

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065068.D
 Acq On : 05 Feb 2020 17:14
 Operator : VA/SY
 Sample : VD0205SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:28 AM

Quant Time: Feb 06 05:51:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	533053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	809499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	731931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	352138	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	254487	56.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.34%	
35) Dibromofluoromethane	7.92	113	244940	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	
50) Toluene-d8	10.34	98	959893	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
62) 4-Bromofluorobenzene	12.64	95	306280	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89134	20.094	ug/l	99
3) Chloromethane	2.21	50	120856	23.145	ug/l	96
4) Vinyl Chloride	2.35	62	118339	21.429	ug/l	98
5) Bromomethane	2.76	94	78494	21.921	ug/l	100
6) Chloroethane	2.92	64	75812	22.131	ug/l	99
7) Trichlorofluoromethane	3.27	101	173550	21.595	ug/l	93
8) Diethyl Ether	3.70	74	50041	21.690	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	102887	20.942	ug/l	99
10) Methyl Iodide	4.30	142	96496	17.208	ug/l	97
11) Tert butyl alcohol	5.26	59	33553	121.214	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	98043	20.837	ug/l	97
13) Acrolein	3.92	56	35977	105.670	ug/l	97
14) Allyl chloride	4.71	41	165970	21.223	ug/l	99
15) Acrylonitrile	5.43	53	107350	106.428	ug/l	98
16) Acetone	4.16	43	111709	98.622	ug/l	95
17) Carbon Disulfide	4.40	76	309207	20.467	ug/l	100
18) Methyl Acetate	4.73	43	52331	22.113	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	225933	21.714	ug/l	98
20) Methylene Chloride	4.96	84	118486	21.512	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	112326	21.100	ug/l	96
22) Diisopropyl ether	6.37	45	323711	21.945	ug/l	98
23) Vinyl Acetate	6.31	43	883583	107.468	ug/l	99
24) 1,1-Dichloroethane	6.26	63	190572	21.344	ug/l	99
25) 2-Butanone	7.22	43	138871	102.780	ug/l	96
26) 2,2-Dichloropropane	7.21	77	167973	20.989	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	121654	21.510	ug/l	99
28) Bromochloromethane	7.55	49	69425	20.513	ug/l	100
29) Tetrahydrofuran	7.57	42	87042	106.527	ug/l	99
30) Chloroform	7.71	83	191447	21.535	ug/l	100
31) Cyclohexane	7.98	56	181524	20.141	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	174741	21.101	ug/l	98
36) 1,1-Dichloropropene	8.11	75	151614	20.142	ug/l	100
37) Ethyl Acetate	7.30	43	64065	20.833	ug/l	99
38) Carbon Tetrachloride	8.10	117	155690	20.252	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	185324	19.947	ug/l	97
40) Benzene	8.35	78	435222	20.938	ug/l	96
41) Methacrylonitrile	7.53	41	42104	24.853	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	125486	21.187	ug/l	99
43) Isopropyl Acetate	8.46	43	123803	21.046	ug/l	99
44) Trichloroethene	9.11	130	119910	20.098	ug/l	95
45) 1,2-Dichloropropane	9.39	63	105655	21.200	ug/l	99
46) Dibromomethane	9.48	93	55238	21.093	ug/l	98
47) Bromodichloromethane	9.67	83	149275	21.633	ug/l	99
48) Methyl methacrylate	9.46	41	55747	19.694	ug/l	97
49) 1,4-Dioxane	9.47	88	12725	410.249	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	299756	103.527	ug/l	98
52) Toluene	10.41	92	276900	20.872	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	142721	21.244	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	169657	21.114	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	76044	21.170	ug/l	94
56) Ethyl methacrylate	10.67	69	95198	20.946	ug/l	99
57) 1,3-Dichloropropane	10.95	76	133645	21.159	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	149468	89.590	ug/l	98
59) 2-Hexanone	10.99	43	212009	103.373	ug/l	99
60) Dibromochloromethane	11.15	129	100530	21.607	ug/l	99
61) 1,2-Dibromoethane	11.25	107	75141	21.409	ug/l	99
64) Tetrachloroethene	10.88	164	106500	20.250	ug/l	98
65) Chlorobenzene	11.68	112	291915	20.620	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	107891	20.649	ug/l	99
67) Ethyl Benzene	11.75	91	522439	20.313	ug/l	98
68) m/p-Xylenes	11.86	106	397865	40.530	ug/l	99
69) o-Xylene	12.19	106	178094	20.146	ug/l	97
70) Styrene	12.20	104	315377	20.527	ug/l	100
71) Bromoform	12.37	173	57587	20.477	ug/l #	98
73) Isopropylbenzene	12.48	105	484206	20.034	ug/l	100
74) N-amyl acetate	12.30	43	106555	20.283	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	78608	20.665	ug/l	100
76) 1,2,3-Trichloropropane	12.80	75	57276m	21.483	ug/l	
77) Bromobenzene	12.77	156	116753	20.050	ug/l	97
78) n-propylbenzene	12.83	91	583164	20.603	ug/l	99
79) 2-Chlorotoluene	12.91	91	321916	20.404	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	405928	20.529	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	25989	19.495	ug/l	95
82) 4-Chlorotoluene	13.01	91	341436	20.606	ug/l	99
83) tert-Butylbenzene	13.23	119	340201	19.943	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	396862	20.217	ug/l	99
85) sec-Butylbenzene	13.41	105	469177	20.137	ug/l	100
86) p-Isopropyltoluene	13.53	119	436205	20.150	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	222720	20.428	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	224113	20.653	ug/l	98
89) n-Butylbenzene	13.86	91	400578	20.048	ug/l	99
90) Hexachloroethane	14.13	117	84370	20.582	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	196445	21.036	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12998	20.932	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	137798	20.645	ug/l	99
94) Hexachlorobutadiene	15.28	225	82204	20.030	ug/l	99
95) Naphthalene	15.41	128	220003	19.831	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	116816	20.461	ug/l	98

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

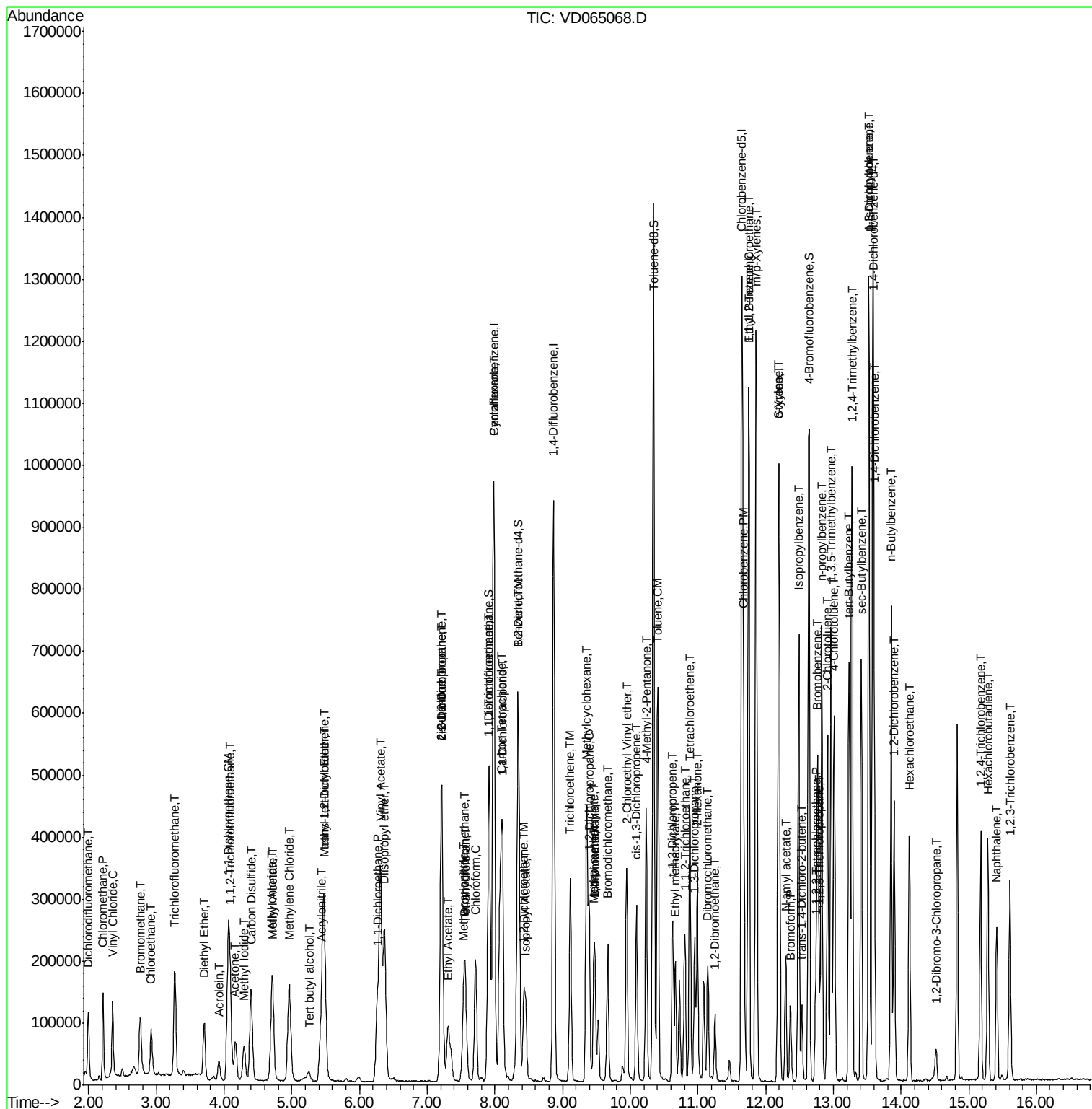
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020520\
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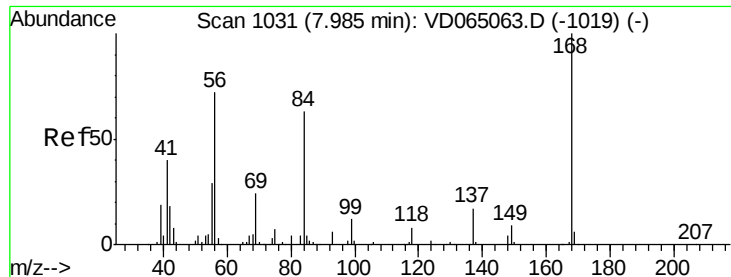
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion:168 Resp: 533053

Ion Ratio Lower Upper

168 100

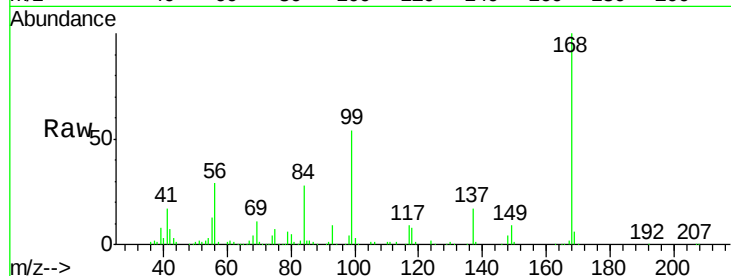
99 53.4 41.0 61.6

Manual Integrations

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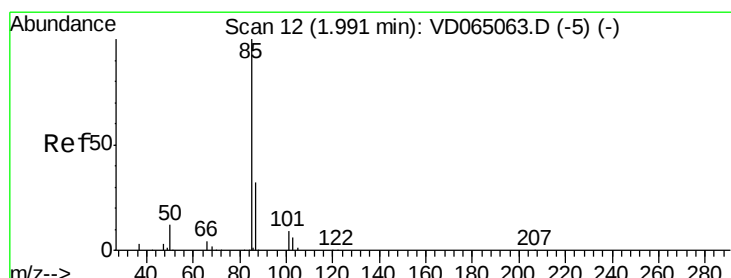
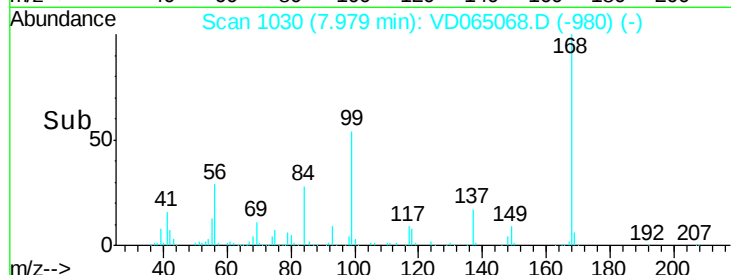
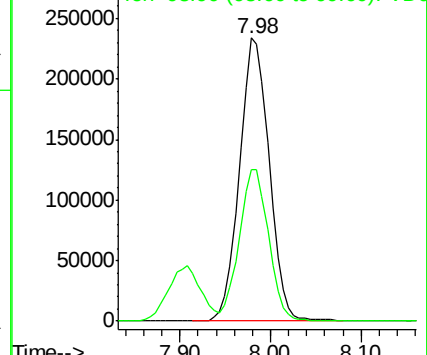
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.094 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065068.D

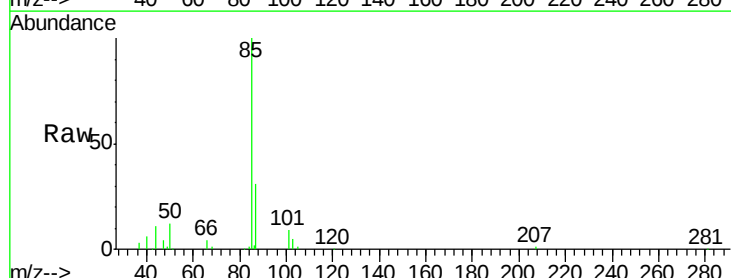
Acq: 05 Feb 2020 17:14

Tgt Ion: 85 Resp: 89134

Ion Ratio Lower Upper

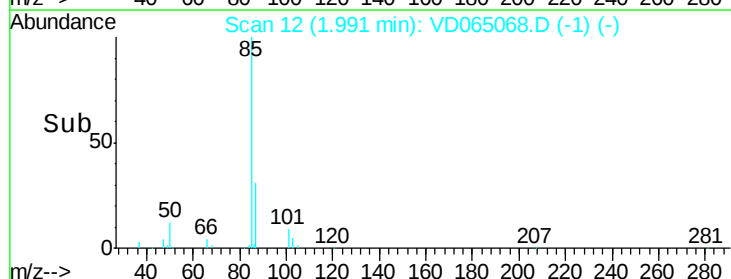
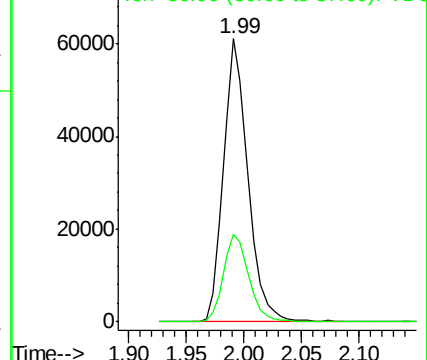
85 100

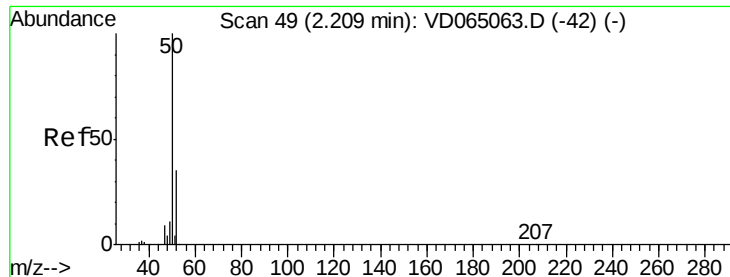
87 30.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.145 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 50 Resp: 120856

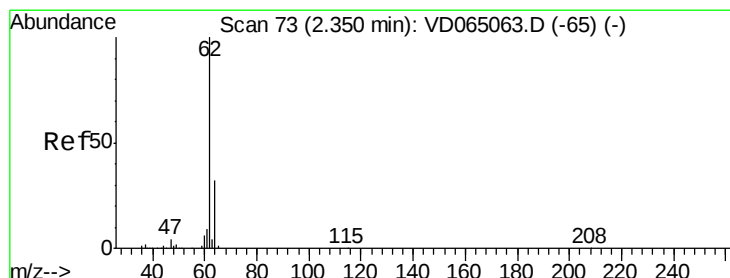
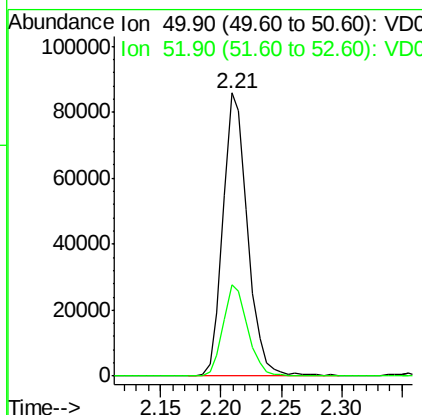
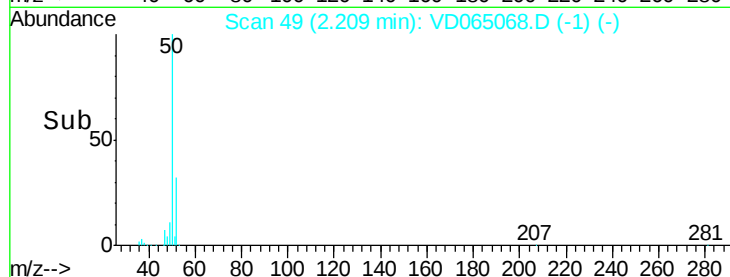
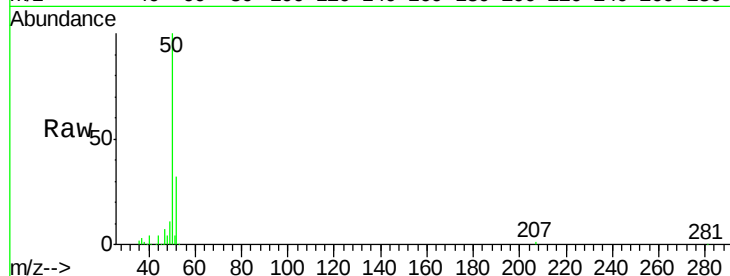
Ion Ratio Lower Upper

50 100

52 32.4 27.8 41.6

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2/6/2020 10:37:28 AM



#4

Vinyl Chloride

Concen: 21.429 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065068.D

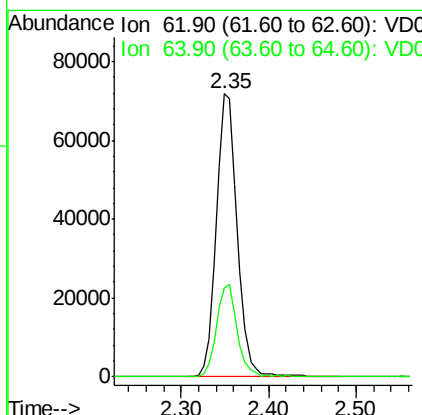
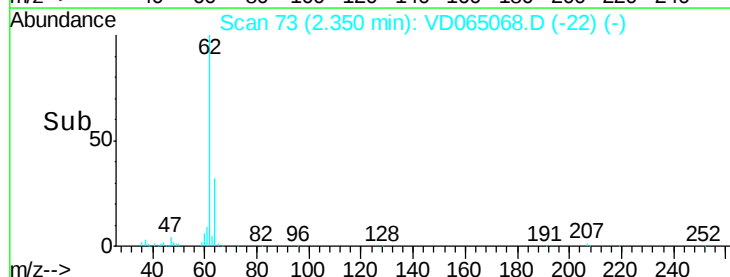
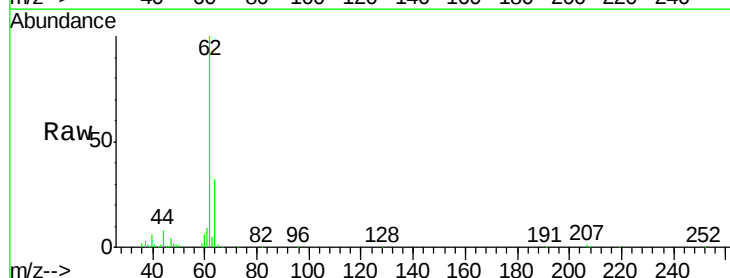
Acq: 05 Feb 2020 17:14

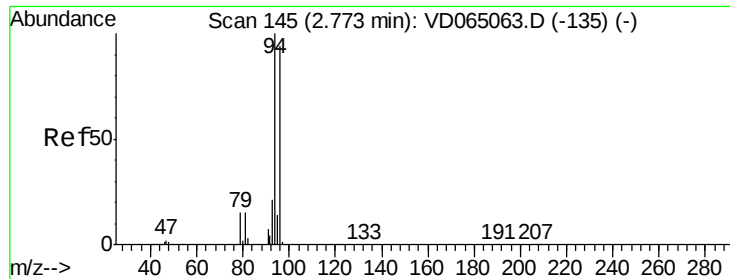
Tgt Ion: 62 Resp: 118339

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 21.921 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 94 Resp: 78494

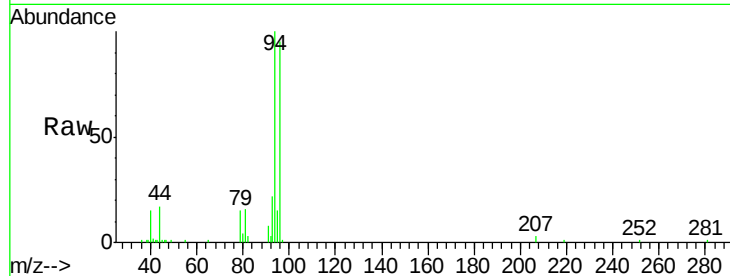
Ion Ratio Lower Upper

94 100

96 93.9 75.4 113.0

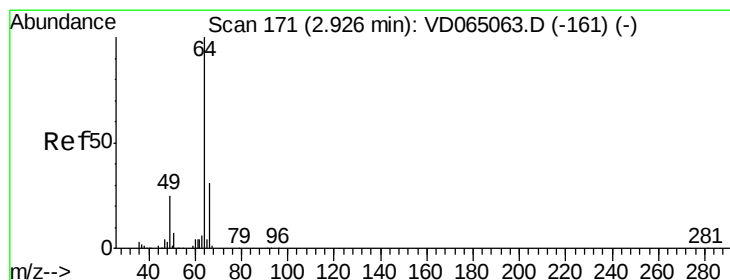
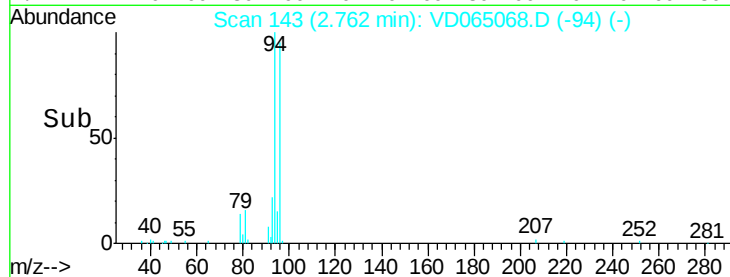
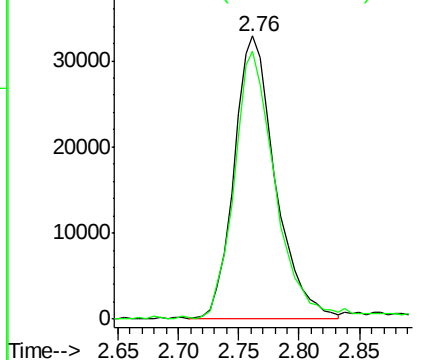
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.131 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065068.D

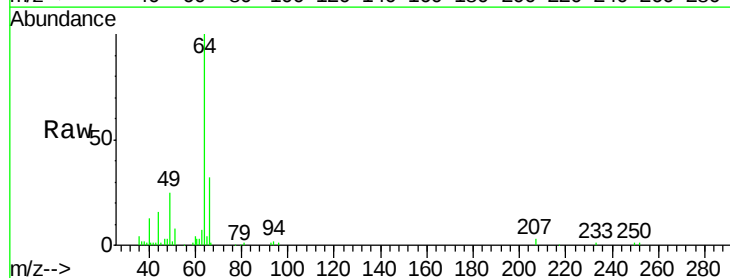
Acq: 05 Feb 2020 17:14

Tgt Ion: 64 Resp: 75812

Ion Ratio Lower Upper

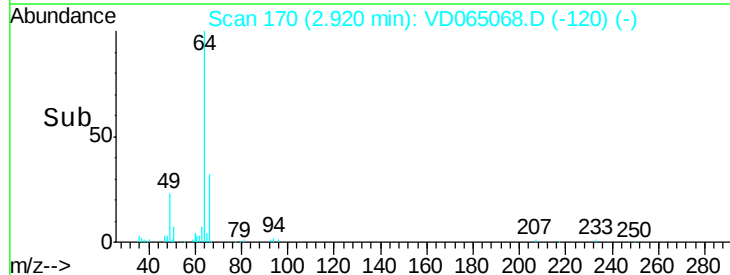
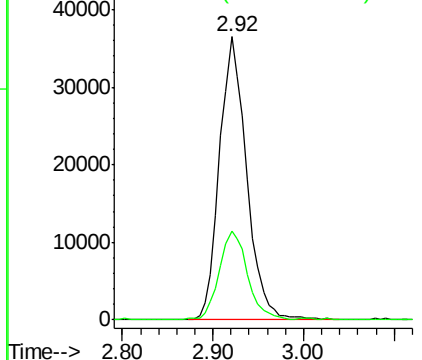
64 100

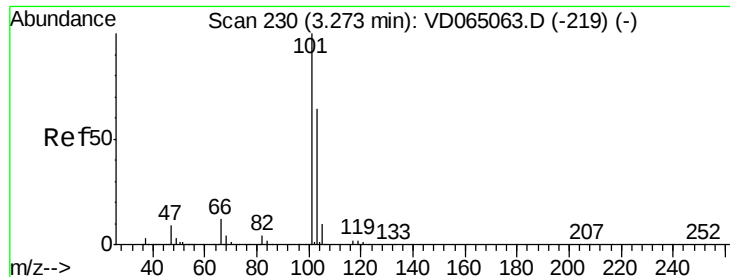
66 31.5 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

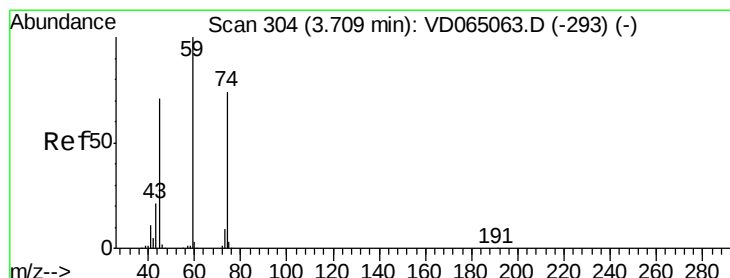
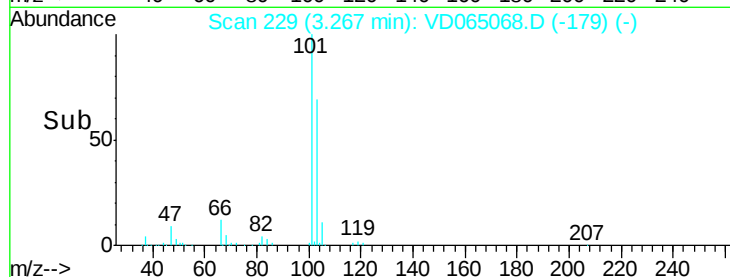
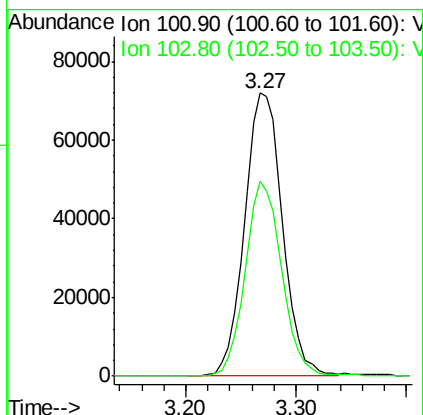
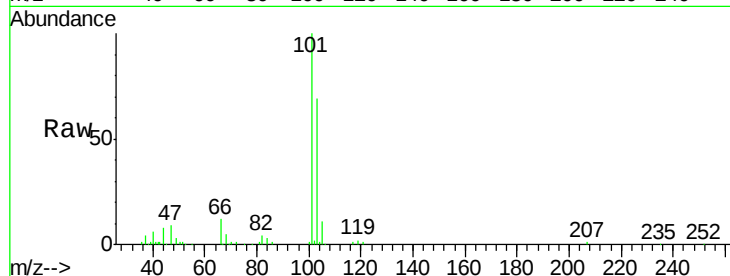
Trichlorofluoromethane
Concen: 21.595 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065068.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.0	51.0	76.6

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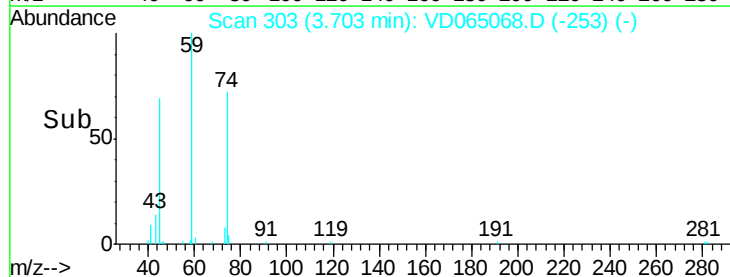
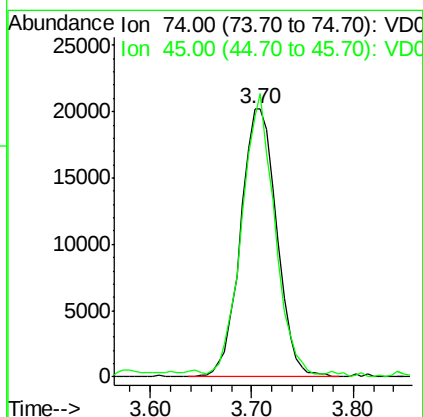
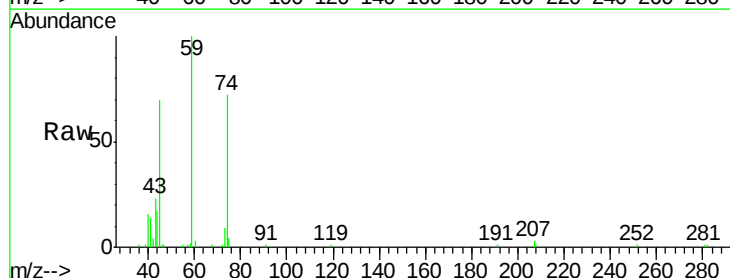
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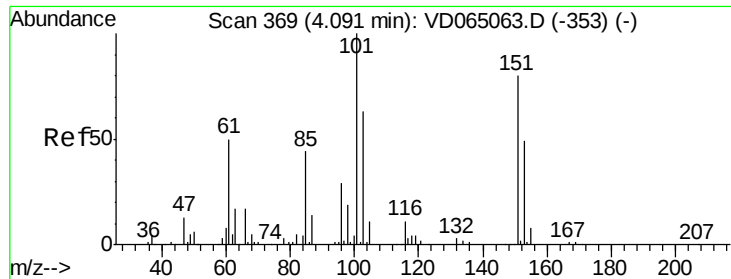


#8

Diethyl Ether
Concen: 21.690 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.942 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

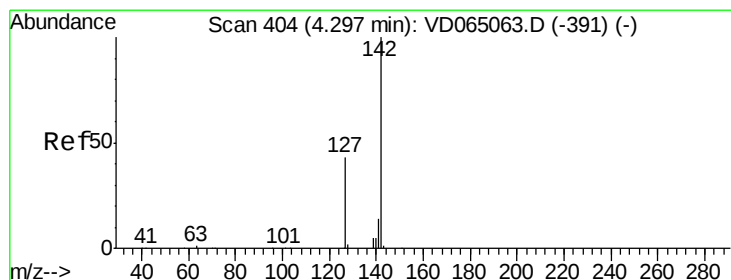
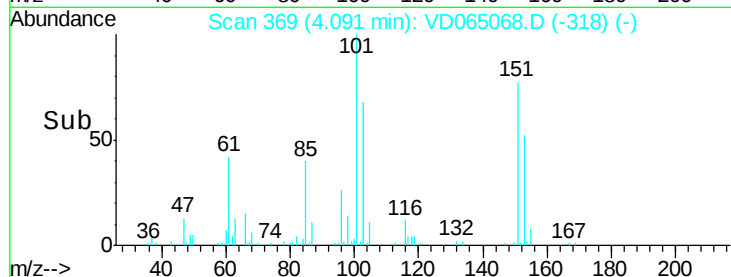
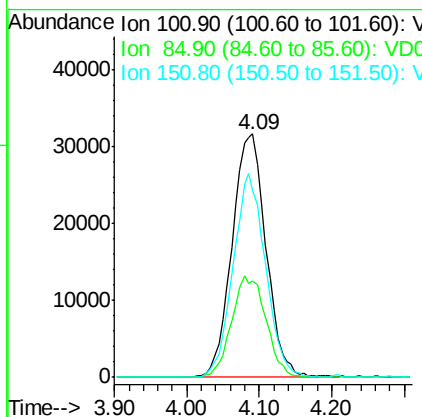
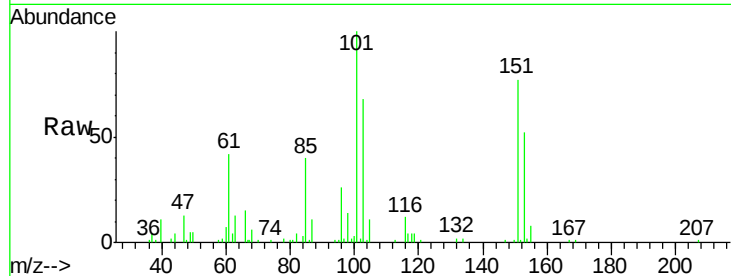
ClientSampleId :

VD0205SBS01

Tot Ion:	101	Resp:	102887
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.0	51.0
151	79.7	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 17.208 ug/l

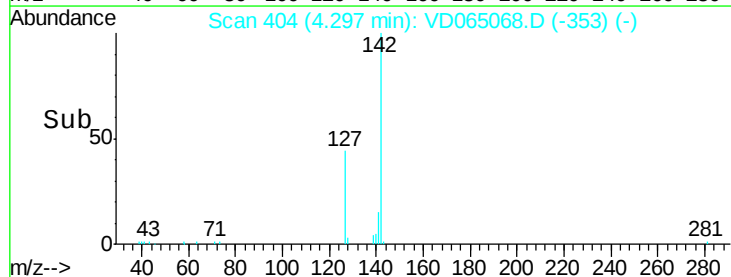
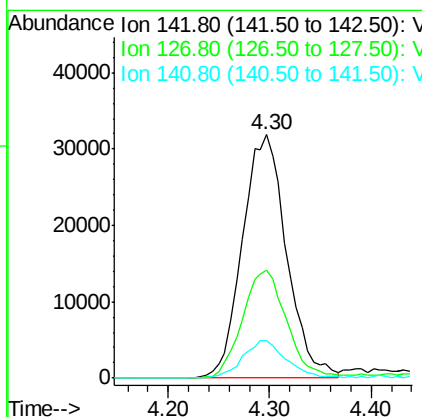
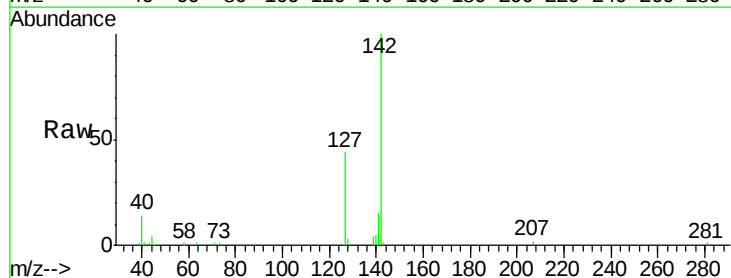
RT: 4.30 min Scan# 404

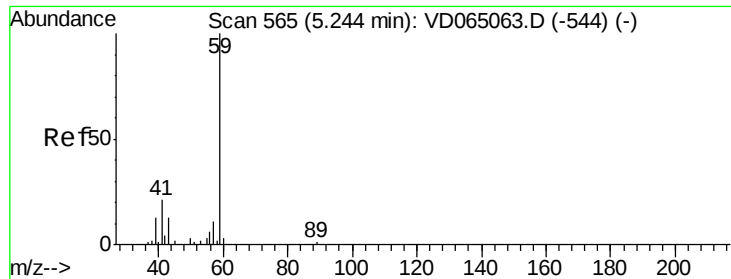
Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Tgt Ion:	142	Resp:	96496
Ion Ratio	Lower	Upper	
142	100		
127	44.4	34.0	51.0
141	15.2	11.6	17.4





#11

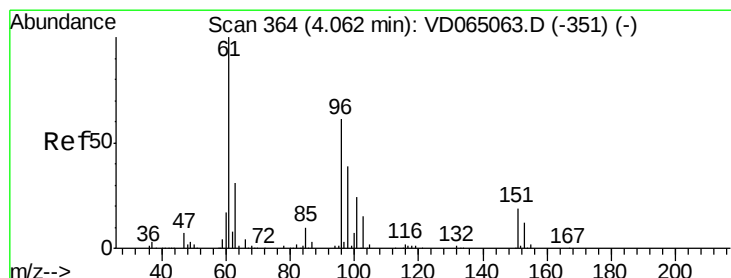
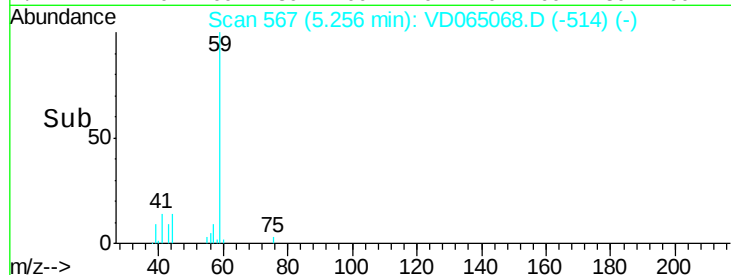
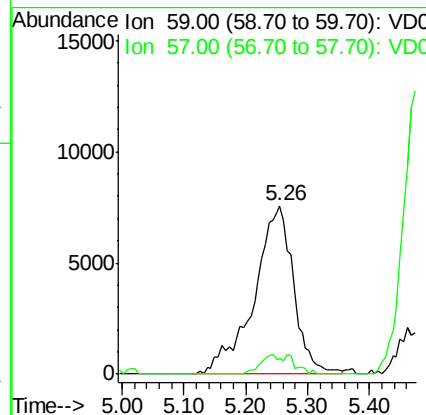
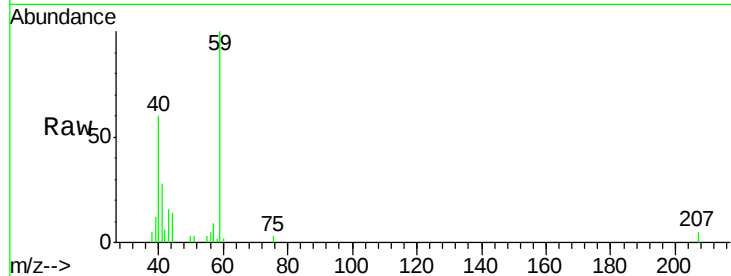
Tert butyl alcohol
Concen: 121.214 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion: 59 Resp: 33553
Ion Ratio Lower Upper
59 100
57 6.2 8.8 13.2#

Manual Integrations
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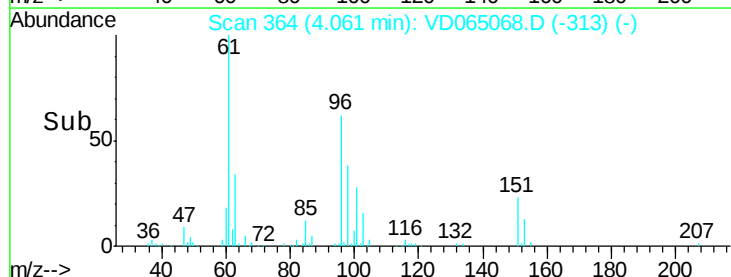
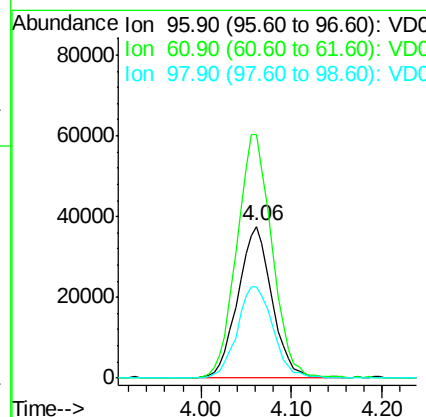
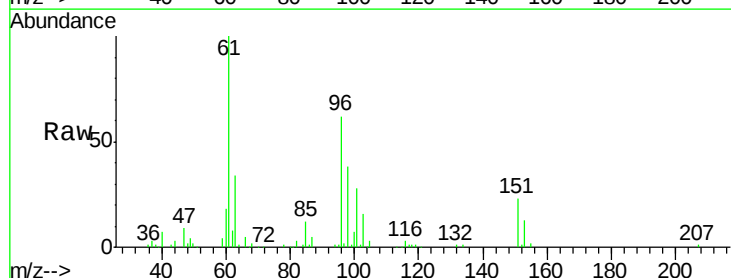
MMDadoda
2/6/2020 10:37:28 AM

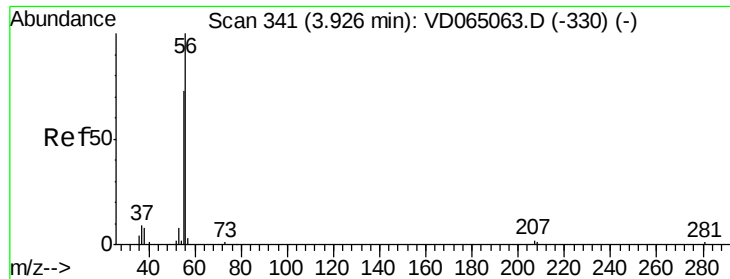


#12

1,1-Dichloroethene
Concen: 20.837 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion: 96 Resp: 98043
Ion Ratio Lower Upper
96 100
61 160.8 131.4 197.2
98 60.5 51.1 76.7





#13

Acrolein

Concen: 105.670 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 56 Resp: 35977

Ion Ratio Lower Upper

56 100

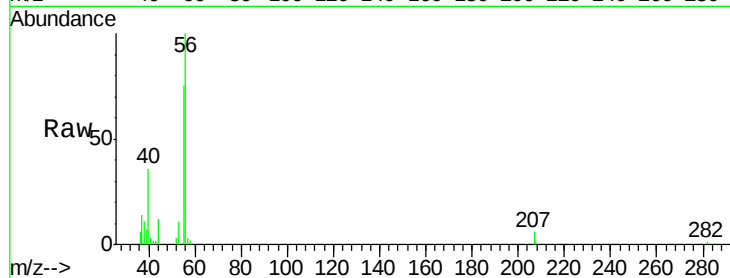
55 70.1 58.2 87.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

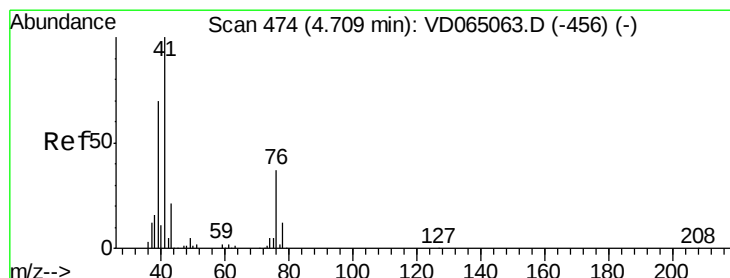
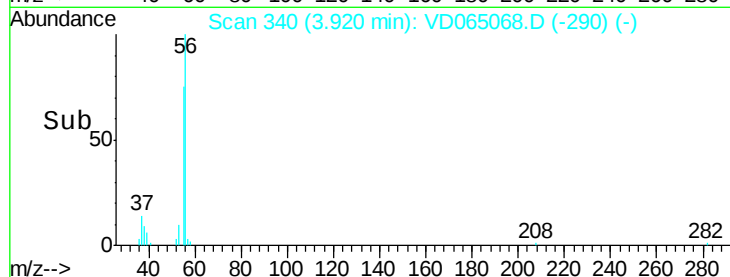
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 21.223 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

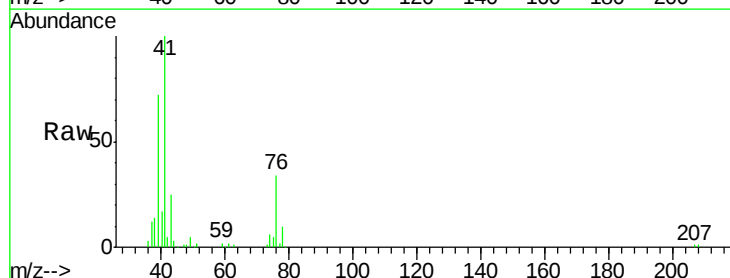
Tgt Ion: 41 Resp: 165970

Ion Ratio Lower Upper

41 100

39 71.8 57.1 85.7

76 35.5 28.0 42.0



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

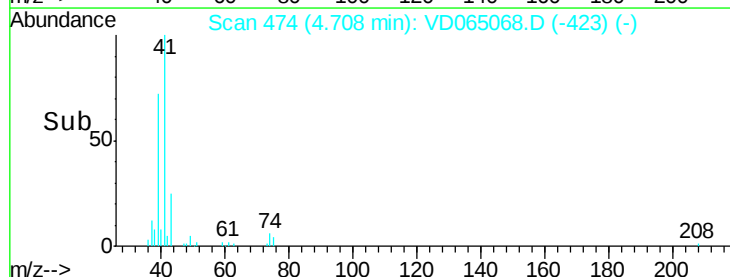
60000

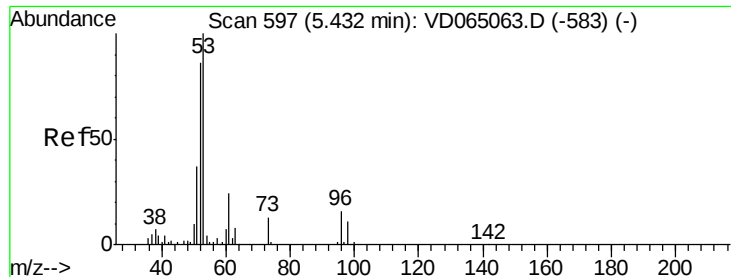
40000

20000

0

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 106.428 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

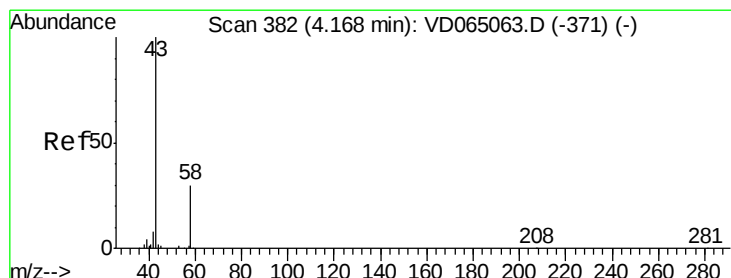
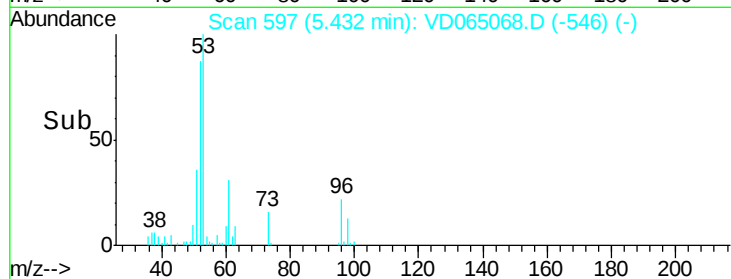
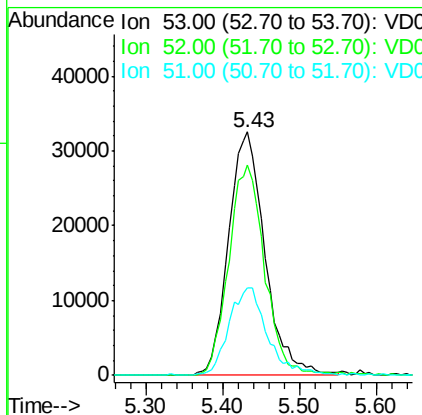
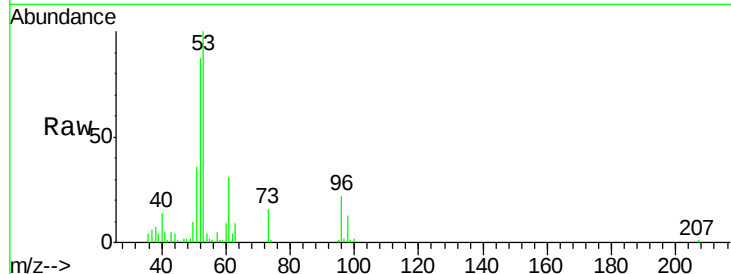
ClientSampleId :

VD0205SBS01

Tot Ion:	53	Resp:	107350
Ion Ratio		Lower	Upper
53	100		
52	85.3	66.2	99.2
51	38.1	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 98.622 ug/l

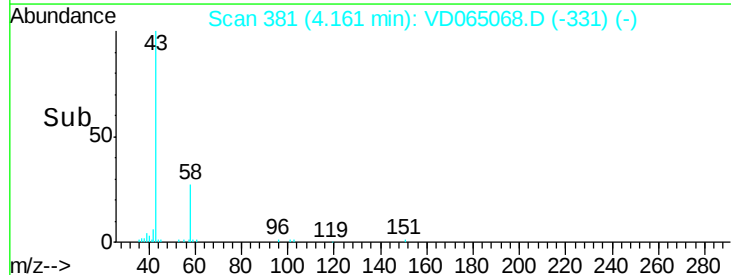
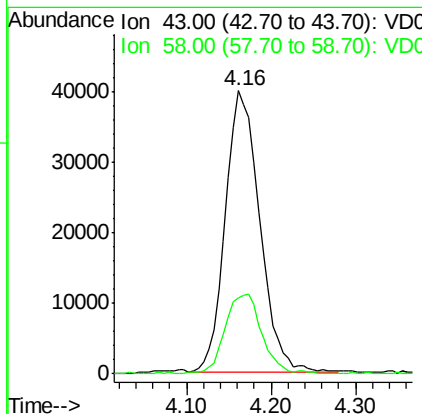
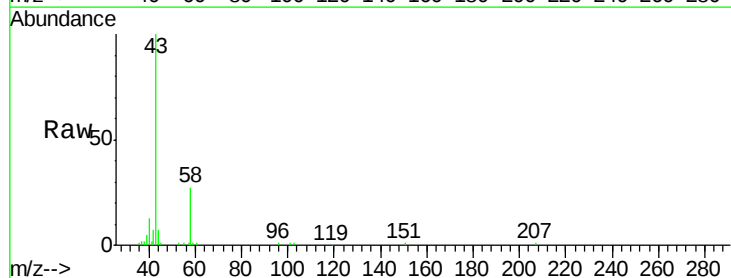
RT: 4.16 min Scan# 381

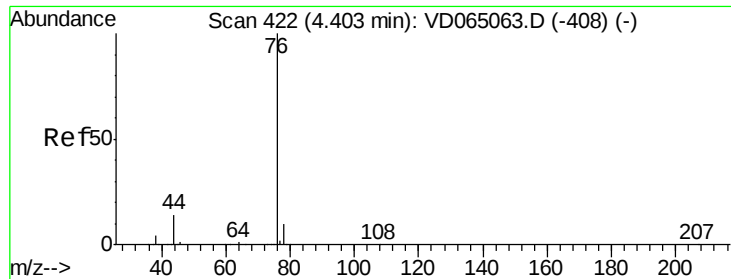
Delta R.T. -0.01 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Tgt Ion:	43	Resp:	111709
Ion Ratio		Lower	Upper
43	100		
58	26.8	23.5	35.3





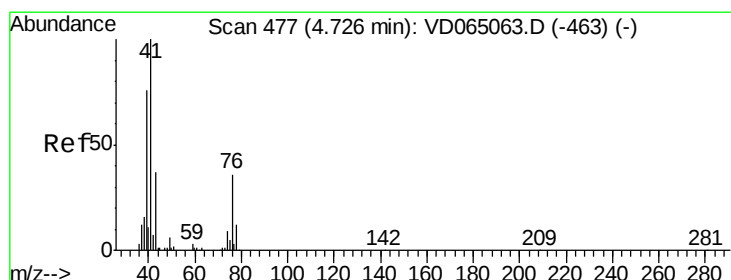
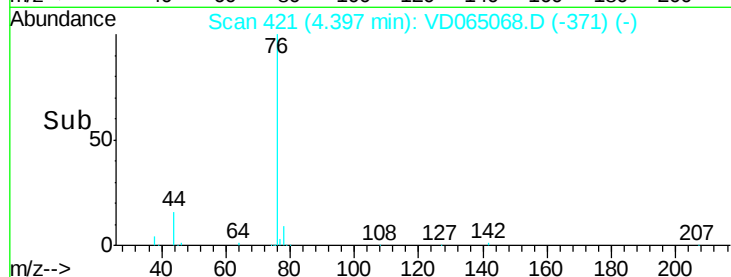
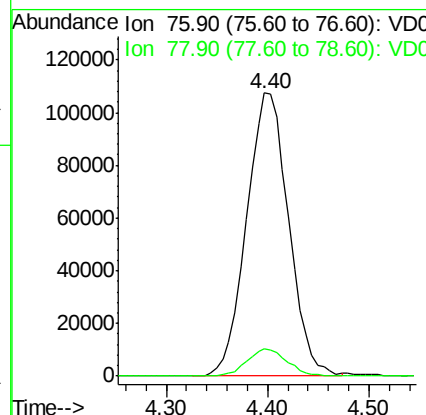
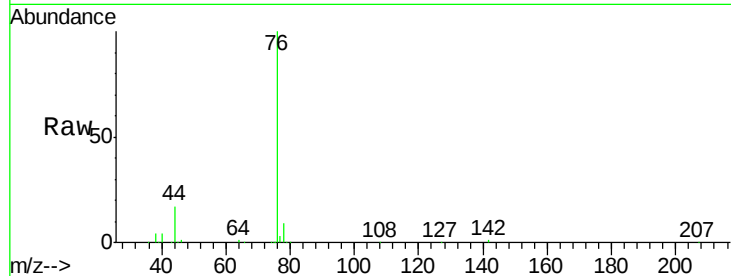
#17
Carbon Disulfide
Concen: 20.467 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

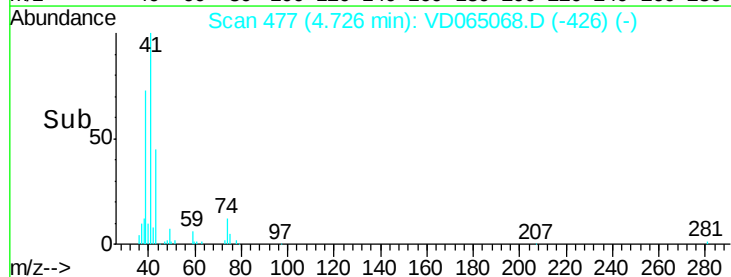
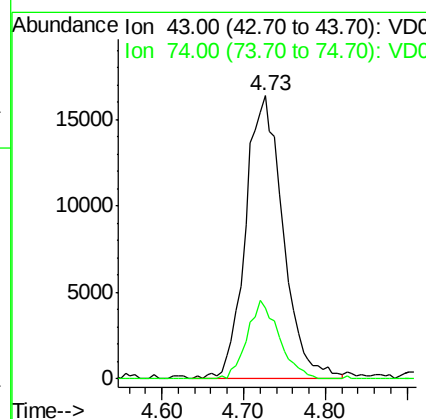
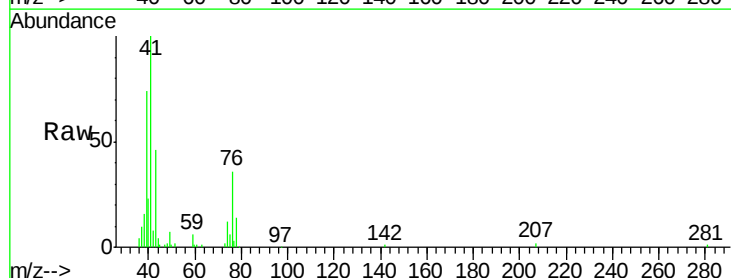
Manual Integrations
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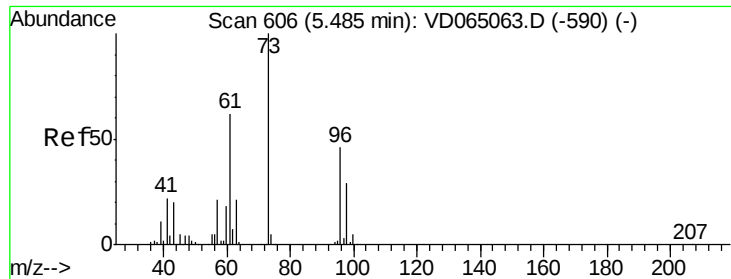
MMDadoda
2/6/2020 10:37:28 AM



#18
Methyl Acetate
Concen: 22.113 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.7	28.1





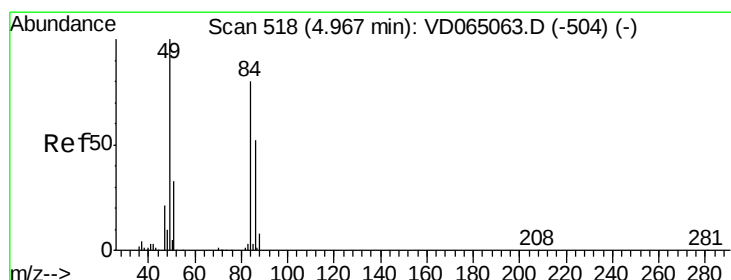
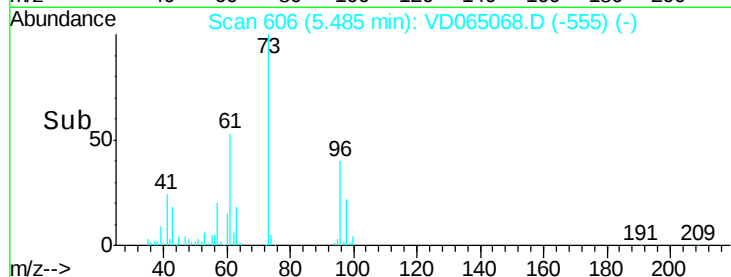
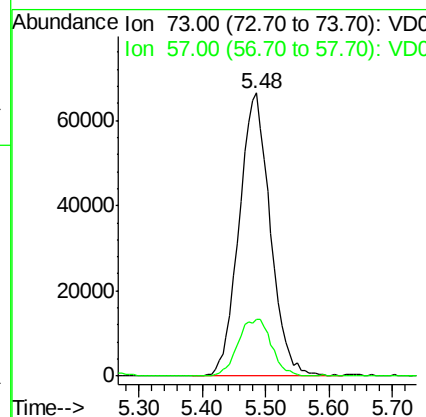
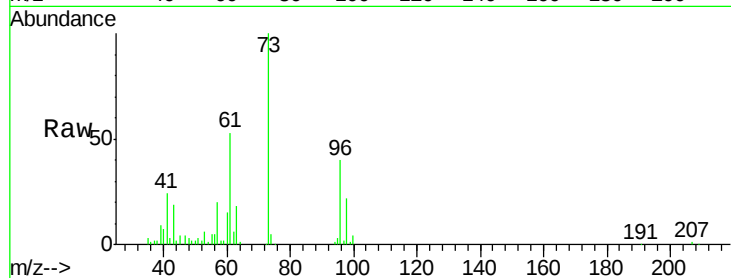
#19
Methvl tert-butvl Ether
Concen: 21.714 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion: 73 Resp: 225933
Ion Ratio Lower Upper
73 100
57 20.1 16.8 25.2

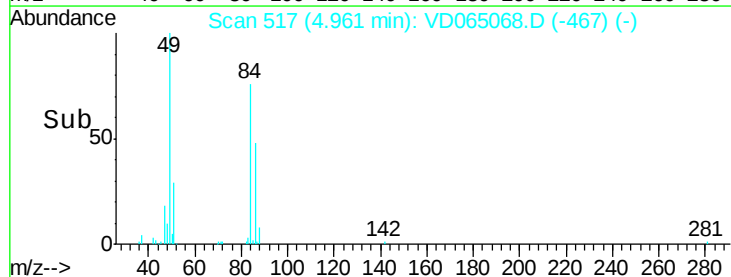
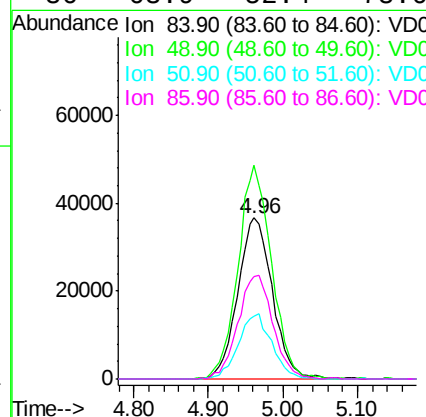
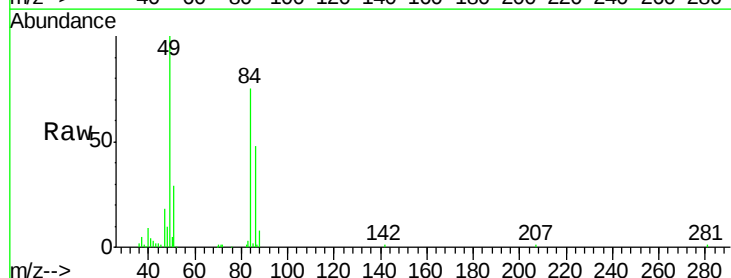
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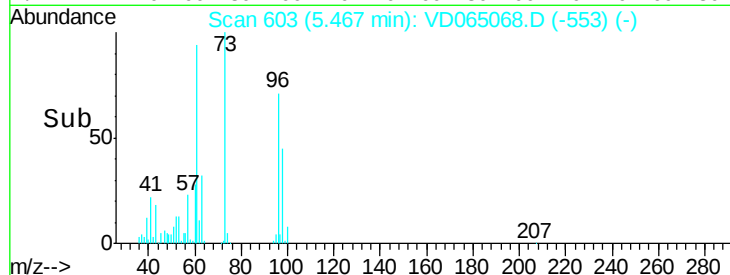
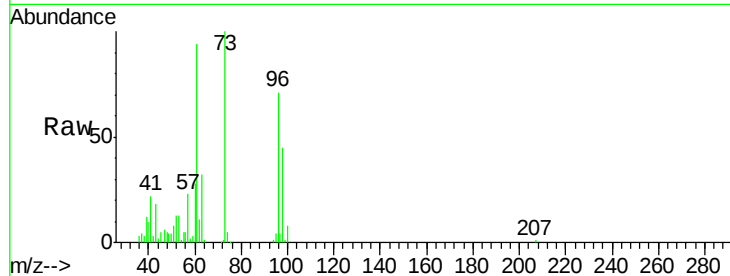
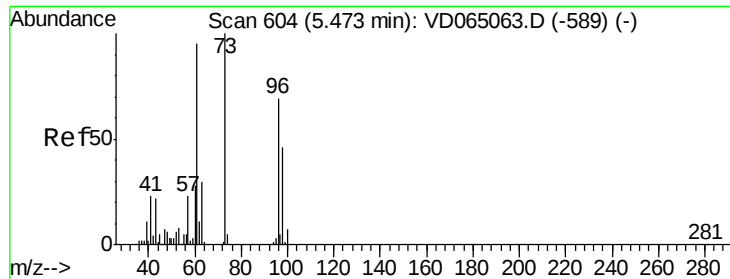
MMDadoda
2/6/2020 10:37:28 AM



#20
Methylene Chloride
Concen: 21.512 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion: 84 Resp: 118486
Ion Ratio Lower Upper
84 100
49 132.9 100.4 150.6
51 39.0 32.7 49.1
86 63.9 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 21.100 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Tot Ion:	96	Resp:	112326
Ion	Ratio	Lower	Upper
96	100		
61	132.2	109.5	164.3
98	63.0	53.7	80.5

Instrument :

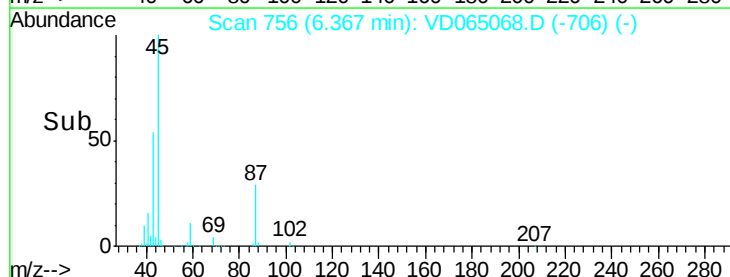
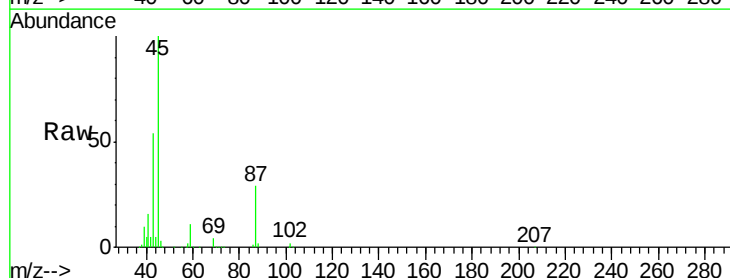
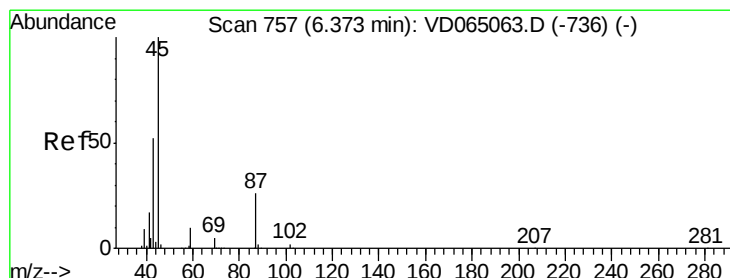
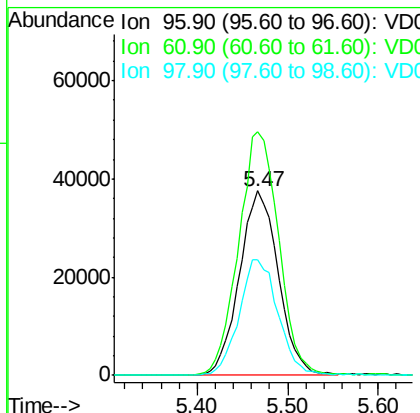
MSVOA_D

ClientSampleId :

VD0205SBS01

Manual Integrations
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MMDadoda
2/6/2020 10:37:28 AM



#22

Diisopropyl ether

Concen: 21.945 ug/l

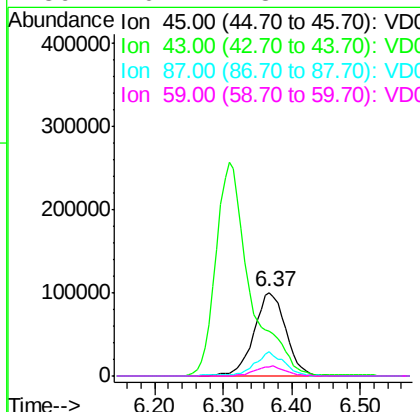
RT: 6.37 min Scan# 756

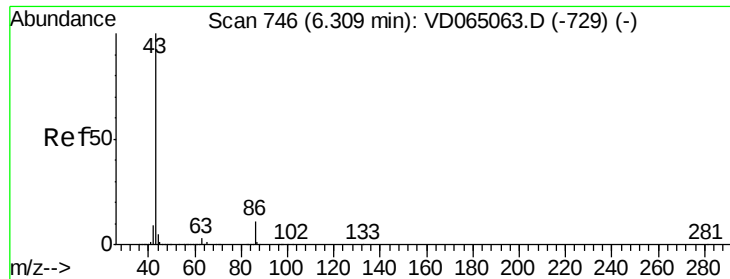
Delta R.T. -0.01 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Tgt Ion:	45	Resp:	323711
Ion	Ratio	Lower	Upper
45	100		
43	52.5	41.3	61.9
87	28.8	21.0	31.6
59	10.4	8.2	12.4





#23

Vinyl Acetate

Concen: 107.468 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 43 Resp: 883583

Ion Ratio Lower Upper

43 100

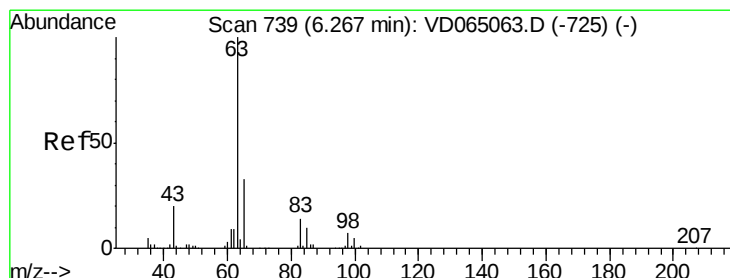
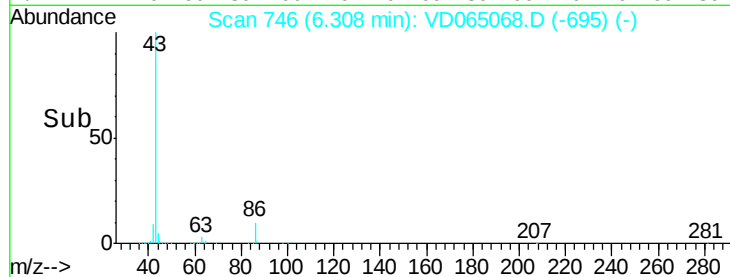
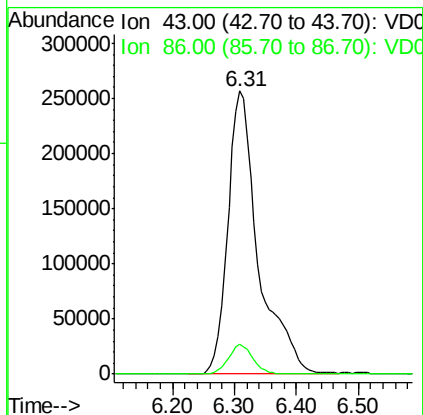
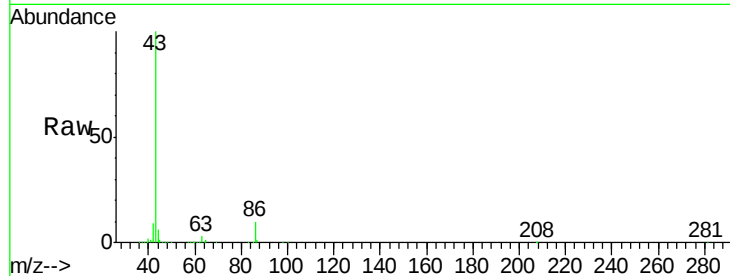
86 10.4 8.5 12.7

Manual Integrations

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MMDadoda

2/6/2020 10:37:28 AM



#24

1,1-Dichloroethane

Concen: 21.344 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

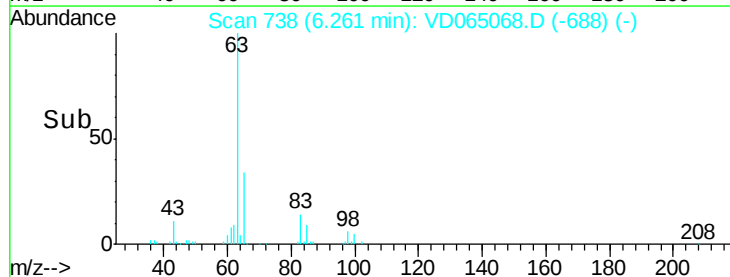
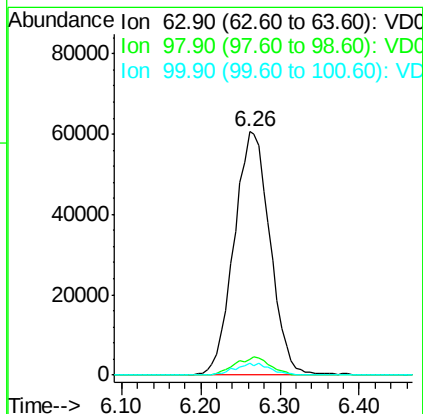
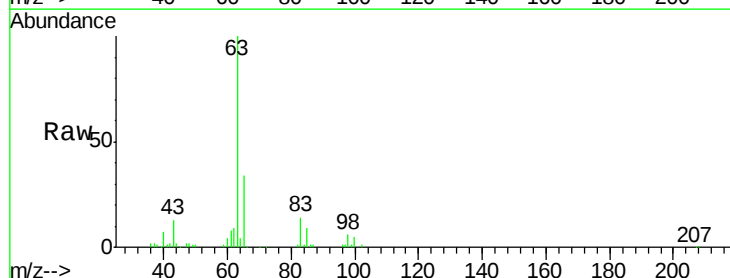
Tgt Ion: 63 Resp: 190572

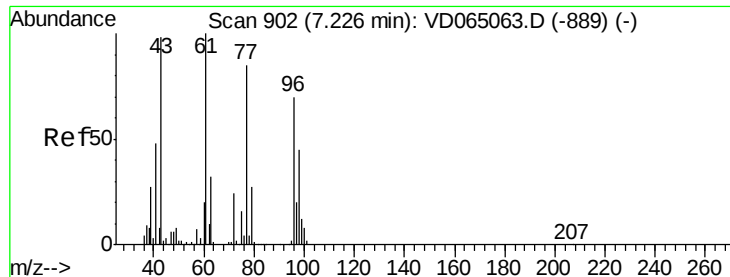
Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 5.1 2.5 7.6





#25

2-Butanone

Concen: 102.780 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 43 Resp: 138871

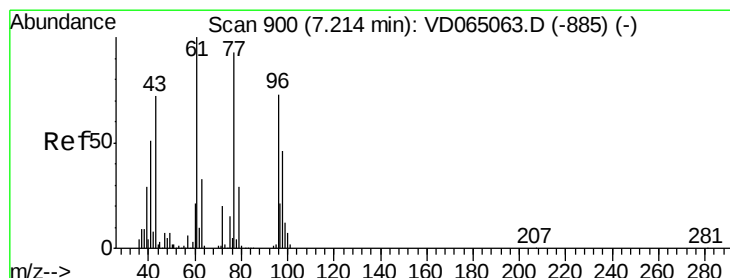
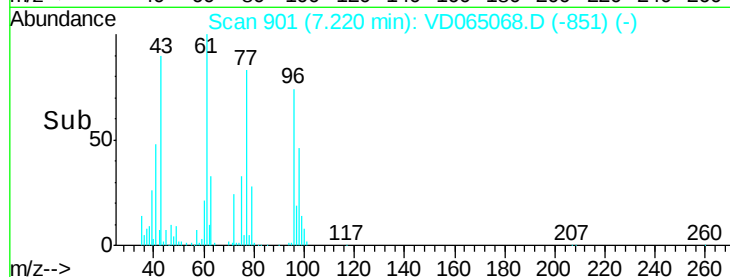
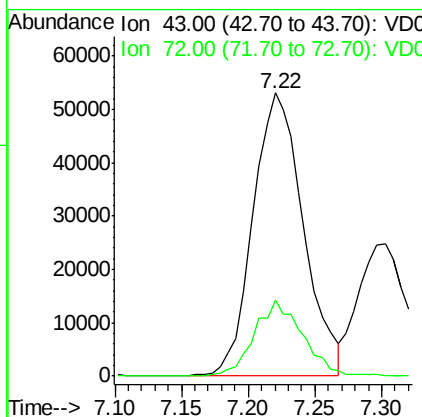
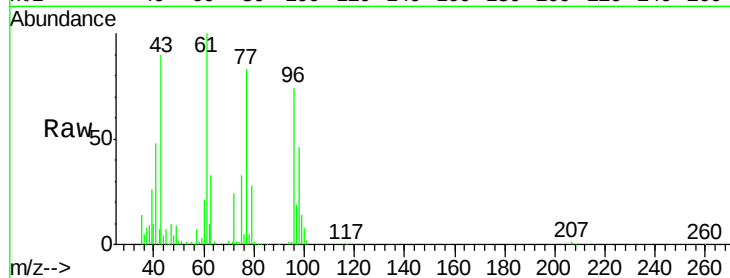
Ion Ratio Lower Upper

43 100

72 26.9 19.9 29.9

Manual Integrations
APPROVED

MMDadoda
2/6/2020 10:37:28 AM



#26

2,2-Dichloropropane

Concen: 20.989 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065068.D

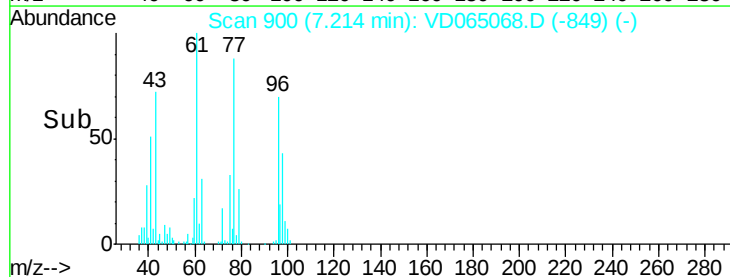
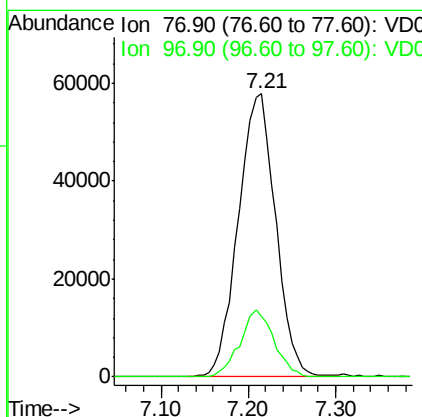
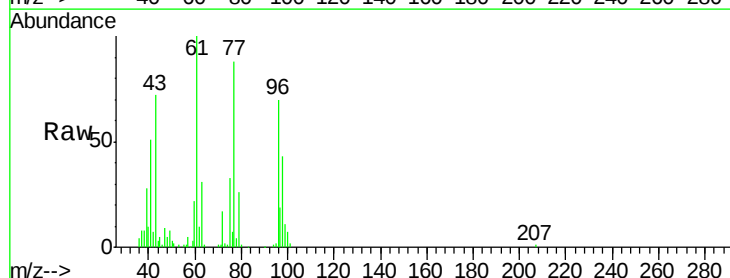
Acq: 05 Feb 2020 17:14

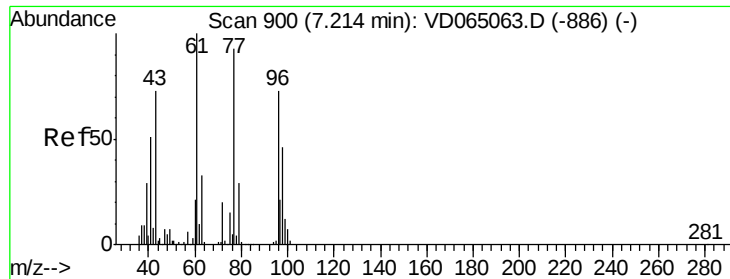
Tgt Ion: 77 Resp: 167973

Ion Ratio Lower Upper

77 100

97 21.6 10.9 32.6





#27

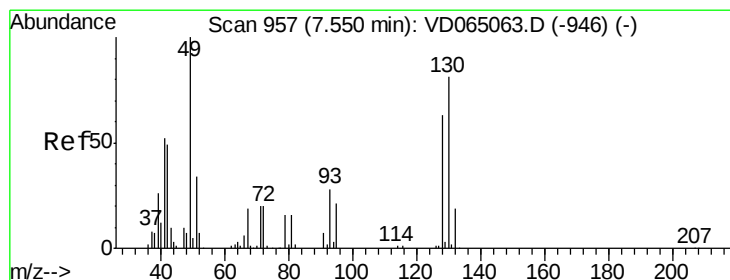
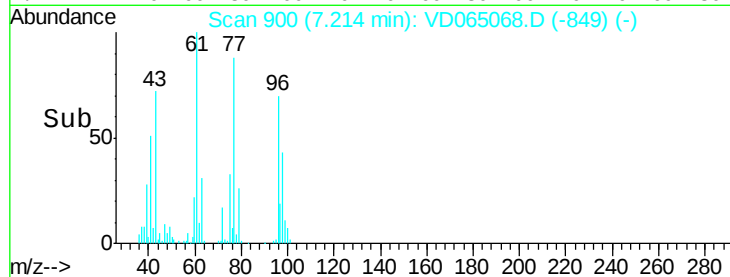
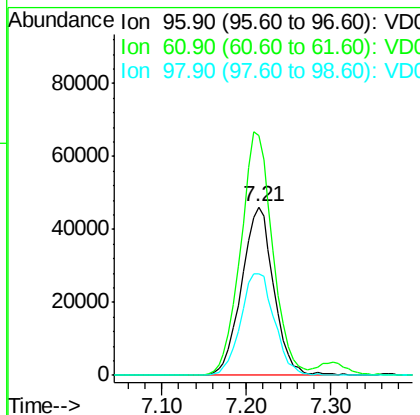
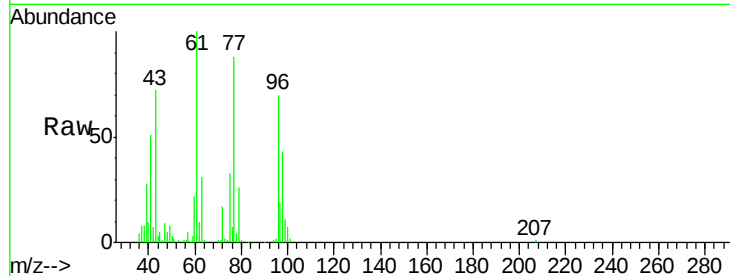
cis-1,2-Dichloroethene
 Concen: 21.510 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	292.8
98	63.6	0.0	128.8

Manual Integrations
 APPROVED

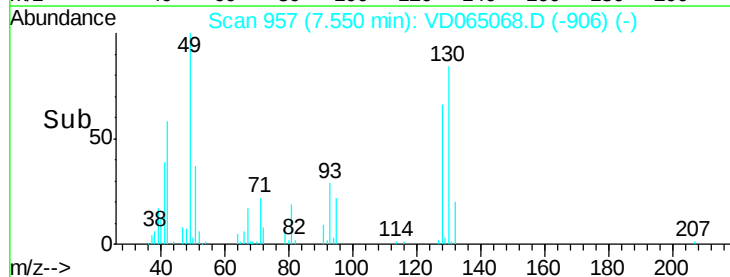
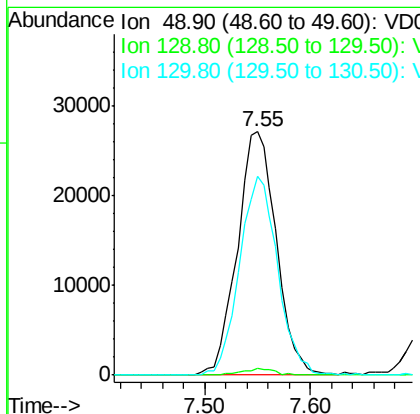
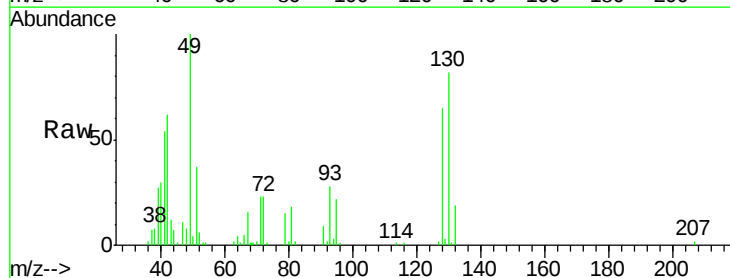
MMDadoda
 2/6/2020 10:37:28 AM

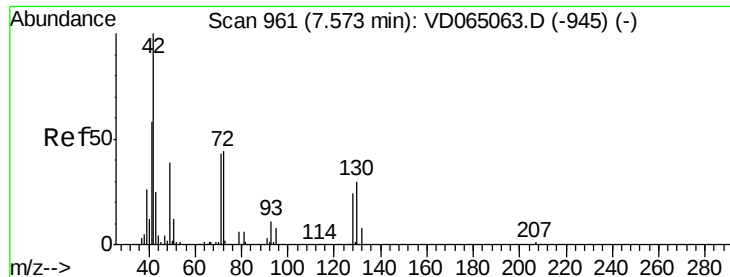


#28

Bromochloromethane
 Concen: 20.513 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	80.0	63.8	95.8





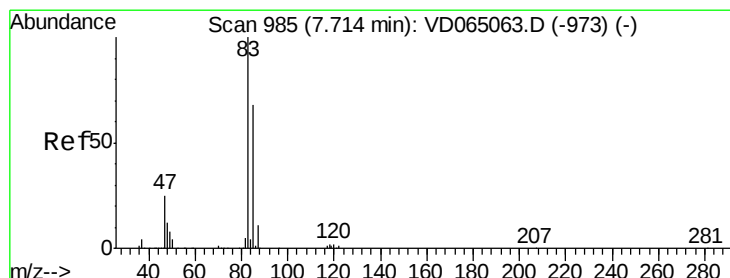
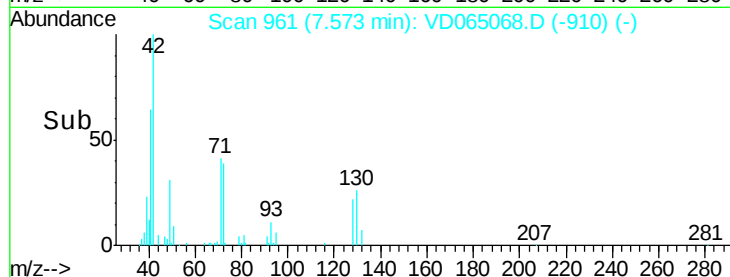
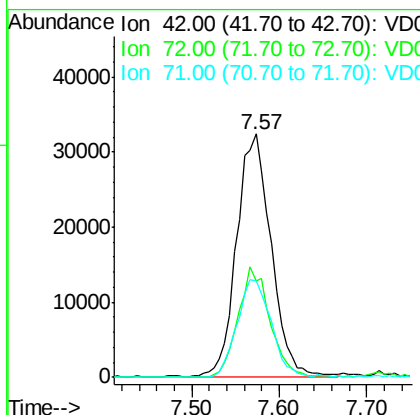
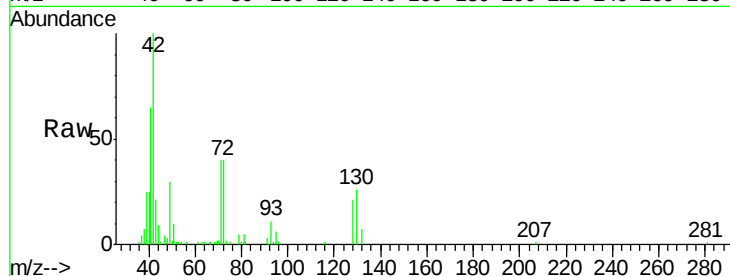
#29
Tetrahydrofuran
Concen: 106.527 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	34.2	51.4
71	39.4	31.8	47.6

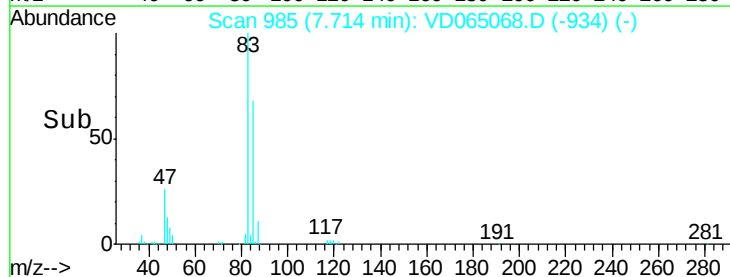
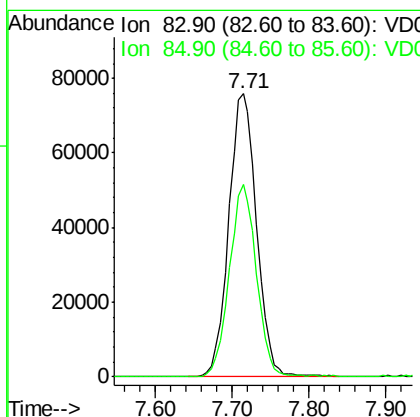
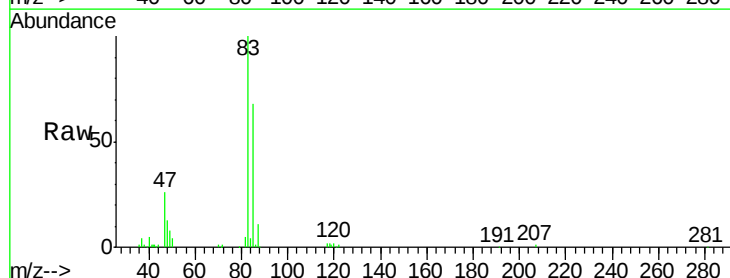
Manual Integrations
APPROVED

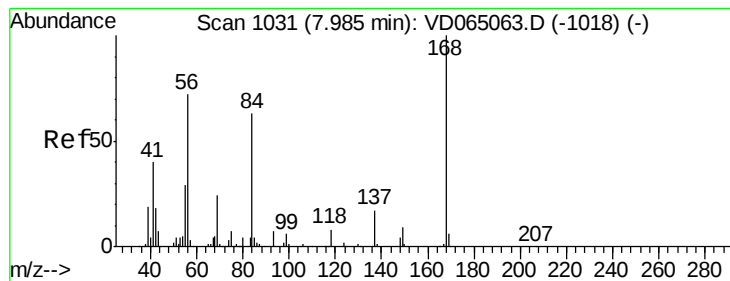
MMDadoda
2/6/2020 10:37:28 AM



#30
Chloroform
Concen: 21.535 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	54.2	81.4





#31

Cyclohexane

Concen: 20.141 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 56 Resp: 181524

Ion Ratio Lower Upper

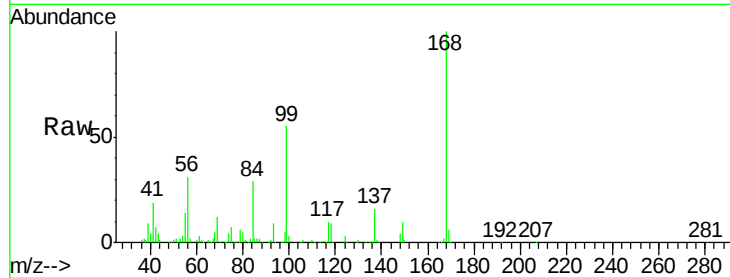
56 100

69 39.4 26.6 40.0

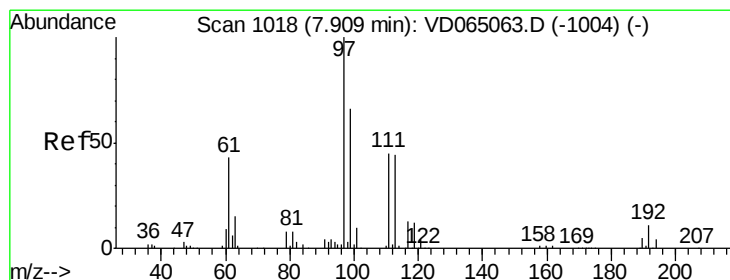
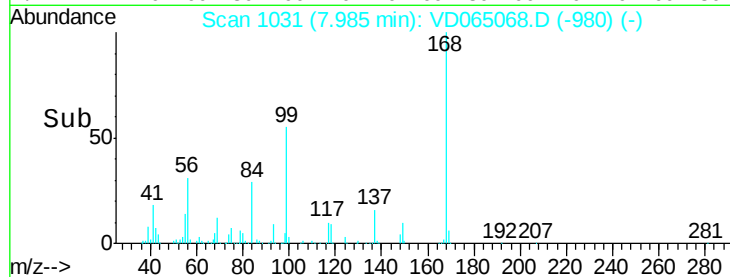
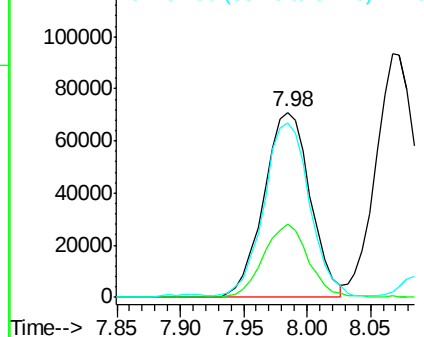
84 92.8 70.6 106.0

Manual Integrations
APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 21.101 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

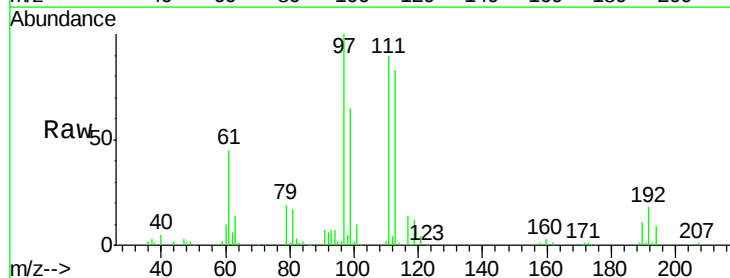
Tgt Ion: 97 Resp: 174741

Ion Ratio Lower Upper

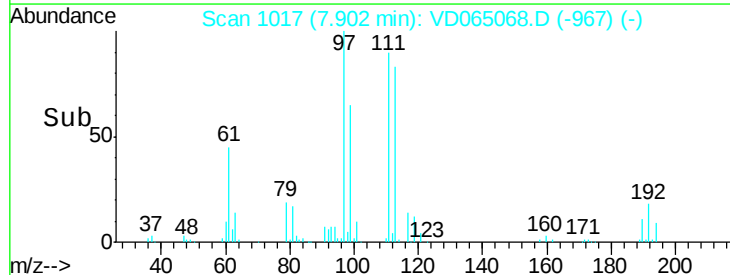
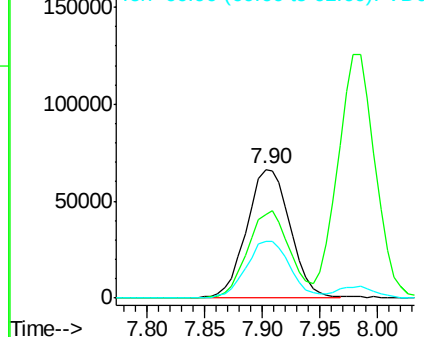
97 100

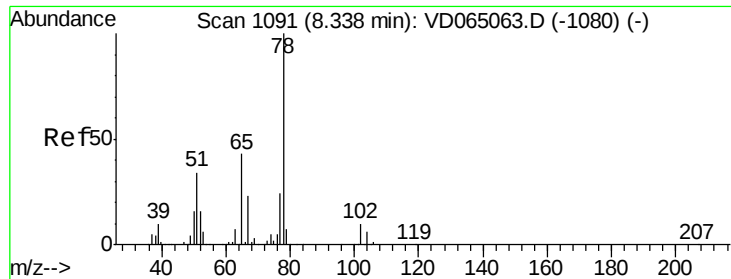
99 66.3 51.5 77.3

61 44.3 34.8 52.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





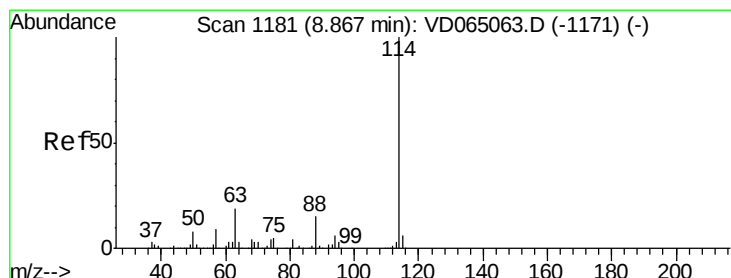
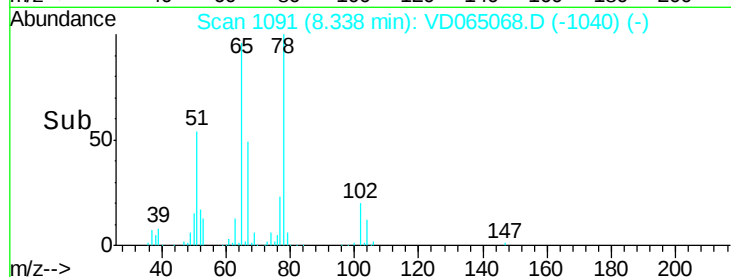
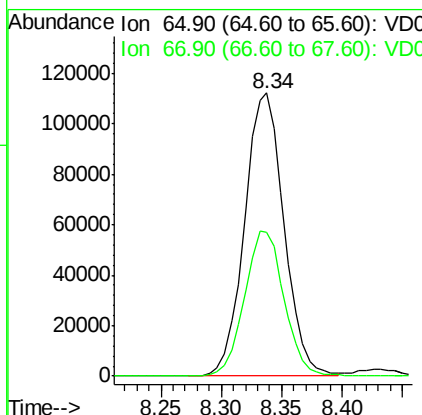
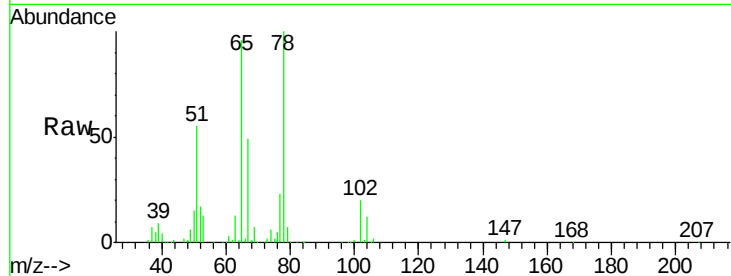
#33
 1,2-Dichloroethane-d4
 Concen: 56.172 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	254487		
67	51.5	0.0	105.8	

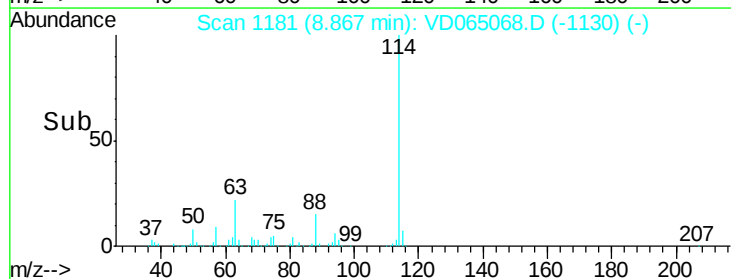
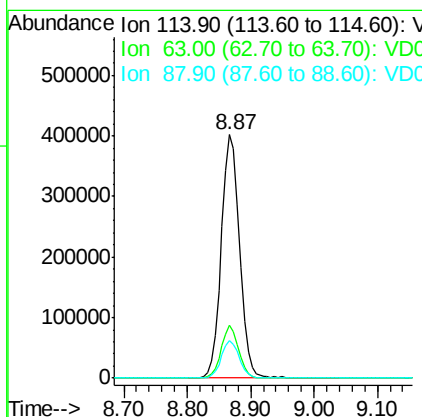
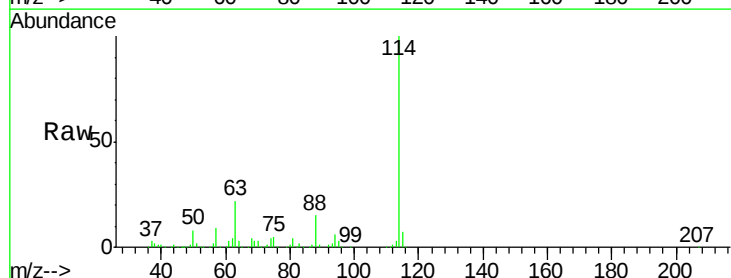
Manual Integrations
 APPROVED

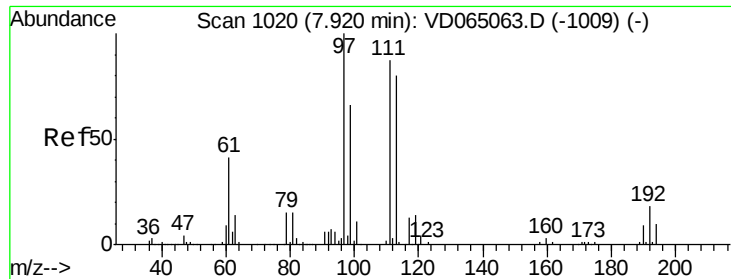
MMDadoda
 2/6/2020 10:37:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	809499		
63	21.9	0.0	38.8	
88	15.4	0.0	29.6	





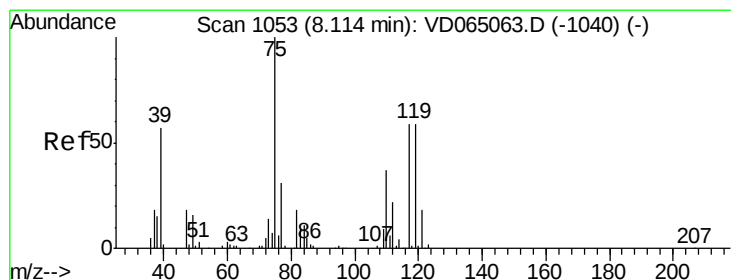
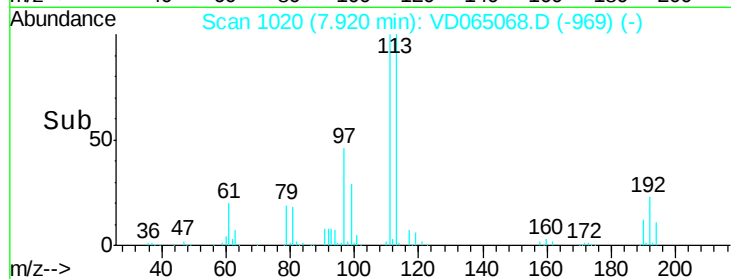
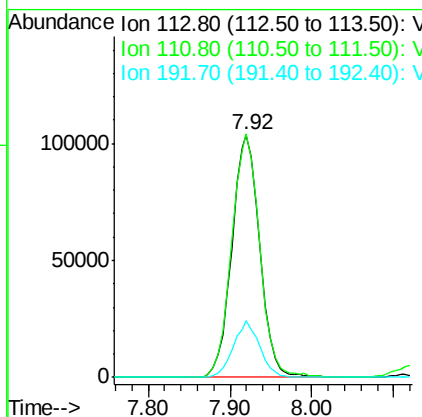
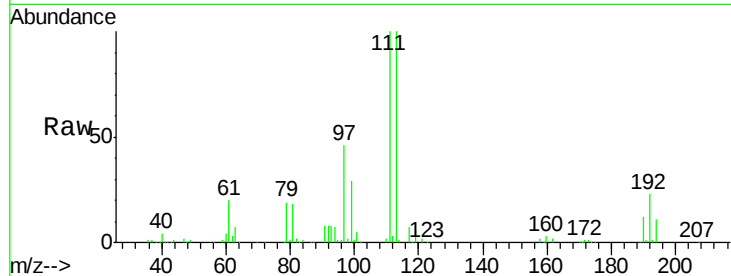
#35
 Dibromofluoromethane
 Concen: 54.232 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	244940		
111	101.3	83.1	124.7	
192	22.1	18.1	27.1	

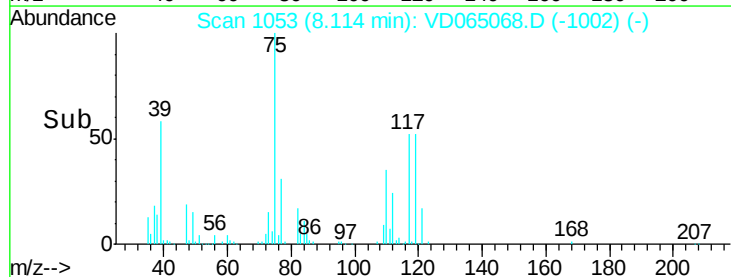
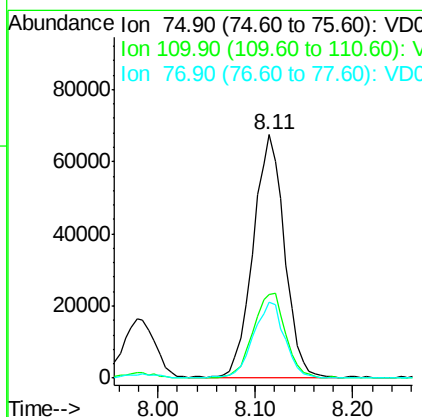
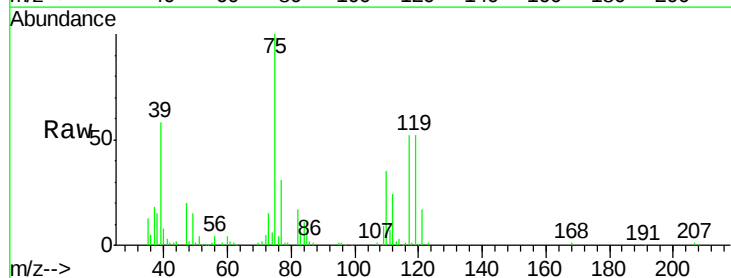
Manual Integrations
 APPROVED

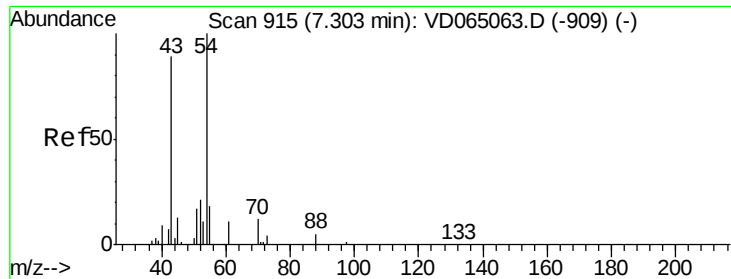
MMDadoda
 2/6/2020 10:37:28 AM



#36
 1,1-Dichloropropene
 Concen: 20.142 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	151614		
110	36.1	18.1	54.3	
77	31.2	24.7	37.1	





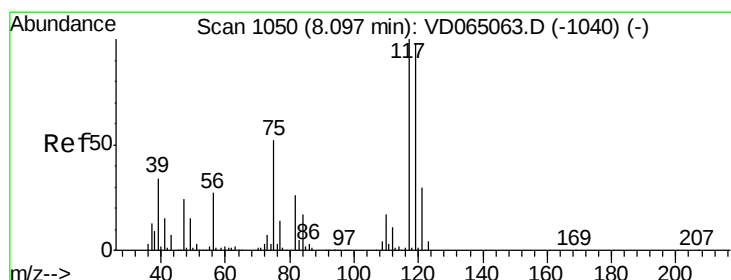
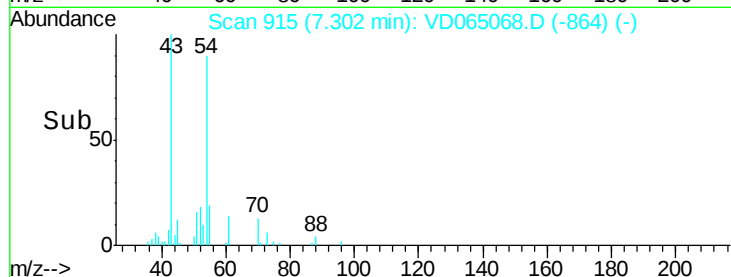
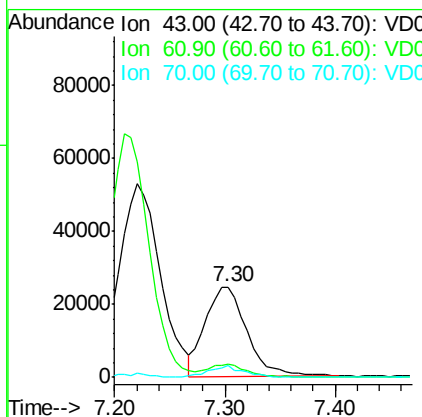
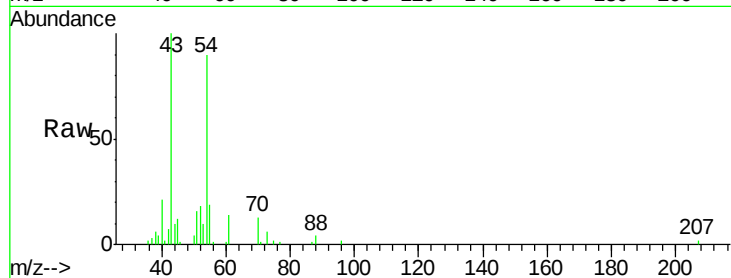
#37
Ethyl Acetate
Concen: 20.833 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	10.5	8.2	12.2

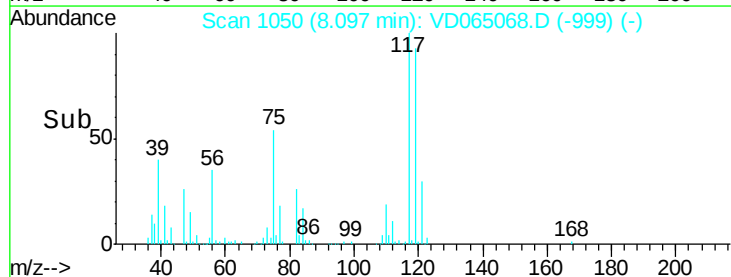
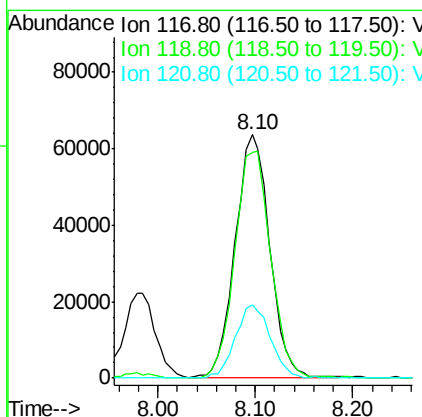
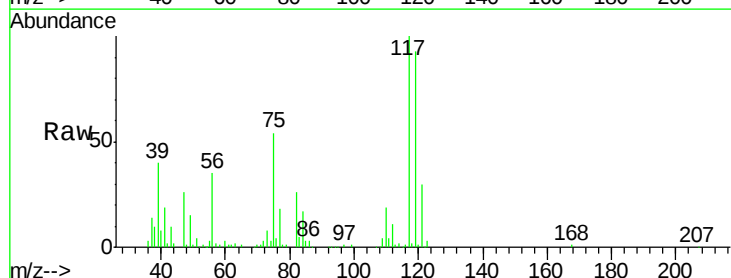
Manual Integrations
APPROVED

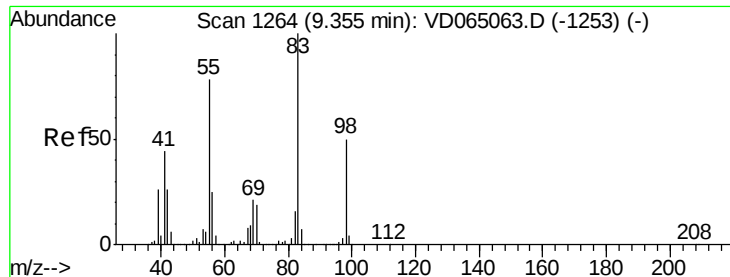
MMDadoda
2/6/2020 10:37:28 AM



#38
Carbon Tetrachloride
Concen: 20.252 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	78.5	117.7
121	30.0	23.8	35.6





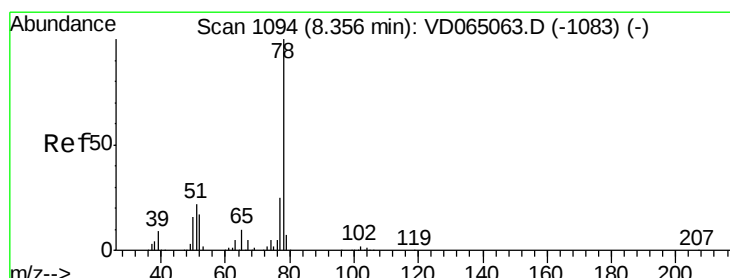
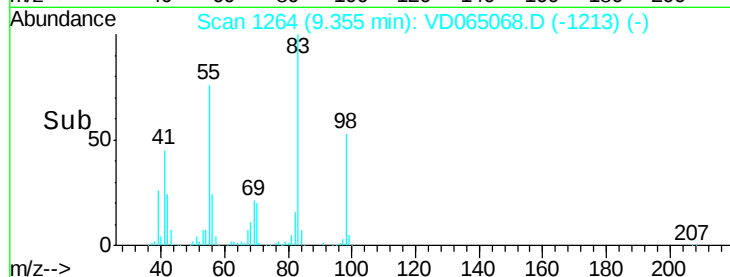
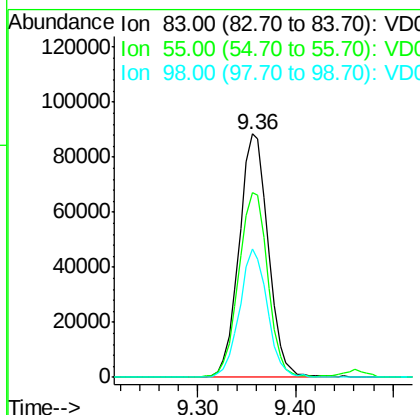
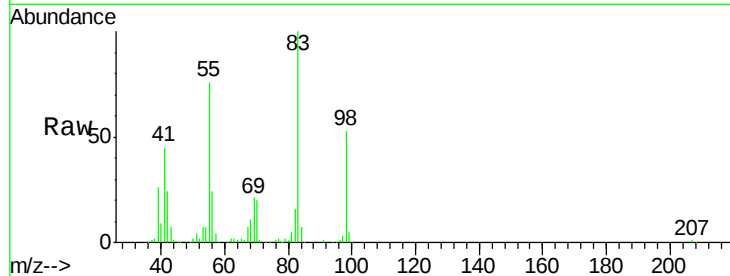
#39
Methvlcvclohexane
Concen: 19.947 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	62.0	93.0
98	53.0	39.9	59.9

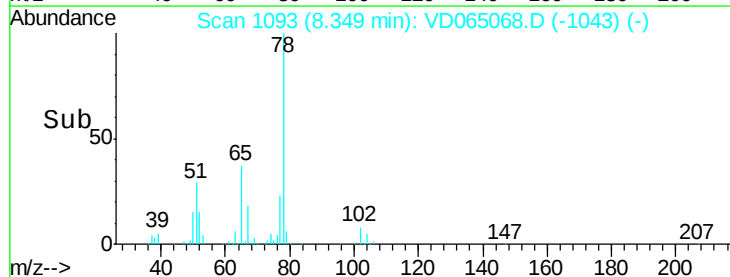
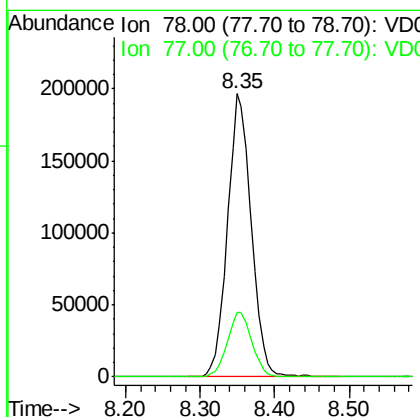
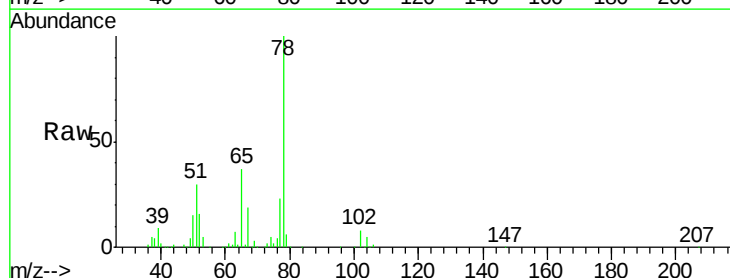
Manual Integrations
APPROVED

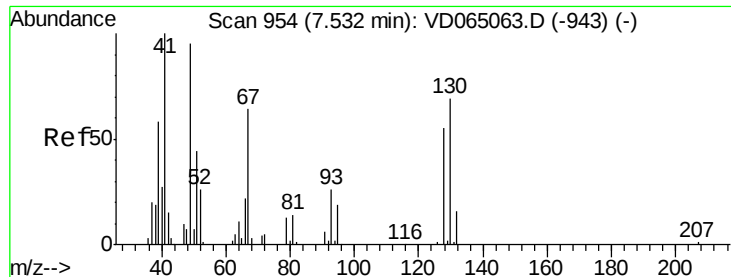
MMDadoda
2/6/2020 10:37:28 AM



#40
Benzene
Concen: 20.938 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.6	29.4





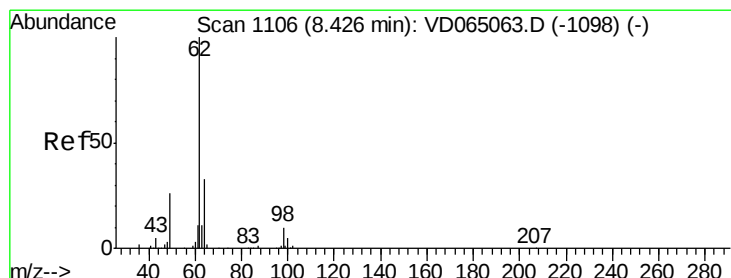
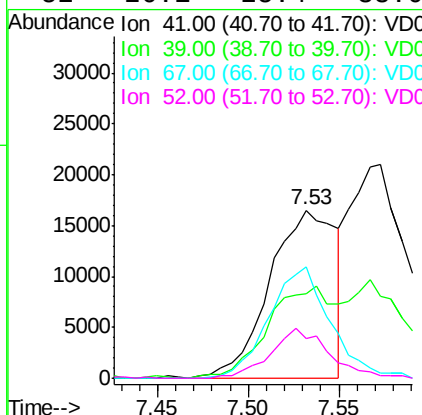
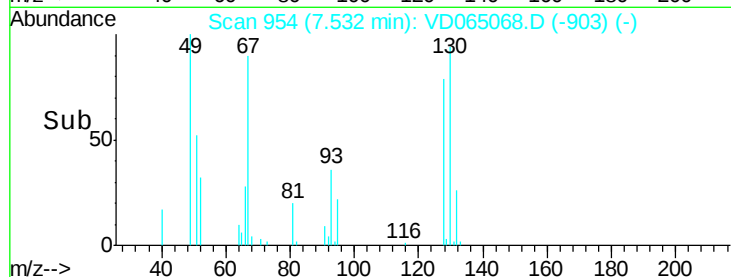
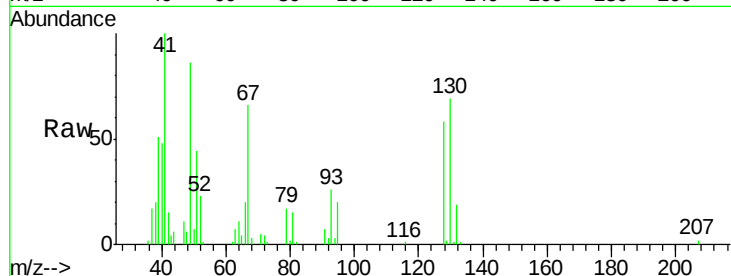
#41
Methacrylonitrile
Concen: 24.853 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	41	Resp	42104
Ion	Ratio	Lower	Upper
41	100		
39	55.1	55.4	83.0#
67	61.3	59.0	88.6
52	26.1	25.4	38.0

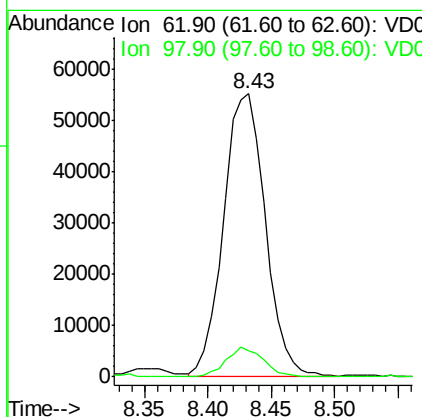
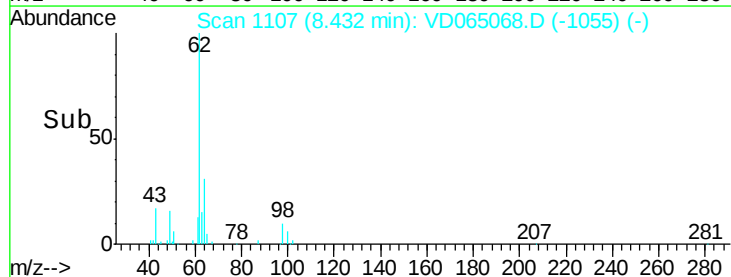
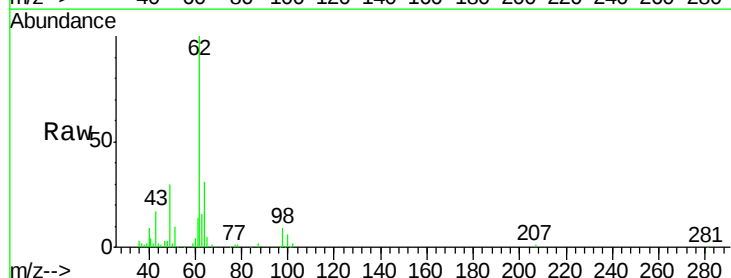
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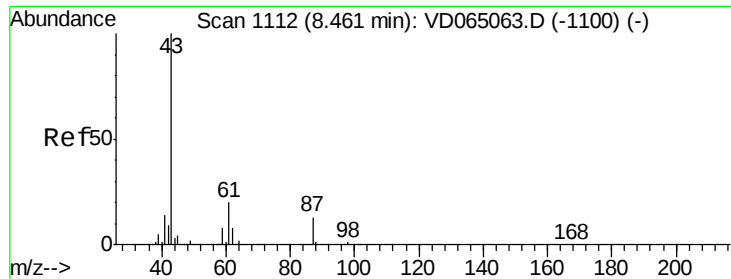
MMDadoda
2/6/2020 10:37:28 AM



#42
1,2-Dichloroethane
Concen: 21.187 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	62	Resp	125486
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6





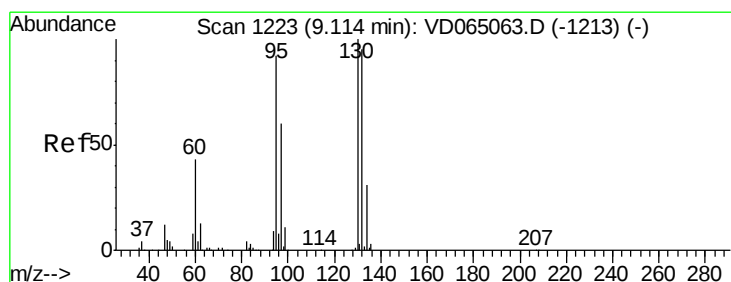
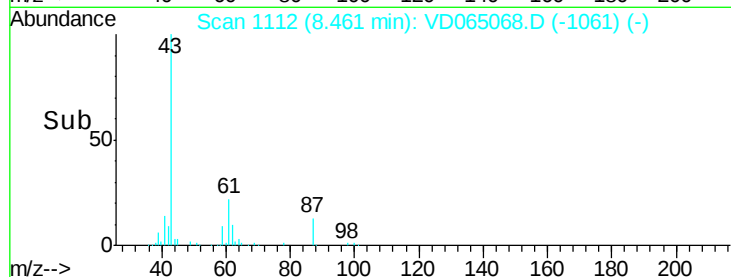
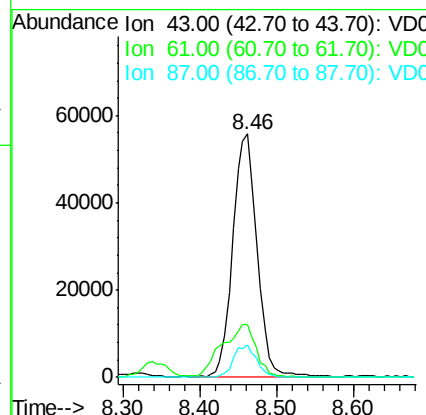
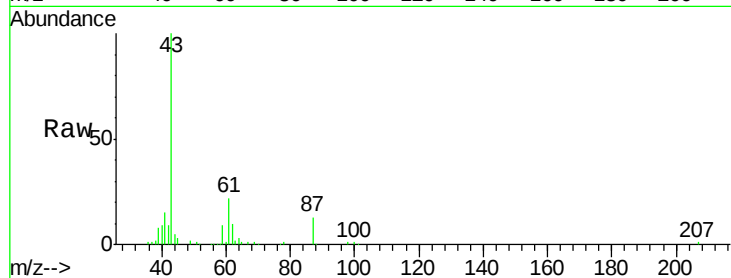
#43
Isopropyl Acetate
Concen: 21.046 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.0	36.0
87	12.4	10.2	15.4

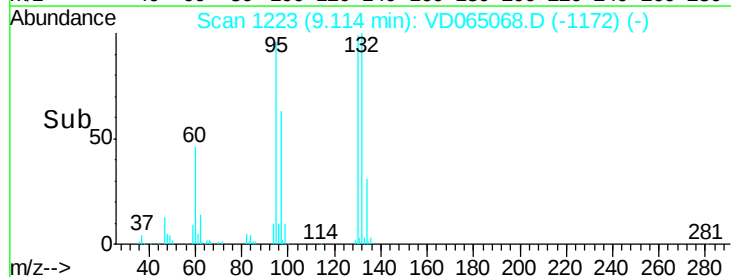
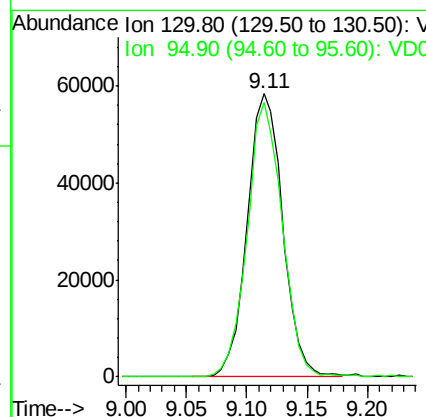
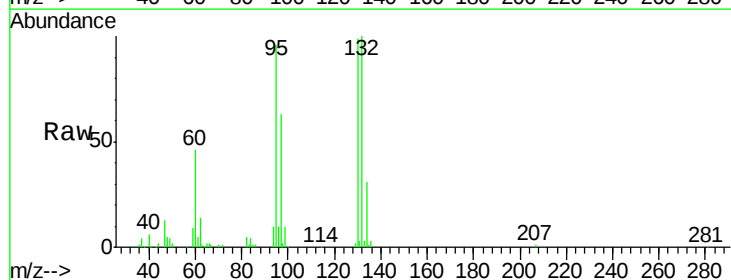
Manual Integrations
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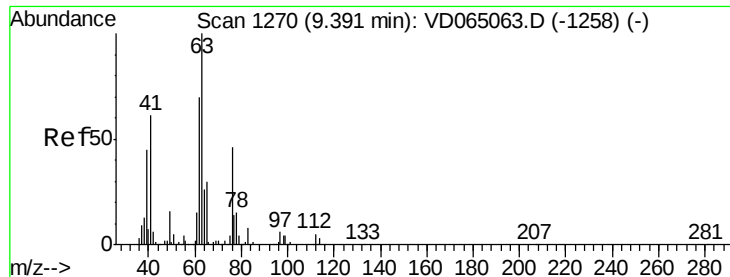
MMDadoda
2/6/2020 10:37:28 AM



#44
Trichloroethene
Concen: 20.098 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	185.0





#45

1,2-Dichloropropane

Concen: 21.200 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 63 Resp: 105655

Ion Ratio Lower Upper

63 100

65 30.6

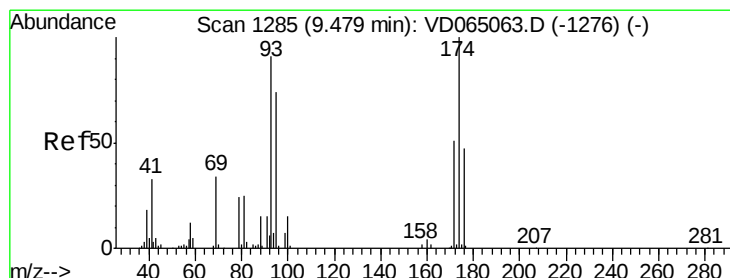
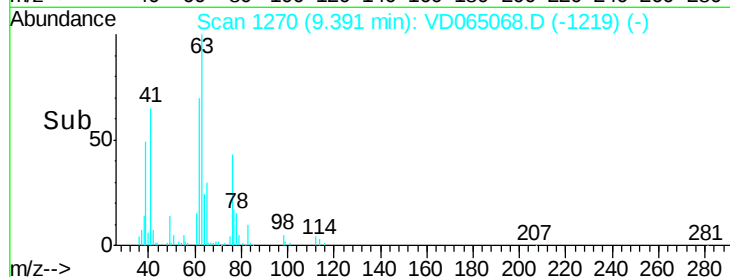
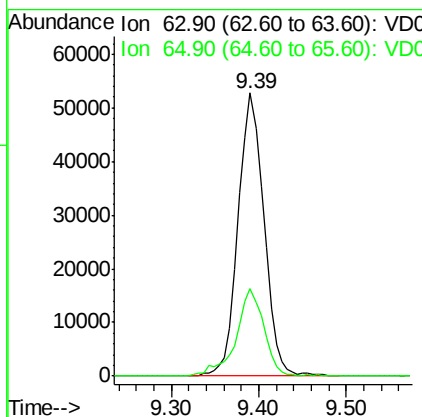
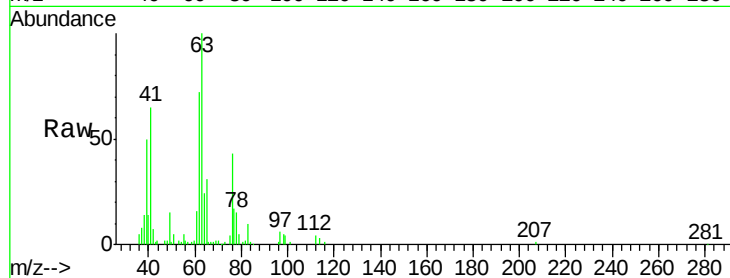
23.9

35.9

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2/6/2020 10:37:28 AM



#46

Dibromomethane

Concen: 21.093 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Tgt Ion: 93 Resp: 55238

Ion Ratio Lower Upper

93 100

95 84.2

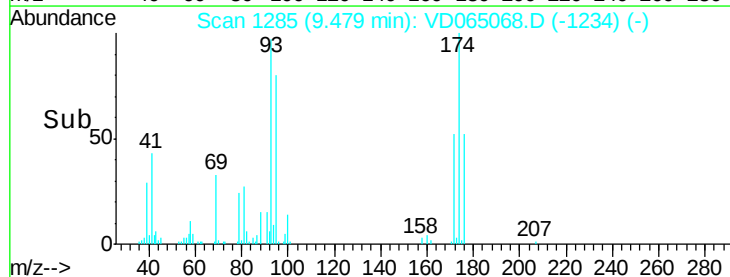
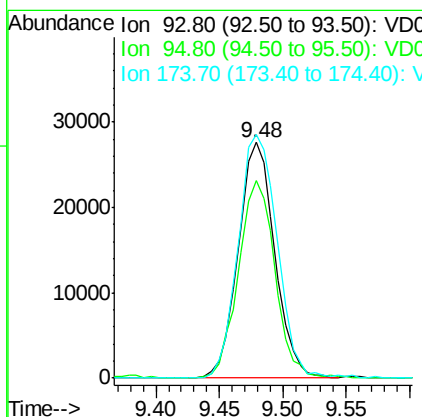
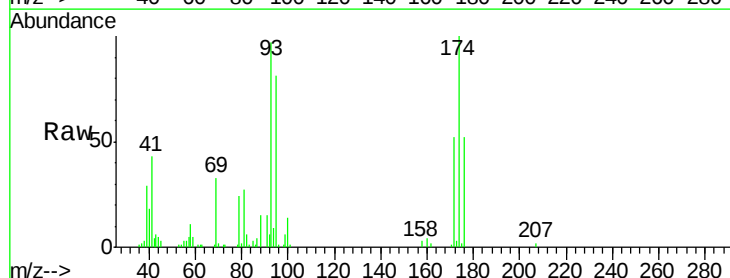
66.5

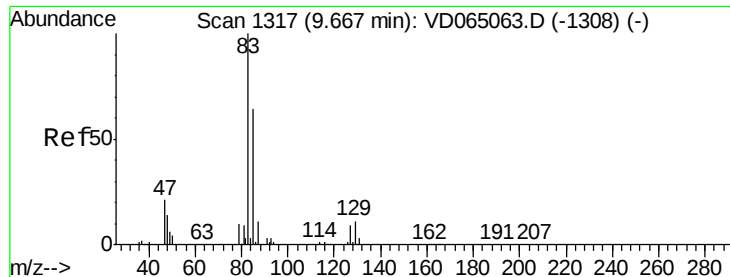
99.7

174 109.9

89.8

134.8





#47

Bromodichloromethane

Concen: 21.633 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

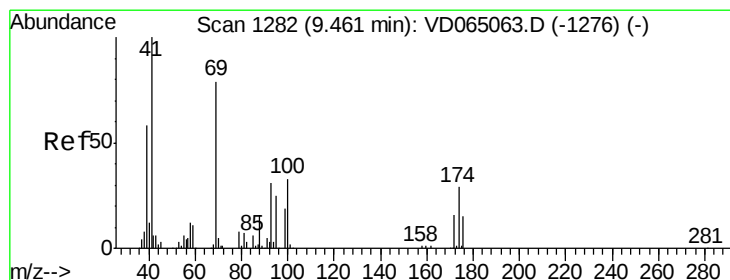
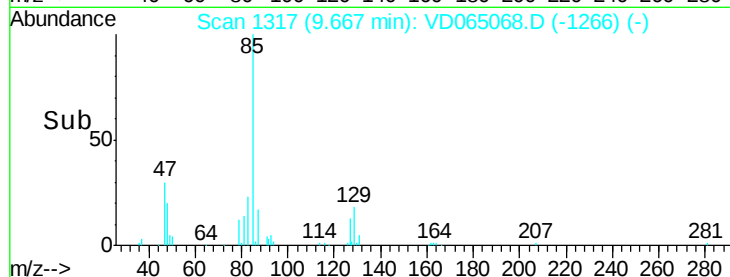
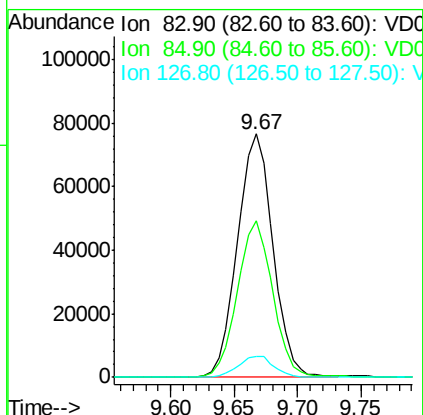
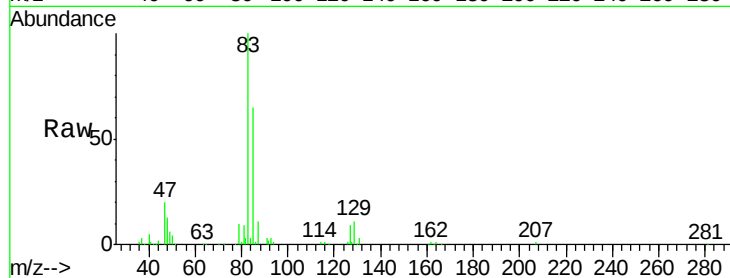
ClientSampleId :

VD0205SBS01

Tot Ion:	83	Resp:	149275
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.0	76.6
127	8.5	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.694 ug/l

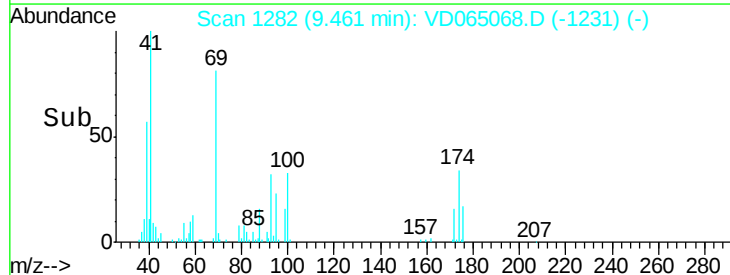
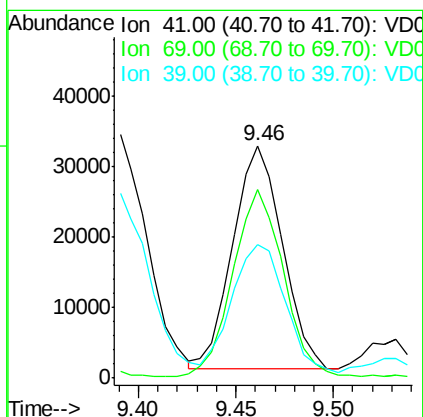
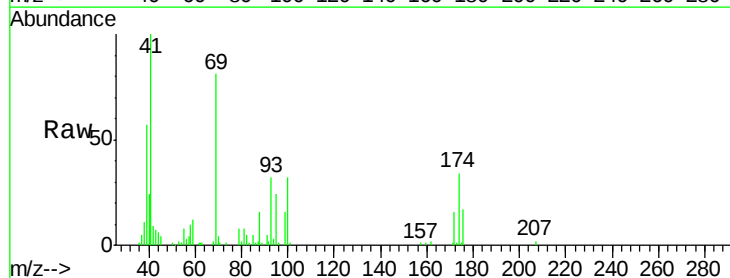
RT: 9.46 min Scan# 1282

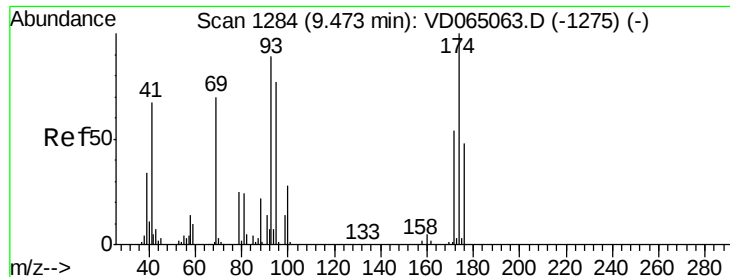
Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Tgt Ion:	41	Resp:	55747
Ion	Ratio	Lower	Upper
41	100		
69	85.8	67.5	101.3
39	61.7	47.0	70.4





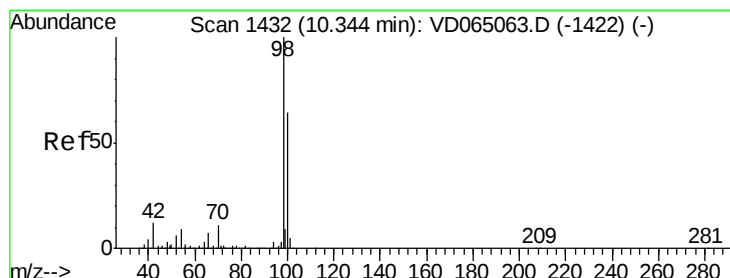
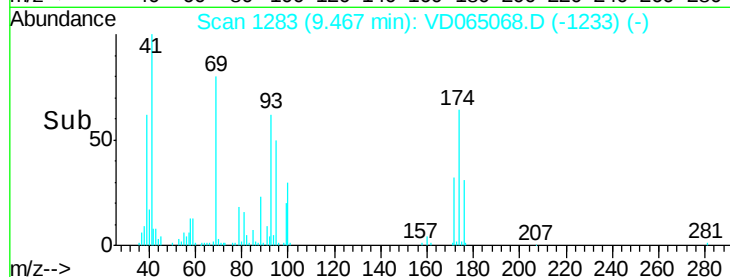
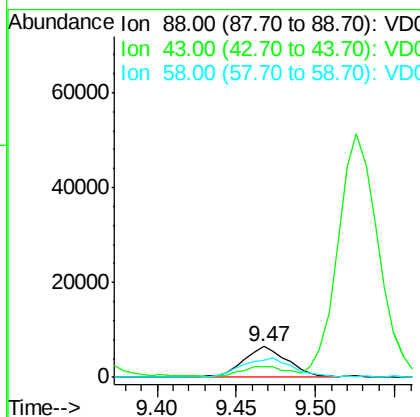
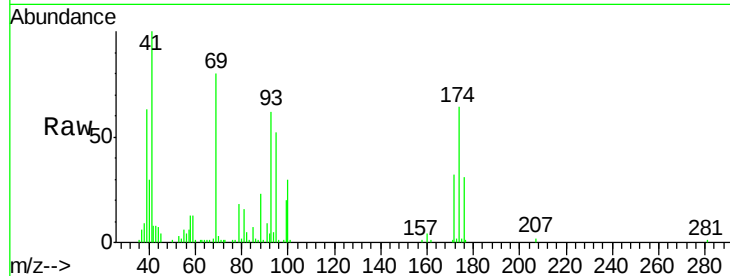
#49
1,4-Dioxane
Concen: 410.249 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	88	Resp	12725
Ion	Ratio	Lower	Upper
88	100		
43	36.5	27.7	41.5
58	76.5	55.5	83.3

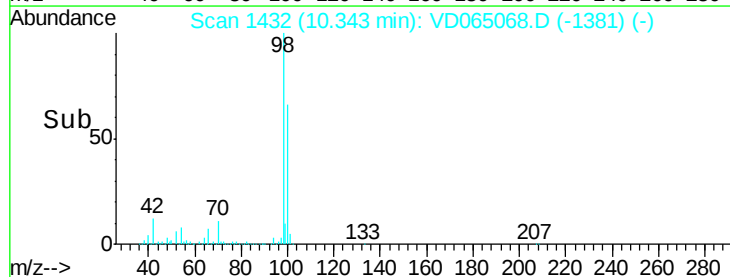
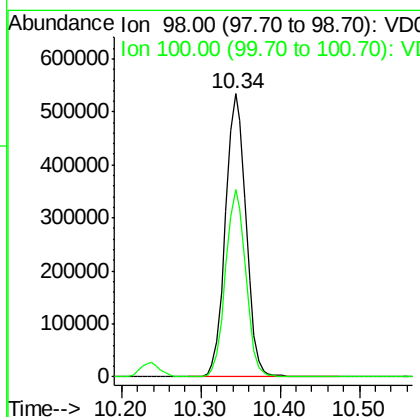
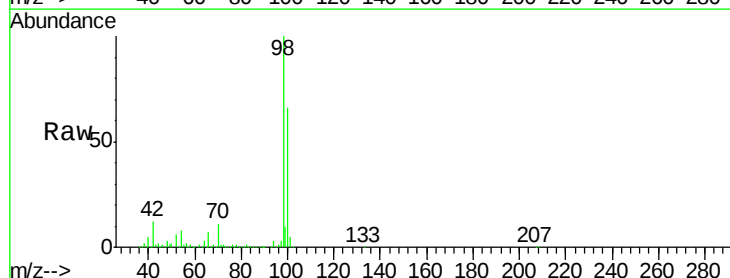
Manual Integrations
APPROVED

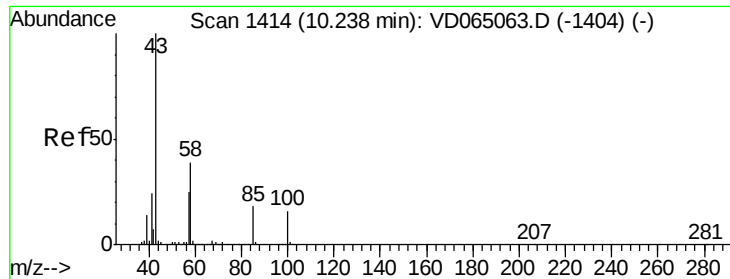
MMDadoda
2/6/2020 10:37:28 AM



#50
Toluene-d8
Concen: 53.396 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	98	Resp	959893
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1





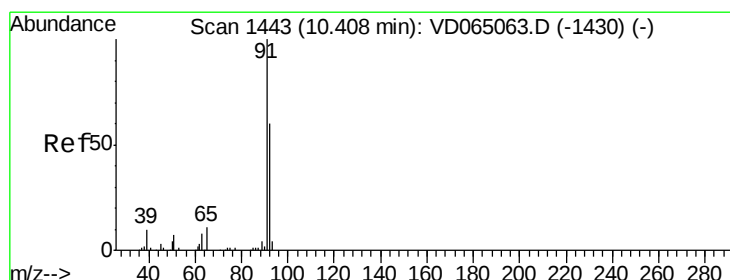
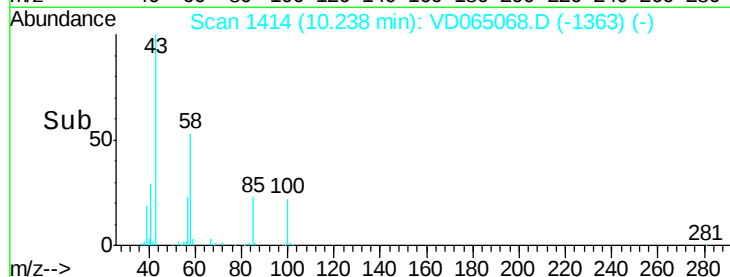
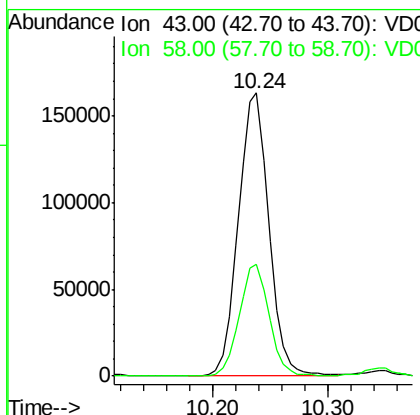
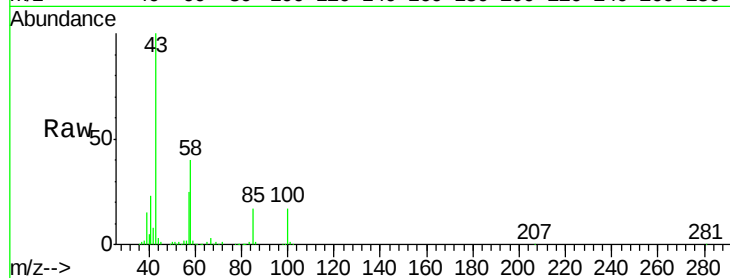
#51
4-Methyl-2-Pentanone
Concen: 103.527 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.2	45.2

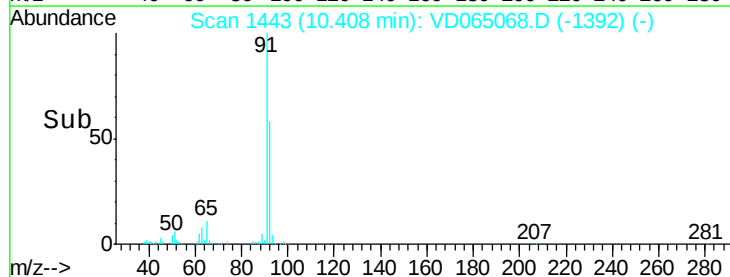
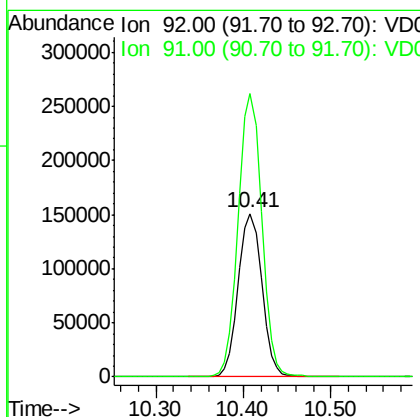
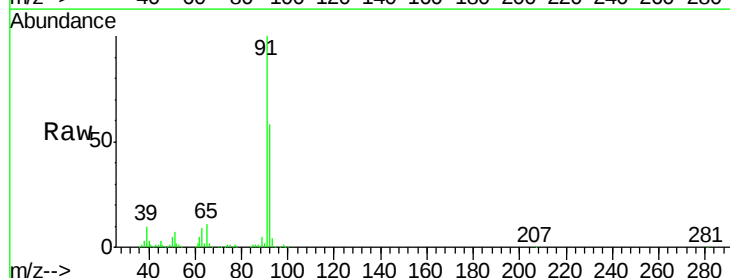
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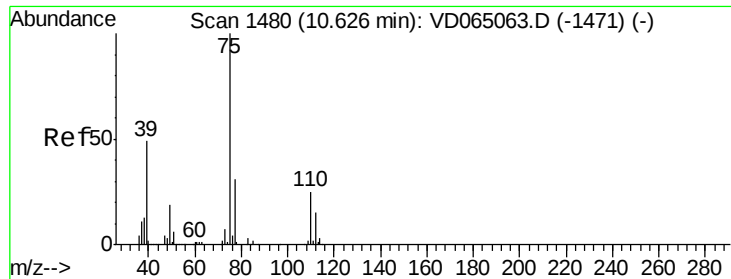
MMDadoda
2/6/2020 10:37:28 AM



#52
Toluene
Concen: 20.872 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	135.3	202.9





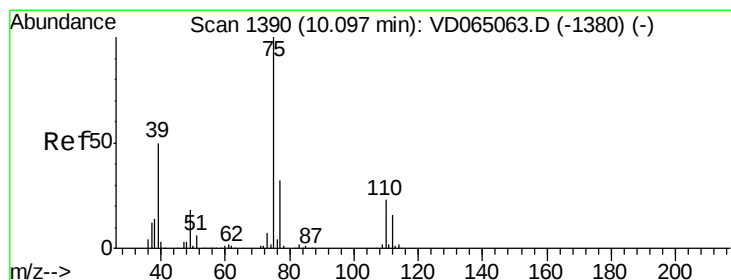
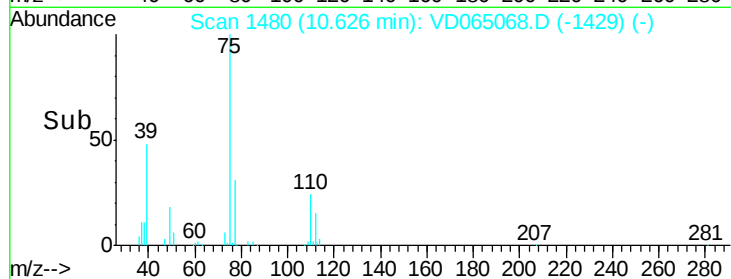
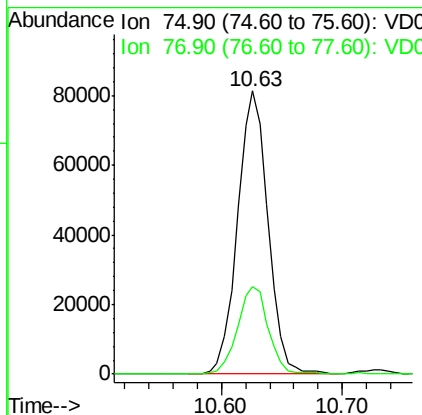
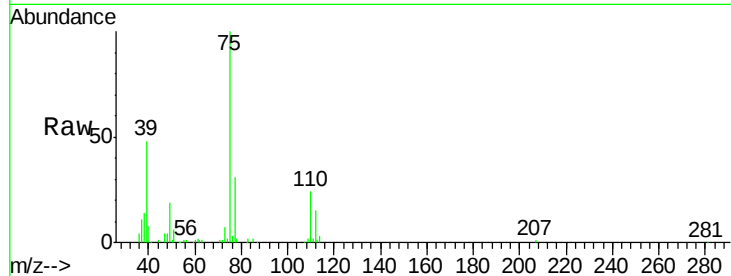
#53
t-1,3-Dichloropropene
Concen: 21.244 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.9	37.3

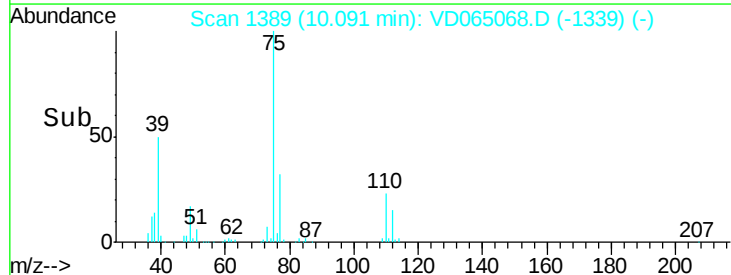
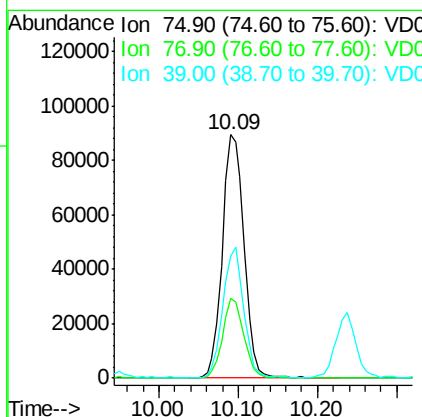
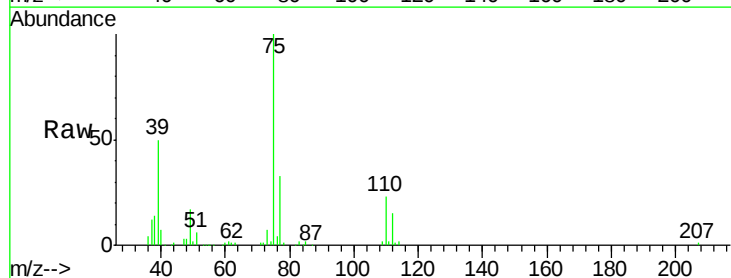
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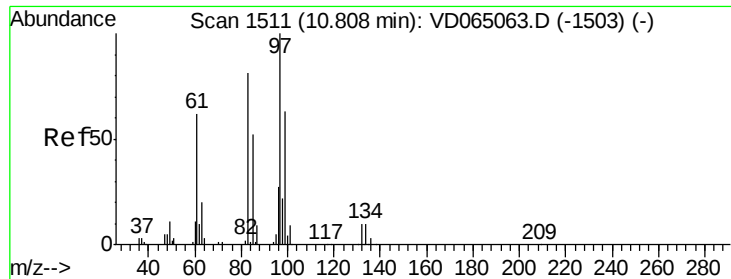
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#54
cis-1,3-Dichloropropene
Concen: 21.114 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.3	37.9
39	50.4	40.3	60.5





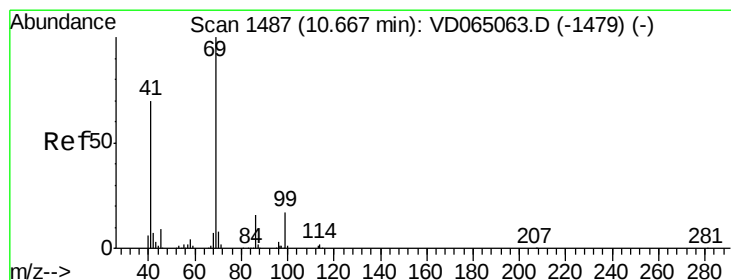
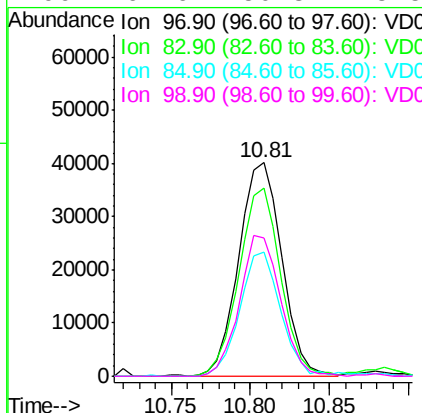
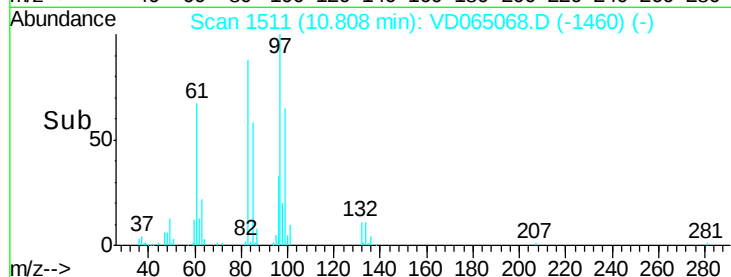
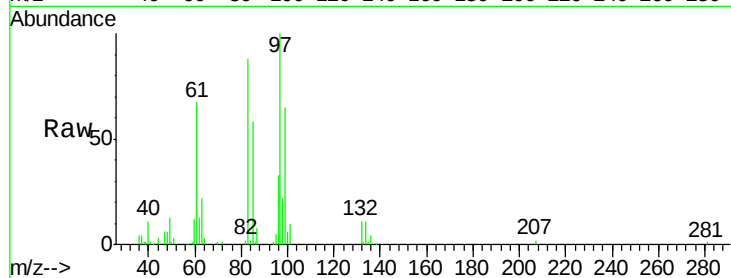
#55
 1,1,2-Trichloroethane
 Concen: 21.170 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Tot Ion:	97	Resp:	76044
Ion	Ratio	Lower	Upper
97	100		
83	87.8	64.8	97.2
85	58.4	41.2	61.8
99	64.6	50.3	75.5

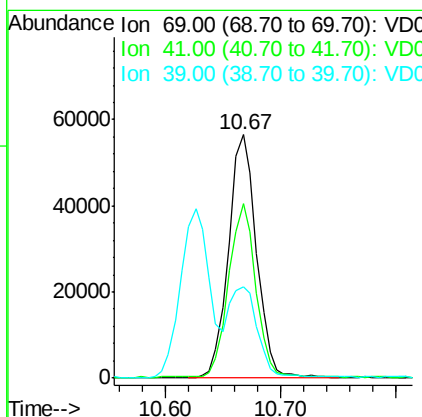
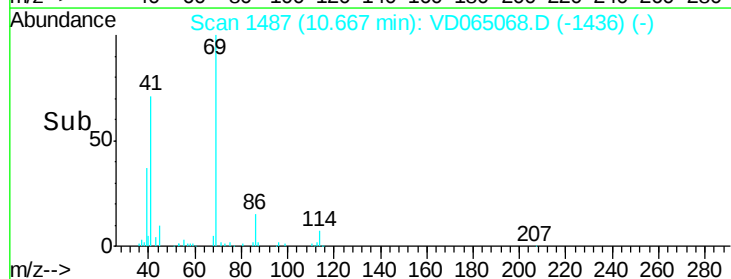
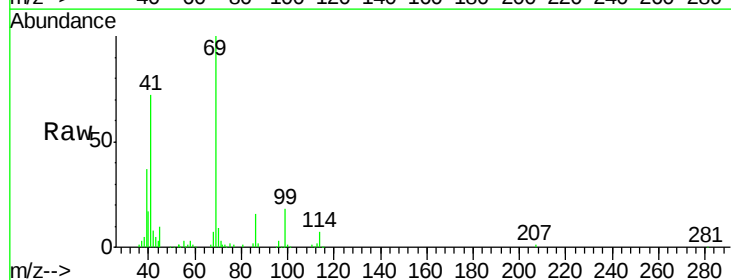
Manual Integrations
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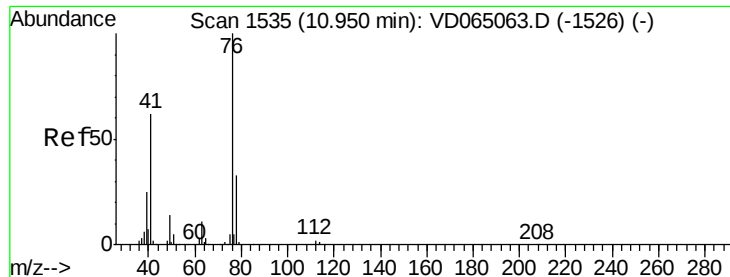
MMDadoda
 2/6/2020 10:37:28 AM



#56
 Ethyl methacrylate
 Concen: 20.946 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Tgt Ion:	69	Resp:	95198
Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.9	83.9
39	36.7	29.4	44.0





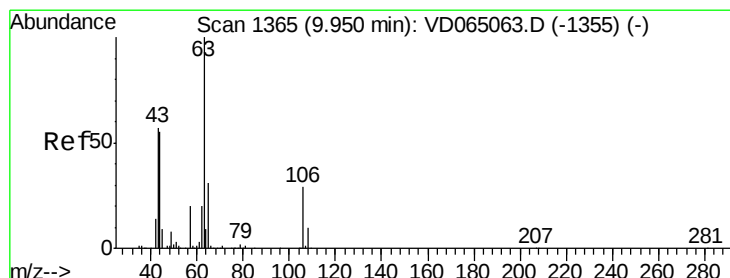
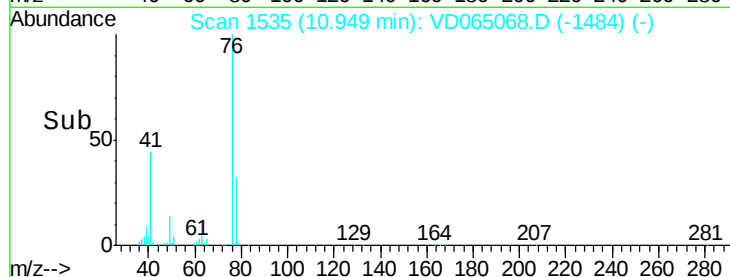
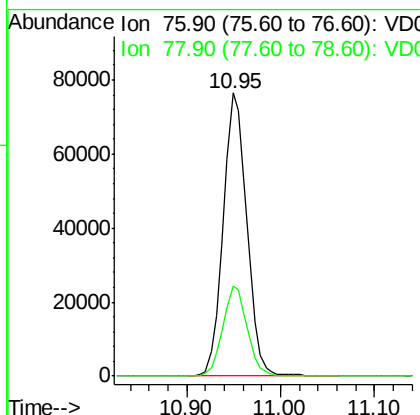
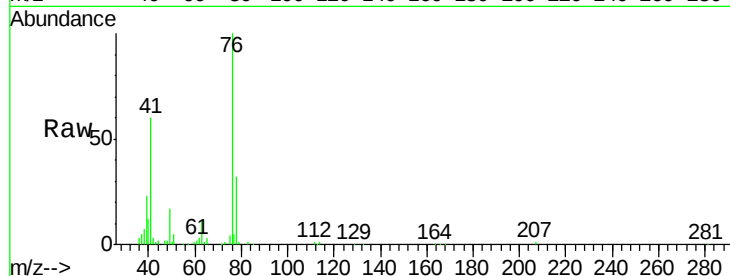
#57
 1,3-Dichloropropane
 Concen: 21.159 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.6

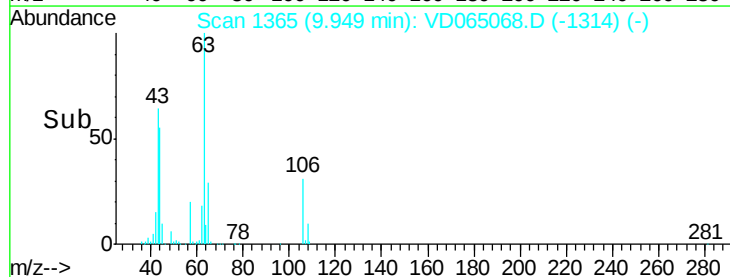
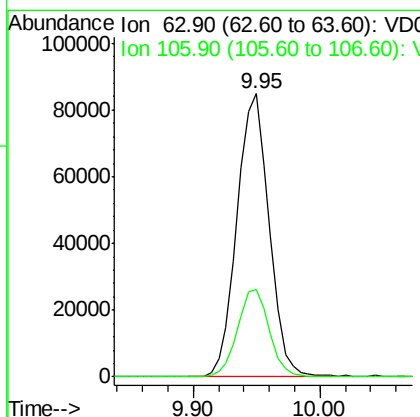
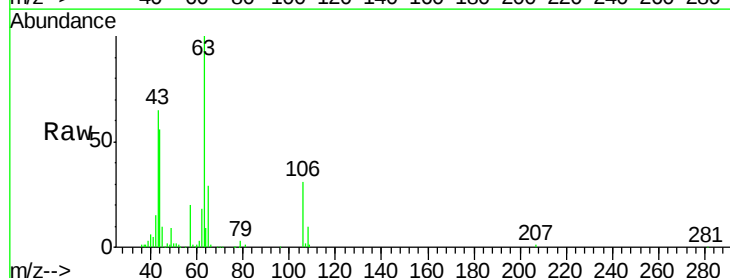
Manual Integrations
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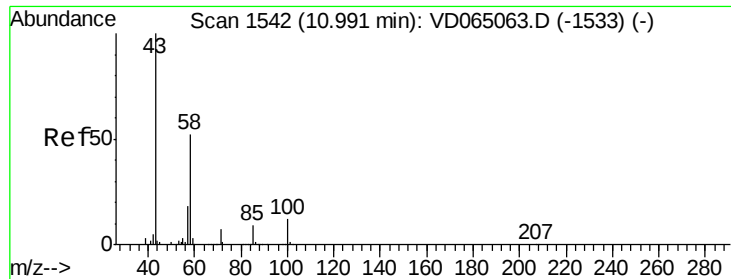
MMDadoda
 2/6/2020 10:37:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.590 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.3	34.9





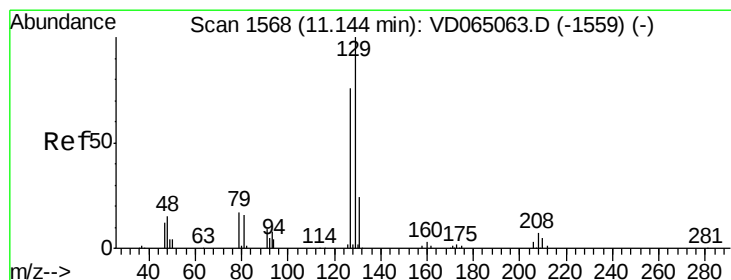
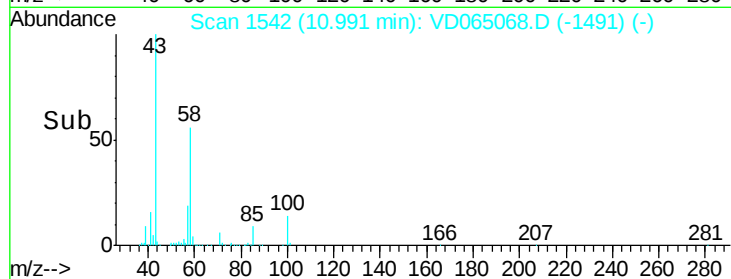
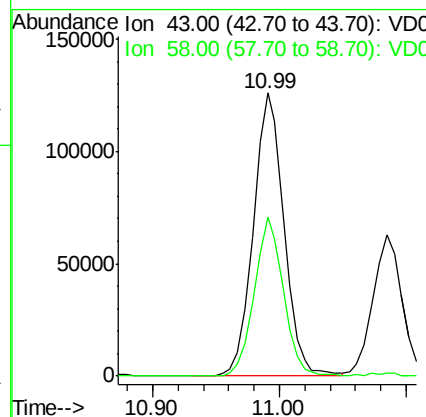
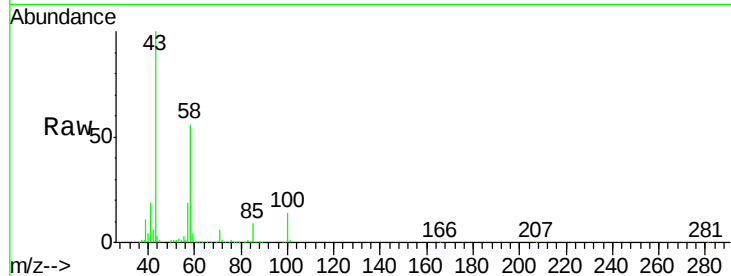
#59
2-Hexanone
Concen: 103.373 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	26.2	78.6

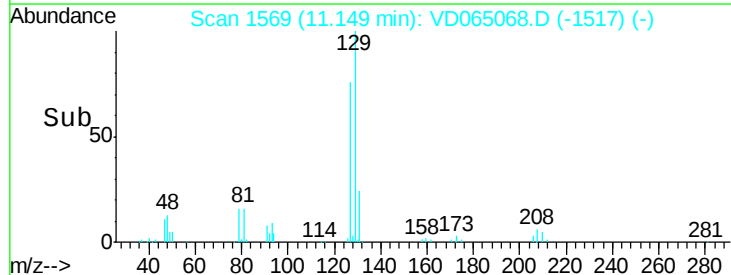
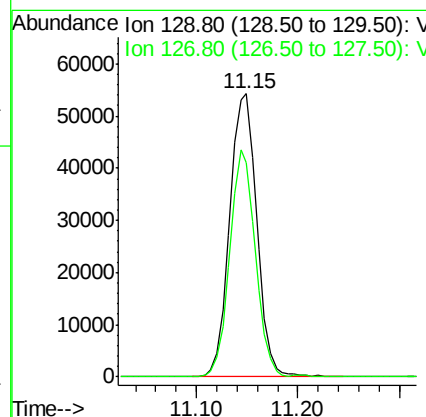
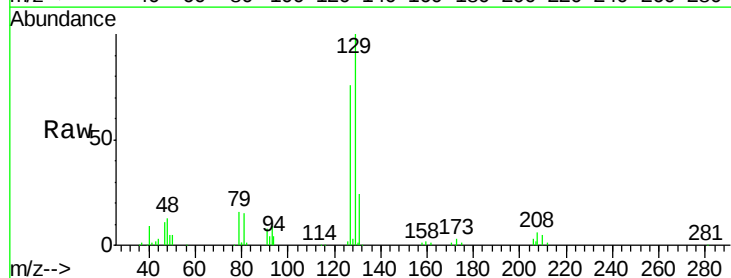
Manual Integrations
APPROVED

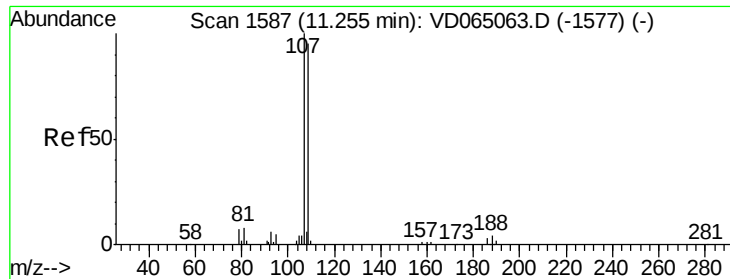
MMDadoda
2/6/2020 10:37:28 AM



#60
Dibromochloromethane
Concen: 21.607 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.6	38.3	114.9





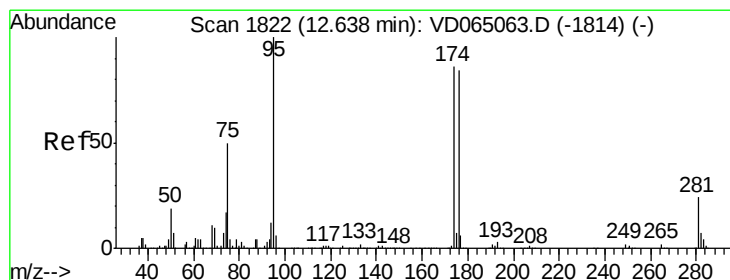
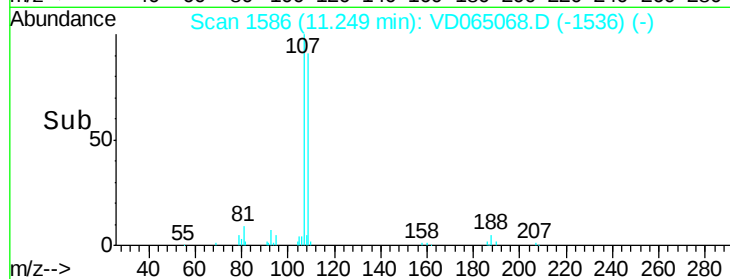
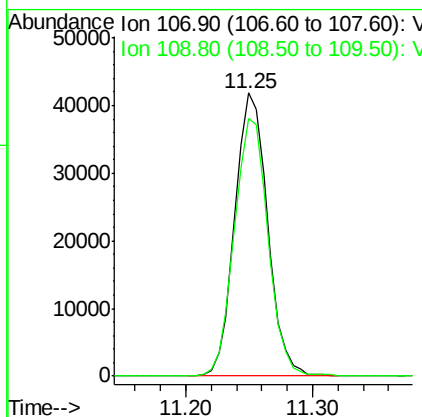
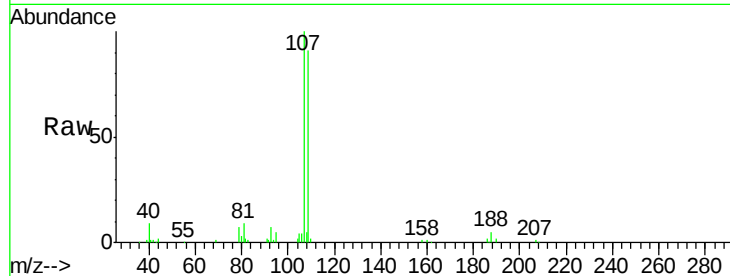
#61
1,2-Dibromoethane
Concen: 21.409 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion: 107 Resp: 75141
Ion Ratio Lower Upper
107 100
109 93.5 75.5 113.3

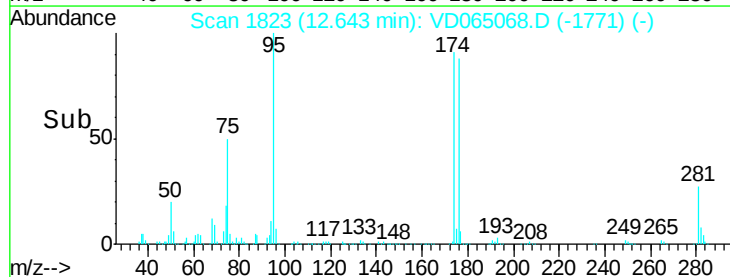
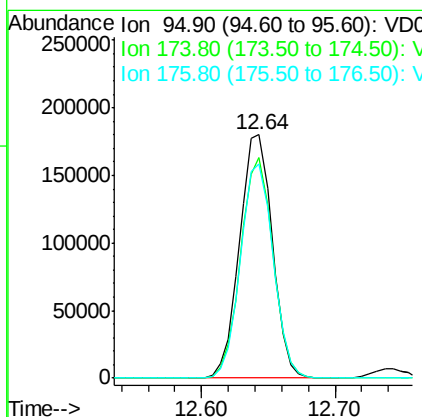
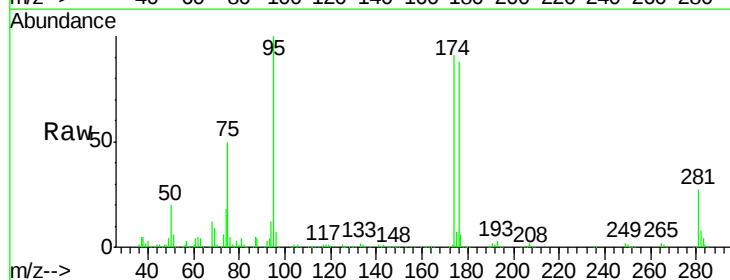
Manual Integrations
APPROVED

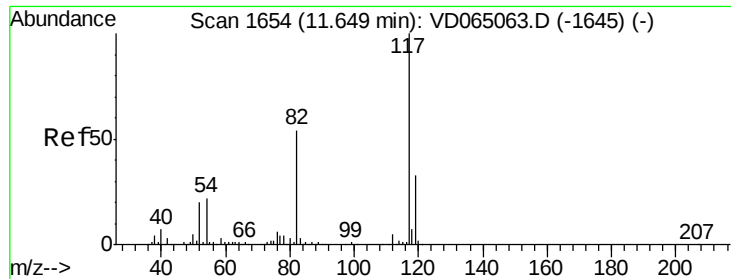
MMDadoda
2/6/2020 10:37:28 AM



#62
4-Bromofluorobenzene
Concen: 53.769 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion: 95 Resp: 306280
Ion Ratio Lower Upper
95 100
174 89.0 0.0 180.0
176 87.7 0.0 173.2





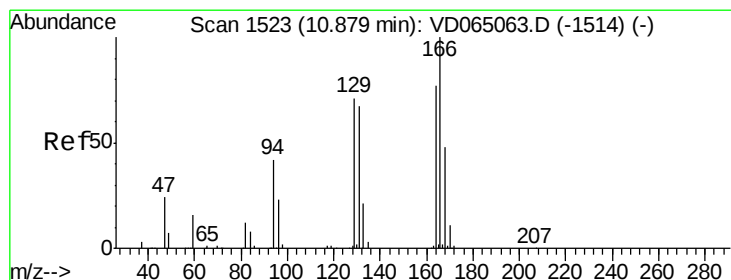
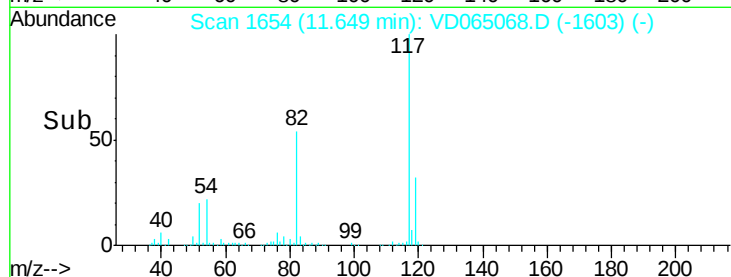
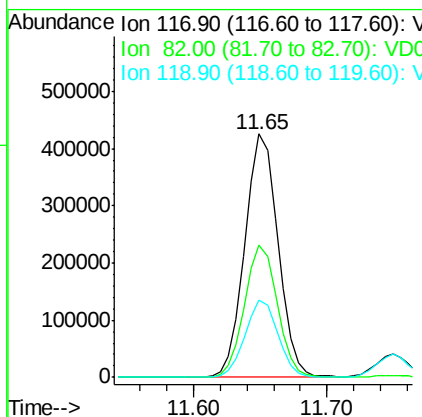
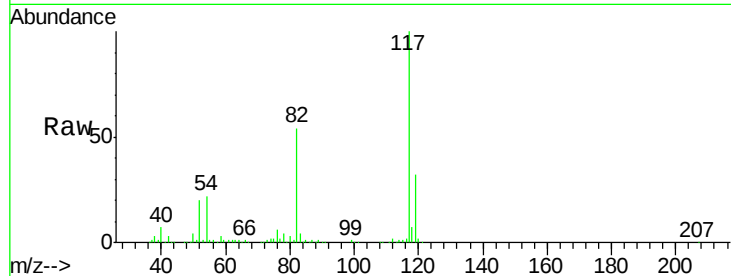
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	731931		
82	54.4	43.1	64.7	
119	31.9	26.0	39.0	

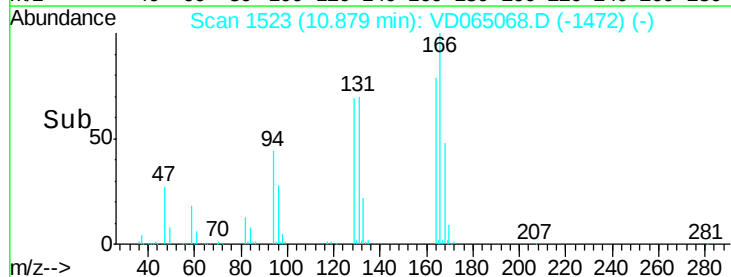
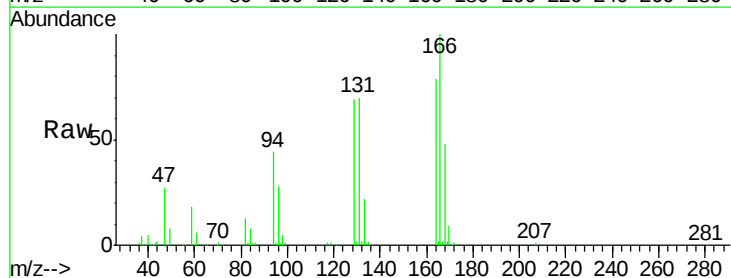
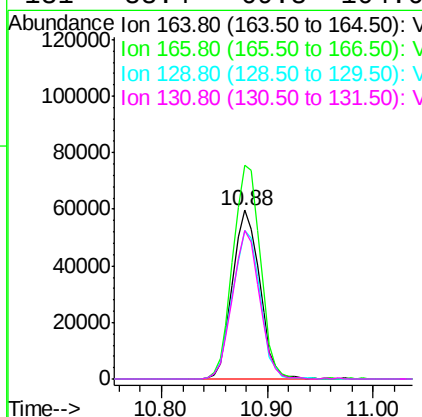
Manual Integrations
APPROVED

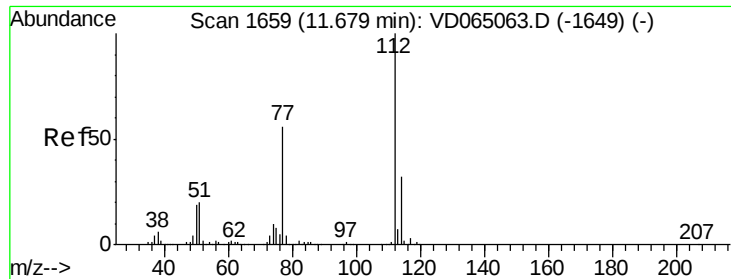
MMDadoda
2/6/2020 10:37:28 AM



#64
Tetrachloroethene
Concen: 20.250 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	106500		
166	126.8	103.5	155.3	
129	87.9	73.3	109.9	
131	88.4	69.8	104.6	





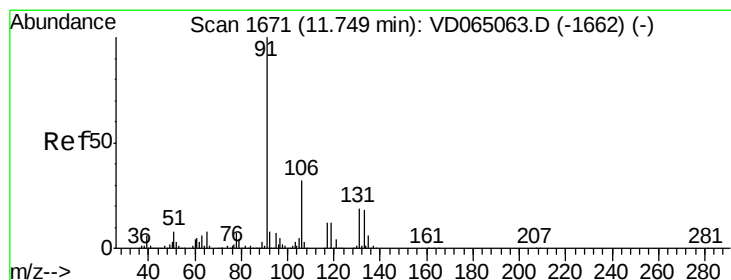
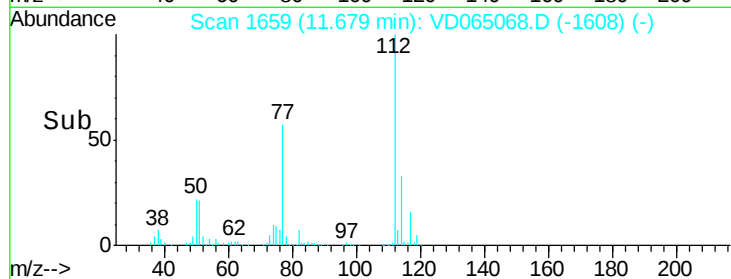
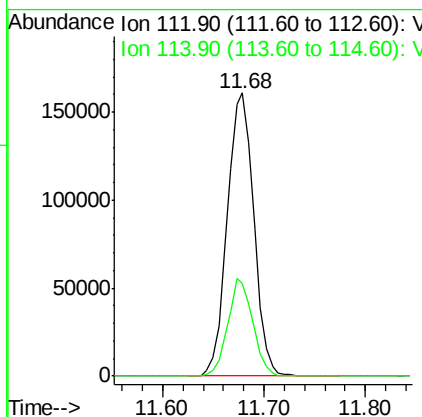
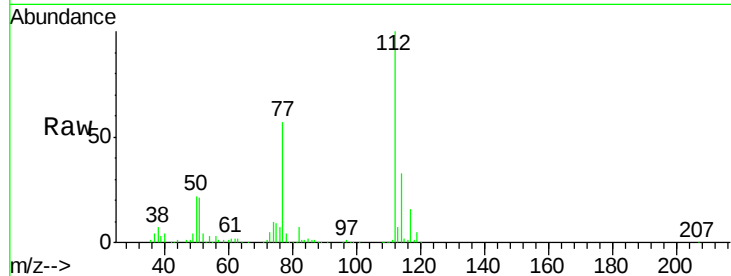
#65
Chlorobenzene
Concen: 20.620 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	291915		
114	32.8	25.4	38.0	

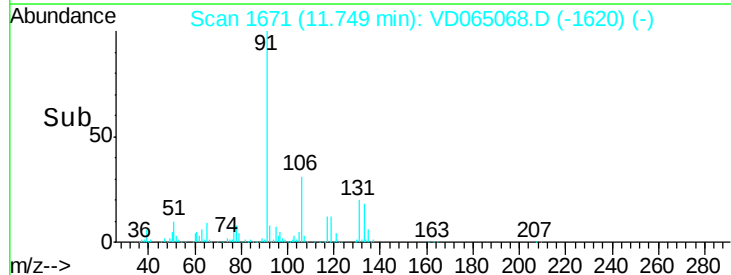
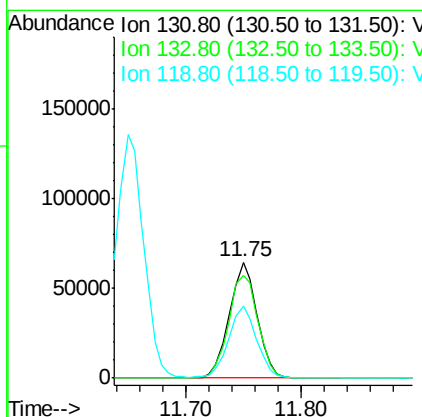
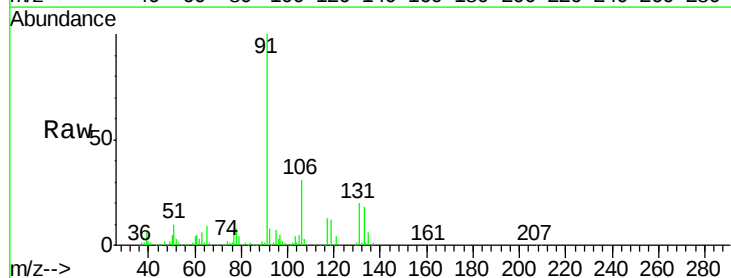
Manual Integrations
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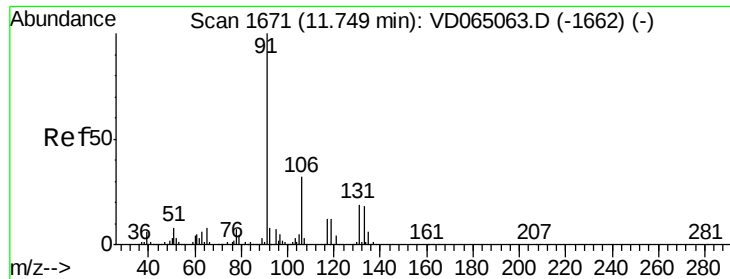
MMDadoda
2/6/2020 10:37:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.649 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	107891		
133	94.9	47.7	143.1	
119	63.1	31.3	93.8	





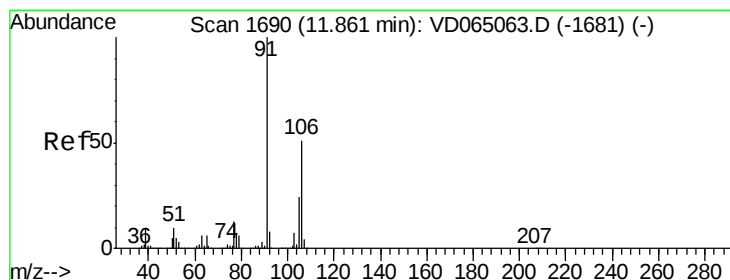
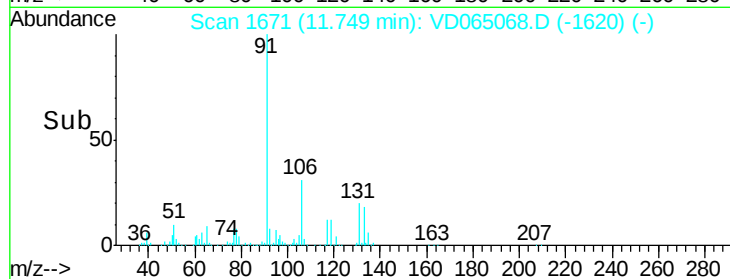
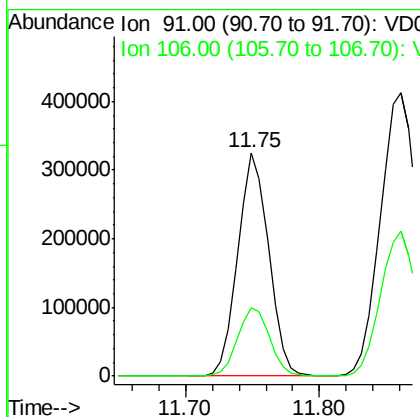
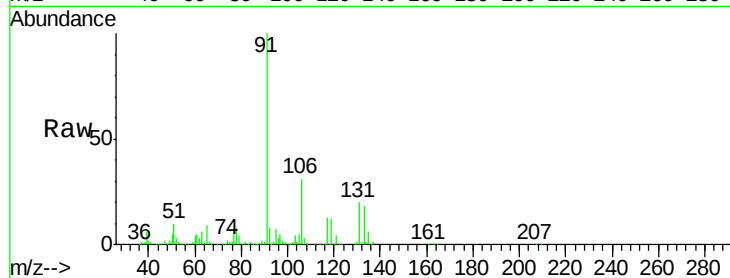
#67
Ethyl Benzene
Concen: 20.313 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.4	38.2

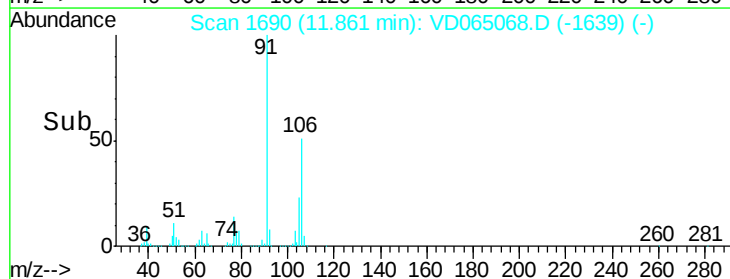
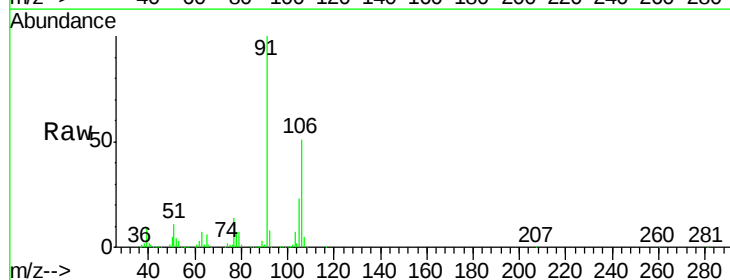
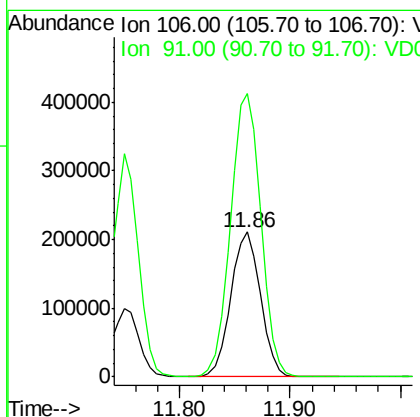
Manual Integrations
APPROVED

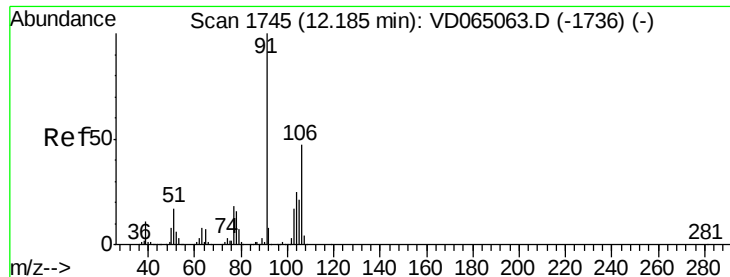
MMDadoda
2/6/2020 10:37:28 AM



#68
m/p-Xylenes
Concen: 40.530 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.2	158.9	238.3





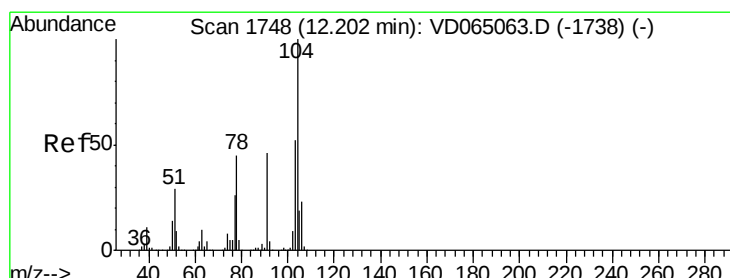
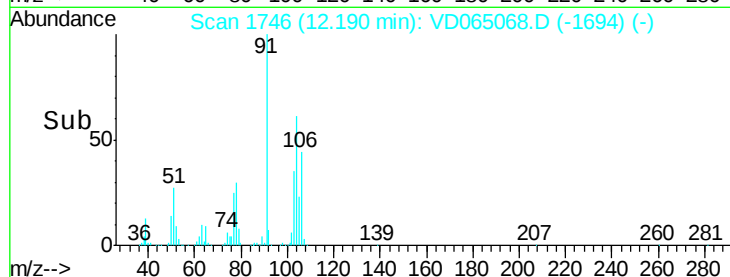
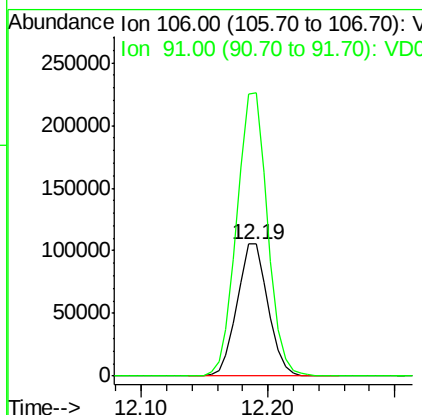
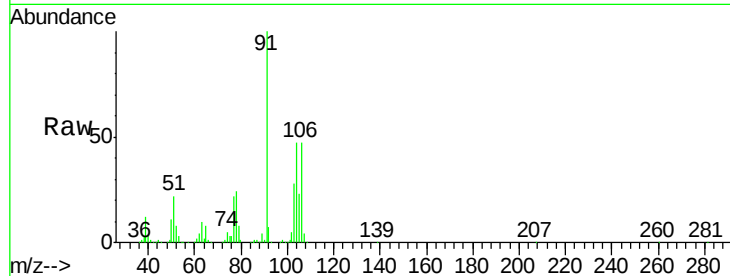
#69
o-Xylene
Concen: 20.146 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.8	104.7	313.9	

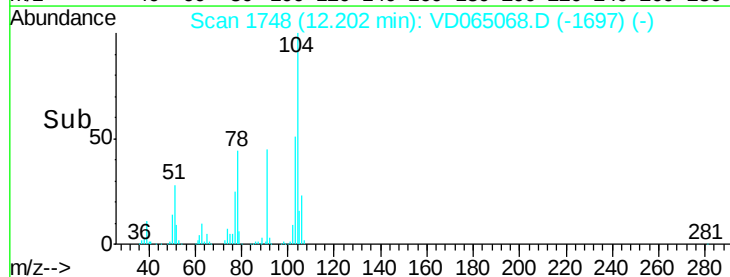
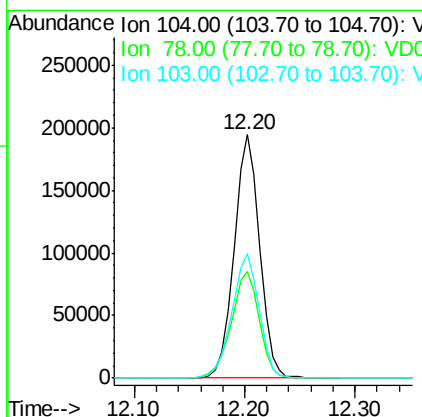
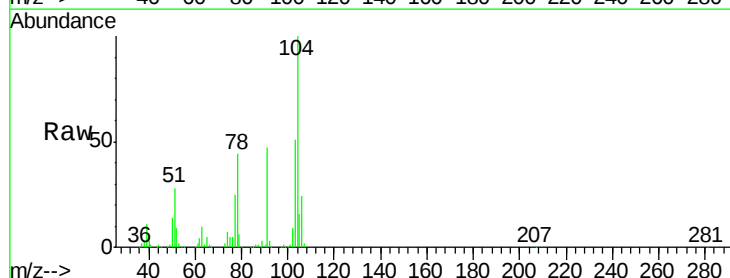
Manual Integrations
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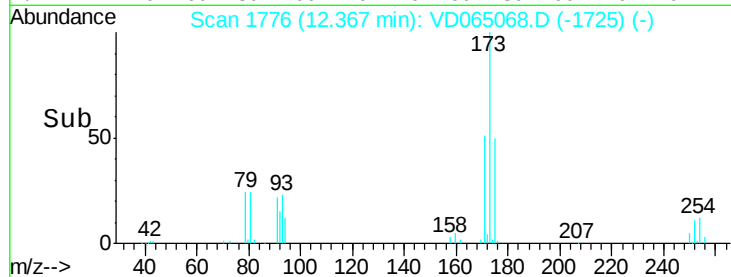
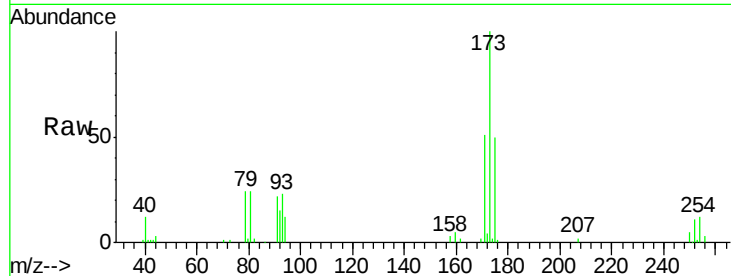
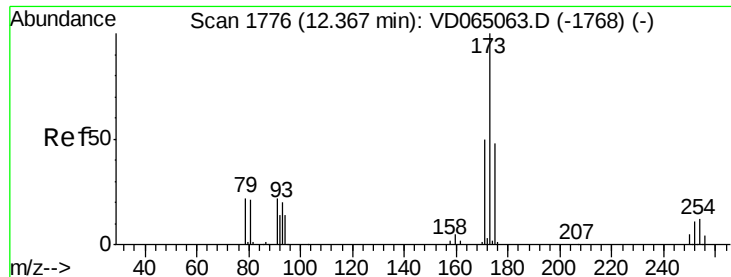
MMDadoda
2/6/2020 10:37:28 AM



#70
Styrene
Concen: 20.527 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.9	38.5	57.7	
103	54.7	43.8	65.8	





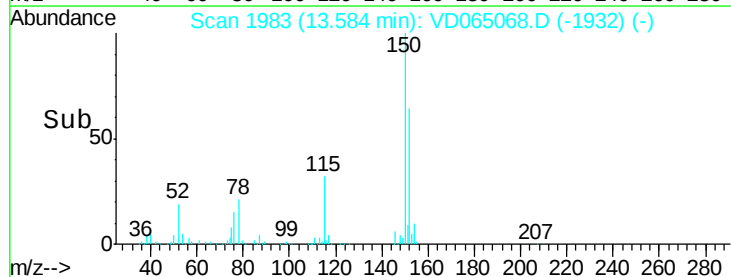
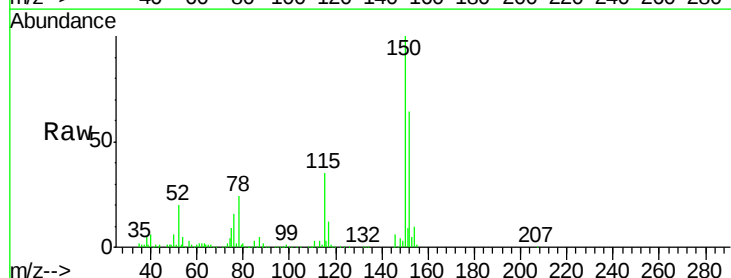
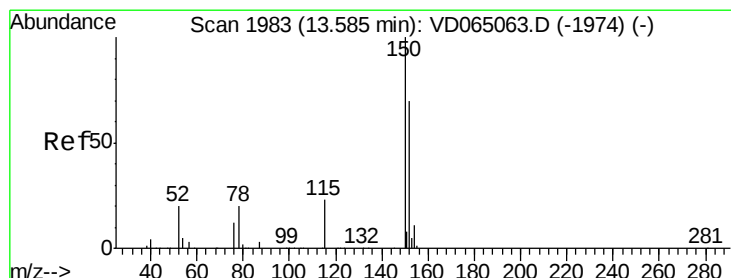
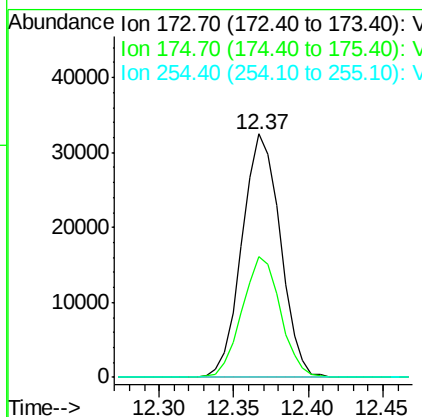
#71
Bromoform
Concen: 20.477 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.3	72.8
254	0.0	0.1	0.1#

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

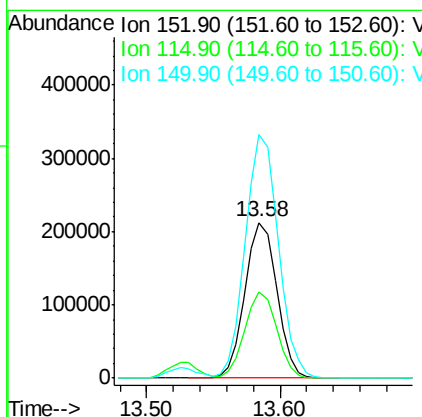
Manual Integrations
APPROVED

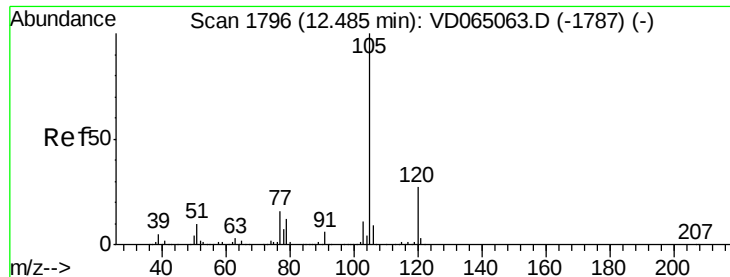
MMDadoda
2/6/2020 10:37:28 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.5	82.4
150	162.0	0.0	343.2





#73

Isopropylbenzene

Concen: 20.034 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 105 Resp: 484206

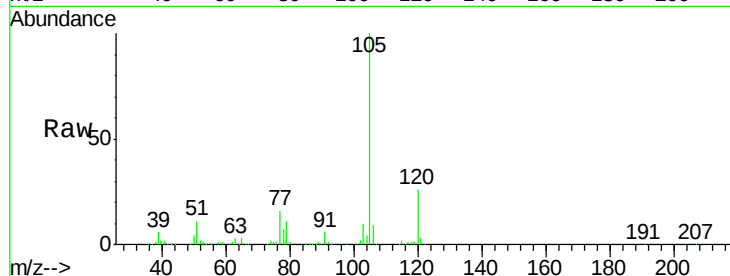
Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9

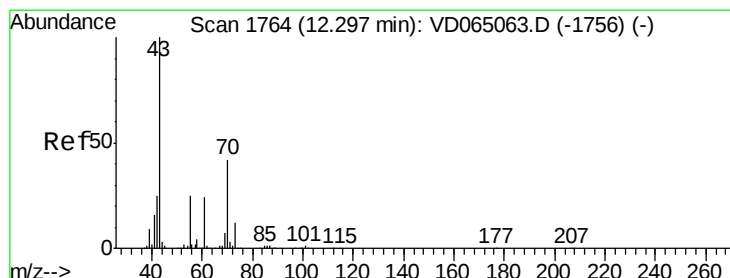
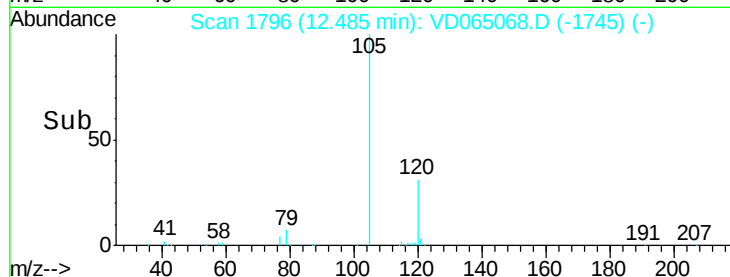
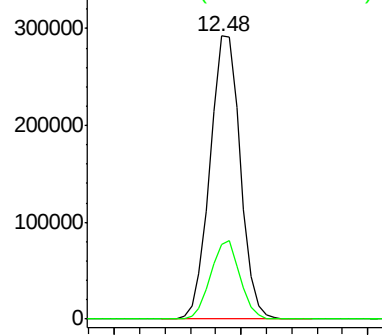
Manual Integrations
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2/6/2020 10:37:28 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.283 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Tgt Ion: 43 Resp: 106555

Ion Ratio Lower Upper

43 100

70 41.0 33.5 50.3

55 24.3 19.4 29.2

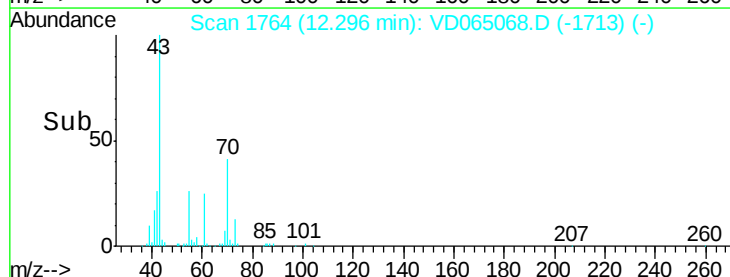
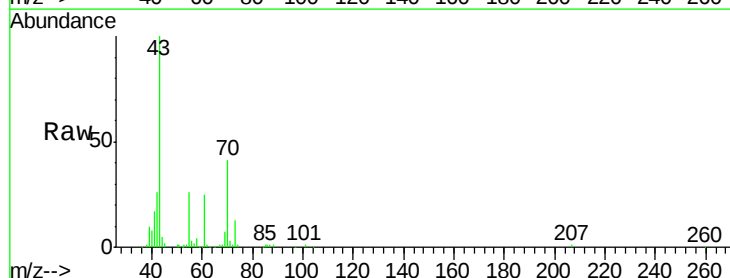
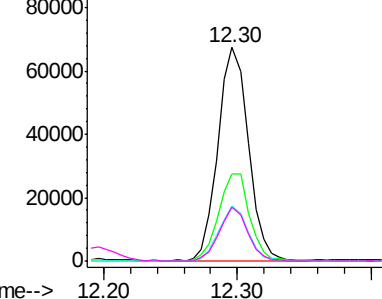
61 23.4 18.6 28.0

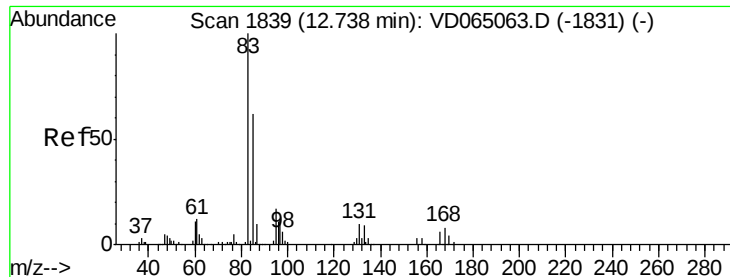
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.665 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

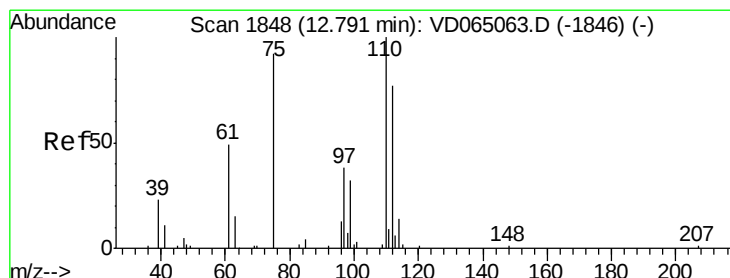
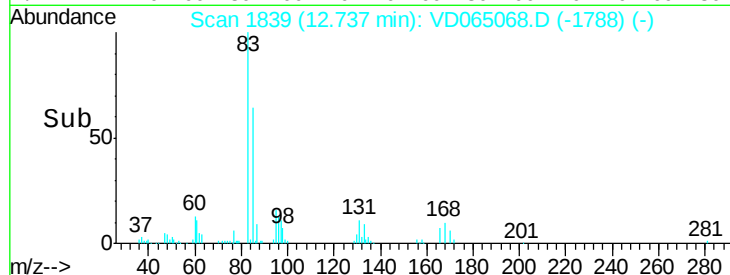
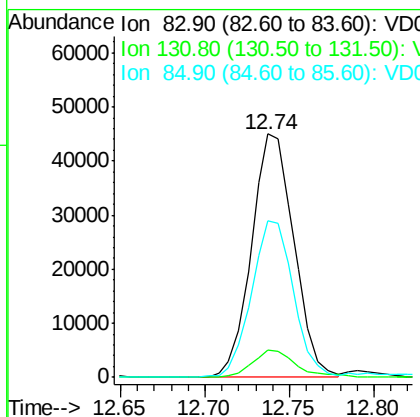
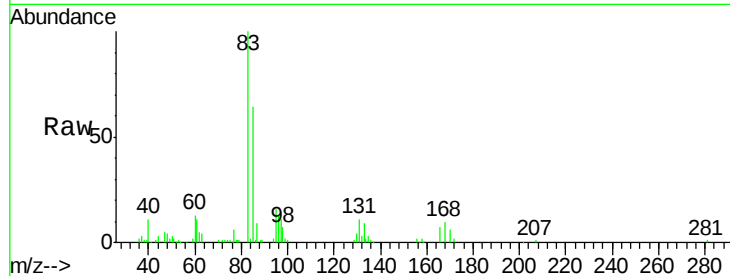
ClientSampleId :

VD0205SBS01

Tot Ion:	83	Resp:	78608
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.4
85	63.7	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.483 ug/l m

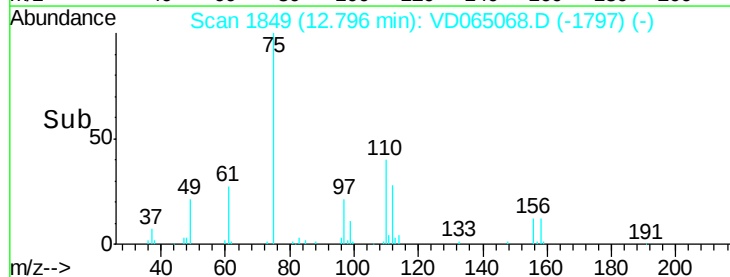
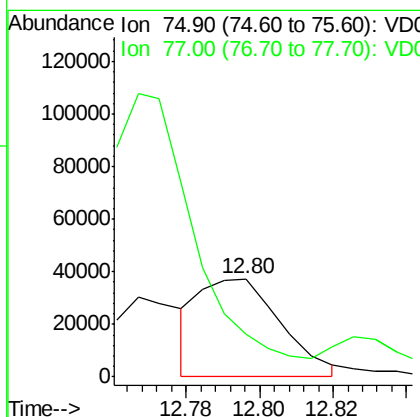
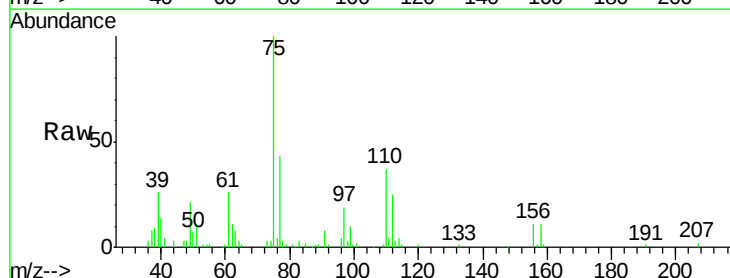
RT: 12.80 min Scan# 1849

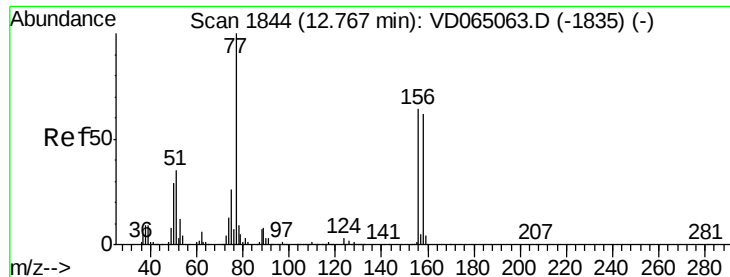
Delta R.T. 0.01 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Tgt Ion:	75	Resp:	57276
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.050 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

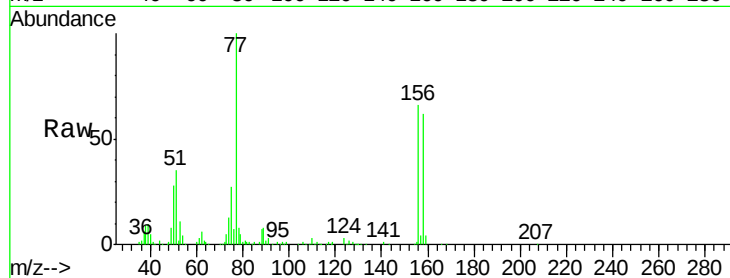
ClientSampleId :

VD0205SBS01

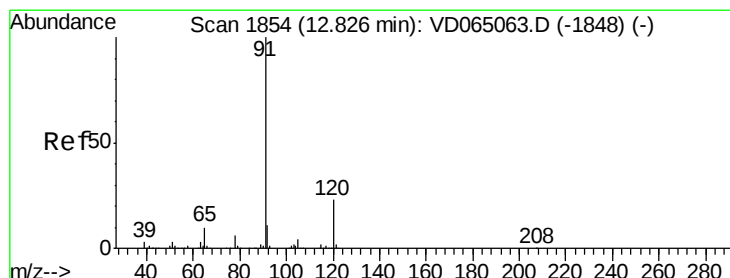
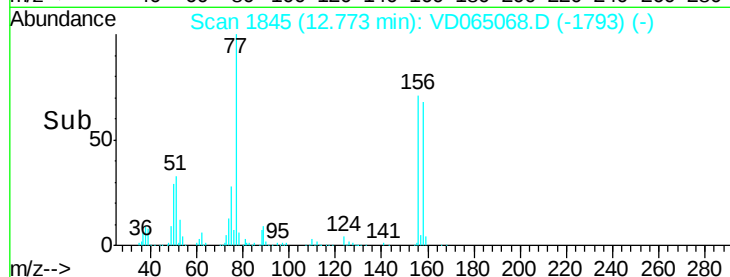
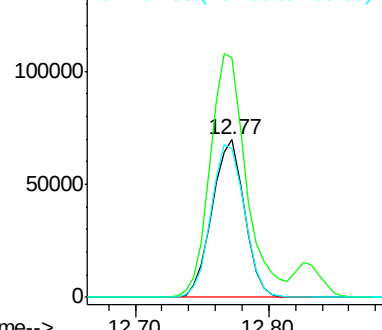
Tot Ion:	156	Resp:	116753
Ion Ratio	Lower	Upper	
156	100		
77	173.2	85.6	256.8
158	100.5	47.4	142.2

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.603 ug/l

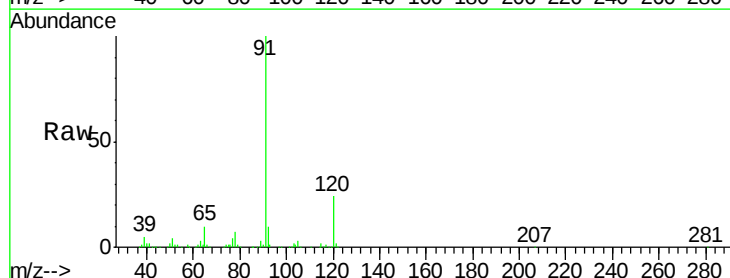
RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

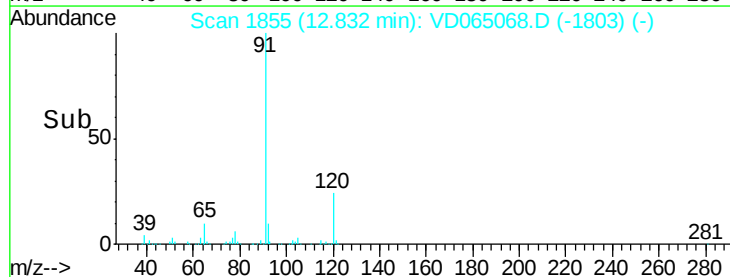
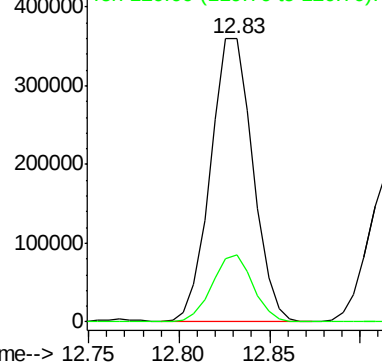
Lab File: VD065068.D

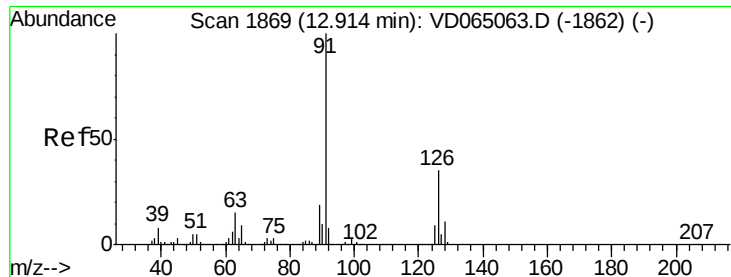
Acq: 05 Feb 2020 17:14

Tgt Ion:	91	Resp:	583164
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.404 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 91 Resp: 321916

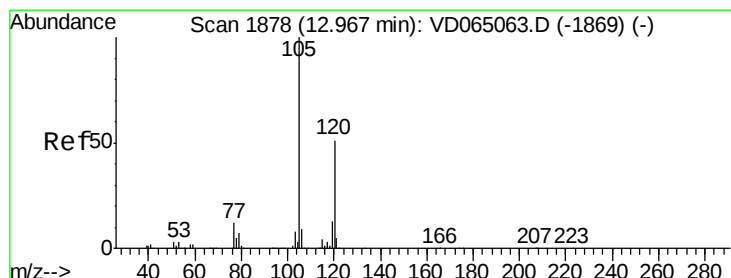
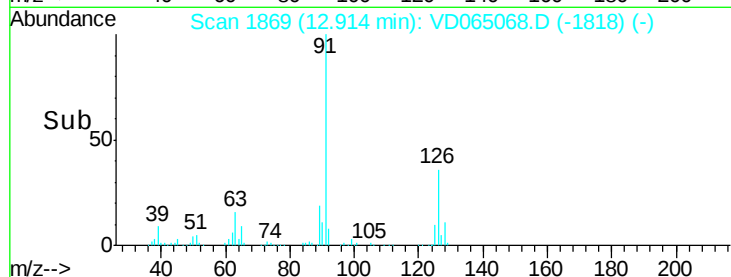
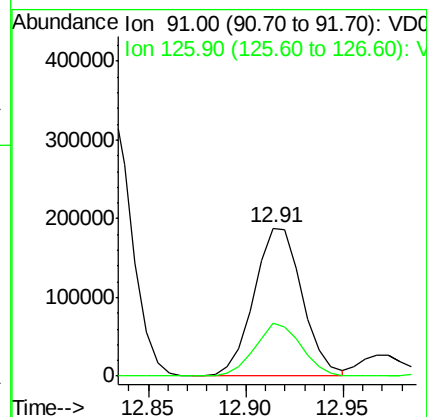
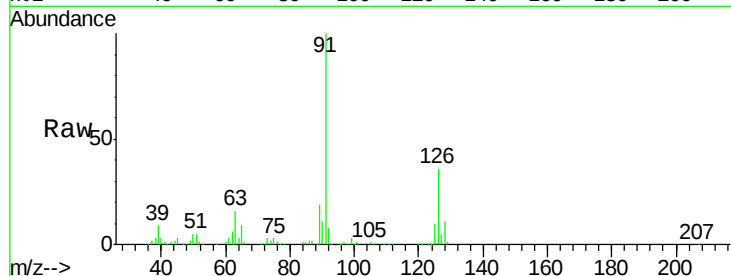
Ion Ratio Lower Upper

91 100

126 34.4 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 20.529 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065068.D

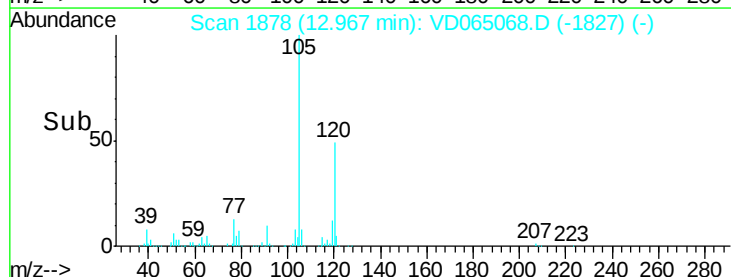
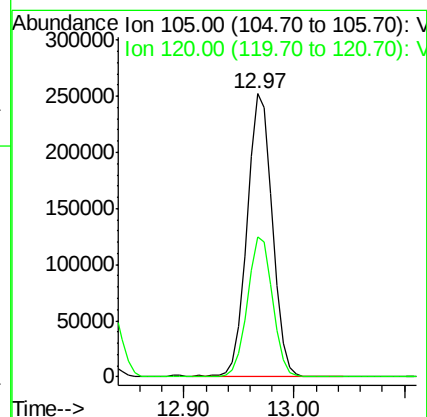
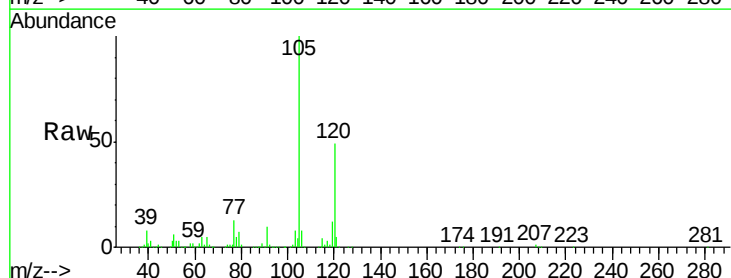
Acq: 05 Feb 2020 17:14

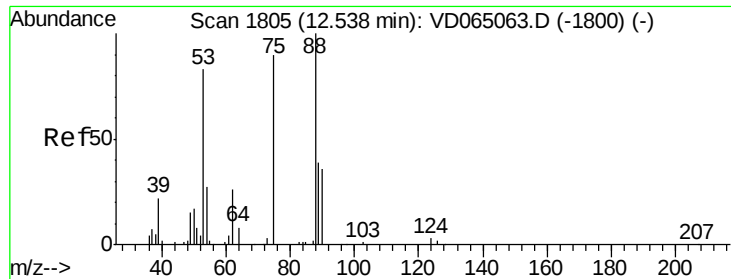
Tgt Ion: 105 Resp: 405928

Ion Ratio Lower Upper

105 100

120 49.1 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.495 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

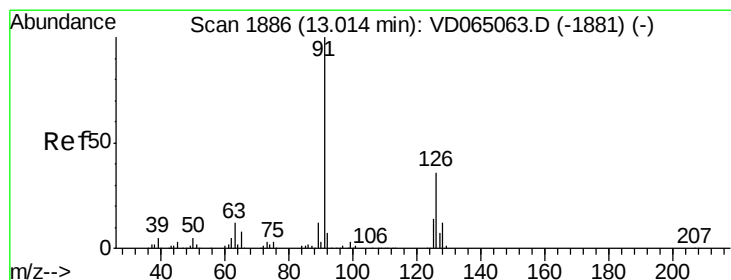
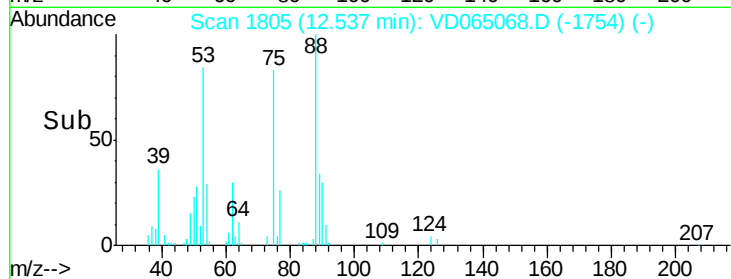
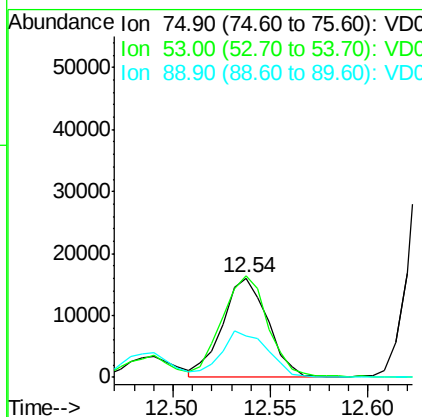
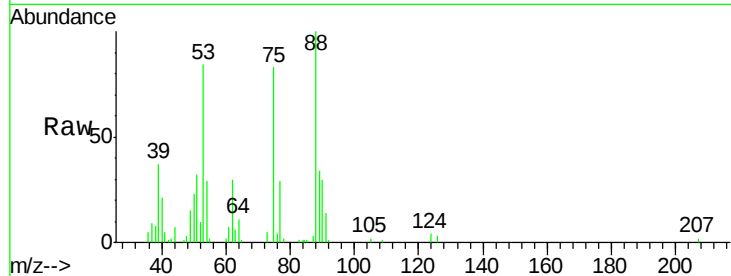
ClientSampleId :

VD0205SBS01

Tot Ion:	75	Resp:	25989
Ion	Ratio	Lower	Upper
75	100		
53	104.0	78.5	117.7
89	47.6	37.0	55.4

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#82

4-Chlorotoluene

Concen: 20.606 ug/l

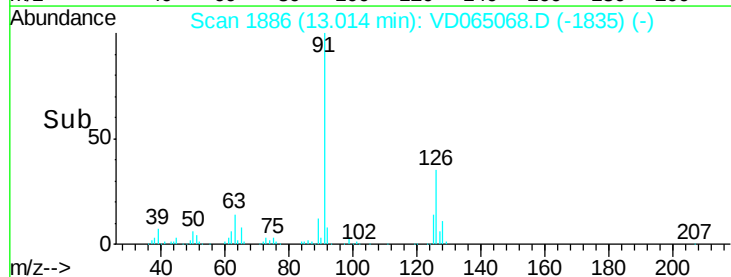
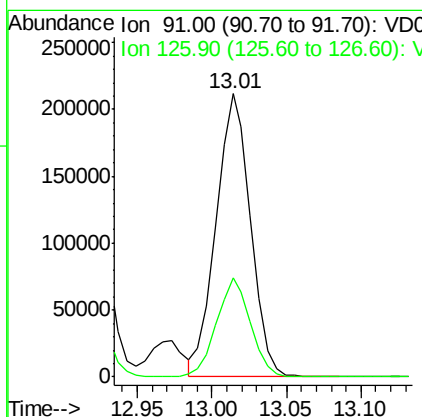
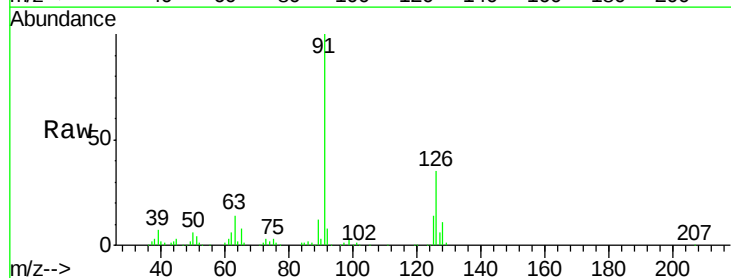
RT: 13.01 min Scan# 1886

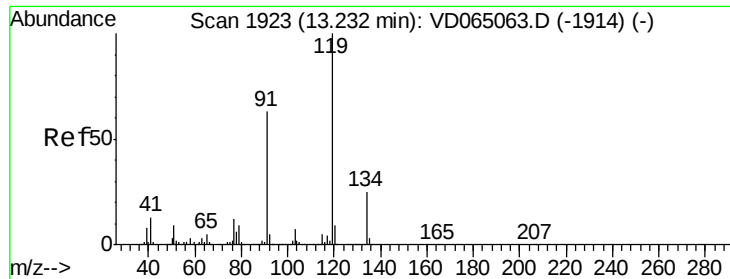
Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Tgt Ion:	91	Resp:	341436
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.5	52.5





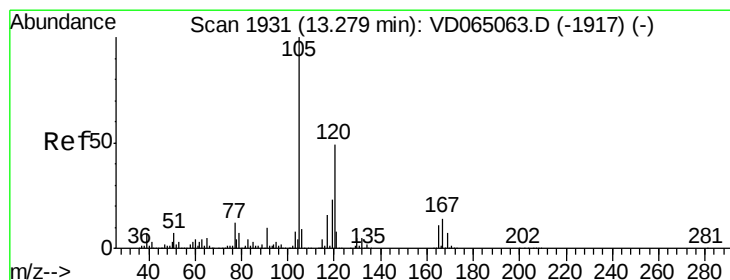
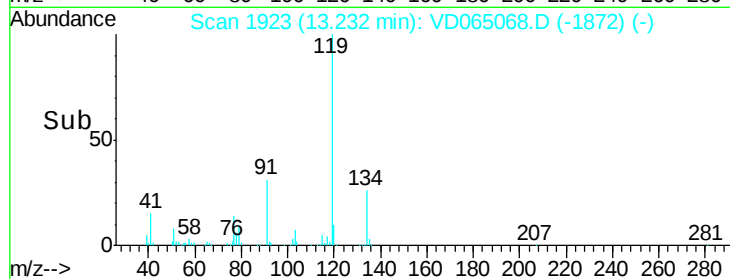
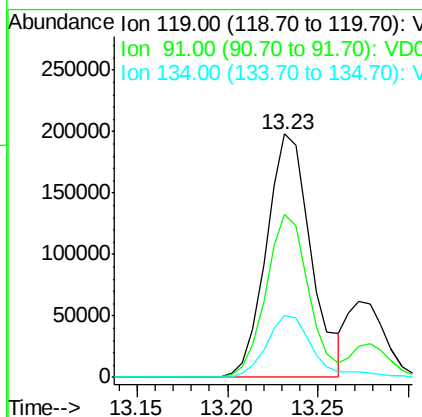
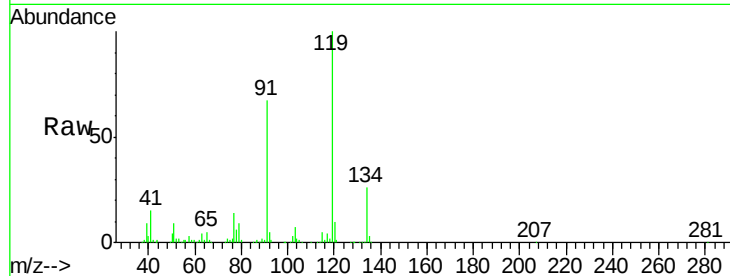
#83
tert-Butylbenzene
Concen: 19.943 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.3	96.9
134	26.8	13.8	41.3

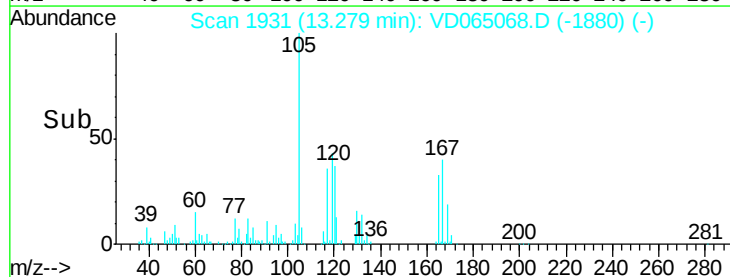
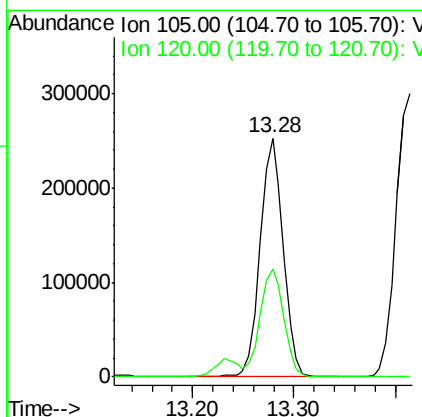
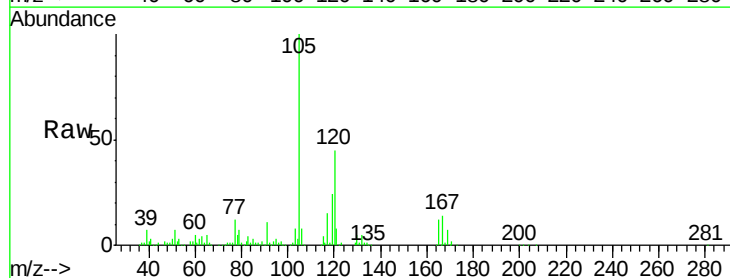
Manual Integrations
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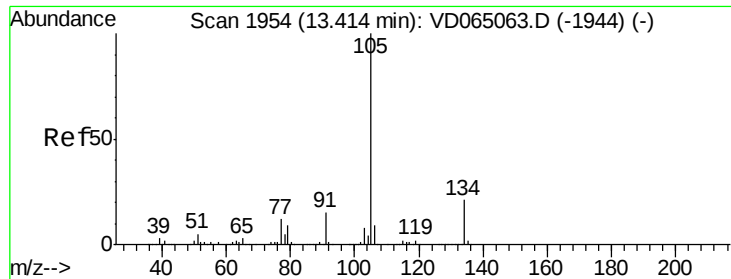
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.217 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.5	70.5





#85

sec-Butylbenzene

Concen: 20.137 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion:105 Resp: 469177

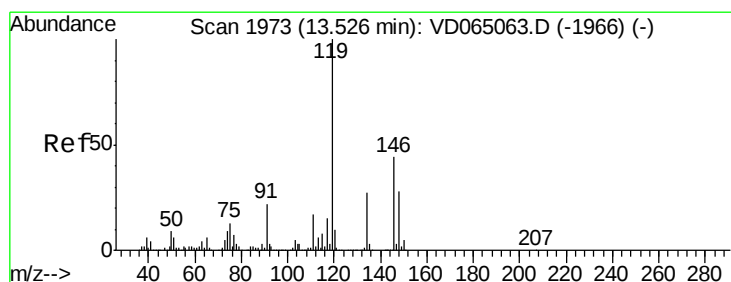
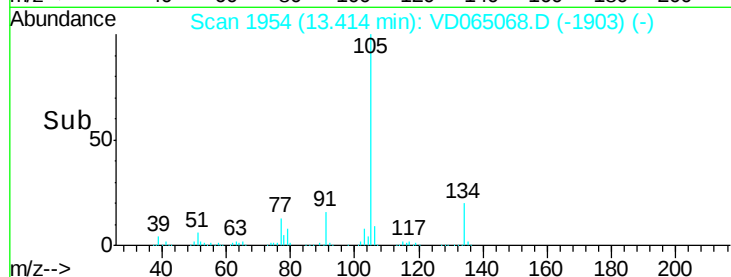
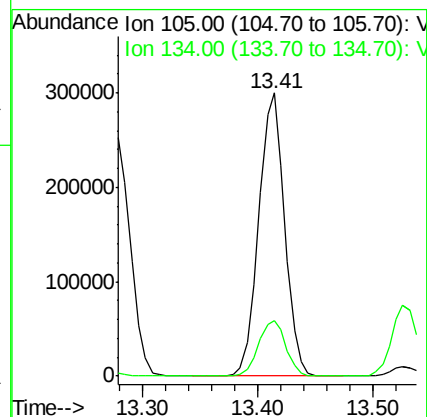
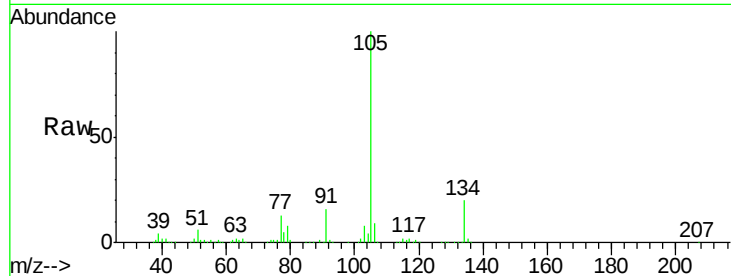
Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 20.150 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

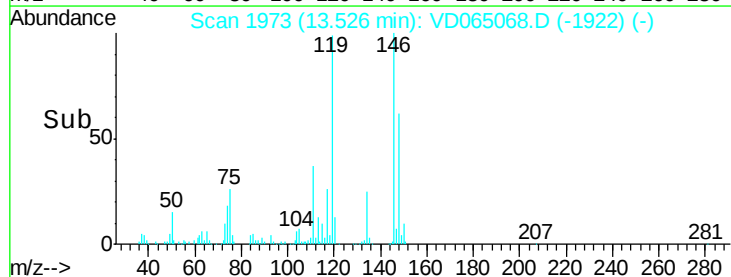
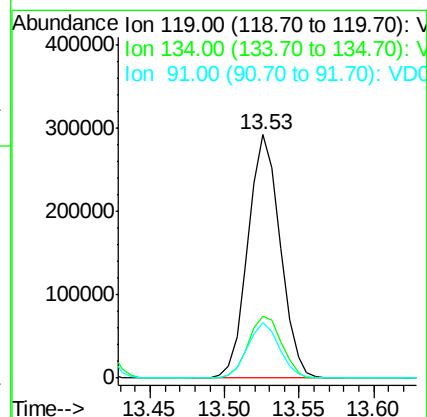
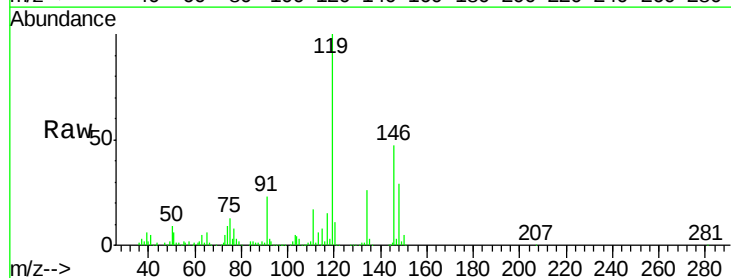
Tgt Ion:119 Resp: 436205

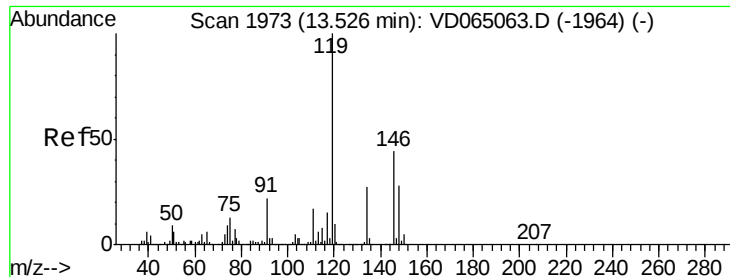
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

91 22.8 11.3 33.9





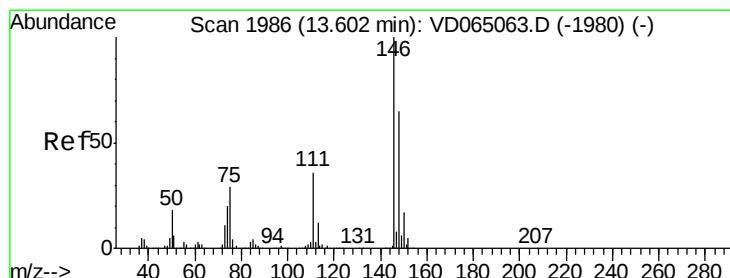
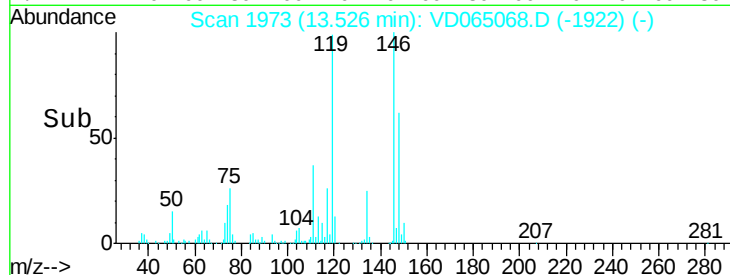
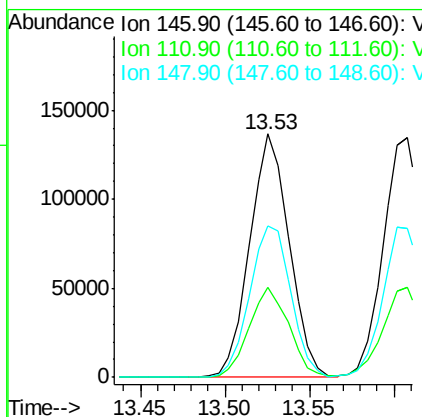
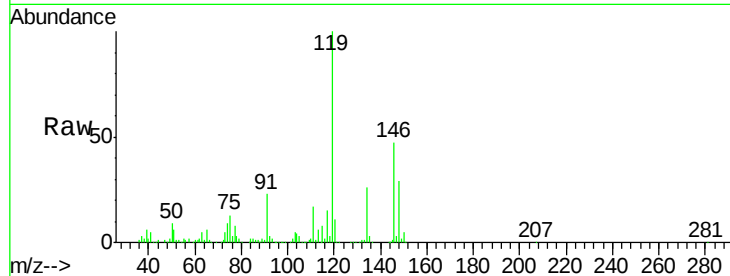
#87
 1,3-Dichlorobenzene
 Concen: 20.428 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.4	58.4
148	64.8	32.3	96.8

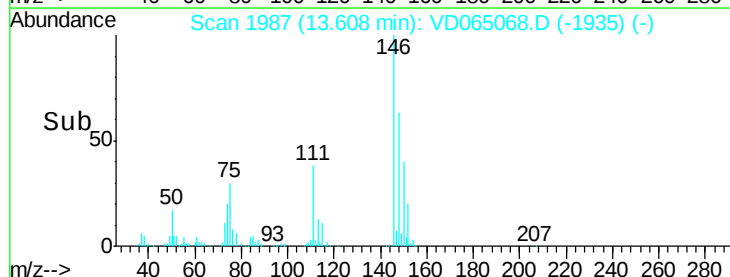
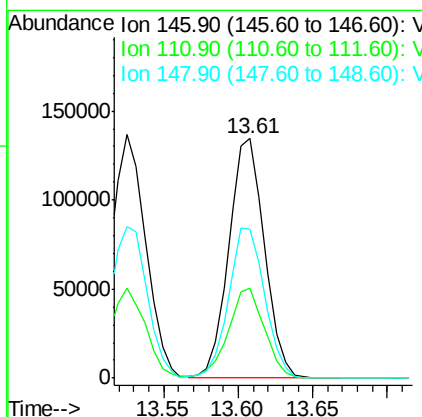
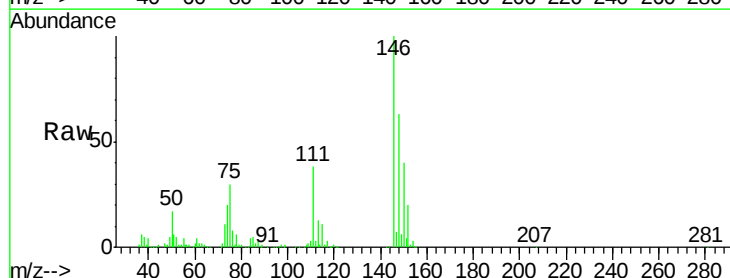
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 20.653 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.5	55.5
148	63.6	32.7	98.1





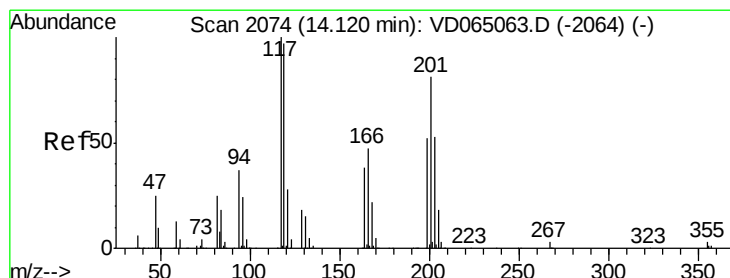
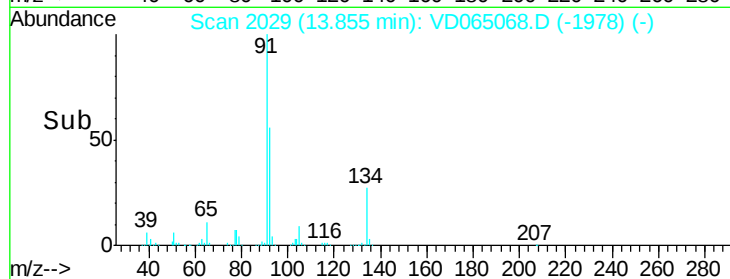
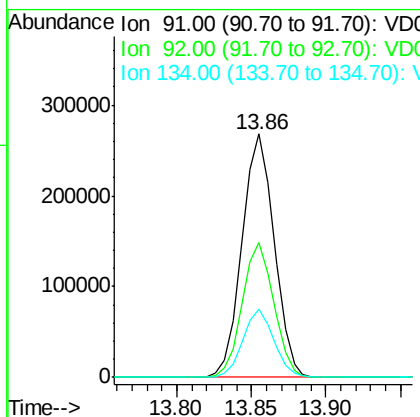
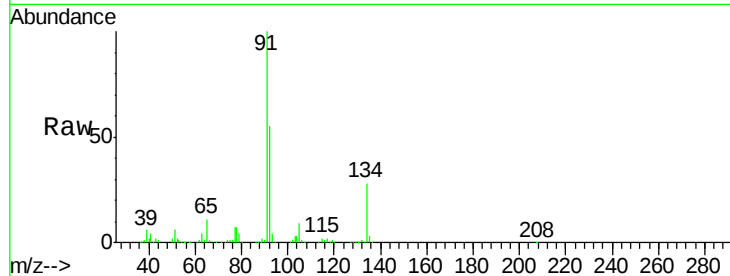
#89
n-Butylbenzene
Concen: 20.048 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.7	80.1
134	27.1	13.4	40.2

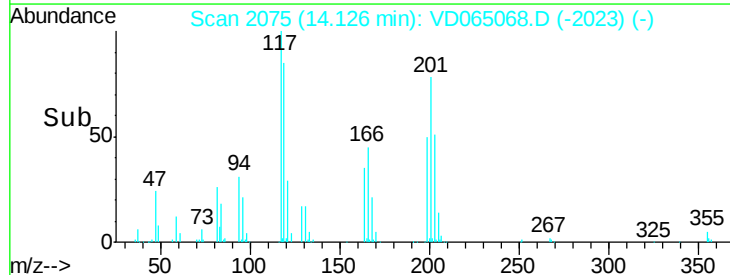
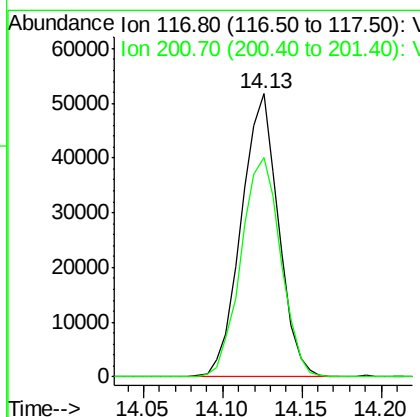
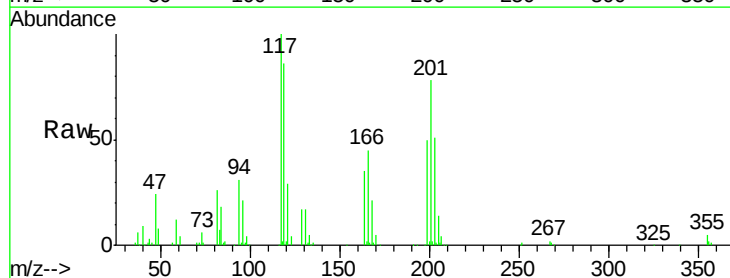
Manual Integrations
APPROVED

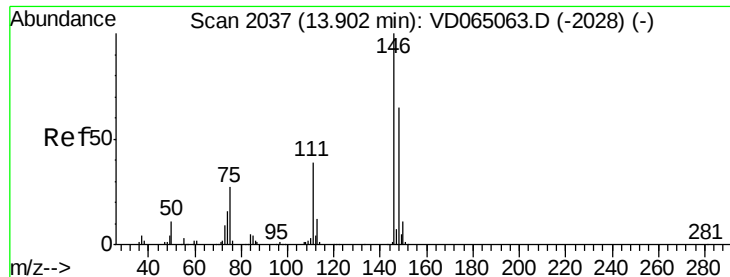
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#90
Hexachloroethane
Concen: 20.582 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065068.D
Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	42.5	127.6





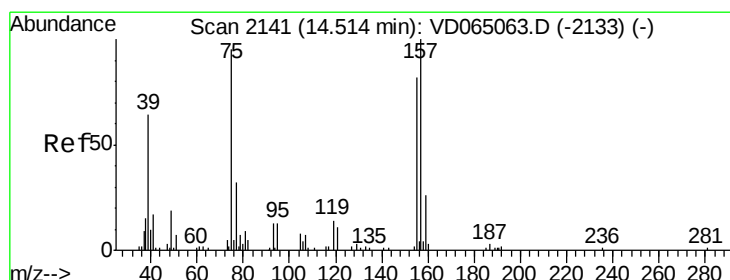
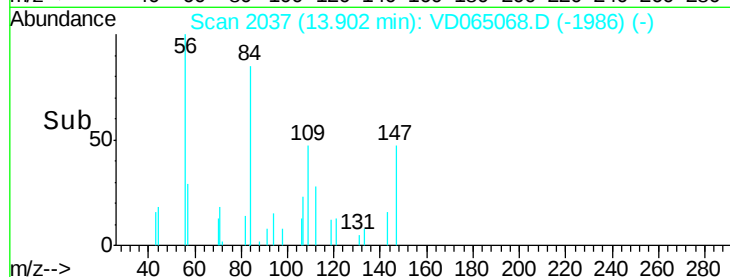
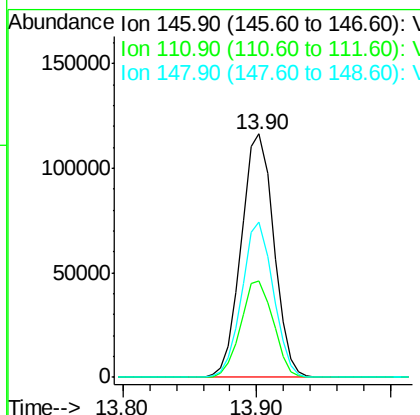
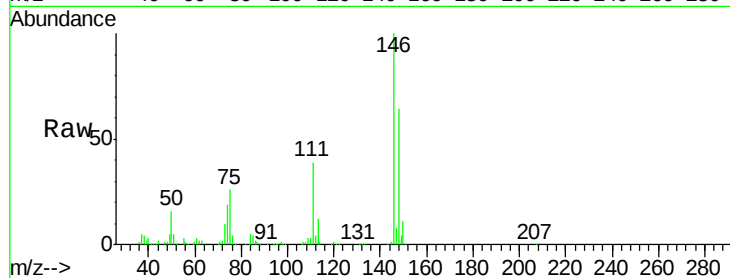
#91
 1,2-Dichlorobenzene
 Concen: 21.036 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	196445		
111	39.4	19.7	59.1	
148	61.6	31.9	95.5	

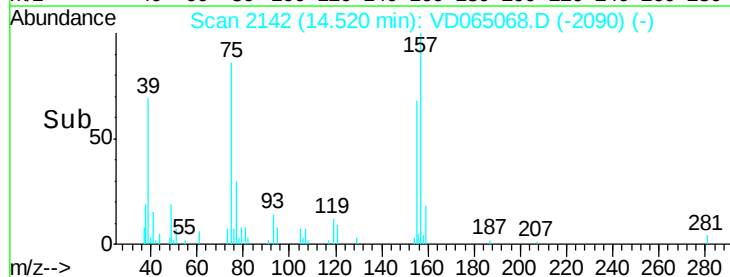
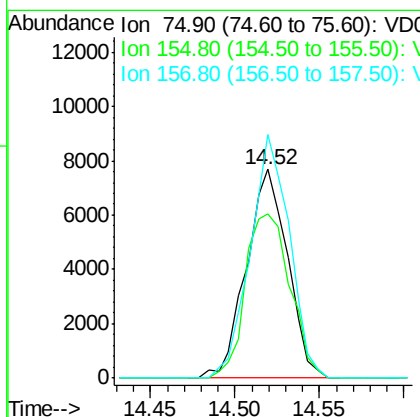
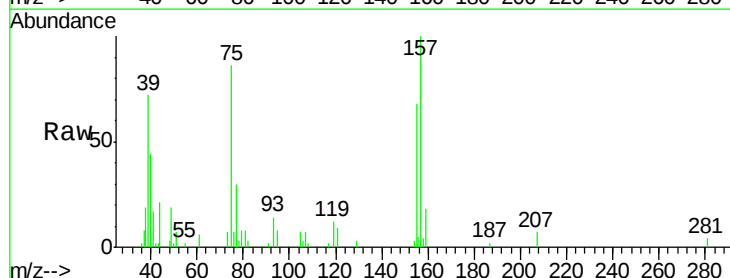
Manual Integrations
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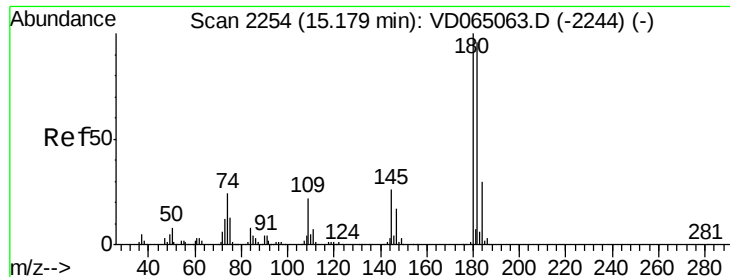
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.932 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12998		
155	85.9	43.4	130.1	
157	111.2	55.8	167.3	





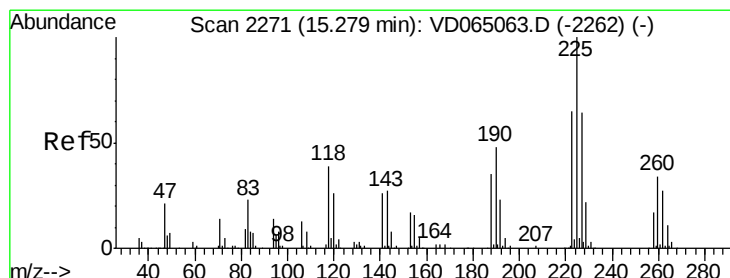
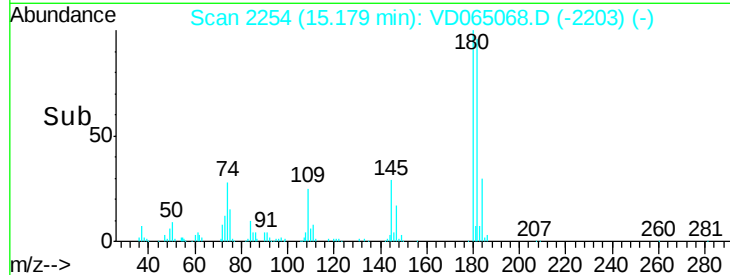
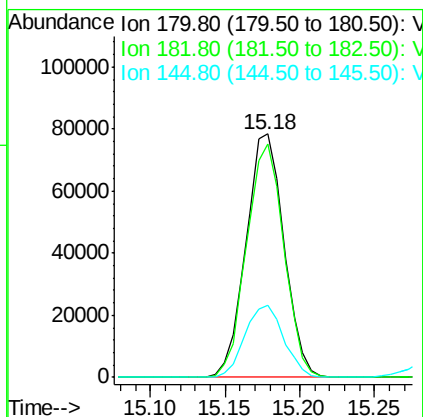
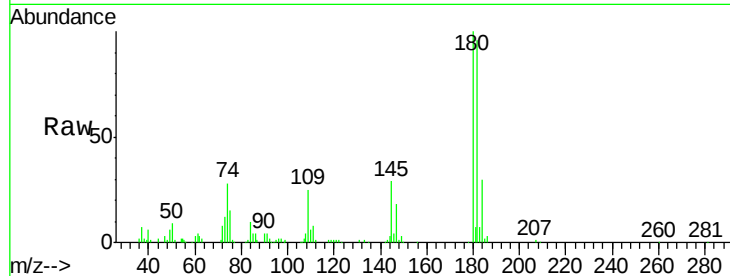
#93
 1,2,4-Trichlorobenzene
 Concen: 20.645 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137798		
182	94.3	47.4	142.3	
145	30.2	14.1	42.4	

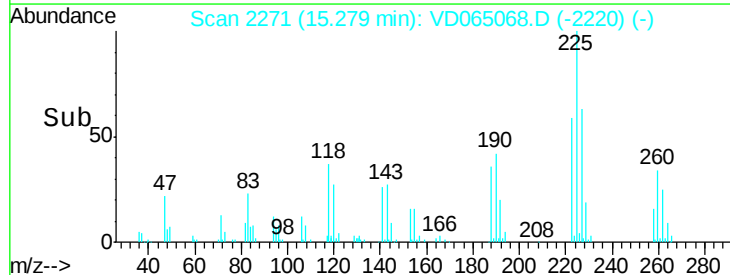
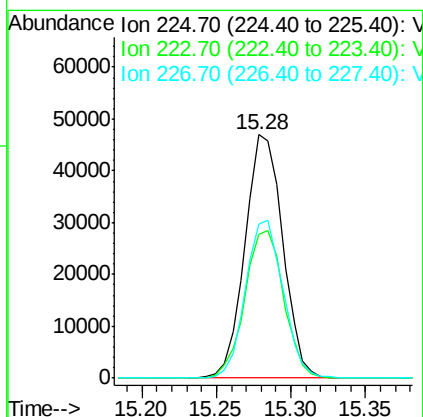
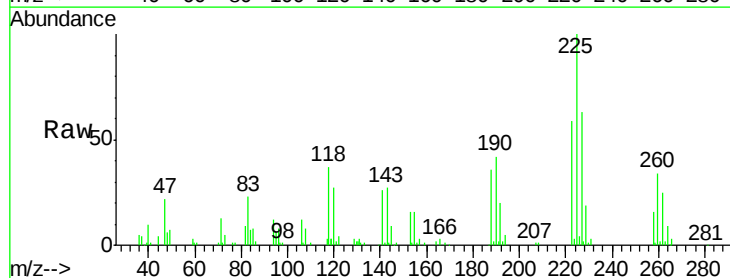
Manual Integrations
 APPROVED

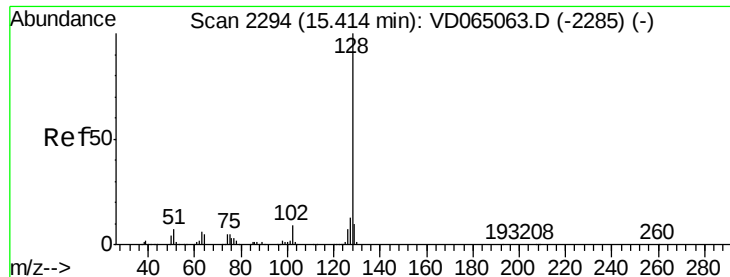
MMDadoda
 2/6/2020 10:37:28 AM



#94
 Hexachlorobutadiene
 Concen: 20.030 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065068.D
 Acq: 05 Feb 2020 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82204		
223	62.2	31.4	94.0	
227	64.3	31.8	95.3	





#95

Naphthalene

Concen: 19.831 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Instrument :

MSVOA_D

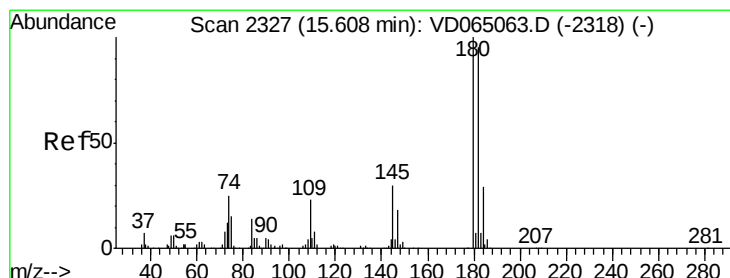
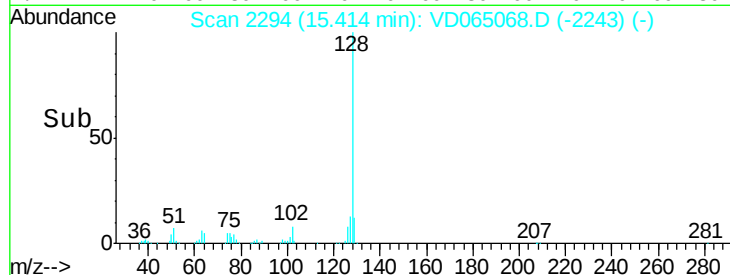
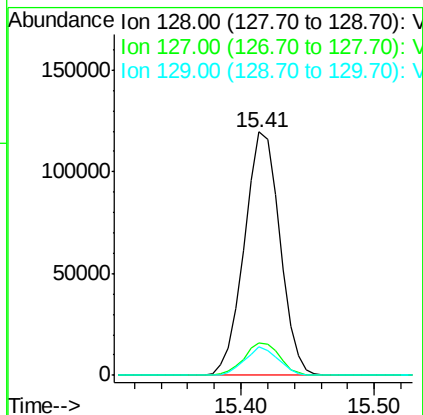
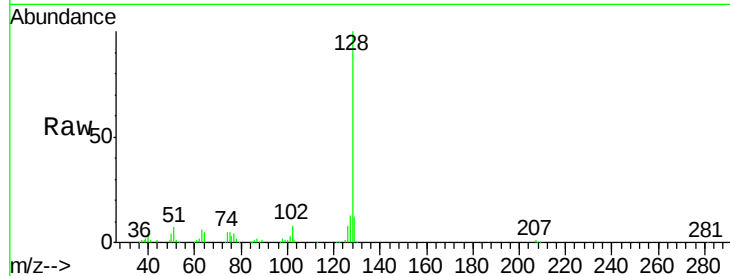
ClientSampleId :

VD0205SBS01

Tot Ion:	128	Resp:	220003
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.461 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065068.D

Acq: 05 Feb 2020 17:14

Tgt Ion:	180	Resp:	116816
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.1	141.4
145	30.4	14.9	44.9

