

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065102.D
 Acq On : 07 Feb 2020 11:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 5:39:59 PM

Quant Time: Feb 08 00:13:14 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	478248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	688118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	617750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	300925	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	213149	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
35) Dibromofluoromethane	7.92	113	212797	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	
50) Toluene-d8	10.34	98	838825	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	
62) 4-Bromofluorobenzene	12.64	95	261700	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	205526	51.642	ug/l	100
3) Chloromethane	2.21	50	250533	53.477	ug/l	96
4) Vinyl Chloride	2.35	62	272302	54.959	ug/l	98
5) Bromomethane	2.77	94	163959	51.037	ug/l	99
6) Chloroethane	2.93	64	165897	53.979	ug/l	96
7) Trichlorofluoromethane	3.27	101	388569	53.890	ug/l	98
8) Diethyl Ether	3.71	74	101420	48.997	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	223230	50.643	ug/l	98
10) Methyl Iodide	4.30	142	247027	49.100	ug/l	98
11) Tert butyl alcohol	5.25	59	55508	223.509	ug/l	99
12) 1,1-Dichloroethene	4.06	96	208145	49.305	ug/l	98
13) Acrolein	3.92	56	76715	251.145	ug/l	95
14) Allyl chloride	4.71	41	348025	49.603	ug/l	99
15) Acrylonitrile	5.43	53	228478	252.473	ug/l	100
16) Acetone	4.17	43	256029	251.936	ug/l	100
17) Carbon Disulfide	4.40	76	694245	51.219	ug/l	97
18) Methyl Acetate	4.72	43	105109	49.504	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	456995	48.953	ug/l	98
20) Methylene Chloride	4.96	84	228653	51.193	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	241017	50.462	ug/l	96
22) Diisopropyl ether	6.37	45	680741	51.438	ug/l	98
23) Vinyl Acetate	6.31	43	1967832	266.771	ug/l	98
24) 1,1-Dichloroethane	6.27	63	405452	50.615	ug/l	98
25) 2-Butanone	7.23	43	313214	258.378	ug/l	97
26) 2,2-Dichloropropane	7.21	77	371300	51.713	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	254756	50.207	ug/l	100
28) Bromochloromethane	7.55	49	163708	53.913	ug/l	98
29) Tetrahydrofuran	7.57	42	189779	258.879	ug/l	97
30) Chloroform	7.71	83	410765	51.500	ug/l	94
31) Cyclohexane	7.98	56	391292	48.391	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	383004	51.549	ug/l	100
36) 1,1-Dichloropropene	8.11	75	344798	53.887	ug/l	99
37) Ethyl Acetate	7.30	43	135185	51.716	ug/l	99
38) Carbon Tetrachloride	8.10	117	348170	53.278	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	411089	52.051	ug/l	97
40) Benzene	8.36	78	928164	52.530	ug/l	100
41) Methacrylonitrile	7.53	41	85754	59.547	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	259831	51.609	ug/l	99
43) Isopropyl Acetate	8.46	43	255950	51.186	ug/l	100
44) Trichloroethene	9.12	130	254908	50.261	ug/l	99
45) 1,2-Dichloropropane	9.39	63	224974	53.105	ug/l	98
46) Dibromomethane	9.48	93	117571	52.814	ug/l	97
47) Bromodichloromethane	9.67	83	311951	53.183	ug/l	98
48) Methyl methacrylate	9.46	41	122426	50.880	ug/l	98
49) 1,4-Dioxane	9.47	88	27119	1028.531	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	653036	265.324	ug/l	100
52) Toluene	10.41	92	602911	53.463	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	303104	53.074	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	361796	52.969	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	158308	51.846	ug/l	98
56) Ethyl methacrylate	10.67	69	200777	51.968	ug/l	98
57) 1,3-Dichloropropane	10.96	76	280680	52.276	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	312493	250.368	ug/l	98
59) 2-Hexanone	10.99	43	480025	275.342	ug/l	100
60) Dibromochloromethane	11.15	129	209981	53.093	ug/l	99
61) 1,2-Dibromoethane	11.26	107	155646	52.168	ug/l	99
64) Tetrachloroethene	10.88	164	217585	49.018	ug/l	97
65) Chlorobenzene	11.68	112	613990	51.387	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	228784	51.880	ug/l	98
67) Ethyl Benzene	11.76	91	1139485	52.492	ug/l	99
68) m/p-Xylenes	11.86	106	882130	106.470	ug/l	99
69) o-Xylene	12.19	106	385858	51.717	ug/l	98
70) Styrene	12.20	104	696123	53.683	ug/l	99
71) Bromoform	12.37	173	122242	51.501	ug/l #	98
73) Isopropylbenzene	12.49	105	1064224	51.525	ug/l	100
74) N-amyl acetate	12.30	43	230972	51.449	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	170355	52.406	ug/l	99
76) 1,2,3-Trichloropropane	12.80	75	102129m	44.826	ug/l	
77) Bromobenzene	12.77	156	248516	49.940	ug/l	99
78) n-propylbenzene	12.83	91	1274715	52.700	ug/l	99
79) 2-Chlorotoluene	12.92	91	684307	50.754	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	867543	51.342	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	58701	51.528	ug/l	97
82) 4-Chlorotoluene	13.01	91	722875	51.050	ug/l	100
83) tert-Butylbenzene	13.24	119	742296	50.919	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	870163	51.871	ug/l	99
85) sec-Butylbenzene	13.41	105	1030087	51.736	ug/l	100
86) p-Isopropyltoluene	13.53	119	967995	52.326	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	484124	51.960	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	464990	50.143	ug/l	100
89) n-Butylbenzene	13.85	91	893878	52.351	ug/l	99
90) Hexachloroethane	14.13	117	180754	51.600	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	399842	50.102	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25946	48.895	ug/l	93

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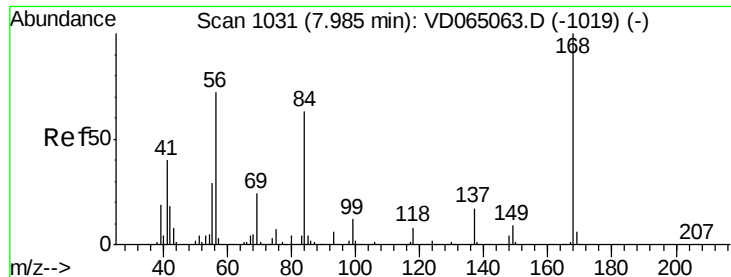
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	271306	47.565	ug/l	100
94) Hexachlorobutadiene	15.28	225	169070	48.206	ug/l	99
95) Naphthalene	15.42	128	452556	47.735	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	236981	48.572	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 478248

Ion Ratio Lower Upper

168 100

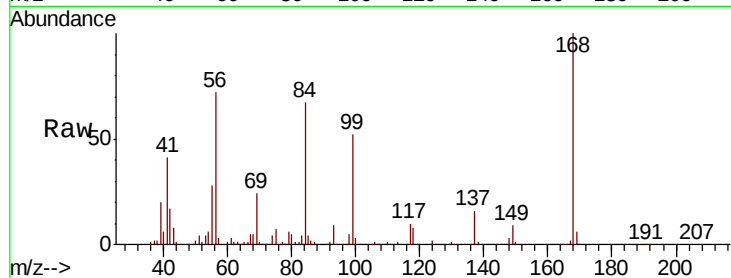
99 52.2 41.0 61.6

Manual Integrations

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2/10/2020 5:39:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

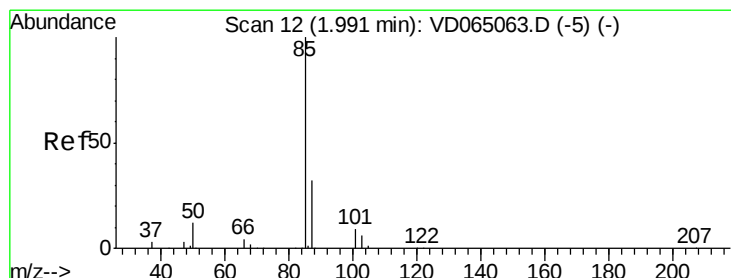
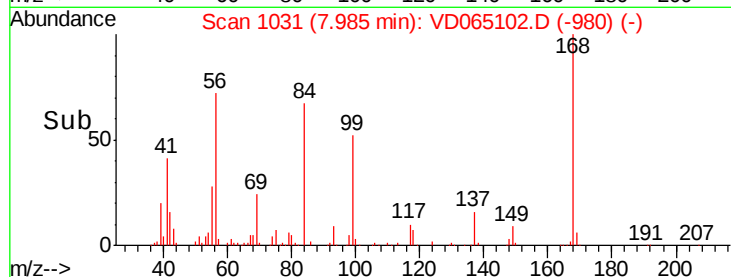
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.642 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065102.D

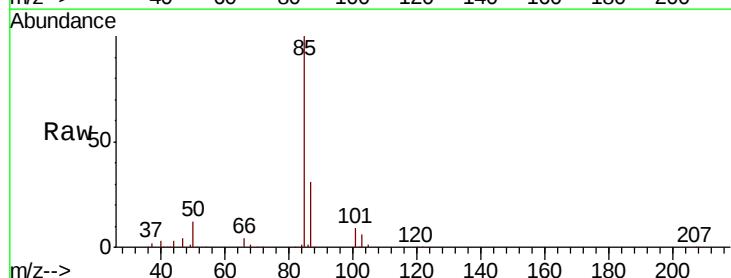
Acq: 07 Feb 2020 11:15

Tgt Ion: 85 Resp: 205526

Ion Ratio Lower Upper

85 100

87 31.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

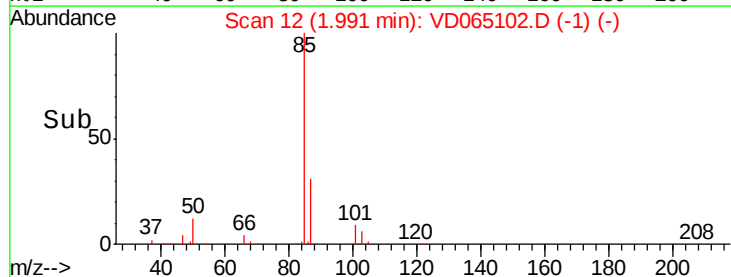
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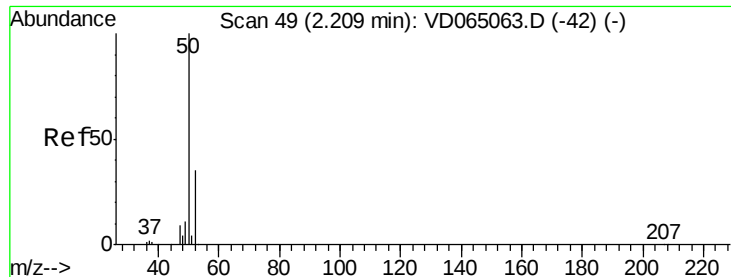
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 53.477 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 250533

Ion Ratio Lower Upper

50 100

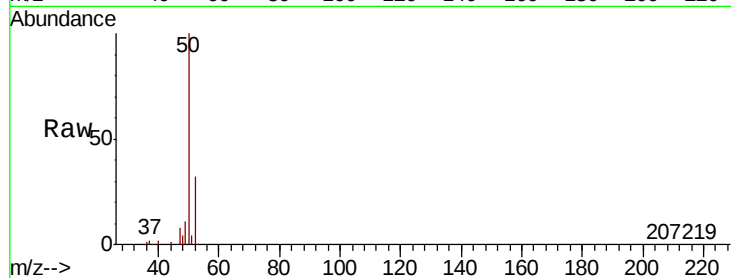
52 32.5 27.8 41.6

Manual Integrations

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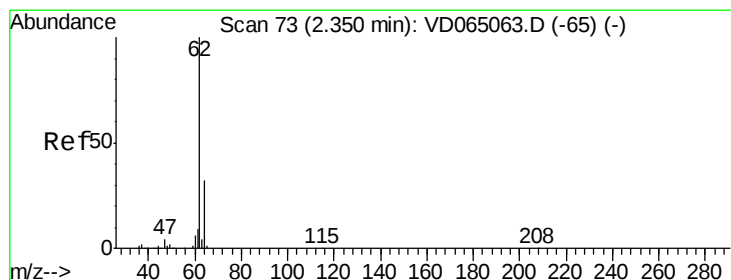
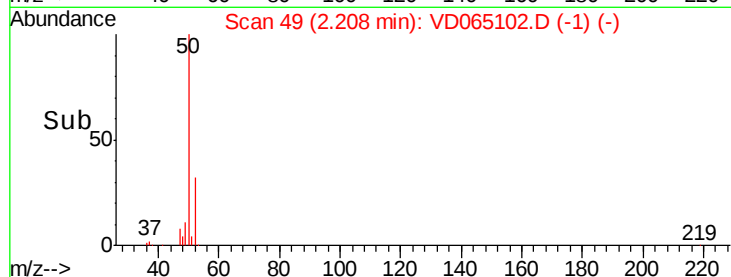
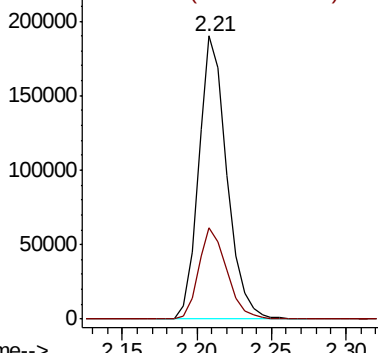
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.959 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065102.D

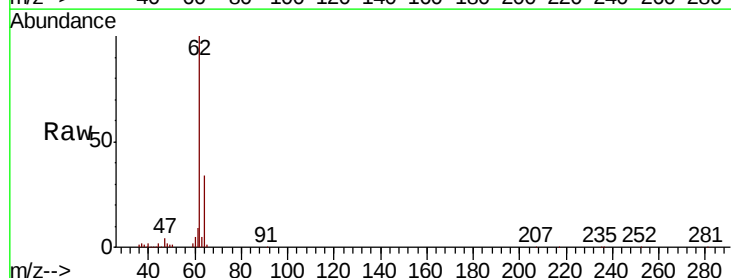
Acq: 07 Feb 2020 11:15

Tgt Ion: 62 Resp: 272302

Ion Ratio Lower Upper

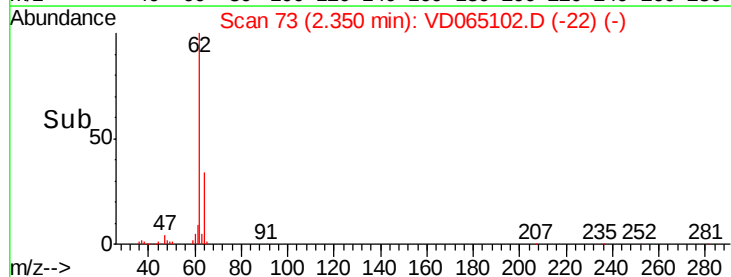
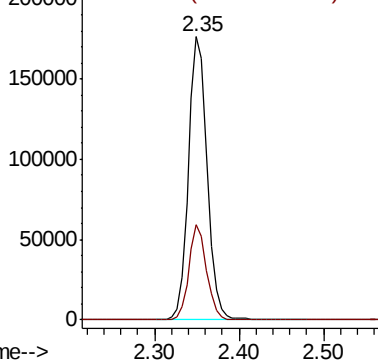
62 100

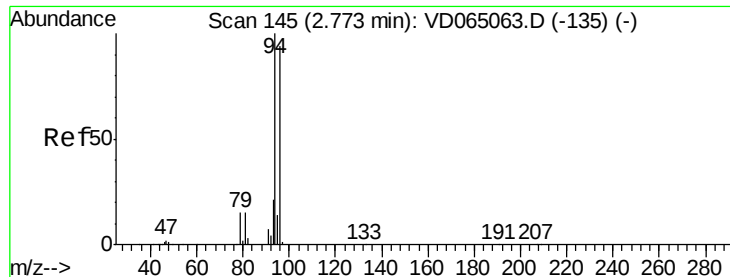
64 33.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 51.037 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 163959

Ion Ratio Lower Upper

94 100

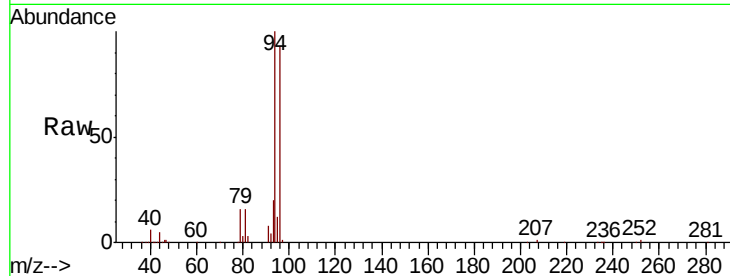
96 93.1 75.4 113.0

Manual Integrations

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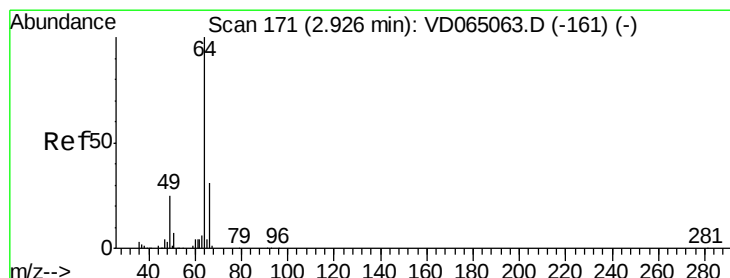
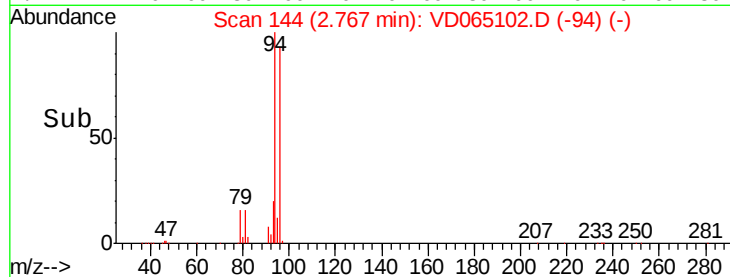
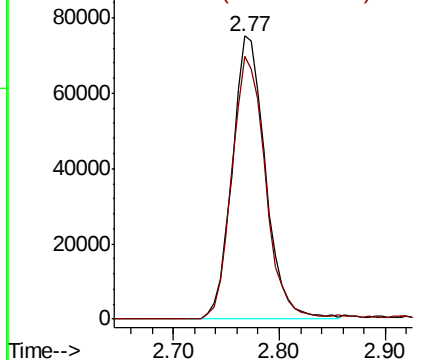
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.979 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065102.D

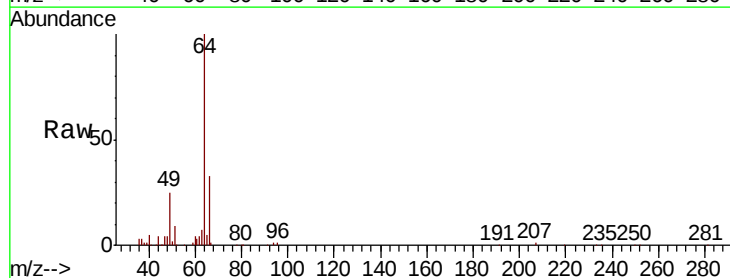
Acq: 07 Feb 2020 11:15

Tgt Ion: 64 Resp: 165897

Ion Ratio Lower Upper

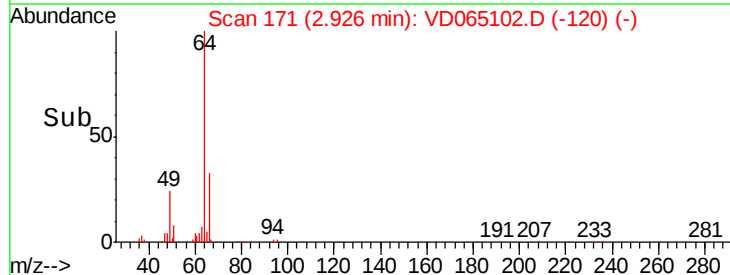
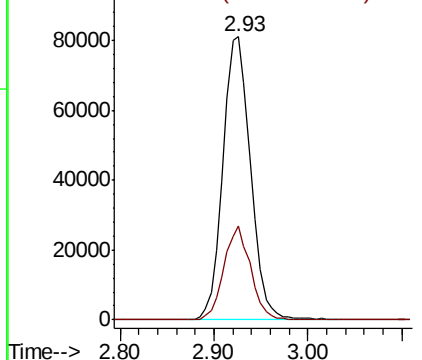
64 100

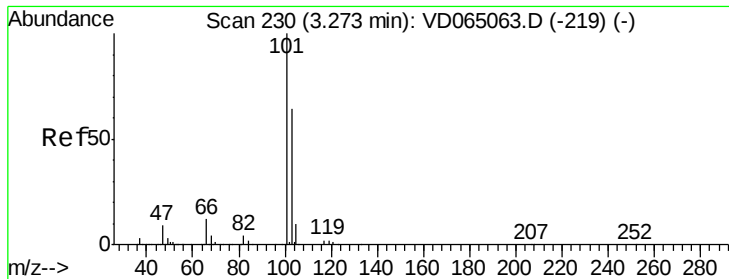
66 33.0 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 53.890 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.00 min

Lab File: VD065102.D

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Tot Ion:101 Resp: 388569

Ion Ratio Lower Upper

101 100

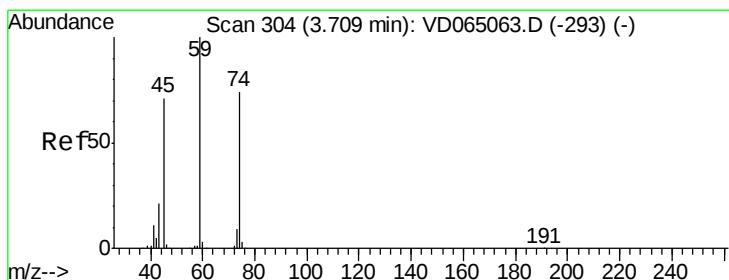
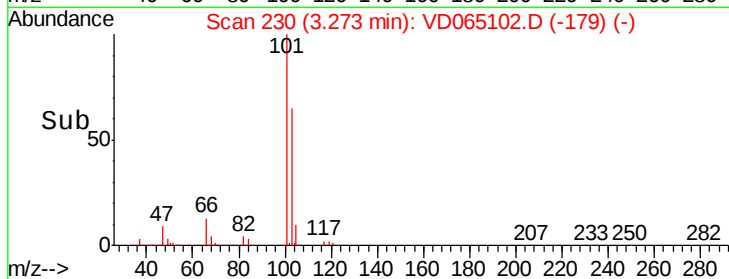
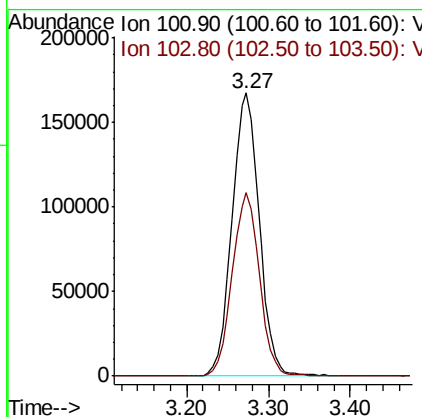
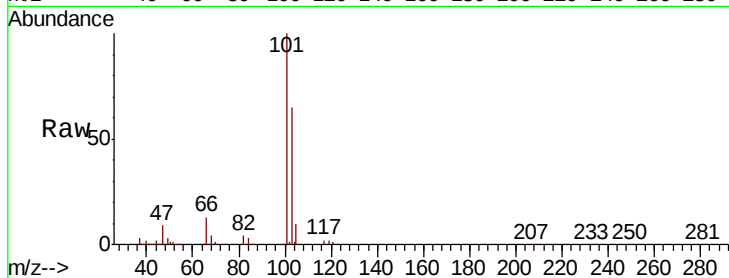
103 65.1 51.0 76.6

Manual Integrations

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2/10/2020 5:39:59 PM



#8

Diethyl Ether

Concen: 48.997 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD065102.D

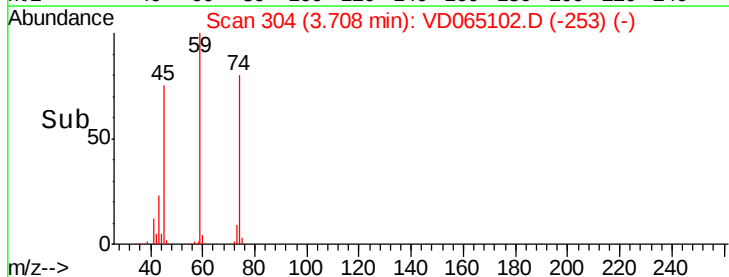
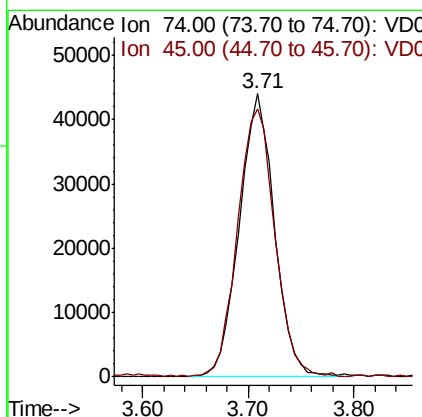
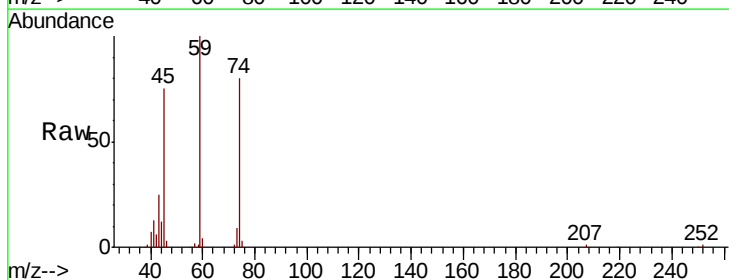
Acq: 07 Feb 2020 11:15

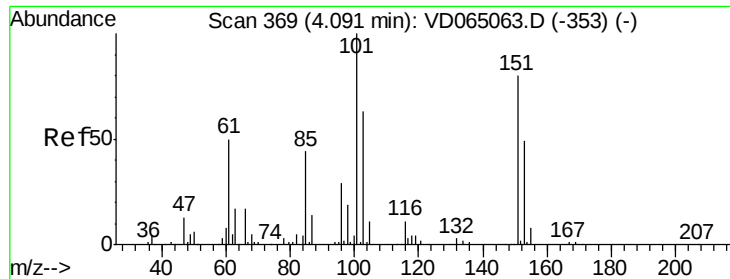
Tgt Ion: 74 Resp: 101420

Ion Ratio Lower Upper

74 100

45 100.8 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.643 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

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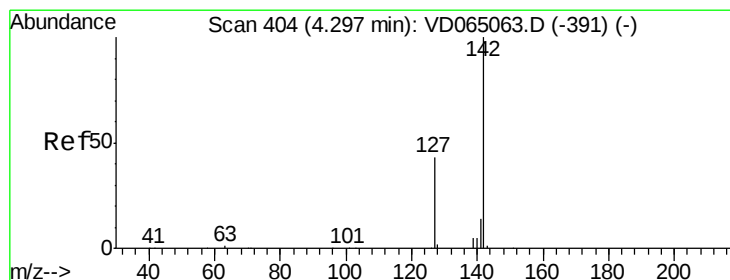
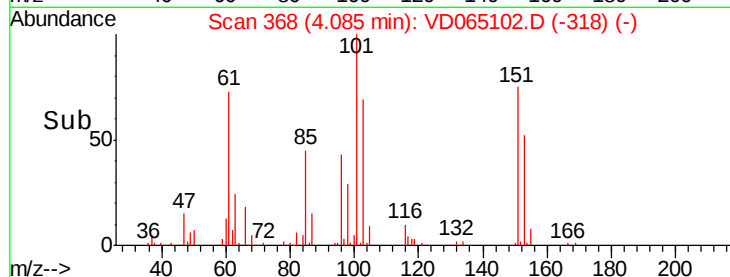
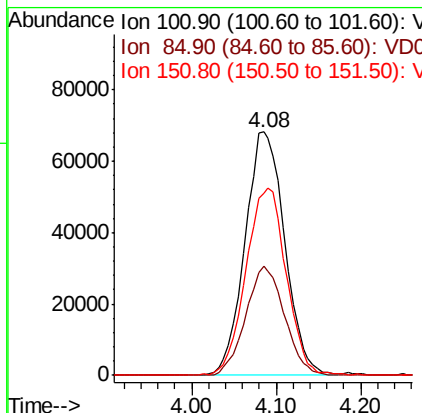
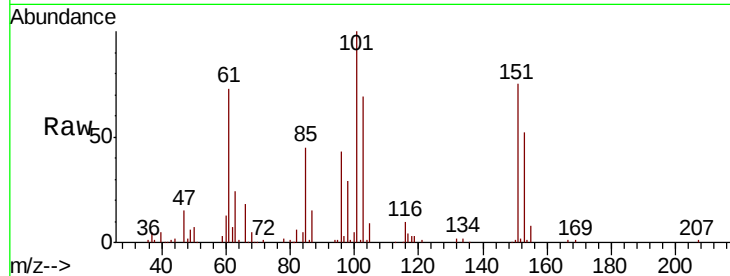
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	223230
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.0	51.0
151	77.9	64.0	96.0

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#10

Methyl Iodide

Concen: 49.100 ug/l

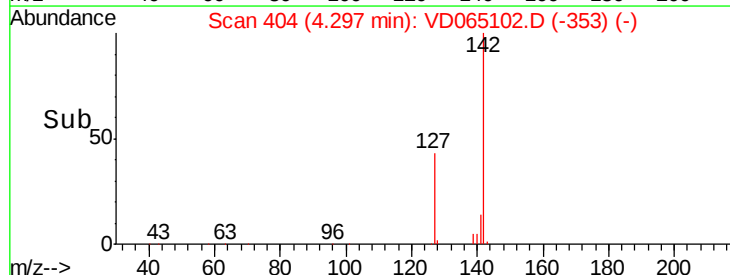
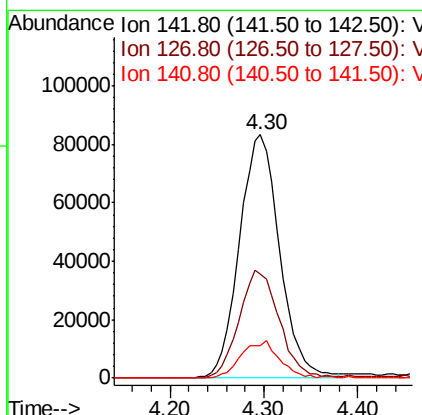
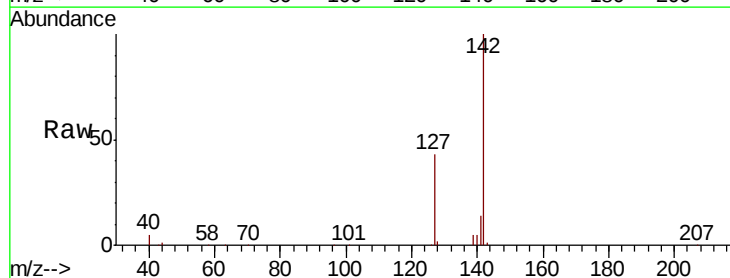
RT: 4.30 min Scan# 404

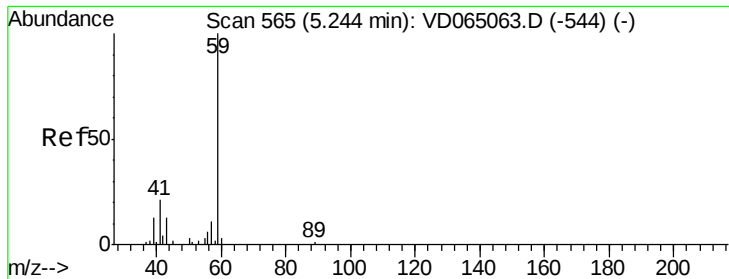
Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Tgt Ion:	142	Resp:	247027
Ion Ratio	Lower	Upper	
142	100		
127	44.3	34.0	51.0
141	14.8	11.6	17.4





#11

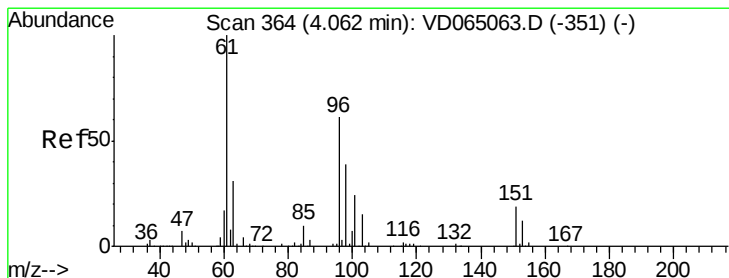
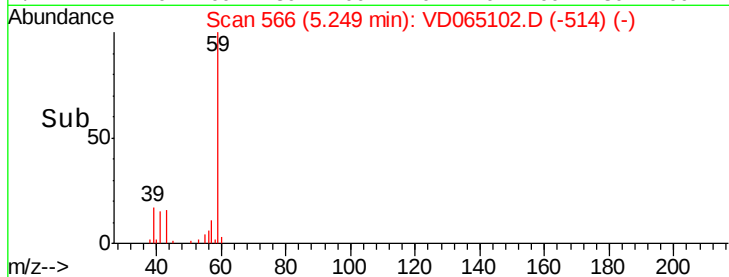
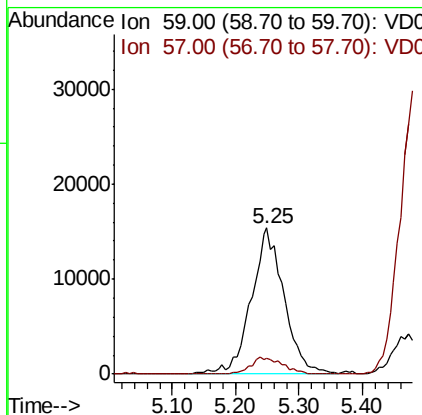
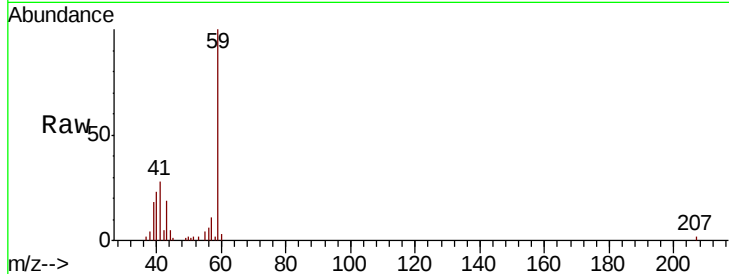
Tert butyl alcohol
Concen: 223.509 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.8	13.2

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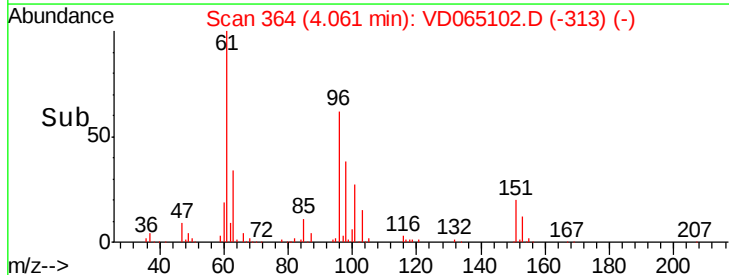
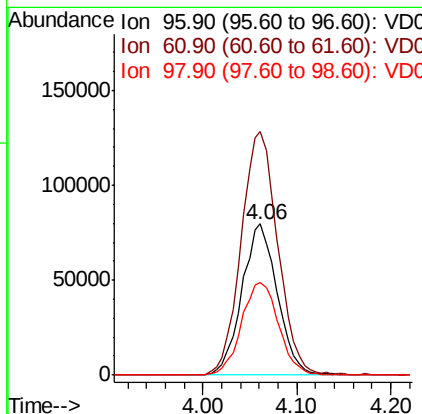
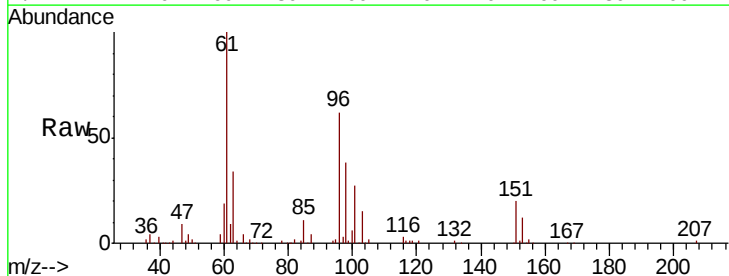
MMDadoda
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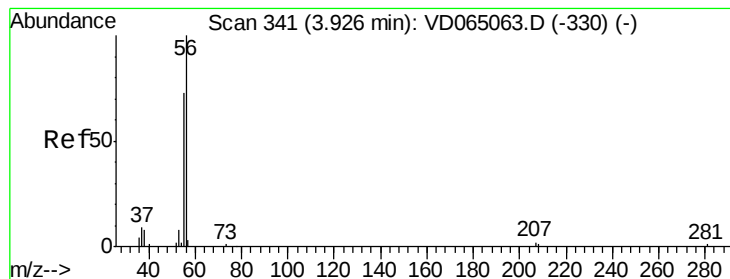


#12

1,1-Dichloroethene
Concen: 49.305 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.3	131.4	197.2
98	61.6	51.1	76.7





#13

Acrolein

Concen: 251.145 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 76715

Ion Ratio Lower Upper

56 100

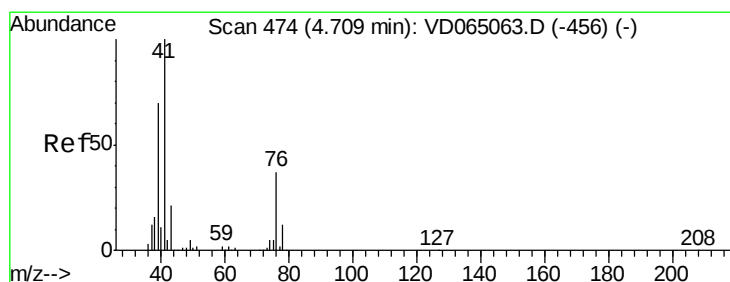
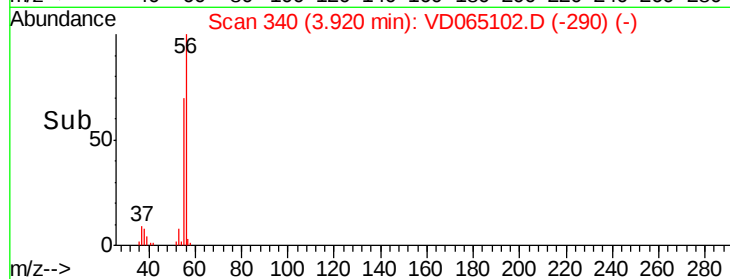
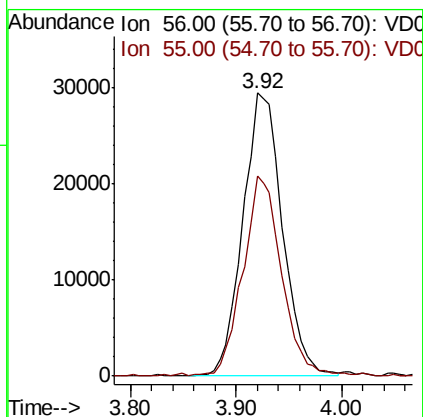
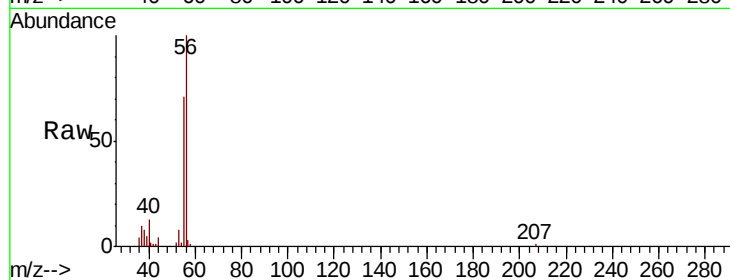
55 68.8 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 49.603 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

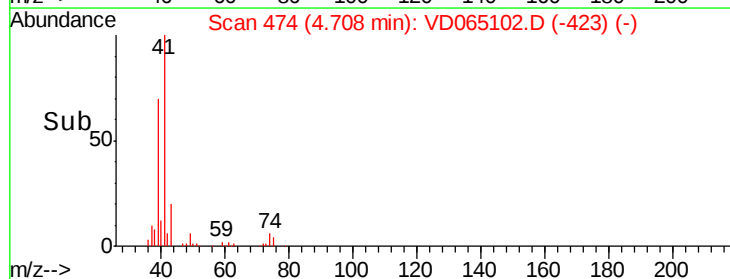
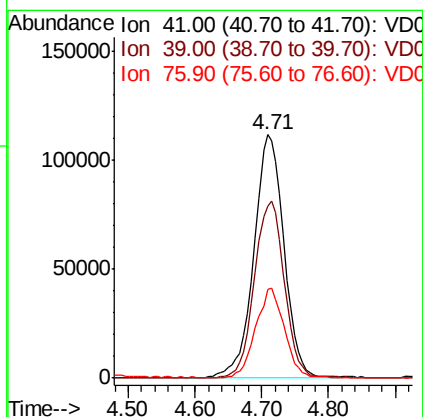
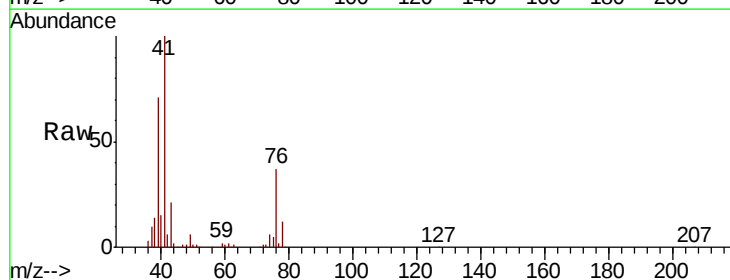
Tgt Ion: 41 Resp: 348025

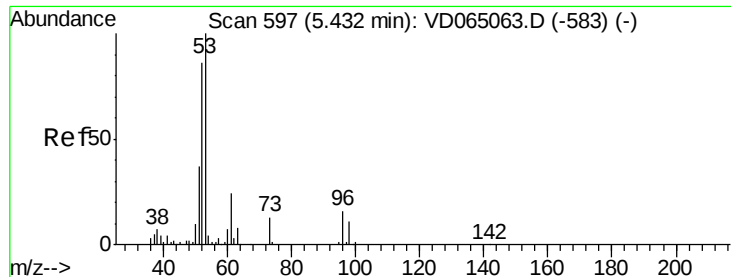
Ion Ratio Lower Upper

41 100

39 72.5 57.1 85.7

76 35.5 28.0 42.0





#15

Acrylonitrile

Concen: 252.473 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

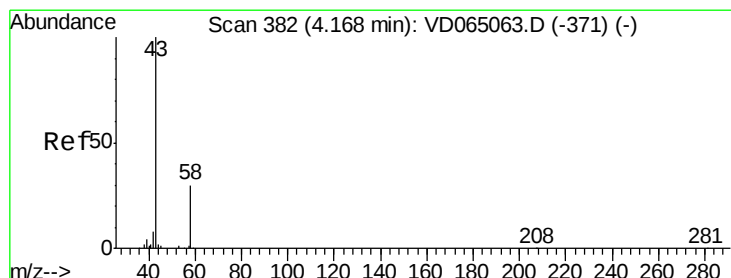
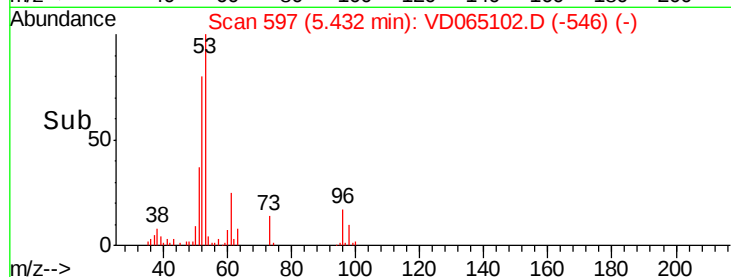
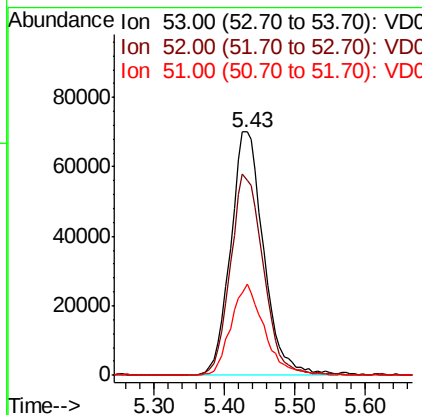
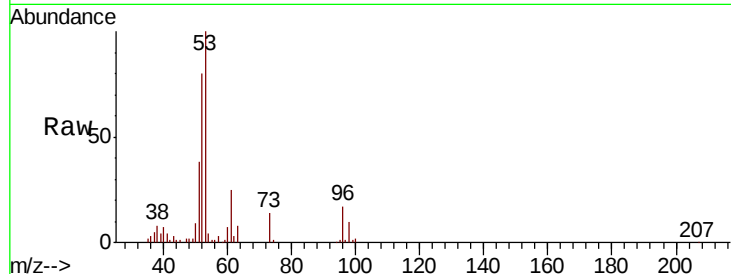
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	37.8	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 251.936 ug/l

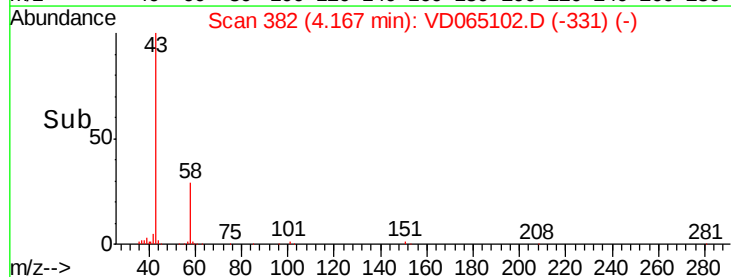
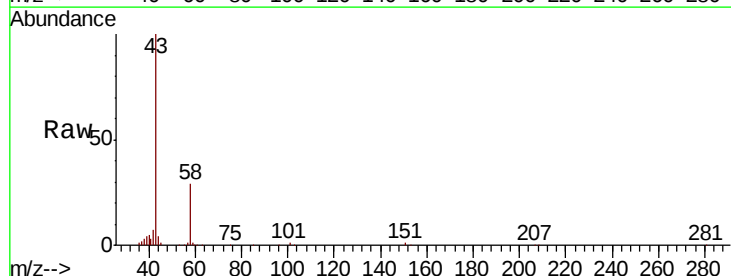
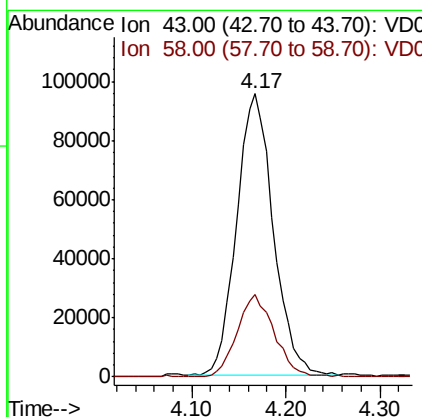
RT: 4.17 min Scan# 382

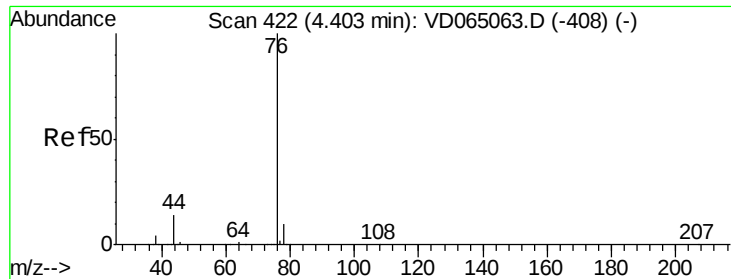
Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.5	35.3





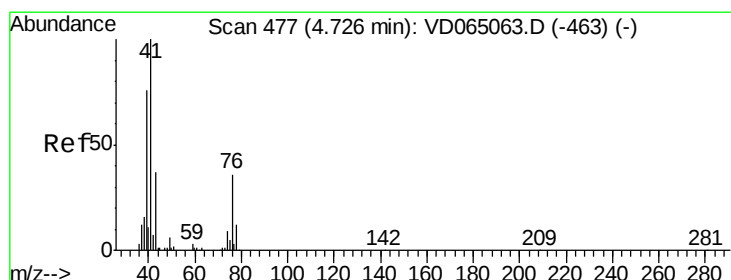
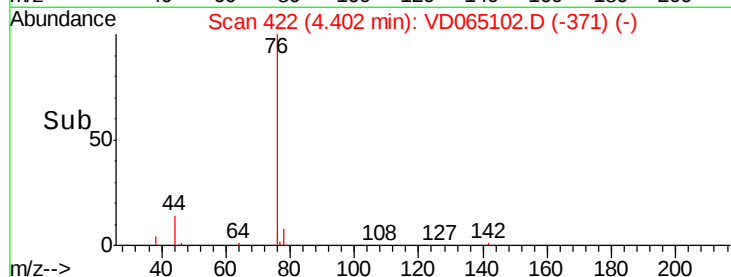
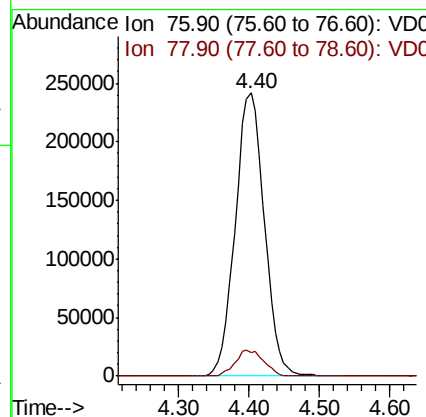
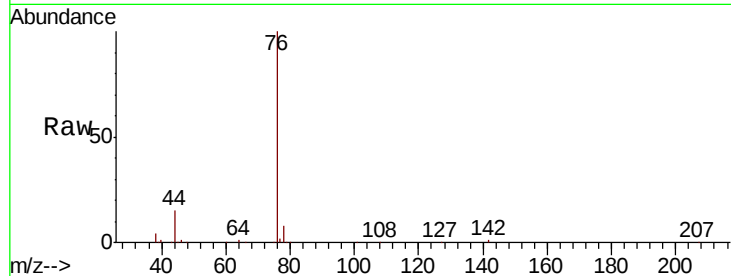
#17
Carbon Disulfide
Concen: 51.219 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.6	11.4

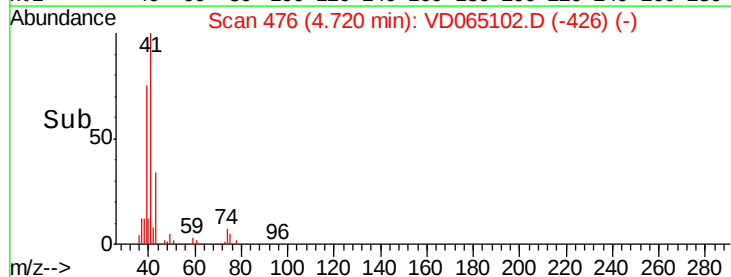
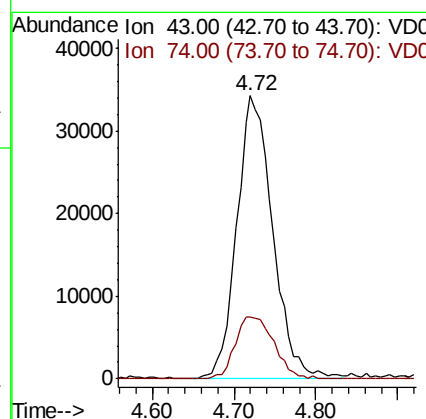
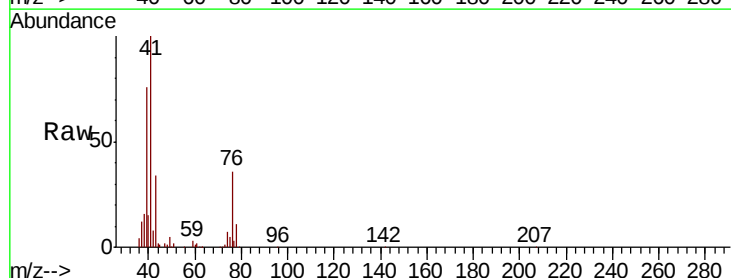
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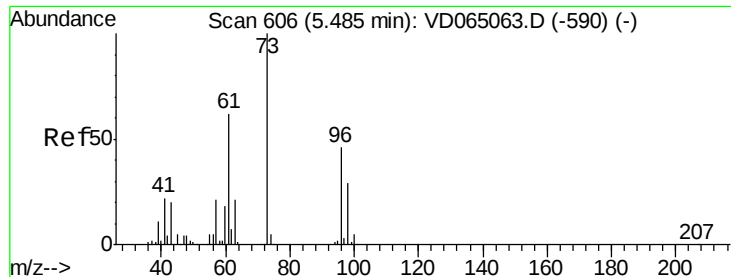
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#18
Methyl Acetate
Concen: 49.504 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.7	28.1





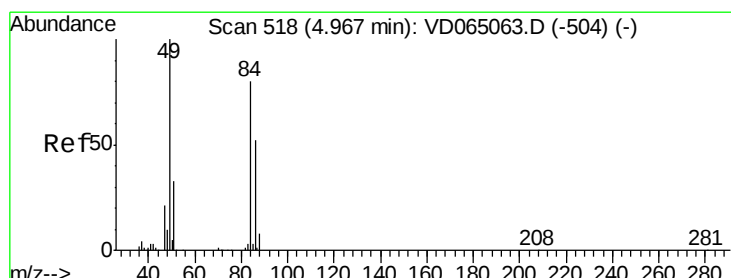
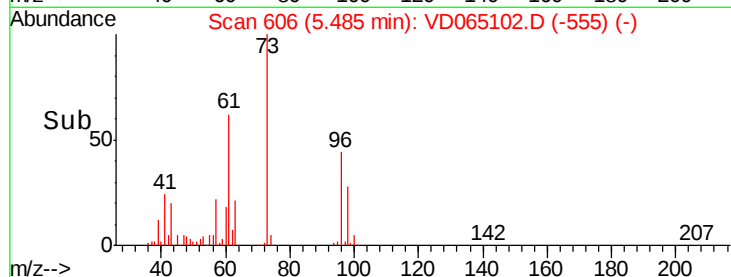
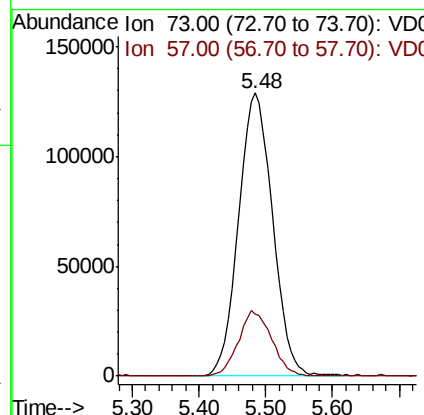
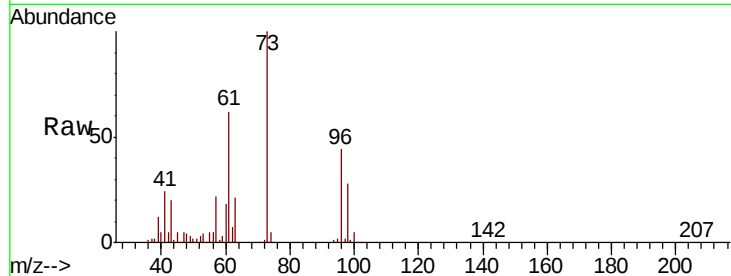
#19
Methyl tert-butyl Ether
Concen: 48.953 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 456995
Ion Ratio Lower Upper
73 100
57 21.8 16.8 25.2

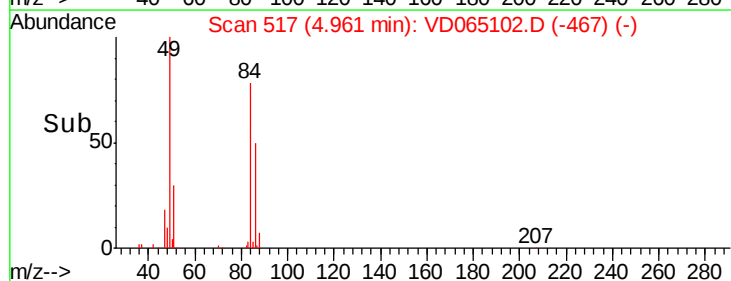
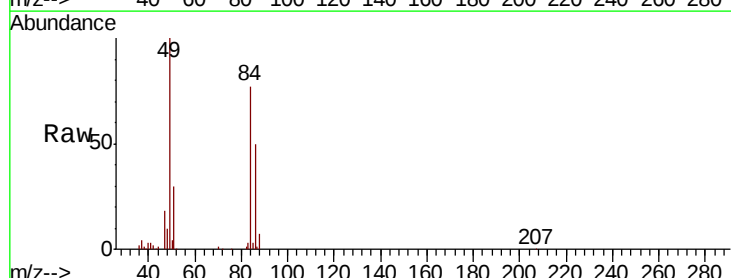
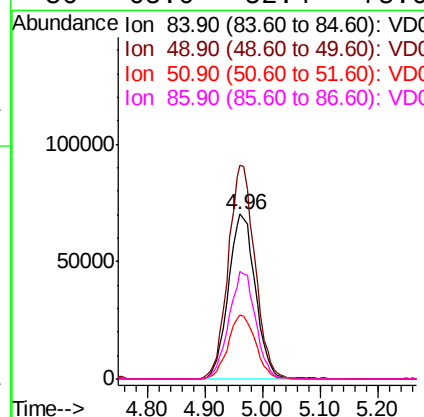
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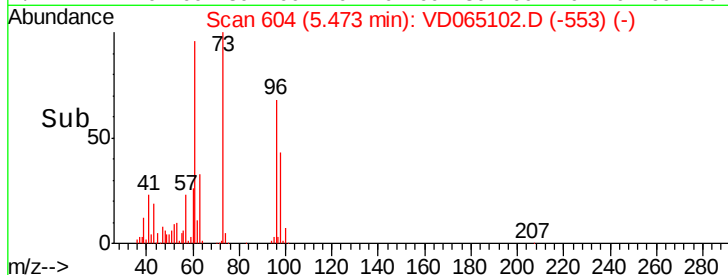
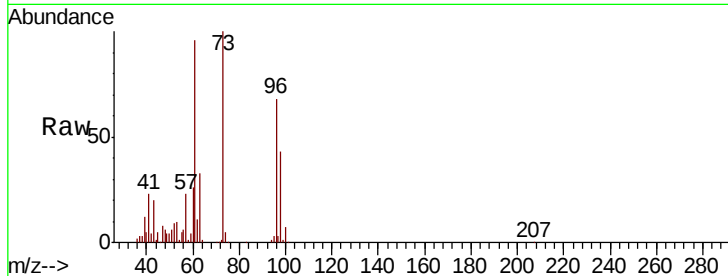
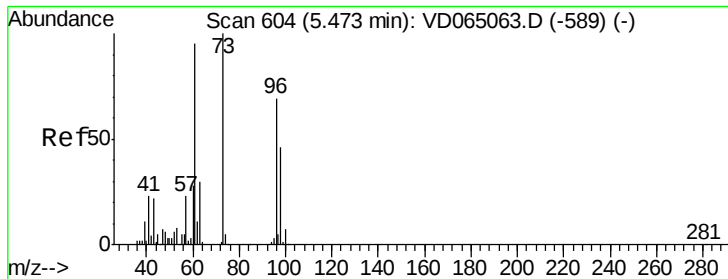
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#20
Methylene Chloride
Concen: 51.193 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion: 84 Resp: 228653
Ion Ratio Lower Upper
84 100
49 129.7 100.4 150.6
51 39.0 32.7 49.1
86 65.0 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 50.462 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Tot Ion:	96	Resp:	241017
Ion	Ratio	Lower	Upper
96	100		
61	141.3	109.5	164.3
98	62.7	53.7	80.5

Instrument :

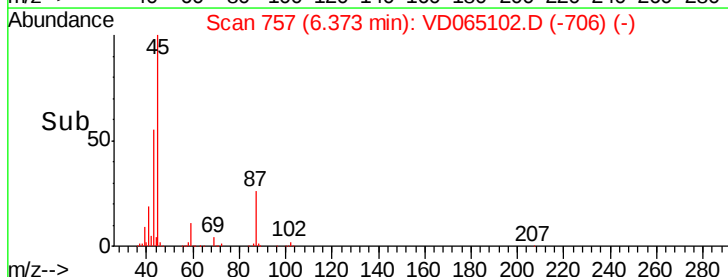
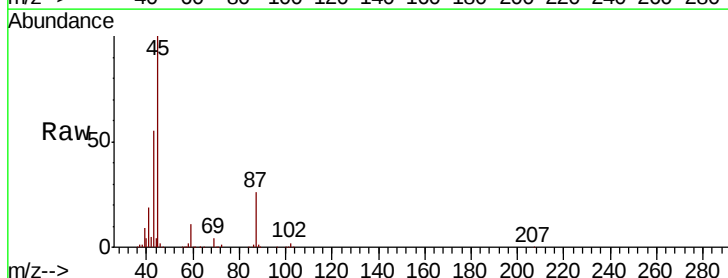
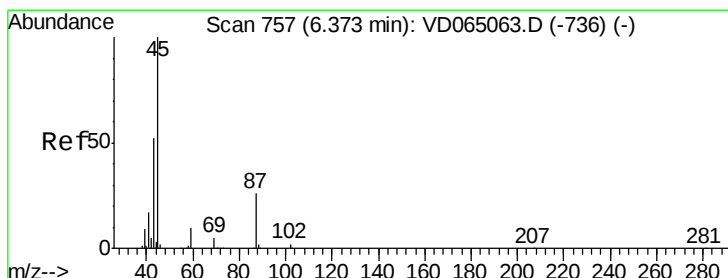
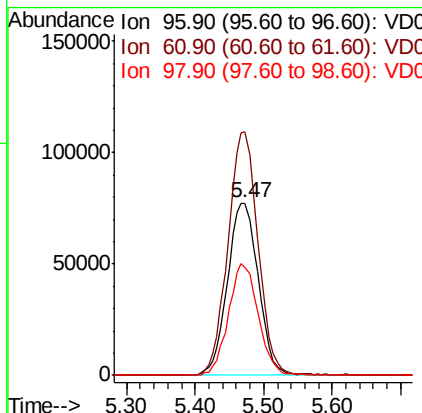
MSVOA_D

ClientSampleId :

VSTDCCC050

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#22

Diisopropyl ether

Concen: 51.438 ug/l

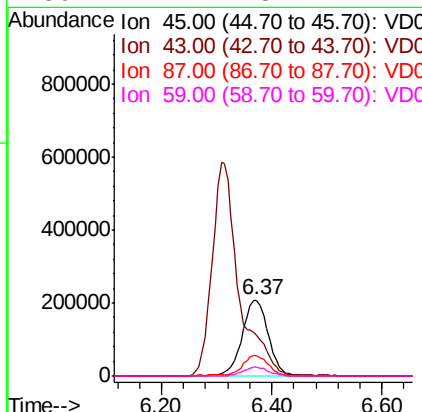
RT: 6.37 min Scan# 757

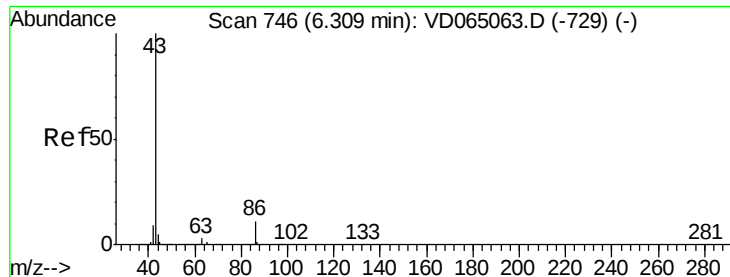
Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Tgt Ion:	45	Resp:	680741
Ion	Ratio	Lower	Upper
45	100		
43	54.0	41.3	61.9
87	26.2	21.0	31.6
59	11.1	8.2	12.4





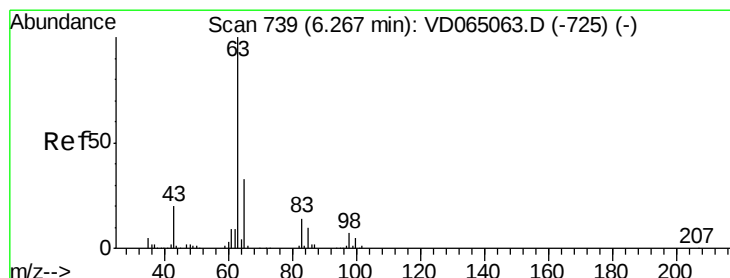
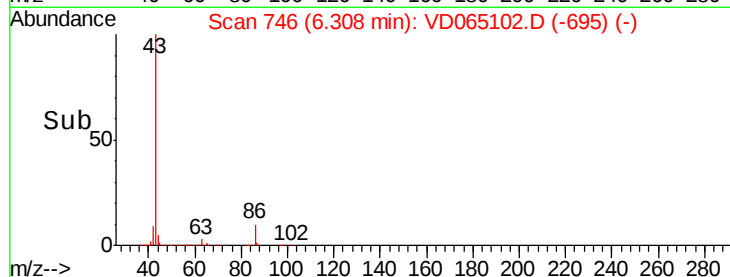
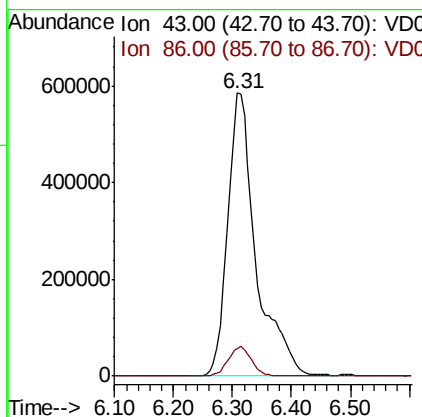
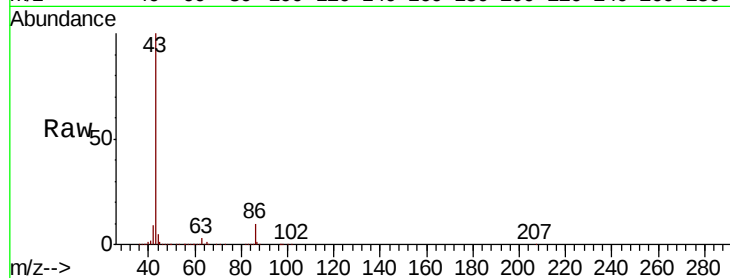
#23
 Vinyl Acetate
 Concen: 266.771 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1967832
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.5 12.7

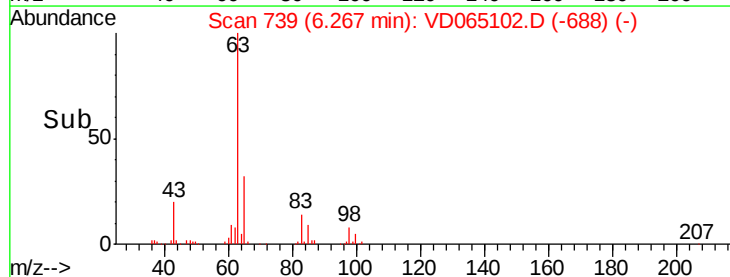
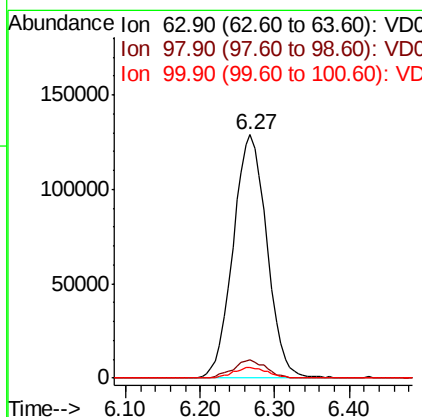
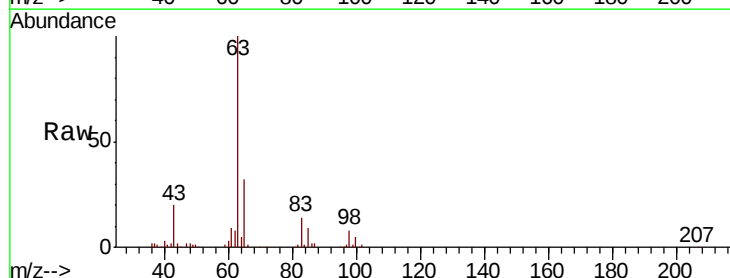
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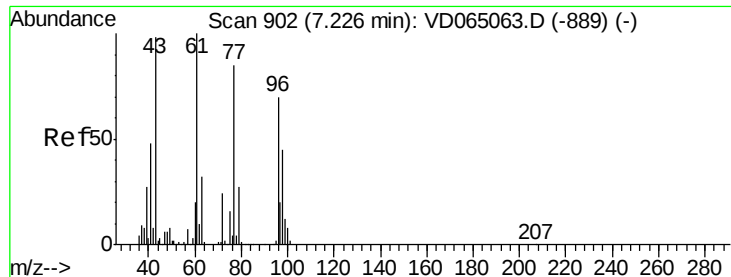
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#24
 1,1-Dichloroethane
 Concen: 50.615 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Tgt Ion: 63 Resp: 405452
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.5 10.4
 100 4.6 2.5 7.6





#25

2-Butanone

Concen: 258.378 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 313214

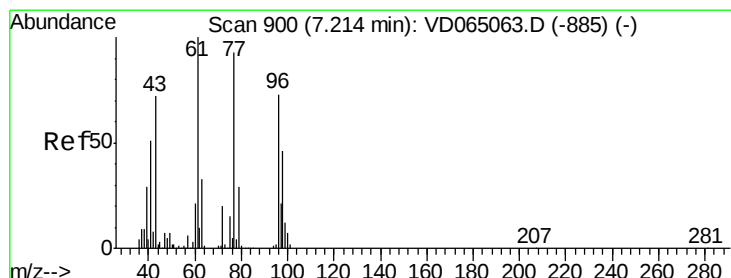
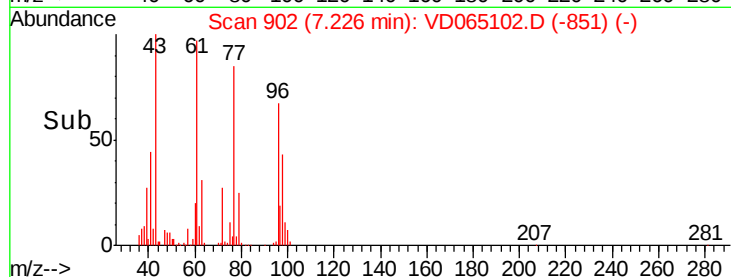
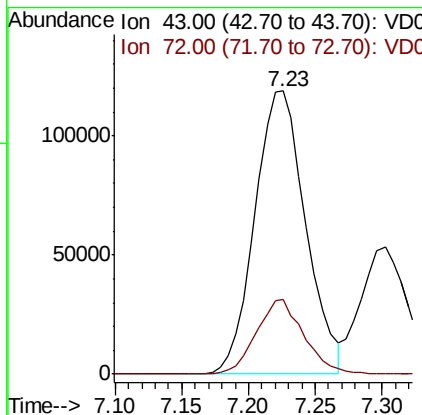
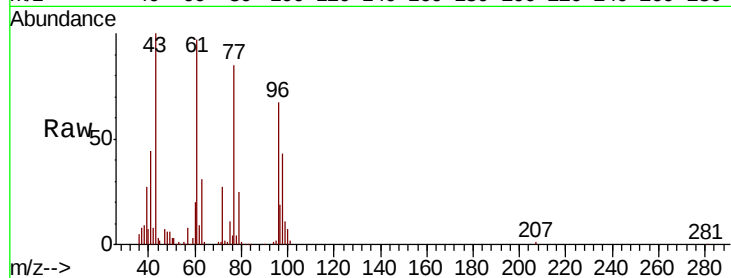
Ion Ratio Lower Upper

43 100

72 26.6 19.9 29.9

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 51.713 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065102.D

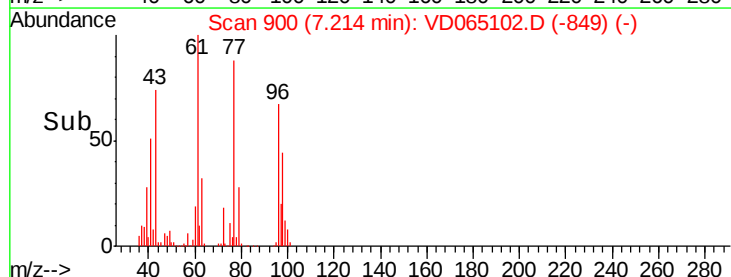
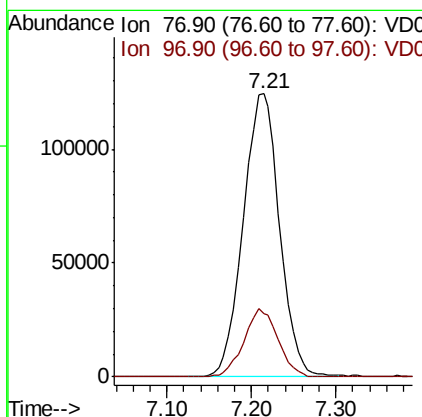
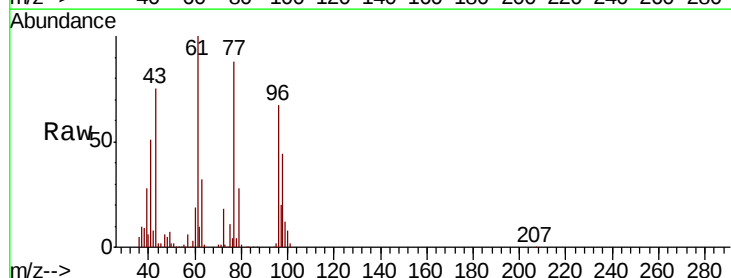
Acq: 07 Feb 2020 11:15

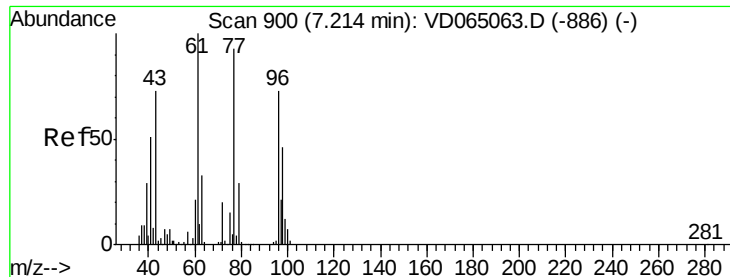
Tgt Ion: 77 Resp: 371300

Ion Ratio Lower Upper

77 100

97 22.7 10.9 32.6





#27

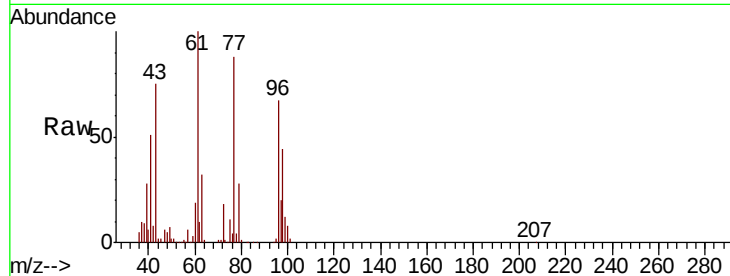
cis-1,2-Dichloroethene
Concen: 50.207 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

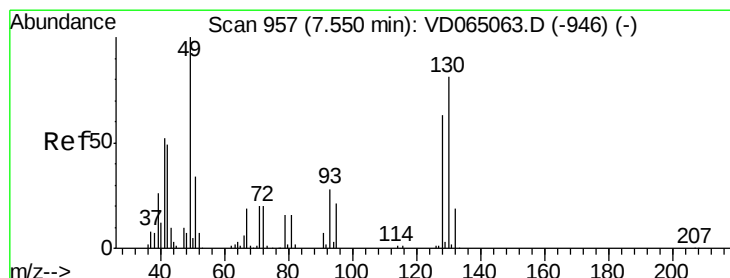
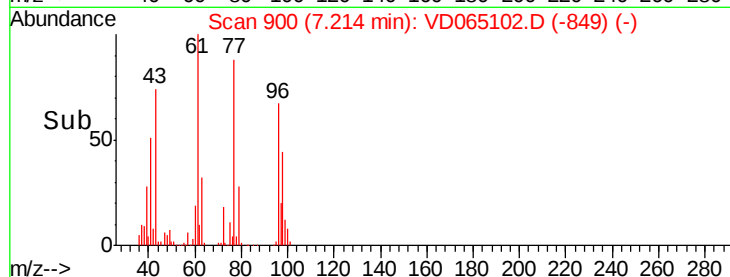
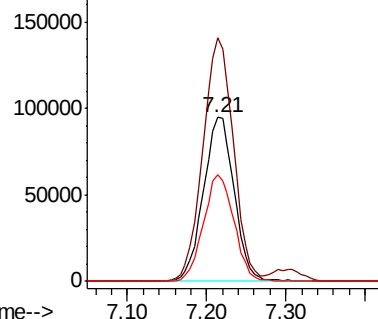
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.2	0.0	292.8	
98	64.3	0.0	128.8	

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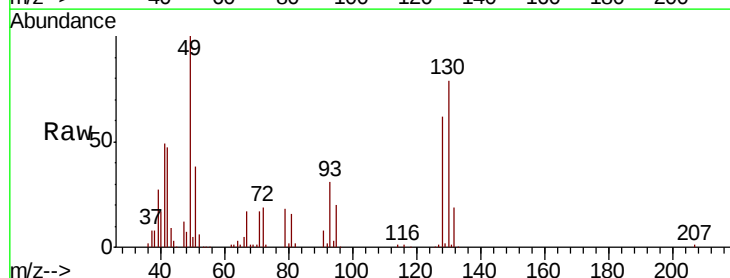
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



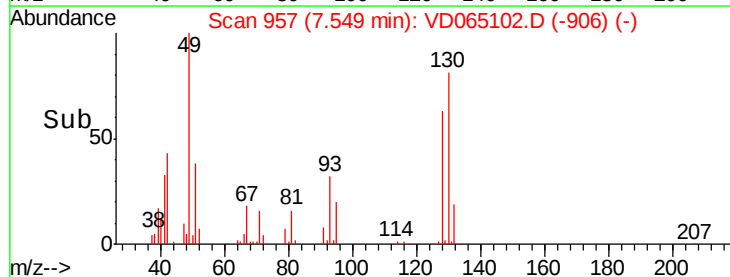
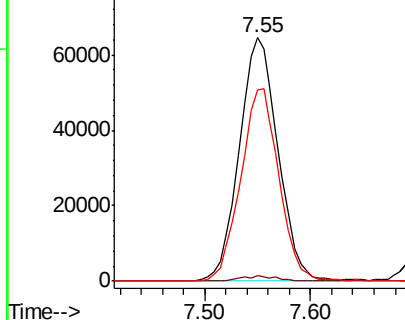
#28

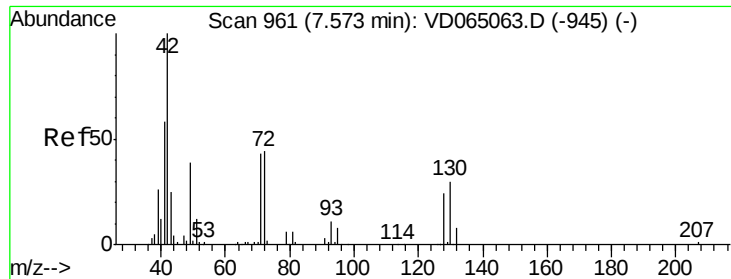
Bromochloromethane
Concen: 53.913 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.4	
130	78.1	63.8	95.8	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





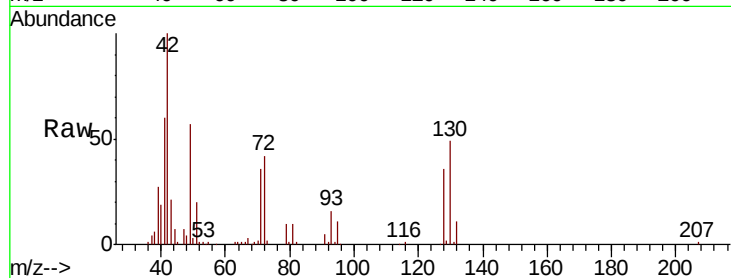
#29
Tetrahydrofuran
Concen: 258.879 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

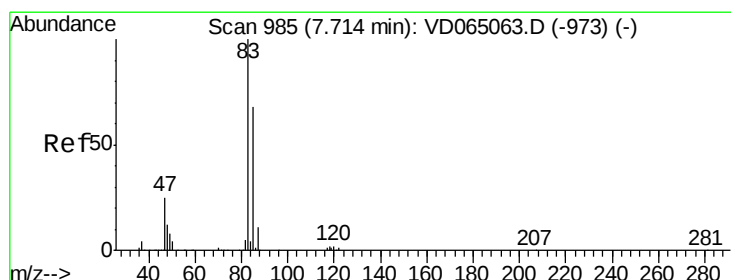
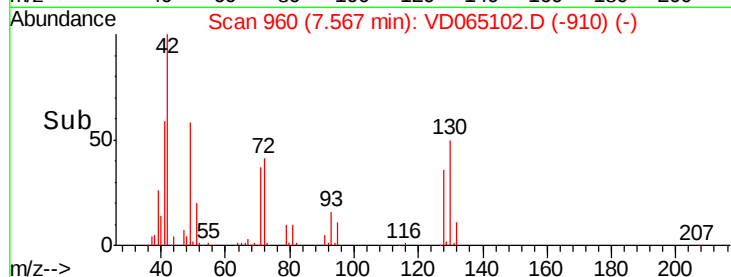
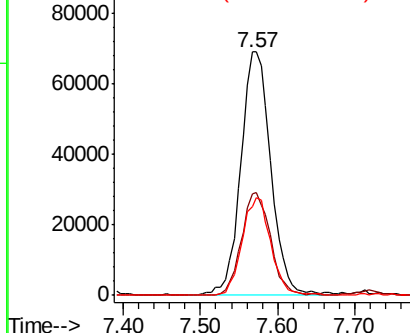
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	34.2	51.4
71	38.3	31.8	47.6

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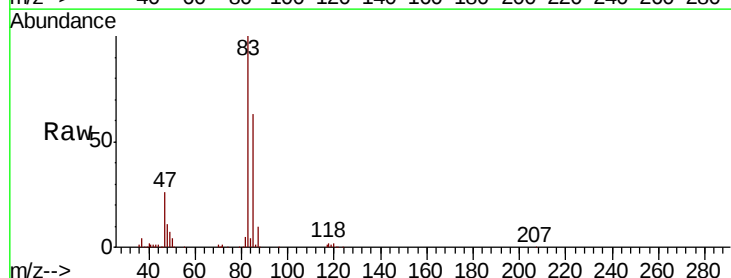


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

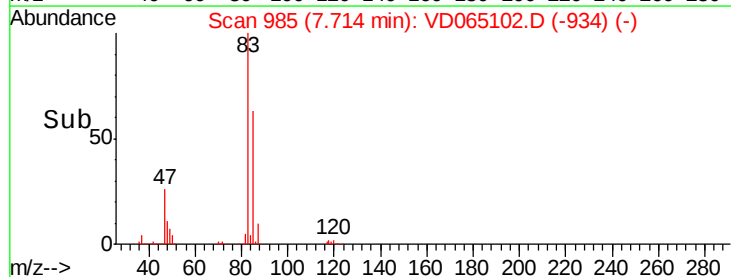
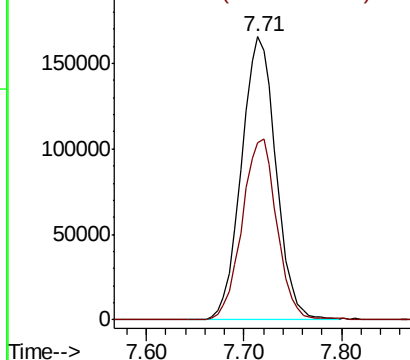


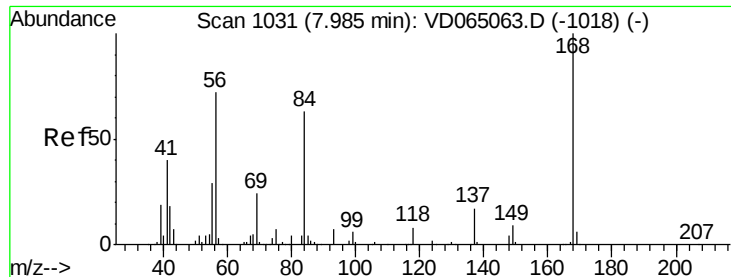
#30
Chloroform
Concen: 51.500 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	54.2	81.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





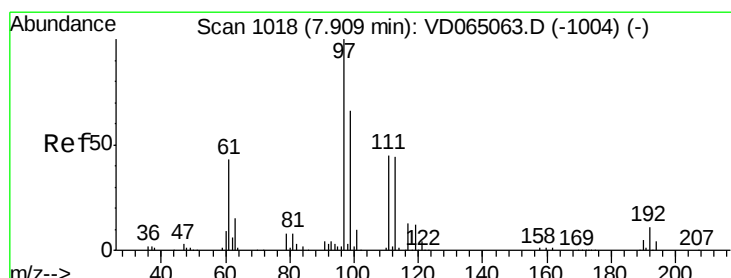
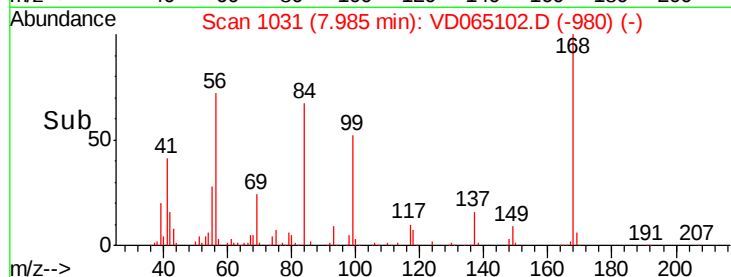
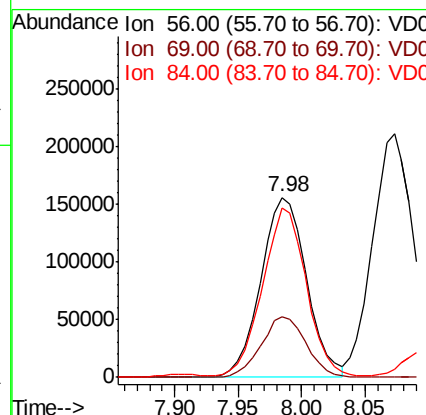
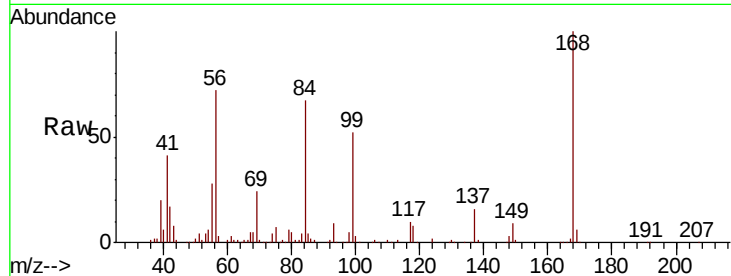
#31
Cyclohexane
Concen: 48.391 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.6	40.0
84	92.4	70.6	106.0

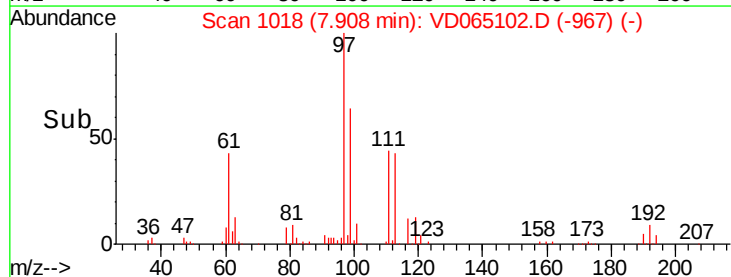
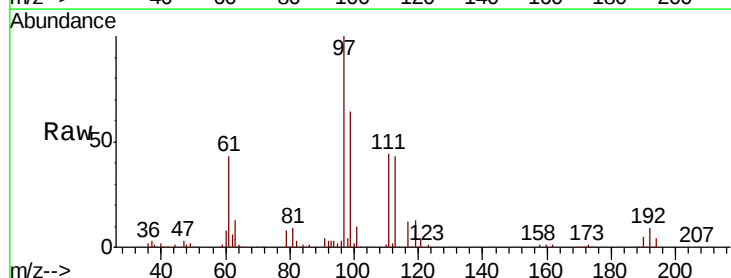
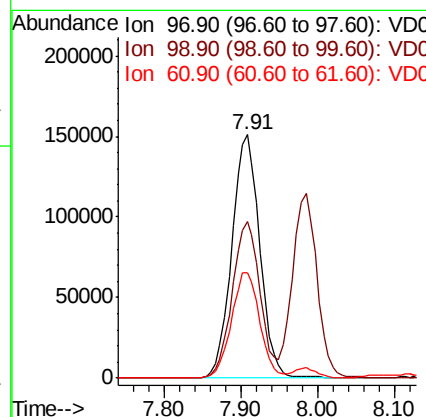
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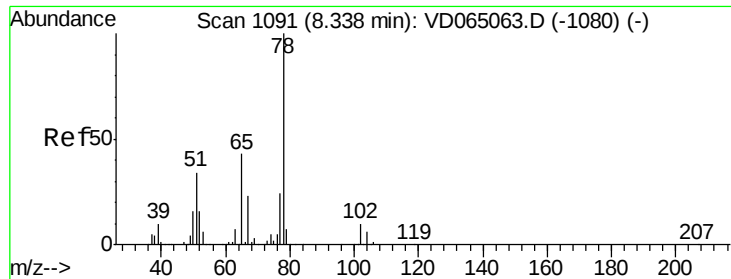
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#32
1,1,1-Trichloroethane
Concen: 51.549 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	44.0	34.8	52.2





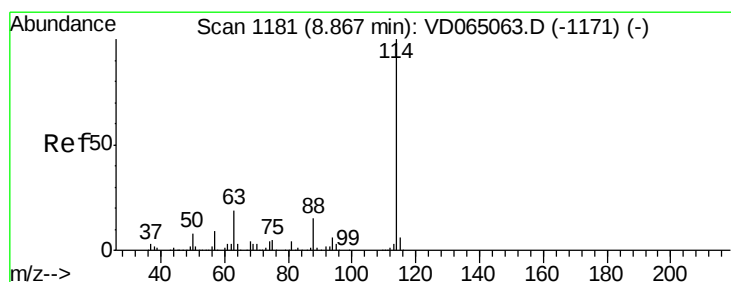
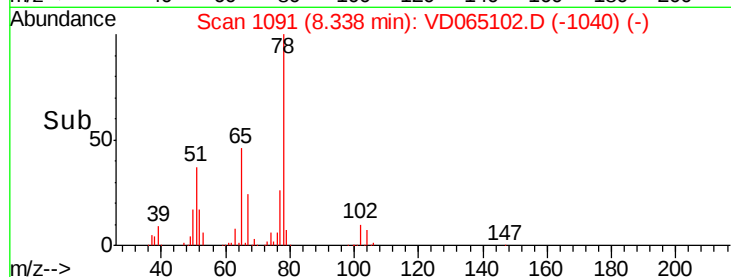
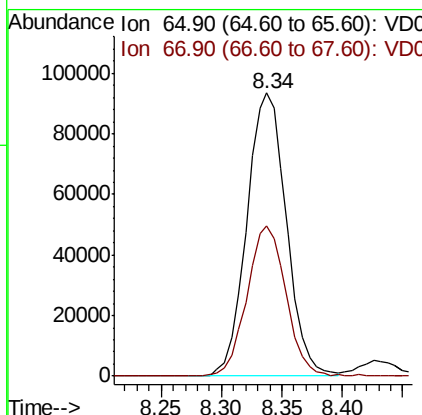
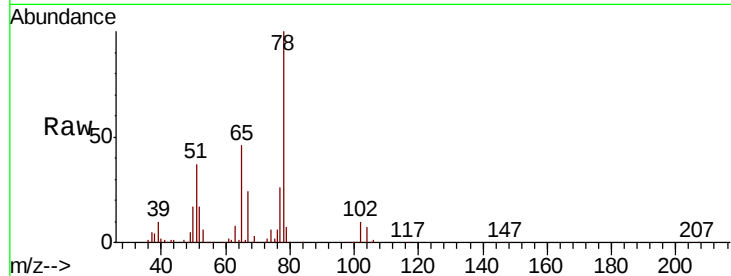
#33
 1,2-Dichloroethane-d4
 Concen: 52.439 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	213149		
67	52.4	0.0	105.8	

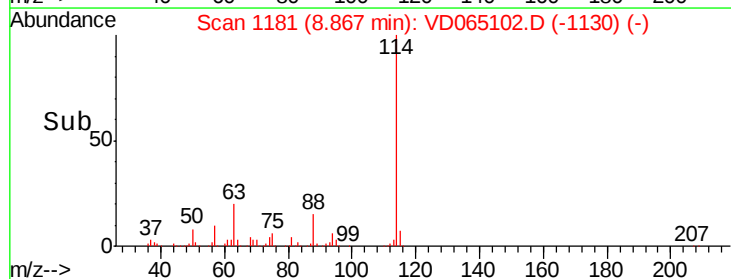
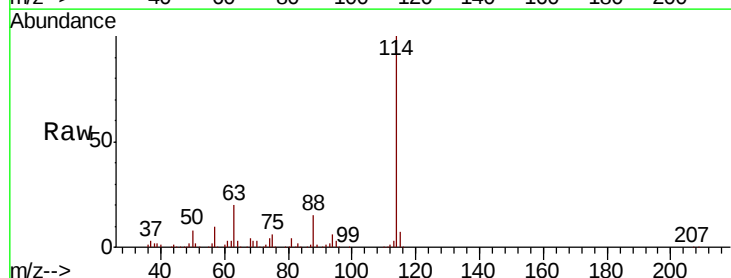
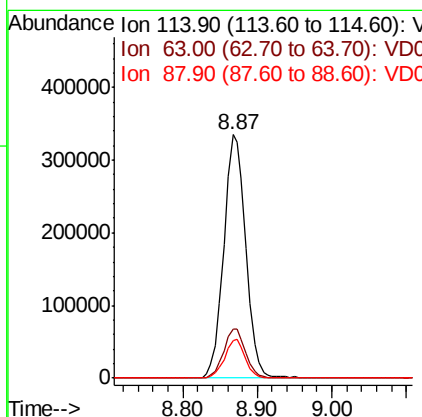
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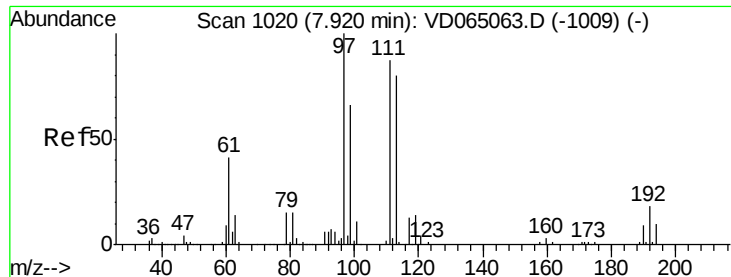
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	688118		
63	20.1	0.0	38.8	
88	15.3	0.0	29.6	





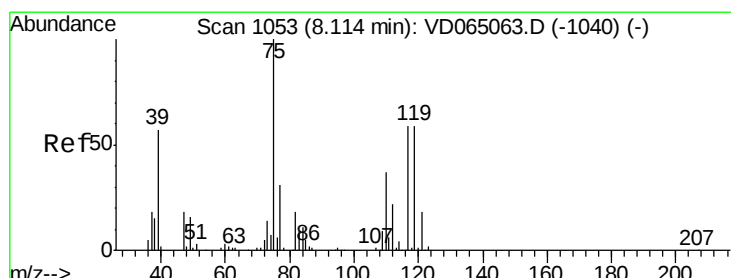
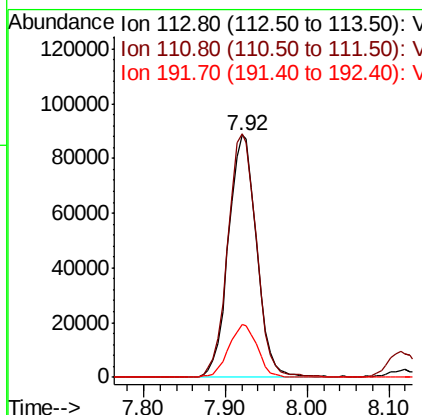
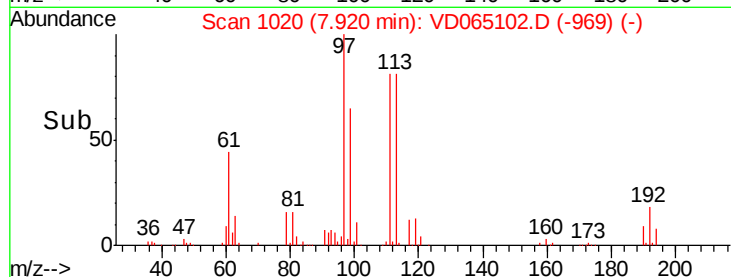
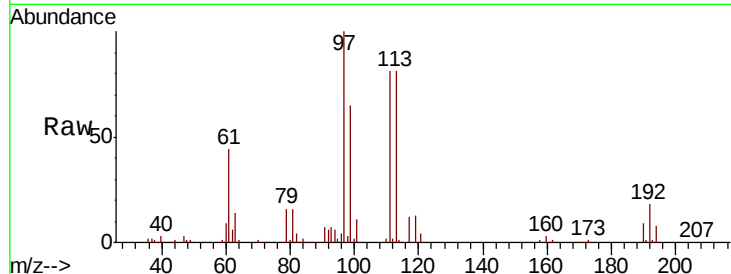
#35
 Dibromofluoromethane
 Concen: 55.426 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	212797		
111	101.9	83.1	124.7	
192	22.1	18.1	27.1	

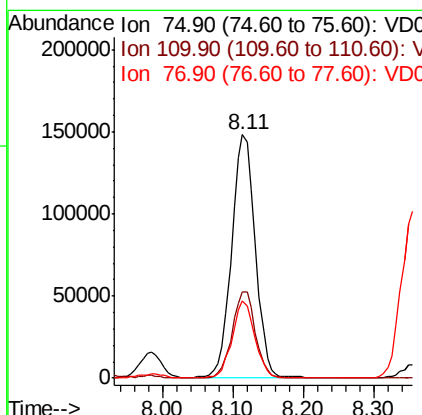
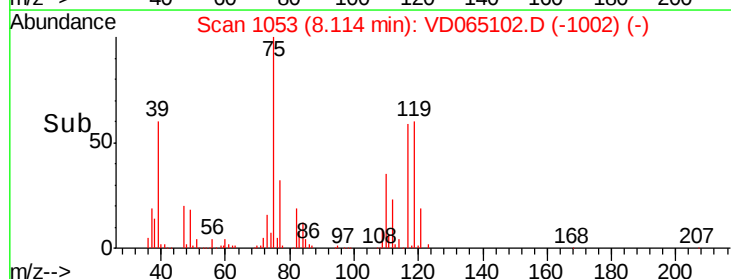
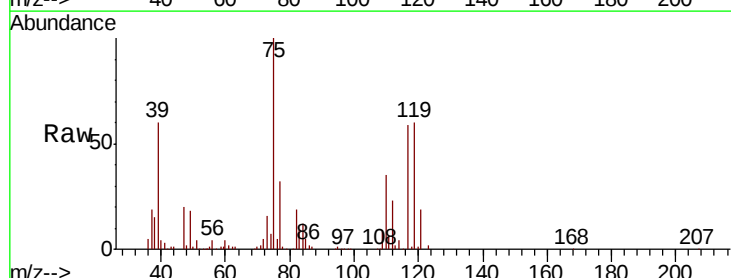
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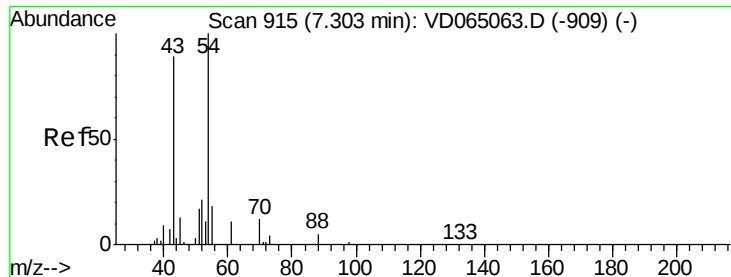
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#36
 1,1-Dichloropropene
 Concen: 53.887 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	344798		
110	34.9	18.1	54.3	
77	30.6	24.7	37.1	





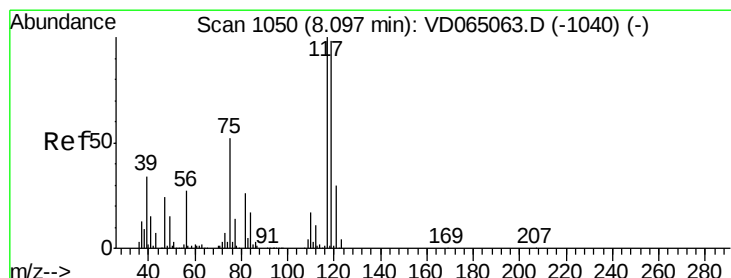
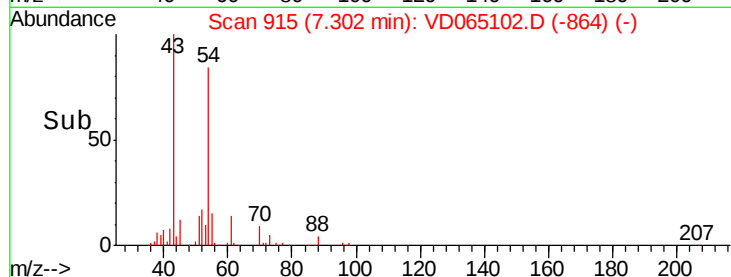
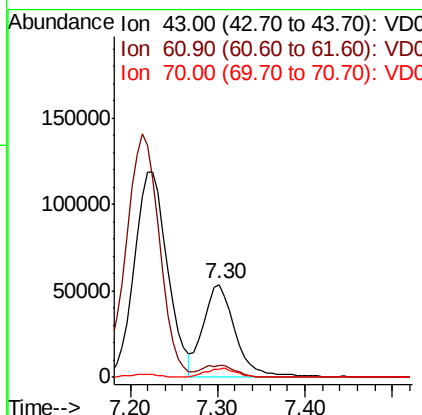
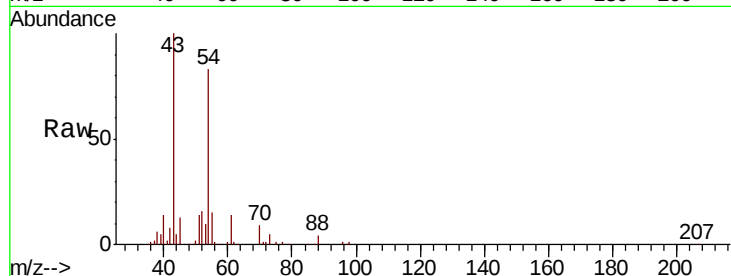
#37
Ethyl Acetate
Concen: 51.716 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	9.5	8.2	12.2

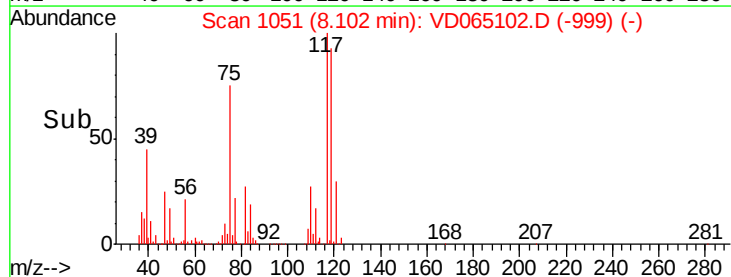
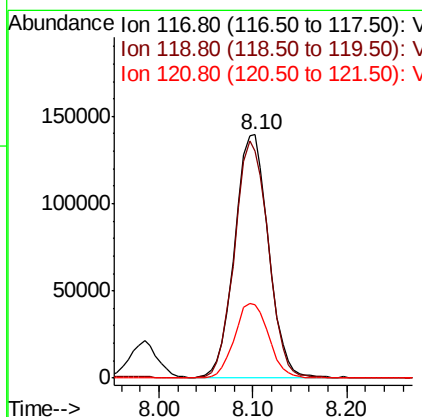
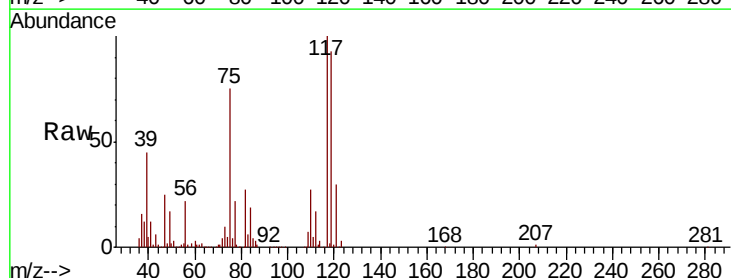
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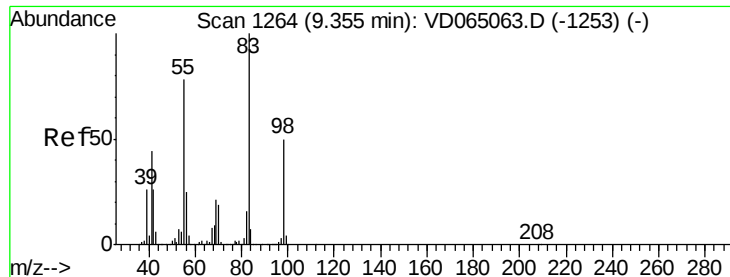
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#38
Carbon Tetrachloride
Concen: 53.278 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	78.5	117.7
121	30.0	23.8	35.6





#39

Methvlcvclohexane

Concen: 52.051 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

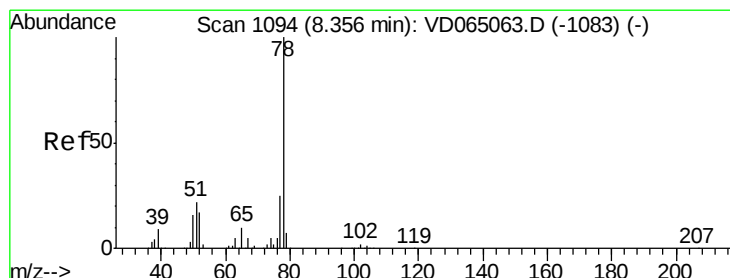
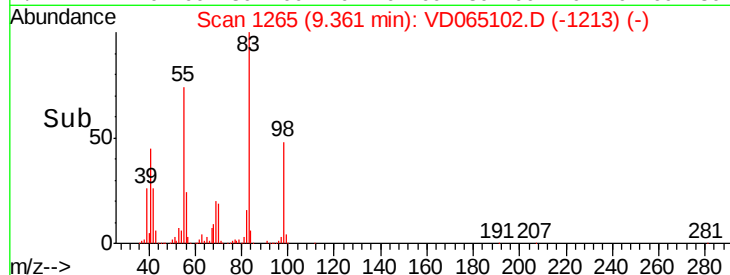
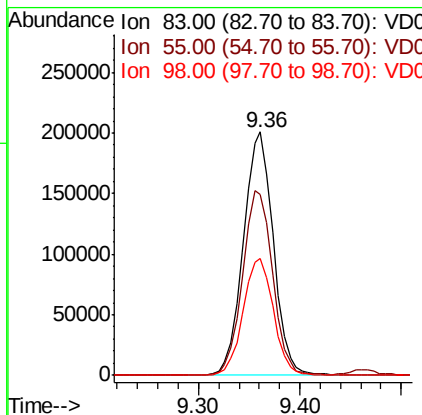
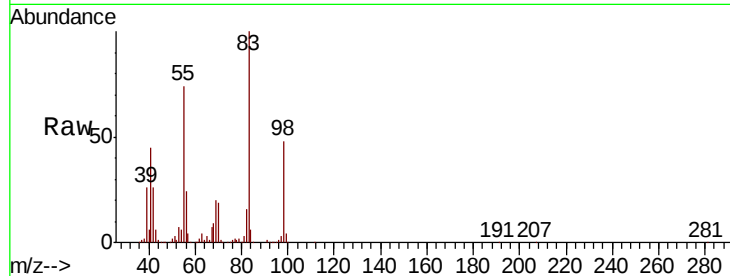
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	411089
Ion	Ratio	Lower	Upper
83	100		
55	74.5	62.0	93.0
98	48.0	39.9	59.9

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#40

Benzene

Concen: 52.530 ug/l

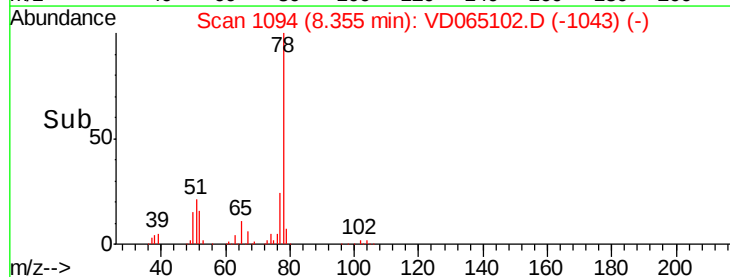
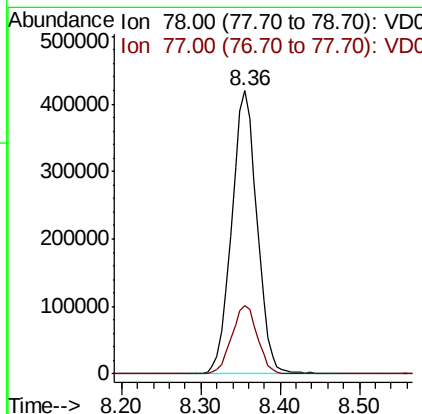
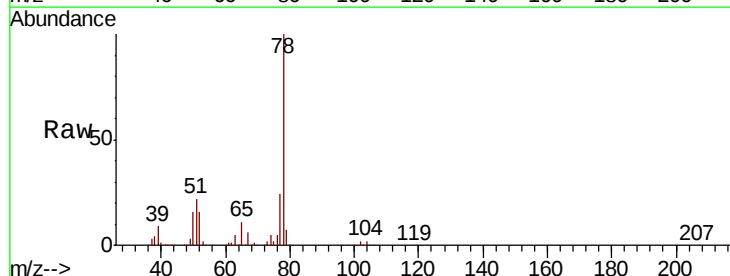
RT: 8.36 min Scan# 1094

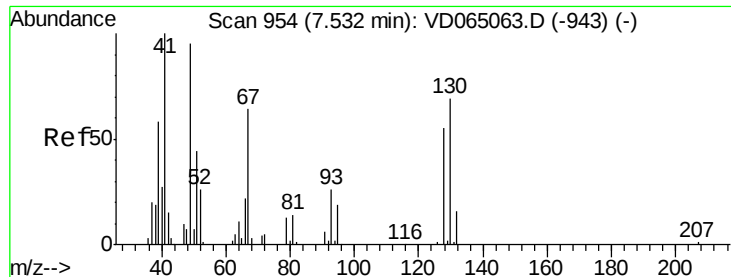
Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Tgt Ion:	78	Resp:	928164
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.6	29.4





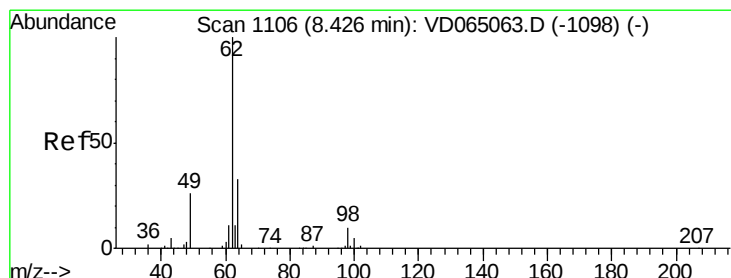
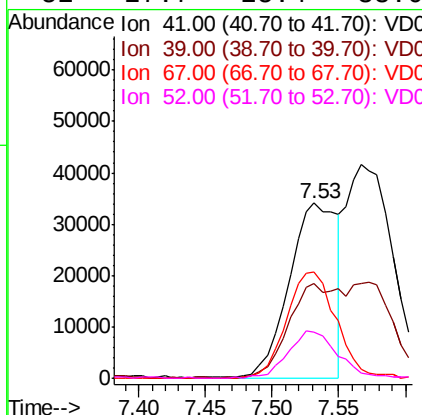
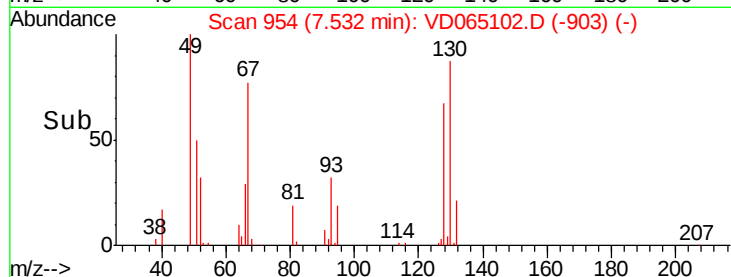
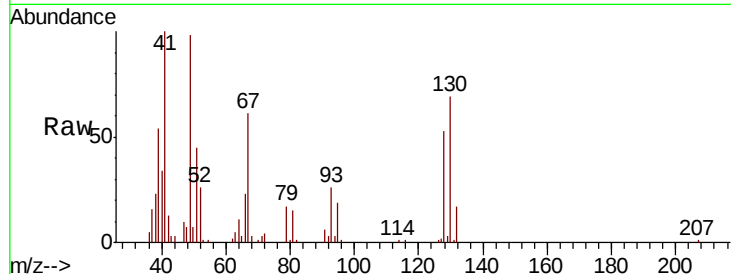
#41
Methacrylonitrile
Concen: 59.547 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	46.7	55.4	83.0#	
67	62.3	59.0	88.6	
52	27.7	25.4	38.0	

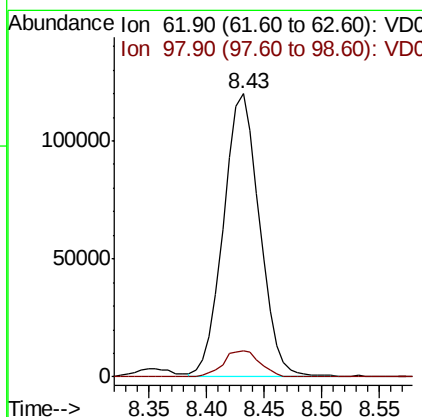
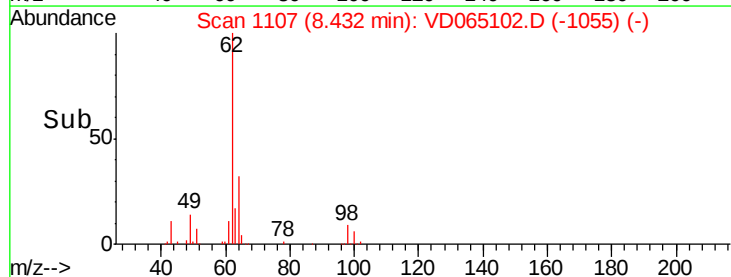
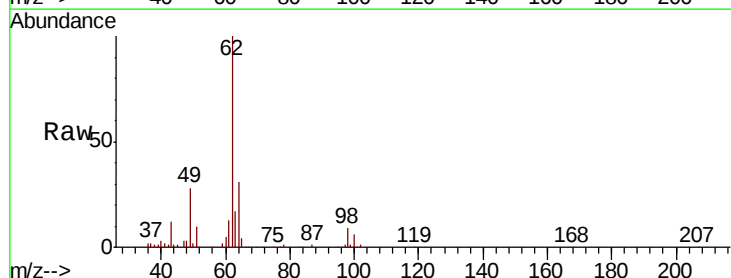
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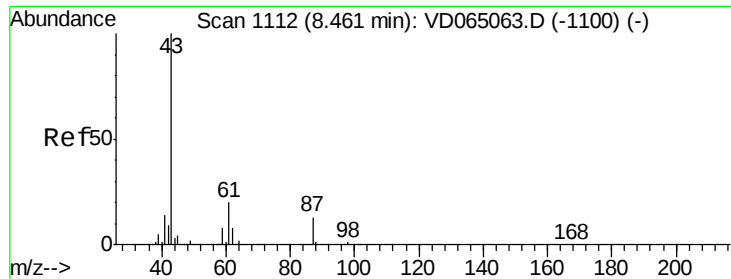
MMDadoda
2/10/2020 5:39:59 PM



#42
1,2-Dichloroethane
Concen: 51.609 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	18.6	





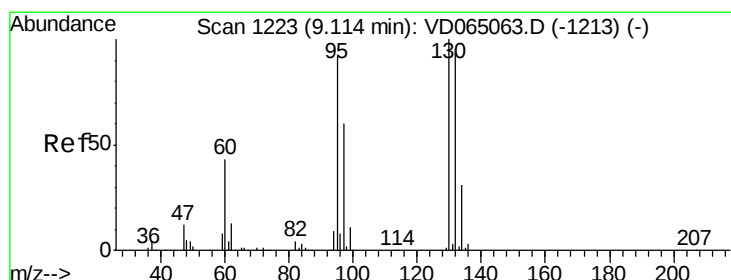
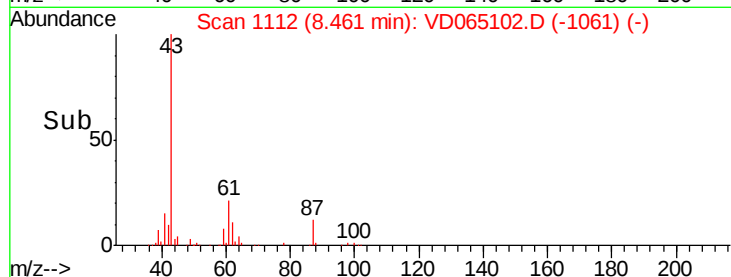
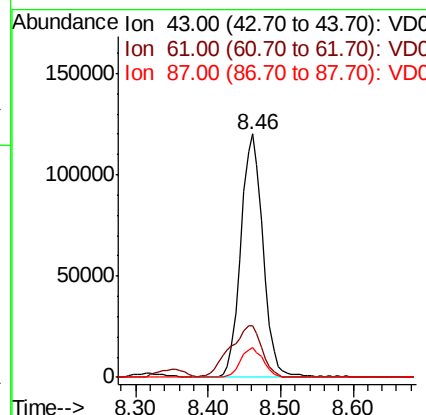
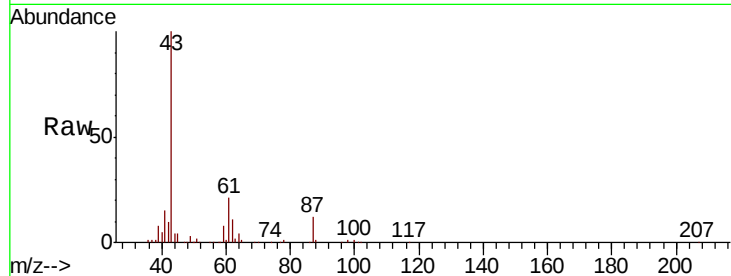
#43
Isopropyl Acetate
Concen: 51.186 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.0	36.0
87	12.3	10.2	15.4

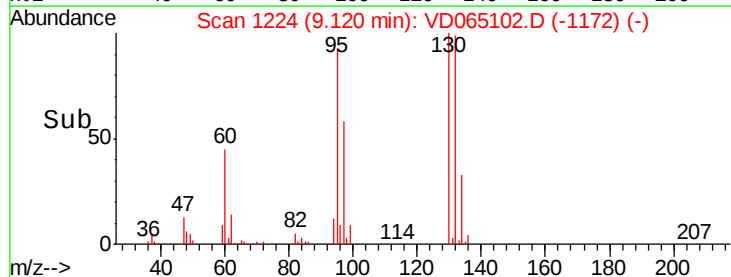
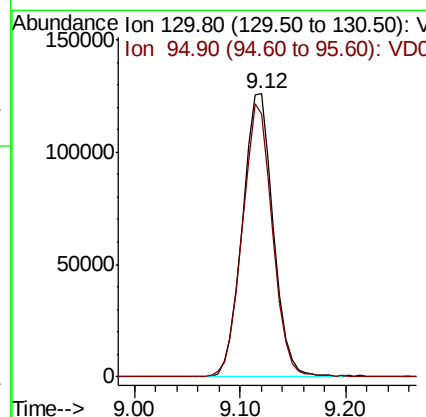
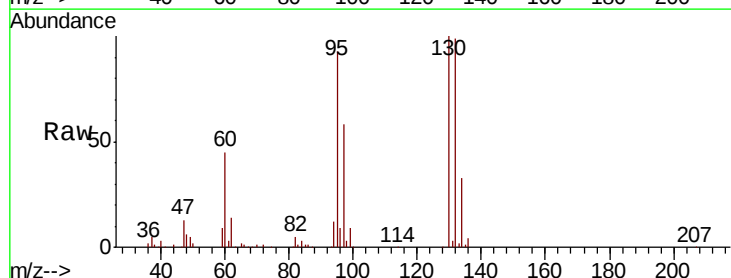
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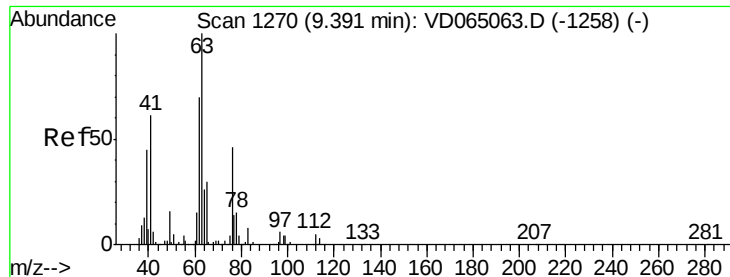
MMDadoda
2/10/2020 5:39:59 PM



#44
Trichloroethene
Concen: 50.261 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	185.0





#45

1,2-Dichloropropane

Concen: 53.105 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 224974

Ion Ratio Lower Upper

63 100

65 31.1

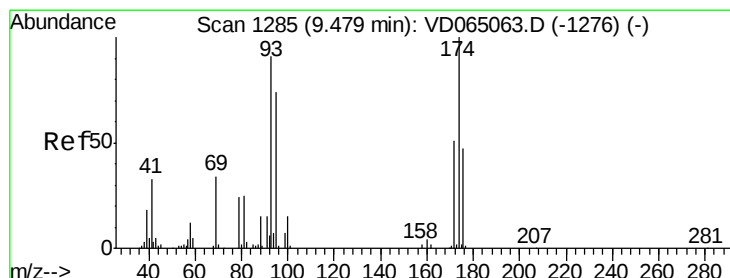
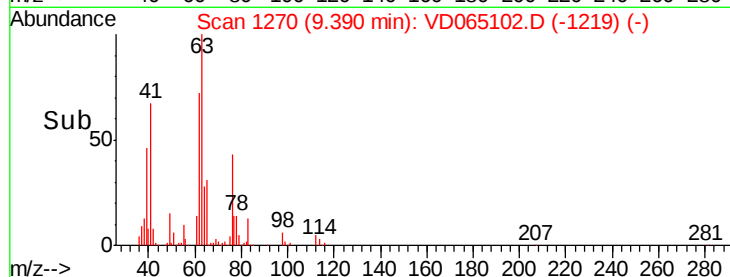
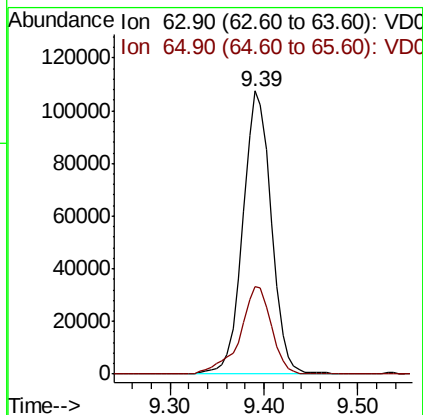
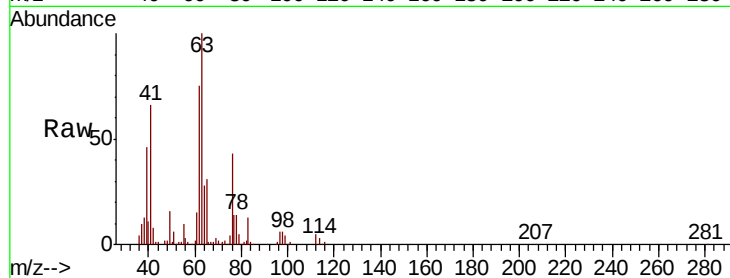
23.9

35.9

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#46

Dibromomethane

Concen: 52.814 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Tgt Ion: 93 Resp: 117571

Ion Ratio Lower Upper

93 100

95 82.2

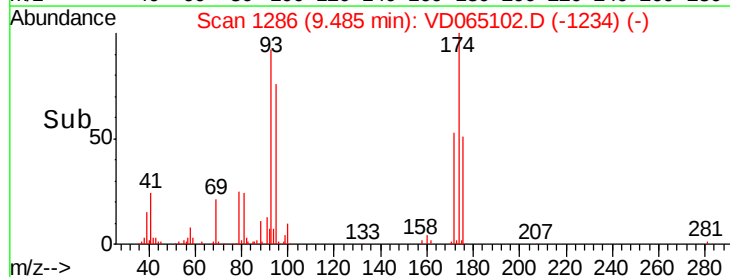
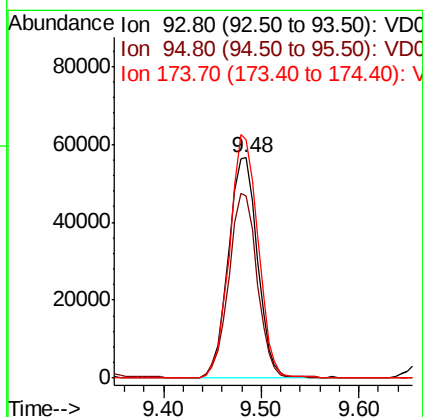
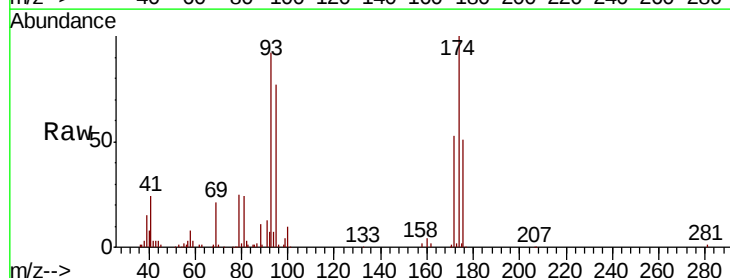
66.5

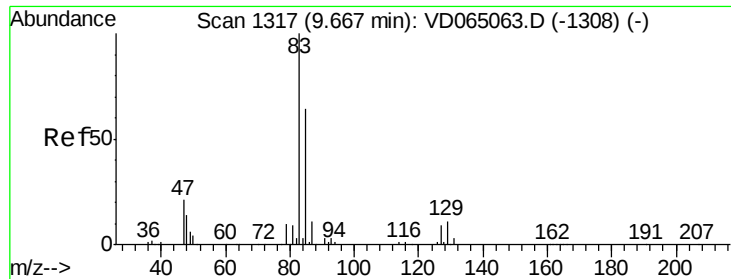
99.7

174 108.4

89.8

134.8





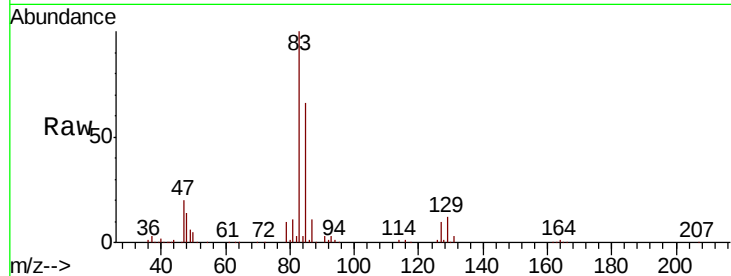
#47
Bromodichloromethane
Concen: 53.183 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

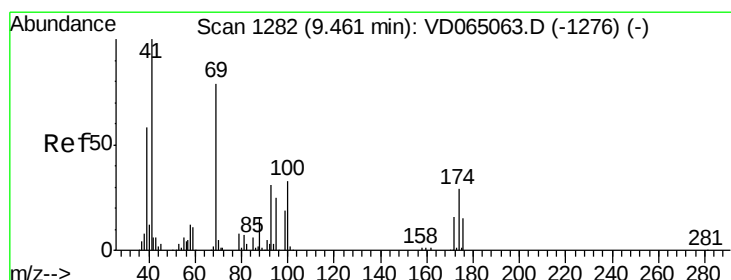
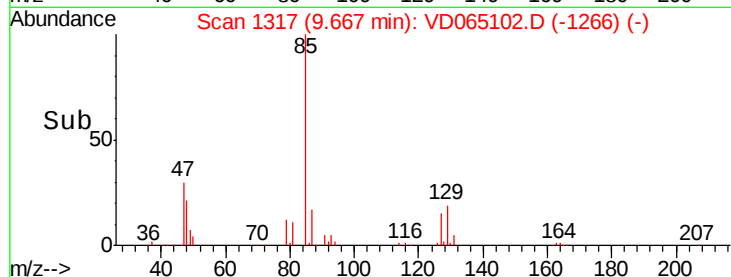
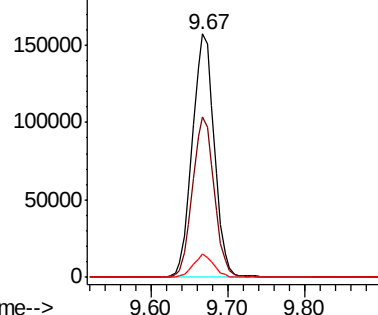
Tot Ion	Ratio	Resp	Lower	Upper
83	100	311951		
85	65.6	51.0	76.6	
127	9.7	7.3	10.9	

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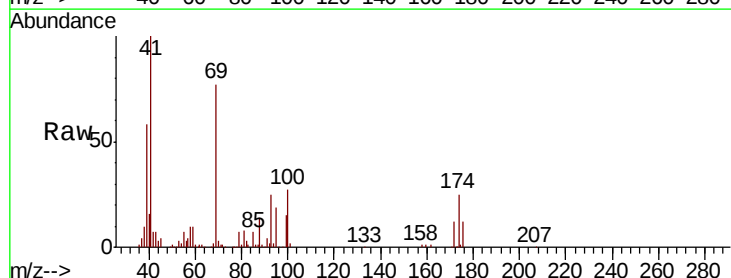


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

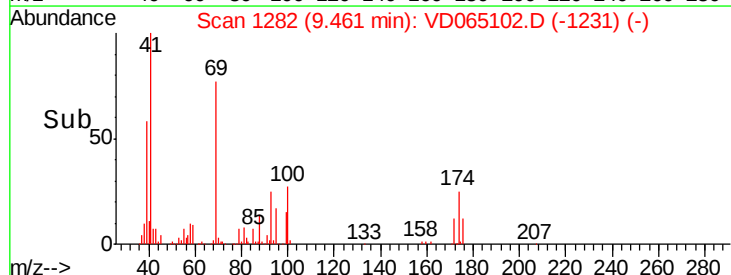
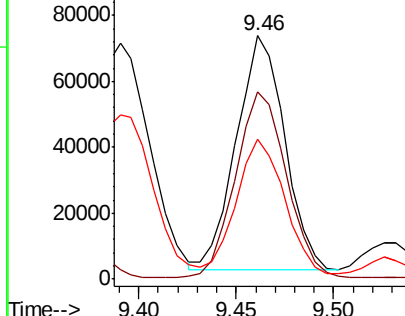


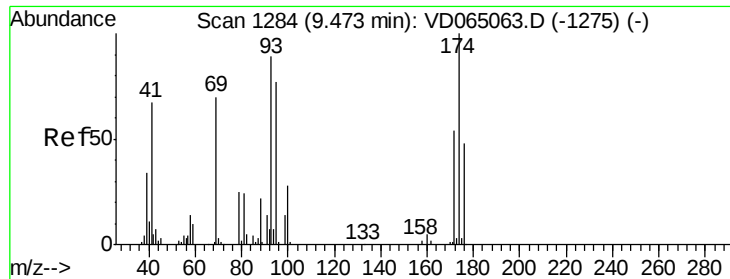
#48
Methyl methacrylate
Concen: 50.880 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	122426		
69	84.1	67.5	101.3	
39	56.0	47.0	70.4	



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





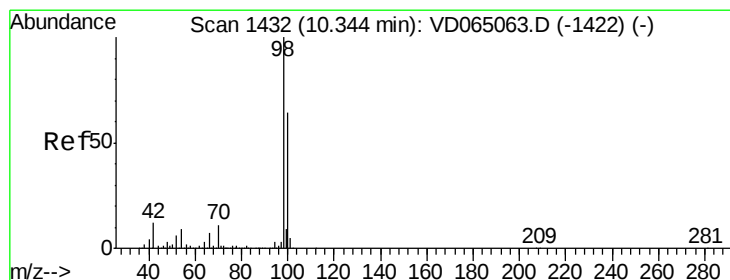
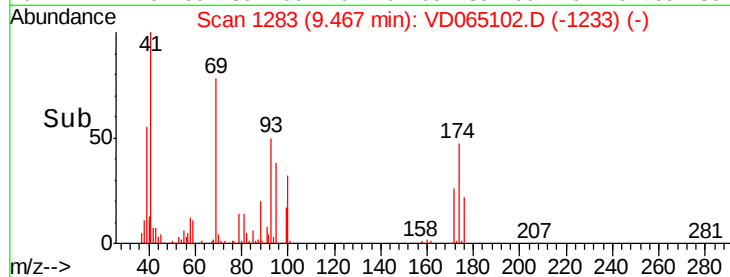
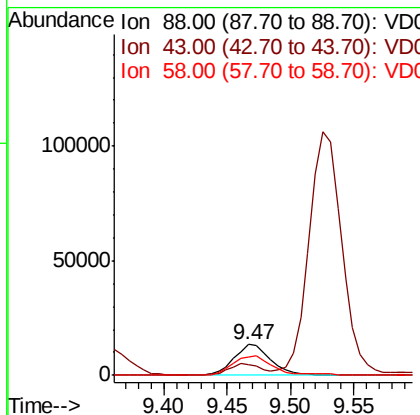
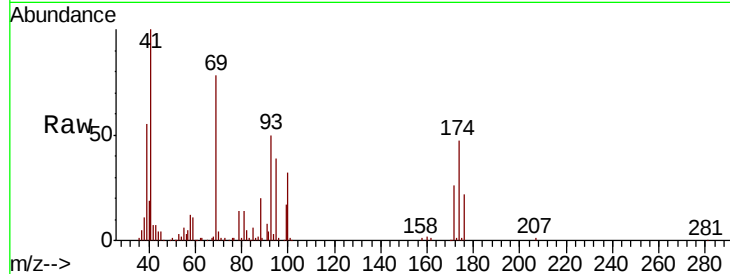
#49
1,4-Dioxane
Concen: 1028.531 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	27119
Ion Ratio	Lower	Upper	
88	100		
43	31.6	27.7	41.5
58	68.4	55.5	83.3

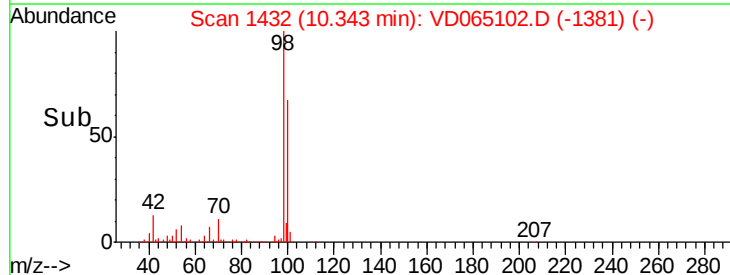
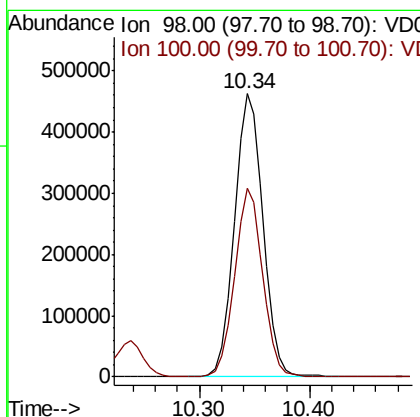
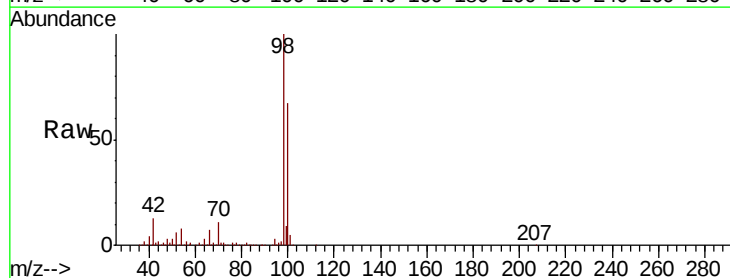
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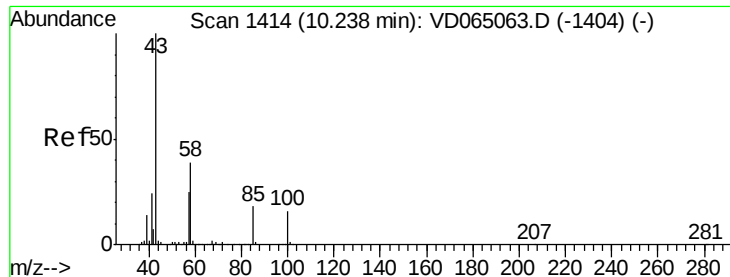
MMDadoda
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#50
Toluene-d8
Concen: 54.892 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	98	Resp	838825
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 265.324 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 653036

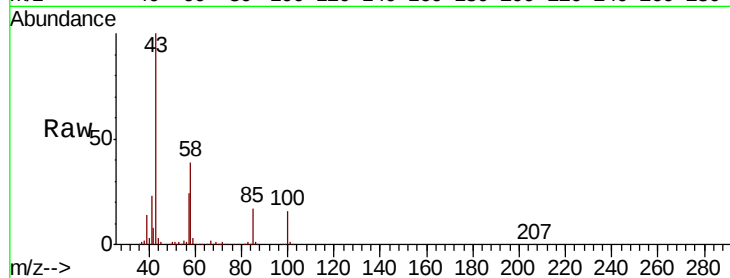
Ion Ratio Lower Upper

43 100

58 37.9 30.2 45.2

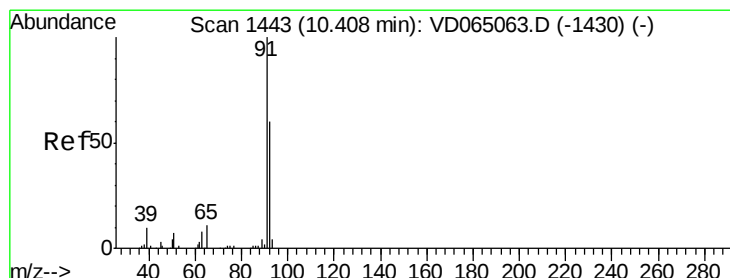
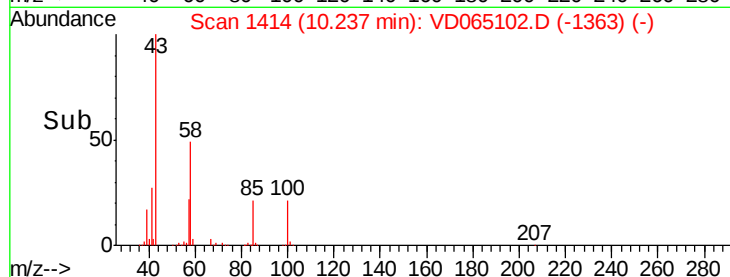
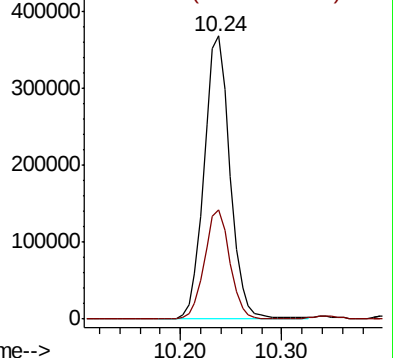
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 53.463 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065102.D

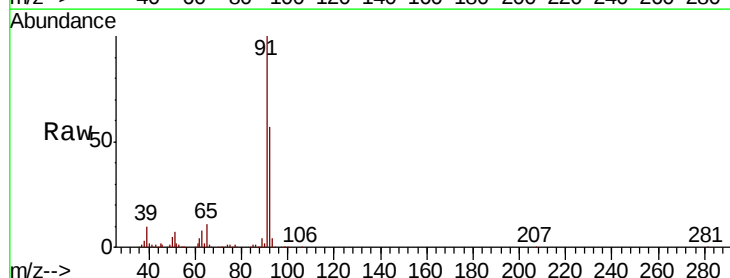
Acq: 07 Feb 2020 11:15

Tgt Ion: 92 Resp: 602911

Ion Ratio Lower Upper

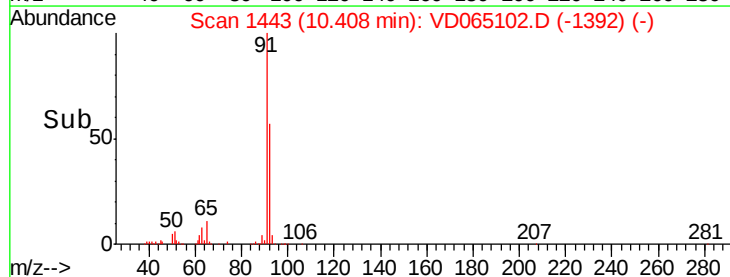
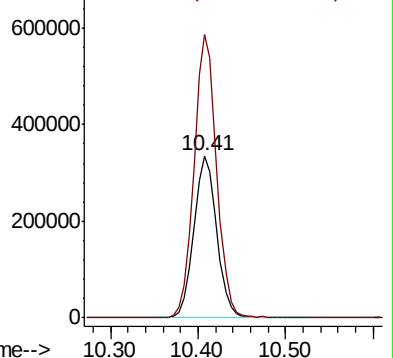
92 100

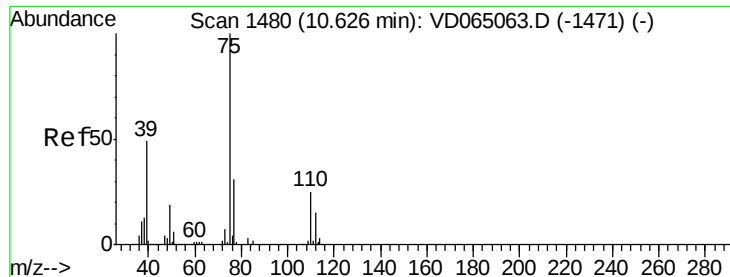
91 171.9 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





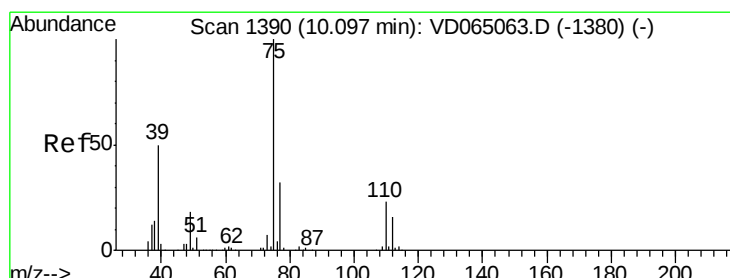
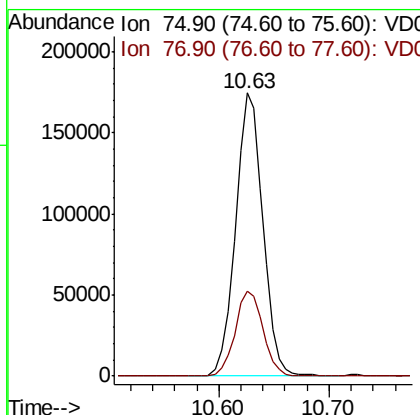
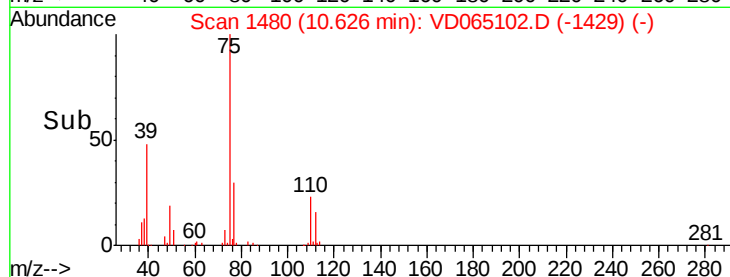
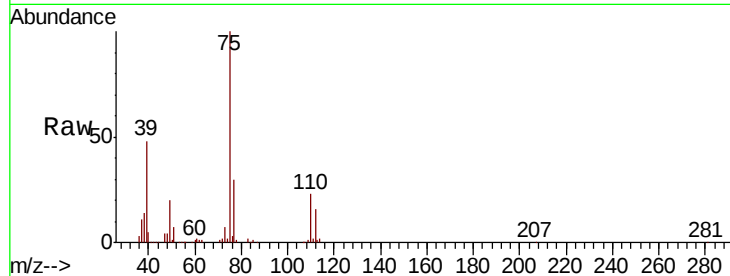
#53
t-1,3-Dichloropropene
Concen: 53.074 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.8	24.9	37.3

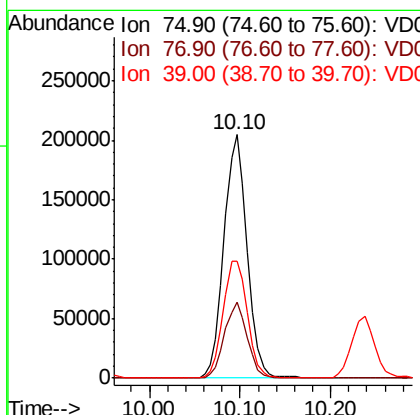
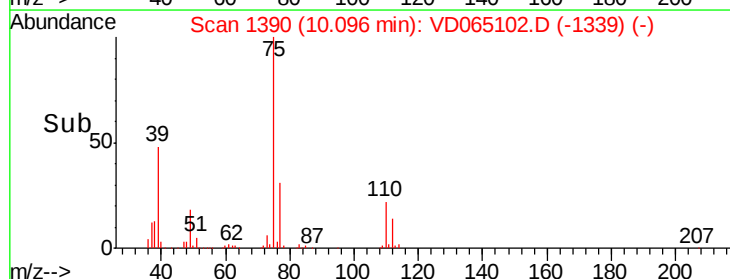
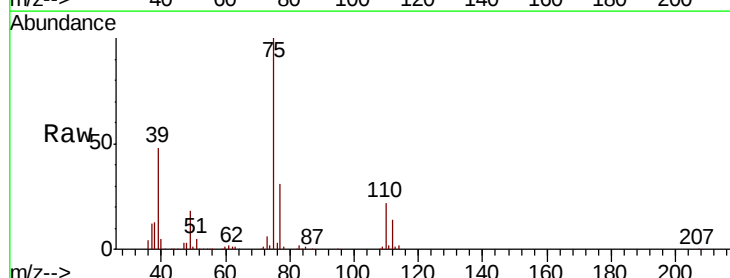
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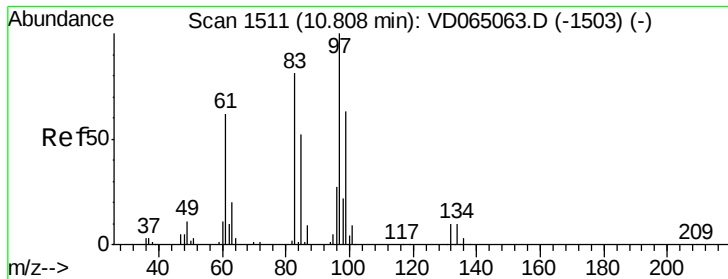
MMDadoda
2/10/2020 5:39:59 PM



#54
cis-1,3-Dichloropropene
Concen: 52.969 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.3	37.9
39	47.9	40.3	60.5





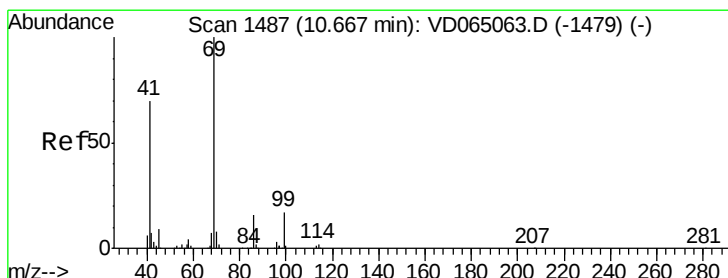
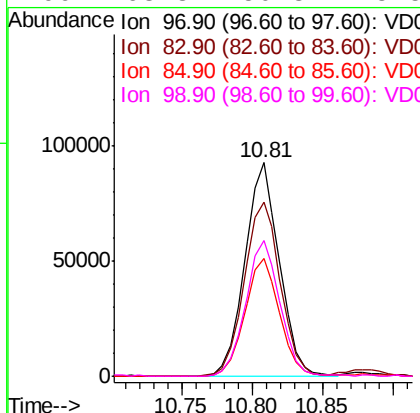
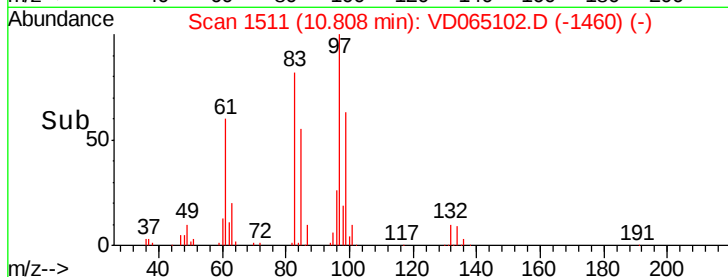
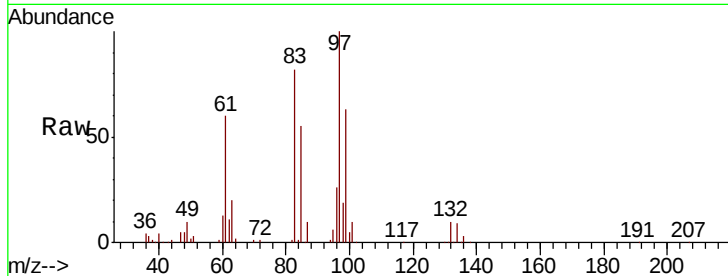
#55
 1,1,2-Trichloroethane
 Concen: 51.846 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	158308
Ion	Ratio	Lower	Upper
97	100		
83	81.8	64.8	97.2
85	54.9	41.2	61.8
99	63.3	50.3	75.5

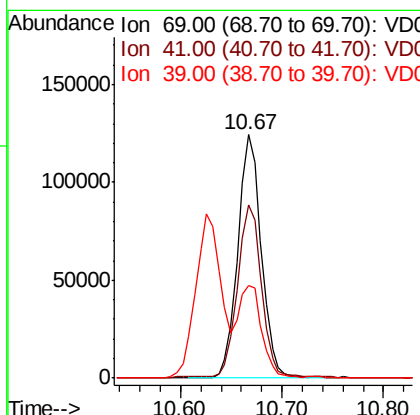
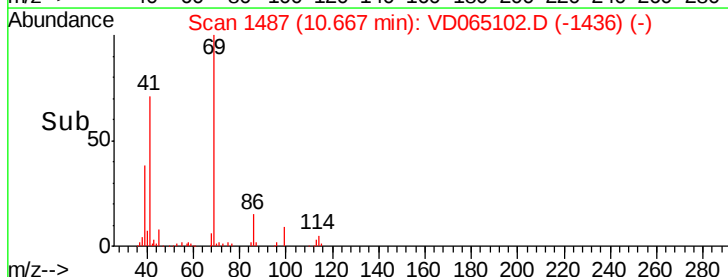
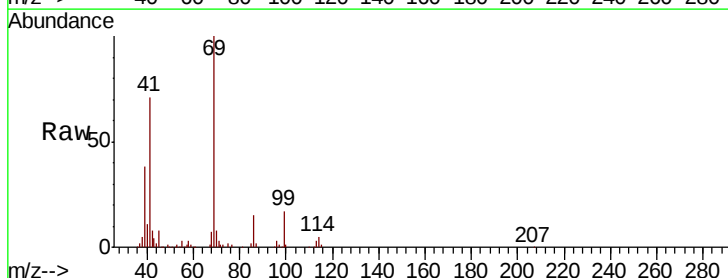
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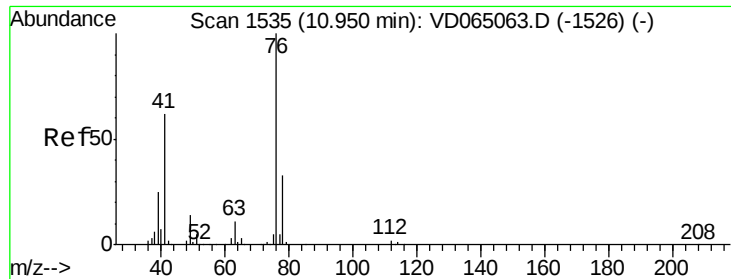
MMDadoda
 2/10/2020 5:39:59 PM



#56
 Ethyl methacrylate
 Concen: 51.968 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Tgt Ion:	69	Resp:	200777
Ion	Ratio	Lower	Upper
69	100		
41	71.1	55.9	83.9
39	37.8	29.4	44.0





#57

1,3-Dichloropropane

Concen: 52.276 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 280680

Ion Ratio Lower Upper

76 100

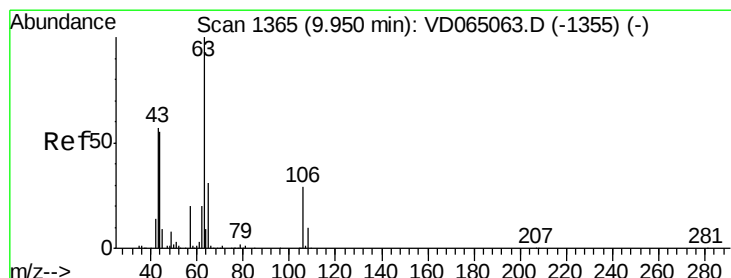
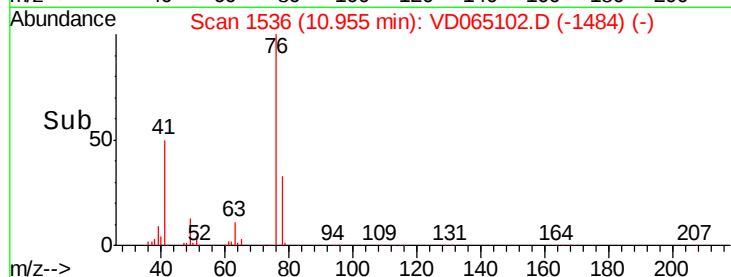
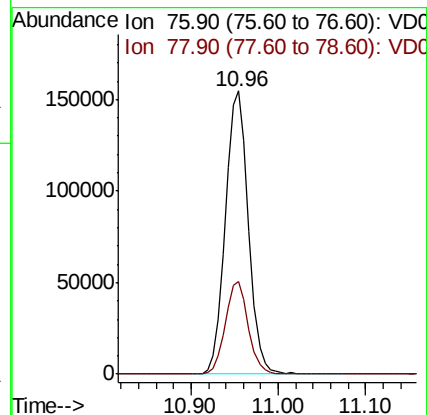
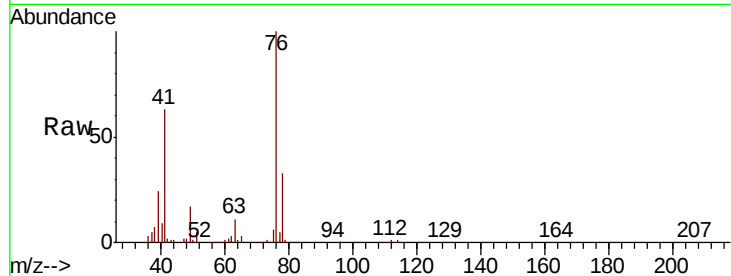
78 32.7 25.8 38.6

Manual Integrations

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2/10/2020 5:39:59 PM



#58

2-Chloroethyl Vinyl ether

Concen: 250.368 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065102.D

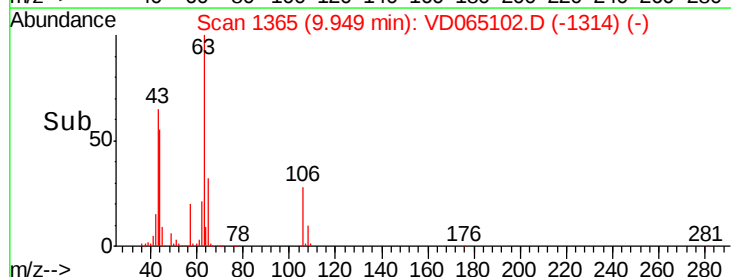
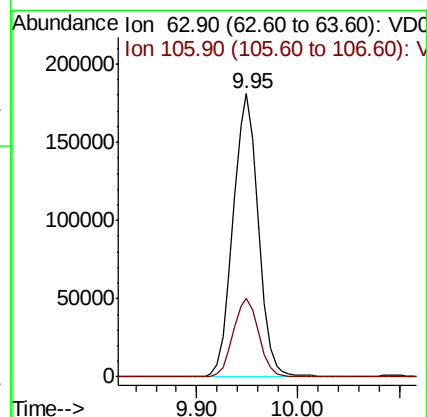
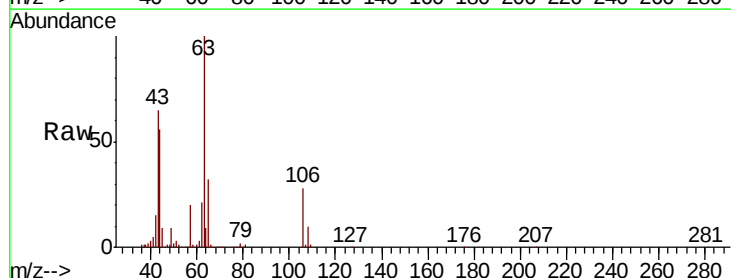
Acq: 07 Feb 2020 11:15

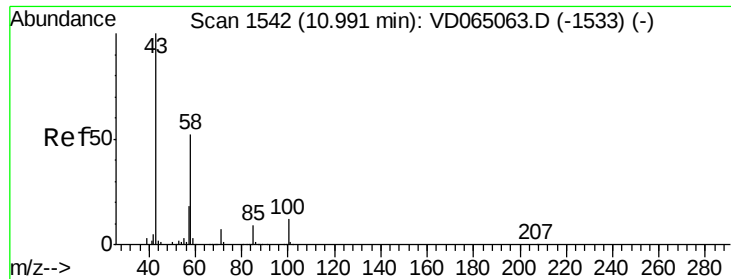
Tgt Ion: 63 Resp: 312493

Ion Ratio Lower Upper

63 100

106 28.0 23.3 34.9





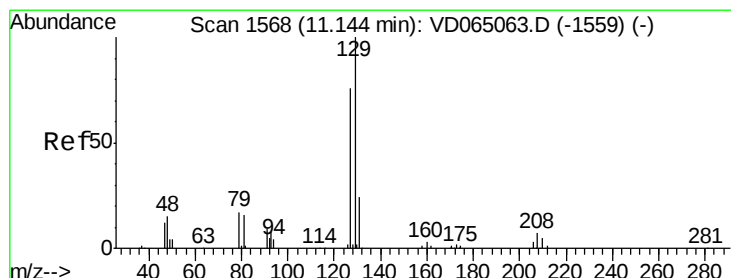
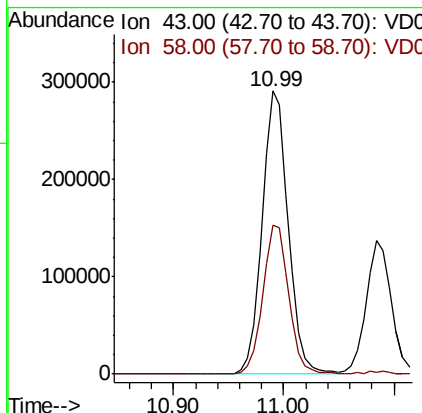
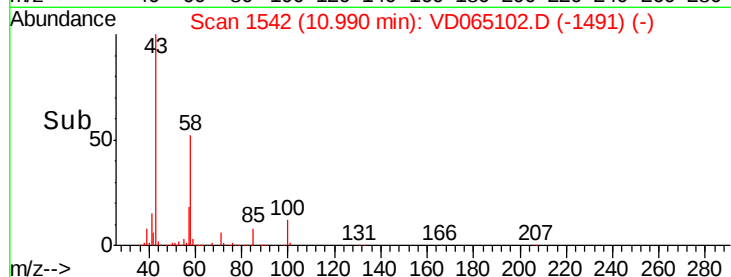
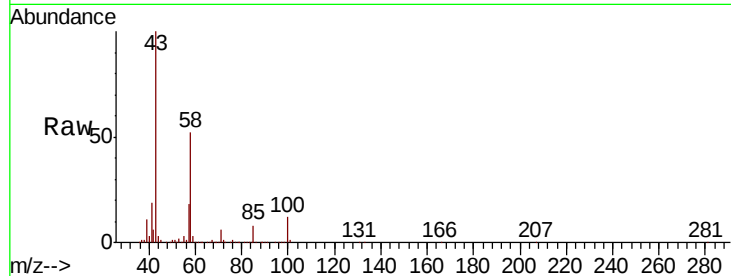
#59
2-Hexanone
Concen: 275.342 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.5	26.2	78.6

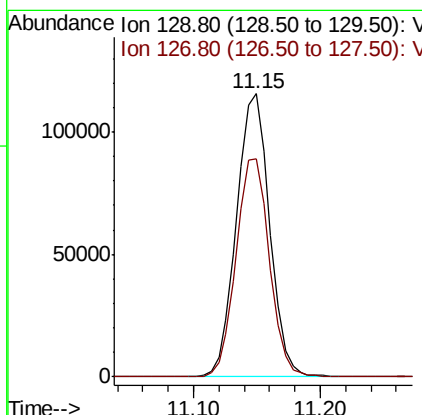
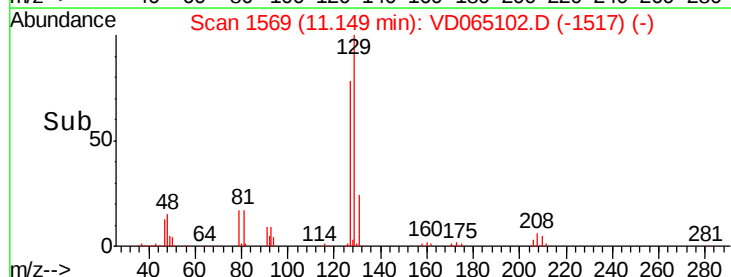
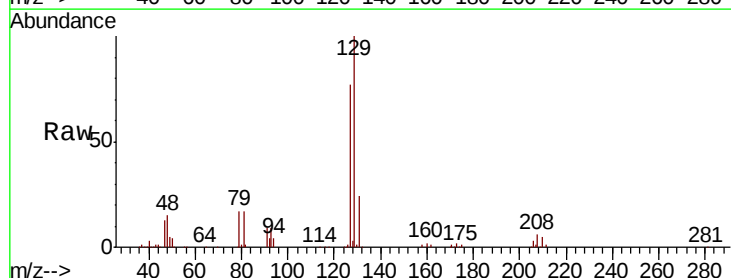
Manual Integrations
APPROVED

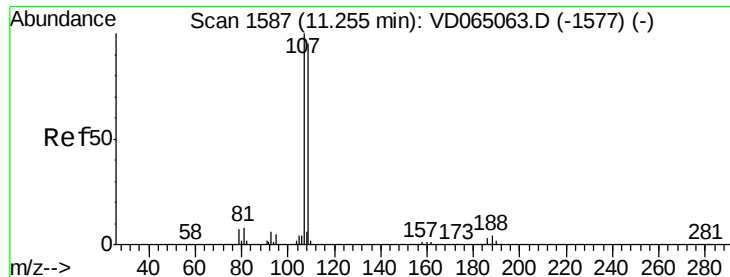
MMDadoda
2/10/2020 5:39:59 PM



#60
Dibromochloromethane
Concen: 53.093 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.3	114.9





#61

1,2-Dibromoethane

Concen: 52.168 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 155646

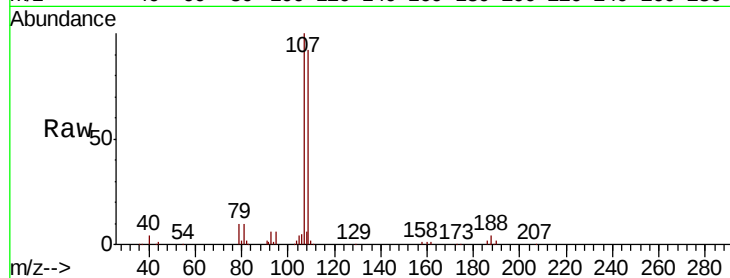
Ion Ratio Lower Upper

107 100

109 93.5 75.5 113.3

Manual Integrations
APPROVED

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2/10/2020 5:39:59 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.26

80000

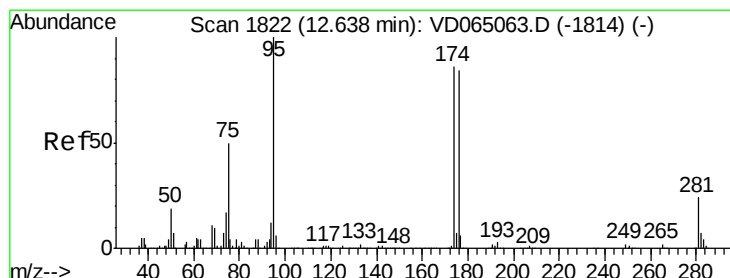
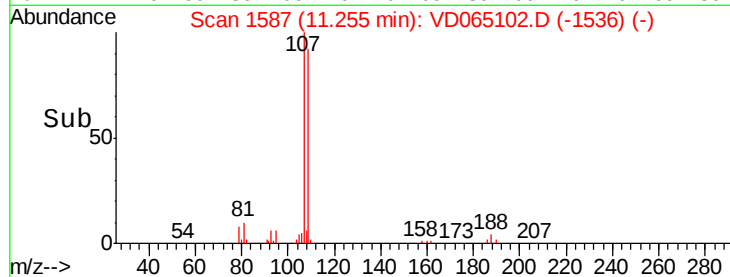
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.047 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

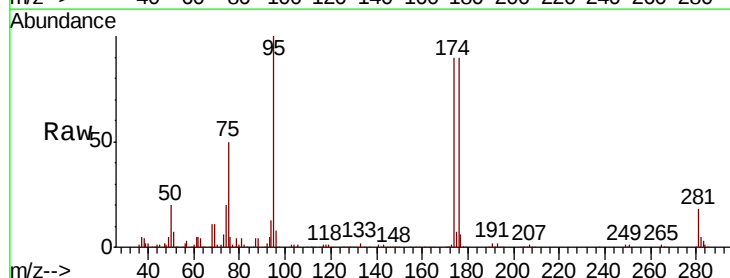
Tgt Ion: 95 Resp: 261700

Ion Ratio Lower Upper

95 100

174 89.4 0.0 180.0

176 86.6 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

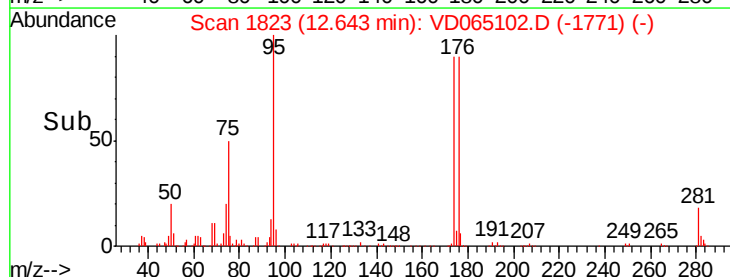
150000

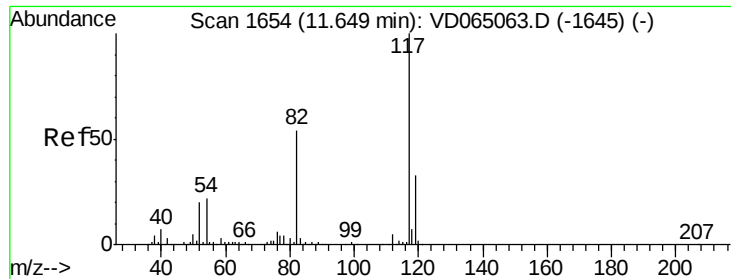
100000

50000

0

Time-->





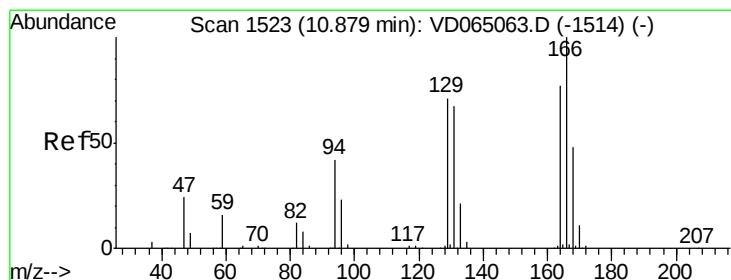
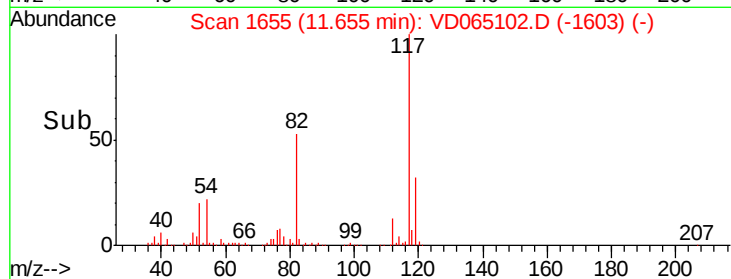
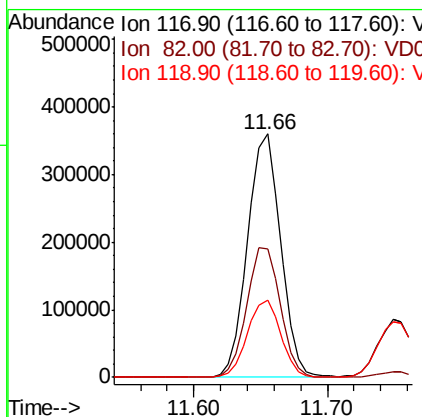
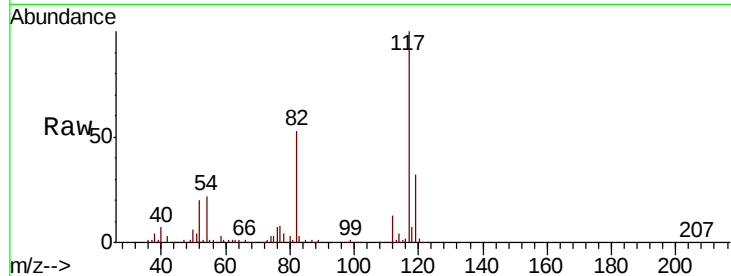
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.1	64.7
119	31.9	26.0	39.0

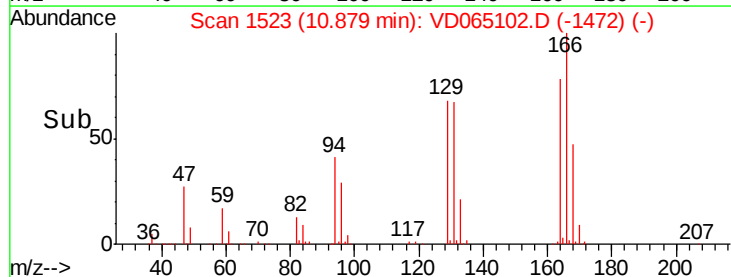
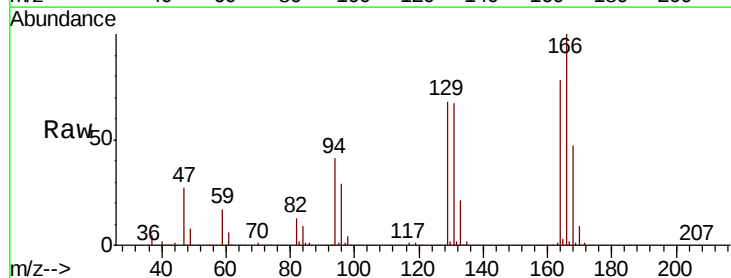
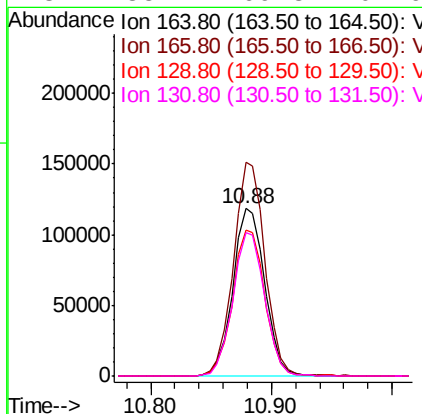
Manual Integrations
APPROVED

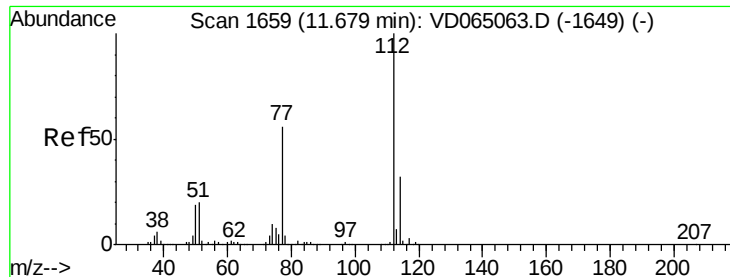
MMDadoda
2/10/2020 5:39:59 PM



#64
Tetrachloroethene
Concen: 49.018 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.5	155.3
129	87.3	73.3	109.9
131	85.4	69.8	104.6





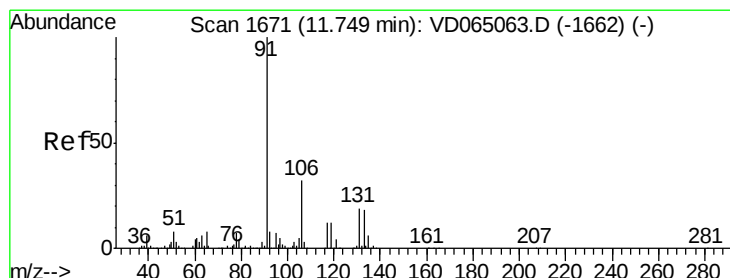
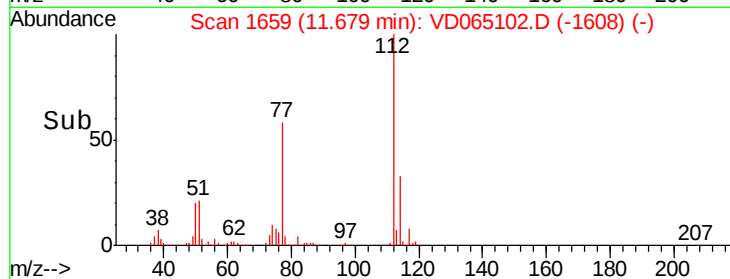
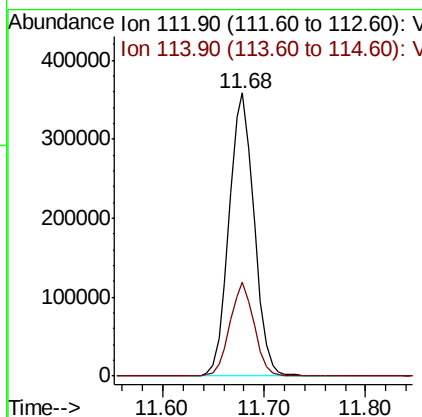
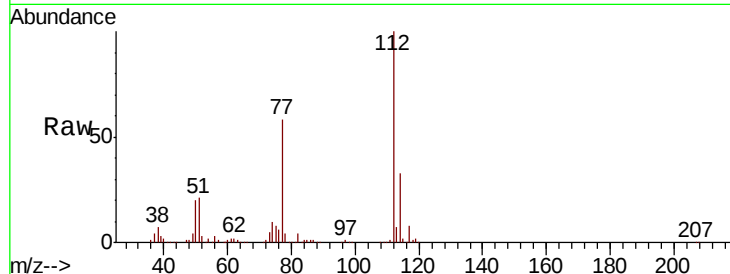
#65
Chlorobenzene
Concen: 51.387 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.4	38.0

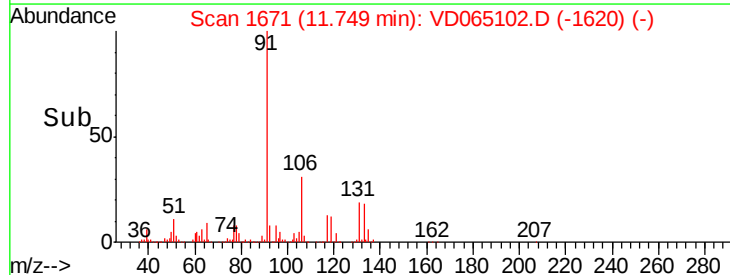
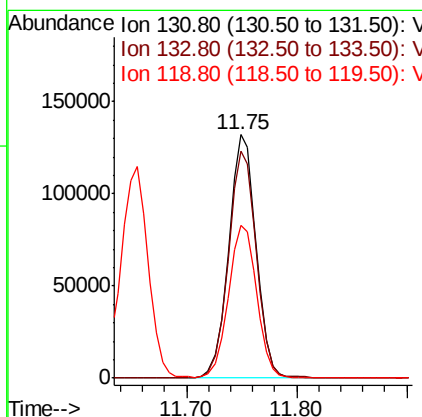
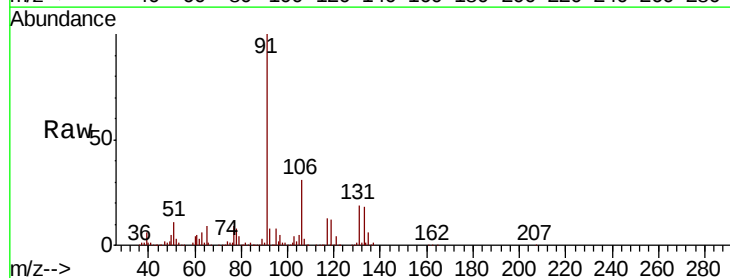
Manual Integrations
APPROVED

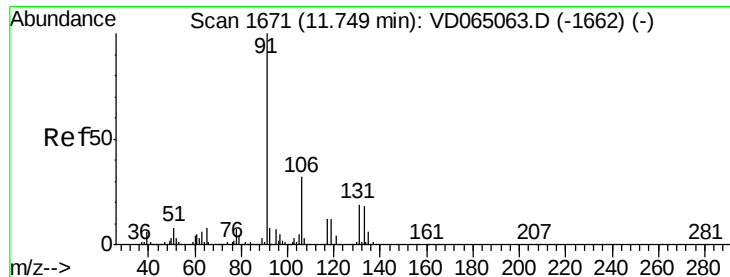
MMDadoda
2/10/2020 5:39:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.880 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.7	143.1
119	65.1	31.3	93.8





#67

Ethyl Benzene

Concen: 52.492 ug/l

RT: 11.76 min Scan# 1672

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1139485

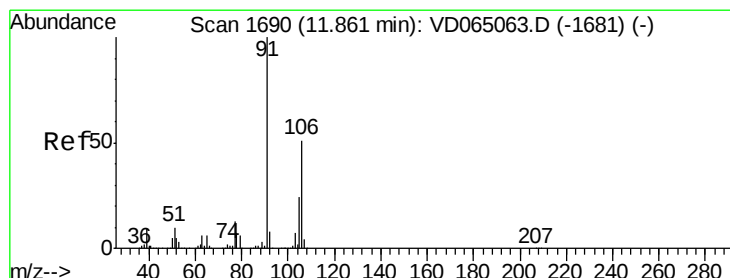
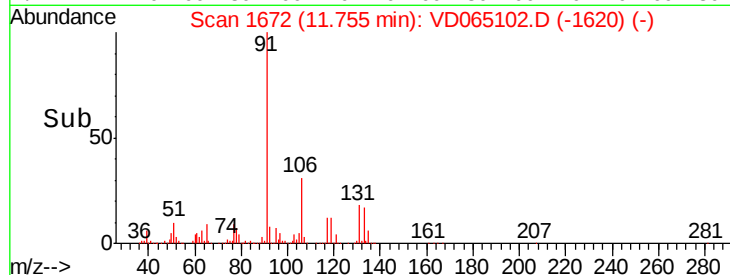
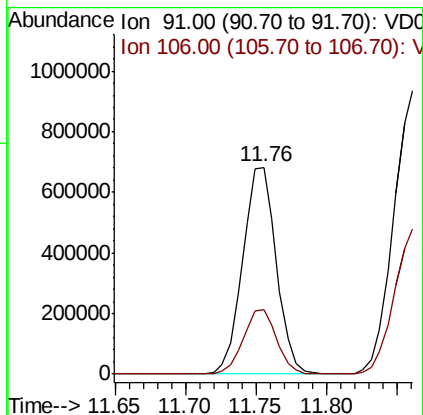
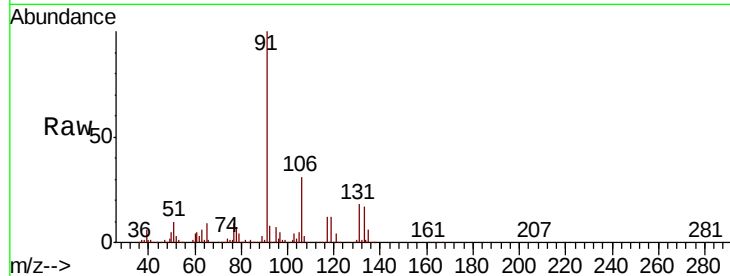
Ion Ratio Lower Upper

91 100

106 31.4 25.4 38.2

Manual Integrations
APPROVED

MMDadoda
2/10/2020 5:39:59 PM



#68

m/p-Xylenes

Concen: 106.470 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065102.D

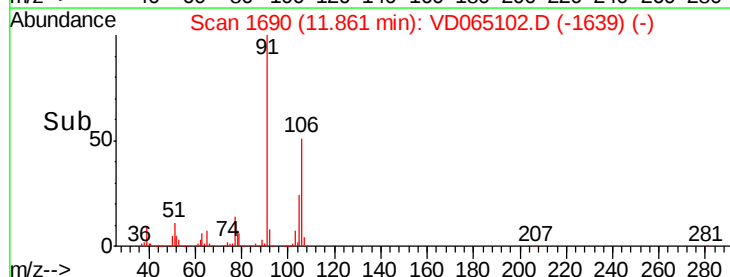
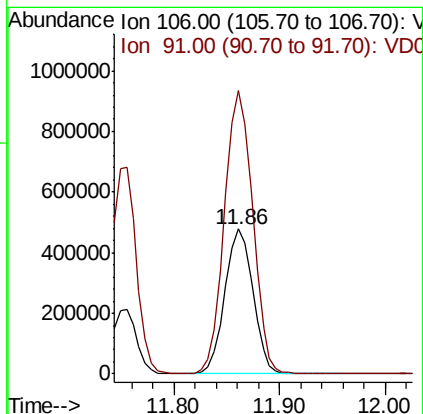
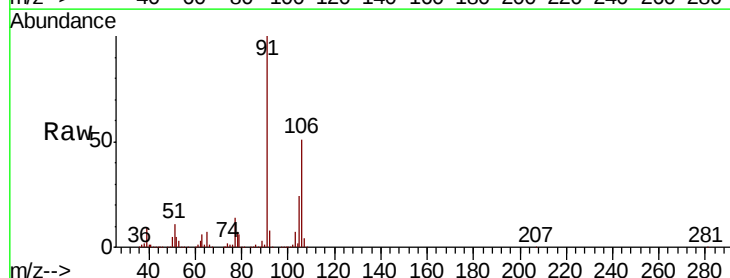
Acq: 07 Feb 2020 11:15

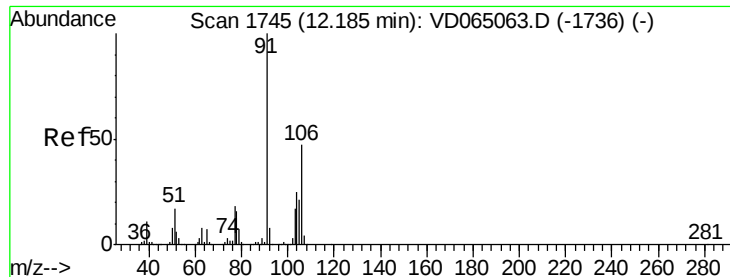
Tgt Ion: 106 Resp: 882130

Ion Ratio Lower Upper

106 100

91 197.0 158.9 238.3





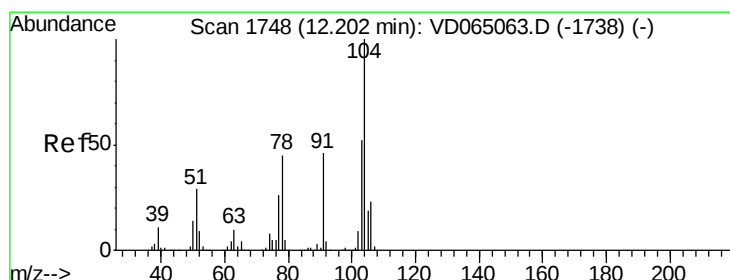
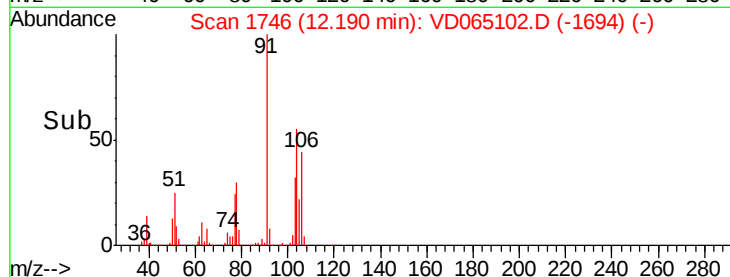
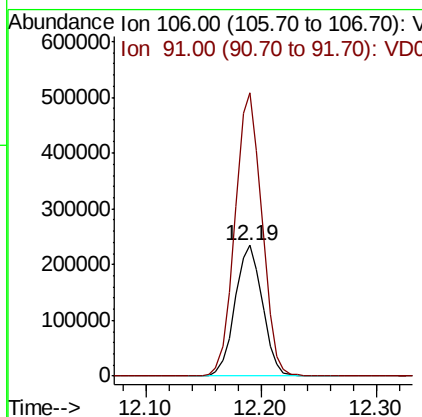
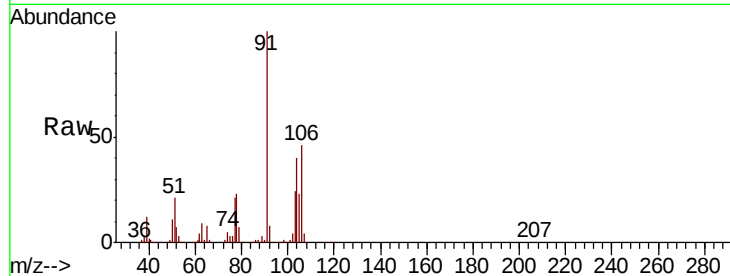
#69
o-Xylene
Concen: 51.717 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.7	104.7	313.9

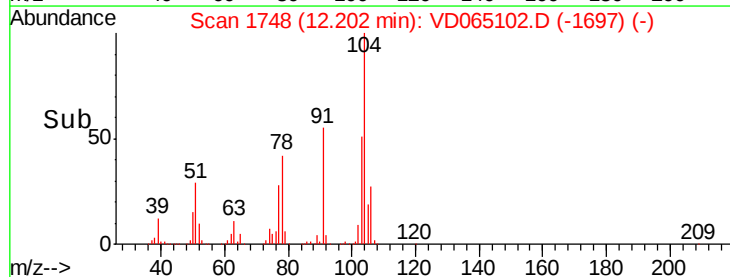
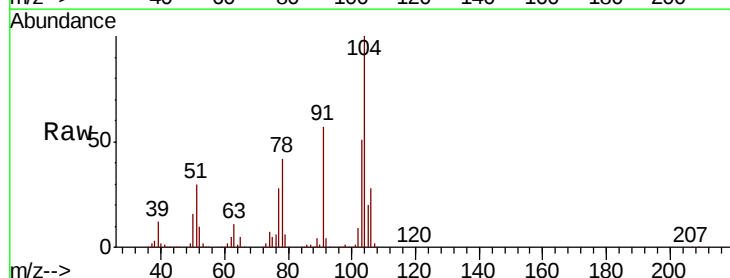
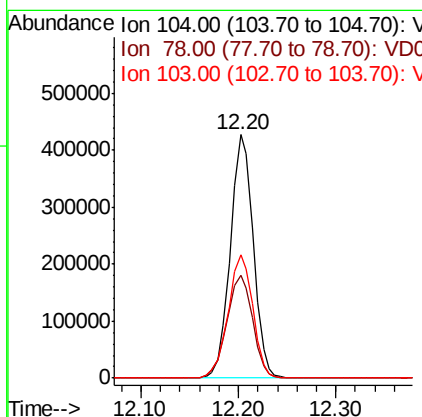
Manual Integrations
APPROVED

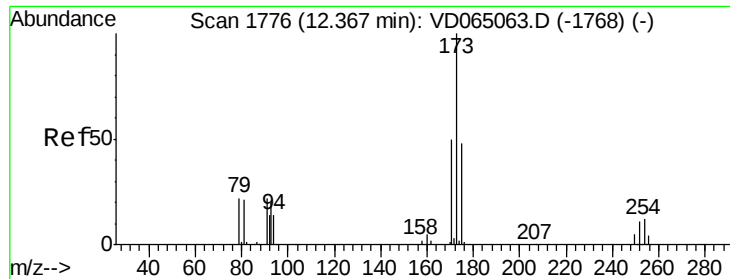
MMDadoda
2/10/2020 5:39:59 PM



#70
Styrene
Concen: 53.683 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	38.5	57.7
103	54.4	43.8	65.8





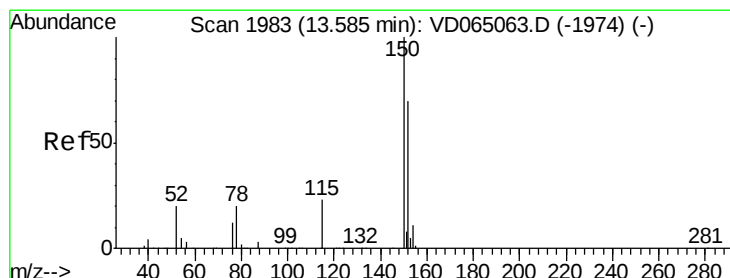
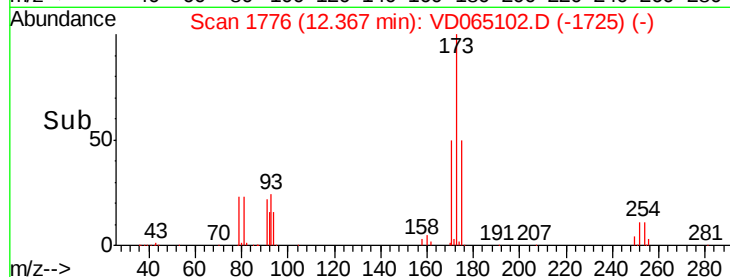
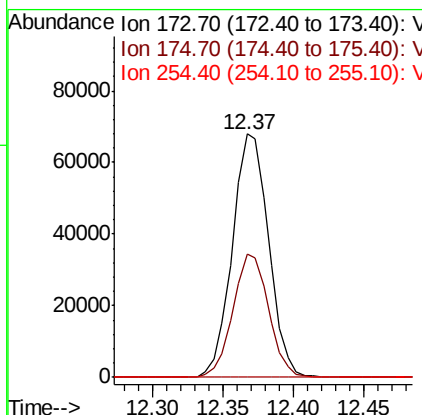
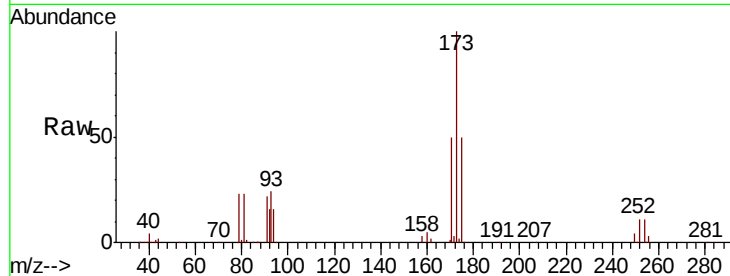
#71
Bromoform
Concen: 51.501 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	72.8
254	0.1	0.1	0.1

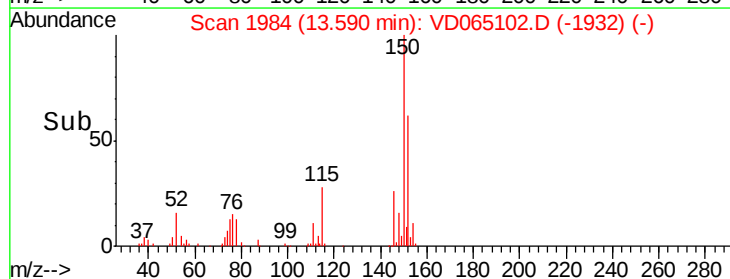
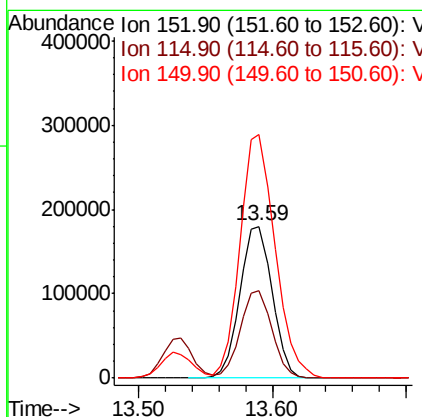
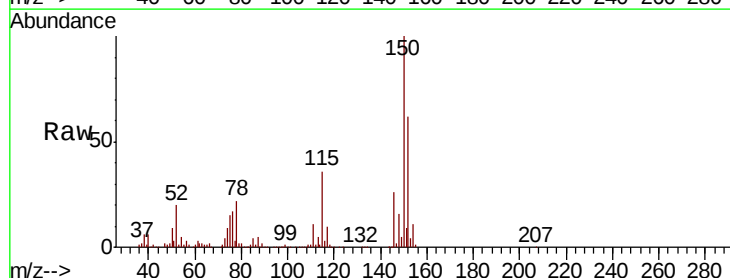
Manual Integrations
APPROVED

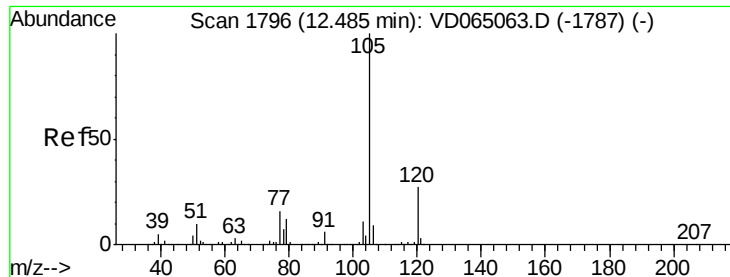
MMDadoda
2/10/2020 5:39:59 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.59 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.5	82.4
150	173.7	0.0	343.2





#73

Isopropylbenzene

Concen: 51.525 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1064224

Ion Ratio Lower Upper

105 100

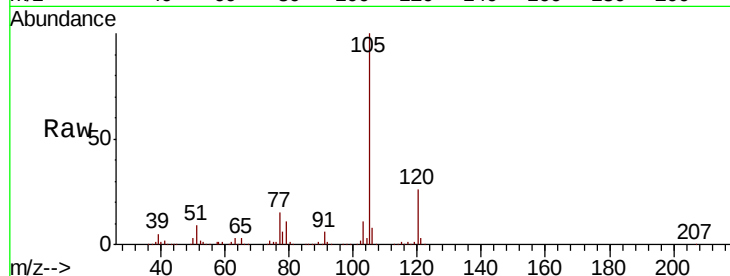
120 26.4 13.3 39.9

Manual Integrations

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2/10/2020 5:39:59 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

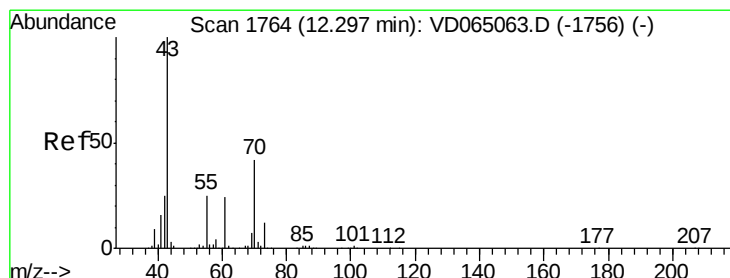
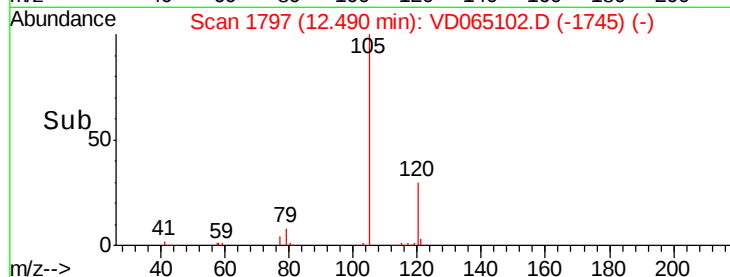
400000

200000

0

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 51.449 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Tgt Ion: 43 Resp: 230972

Ion Ratio Lower Upper

43 100

70 41.7 33.5 50.3

55 25.1 19.4 29.2

61 23.5 18.6 28.0

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

200000

150000

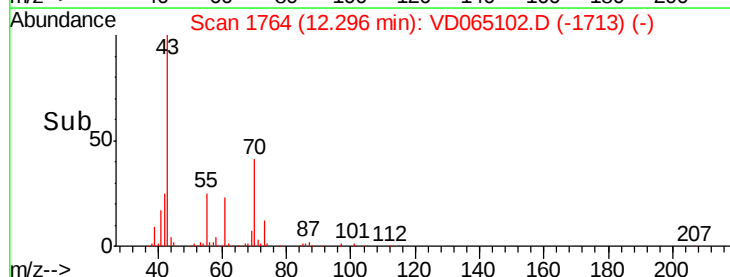
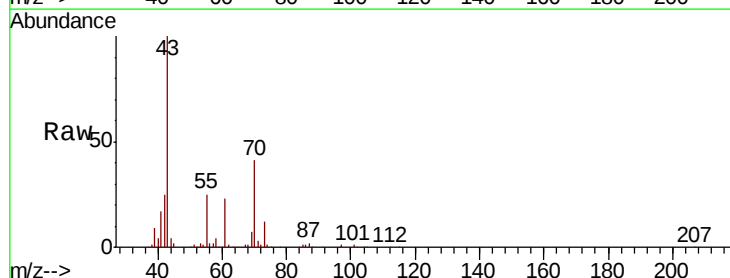
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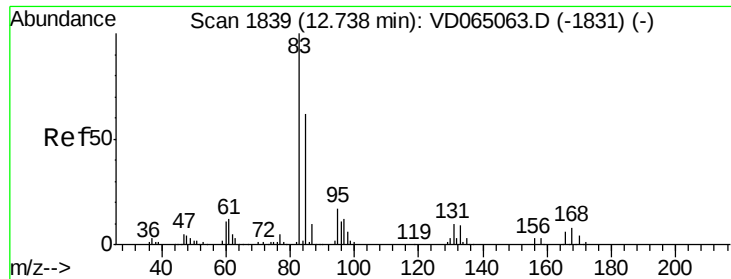
50000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.406 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

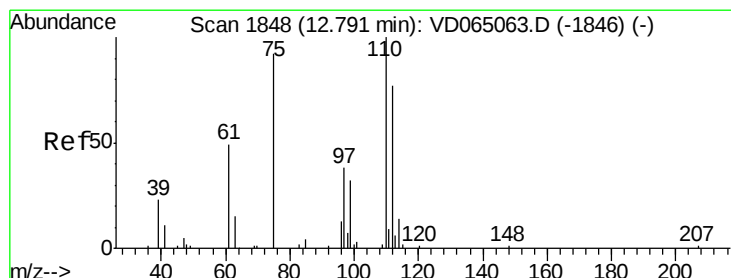
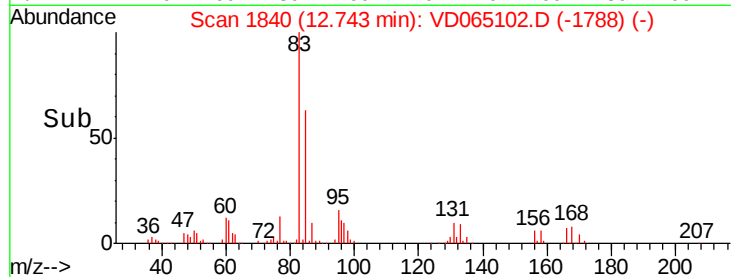
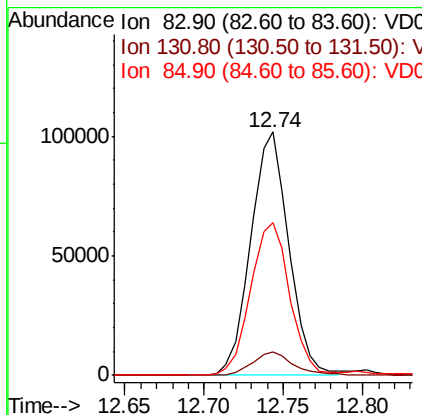
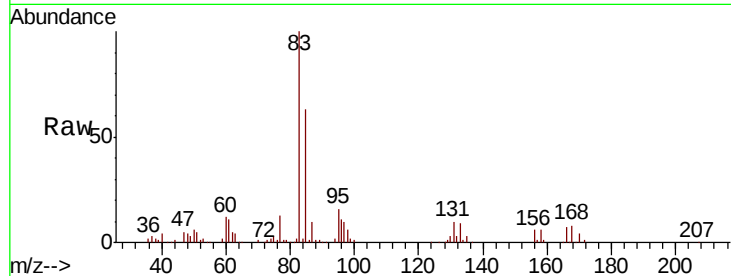
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	170355
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.5	16.4
85	64.6	31.8	95.4

Manual Integrations
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2/10/2020 5:39:59 PM



#76

1,2,3-Trichloropropane

Concen: 44.826 ug/l m

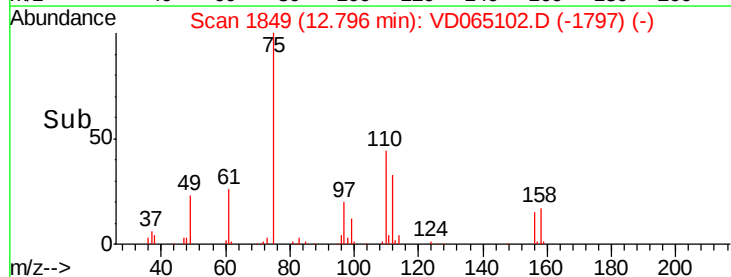
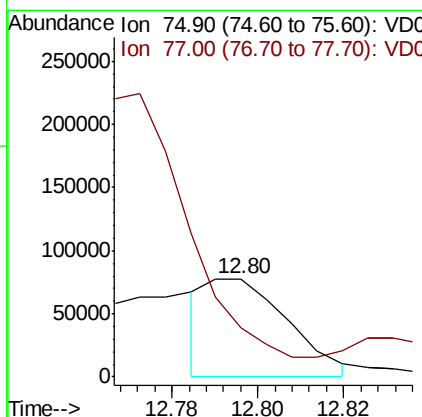
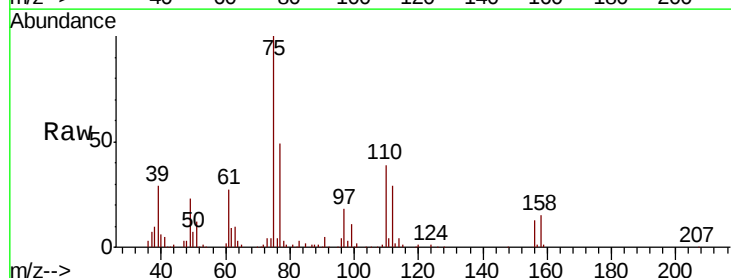
RT: 12.80 min Scan# 1849

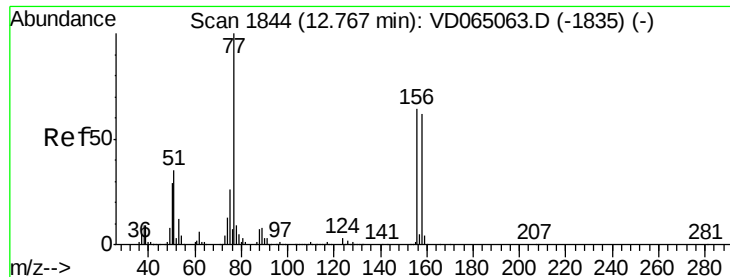
Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Tgt Ion:	75	Resp:	102129
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.940 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

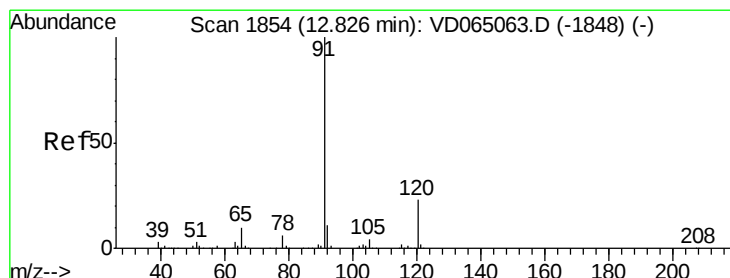
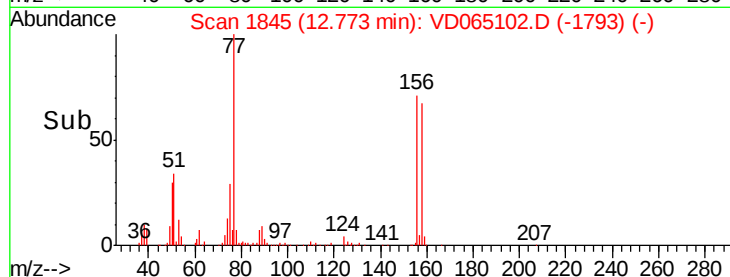
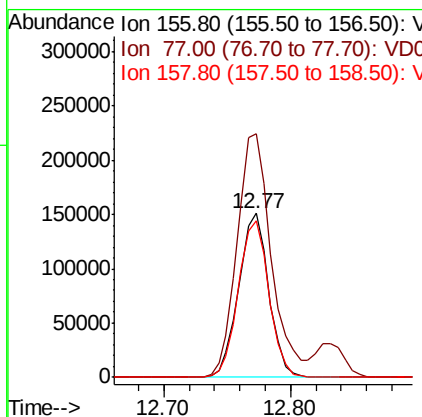
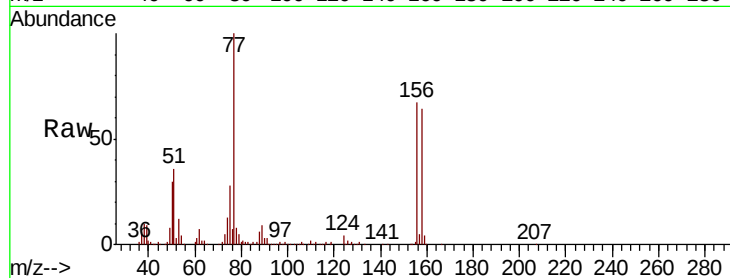
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	248516
Ion Ratio	Lower	Upper	
156	100		
77	170.7	85.6	256.8
158	96.7	47.4	142.2

Manual Integrations
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#78

n-propylbenzene

Concen: 52.700 ug/l

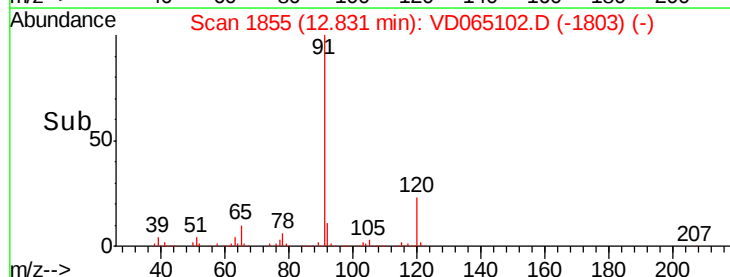
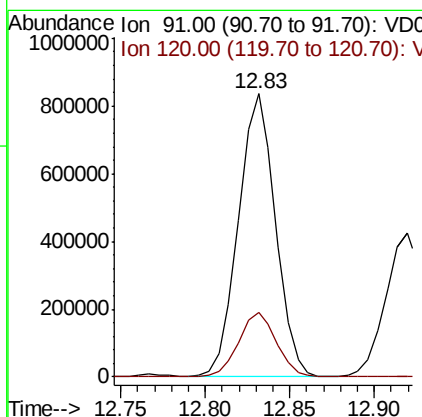
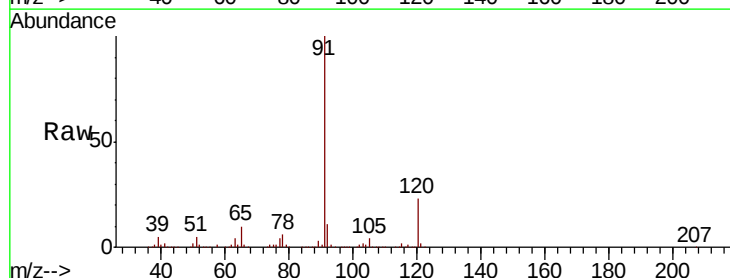
RT: 12.83 min Scan# 1855

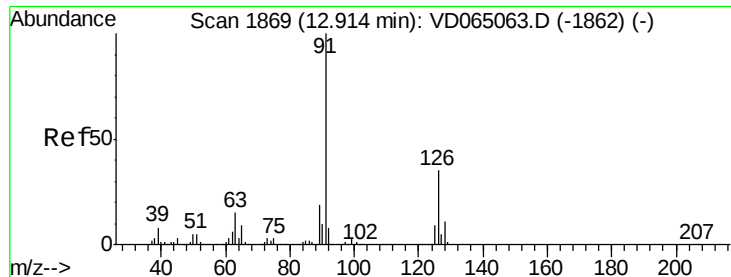
Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Tgt Ion:	91	Resp:	1274715
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.8	35.3





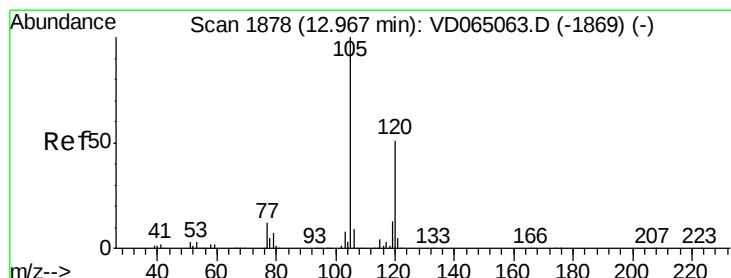
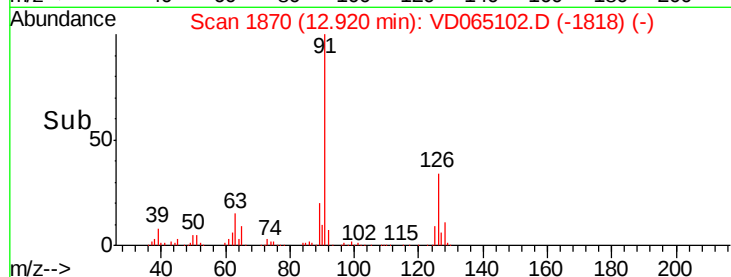
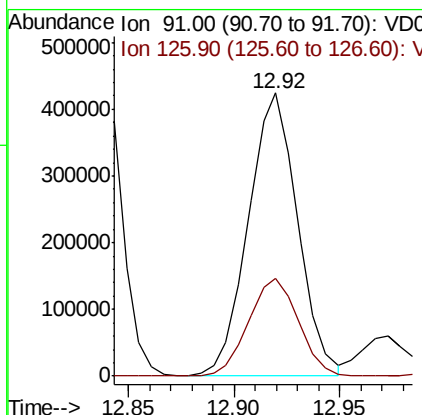
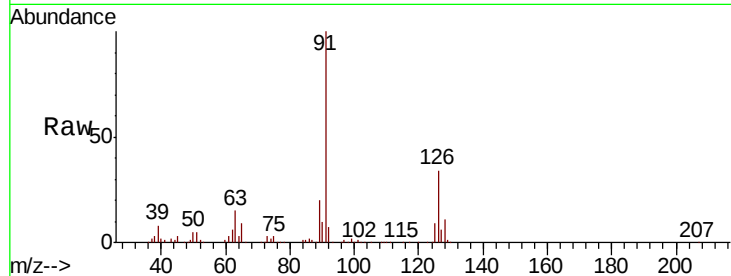
#79
2-Chlorotoluene
Concen: 50.754 ug/l
RT: 12.92 min Scan# 1870
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 684307
Ion Ratio Lower Upper
91 100
126 35.3 17.4 52.3

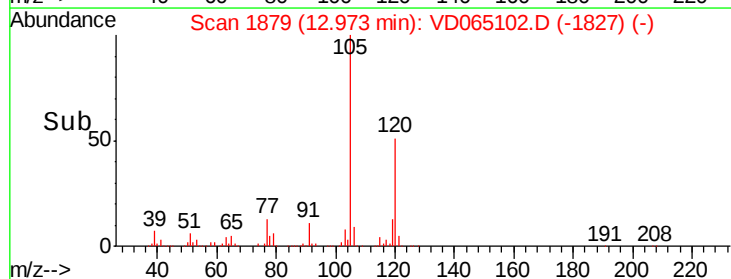
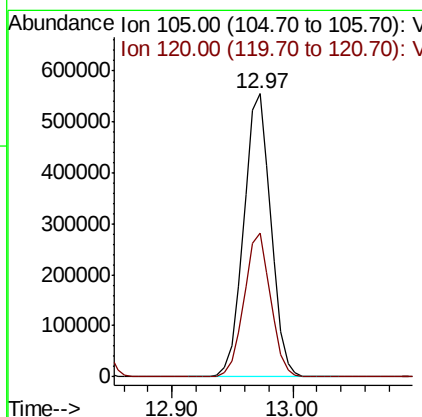
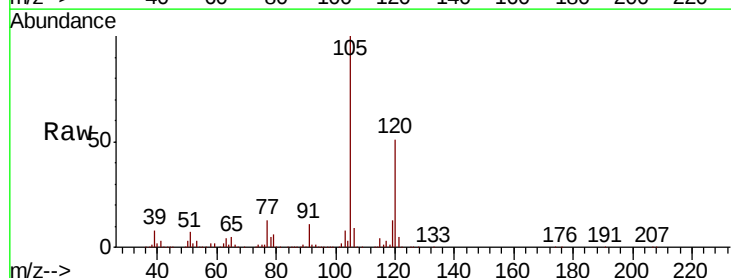
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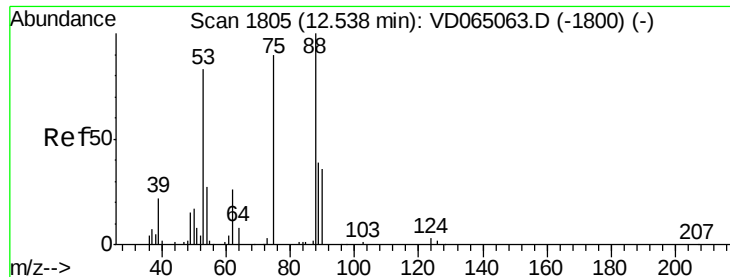
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#80
1,3,5-Trimethylbenzene
Concen: 51.342 ug/l
RT: 12.97 min Scan# 1879
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion: 105 Resp: 867543
Ion Ratio Lower Upper
105 100
120 49.9 25.1 75.4





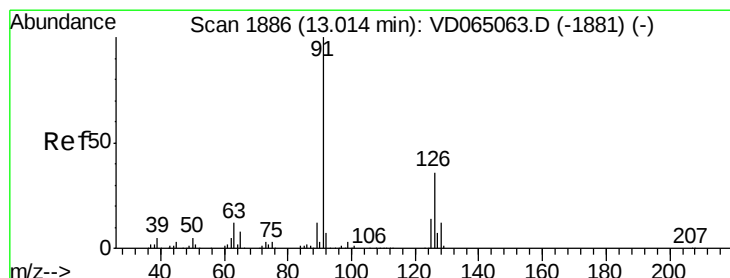
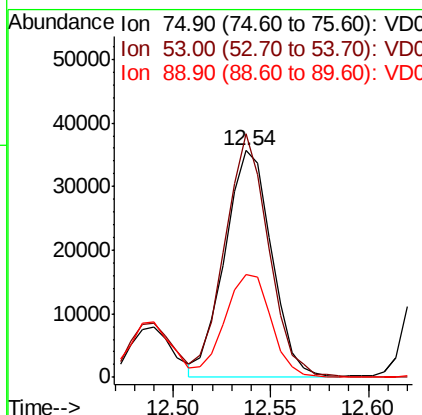
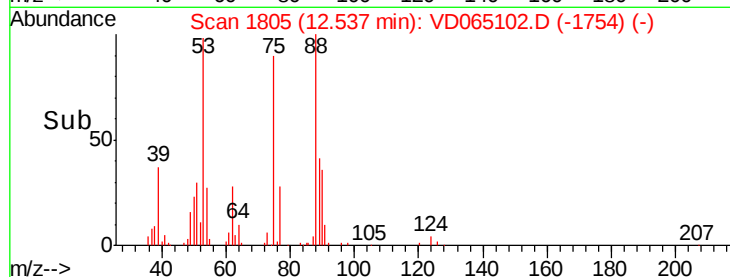
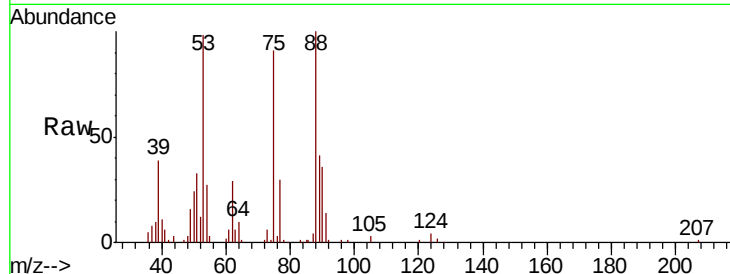
#81
trans-1,4-Dichloro-2-butene
Concen: 51.528 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.7	78.5	117.7
89	45.7	37.0	55.4

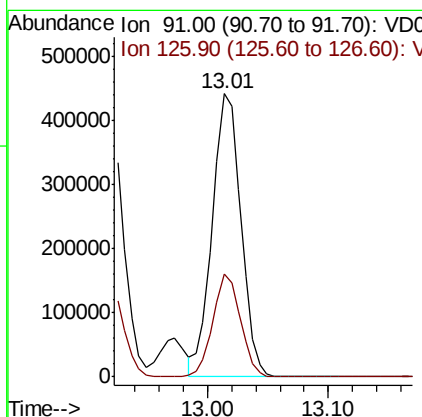
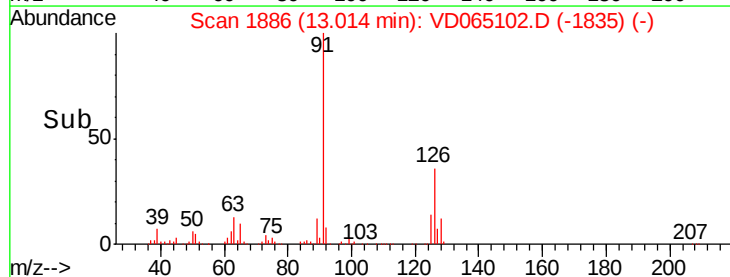
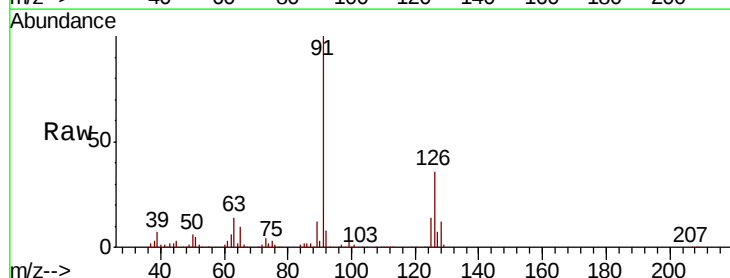
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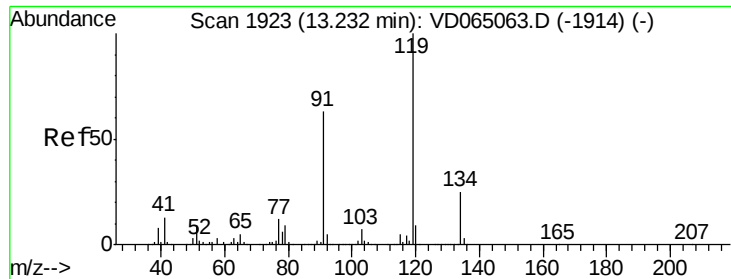
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#82
4-Chlorotoluene
Concen: 51.050 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.5	52.5





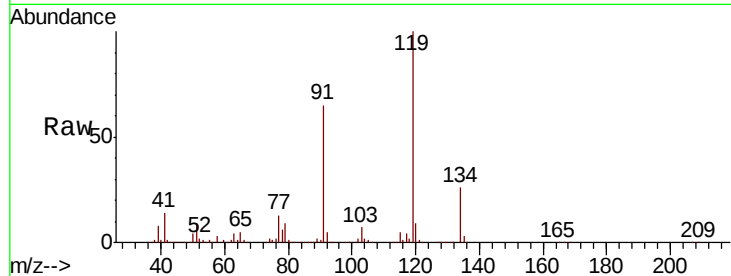
#83
tert-Butylbenzene
Concen: 50.919 ug/l
RT: 13.24 min Scan# 1924
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

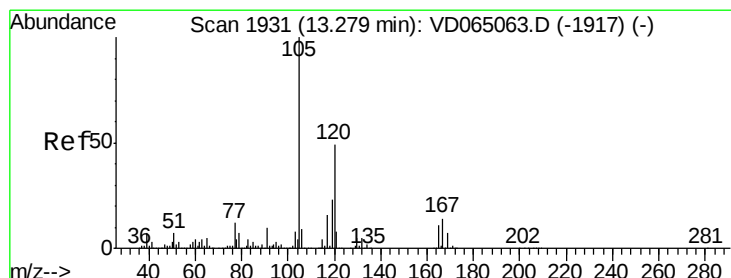
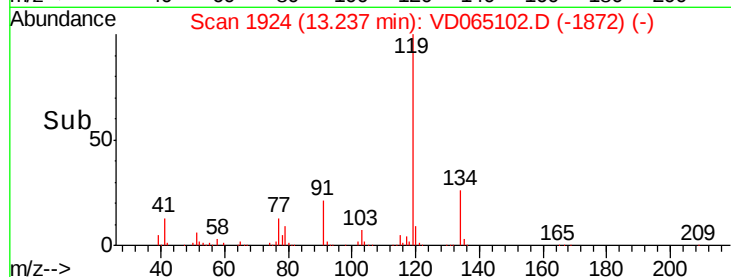
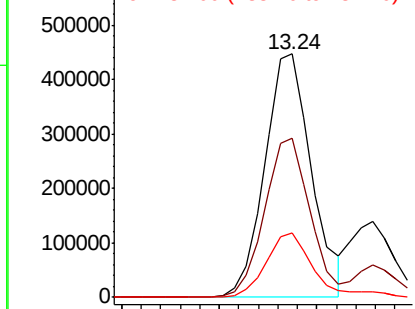
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	32.3	96.9
134	27.1	13.8	41.3

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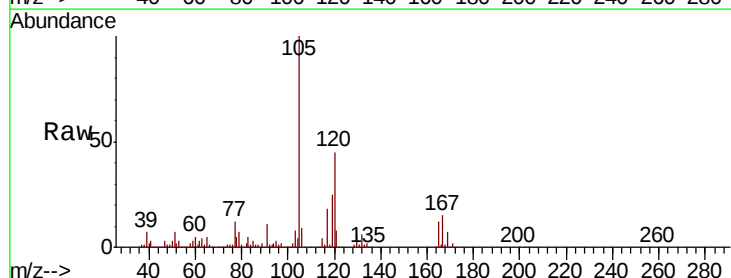


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

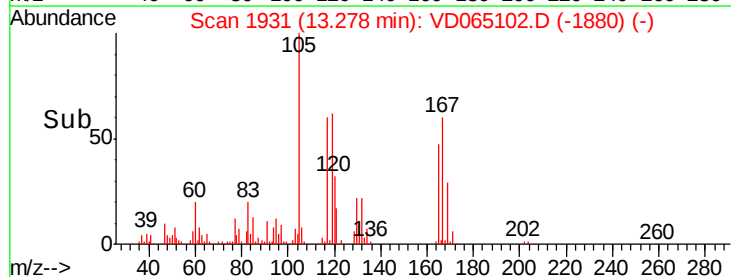
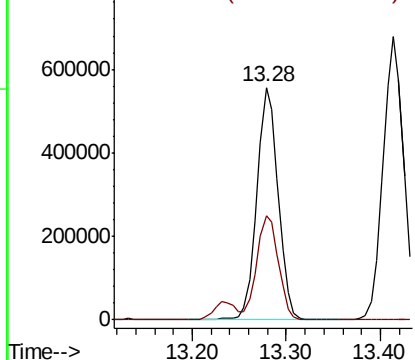


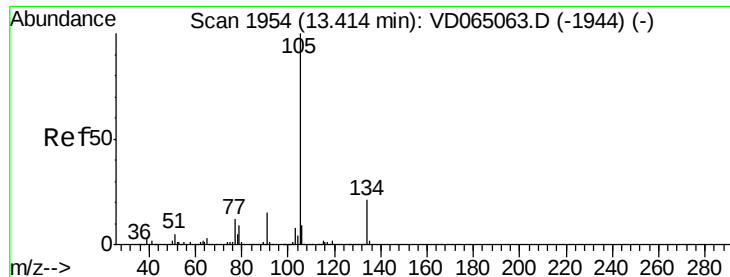
#84
1,2,4-Trimethylbenzene
Concen: 51.871 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.5	70.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.736 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1030087

Ion Ratio Lower Upper

105 100

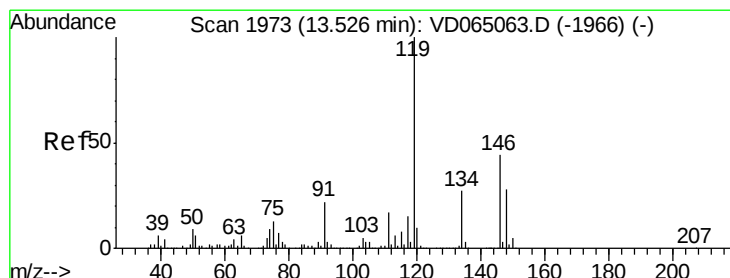
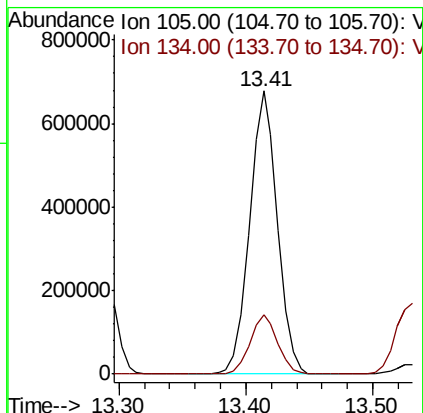
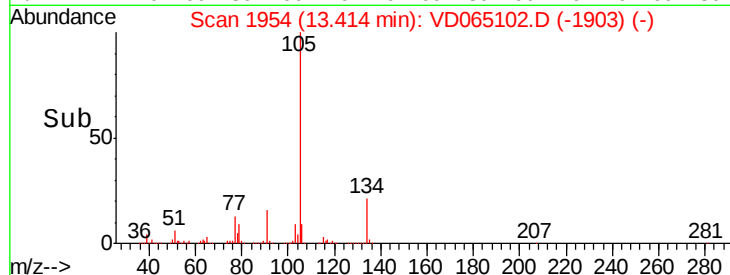
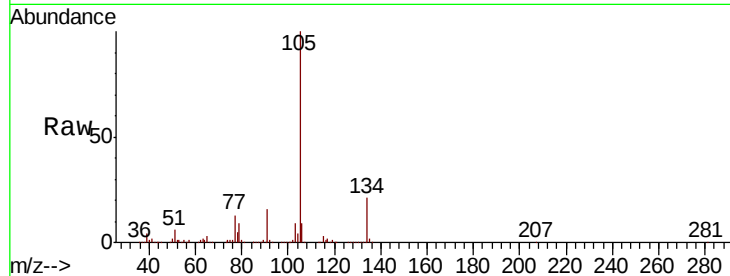
134 20.8 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 52.326 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

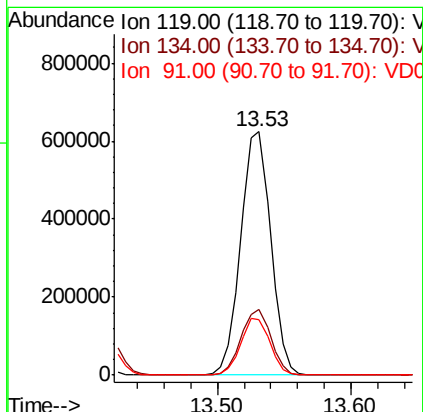
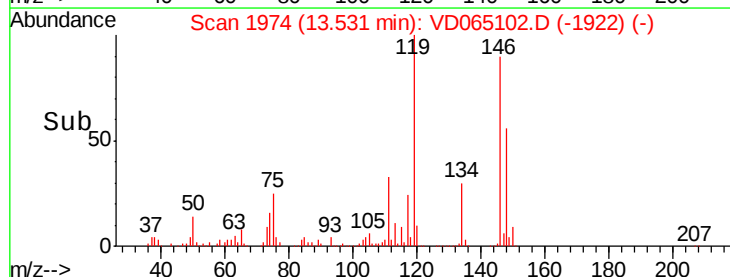
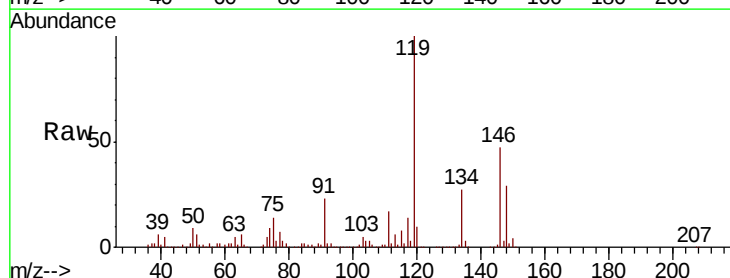
Tgt Ion:119 Resp: 967995

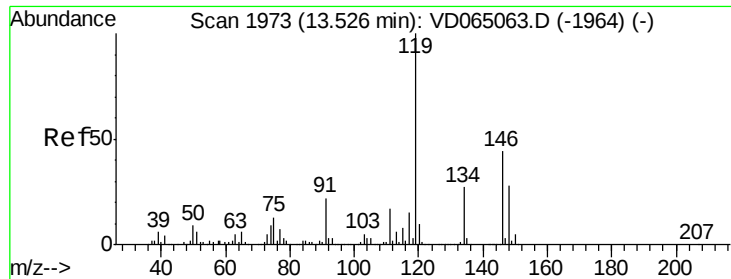
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 22.5 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 51.960 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Instrument :

MSVOA_D

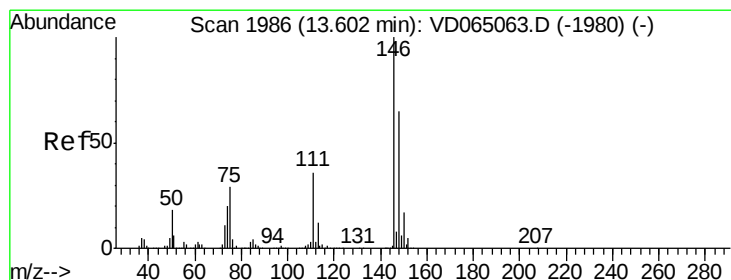
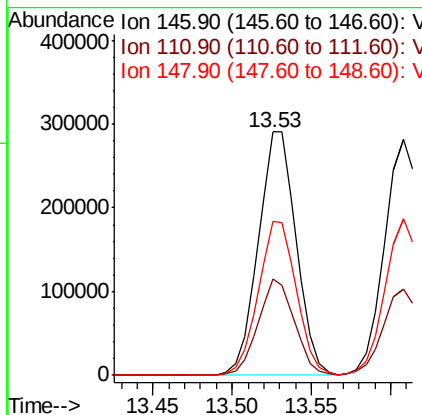
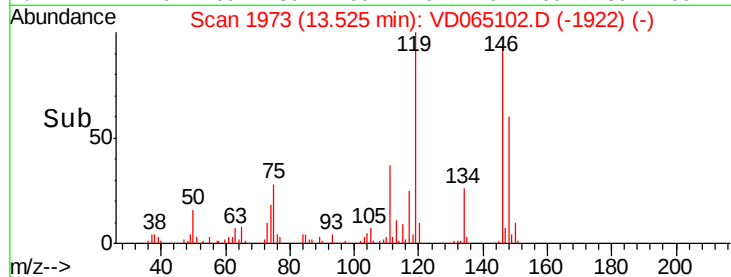
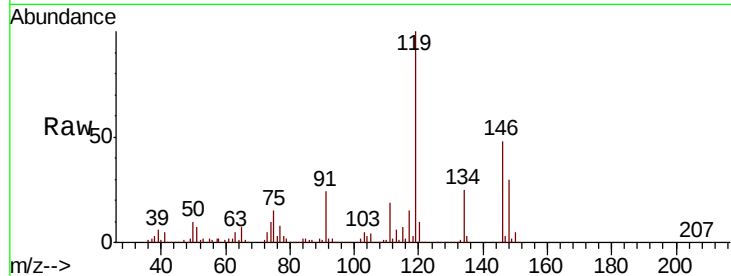
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	484124
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.4	58.4
148	63.5	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 50.143 ug/l

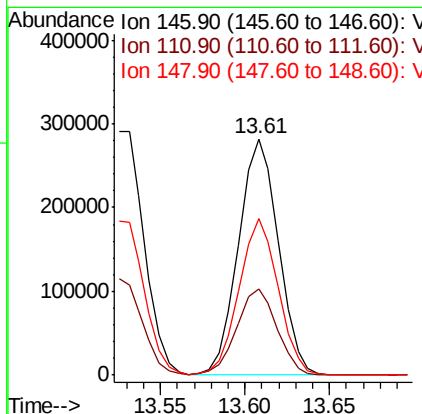
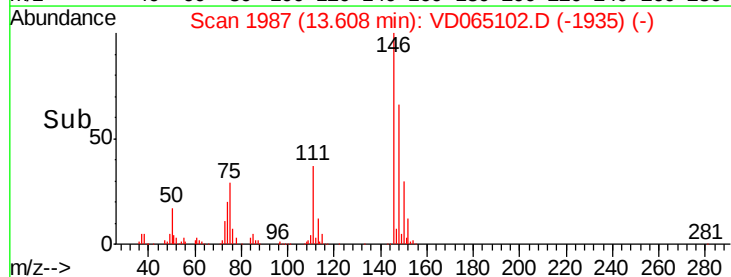
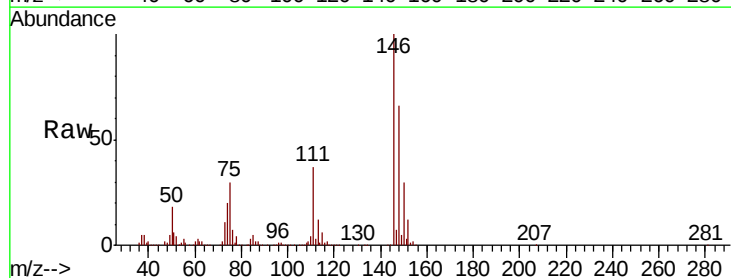
RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065102.D

Acq: 07 Feb 2020 11:15

Tgt Ion:	146	Resp:	464990
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.5	55.5
148	65.1	32.7	98.1





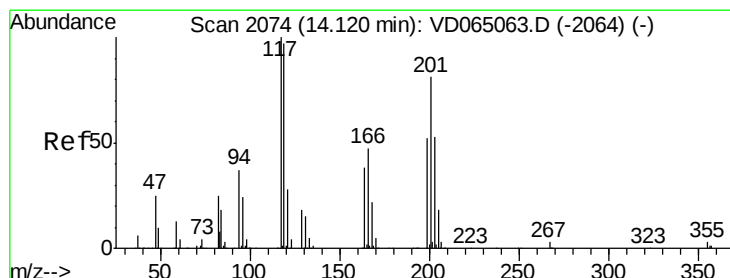
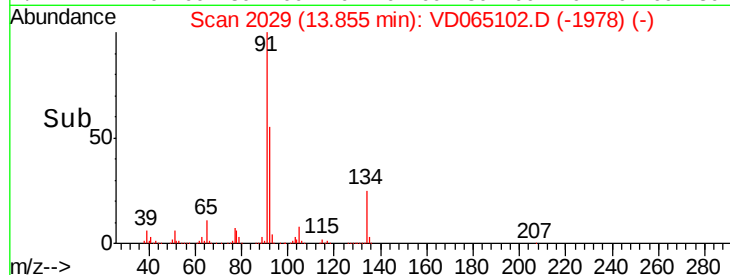
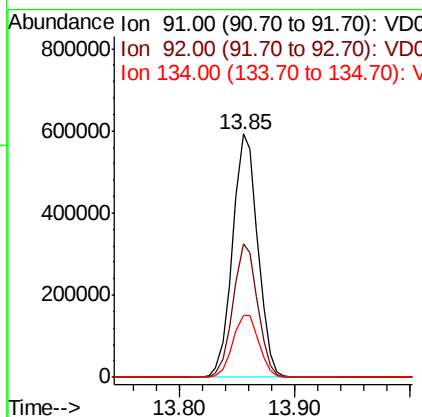
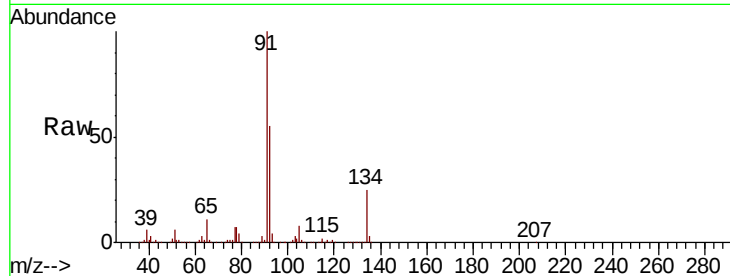
#89
n-Butylbenzene
Concen: 52.351 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	26.7	80.1	
134	26.6	13.4	40.2	

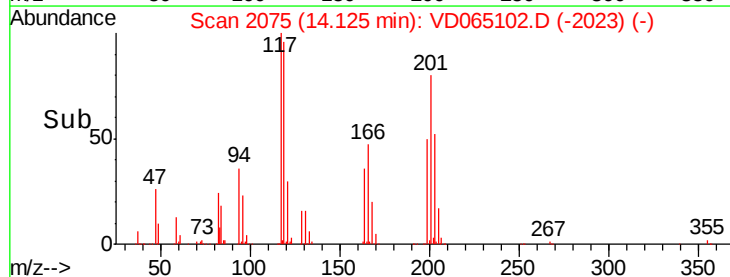
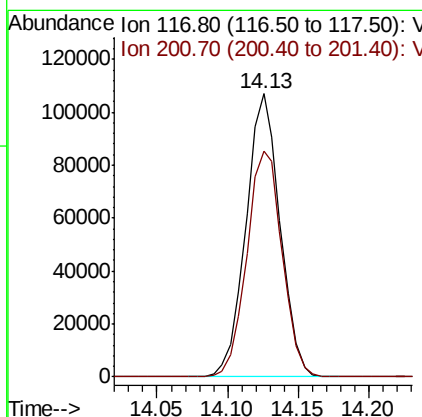
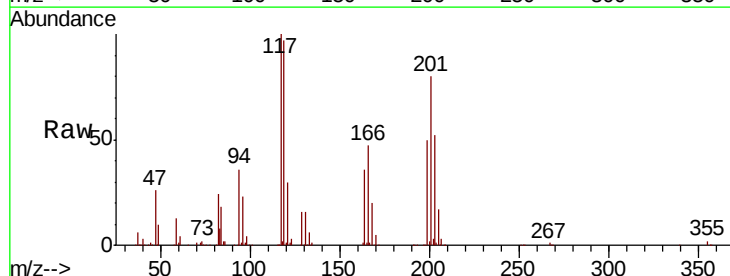
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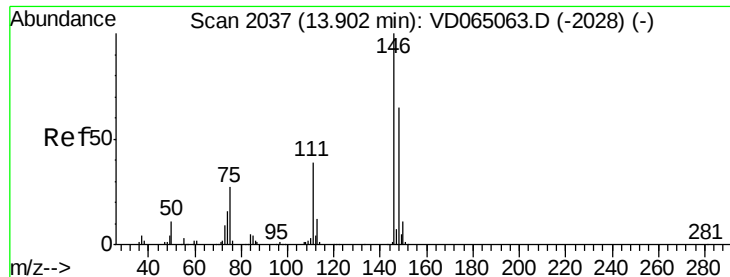
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#90
Hexachloroethane
Concen: 51.600 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	82.7	42.5	127.6	





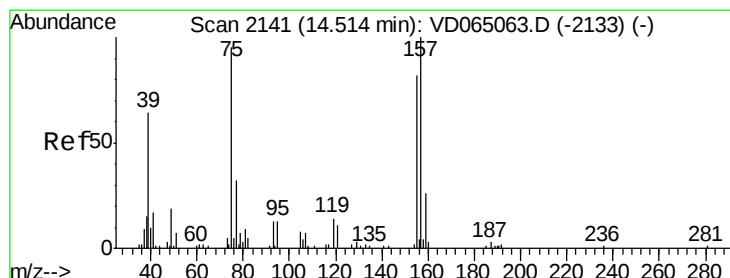
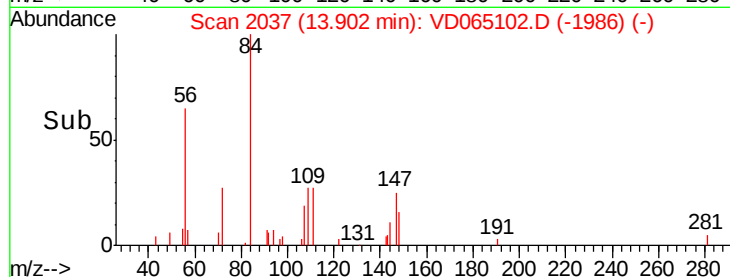
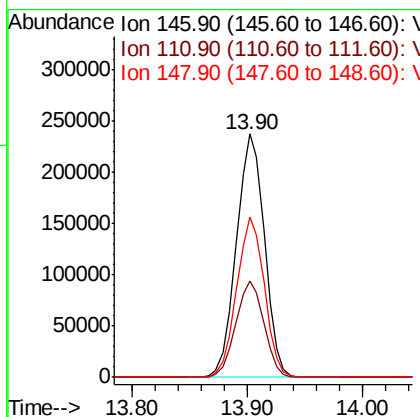
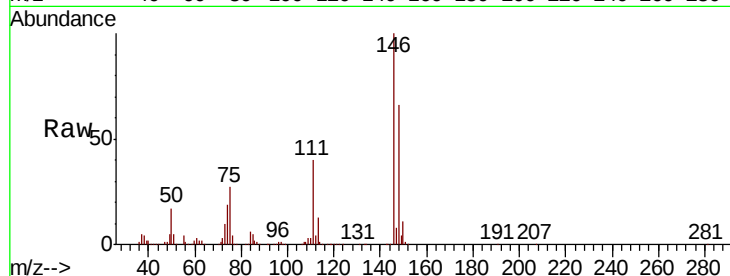
#91
 1,2-Dichlorobenzene
 Concen: 50.102 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	64.9	31.9	95.5

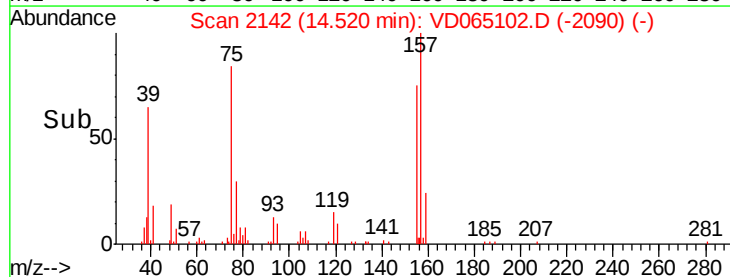
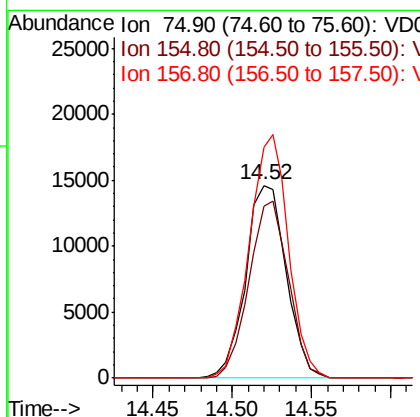
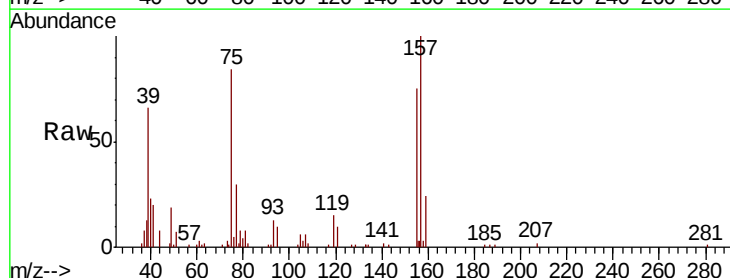
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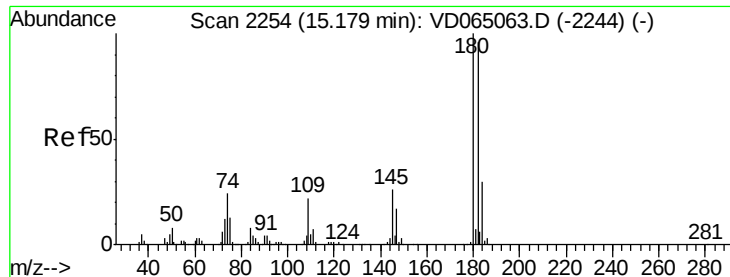
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.895 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	43.4	130.1
157	122.1	55.8	167.3





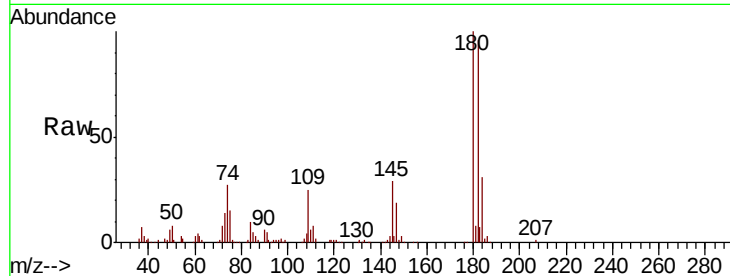
#93
 1,2,4-Trichlorobenzene
 Concen: 47.565 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

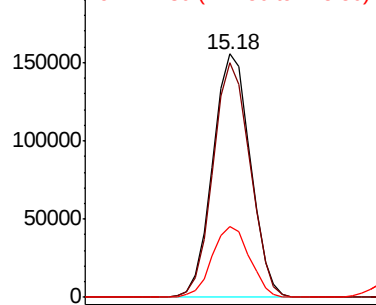
Tot Ion:	180	Resp:	271306
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.4	142.3
145	29.2	14.1	42.4

Manual Integrations
 APPROVED

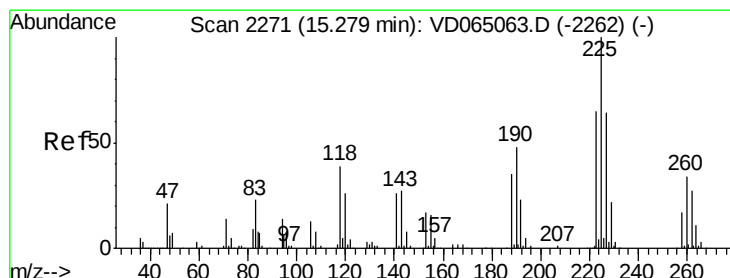
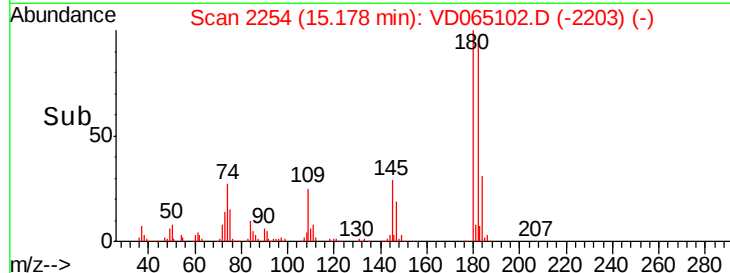
MMDadoda
 2/10/2020 5:39:59 PM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

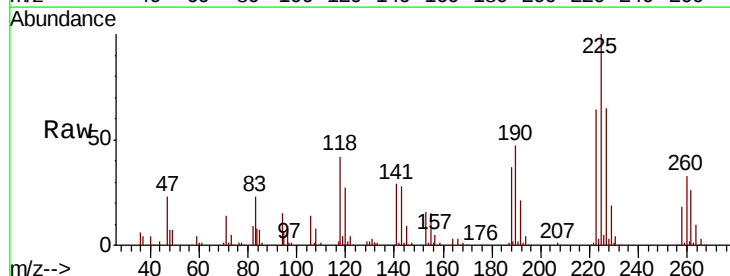


Time-->

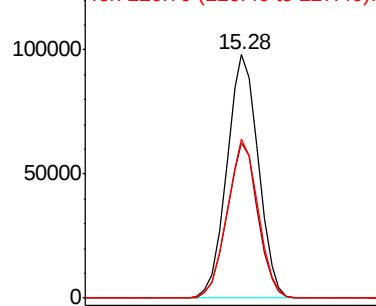


#94
 Hexachlorobutadiene
 Concen: 48.206 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065102.D
 Acq: 07 Feb 2020 11:15

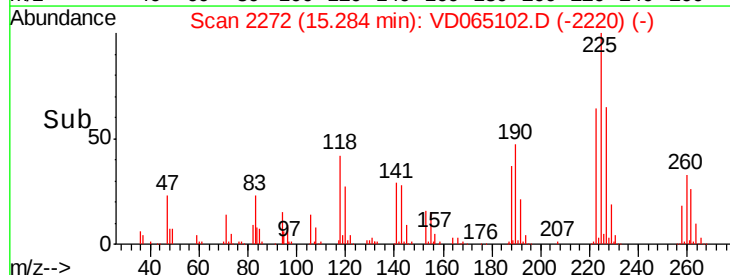
Tgt Ion:	225	Resp:	169070
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.4	94.0
227	64.4	31.8	95.3

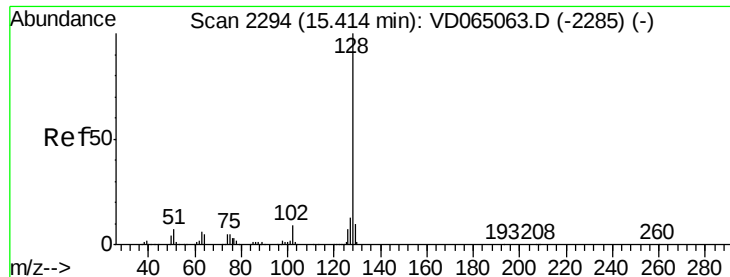


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





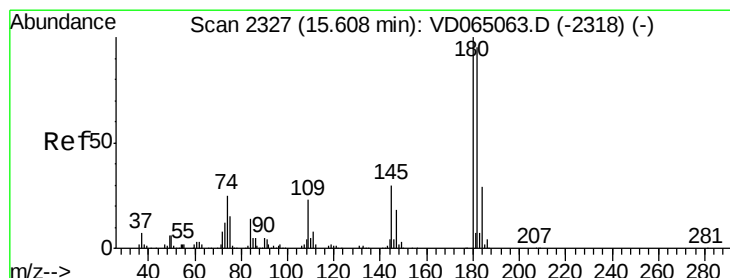
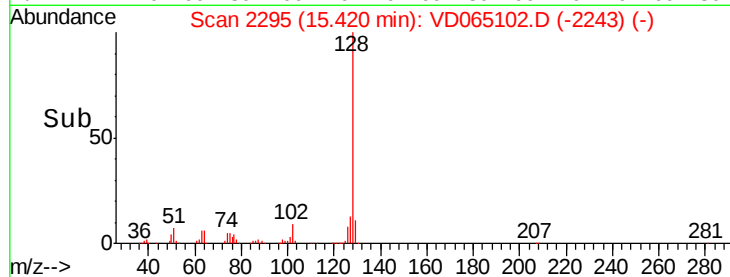
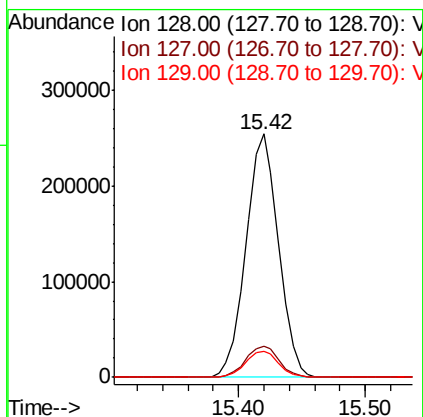
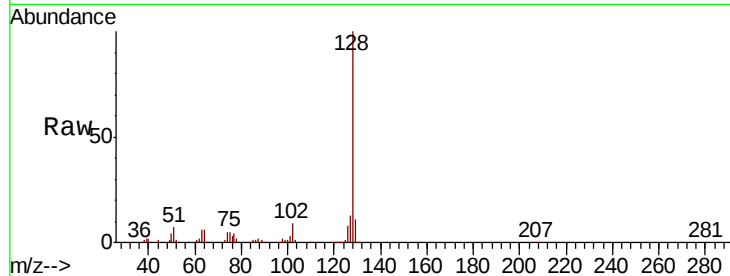
#95
Naphthalene
Concen: 47.735 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	452556		
127	13.2		10.6	15.8
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/10/2020 5:39:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.572 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065102.D
Acq: 07 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	236981		
182	94.8		47.1	141.4
145	29.5		14.9	44.9

