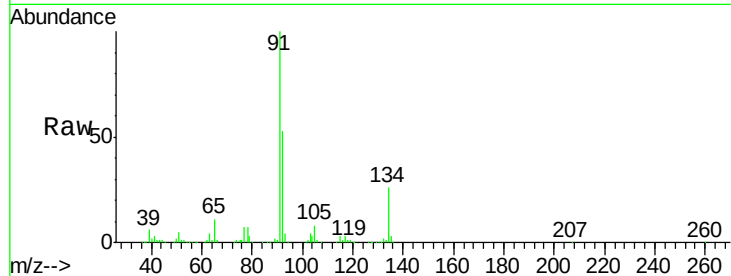
#89
n-Butylbenzene
Concen: 20.355 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0225SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.0	80.8
134	26.9	13.5	40.4

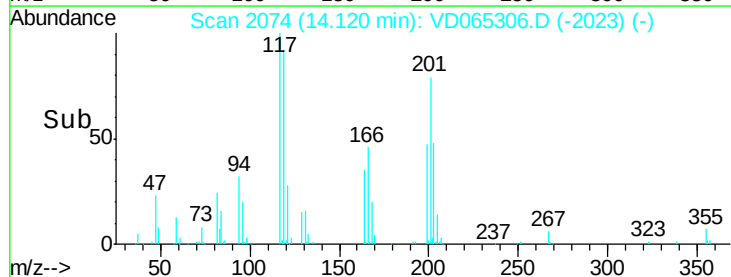
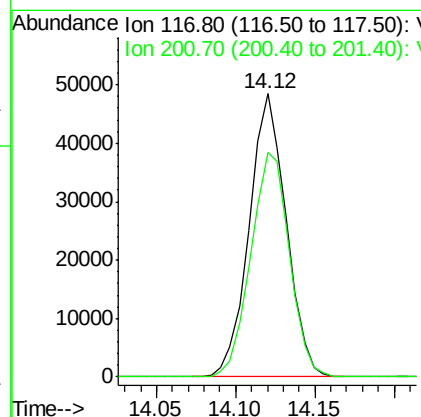
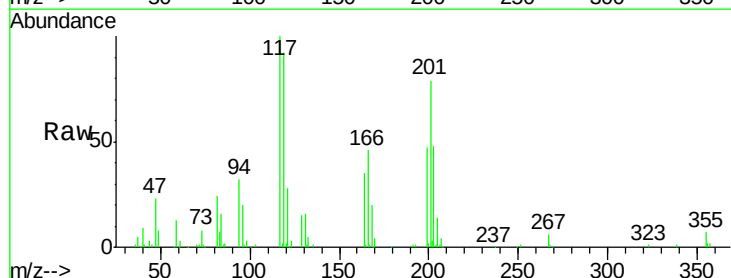
Manual Integrations
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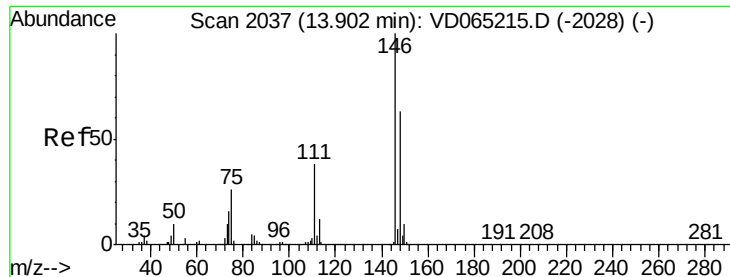
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#90
Hexachloroethane
Concen: 20.347 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.8	41.3	124.1





#91

1,2-Dichlorobenzene

Concen: 20.394 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

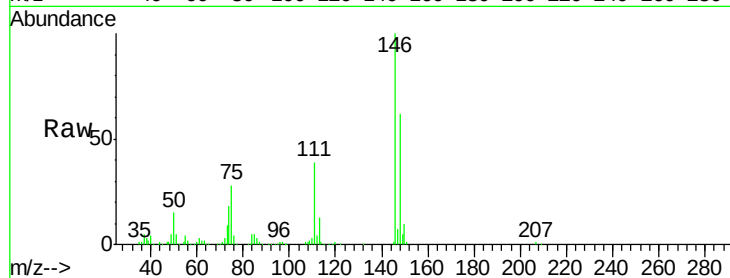
ClientSampleId :

VD0225SBS01

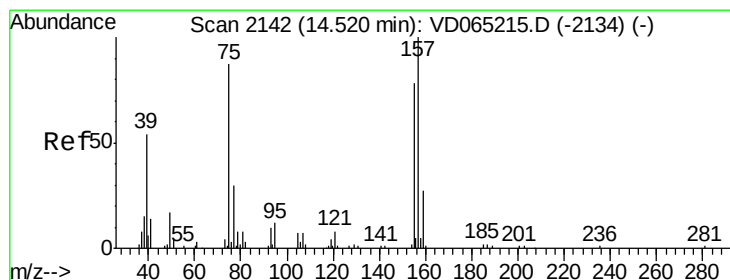
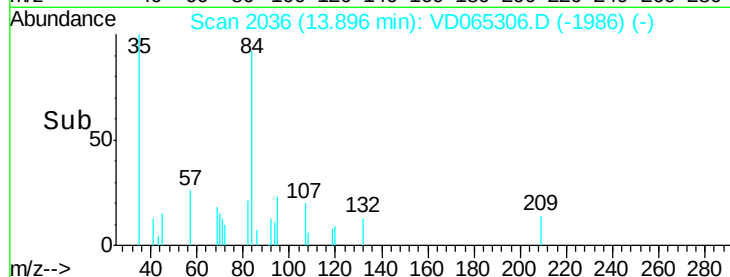
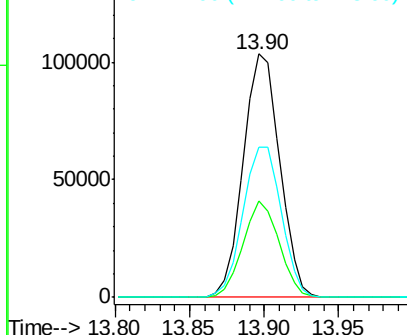
Tot Ion:	146	Resp:	175619
Ion Ratio		Lower	Upper
146	100		
111	39.1	19.7	59.0
148	64.9	32.0	96.2

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.123 ug/l

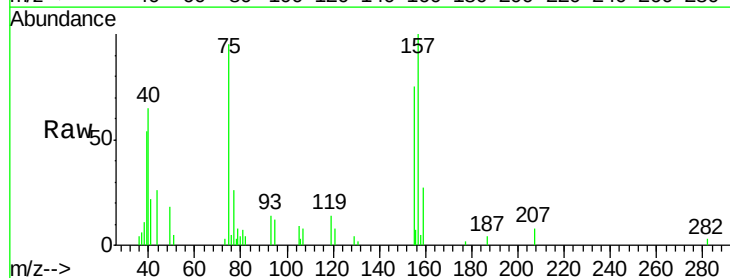
RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

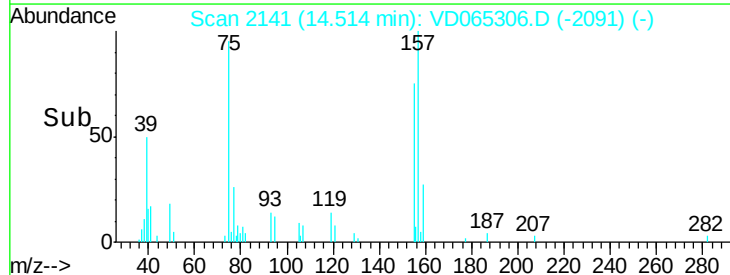
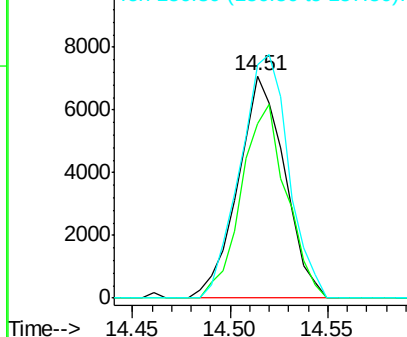
Lab File: VD065306.D

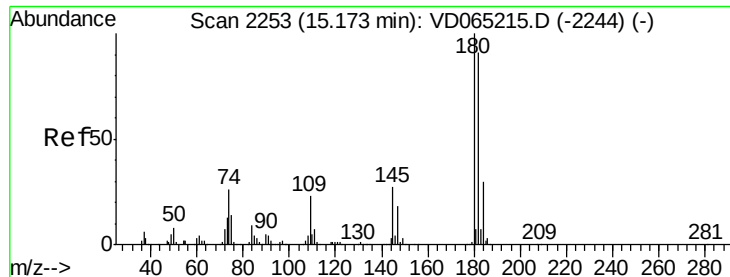
Acq: 25 Feb 2020 12:46

Tgt Ion:	75	Resp:	11692
Ion Ratio		Lower	Upper
75	100		
155	84.5	42.3	126.9
157	114.0	56.7	170.1



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





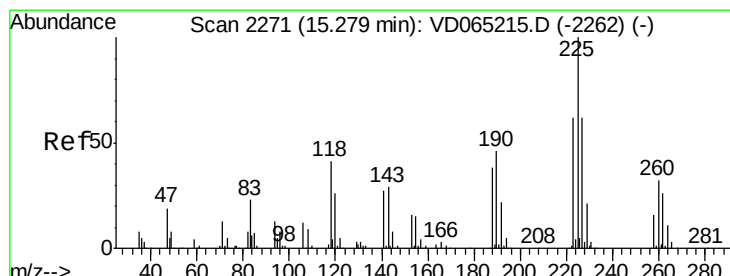
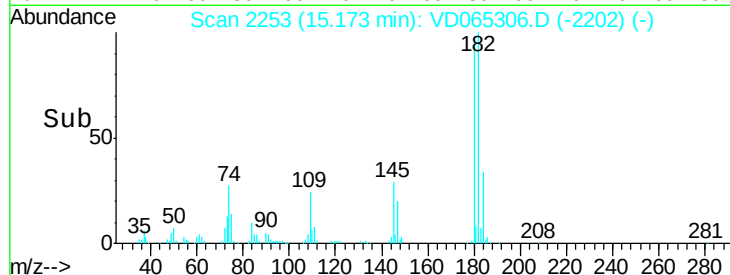
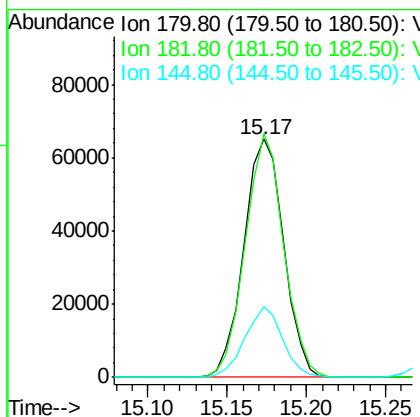
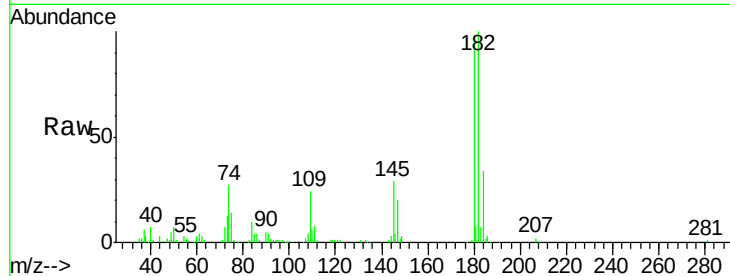
#93
 1,2,4-Trichlorobenzene
 Concen: 20.211 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.8	46.9	140.6	
145	28.2	13.9	41.7	

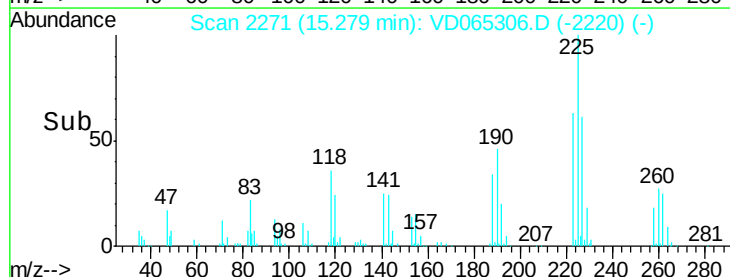
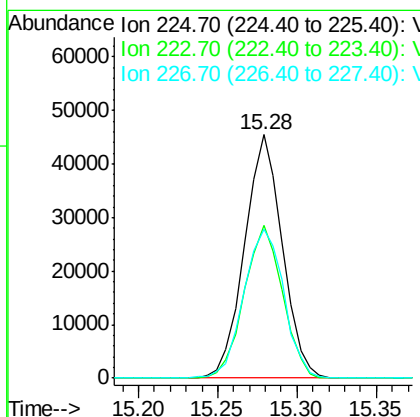
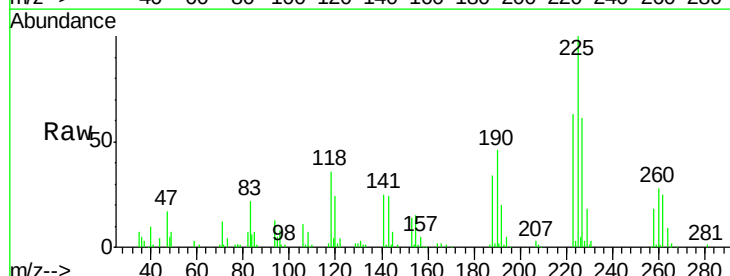
Manual Integrations
 APPROVED

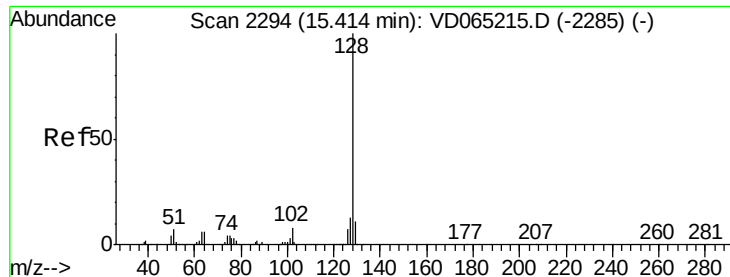
MMDadoda
 2/26/2020 10:25:40 AM



#94
 Hexachlorobutadiene
 Concen: 20.835 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.4	94.2	
227	64.9	31.7	95.1	





#95

Naphthalene

Concen: 19.575 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

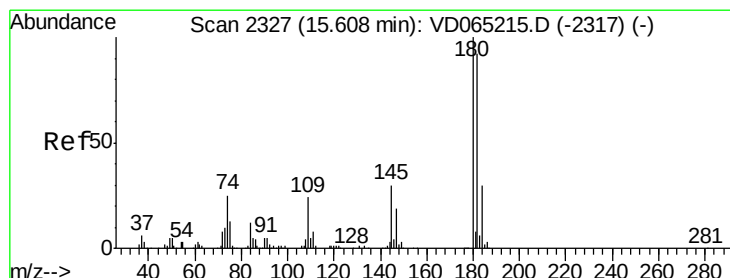
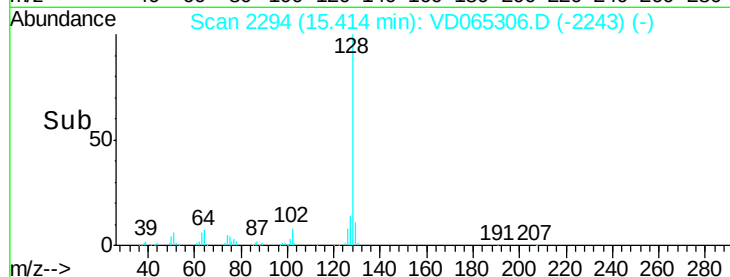
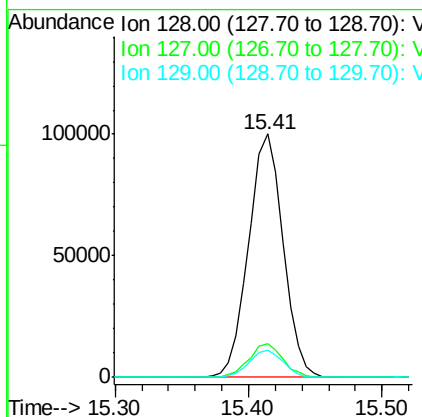
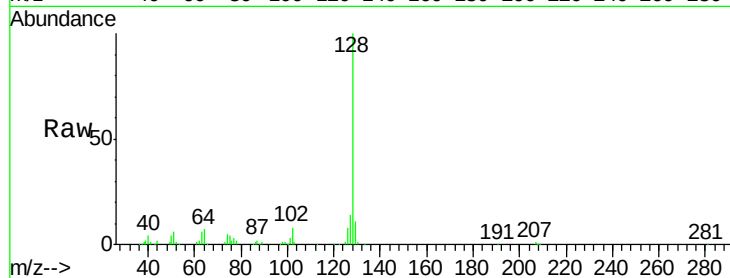
ClientSampleId :

VD0225SBS01

Tot Ion:	128	Resp:	179243
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.3	15.5
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/26/2020 10:25:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.837 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Tgt Ion:	180	Resp:	102504
Ion Ratio	Lower	Upper	
180	100		
182	95.7	46.9	140.6
145	30.5	15.4	46.1

