

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065122.D
 Acq On : 07 Feb 2020 21:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 5:40:12 PM

Quant Time: Feb 08 01:03:07 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	398249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	607421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	563933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280016	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	215654	63.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.42%	
35) Dibromofluoromethane	7.92	113	209961	61.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.90%	
50) Toluene-d8	10.34	98	802792	59.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.02%	
62) 4-Bromofluorobenzene	12.64	95	256609	60.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	165878	50.052	ug/l	98
3) Chloromethane	2.21	50	231218	59.268	ug/l	96
4) Vinyl Chloride	2.35	62	227030	55.027	ug/l	99
5) Bromomethane	2.77	94	142262	53.179	ug/l	99
6) Chloroethane	2.93	64	147482	57.626	ug/l	96
7) Trichlorofluoromethane	3.27	101	325025	54.132	ug/l	99
8) Diethyl Ether	3.71	74	100772	58.463	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	187448	51.068	ug/l	98
10) Methyl Iodide	4.30	142	214671	51.240	ug/l	98
11) Tert butyl alcohol	5.24	59	58277	281.796	ug/l	99
12) 1,1-Dichloroethene	4.06	96	181816	51.720	ug/l	99
13) Acrolein	3.93	56	69620	273.701	ug/l	97
14) Allyl chloride	4.71	41	314478	53.825	ug/l	99
15) Acrylonitrile	5.43	53	235086	311.958	ug/l	100
16) Acetone	4.17	43	187435	221.488	ug/l	98
17) Carbon Disulfide	4.40	76	604300	53.539	ug/l	99
18) Methyl Acetate	4.73	43	108633	61.442	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	457426	58.842	ug/l	96
20) Methylene Chloride	4.96	84	222064	60.416	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	216898	54.534	ug/l	94
22) Diisopropyl ether	6.37	45	667042	60.528	ug/l	96
23) Vinyl Acetate	6.31	43	1949056	317.302	ug/l	99
24) 1,1-Dichloroethane	6.27	63	382711	57.374	ug/l	99
25) 2-Butanone	7.22	43	295695	292.926	ug/l	100
26) 2,2-Dichloropropane	7.21	77	301404	50.411	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	237822	56.285	ug/l	98
28) Bromochloromethane	7.55	49	157348	62.227	ug/l	97
29) Tetrahydrofuran	7.57	42	197817	324.049	ug/l	98
30) Chloroform	7.71	83	389292	58.612	ug/l	99
31) Cyclohexane	7.98	56	329768	48.975	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	333647	53.927	ug/l	99
36) 1,1-Dichloropropene	8.11	75	294089	52.069	ug/l	99
37) Ethyl Acetate	7.30	43	142361	61.696	ug/l	99
38) Carbon Tetrachloride	8.10	117	301962	52.346	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	340691	48.869	ug/l	97
40) Benzene	8.36	78	872175	55.919	ug/l	98
41) Methacrylonitrile	7.53	41	64850	51.014	ug/l	89
42) 1,2-Dichloroethane	8.43	62	258920	58.260	ug/l	99
43) Isopropyl Acetate	8.46	43	261721	59.294	ug/l	99
44) Trichloroethene	9.11	130	230176	51.414	ug/l	97
45) 1,2-Dichloropropane	9.39	63	216879	57.996	ug/l	95
46) Dibromomethane	9.48	93	116114	59.089	ug/l	98
47) Bromodichloromethane	9.67	83	305075	58.921	ug/l	98
48) Methyl methacrylate	9.46	41	125415	59.046	ug/l	98
49) 1,4-Dioxane	9.47	88	28434	1221.672	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	689016	317.133	ug/l	100
52) Toluene	10.41	92	555138	55.766	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	290425	57.610	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	342091	56.738	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	161845	60.046	ug/l	96
56) Ethyl methacrylate	10.67	69	208314	61.083	ug/l	100
57) 1,3-Dichloropropane	10.95	76	277896	58.633	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	299918	274.012	ug/l	100
59) 2-Hexanone	10.99	43	462463	300.509	ug/l	99
60) Dibromochloromethane	11.15	129	207734	59.503	ug/l	99
61) 1,2-Dibromoethane	11.26	107	157379	59.756	ug/l	99
64) Tetrachloroethene	10.88	164	192368	47.473	ug/l	99
65) Chlorobenzene	11.68	112	585989	53.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	221996	55.145	ug/l	98
67) Ethyl Benzene	11.75	91	1050030	52.988	ug/l	97
68) m/p-Xylenes	11.86	106	805468	106.495	ug/l	98
69) o-Xylene	12.19	106	363101	53.311	ug/l	97
70) Styrene	12.20	104	669783	56.581	ug/l	99
71) Bromoform	12.37	173	123037	56.782	ug/l #	99
73) Isopropylbenzene	12.49	105	964318	50.175	ug/l	100
74) N-amyl acetate	12.30	43	241346	57.774	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	172033	56.874	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	126297m	59.574	ug/l	
77) Bromobenzene	12.77	156	241495	52.152	ug/l	98
78) n-propylbenzene	12.83	91	1144149	50.834	ug/l	100
79) 2-Chlorotoluene	12.92	91	639405	50.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	803352	51.093	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58719	55.393	ug/l	99
82) 4-Chlorotoluene	13.01	91	689586	52.335	ug/l	100
83) tert-Butylbenzene	13.23	119	686046	50.575	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	810610	51.929	ug/l	100
85) sec-Butylbenzene	13.41	105	926190	49.991	ug/l	100
86) p-Isopropyltoluene	13.53	119	887051	51.531	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	456825	52.691	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	449138	52.050	ug/l	99
89) n-Butylbenzene	13.86	91	802150	50.486	ug/l	100
90) Hexachloroethane	14.13	117	168173	51.593	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	398763	53.698	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27408	55.507	ug/l	96

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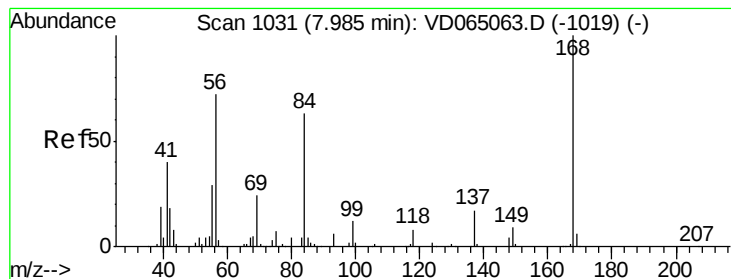
Manual Integrations
APPROVED

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2/10/2020 5:40:12 PM

Quant Time: Feb 08 01:03:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	266194	50.153	ug/l	99
94) Hexachlorobutadiene	15.28	225	151727	46.492	ug/l	99
95) Naphthalene	15.41	128	471019	53.393	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	236762	52.151	ug/l	100

(#) = 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: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 398249

Ion Ratio Lower Upper

168 100

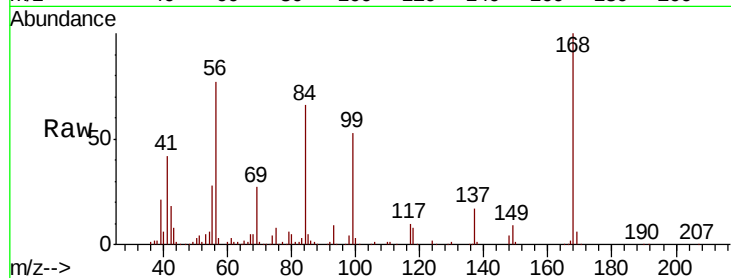
99 52.6 41.0 61.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

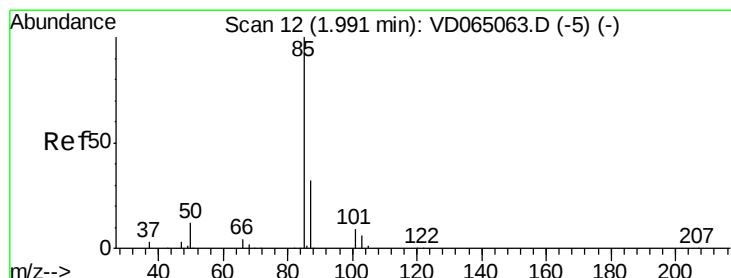
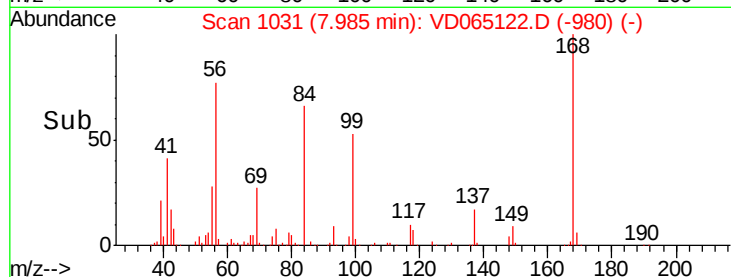
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.052 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065122.D

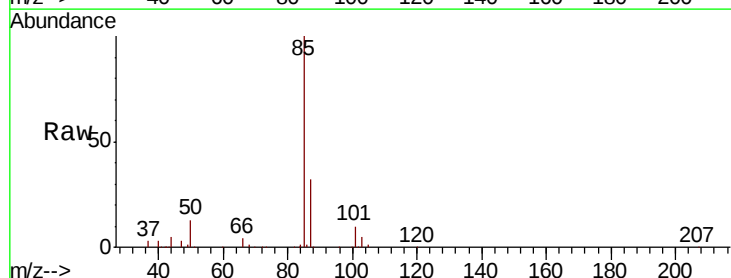
Acq: 07 Feb 2020 21:05

Tgt Ion: 85 Resp: 165878

Ion Ratio Lower Upper

85 100

87 32.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

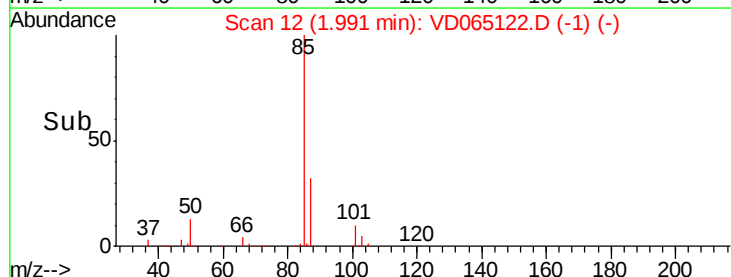
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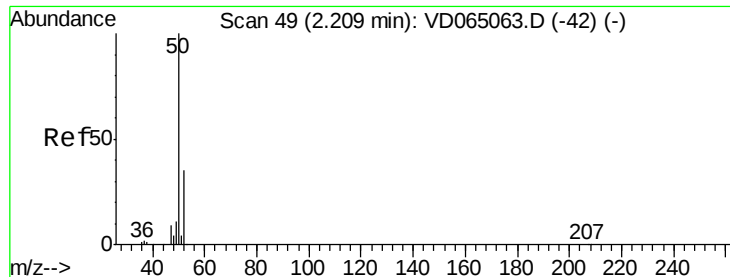
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 59.268 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 231218

Ion Ratio Lower Upper

50 100

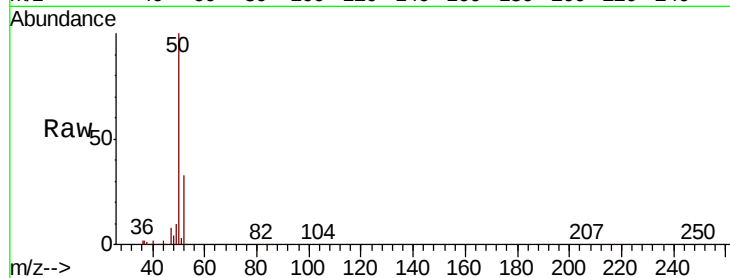
52 32.5 27.8 41.6

Manual Integrations

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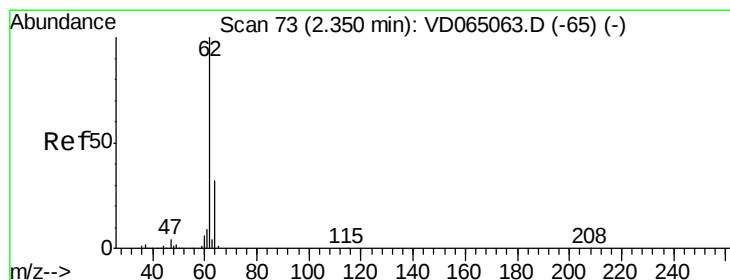
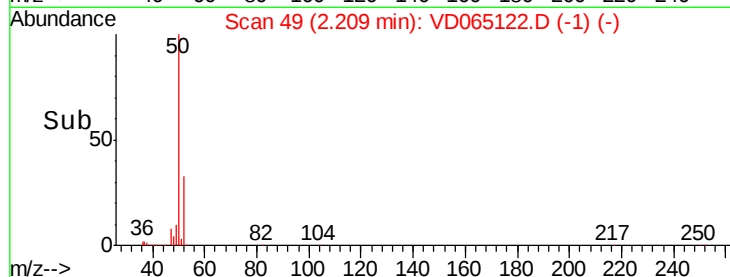
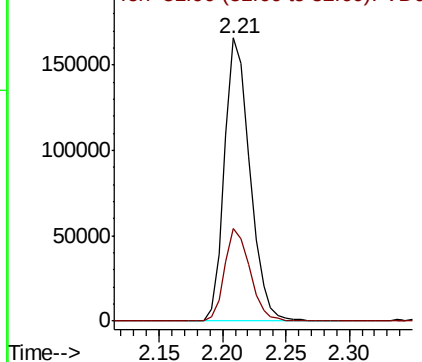
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 55.027 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065122.D

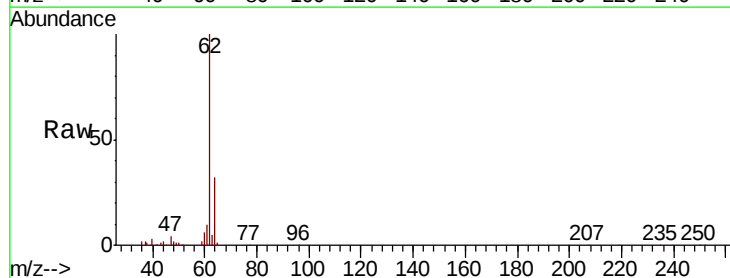
Acq: 07 Feb 2020 21:05

Tgt Ion: 62 Resp: 227030

Ion Ratio Lower Upper

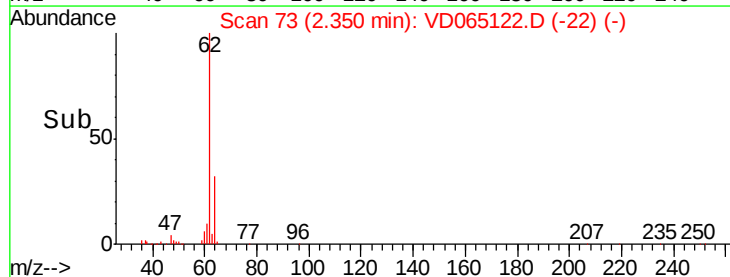
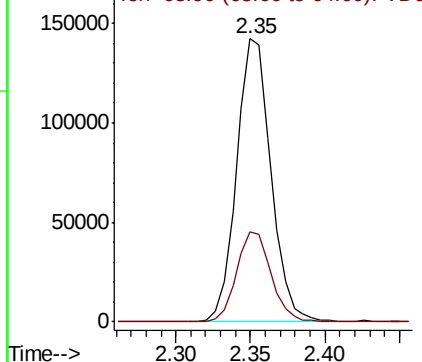
62 100

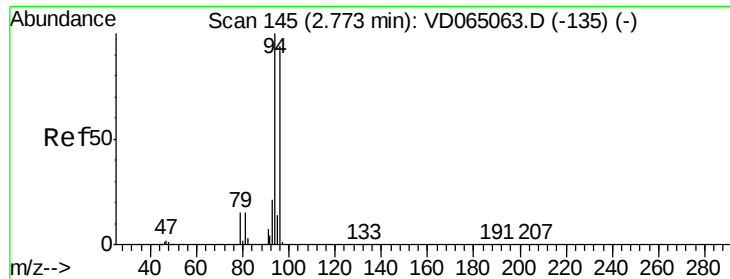
64 31.6 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 53.179 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

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VSTDCCC050EC

Tot Ion: 94 Resp: 142262

Ion Ratio Lower Upper

94 100

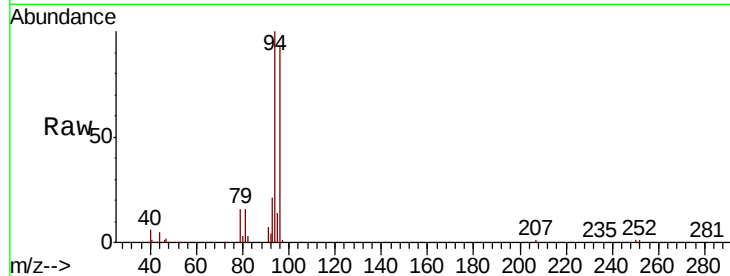
96 93.0 75.4 113.0

Manual Integrations

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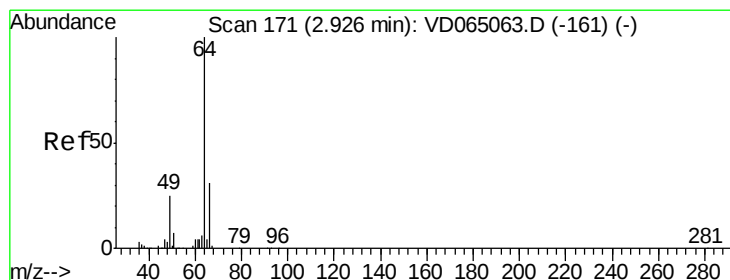
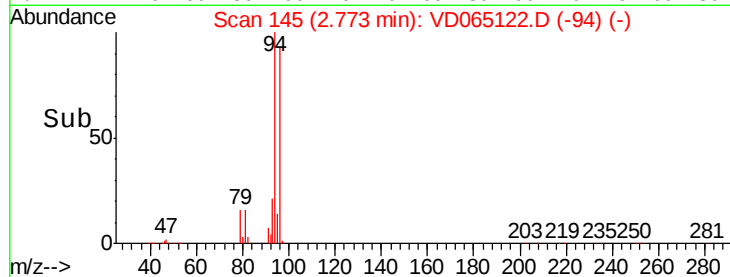
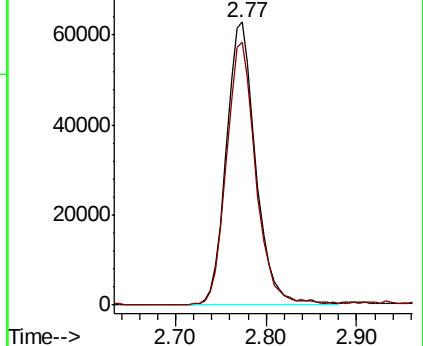
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 57.626 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065122.D

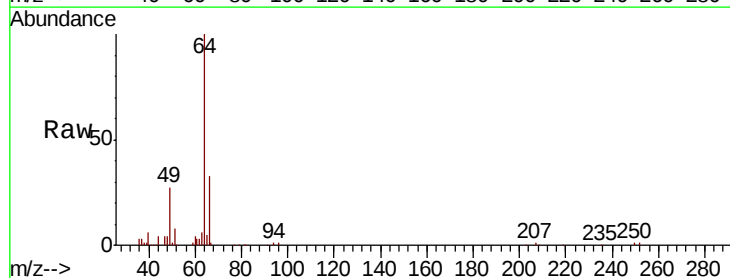
Acq: 07 Feb 2020 21:05

Tgt Ion: 64 Resp: 147482

Ion Ratio Lower Upper

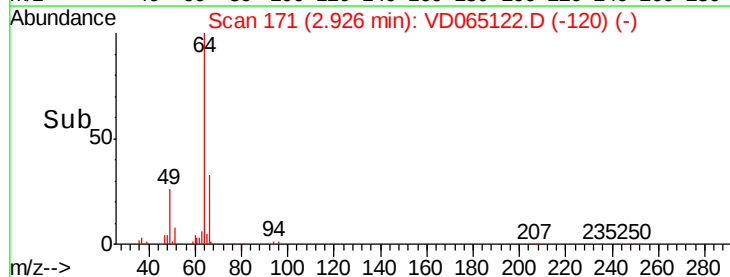
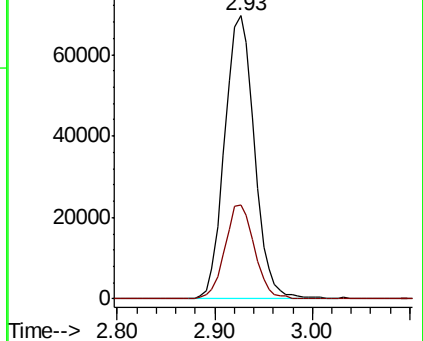
64 100

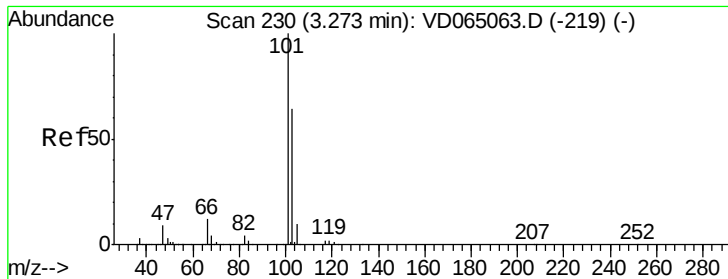
66 33.3 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

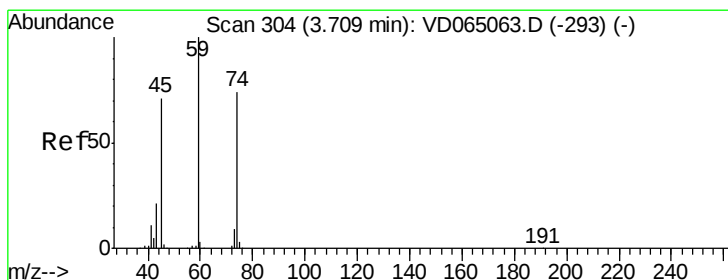
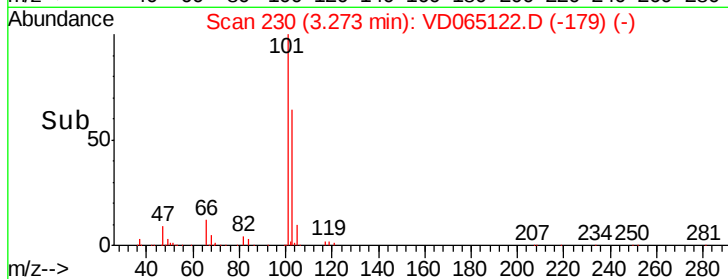
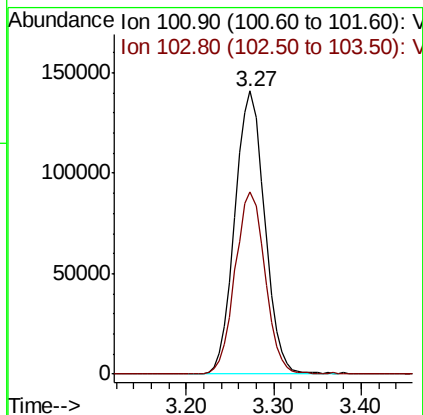
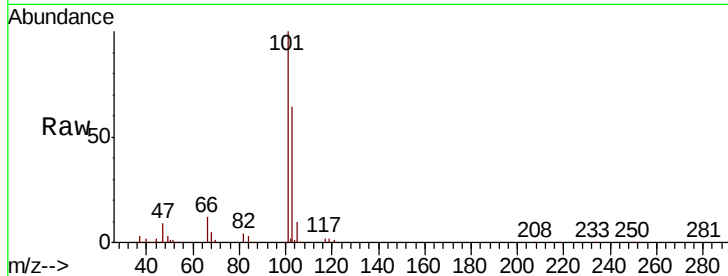
Trichlorofluoromethane
 Concen: 54.132 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.0	76.6

Manual Integrations
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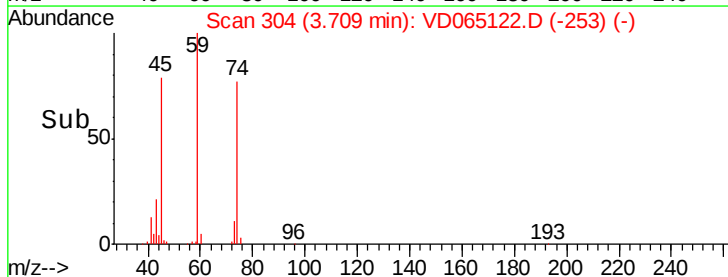
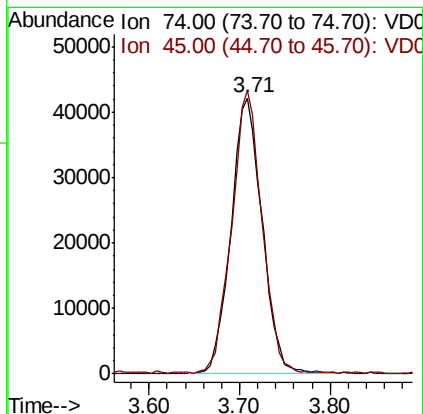
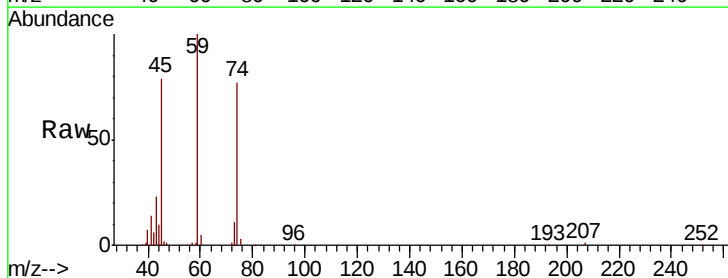
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 2/10/2020 5:40:12 PM

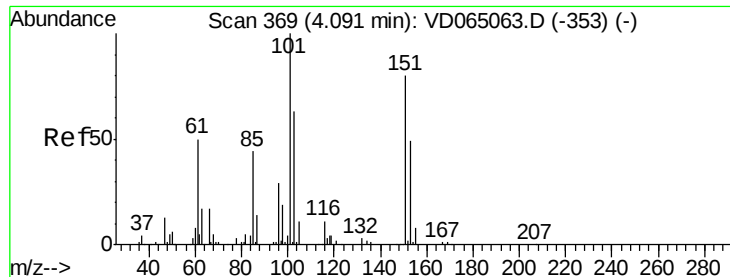


#8

Diethyl Ether
 Concen: 58.463 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.9	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.068 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

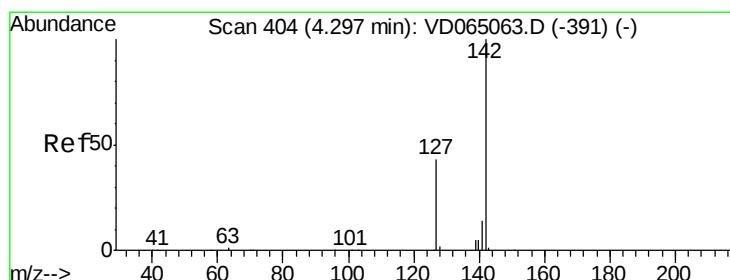
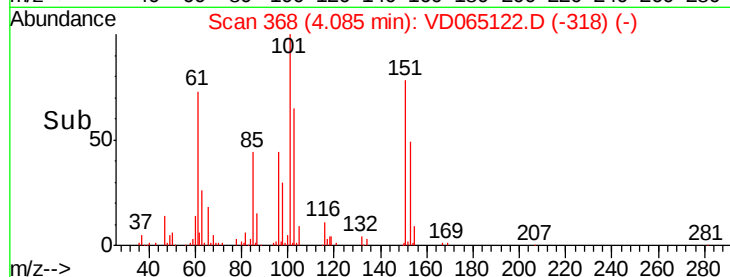
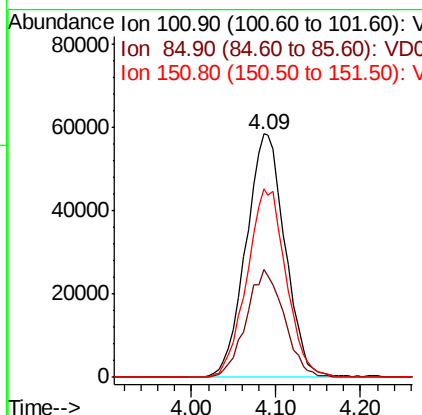
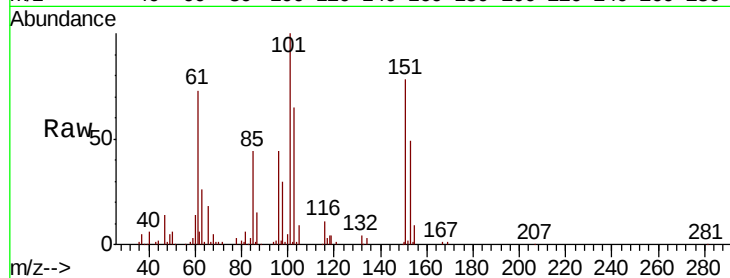
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	187448
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.0	51.0
151	77.8	64.0	96.0

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#10

Methyl Iodide

Concen: 51.240 ug/l

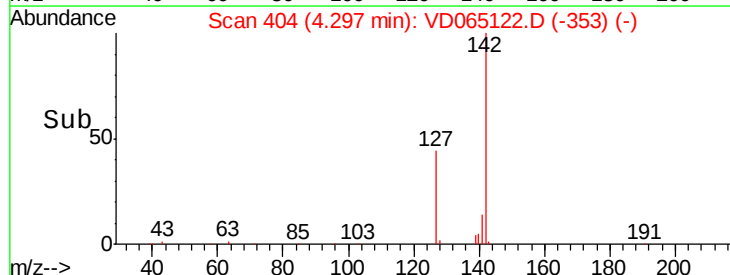
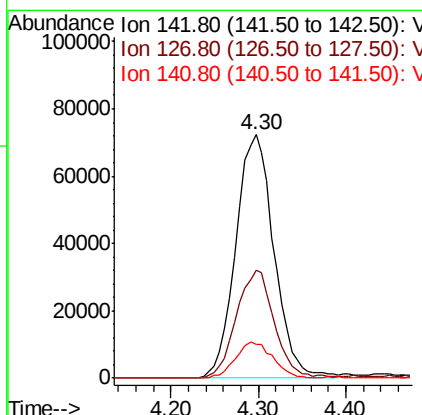
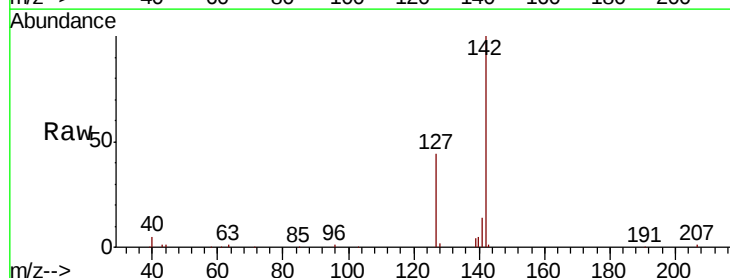
RT: 4.30 min Scan# 404

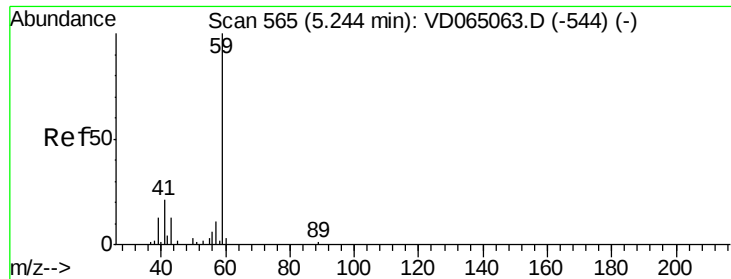
Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Tgt Ion:	142	Resp:	214671
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.0	51.0
141	14.5	11.6	17.4





#11

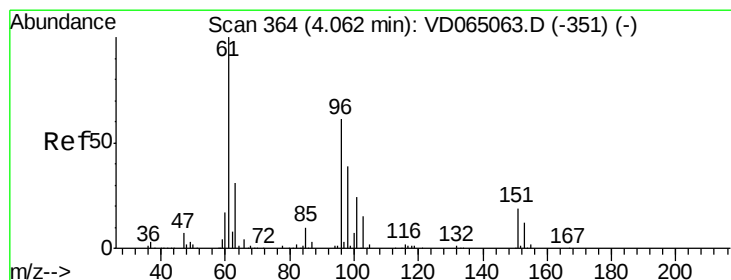
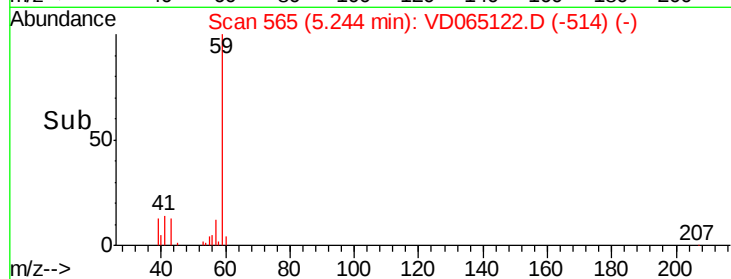
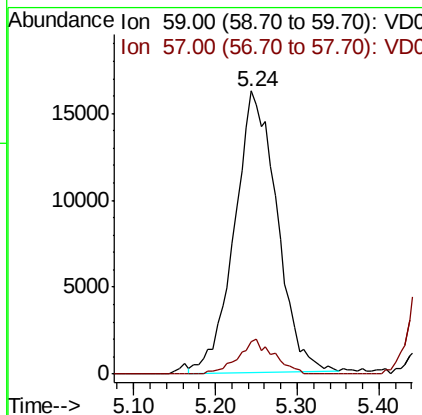
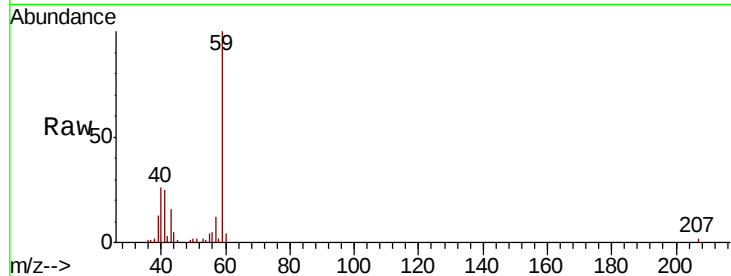
Tert butyl alcohol
 Concen: 281.796 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.8	13.2

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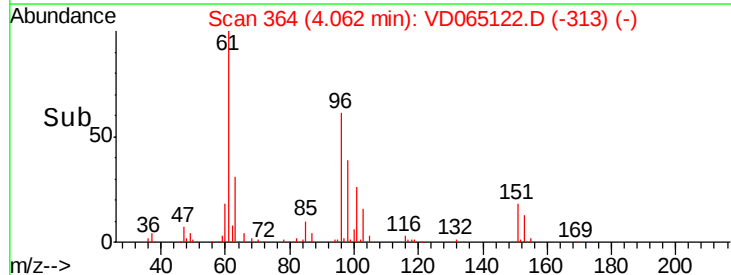
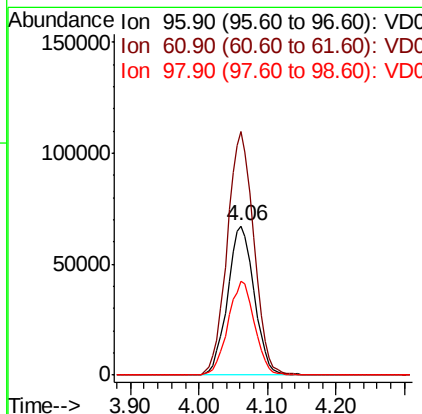
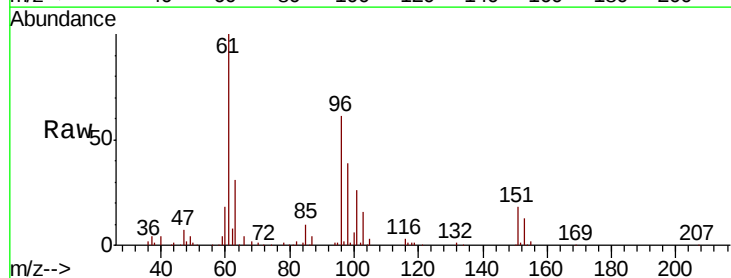
MMDadoda
 2/10/2020 5:40:12 PM



#12

1,1-Dichloroethene
 Concen: 51.720 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.4	131.4	197.2
98	63.2	51.1	76.7





#13

Acrolein

Concen: 273.701 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 69620

Ion Ratio Lower Upper

56 100

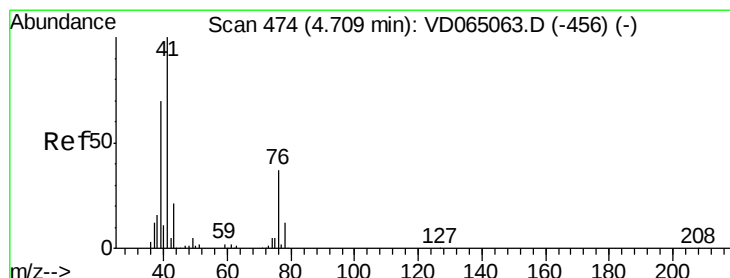
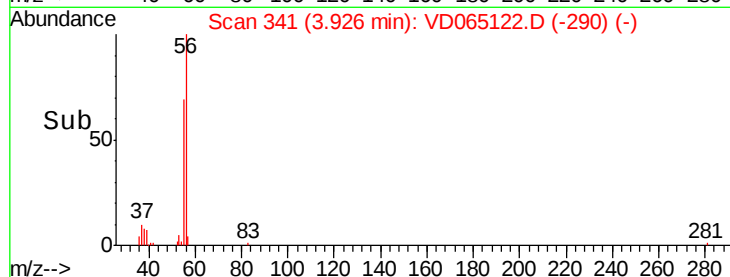
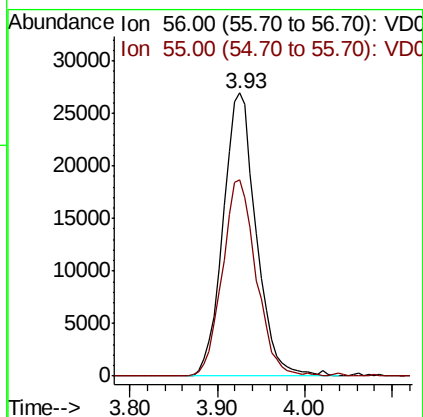
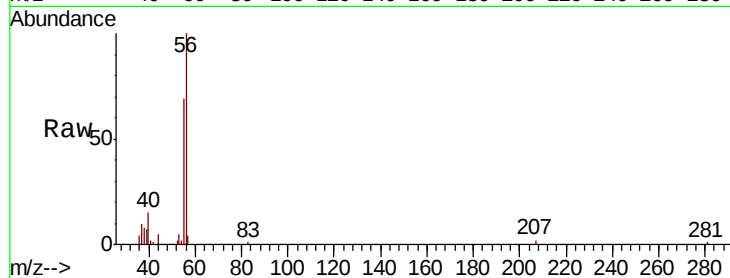
55 70.5 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 53.825 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

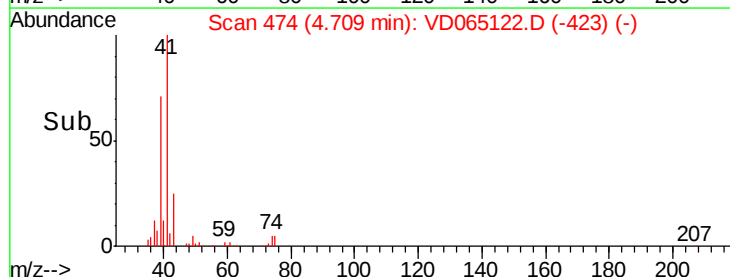
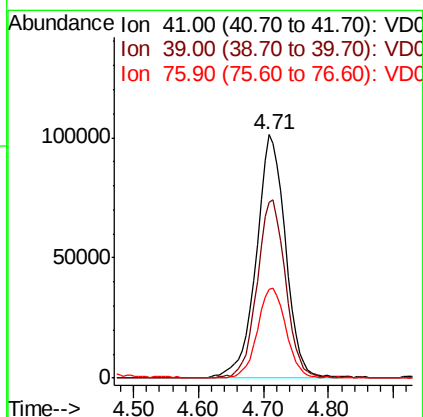
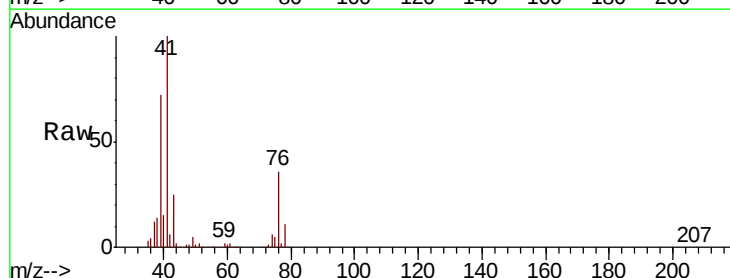
Tgt Ion: 41 Resp: 314478

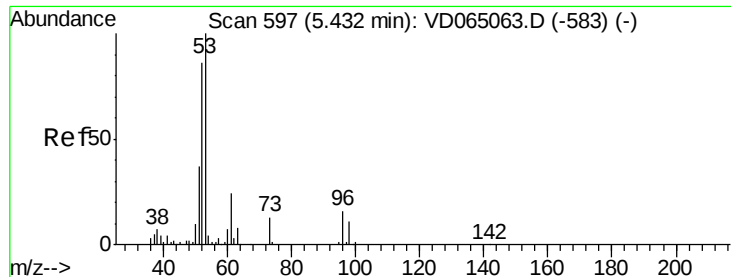
Ion Ratio Lower Upper

41 100

39 71.8 57.1 85.7

76 36.3 28.0 42.0





#15

Acrylonitrile

Concen: 311.958 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

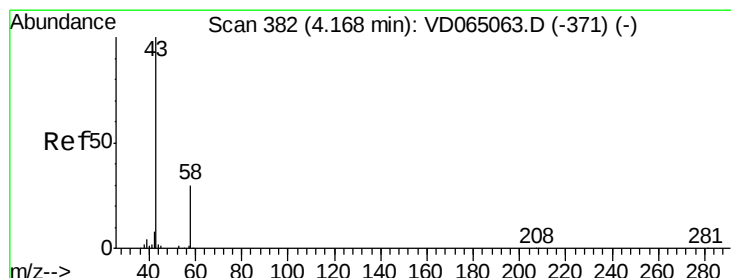
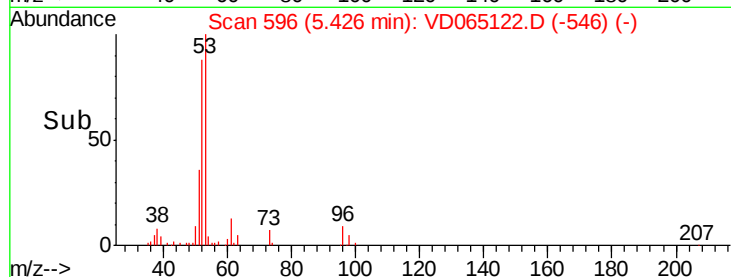
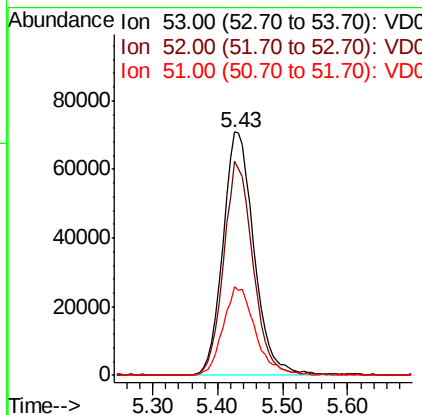
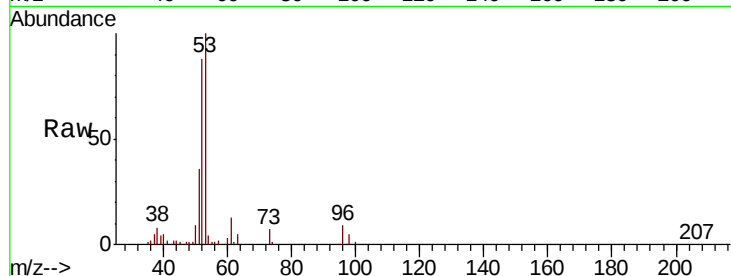
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	235086
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.2	99.2
51	37.6	30.4	45.6

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#16

Acetone

Concen: 221.488 ug/l

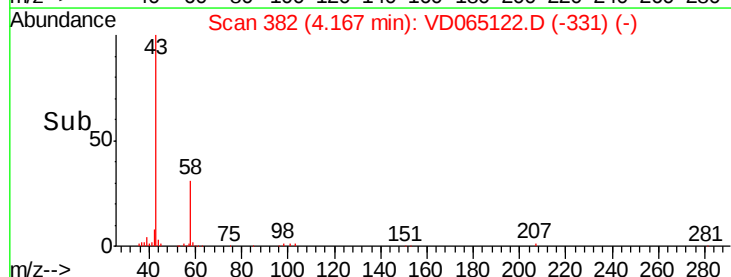
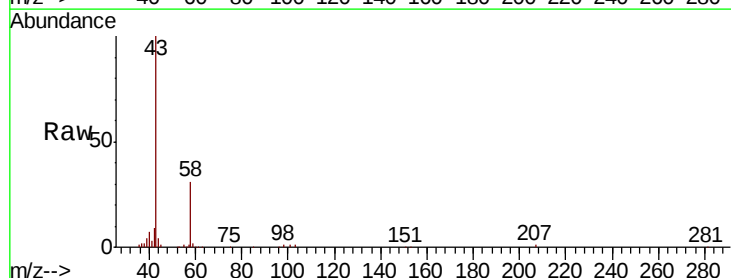
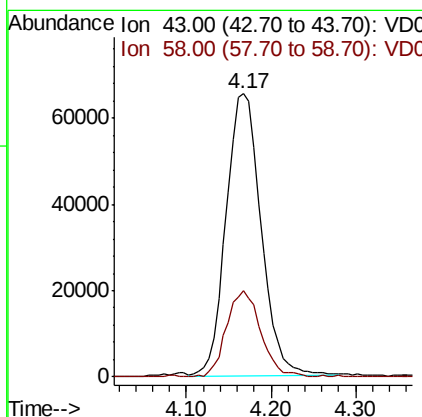
RT: 4.17 min Scan# 382

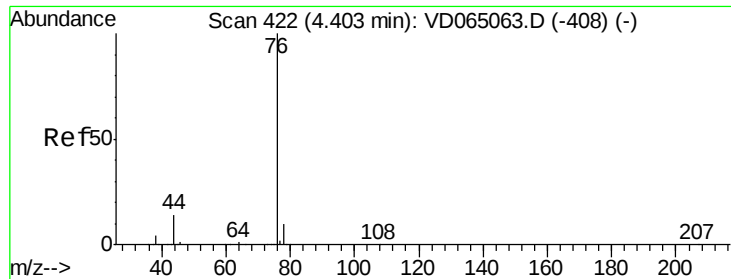
Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Tgt Ion	43	Resp	187435
Ion Ratio	Lower	Upper	
43	100		
58	30.5	23.5	35.3





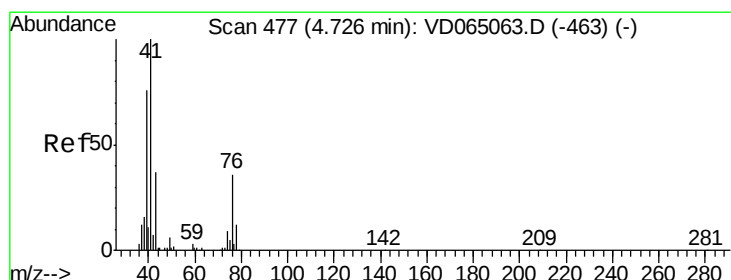
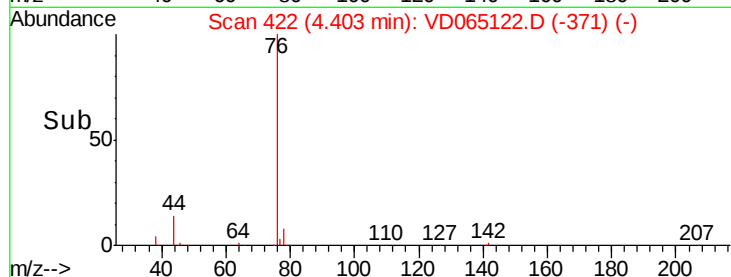
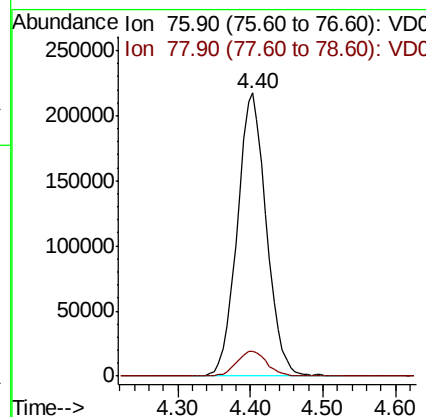
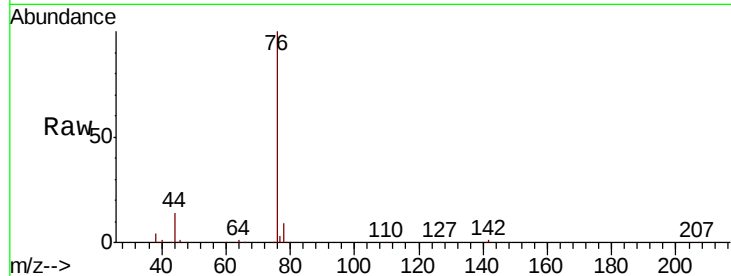
#17
Carbon Disulfide
Concen: 53.539 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

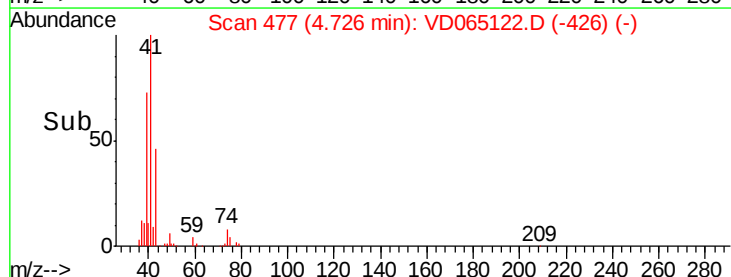
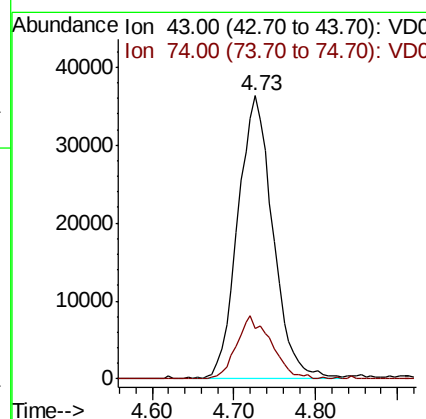
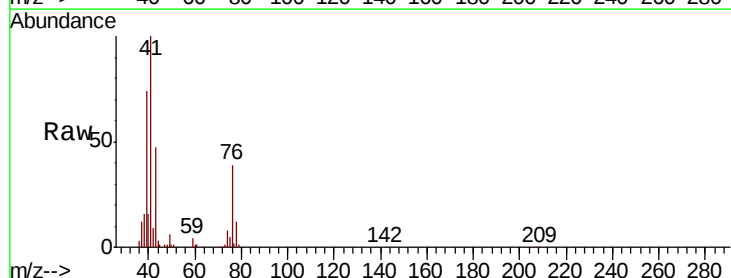
Manual Integrations
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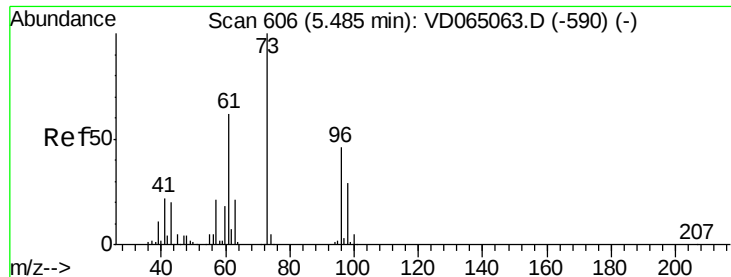
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#18
Methyl Acetate
Concen: 61.442 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	18.7	28.1





#19

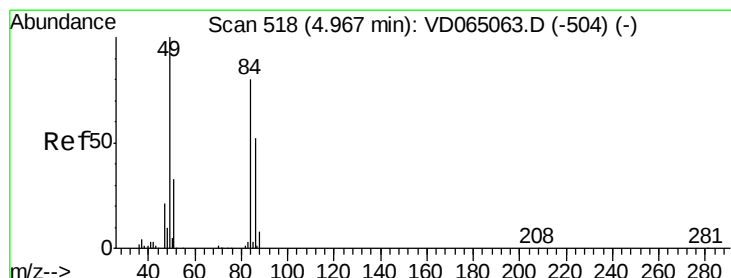
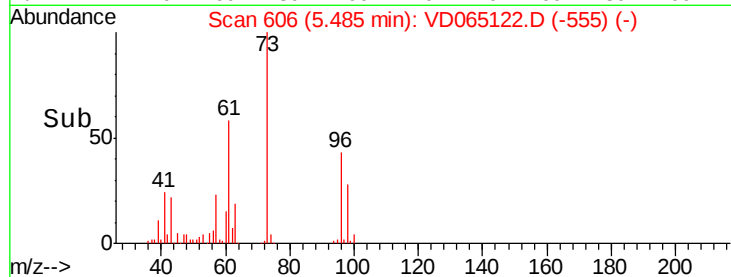
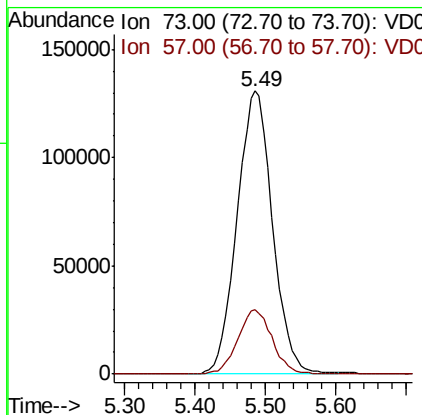
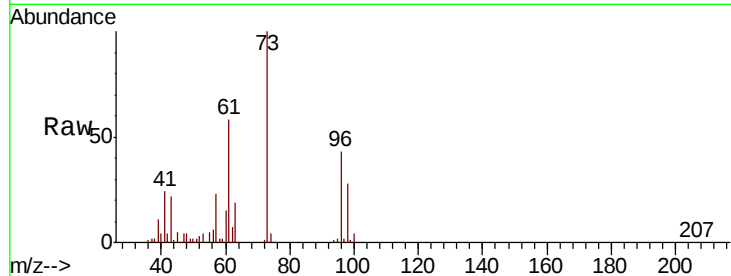
Methyl tert-butyl Ether
 Concen: 58.842 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 457426
 Ion Ratio Lower Upper
 73 100
 57 22.8 16.8 25.2

Manual Integrations
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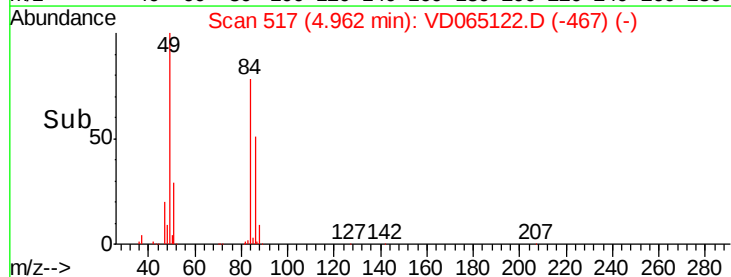
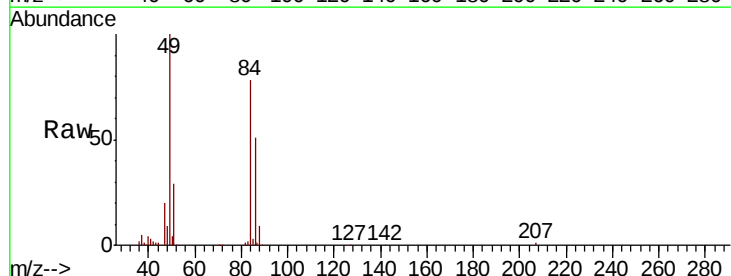
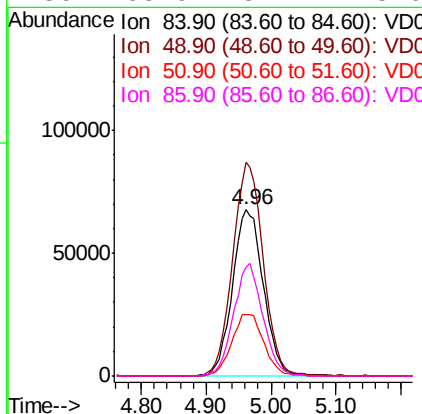
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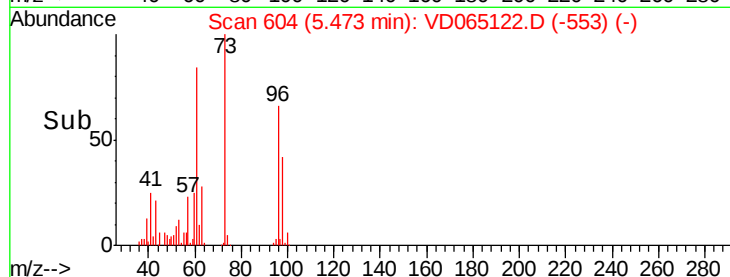
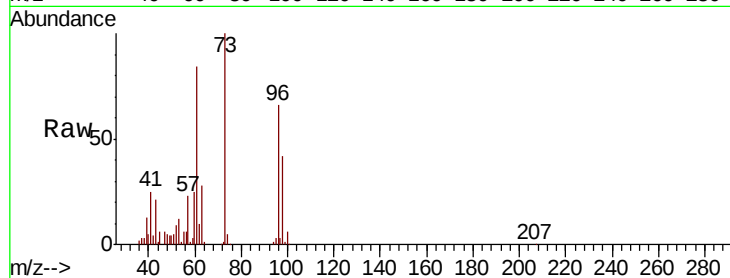
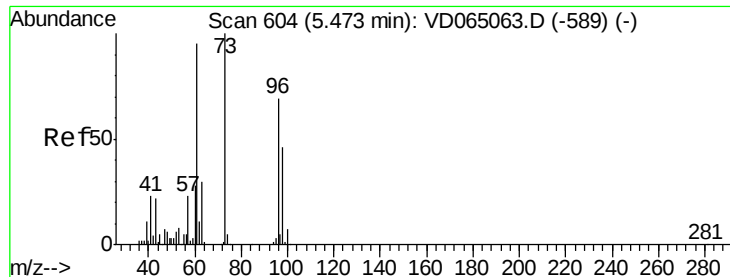


#20

Methylene Chloride
 Concen: 60.416 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion: 84 Resp: 222064
 Ion Ratio Lower Upper
 84 100
 49 128.8 100.4 150.6
 51 36.9 32.7 49.1
 86 65.9 52.4 78.6





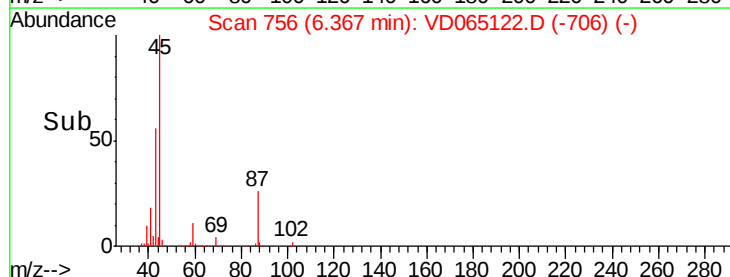
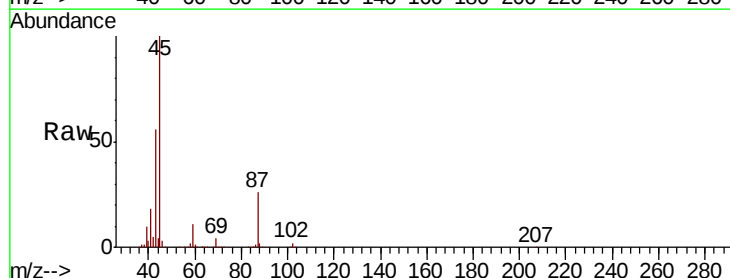
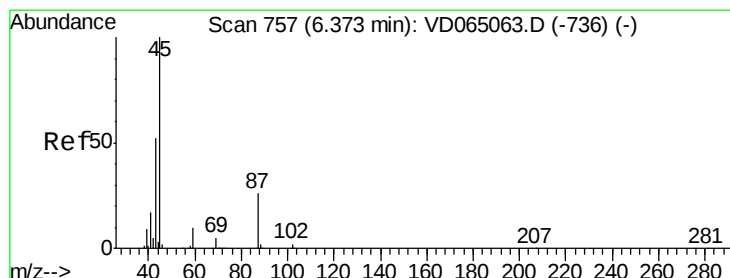
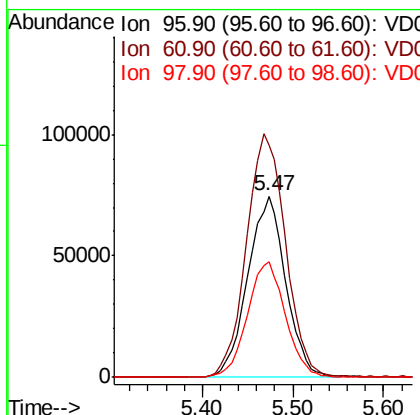
#21
trans-1,2-Dichloroethene
Concen: 54.534 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.3	109.5	164.3
98	63.6	53.7	80.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

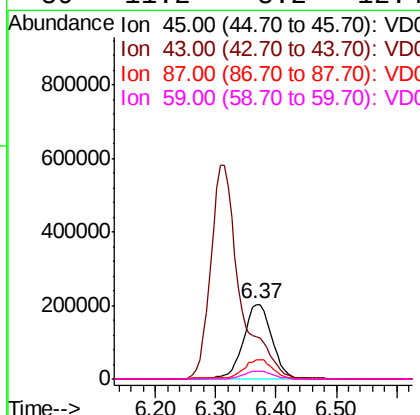
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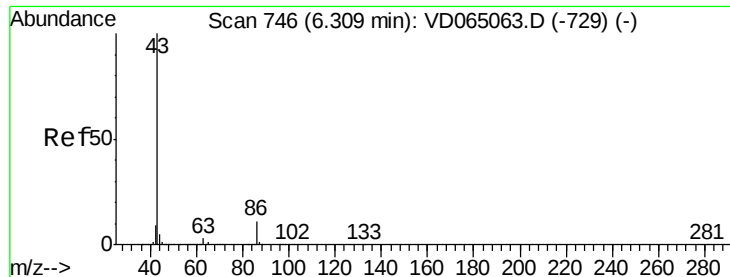
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#22
Diisopropyl ether
Concen: 60.528 ug/l
RT: 6.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.5	41.3	61.9
87	25.4	21.0	31.6
59	11.2	8.2	12.4





#23

Vinyl Acetate

Concen: 317.302 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1949056

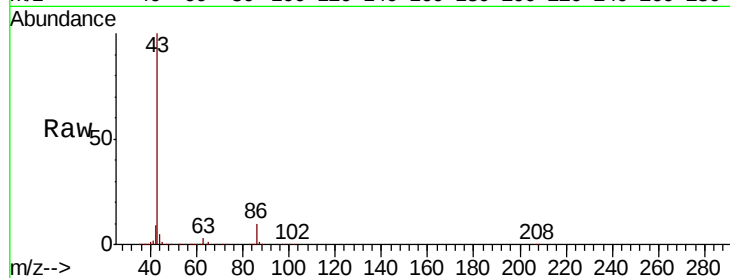
Ion Ratio Lower Upper

43 100

86 10.3 8.5 12.7

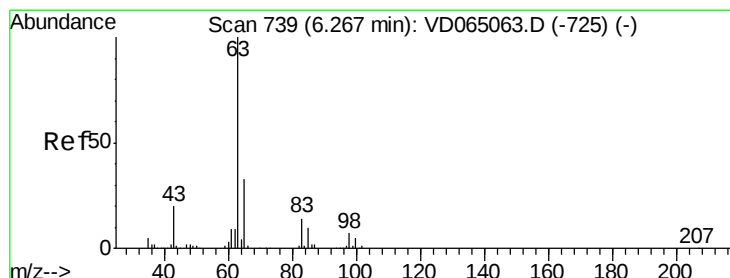
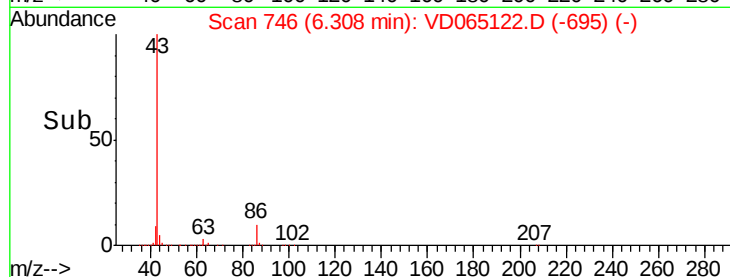
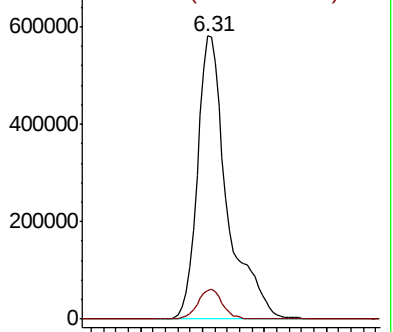
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 57.374 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

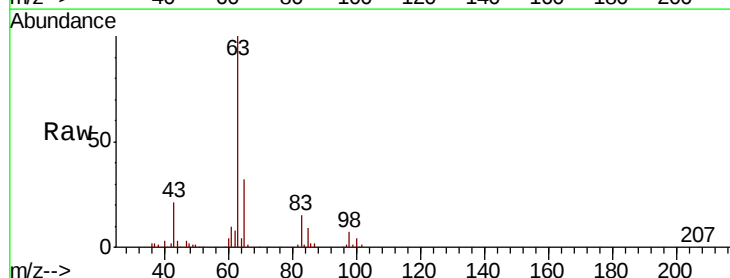
Tgt Ion: 63 Resp: 382711

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

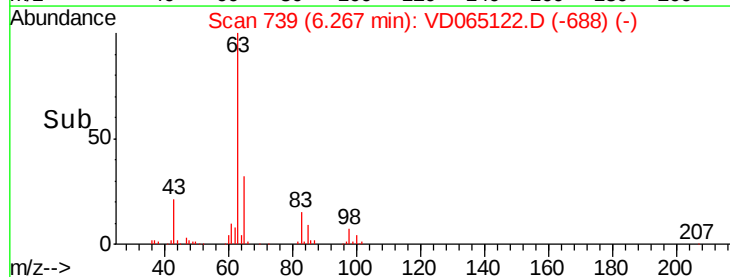
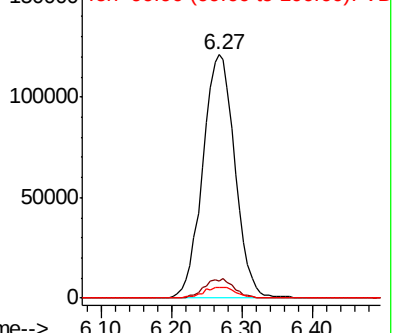
100 4.3 2.5 7.6

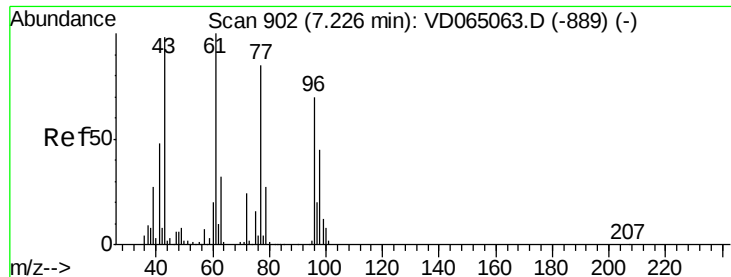


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 292.926 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 295695

Ion Ratio Lower Upper

43 100

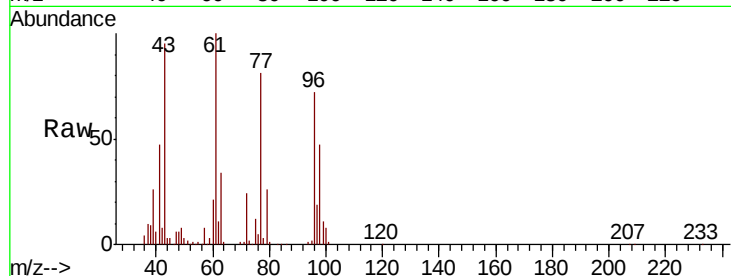
72 24.9 19.9 29.9

Manual Integrations

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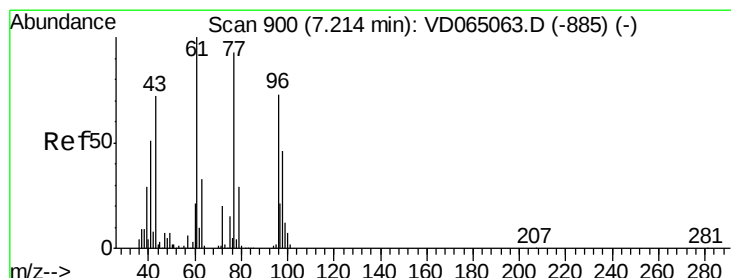
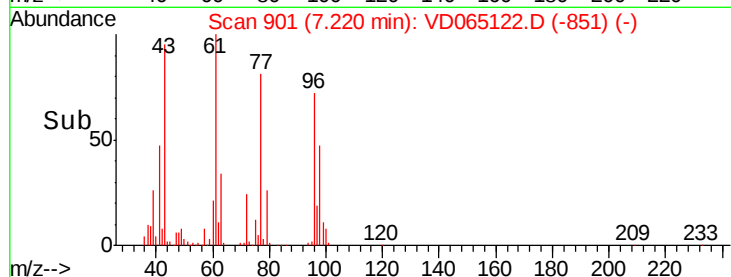
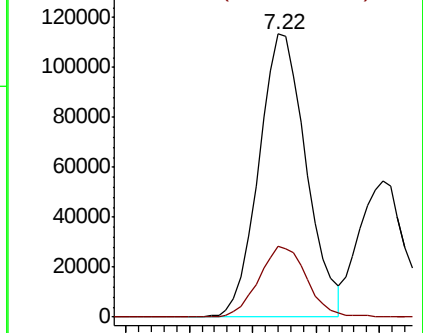
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.411 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065122.D

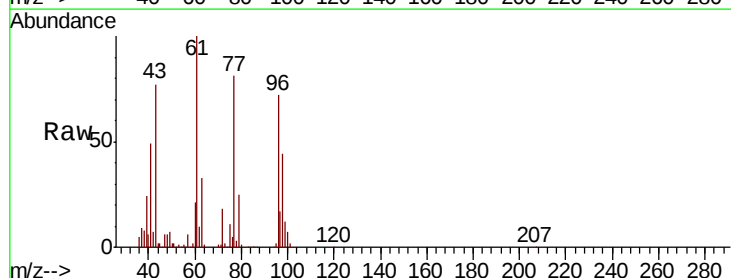
Acq: 07 Feb 2020 21:05

Tgt Ion: 77 Resp: 301404

Ion Ratio Lower Upper

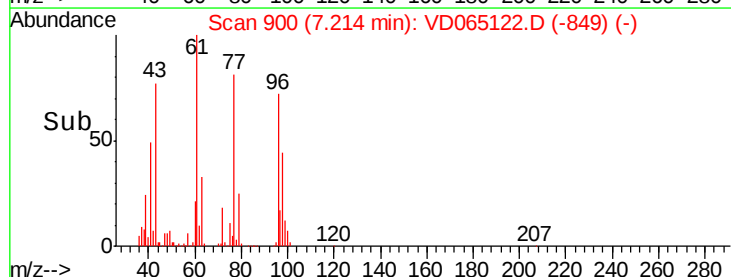
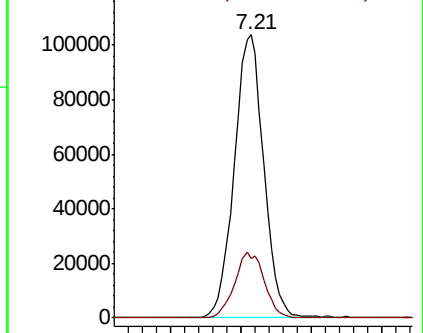
77 100

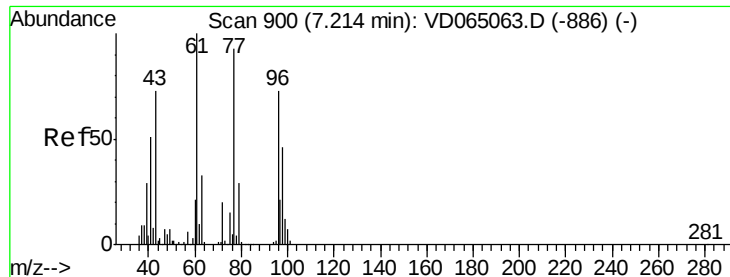
97 23.2 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

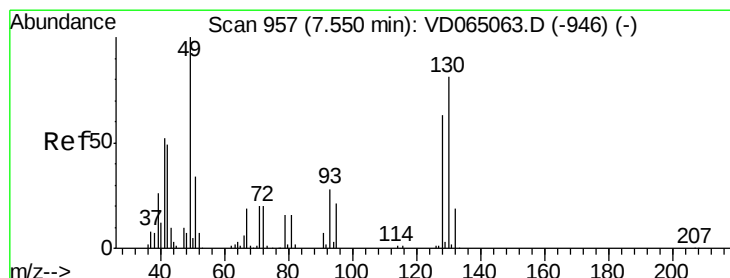
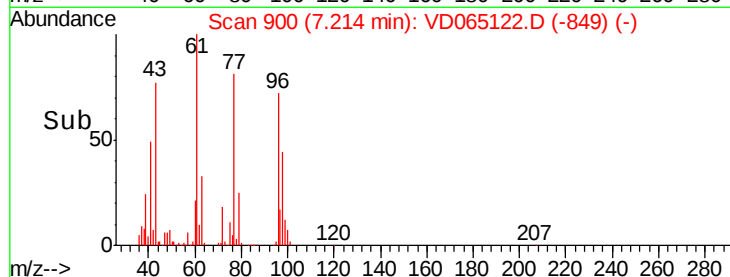
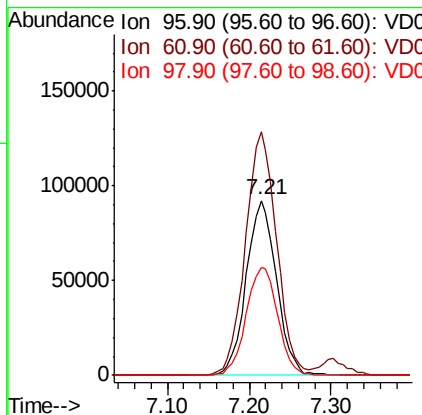
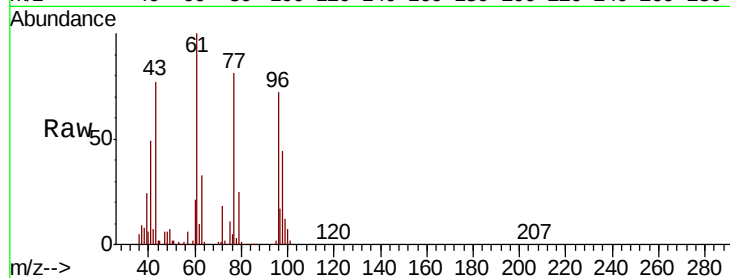
cis-1,2-Dichloroethene
Concen: 56.285 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	292.8
98	64.6	0.0	128.8

Manual Integrations
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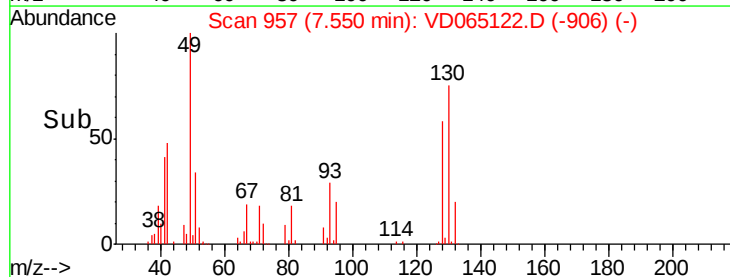
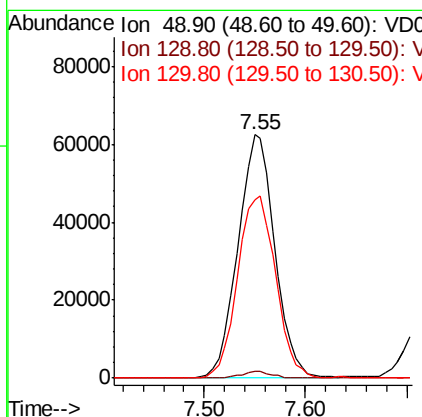
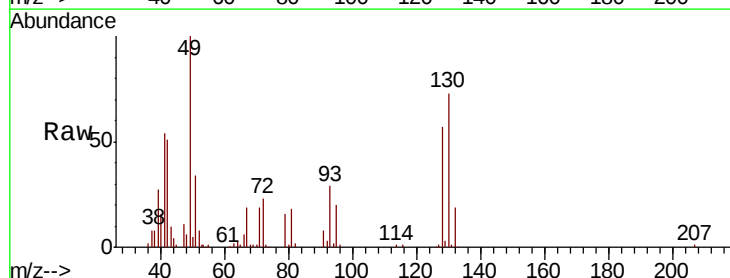
MMDadoda
2/10/2020 5:40:12 PM

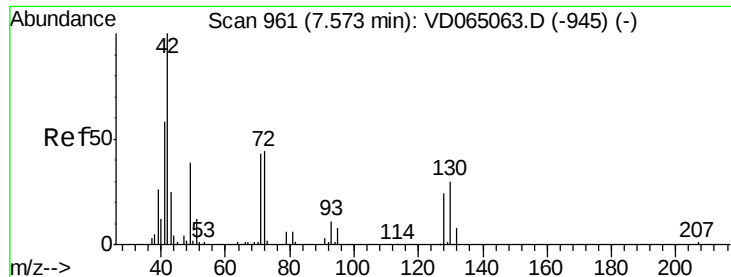


#28

Bromochloromethane
Concen: 62.227 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	77.3	63.8	95.8





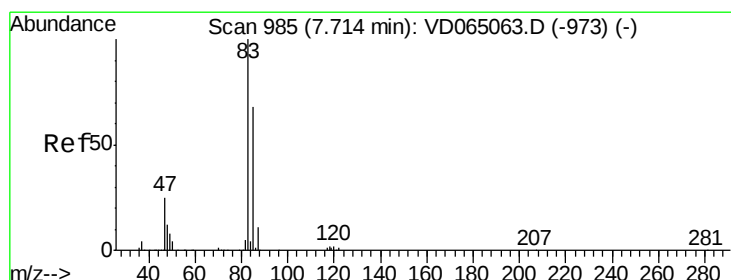
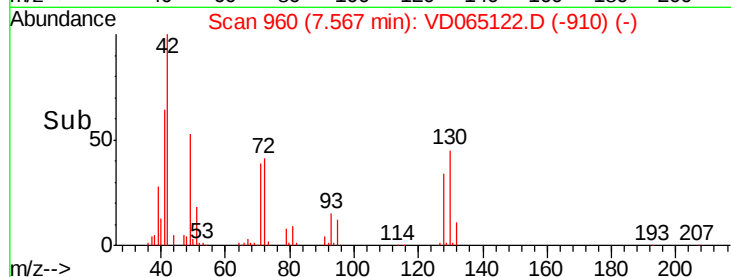
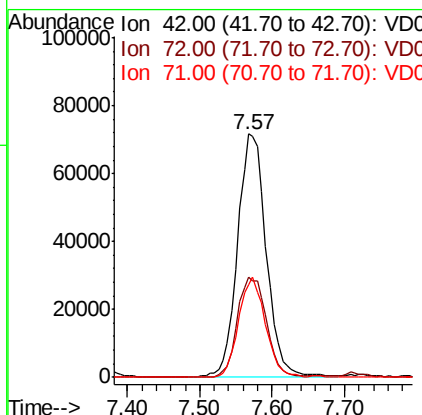
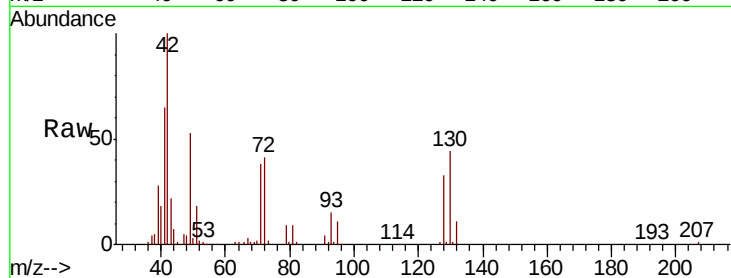
#29
Tetrahydrofuran
Concen: 324.049 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	34.2	51.4
71	38.3	31.8	47.6

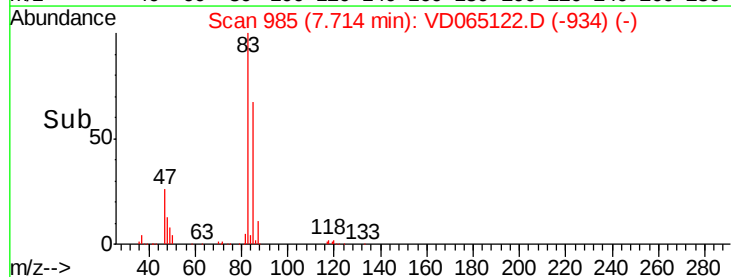
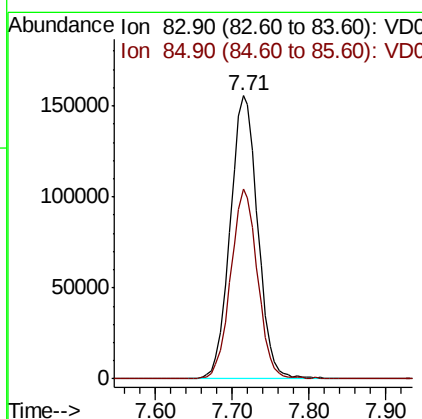
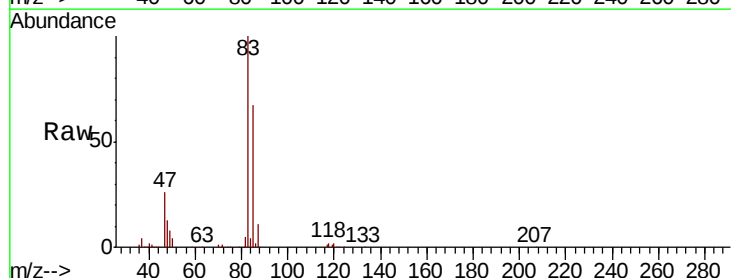
Manual Integrations
APPROVED

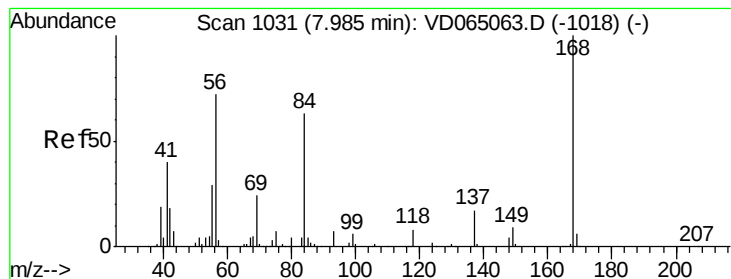
MMDadoda
2/10/2020 5:40:12 PM



#30
Chloroform
Concen: 58.612 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	54.2	81.4





#31

Cyclohexane

Concen: 48.975 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

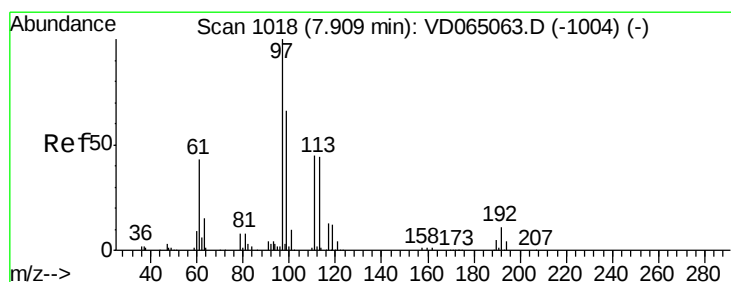
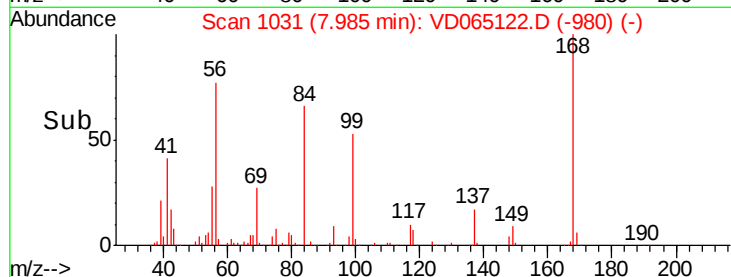
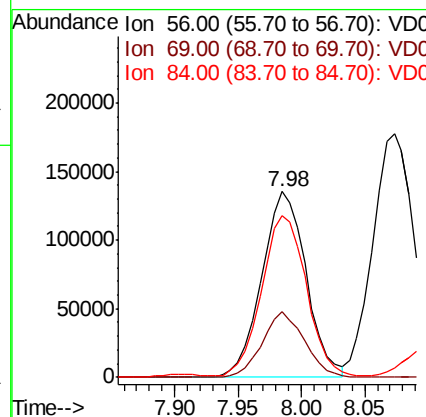
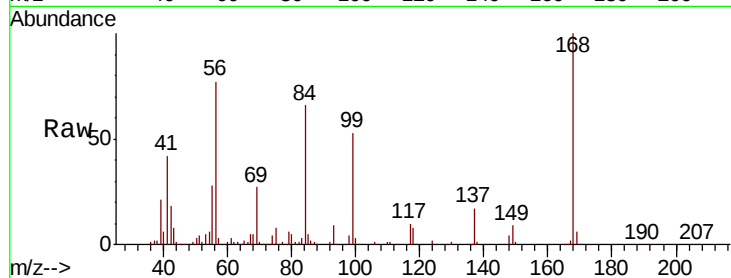
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	329768
Ion Ratio	Lower	Upper	
56	100		
69	35.3	26.6	40.0
84	85.3	70.6	106.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.927 ug/l

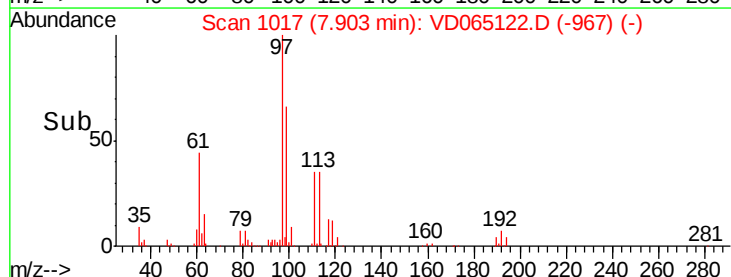
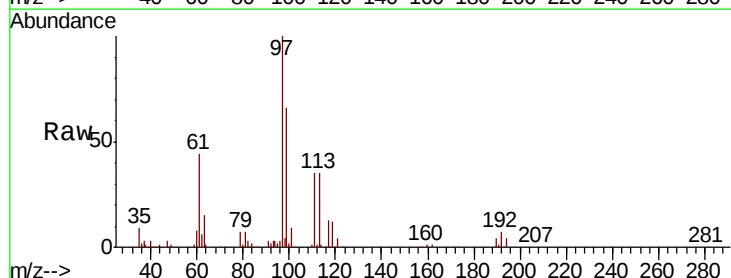
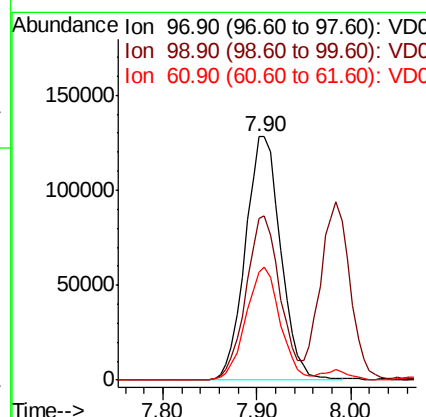
RT: 7.90 min Scan# 1017

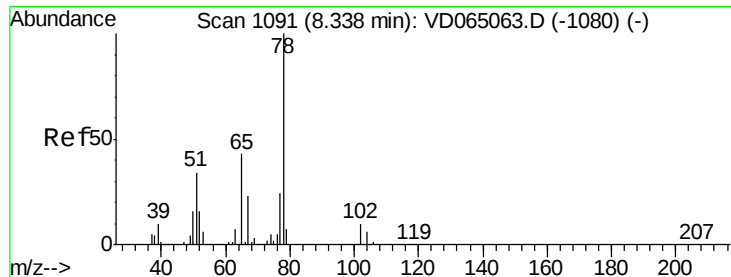
Delta R.T. -0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Tgt Ion:	97	Resp:	333647
Ion Ratio	Lower	Upper	
97	100		
99	65.3	51.5	77.3
61	44.7	34.8	52.2





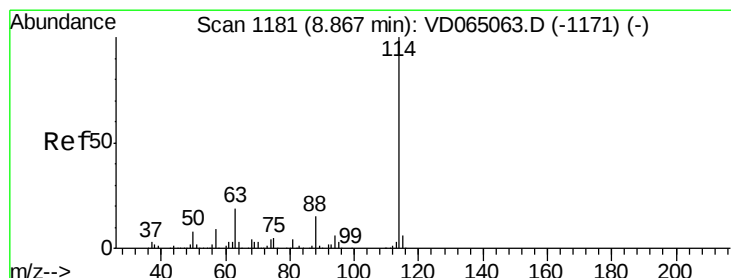
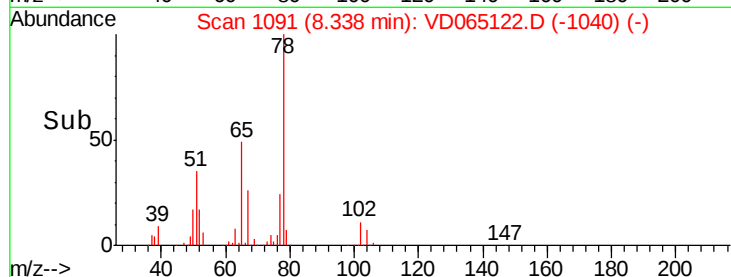
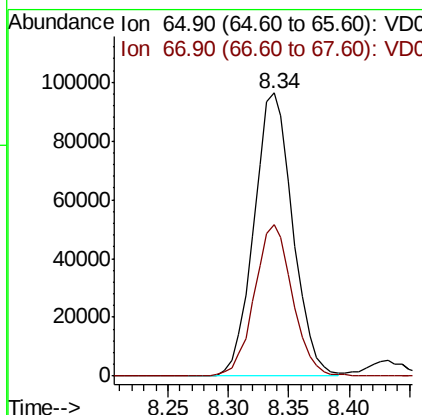
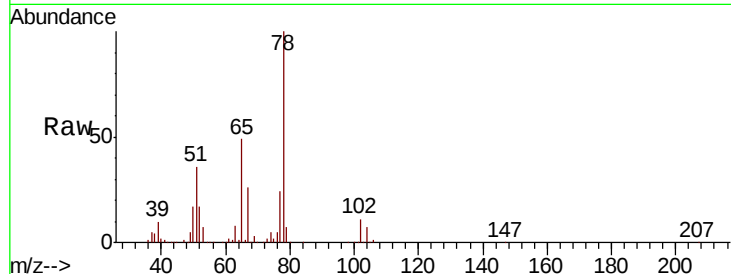
#33
 1,2-Dichloroethane-d4
 Concen: 63.713 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	215654		
67	52.6	0.0	105.8	

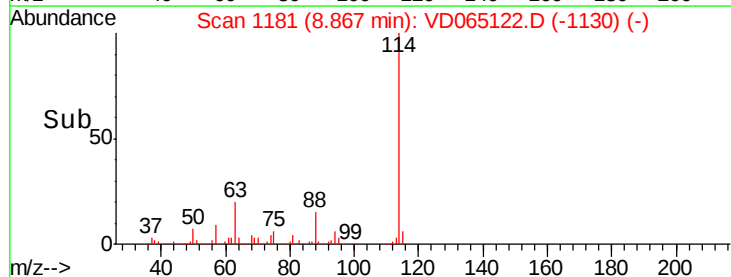
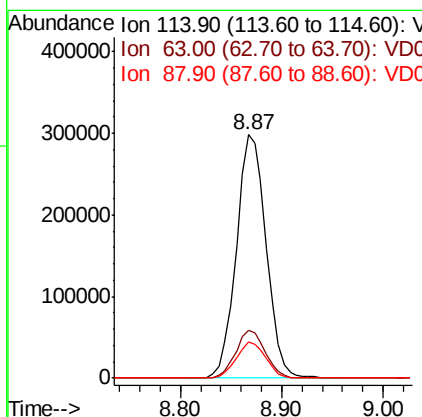
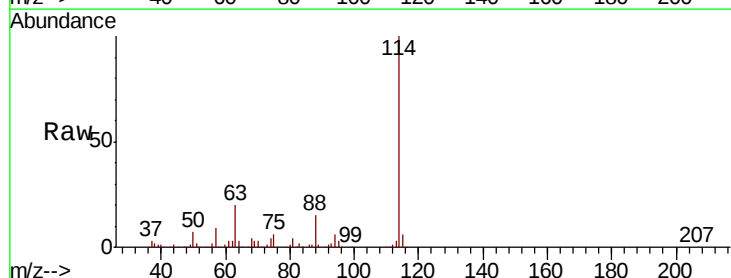
Manual Integrations
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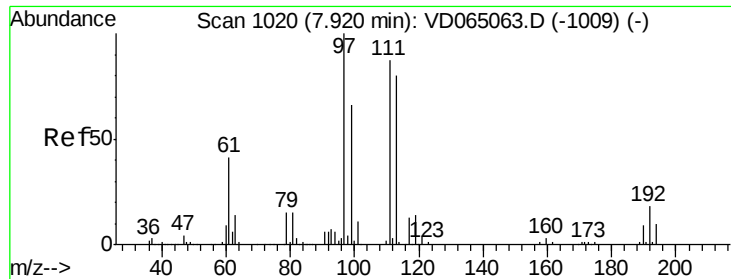
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 2/10/2020 5:40:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	607421		
63	19.8	0.0	38.8	
88	15.0	0.0	29.6	





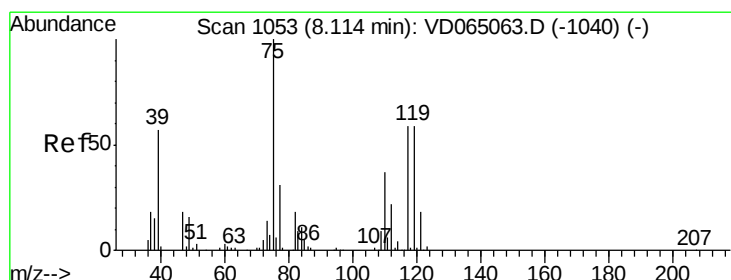
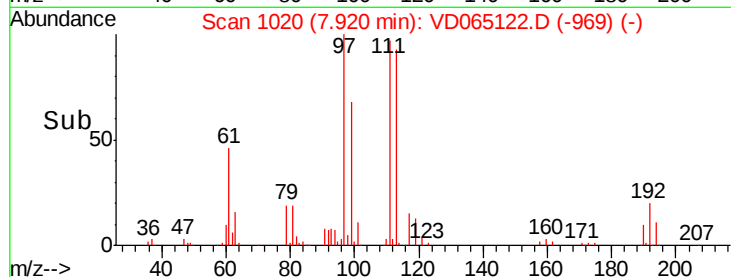
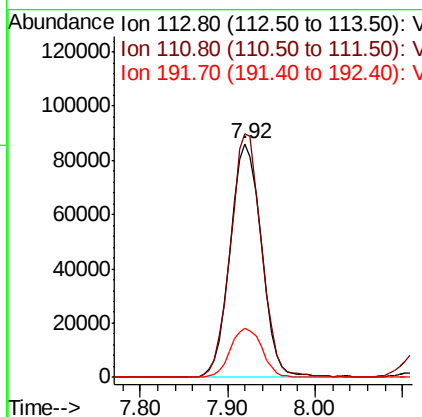
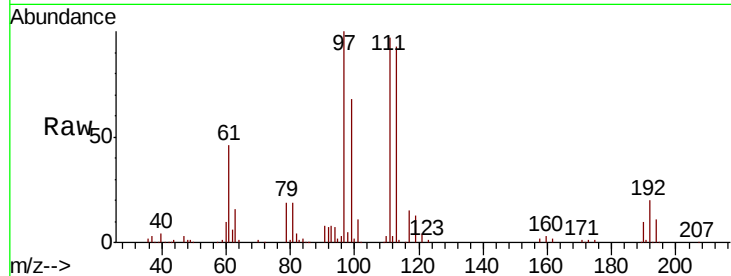
#35
 Dibromofluoromethane
 Concen: 61.953 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	209961		
111	102.8		83.1	124.7
192	21.2		18.1	27.1

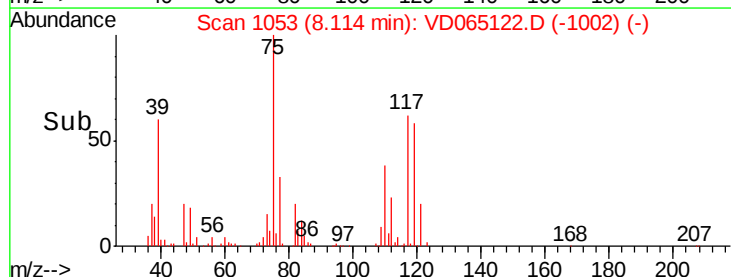
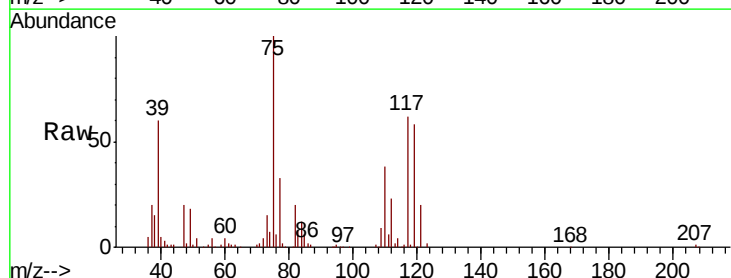
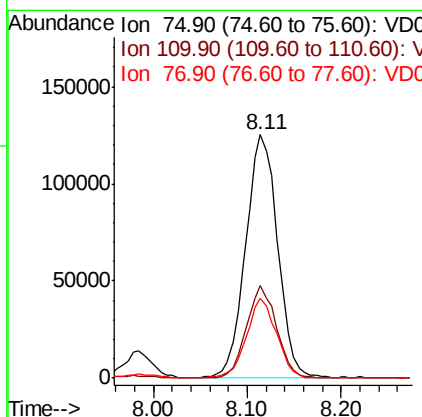
Manual Integrations
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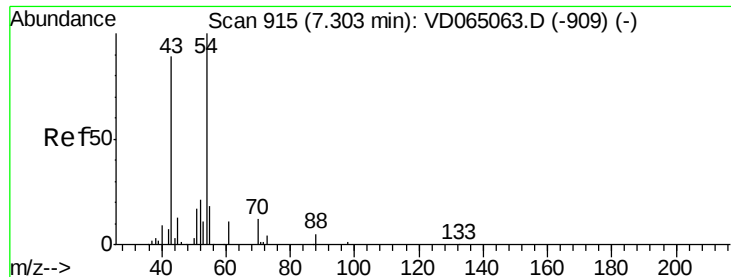
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 52.069 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	294089		
110	35.7		18.1	54.3
77	31.2		24.7	37.1





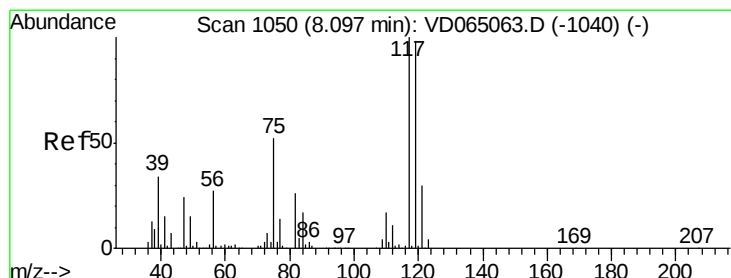
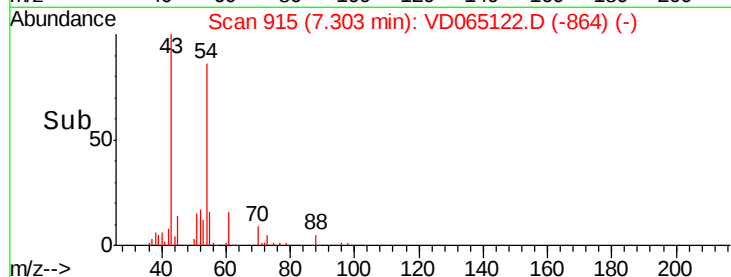
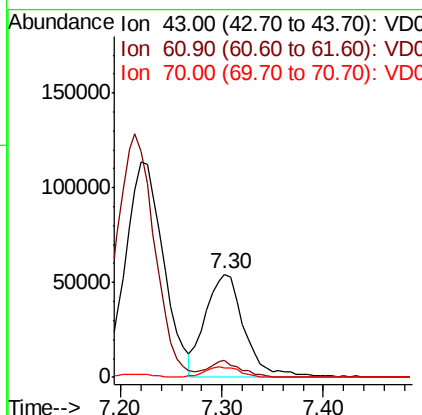
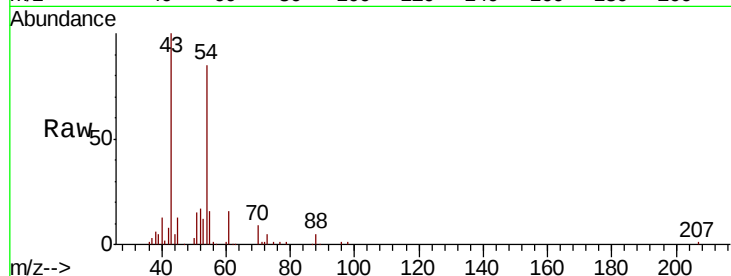
#37
Ethyl Acetate
Concen: 61.696 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	9.8	8.2	12.2

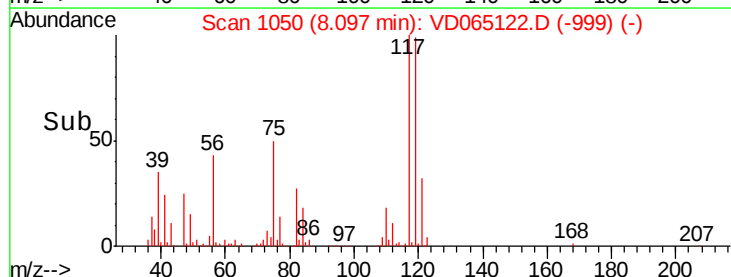
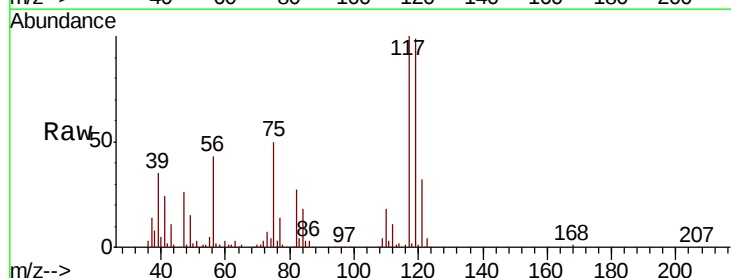
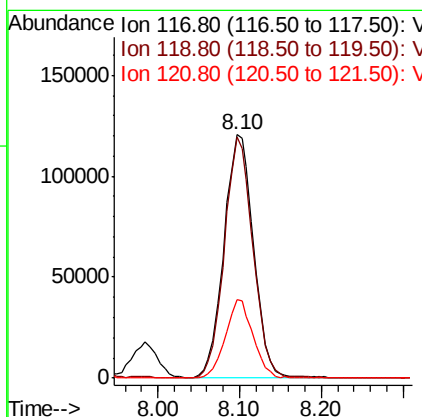
Manual Integrations
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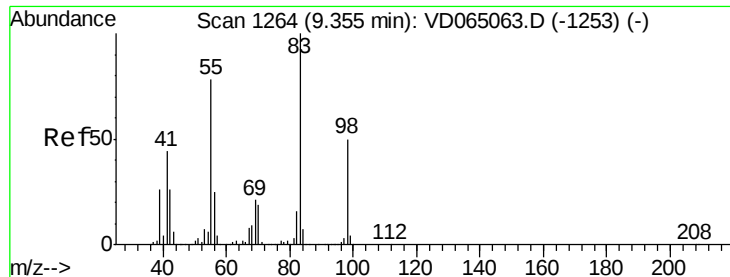
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.346 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	78.5	117.7
121	32.1	23.8	35.6





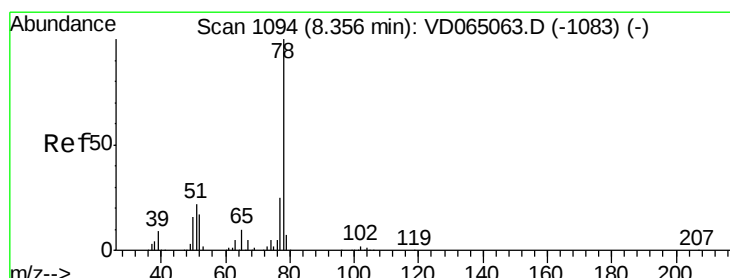
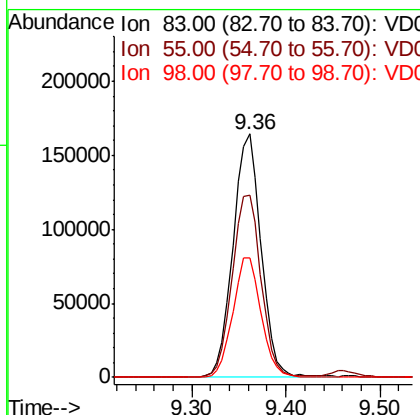
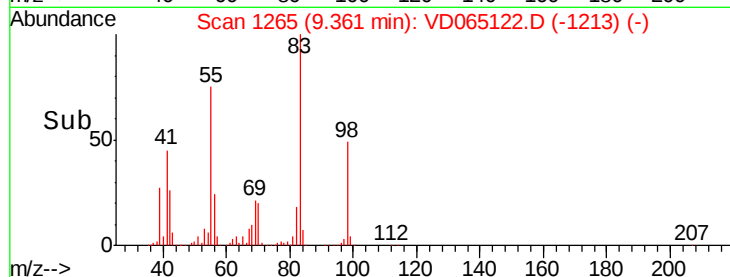
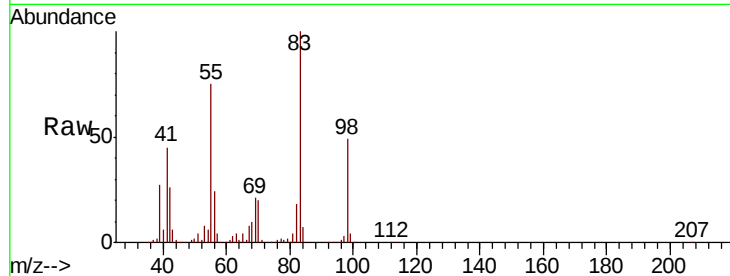
#39
Methvlcvclohexane
Concen: 48.869 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	340691		
55	74.6		62.0	93.0
98	48.9		39.9	59.9

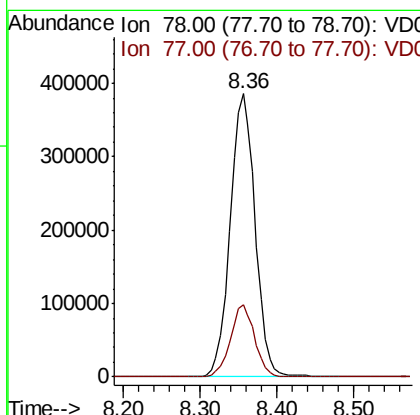
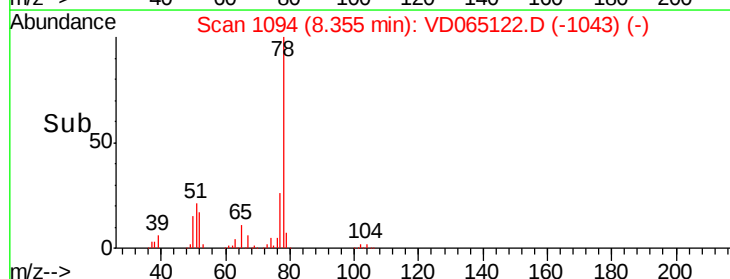
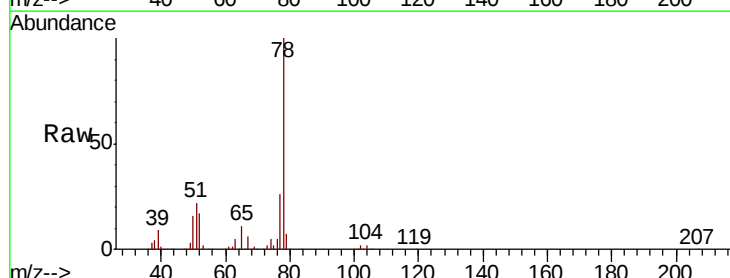
Manual Integrations
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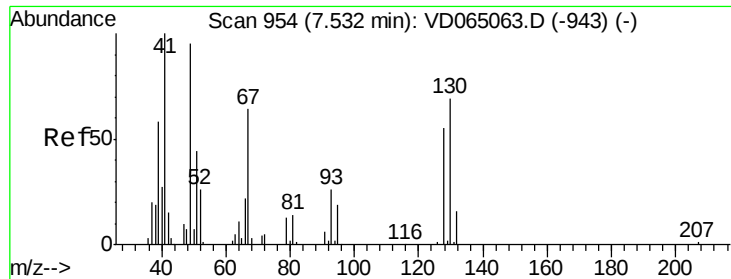
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#40
Benzene
Concen: 55.919 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	872175		
77	25.7		19.6	29.4





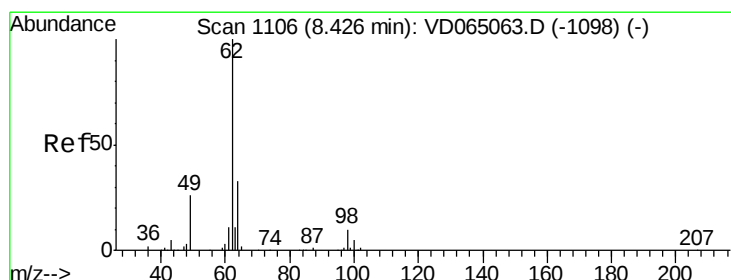
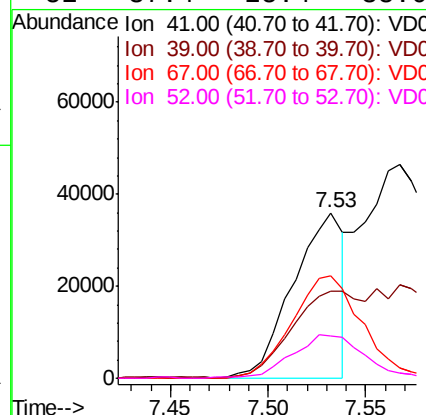
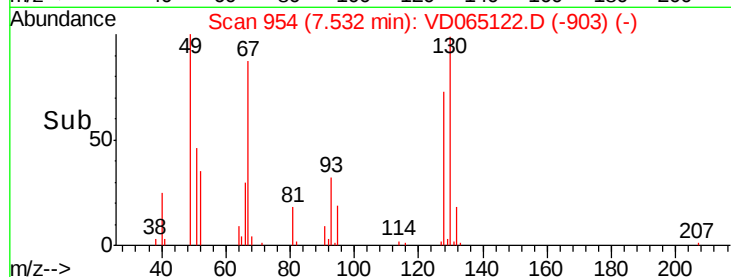
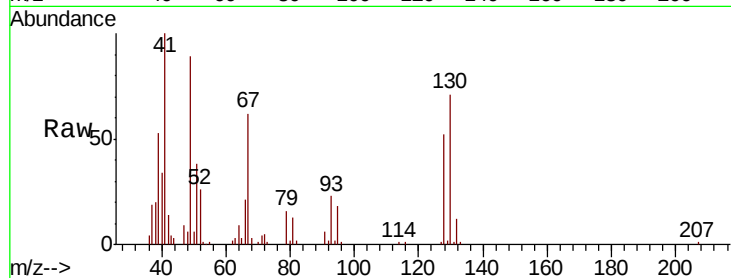
#41
Methacrylonitrile
Concen: 51.014 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.3	55.4	83.0
67	86.4	59.0	88.6
52	37.4	25.4	38.0

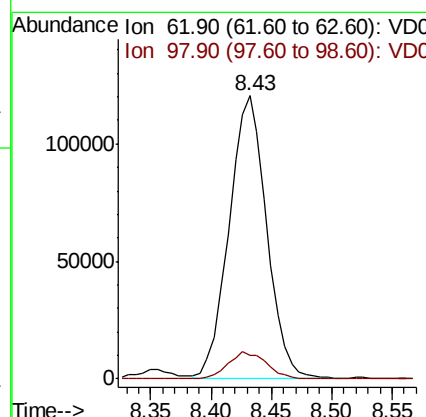
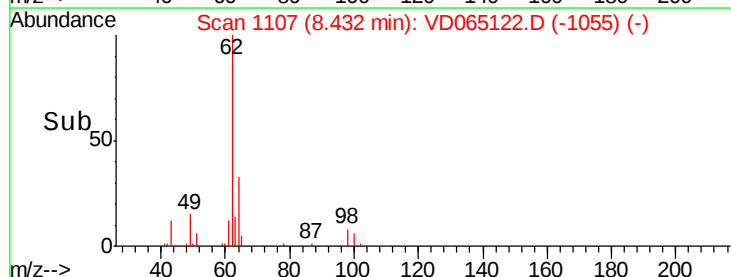
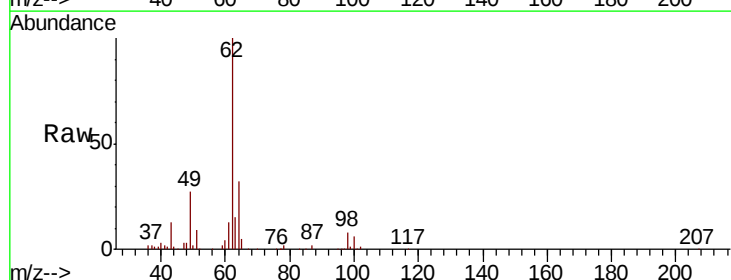
Manual Integrations
APPROVED

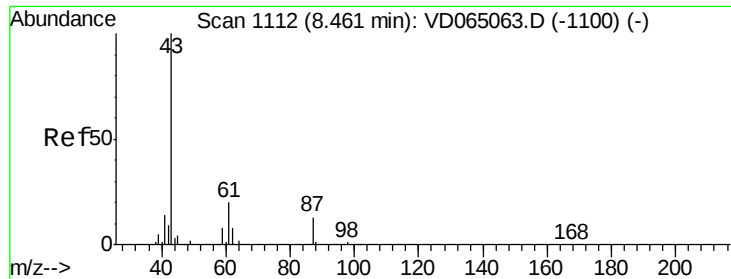
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2/10/2020 5:40:12 PM



#42
1,2-Dichloroethane
Concen: 58.260 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.6





#43

Isopropyl Acetate

Concen: 59.294 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

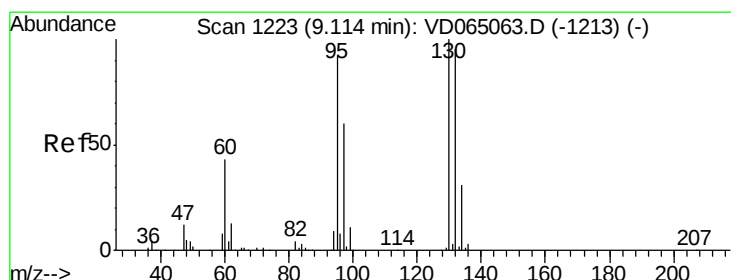
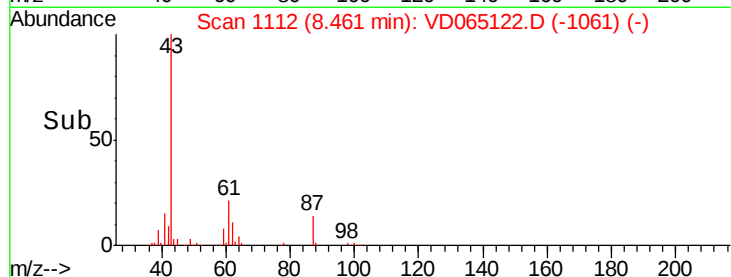
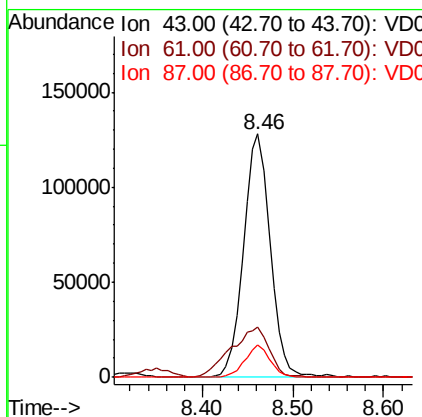
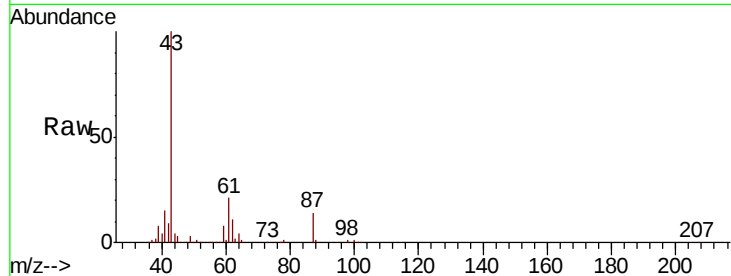
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	261721
Ion	Ratio	Lower	Upper
43	100		
61	29.6	24.0	36.0
87	12.6	10.2	15.4

Manual Integrations
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#44

Trichloroethene

Concen: 51.414 ug/l

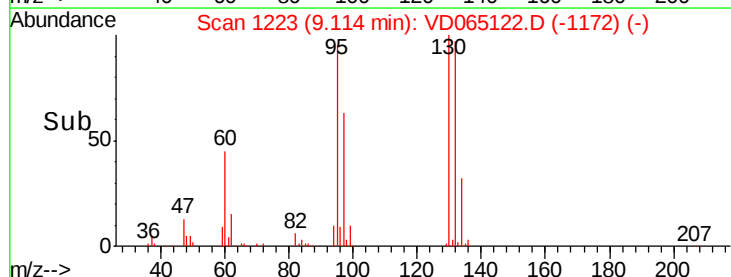
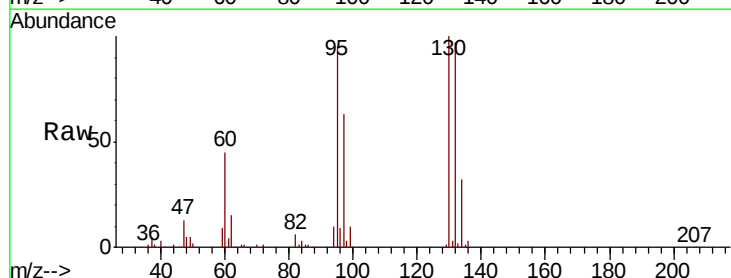
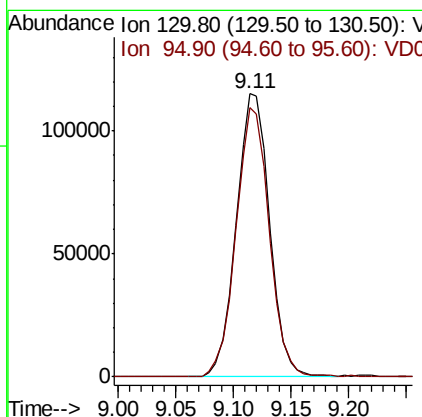
RT: 9.11 min Scan# 1223

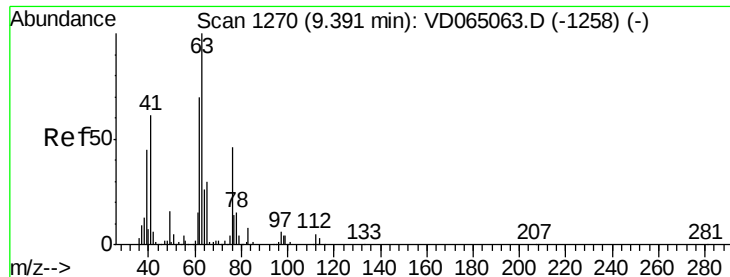
Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Tgt Ion:	130	Resp:	230176
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	185.0





#45

1,2-Dichloropropane

Concen: 57.996 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 216879

Ion Ratio Lower Upper

63 100

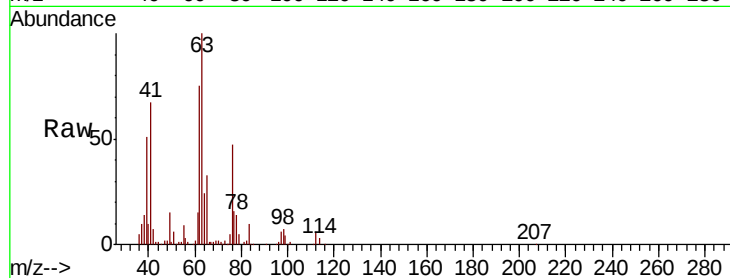
65 32.8 23.9 35.9

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

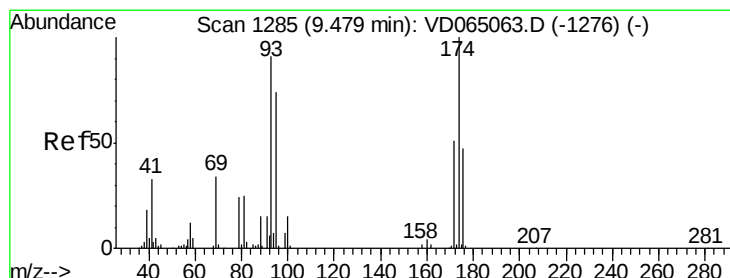
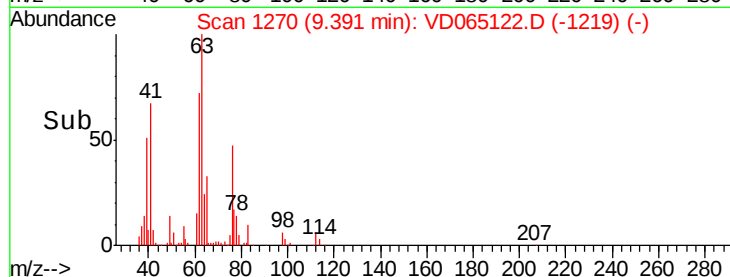
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 59.089 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

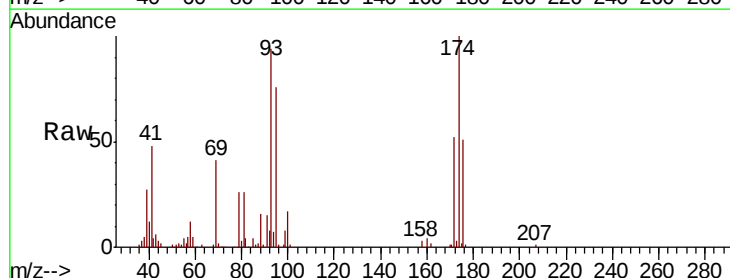
Tgt Ion: 93 Resp: 116114

Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

174 108.5 89.8 134.8



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.48

80000

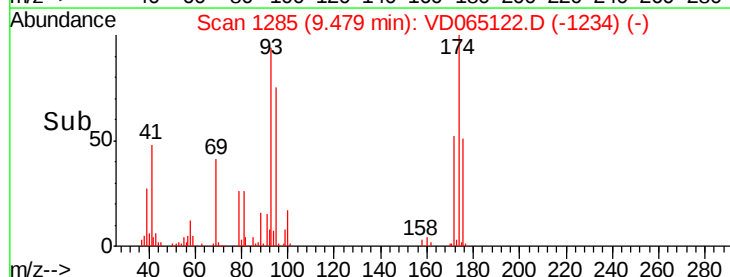
60000

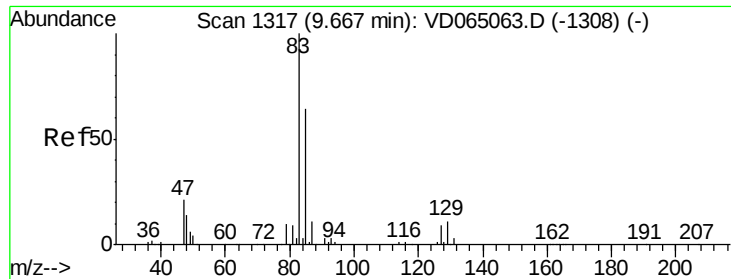
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 58.921 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

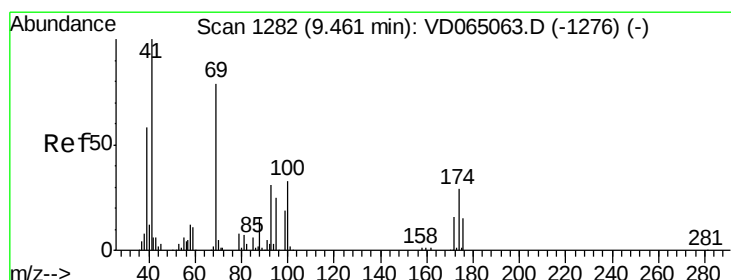
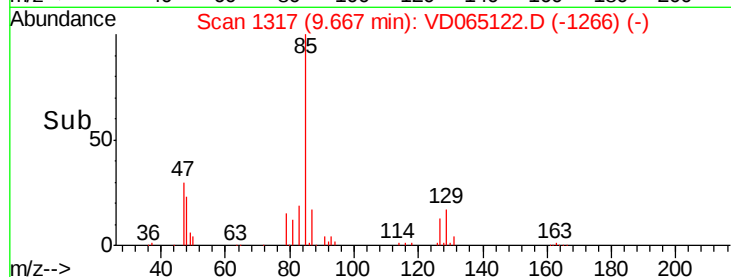
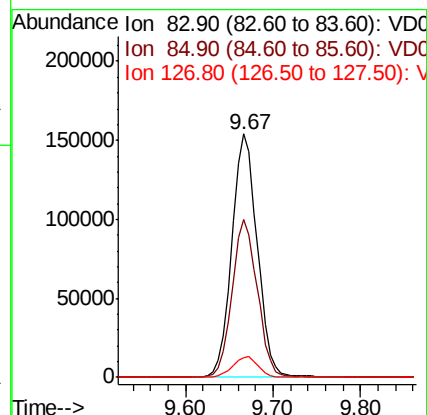
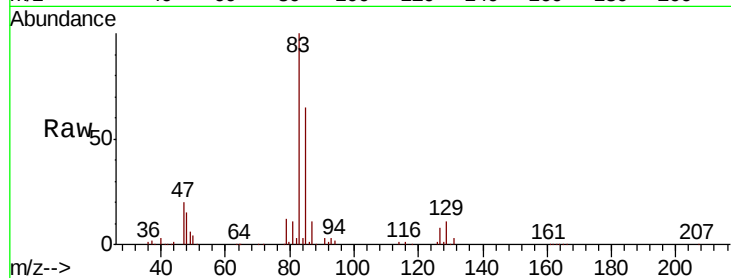
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	305075
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.6
127	8.2	7.3	10.9

Manual Integrations
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2/10/2020 5:40:12 PM



#48

Methyl methacrylate

Concen: 59.046 ug/l

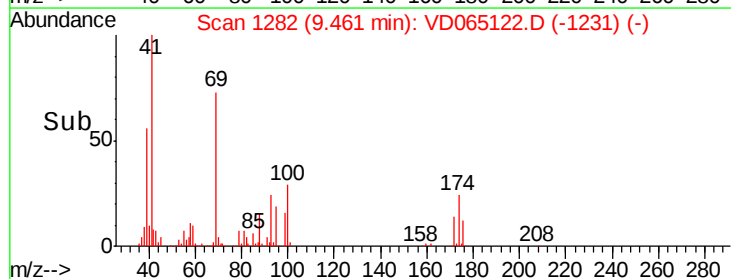
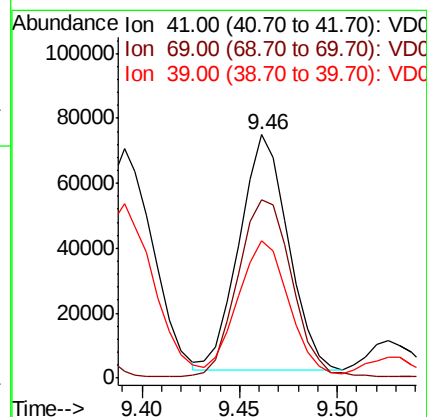
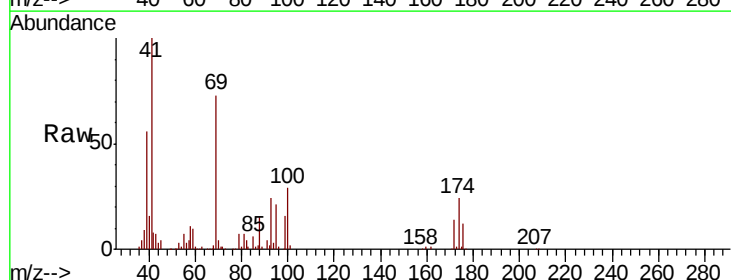
RT: 9.46 min Scan# 1282

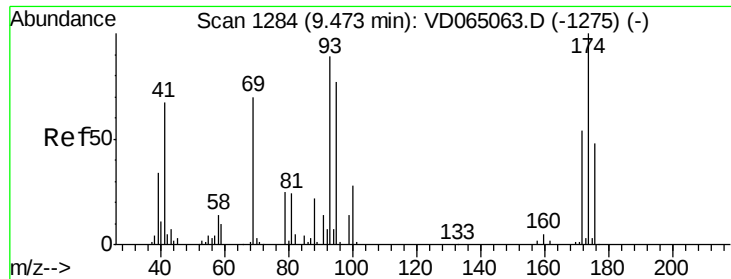
Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Tgt Ion:	41	Resp:	125415
Ion	Ratio	Lower	Upper
41	100		
69	84.9	67.5	101.3
39	62.2	47.0	70.4





#49

1,4-Dioxane

Concen: 1221.672 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

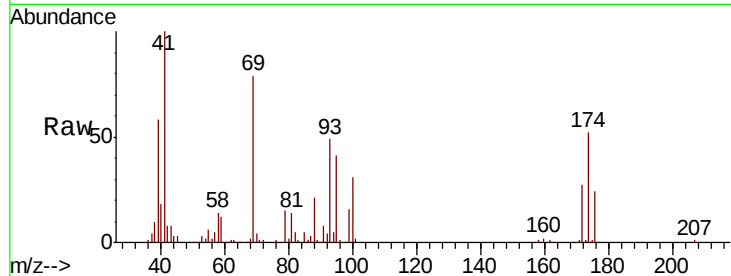
ClientSampleId :

VSTDCCC050EC

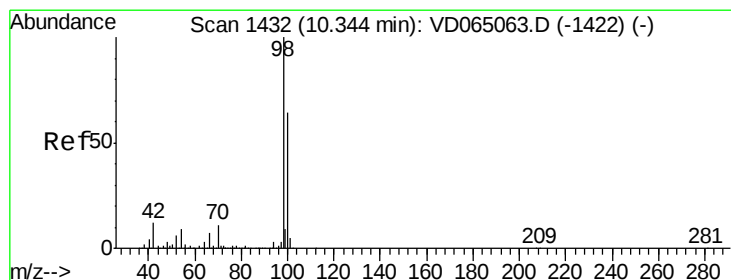
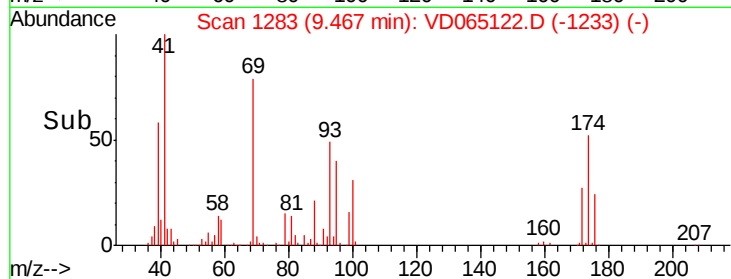
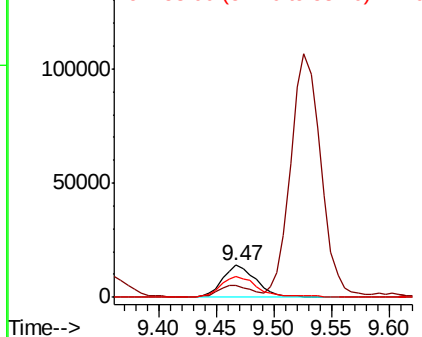
Tot Ion:	88	Resp:	28434
Ion Ratio	Lower	Upper	
88	100		
43	38.2	27.7	41.5
58	73.7	55.5	83.3

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Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 59.513 ug/l

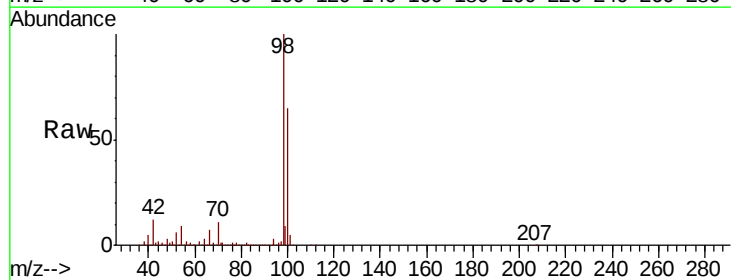
RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

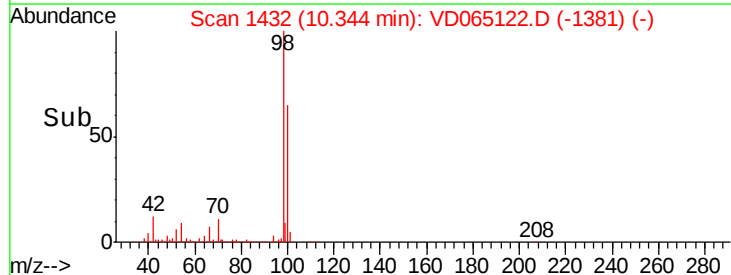
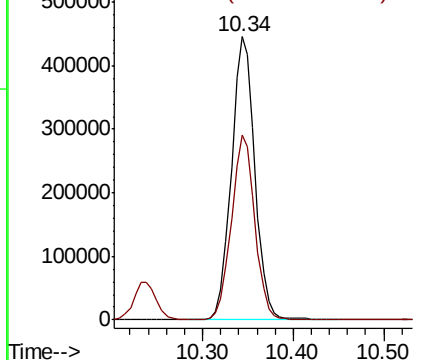
Lab File: VD065122.D

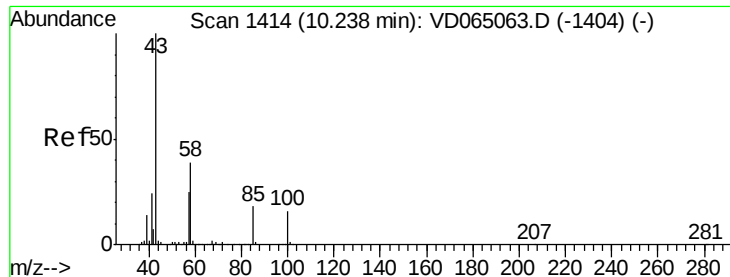
Acq: 07 Feb 2020 21:05

Tgt Ion:	98	Resp:	802792
Ion Ratio	Lower	Upper	
98	100		
100	65.0	52.1	78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





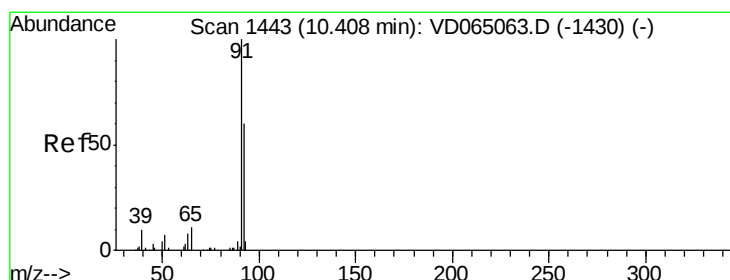
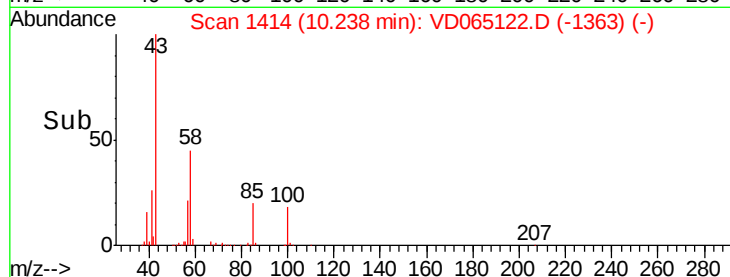
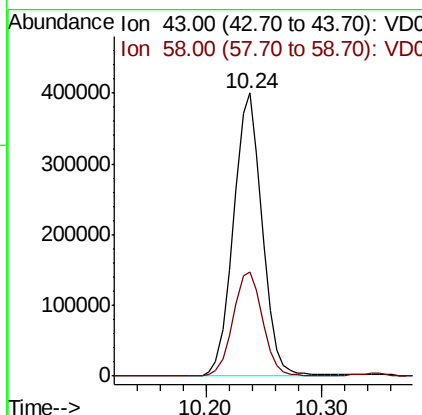
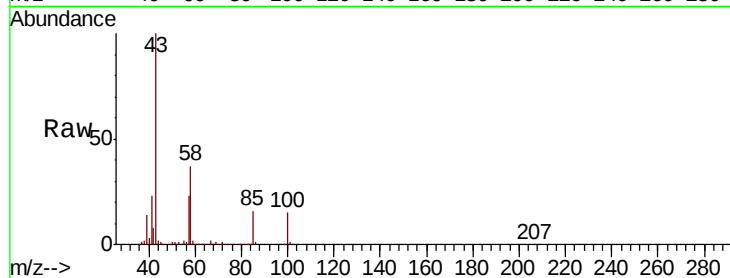
#51
4-Methyl-2-Pentanone
Concen: 317.133 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	689016
Ion Ratio	100	Lower	Upper
43	100		
58	37.8	30.2	45.2

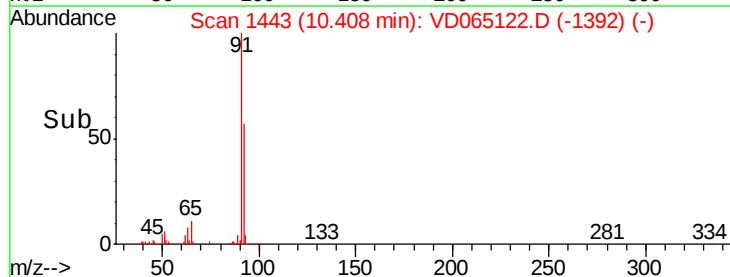
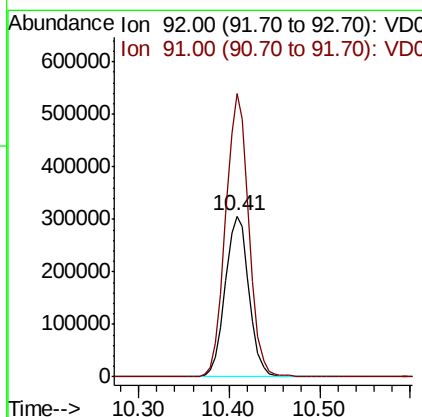
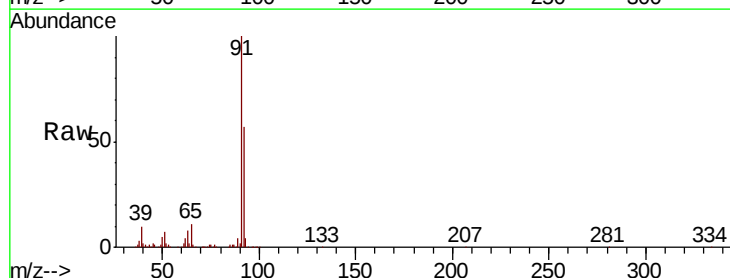
Manual Integrations
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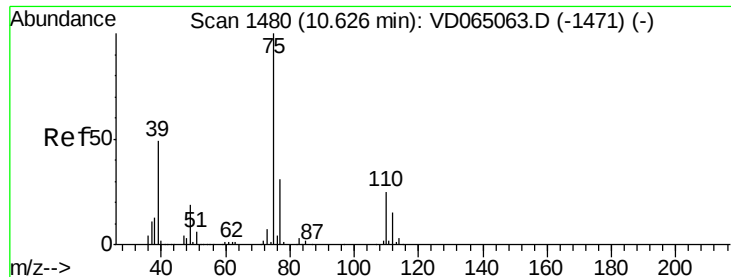
MMDadoda
2/10/2020 5:40:12 PM



#52
Toluene
Concen: 55.766 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion	92	Resp	555138
Ion Ratio	100	Lower	Upper
92	100		
91	172.7	135.3	202.9





#53

t-1,3-Dichloropropene

Concen: 57.610 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 290425

Ion Ratio Lower Upper

75 100

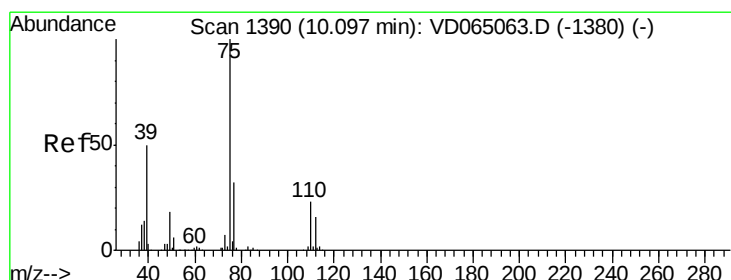
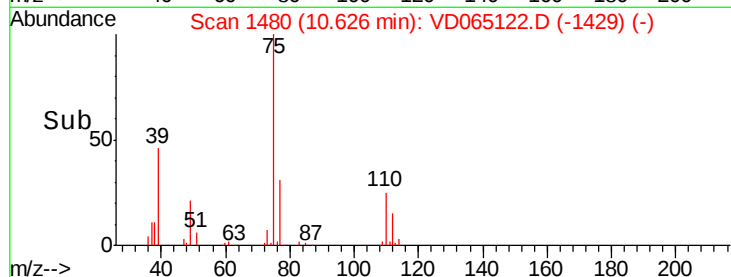
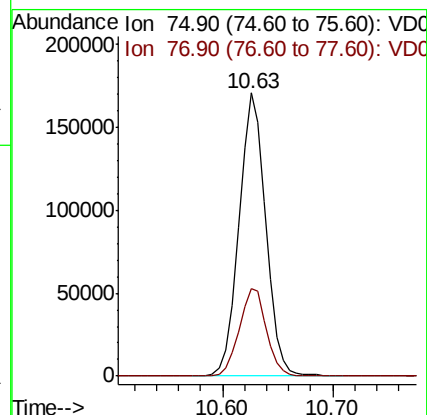
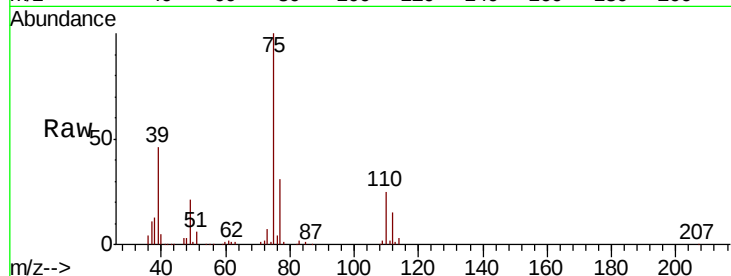
77 30.9 24.9 37.3

Manual Integrations

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2/10/2020 5:40:12 PM



#54

cis-1,3-Dichloropropene

Concen: 56.738 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

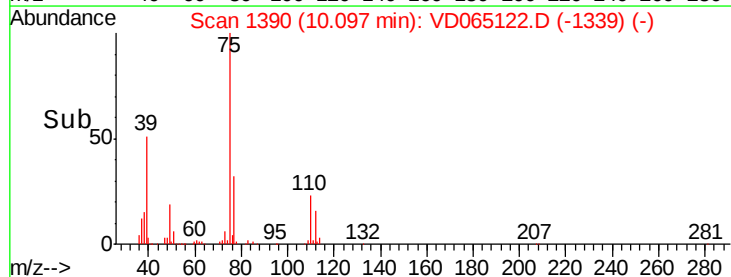
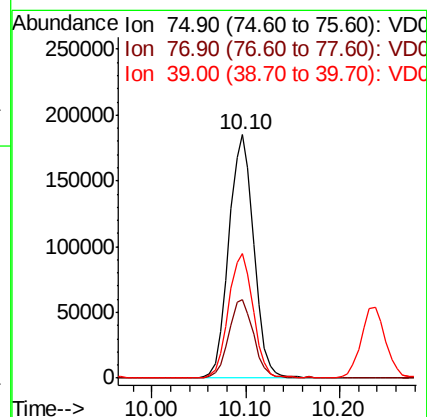
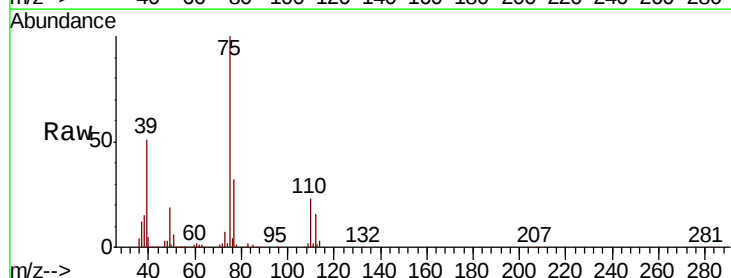
Tgt Ion: 75 Resp: 342091

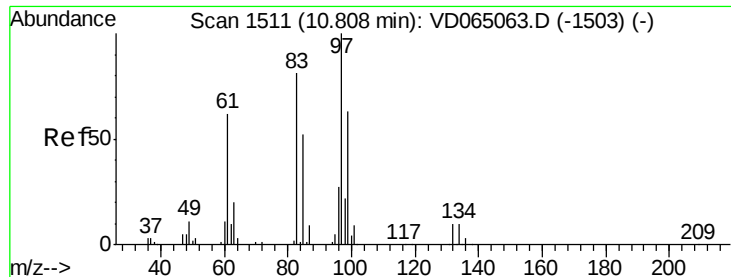
Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9

39 51.1 40.3 60.5





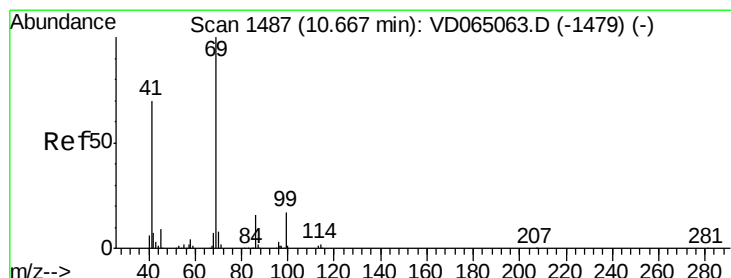
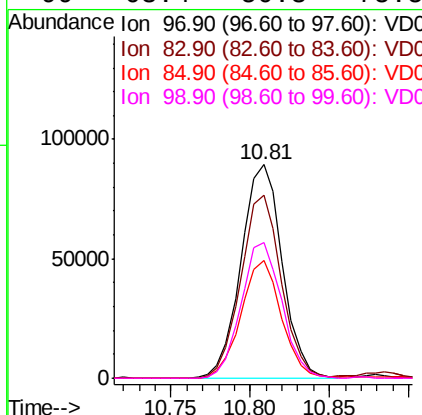
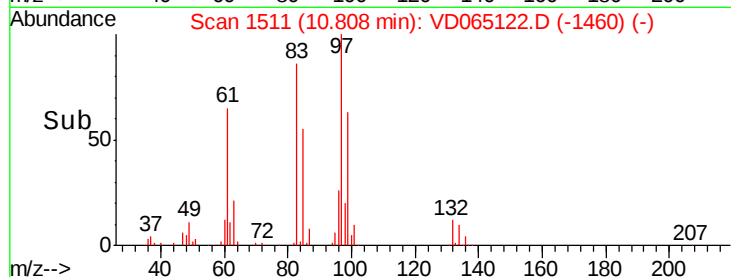
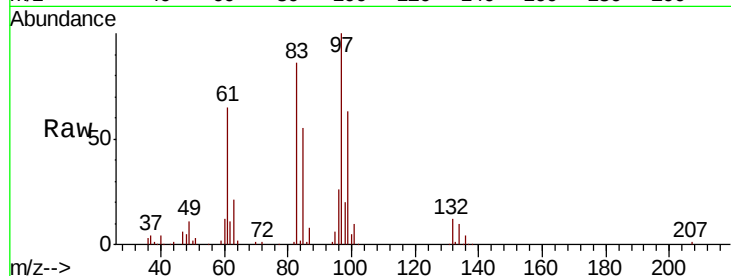
#55
 1,1,2-Trichloroethane
 Concen: 60.046 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	161845
Ion	Ratio	Lower	Upper
97	100		
83	85.6	64.8	97.2
85	54.7	41.2	61.8
99	63.4	50.3	75.5

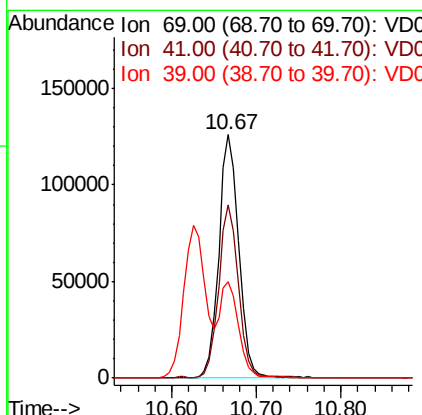
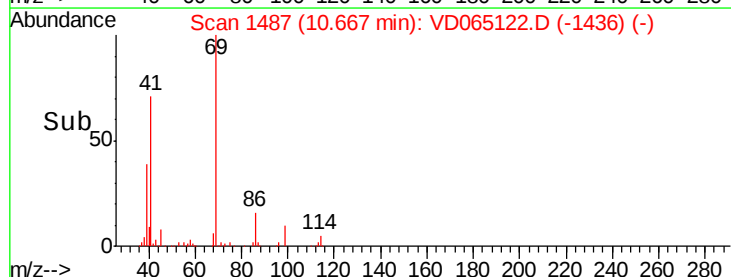
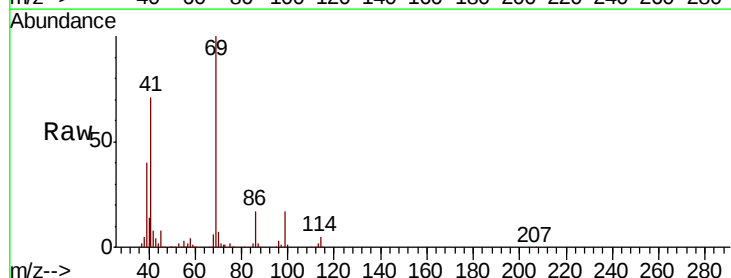
Manual Integrations
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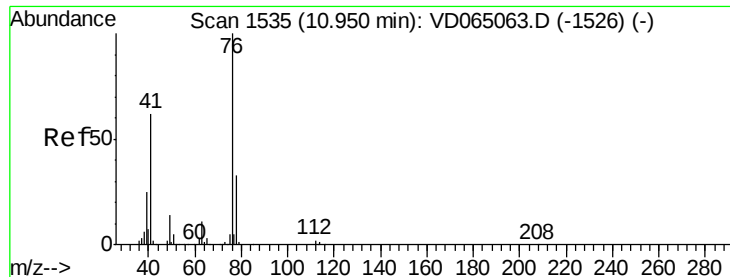
MMDadoda
 2/10/2020 5:40:12 PM



#56
 Ethyl methacrylate
 Concen: 61.083 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion:	69	Resp:	208314
Ion	Ratio	Lower	Upper
69	100		
41	69.3	55.9	83.9
39	36.8	29.4	44.0





#57

1,3-Dichloropropane

Concen: 58.633 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 277896

Ion Ratio Lower Upper

76 100

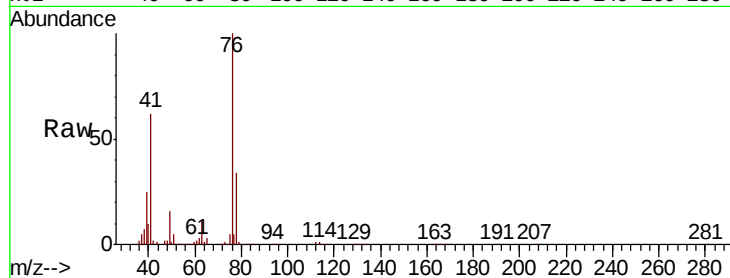
78 33.1 25.8 38.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

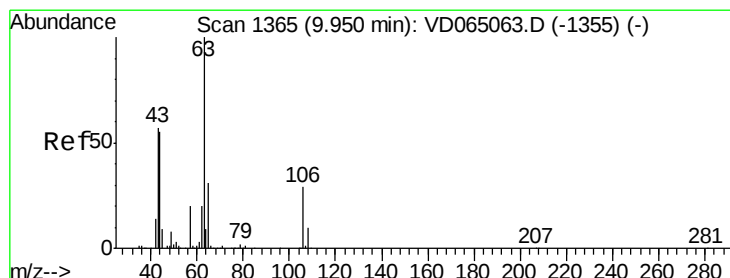
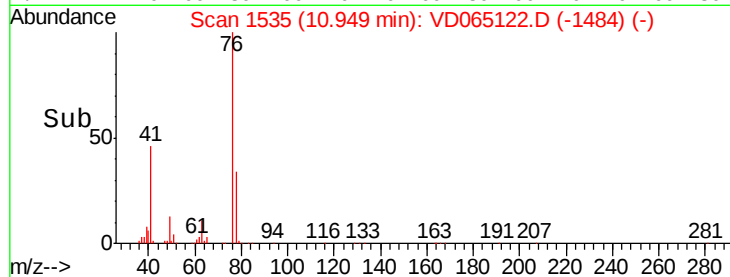
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 274.012 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065122.D

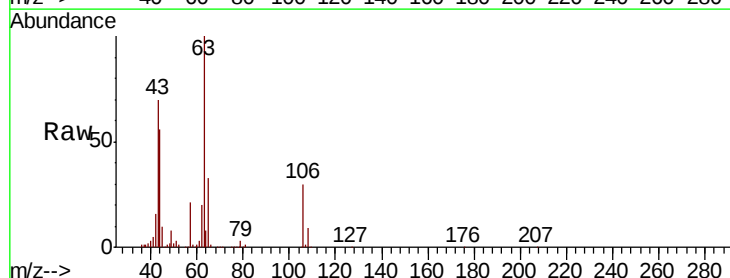
Acq: 07 Feb 2020 21:05

Tgt Ion: 63 Resp: 299918

Ion Ratio Lower Upper

63 100

106 29.2 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.95

200000

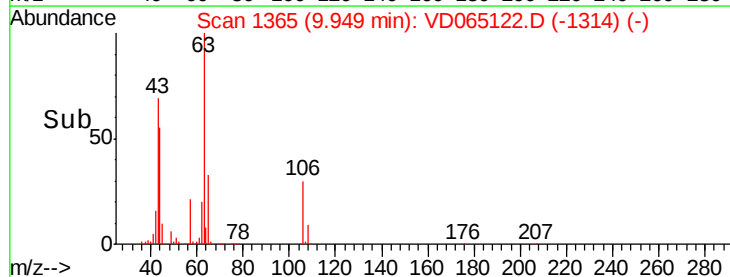
150000

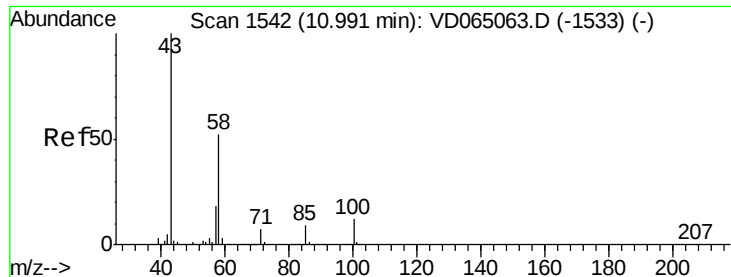
100000

50000

0

Time-->





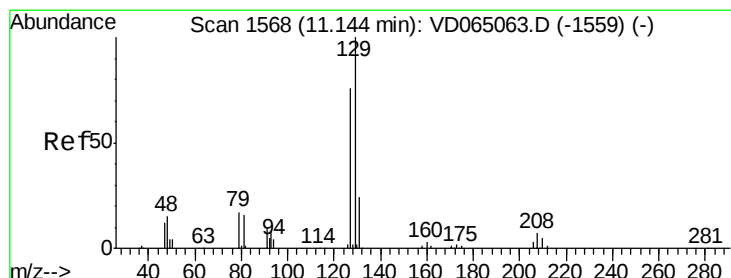
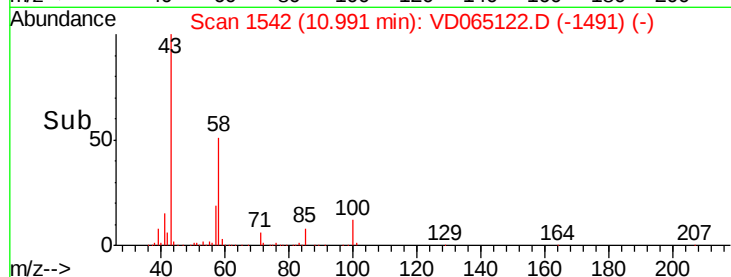
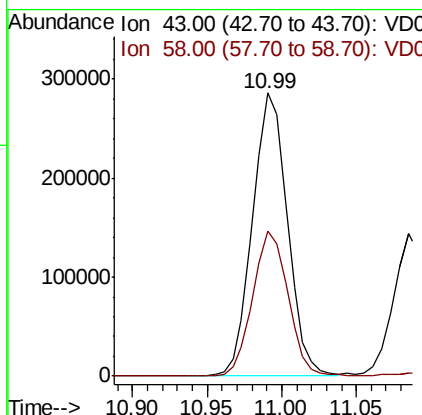
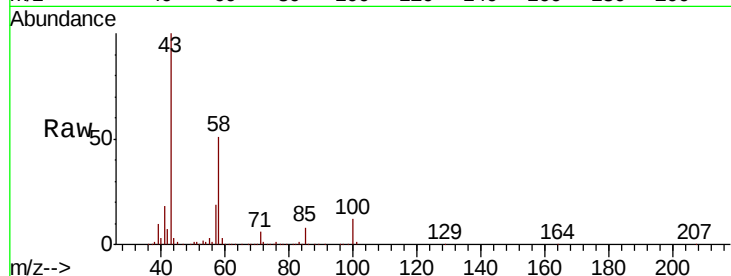
#59
2-Hexanone
Concen: 300.509 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 462463
Ion Ratio Lower Upper
43 100
58 52.0 26.2 78.6

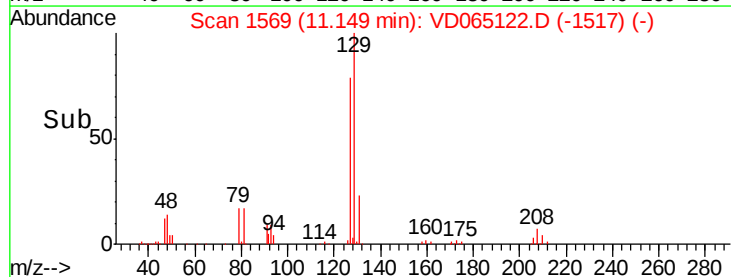
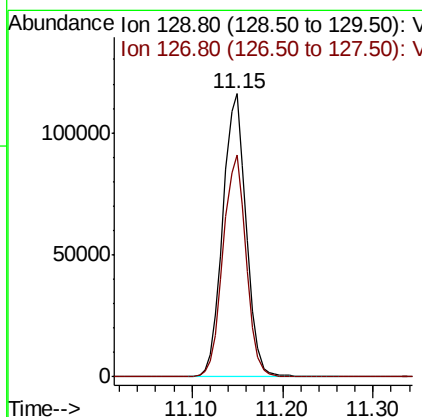
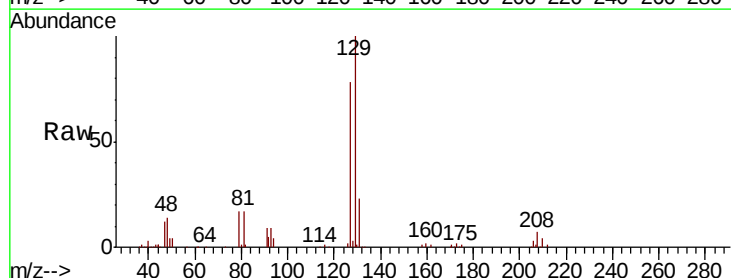
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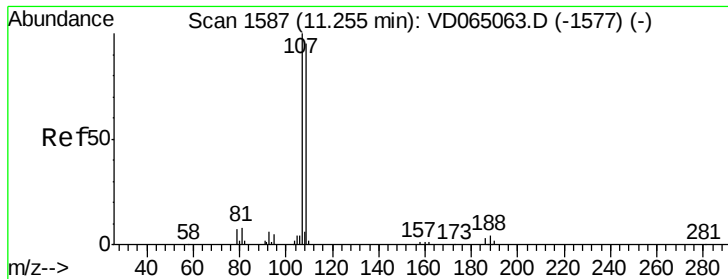
MMDadoda
2/10/2020 5:40:12 PM



#60
Dibromochloromethane
Concen: 59.503 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion: 129 Resp: 207734
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9





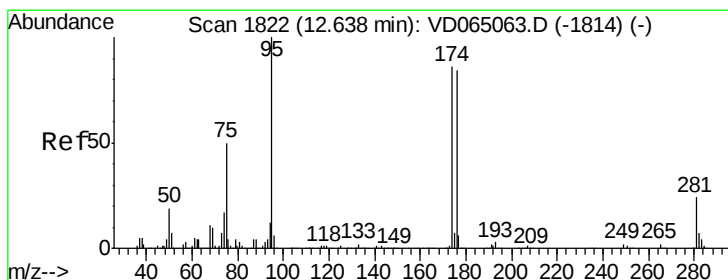
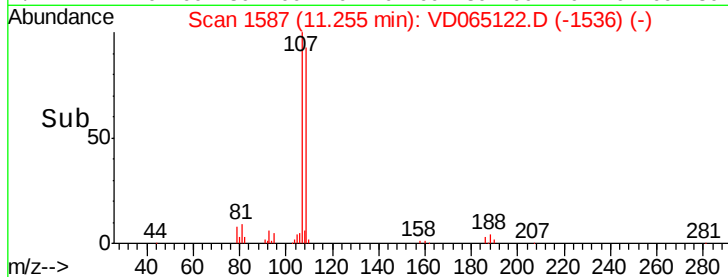
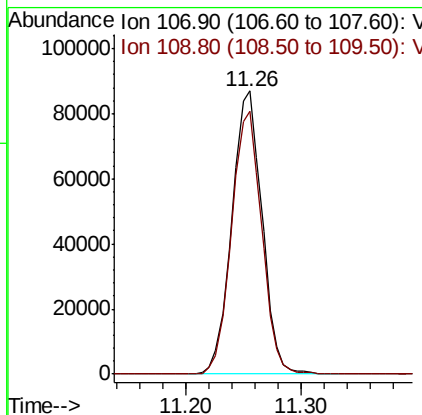
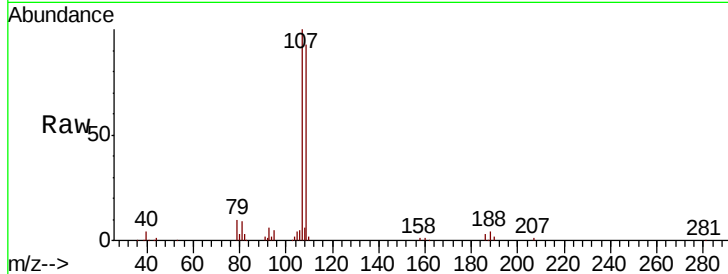
#61
 1,2-Dibromoethane
 Concen: 59.756 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.5	113.3

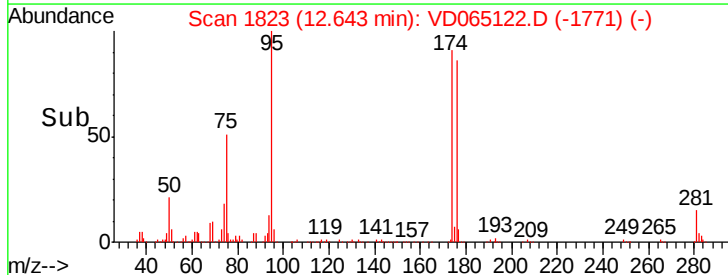
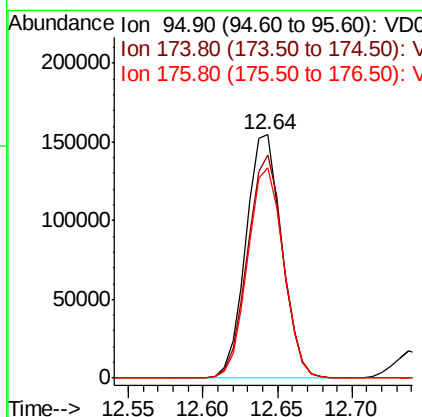
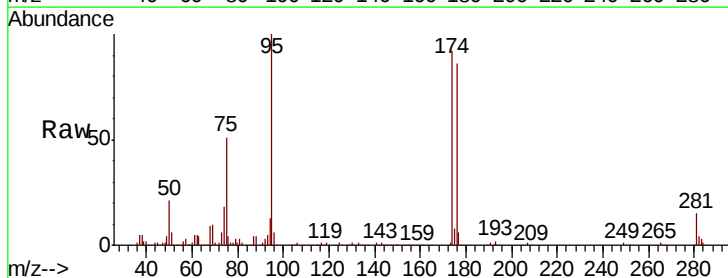
Manual Integrations
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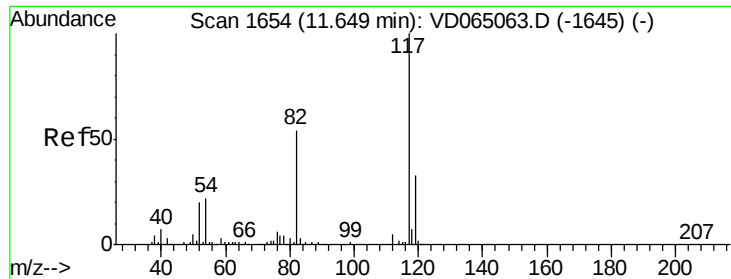
MMDadoda
 2/10/2020 5:40:12 PM



#62
 4-Bromofluorobenzene
 Concen: 60.036 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	180.0
176	86.2	0.0	173.2





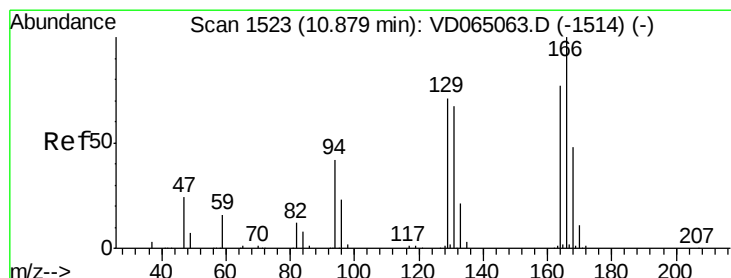
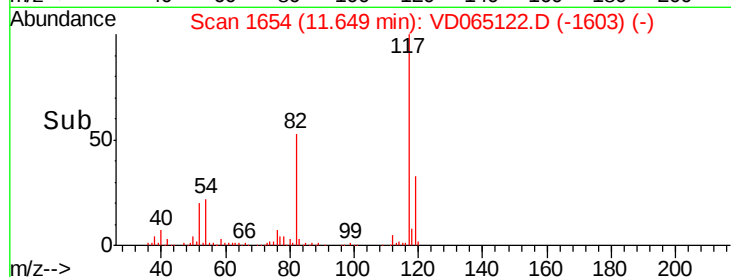
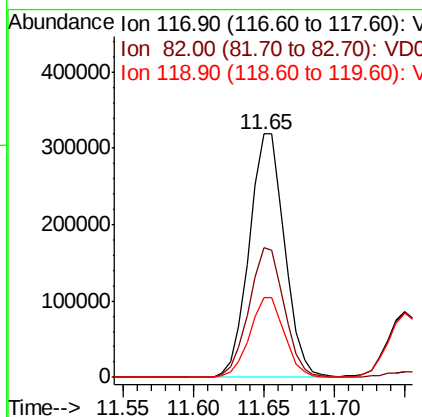
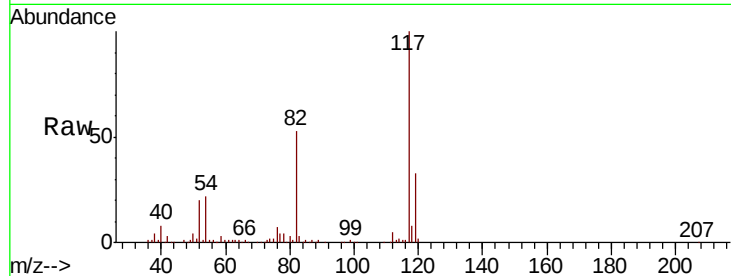
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.1	64.7
119	32.8	26.0	39.0

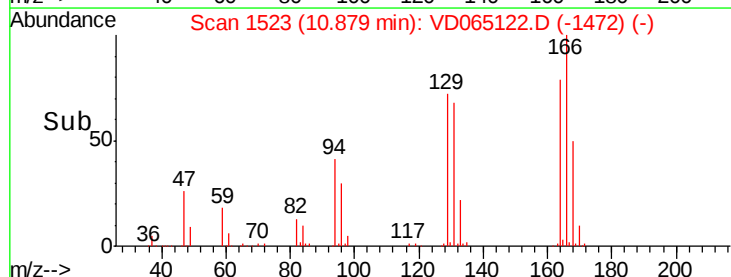
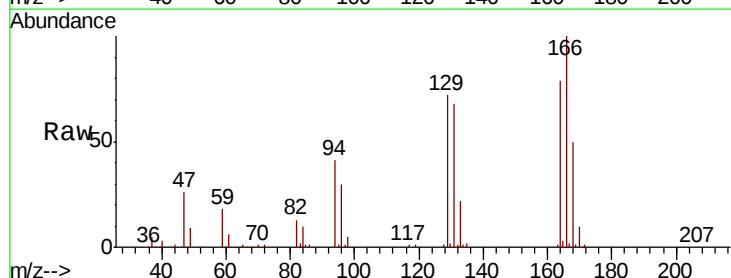
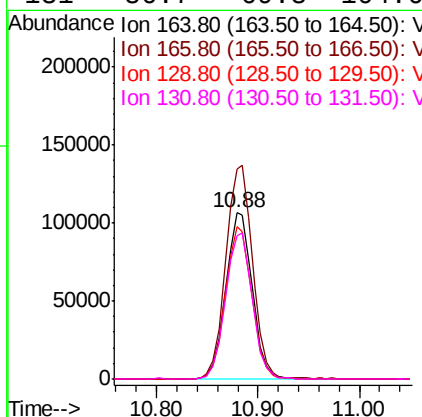
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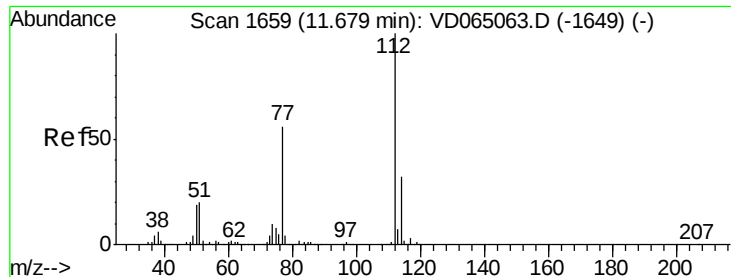
MMDadoda
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#64
Tetrachloroethene
Concen: 47.473 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	103.5	155.3
129	91.6	73.3	109.9
131	86.7	69.8	104.6





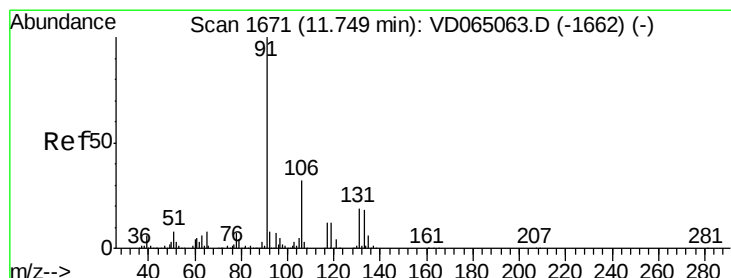
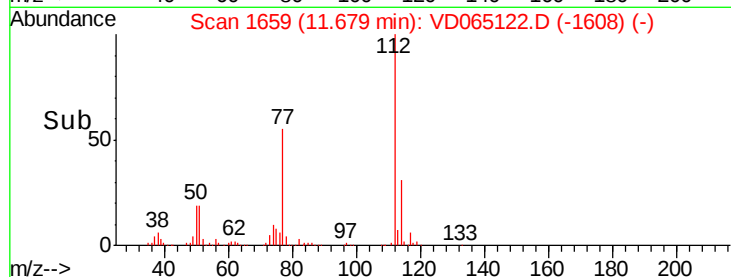
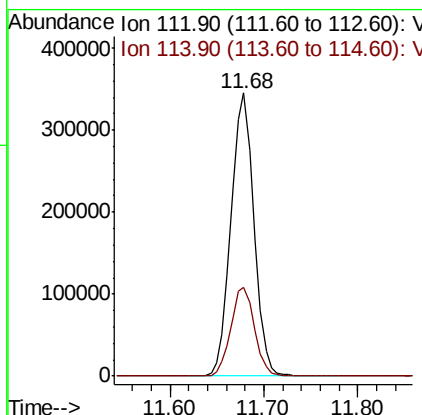
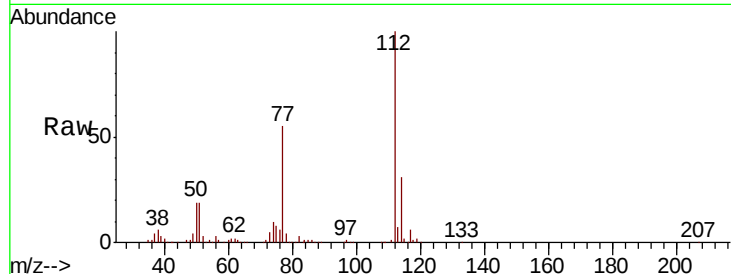
#65
Chlorobenzene
Concen: 53.724 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.4	38.0

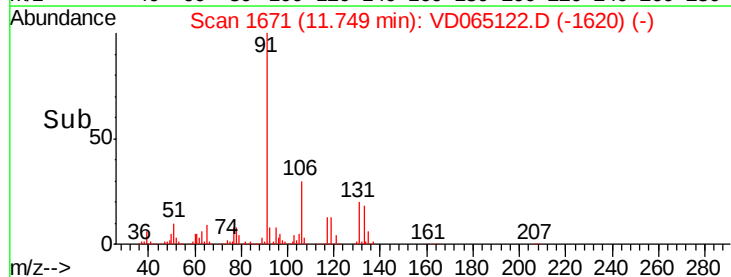
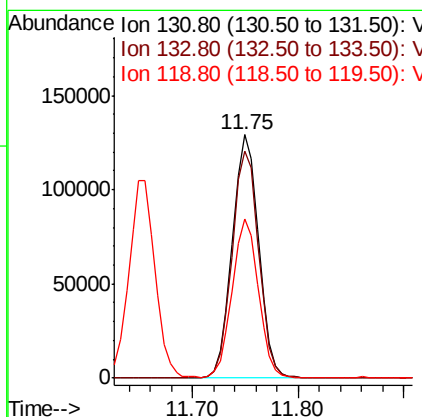
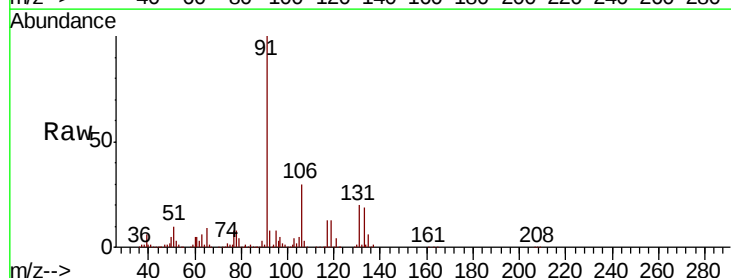
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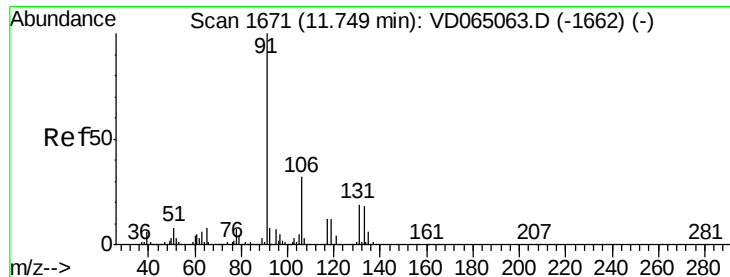
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.145 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.7	143.1
119	65.0	31.3	93.8





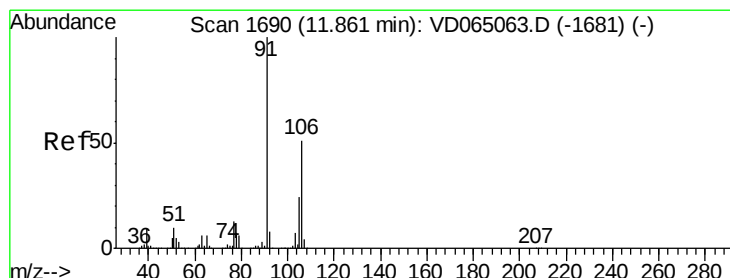
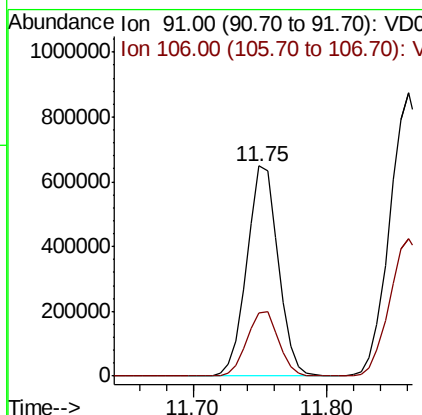
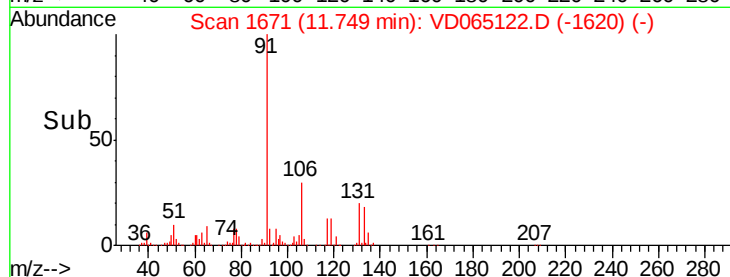
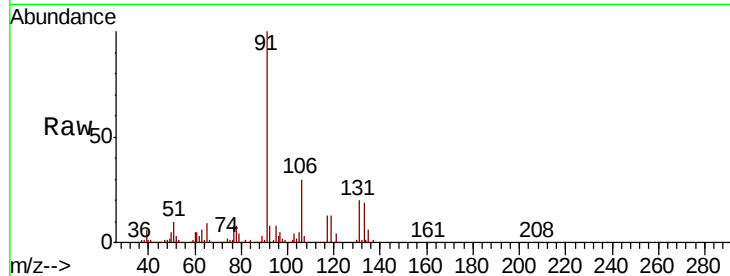
#67
Ethyl Benzene
Concen: 52.988 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1050030
Ion Ratio Lower Upper
91 100
106 30.0 25.4 38.2

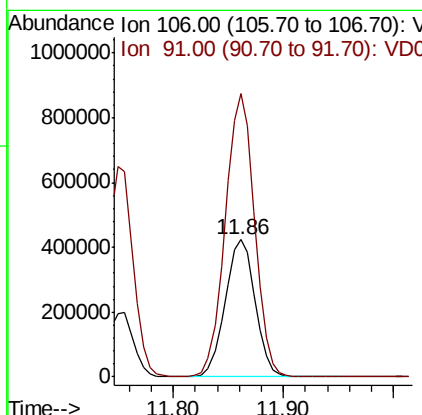
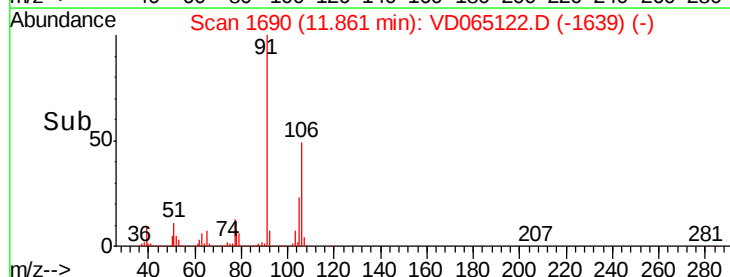
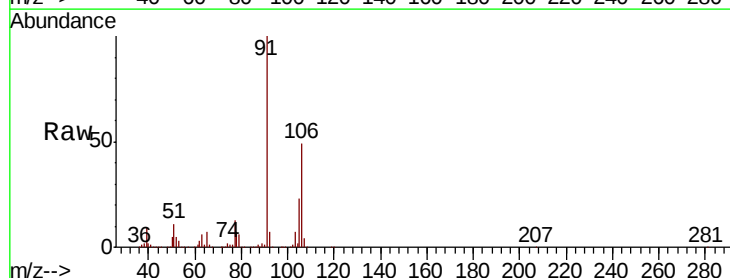
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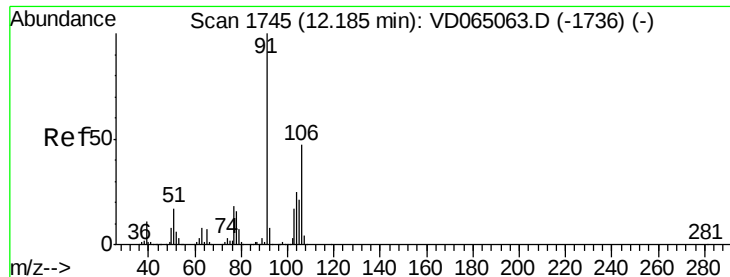
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#68
m/p-Xylenes
Concen: 106.495 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion: 106 Resp: 805468
Ion Ratio Lower Upper
106 100
91 201.5 158.9 238.3





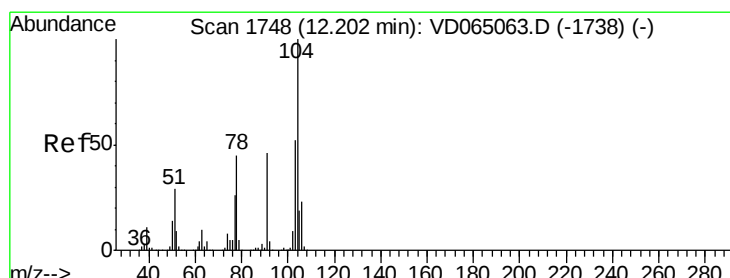
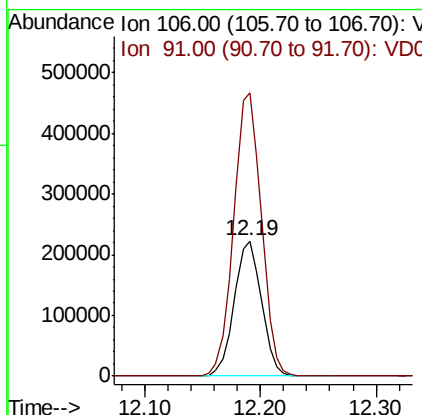
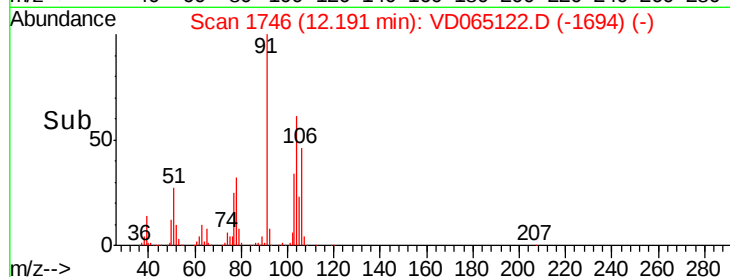
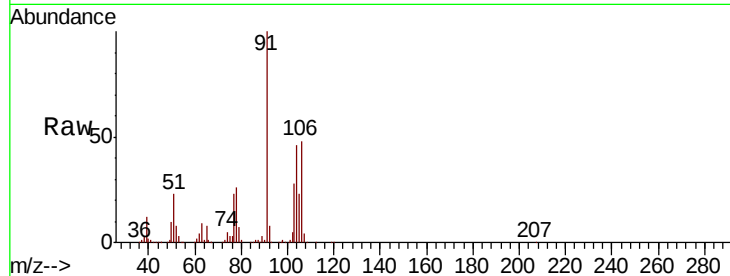
#69
o-Xylene
Concen: 53.311 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 363101
Ion Ratio Lower Upper
106 100
91 214.0 104.7 313.9

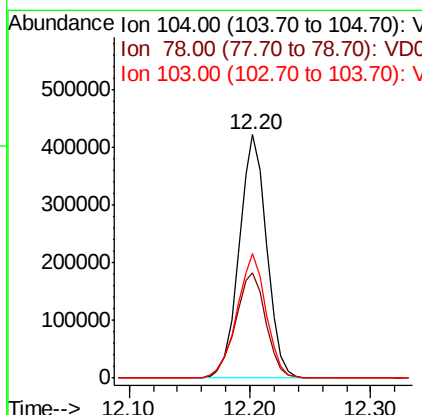
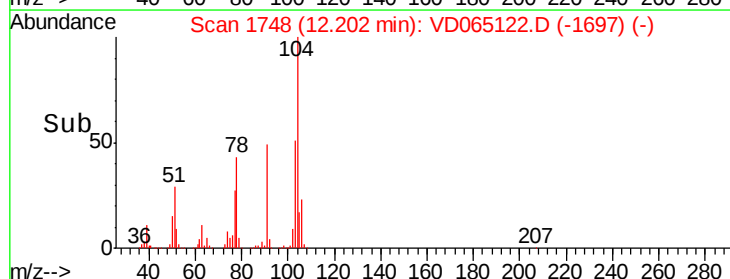
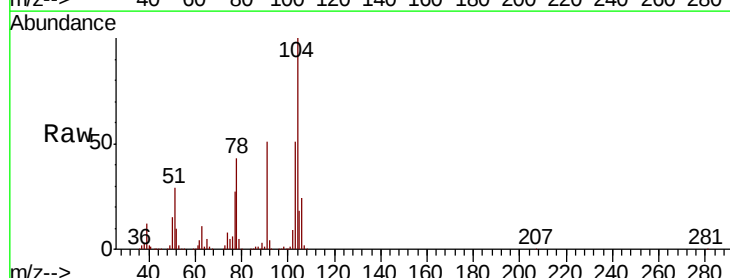
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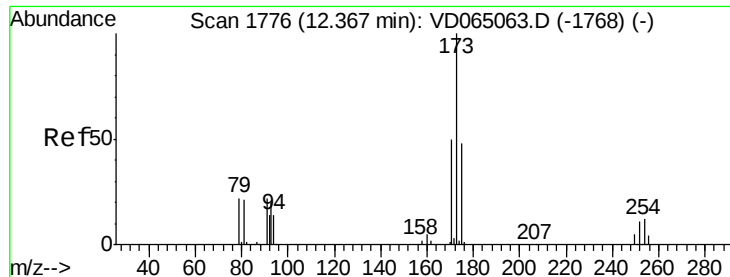
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#70
Styrene
Concen: 56.581 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion:104 Resp: 669783
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 54.2 43.8 65.8





#71

Bromoform

Concen: 56.782 ug/l

RT: 12.37 min Scan# 1777

Delta R.T. 0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

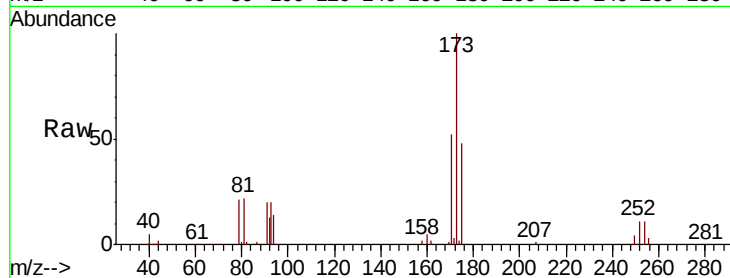
ClientSampleId :

VSTDCCC050EC

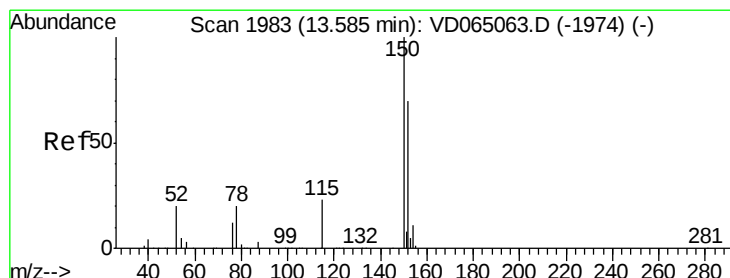
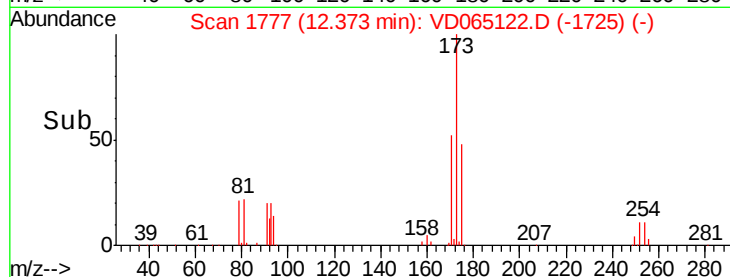
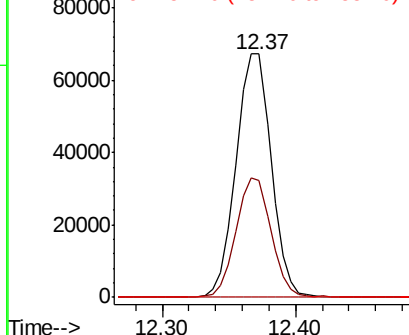
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.1	0.1	0.1

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

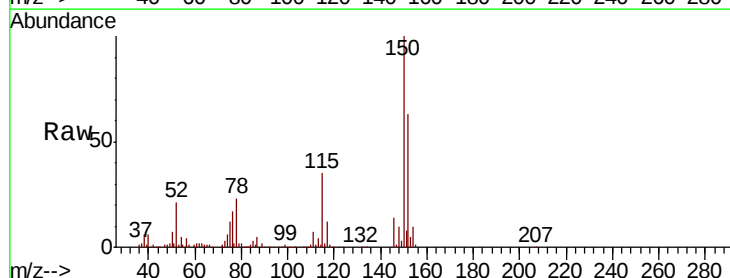
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

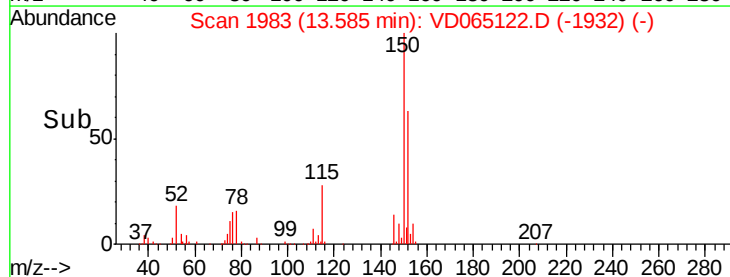
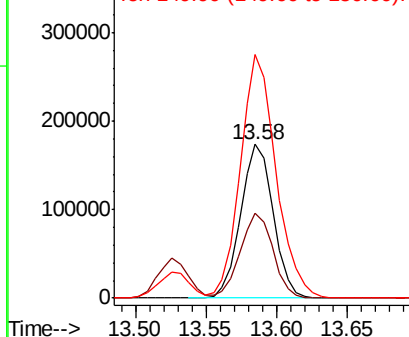
Lab File: VD065122.D

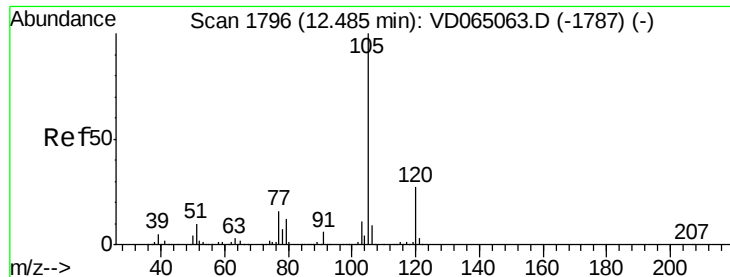
Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.5	82.4
150	173.2	0.0	343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





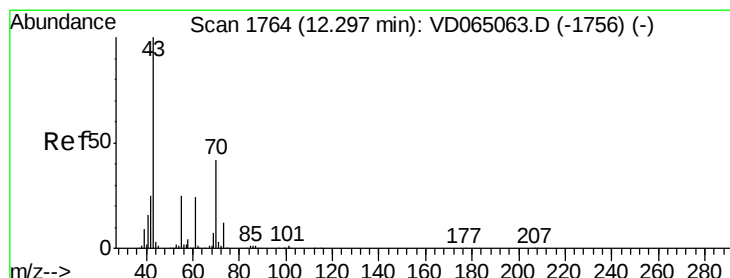
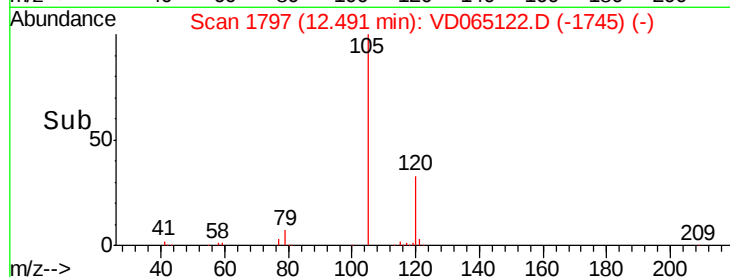
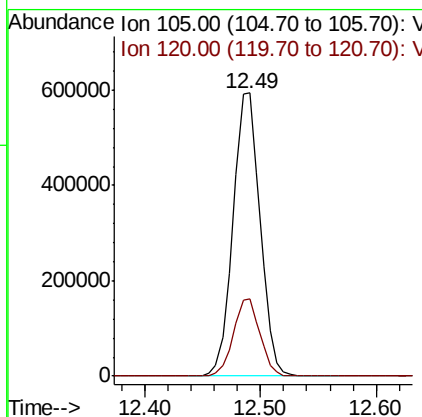
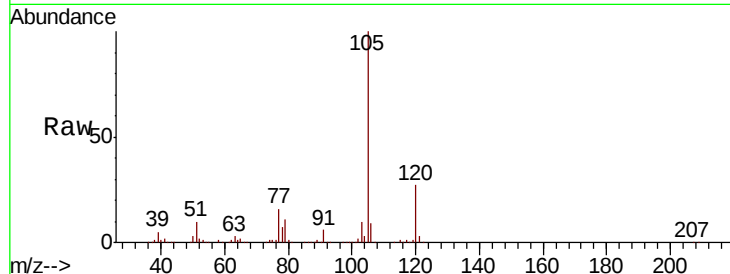
#73
Isopropylbenzene
Concen: 50.175 ug/l
RT: 12.49 min Scan# 1797
Delta R.T. 0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.9

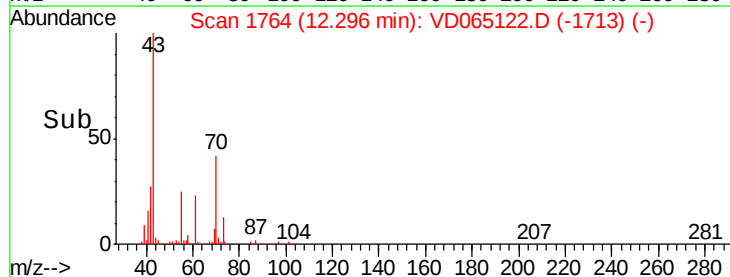
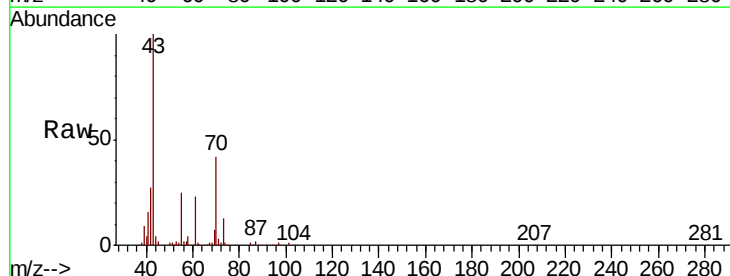
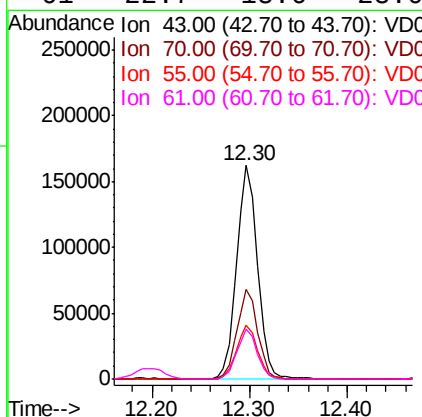
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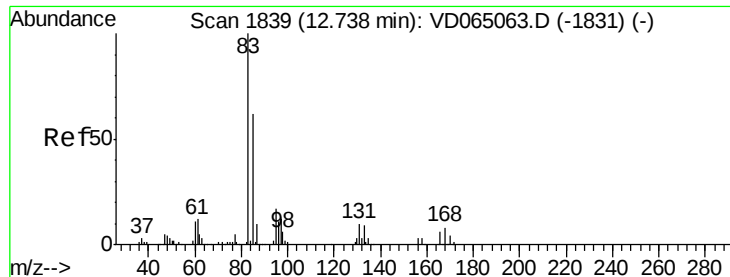
MMDadoda
2/10/2020 5:40:12 PM



#74
N-ethyl acetate
Concen: 57.774 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.3	33.5	50.3
55	25.3	19.4	29.2
61	22.7	18.6	28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.874 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

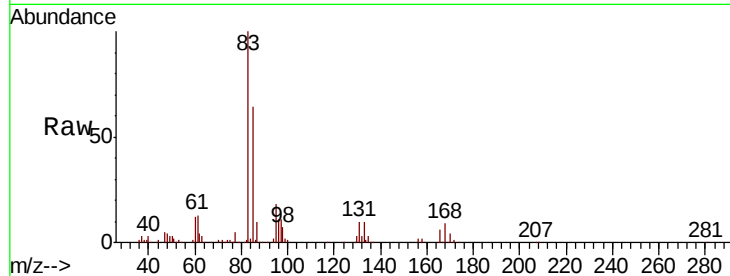
ClientSampleId :

VSTDCCC050EC

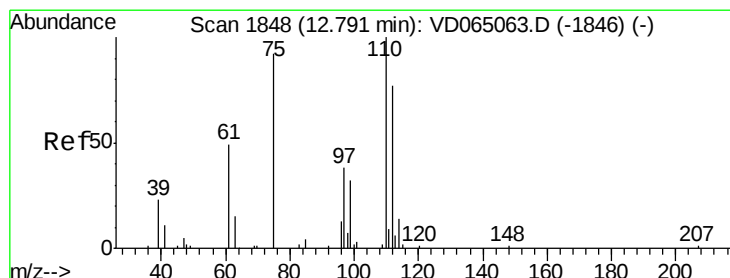
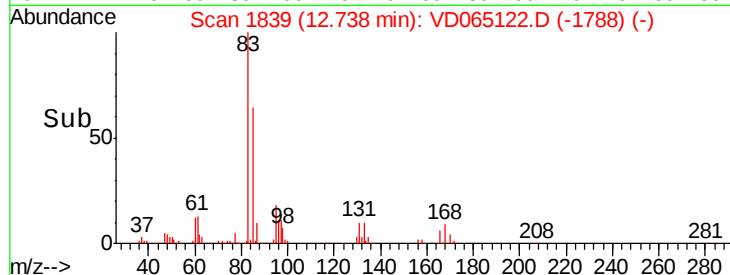
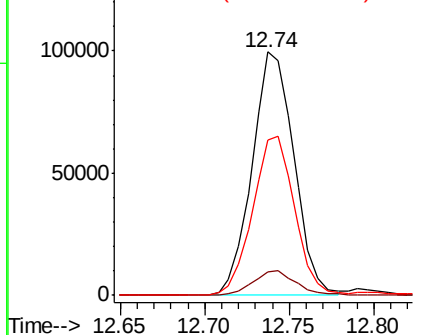
Tot Ion:	83	Resp:	172033
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.5	16.4
85	65.4	31.8	95.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 59.574 ug/l m

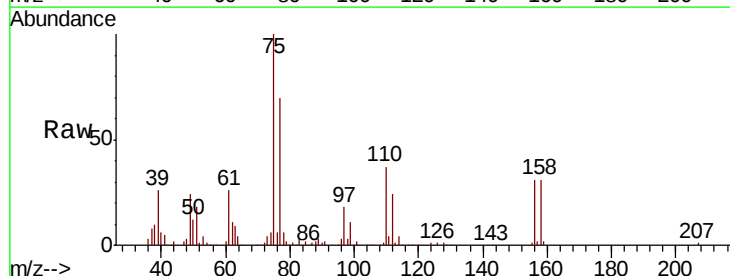
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

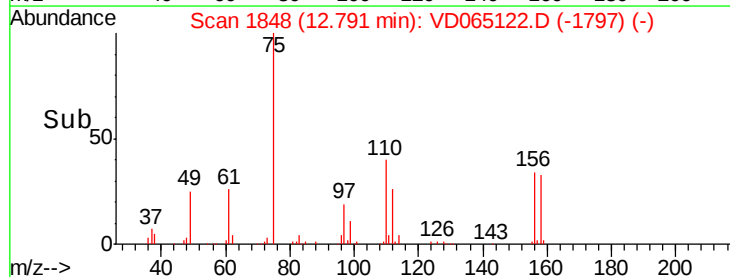
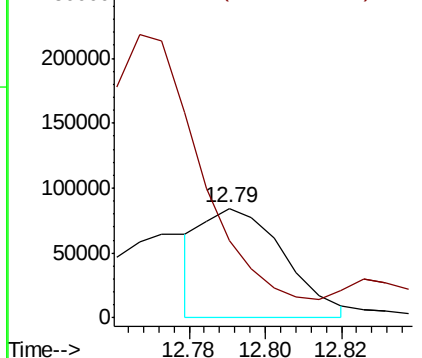
Lab File: VD065122.D

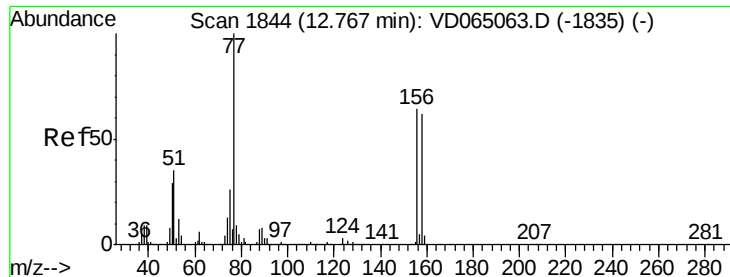
Acq: 07 Feb 2020 21:05

Tgt Ion:	75	Resp:	126297
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.152 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 241495

Ion Ratio Lower Upper

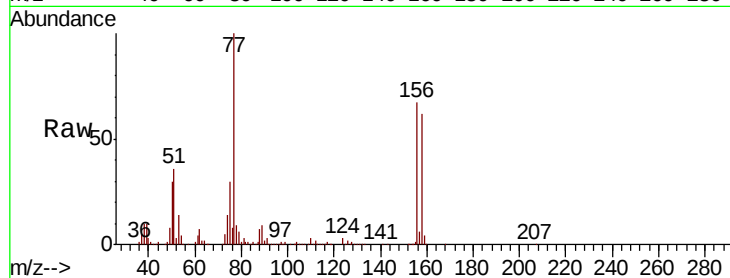
156 100

77 174.1 85.6 256.8

158 95.7 47.4 142.2

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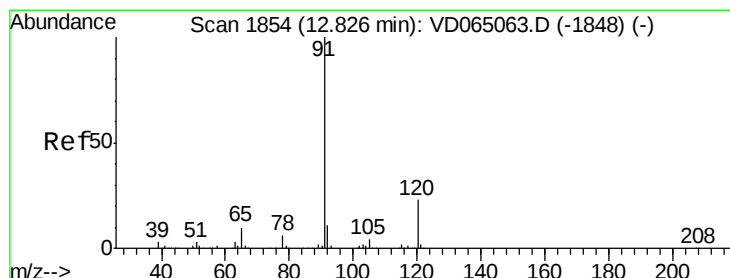
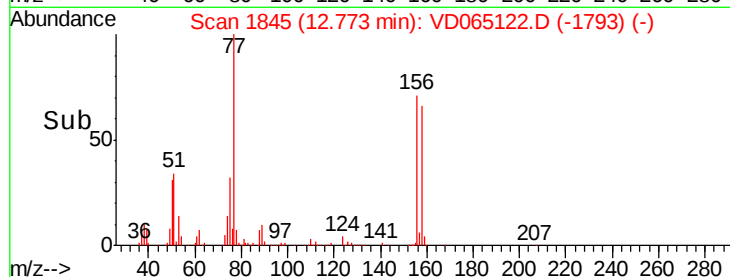
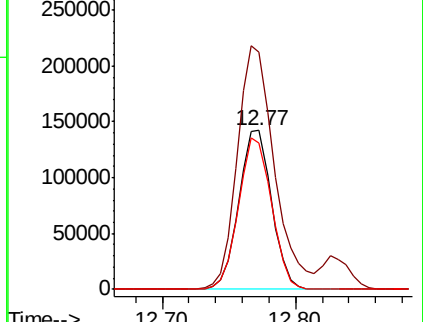
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.834 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065122.D

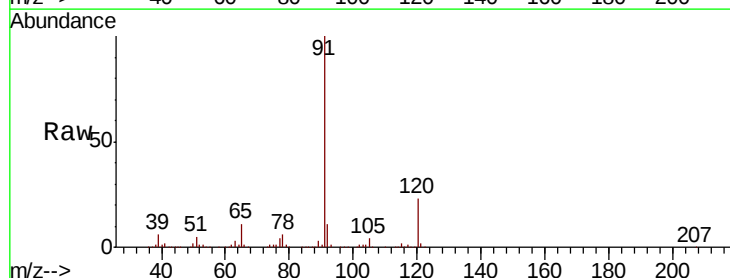
Acq: 07 Feb 2020 21:05

Tgt Ion: 91 Resp: 1144149

Ion Ratio Lower Upper

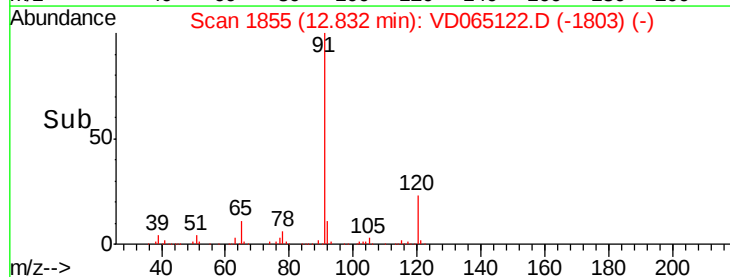
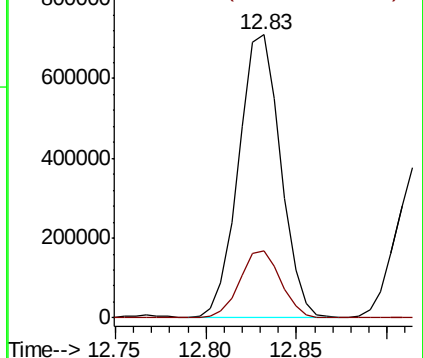
91 100

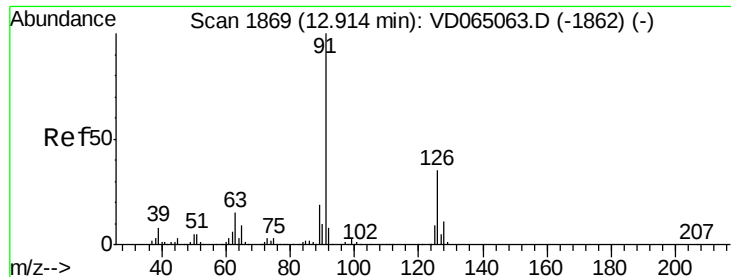
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.965 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 639405

Ion Ratio Lower Upper

91 100

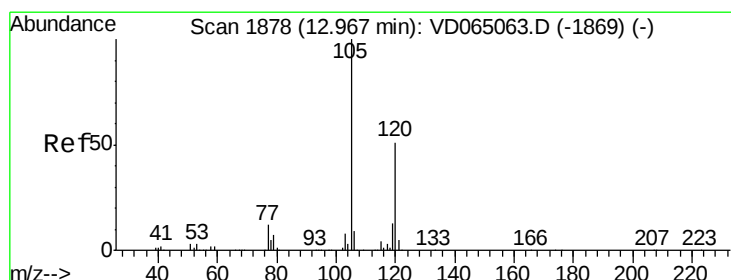
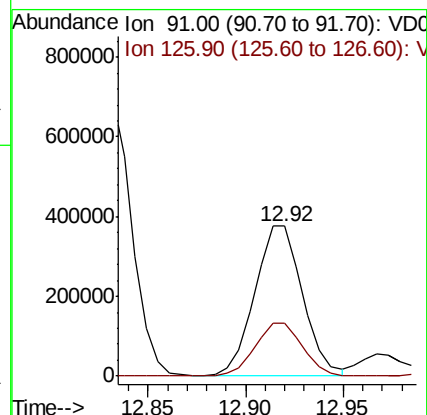
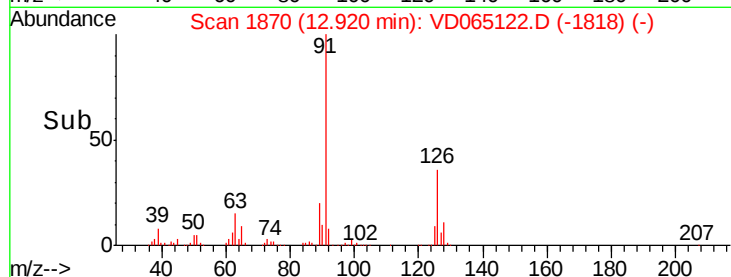
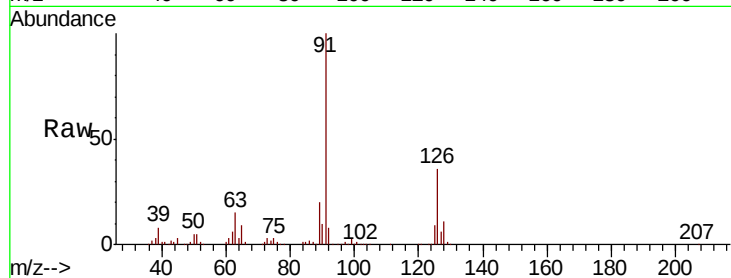
126 35.3 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 51.093 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065122.D

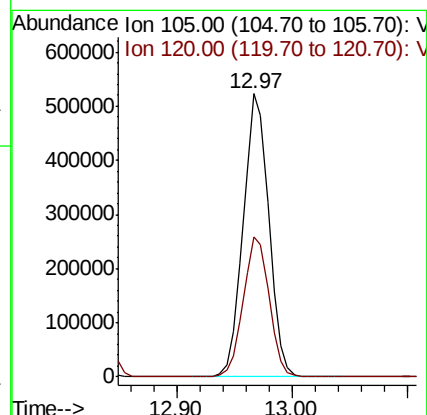
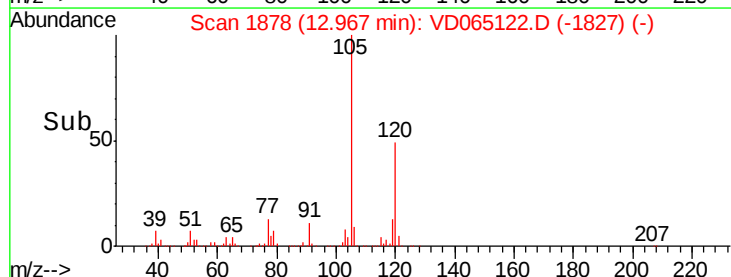
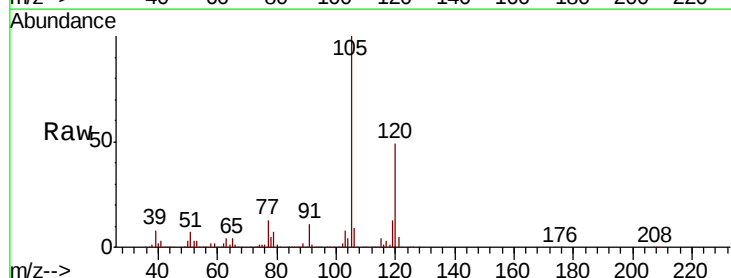
Acq: 07 Feb 2020 21:05

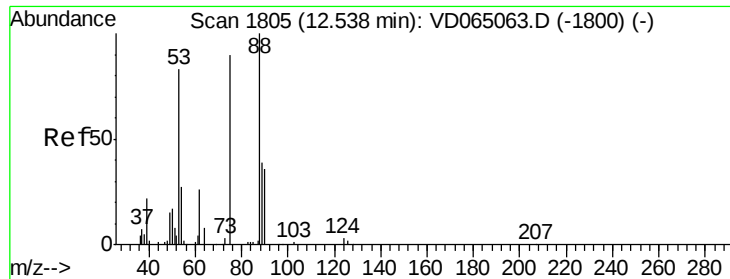
Tgt Ion: 105 Resp: 803352

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.4





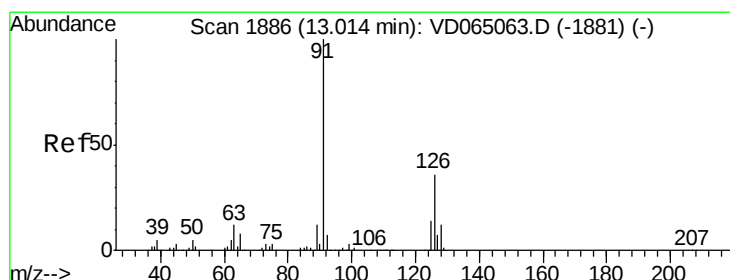
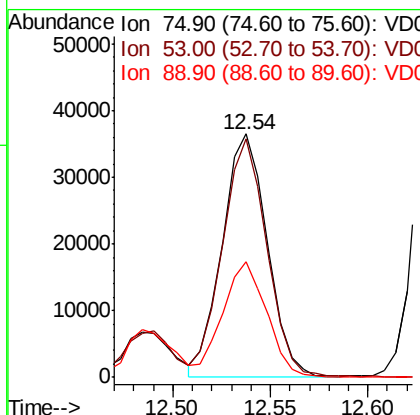
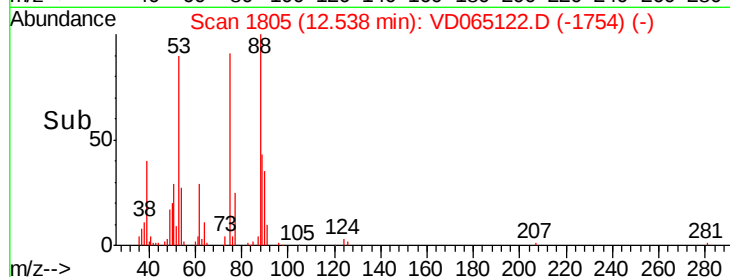
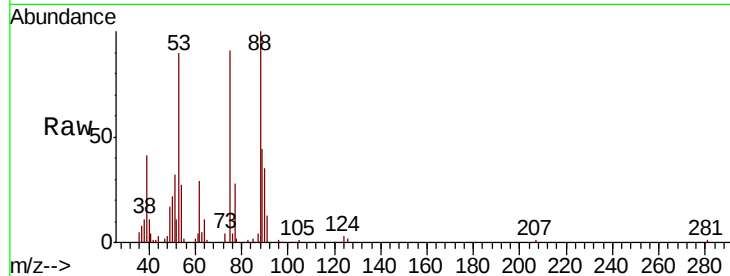
#81
trans-1,4-Dichloro-2-butene
Concen: 55.393 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.3	78.5	117.7
89	46.6	37.0	55.4

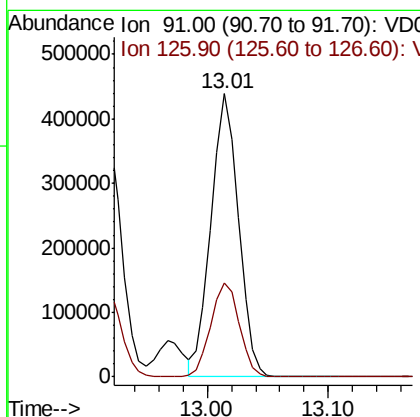
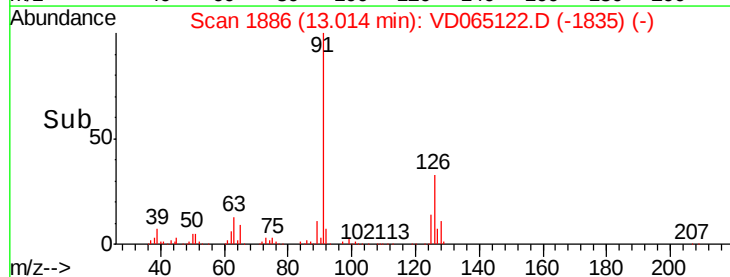
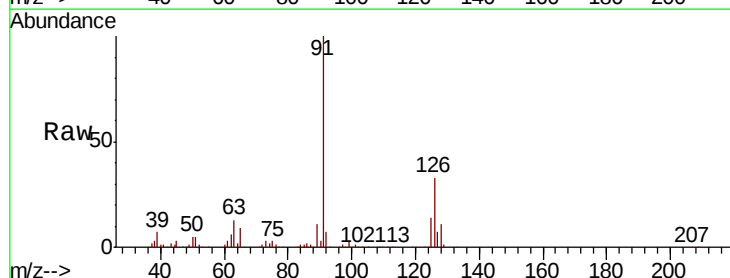
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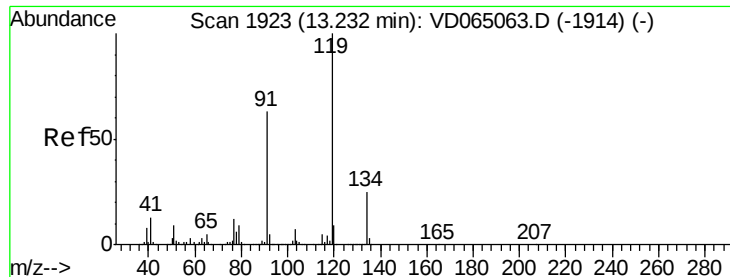
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#82
4-Chlorotoluene
Concen: 52.335 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.5





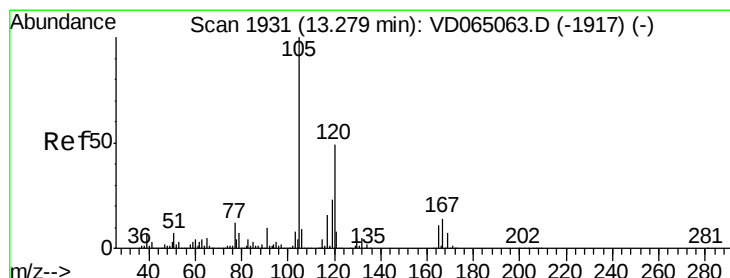
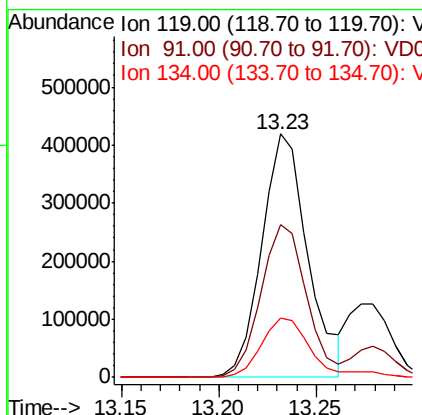
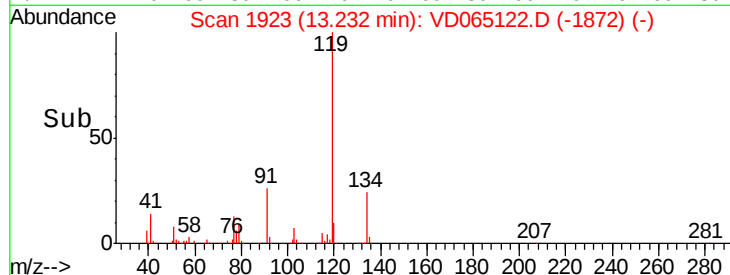
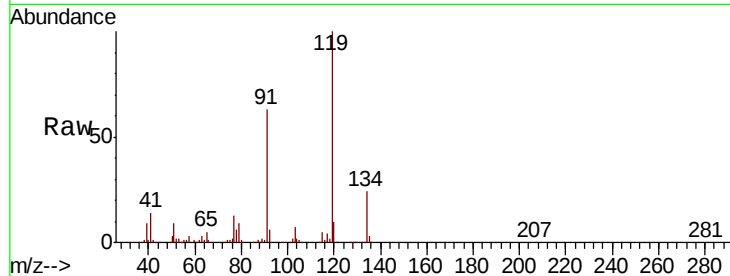
#83
tert-Butylbenzene
Concen: 50.575 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	32.3	96.9
134	26.6	13.8	41.3

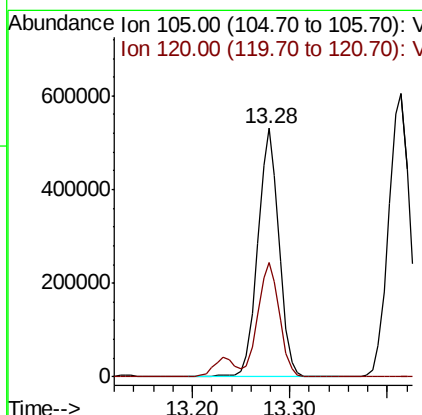
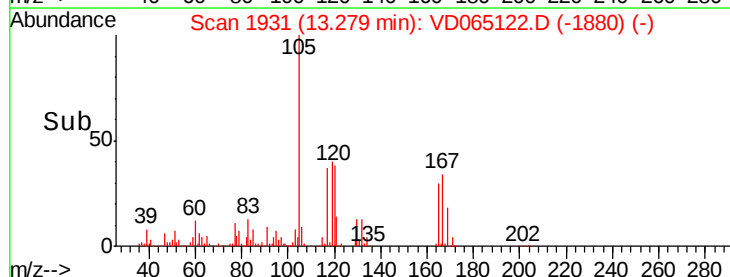
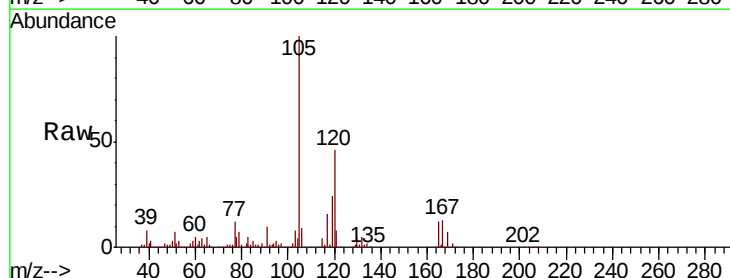
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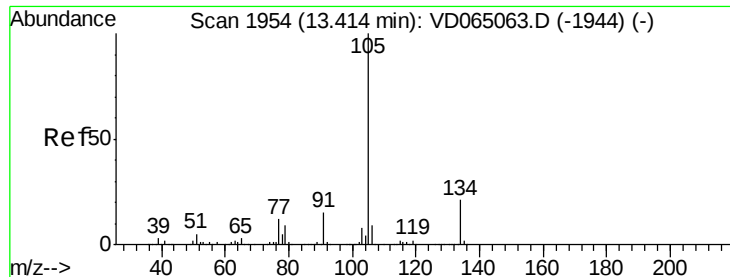
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#84
1,2,4-Trimethylbenzene
Concen: 51.929 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.5	70.5





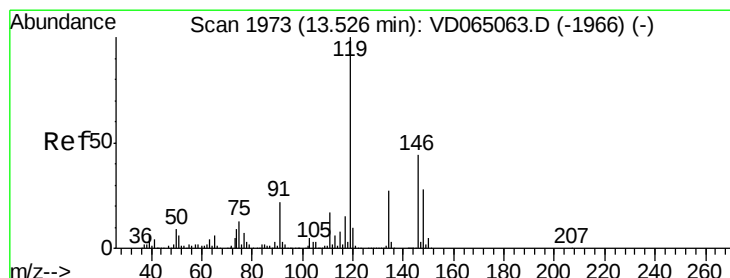
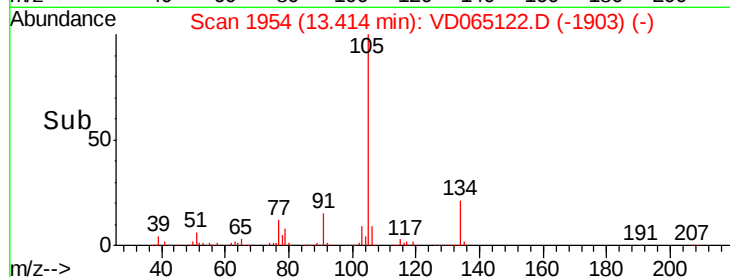
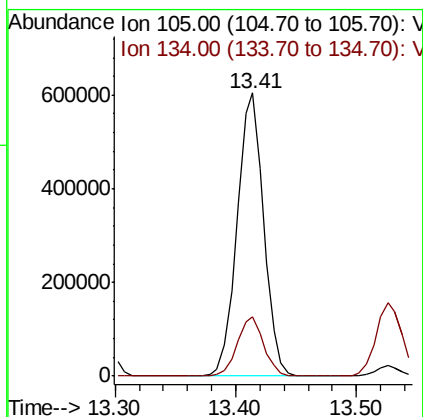
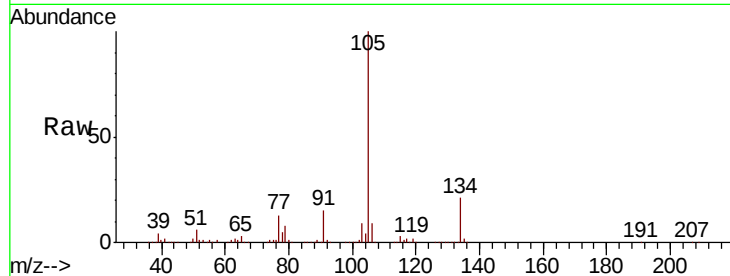
#85
 sec-Butylbenzene
 Concen: 49.991 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.4	31.1

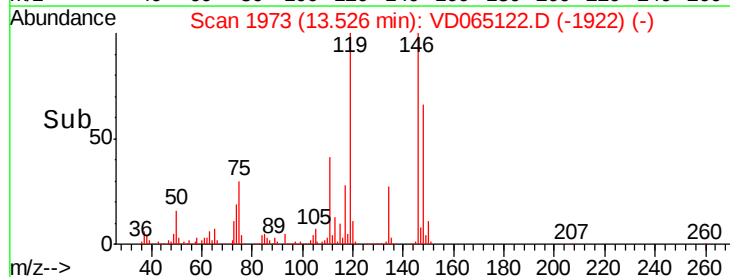
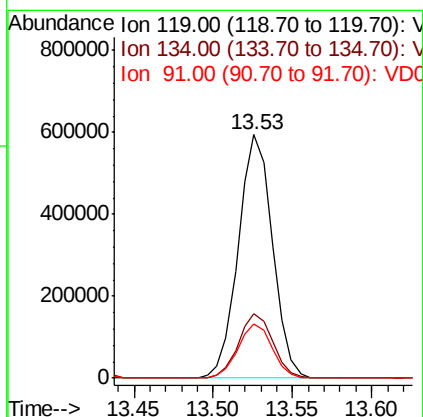
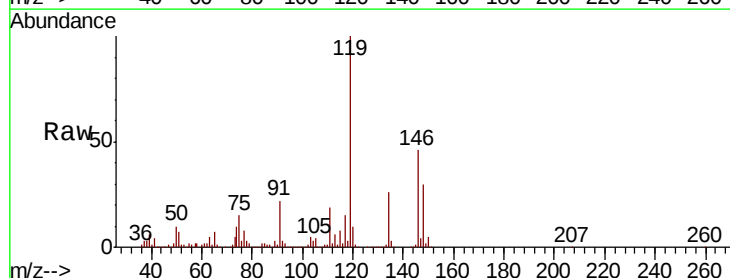
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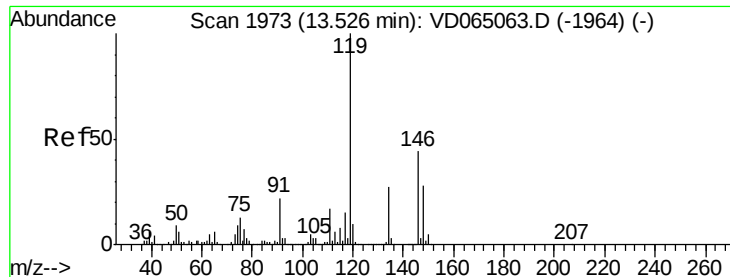
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#86
 p-Isopropyltoluene
 Concen: 51.531 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.5
91	22.3	11.3	33.9





#87

1,3-Dichlorobenzene

Concen: 52.691 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Instrument :

MSVOA_D

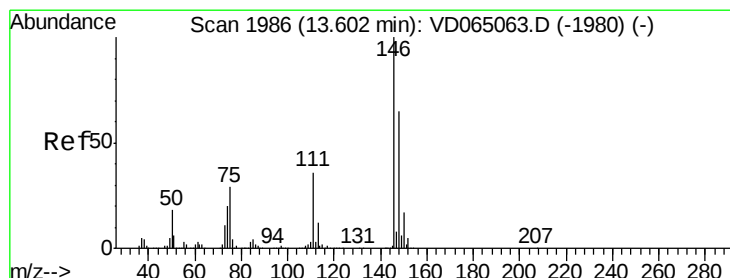
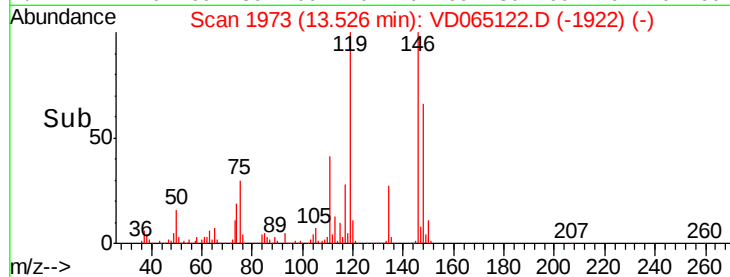
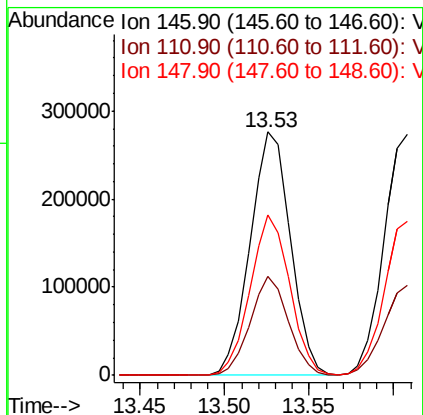
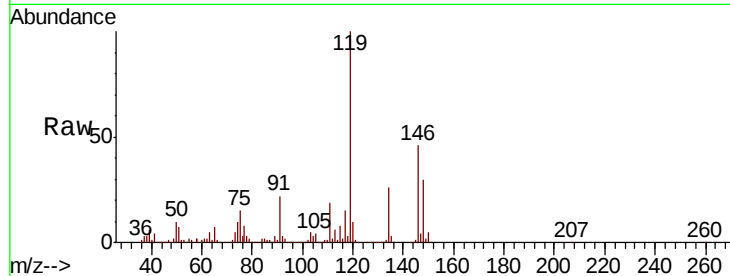
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	456825
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.4	58.4
148	64.6	32.3	96.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.050 ug/l

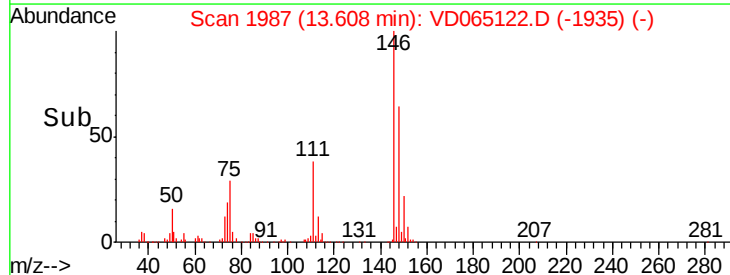
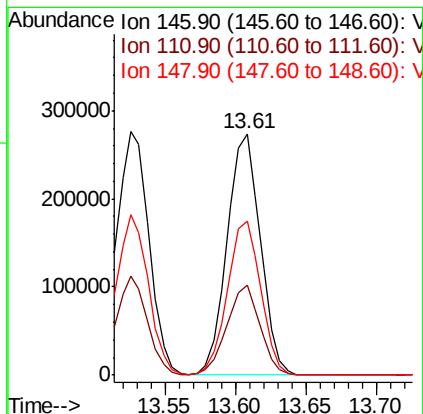
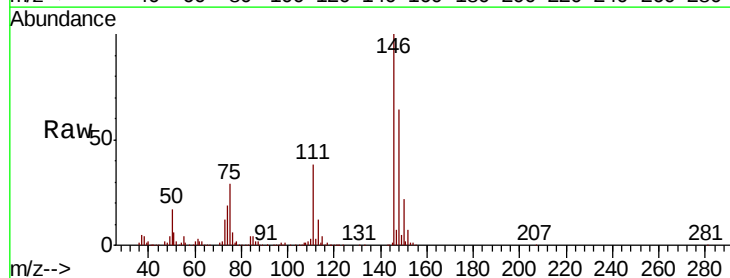
RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065122.D

Acq: 07 Feb 2020 21:05

Tgt Ion:	146	Resp:	449138
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.5	55.5
148	64.1	32.7	98.1





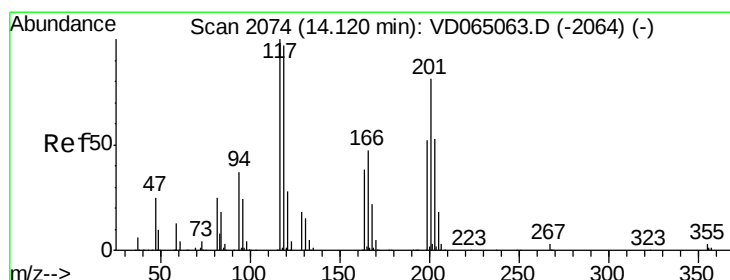
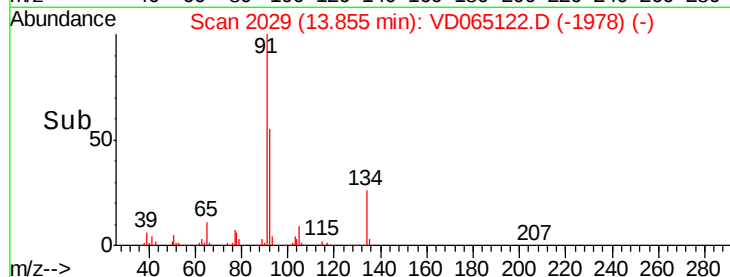
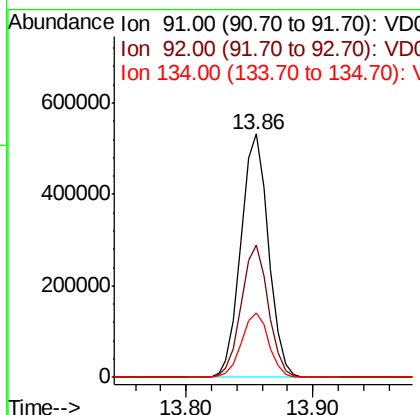
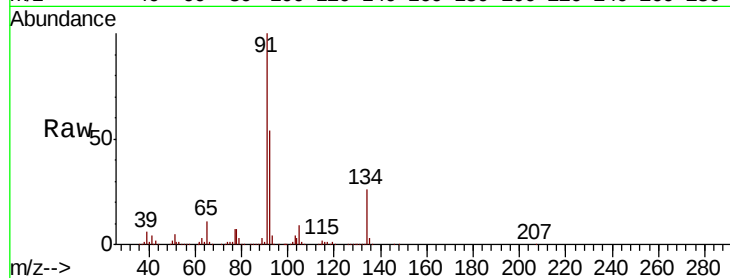
#89
n-Butylbenzene
Concen: 50.486 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

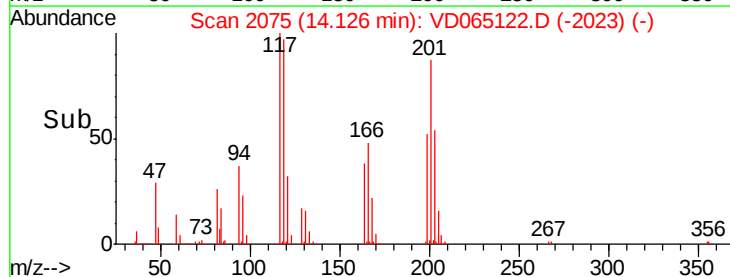
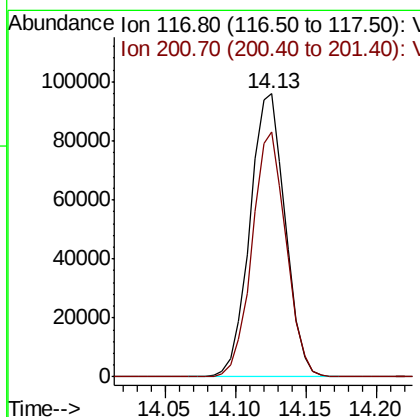
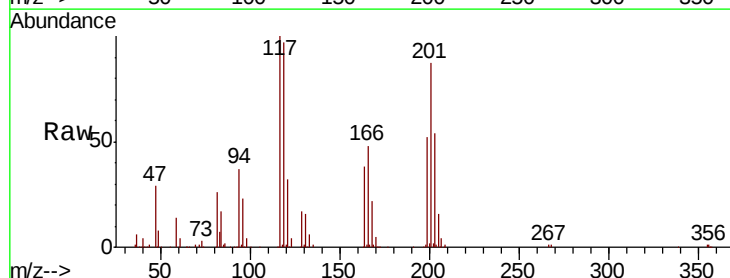
Manual Integrations
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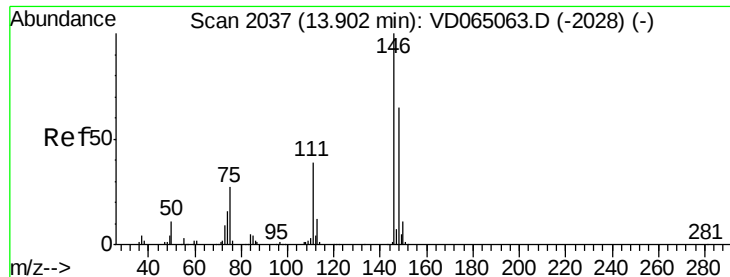
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#90
Hexachloroethane
Concen: 51.593 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	42.5	127.6





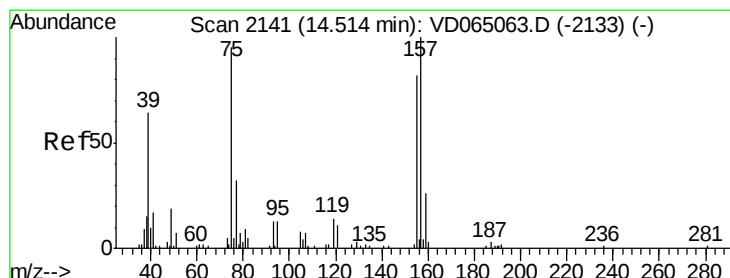
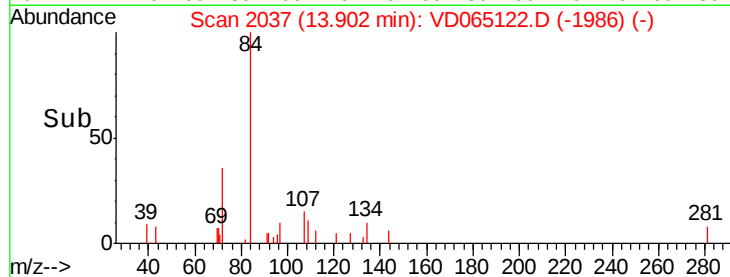
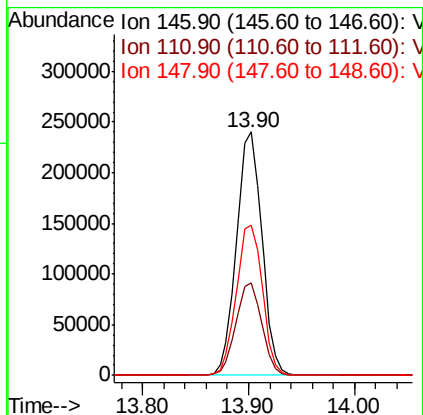
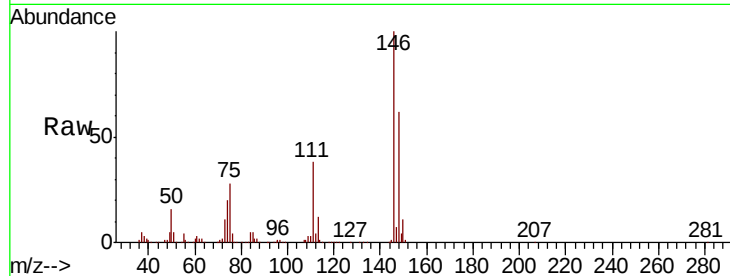
#91
 1,2-Dichlorobenzene
 Concen: 53.698 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	63.2	31.9	95.5

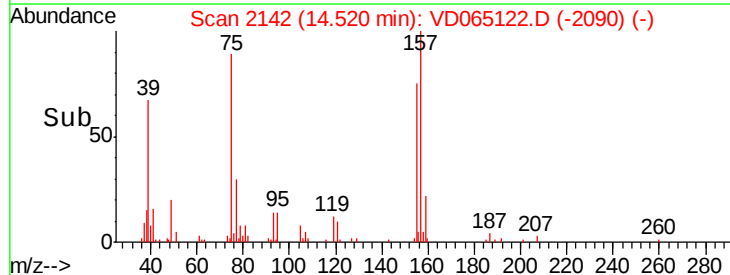
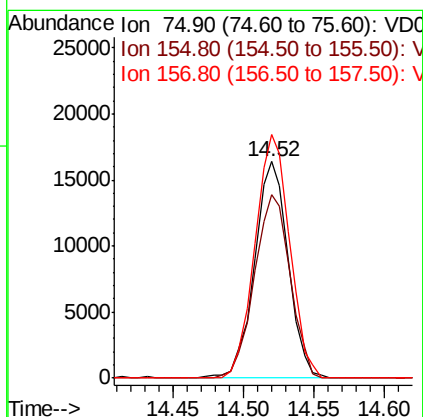
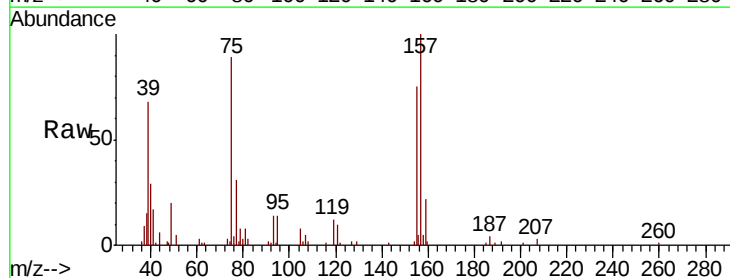
Manual Integrations
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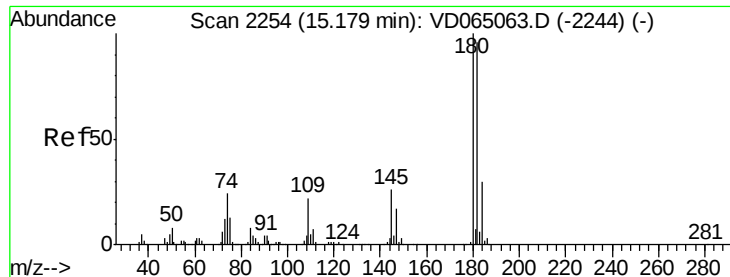
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.507 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	43.4	130.1
157	115.8	55.8	167.3





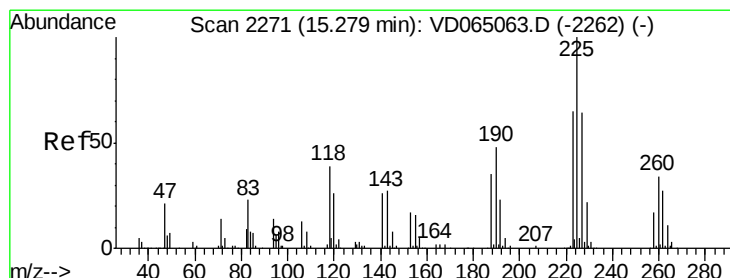
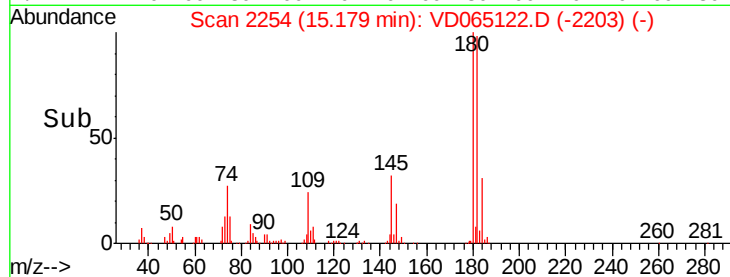
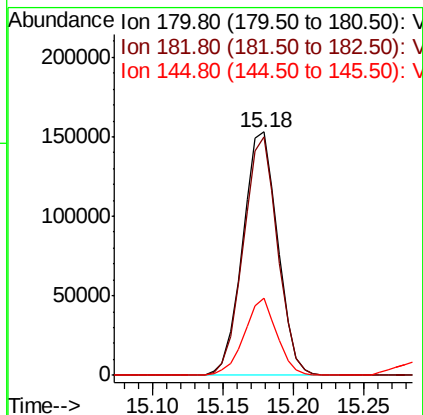
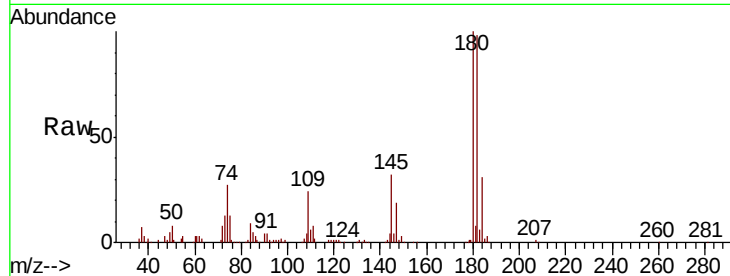
#93
 1,2,4-Trichlorobenzene
 Concen: 50.153 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	266194
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.4	142.3
145	29.4	14.1	42.4

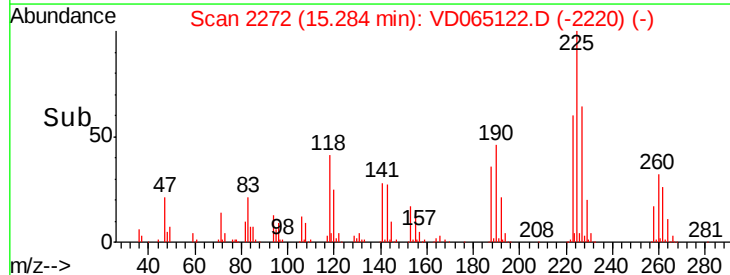
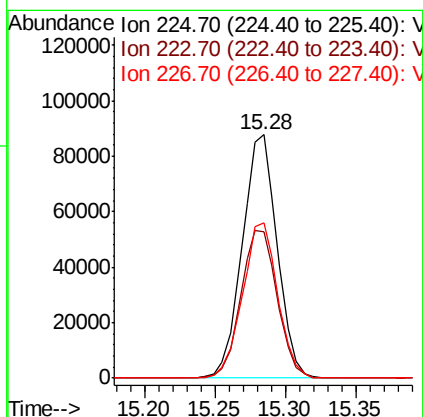
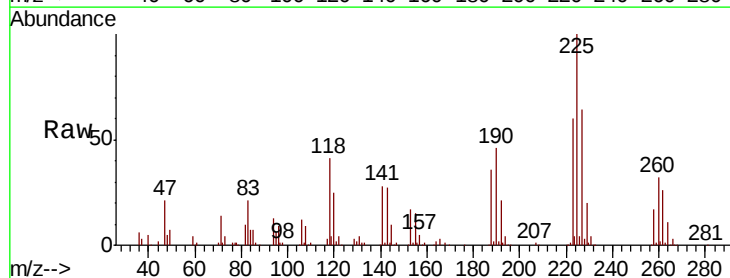
Manual Integrations
 APPROVED

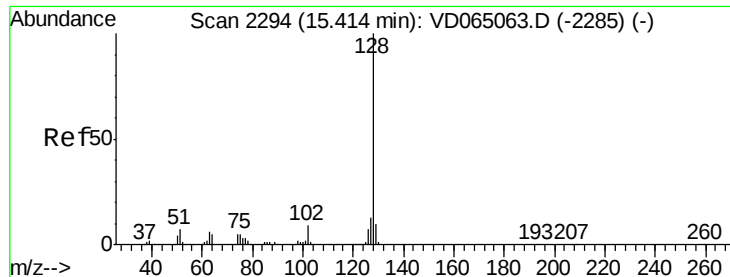
MMDadoda
 2/10/2020 5:40:12 PM



#94
 Hexachlorobutadiene
 Concen: 46.492 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065122.D
 Acq: 07 Feb 2020 21:05

Tgt Ion:	225	Resp:	151727
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.4	94.0
227	64.6	31.8	95.3





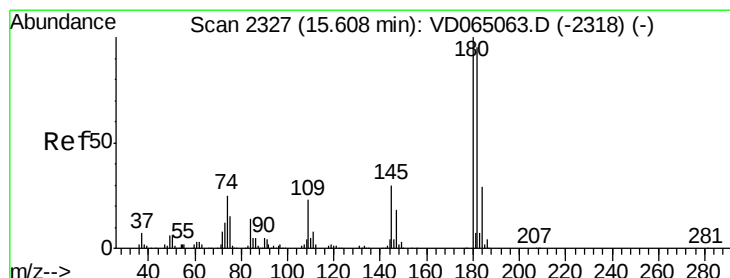
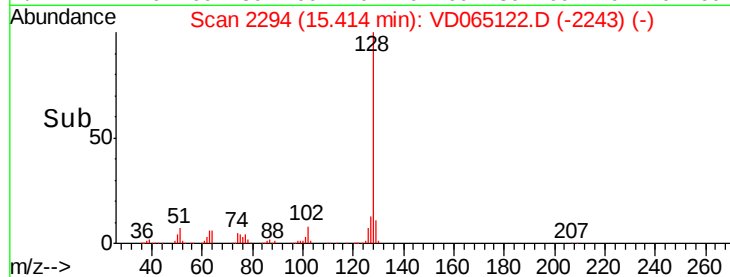
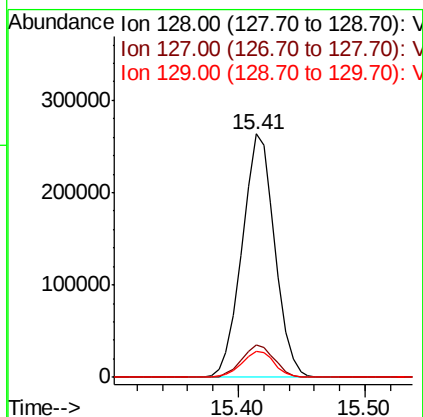
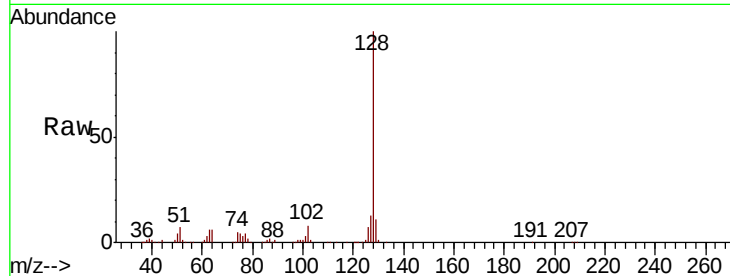
#95
Naphthalene
Concen: 53.393 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/10/2020 5:40:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.151 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065122.D
Acq: 07 Feb 2020 21:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.4
145	30.1	14.9	44.9

