

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065105.D
 Acq On : 07 Feb 2020 12:57
 Operator : VA/SY
 Sample : VD0207SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Manual Integrations
 APPROVED

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 2/10/2020 5:40:05 PM

Quant Time: Feb 08 00:19:09 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	426004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	647939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	585764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	212252	58.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.24%	
35) Dibromofluoromethane	7.92	113	206398	57.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.18%	
50) Toluene-d8	10.34	98	826569	57.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.88%	
62) 4-Bromofluorobenzene	12.64	95	255919	56.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77310	21.808	ug/l	98
3) Chloromethane	2.21	50	102085	24.463	ug/l	99
4) Vinyl Chloride	2.35	62	105706	23.951	ug/l	97
5) Bromomethane	2.76	94	67479	23.581	ug/l	93
6) Chloroethane	2.92	64	67756	24.750	ug/l	96
7) Trichlorofluoromethane	3.27	101	154422	24.043	ug/l	96
8) Diethyl Ether	3.71	74	40854	22.157	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	88930	22.649	ug/l	98
10) Methyl Iodide	4.30	142	89010	19.861	ug/l	98
11) Tert butyl alcohol	5.25	59	23467	106.081	ug/l	99
12) 1,1-Dichloroethene	4.06	96	82926	22.052	ug/l	99
13) Acrolein	3.92	56	26165	96.162	ug/l	99
14) Allyl chloride	4.71	41	135669	21.708	ug/l	97
15) Acrylonitrile	5.43	53	91745	113.813	ug/l	100
16) Acetone	4.17	43	90249	99.697	ug/l	99
17) Carbon Disulfide	4.40	76	276186	22.875	ug/l	97
18) Methyl Acetate	4.73	43	45504	24.060	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	180568	21.715	ug/l	99
20) Methylene Chloride	4.96	84	101649	23.407	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	97046	22.810	ug/l	97
22) Diisopropyl ether	6.37	45	273507	23.201	ug/l	96
23) Vinyl Acetate	6.31	43	739881	112.603	ug/l	97
24) 1,1-Dichloroethane	6.27	63	165576	23.205	ug/l	98
25) 2-Butanone	7.22	43	120398	111.500	ug/l	96
26) 2,2-Dichloropropane	7.21	77	146040	22.834	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	100672	22.273	ug/l	98
28) Bromochloromethane	7.55	49	59208	21.890	ug/l	98
29) Tetrahydrofuran	7.57	42	74977	114.820	ug/l	99
30) Chloroform	7.71	83	167234	23.538	ug/l	95
31) Cyclohexane	7.98	56	155814	21.633	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	149312	22.561	ug/l	98
36) 1,1-Dichloropropene	8.11	75	132819	22.045	ug/l	98
37) Ethyl Acetate	7.30	43	56530	22.967	ug/l	99
38) Carbon Tetrachloride	8.10	117	137125	22.285	ug/l	96

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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	154653	20.796	ug/l	97
40) Benzene	8.36	78	369867	22.231	ug/l	100
41) Methacrylonitrile	7.53	41	33015	24.347	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	106404	22.445	ug/l	98
43) Isopropyl Acetate	8.46	43	102994	21.874	ug/l	100
44) Trichloroethene	9.11	130	102611	21.487	ug/l	99
45) 1,2-Dichloropropane	9.39	63	90223	22.618	ug/l	91
46) Dibromomethane	9.48	93	48112	22.953	ug/l	96
47) Bromodichloromethane	9.67	83	128742	23.310	ug/l	98
48) Methyl methacrylate	9.46	41	48734	21.510	ug/l	99
49) 1,4-Dioxane	9.47	88	11168	449.829	ug/l #	91
51) 4-Methyl-2-Pentanone	10.24	43	257856	111.262	ug/l	99
52) Toluene	10.41	92	236091	22.233	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	118177	21.976	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	141479	21.998	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	65224	22.685	ug/l	91
56) Ethyl methacrylate	10.67	69	77200	21.221	ug/l	95
57) 1,3-Dichloropropane	10.96	76	114656	22.678	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	120223	90.129	ug/l	100
59) 2-Hexanone	10.99	43	178814	108.928	ug/l	100
60) Dibromochloromethane	11.15	129	85386	22.928	ug/l	97
61) 1,2-Dibromoethane	11.25	107	62052	22.088	ug/l	98
64) Tetrachloroethene	10.88	164	87813	20.863	ug/l	98
65) Chlorobenzene	11.68	112	249728	22.042	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	90843	21.725	ug/l	96
67) Ethyl Benzene	11.75	91	444237	21.582	ug/l	94
68) m/p-Xylenes	11.86	106	336438	42.824	ug/l	98
69) o-Xylene	12.19	106	150725	21.305	ug/l	98
70) Styrene	12.20	104	265530	21.595	ug/l	99
71) Bromoform	12.37	173	49453	21.972	ug/l #	97
73) Isopropylbenzene	12.49	105	410548	21.018	ug/l	100
74) N-amyl acetate	12.30	43	91139	21.466	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70623	22.973	ug/l	99
76) 1,2,3-Trichloropropane	12.80	75	50727m	23.543	ug/l	
77) Bromobenzene	12.77	156	99601	21.164	ug/l	98
78) n-propylbenzene	12.83	91	503491	22.010	ug/l	98
79) 2-Chlorotoluene	12.92	91	273859	21.478	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	346830	21.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22360	20.754	ug/l	95
82) 4-Chlorotoluene	13.01	91	290983	21.729	ug/l	100
83) tert-Butylbenzene	13.23	119	286771	20.801	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	345464	21.775	ug/l	99
85) sec-Butylbenzene	13.41	105	403595	21.434	ug/l	99
86) p-Isopropyltoluene	13.53	119	372488	21.291	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	191429	21.725	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	189987	21.663	ug/l	98
89) n-Butylbenzene	13.85	91	344839	21.355	ug/l	100
90) Hexachloroethane	14.12	117	72766	21.965	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	162404	21.518	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.53	75	11188	22.294	ug/l	95

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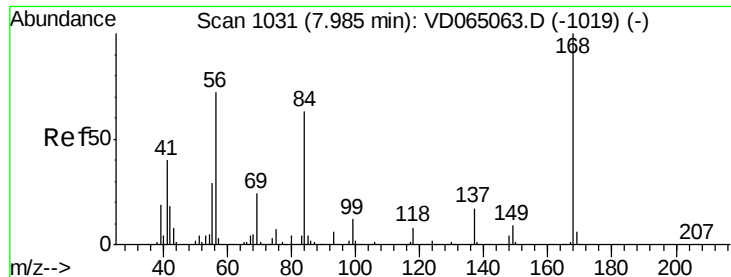
Manual Integrations
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2/10/2020 5:40:05 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
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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	111142	20.604	ug/l	99
94) Hexachlorobutadiene	15.28	225	70274	21.187	ug/l	100
95) Naphthalene	15.42	128	173443	19.345	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	96021	20.810	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion:168 Resp: 426004

Ion Ratio Lower Upper

168 100

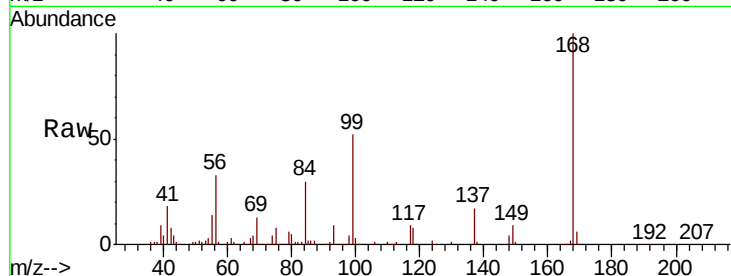
99 51.7 41.0 61.6

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

200000

150000

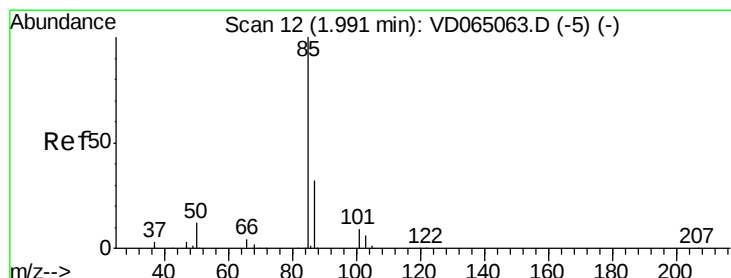
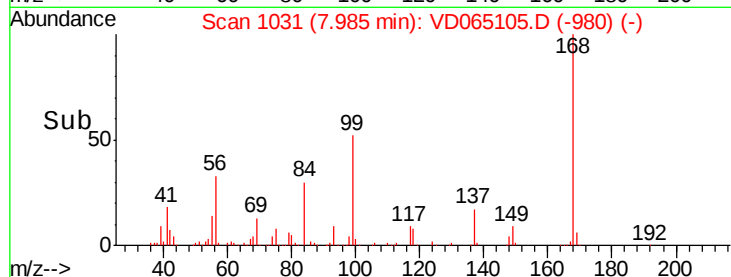
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.808 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065105.D

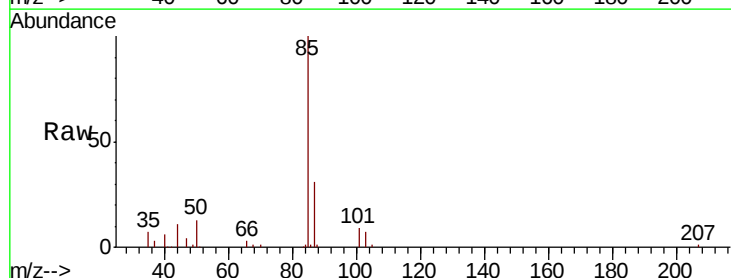
Acq: 07 Feb 2020 12:57

Tgt Ion: 85 Resp: 77310

Ion Ratio Lower Upper

85 100

87 30.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

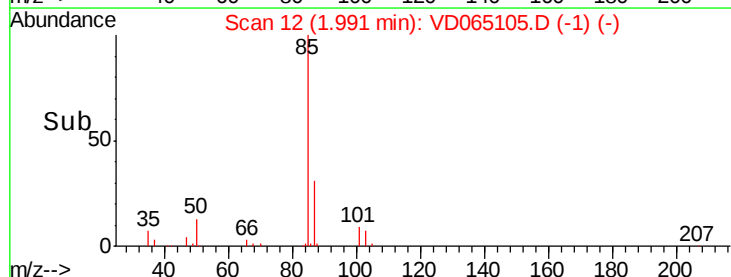
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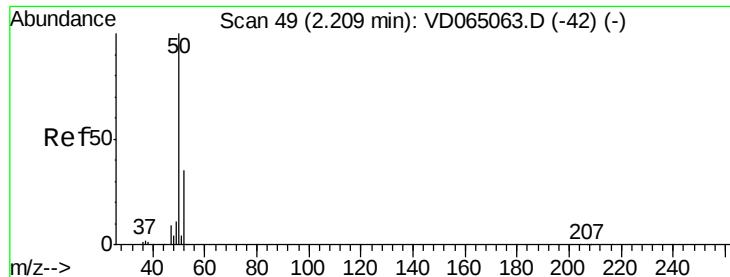
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 24.463 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBSD01

Tot Ion: 50 Resp: 102085

Ion Ratio Lower Upper

50 100

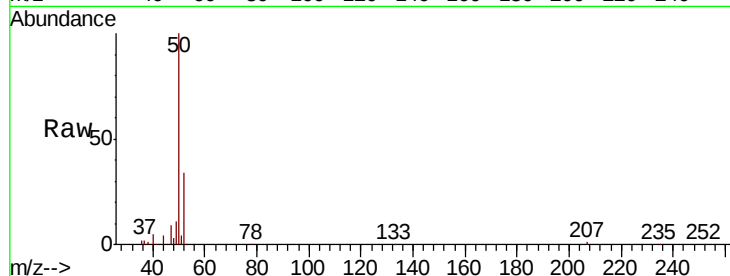
52 34.0 27.8 41.6

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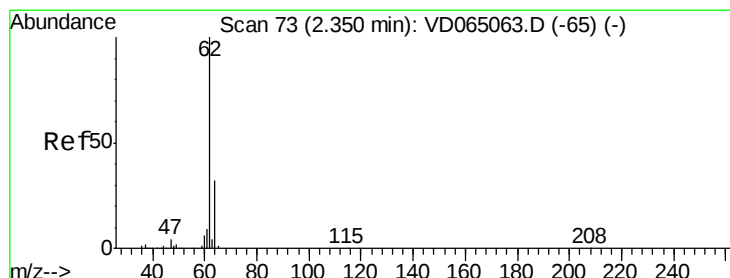
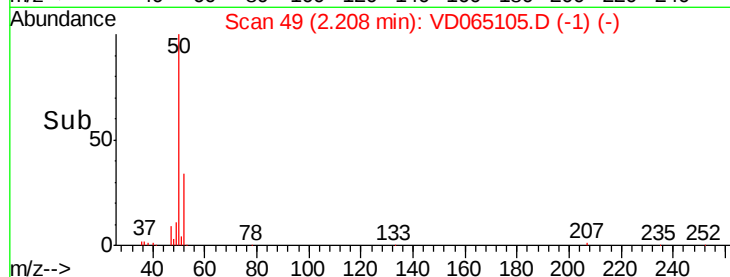
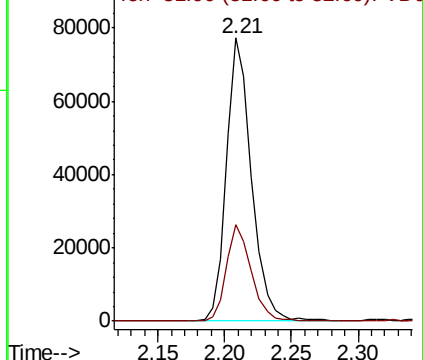
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.951 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065105.D

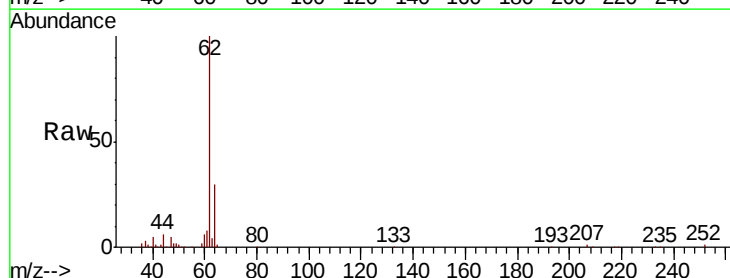
Acq: 07 Feb 2020 12:57

Tgt Ion: 62 Resp: 105706

Ion Ratio Lower Upper

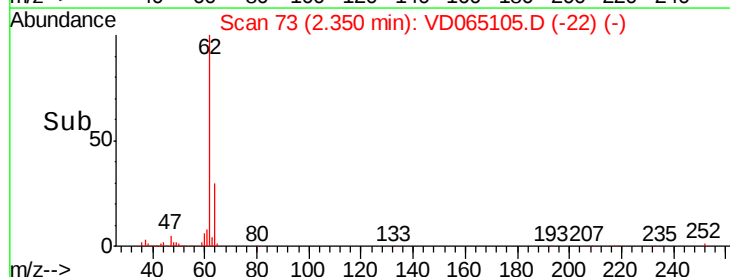
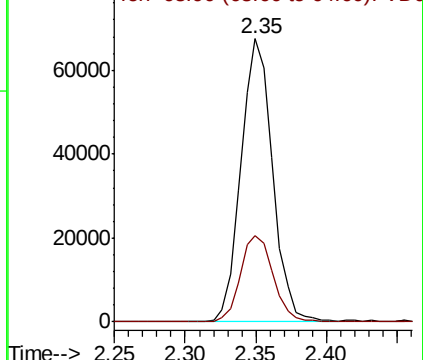
62 100

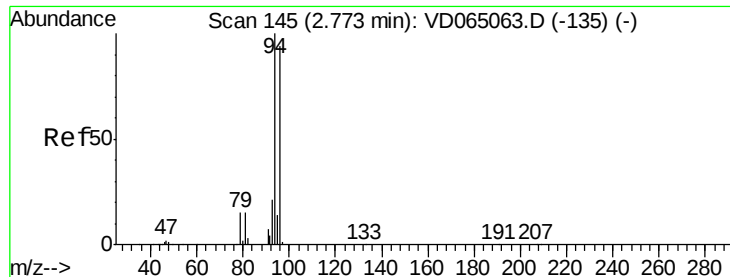
64 30.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 23.581 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 94 Resp: 67479

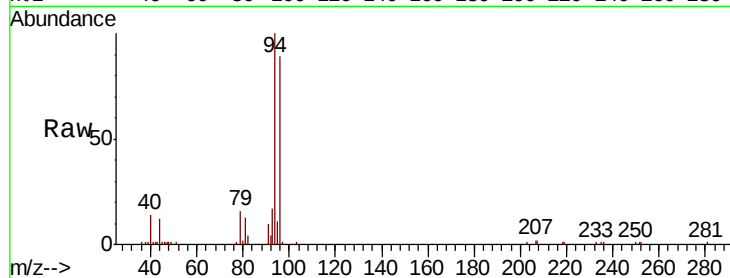
Ion Ratio Lower Upper

94 100

96 87.4 75.4 113.0

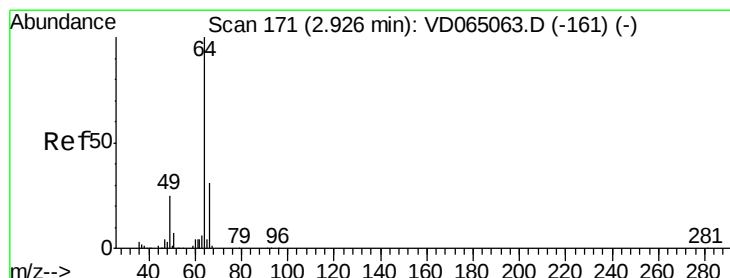
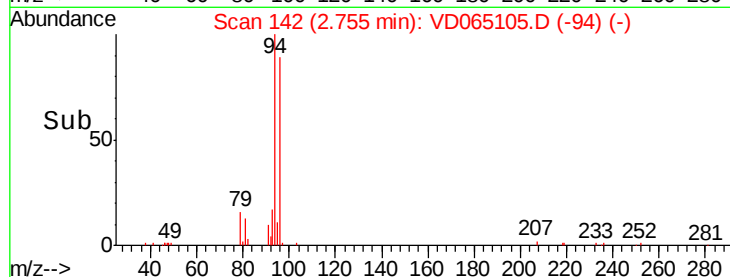
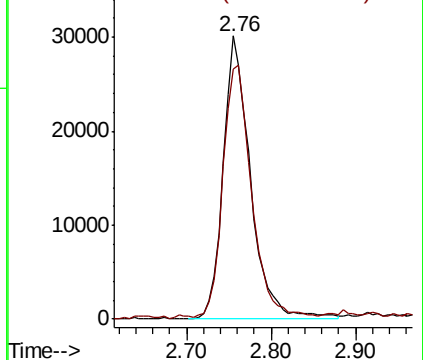
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.750 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065105.D

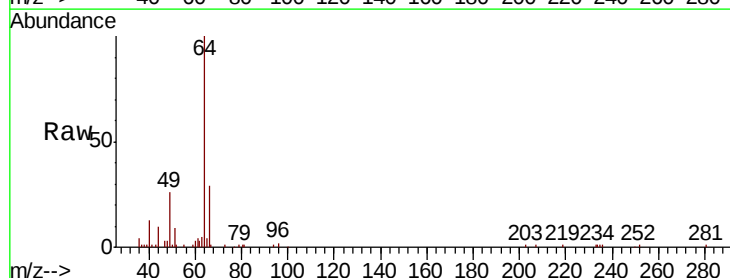
Acq: 07 Feb 2020 12:57

Tgt Ion: 64 Resp: 67756

Ion Ratio Lower Upper

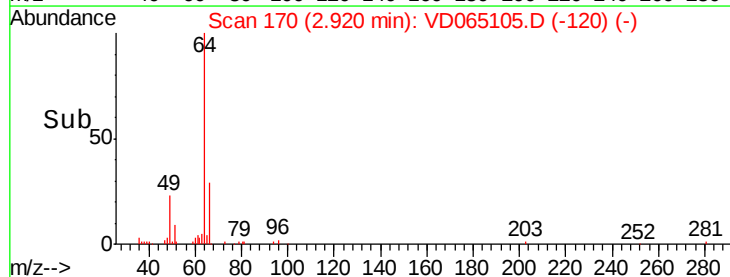
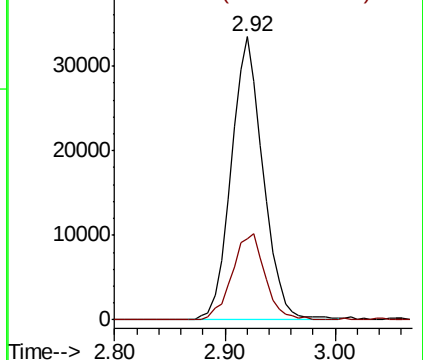
64 100

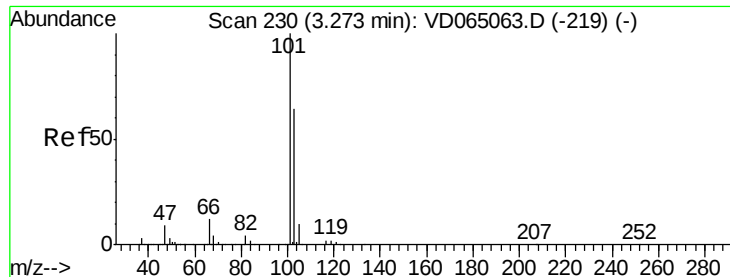
66 28.6 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

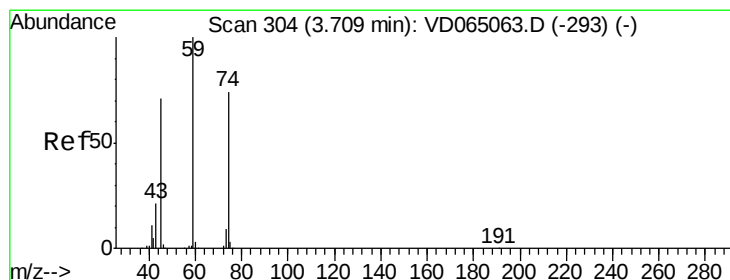
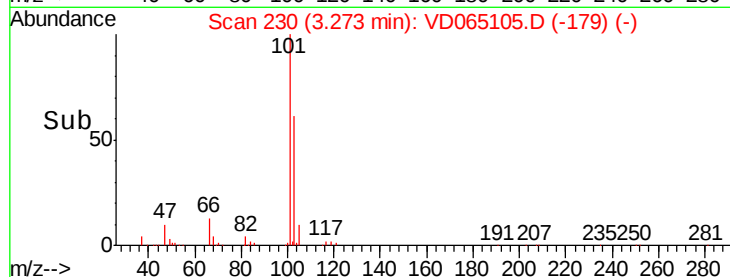
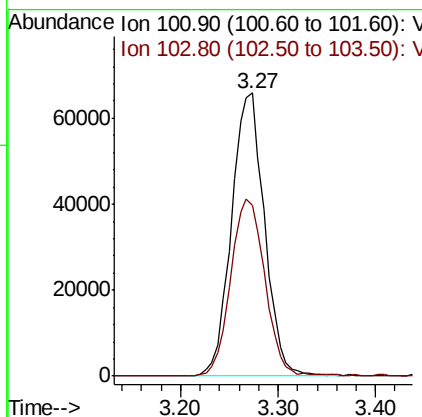
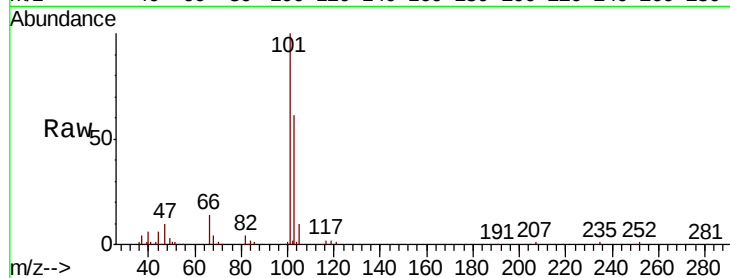
Trichlorofluoromethane
Concen: 24.043 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.5	51.0	76.6

Manual Integrations
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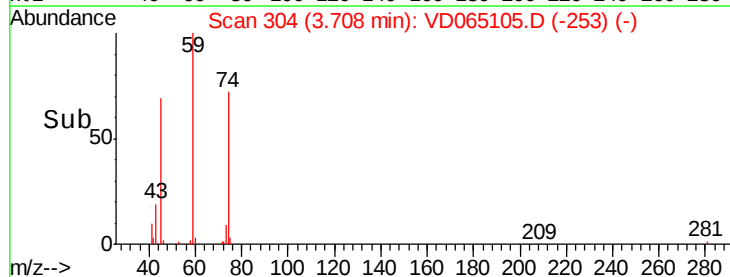
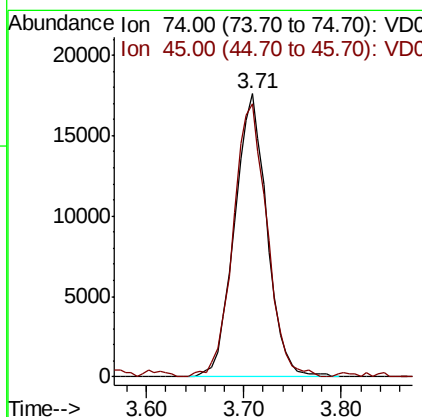
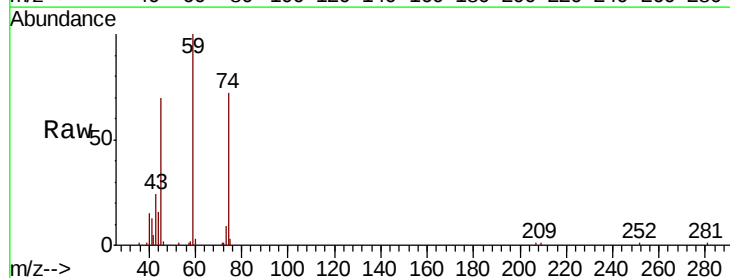
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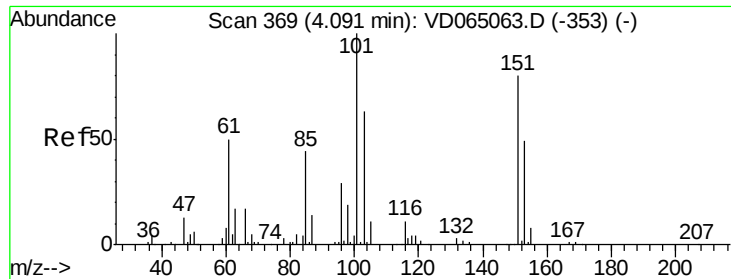


#8

Diethyl Ether
Concen: 22.157 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.649 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

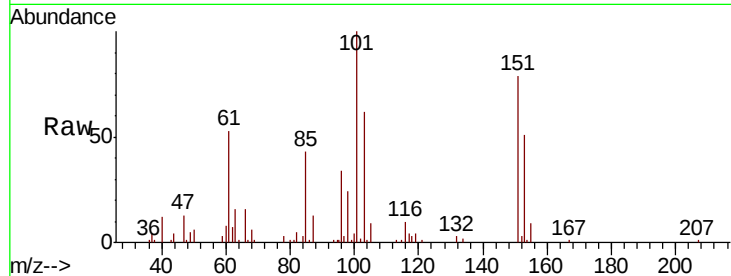
ClientSampleId :

VD0207SBS01

Tot Ion:	101	Resp:	88930
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.0	51.0
151	78.2	64.0	96.0

Manual Integrations
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2/10/2020 5:40:05 PM

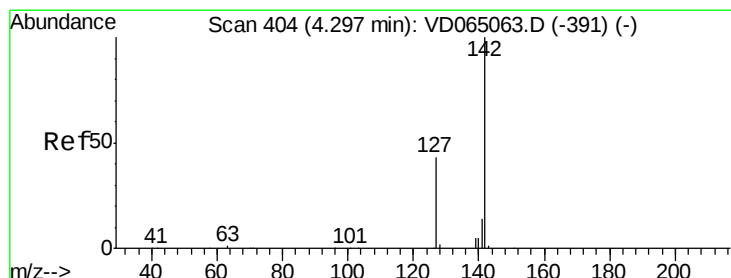
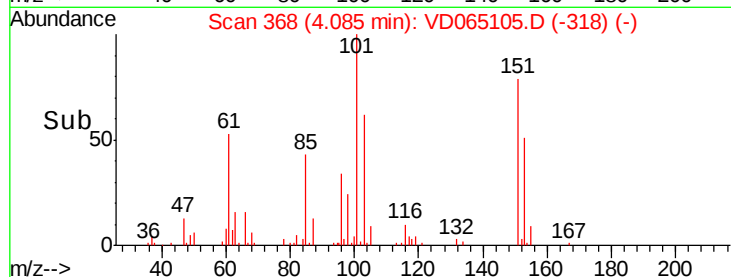
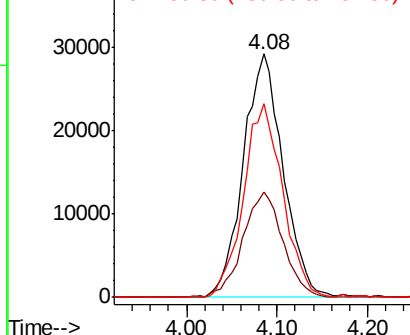


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.861 ug/l

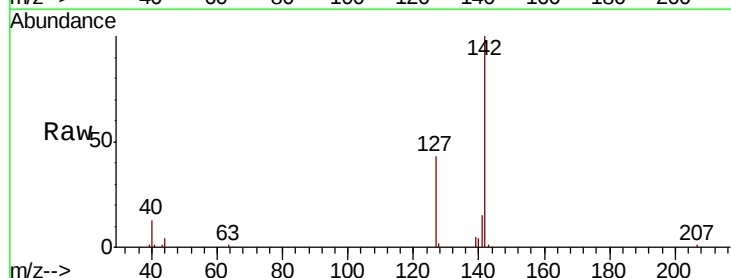
RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Tgt Ion:	142	Resp:	89010
Ion Ratio	Lower	Upper	
142	100		
127	44.3	34.0	51.0
141	14.1	11.6	17.4

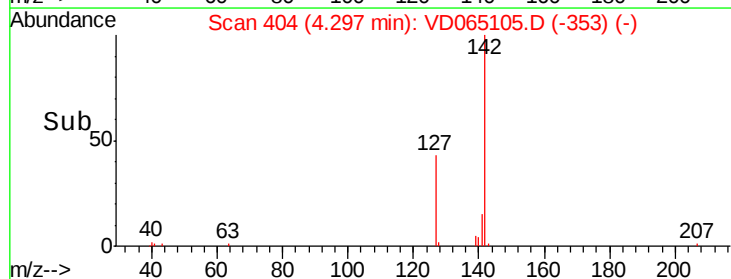
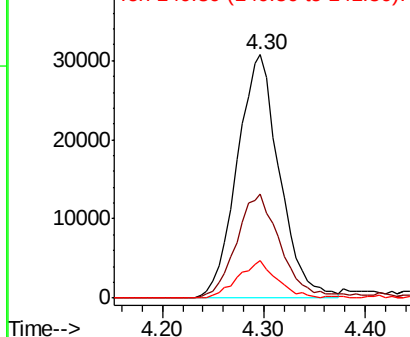


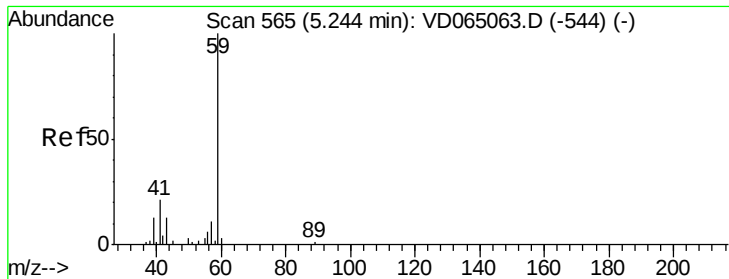
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

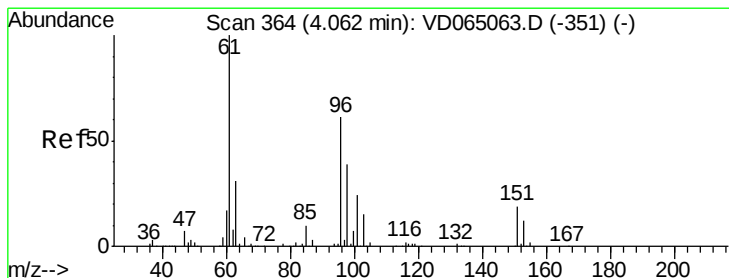
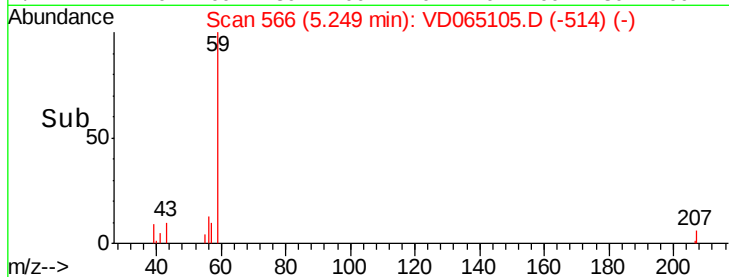
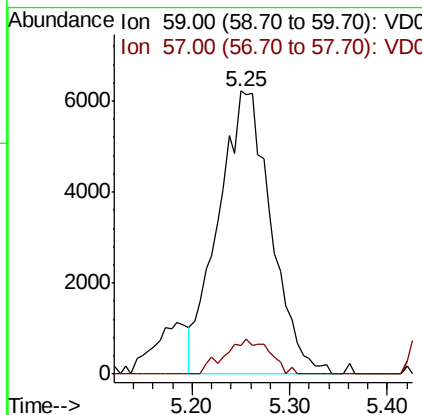
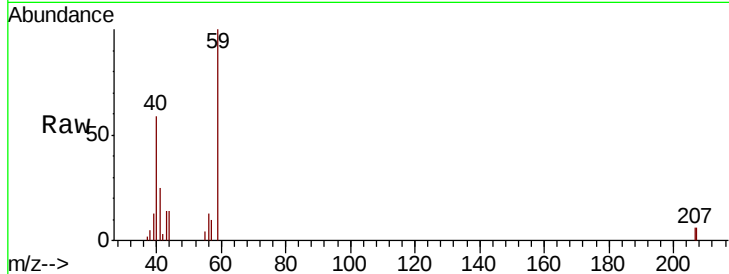
Tert butyl alcohol
 Concen: 106.081 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Tot Ion	59	Resp	23467
Ion Ratio	100	Lower	Upper
57	10.6	8.8	13.2

Manual Integrations
 APPROVED

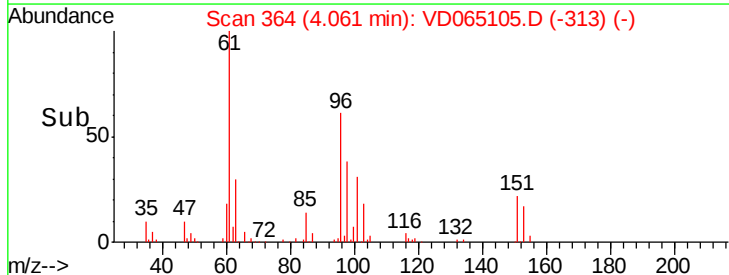
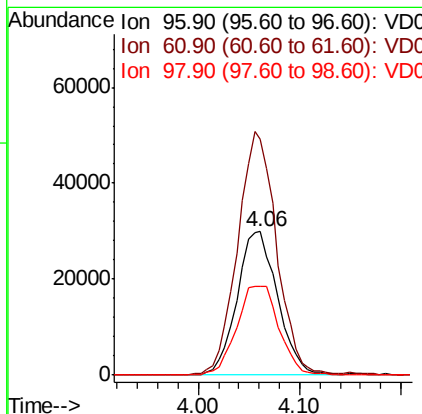
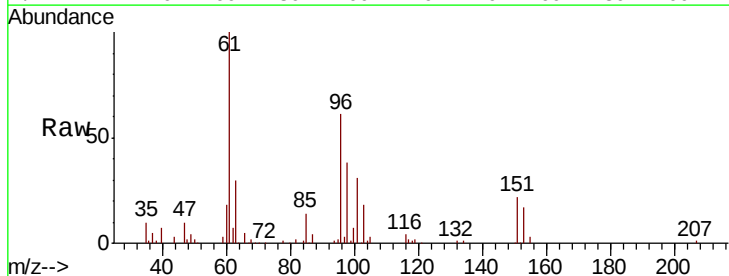
MMDadoda
 2/10/2020 5:40:05 PM



#12

1,1-Dichloroethene
 Concen: 22.052 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion	96	Resp	82926
Ion Ratio	100	Lower	Upper
61	164.7	131.4	197.2
98	61.9	51.1	76.7





#13

Acrolein

Concen: 96.162 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 56 Resp: 26165

Ion Ratio Lower Upper

56 100

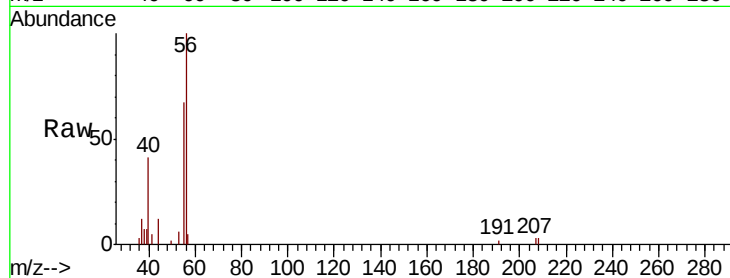
55 73.5 58.2 87.2

Manual Integrations

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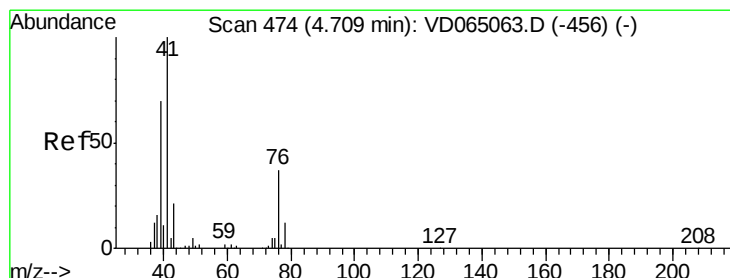
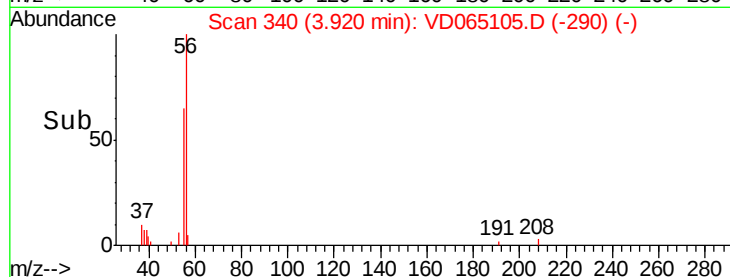
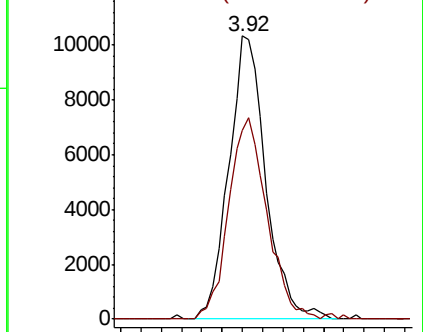
MMDadoda

2/10/2020 5:40:05 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.708 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

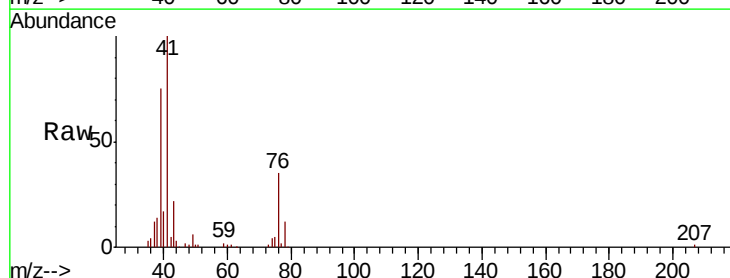
Tgt Ion: 41 Resp: 135669

Ion Ratio Lower Upper

41 100

39 74.9 57.1 85.7

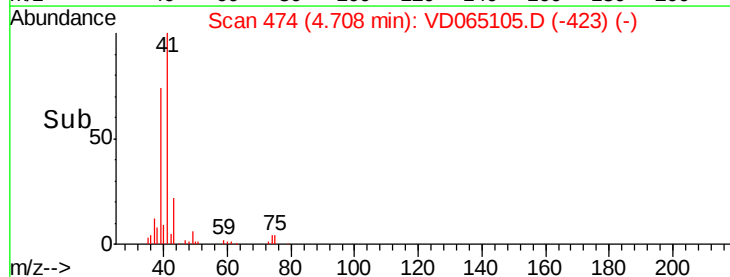
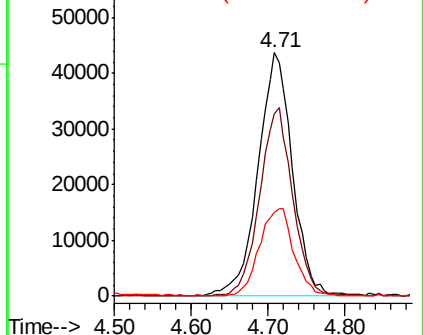
76 36.0 28.0 42.0

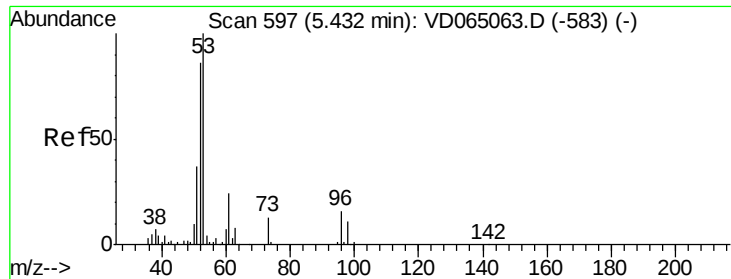


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 113.813 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

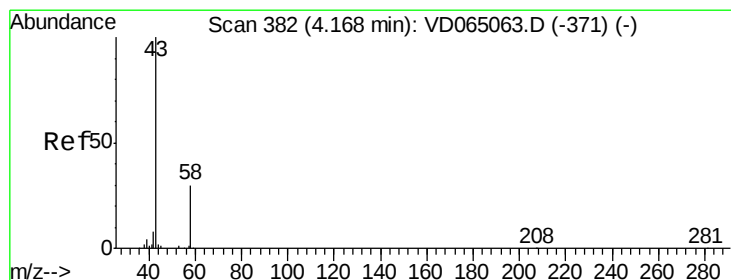
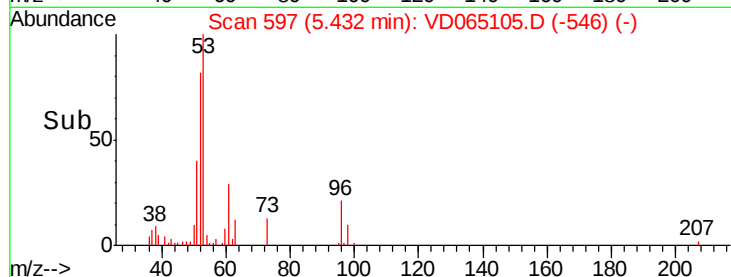
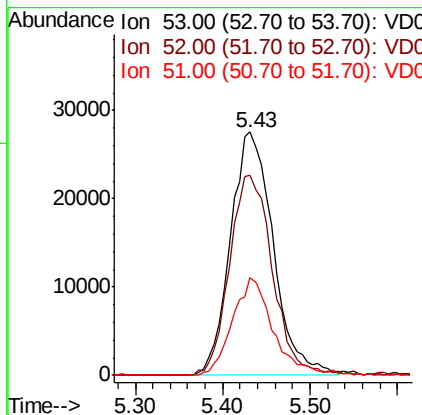
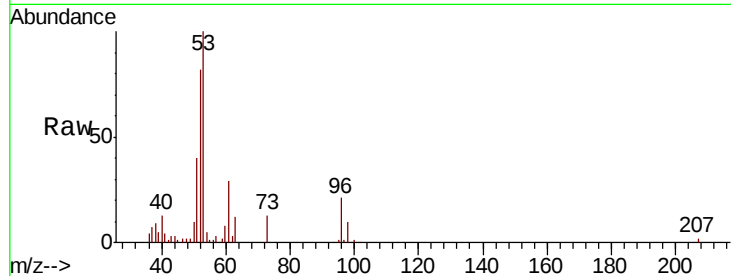
ClientSampleId :

VD0207SBS01

Tot Ion:	53	Resp:	91745
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.2	99.2
51	37.9	30.4	45.6

Manual Integrations
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2/10/2020 5:40:05 PM



#16

Acetone

Concen: 99.697 ug/l

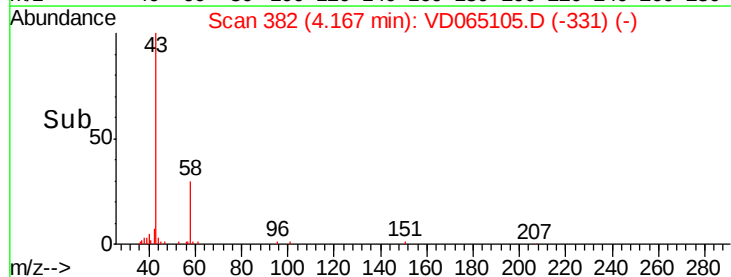
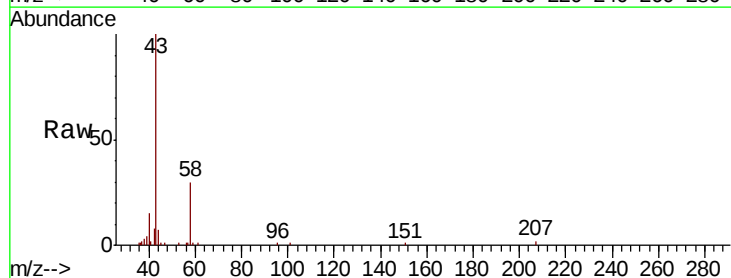
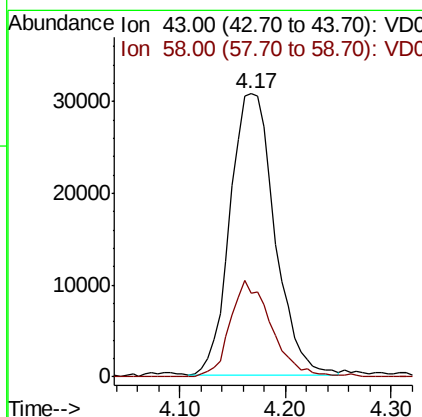
RT: 4.17 min Scan# 382

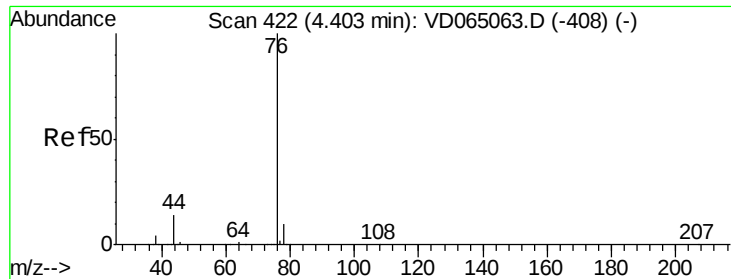
Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Tgt Ion:	43	Resp:	90249
Ion Ratio	Lower	Upper	
43	100		
58	29.7	23.5	35.3





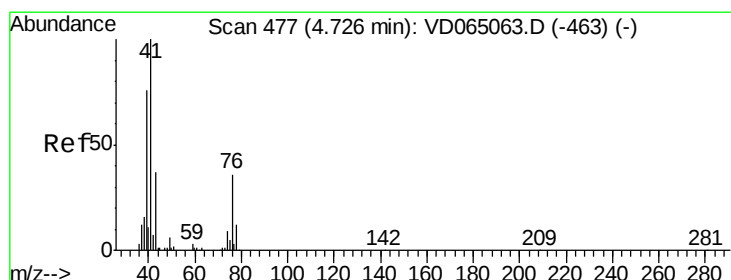
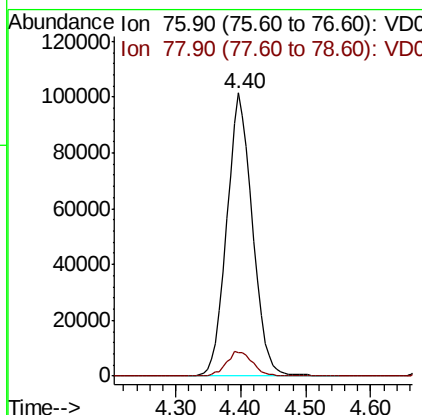
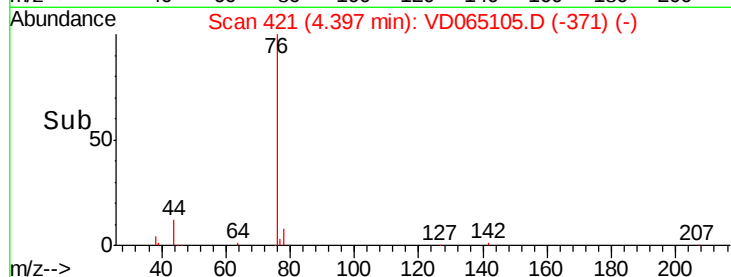
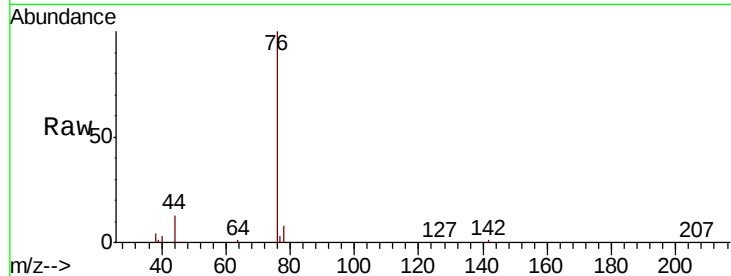
#17
Carbon Disulfide
Concen: 22.875 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.6	11.4

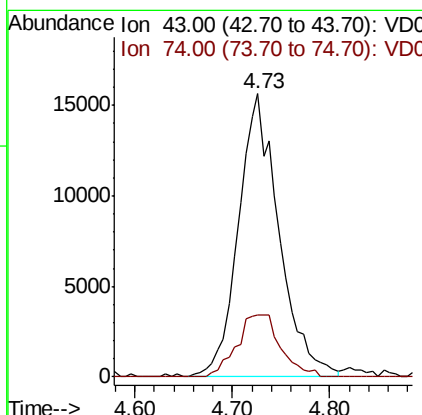
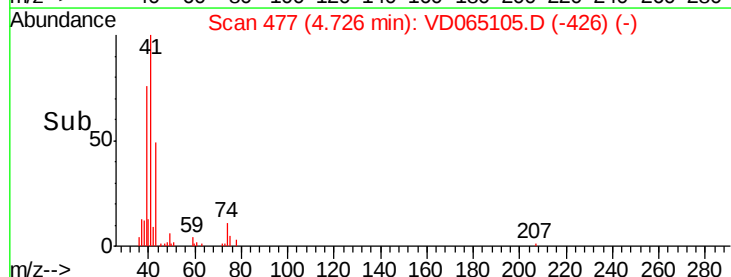
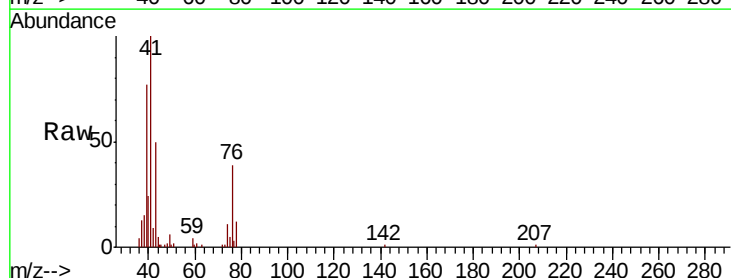
Manual Integrations
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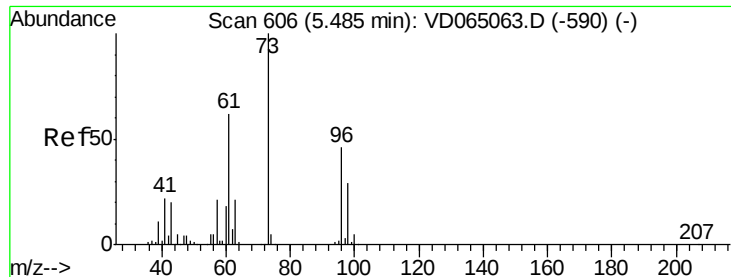
MMDadoda
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#18
Methyl Acetate
Concen: 24.060 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.7	28.1





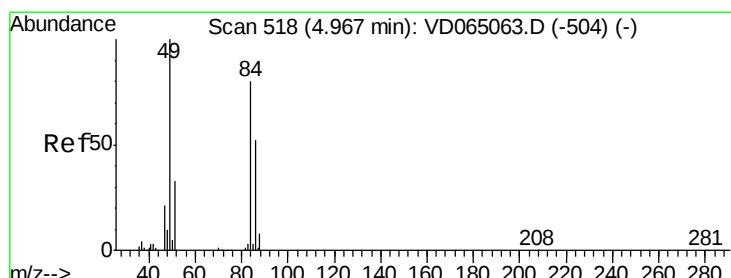
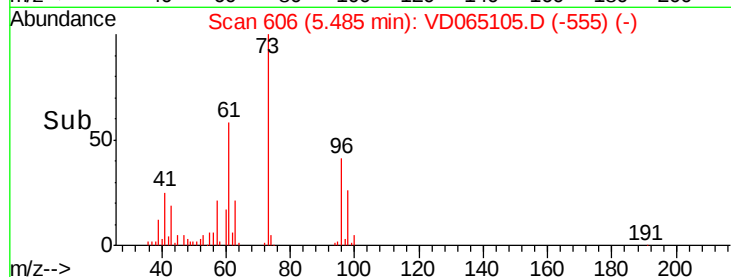
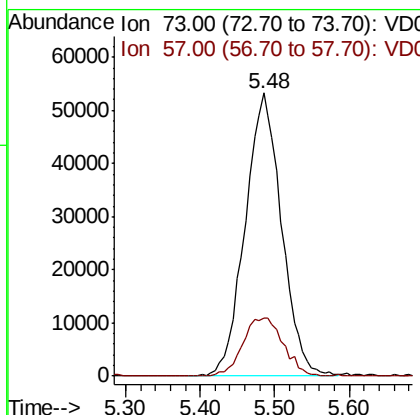
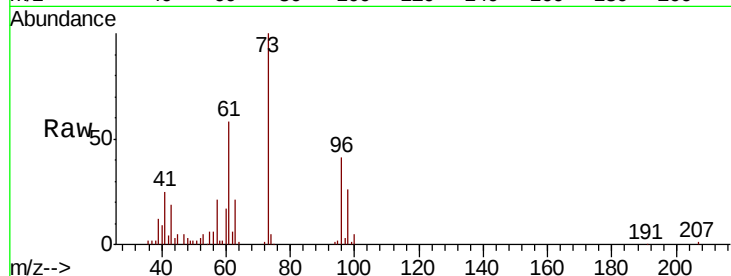
#19
Methyl tert-butyl Ether
Concen: 21.715 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion: 73 Resp: 180568
Ion Ratio Lower Upper
73 100
57 20.6 16.8 25.2

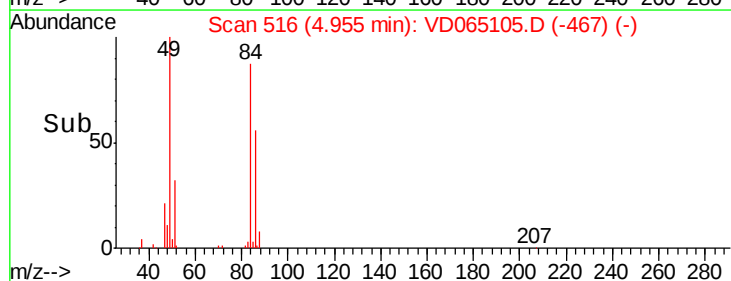
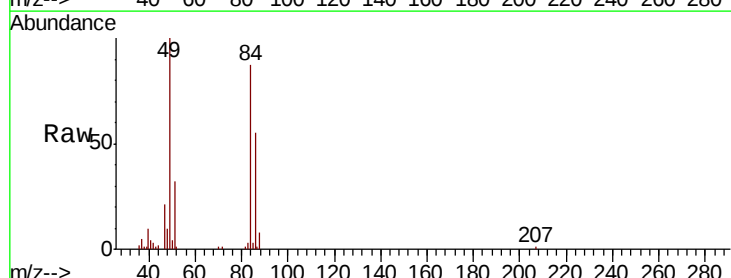
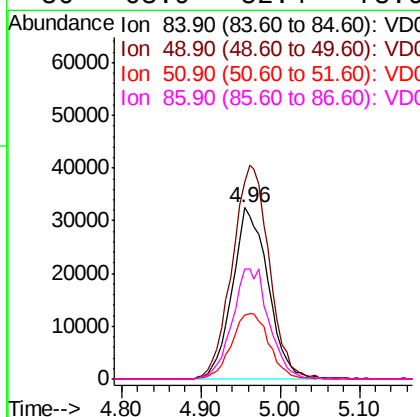
Manual Integrations
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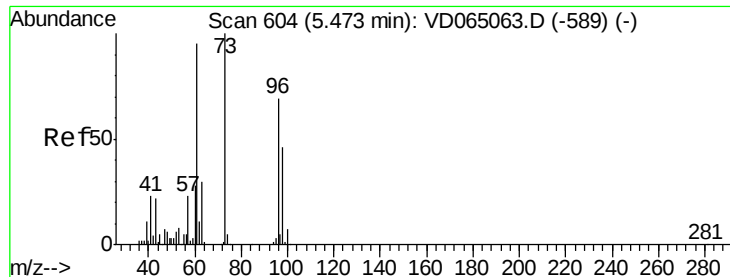
MMDadoda
2/10/2020 5:40:05 PM



#20
Methylene Chloride
Concen: 23.407 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion: 84 Resp: 101649
Ion Ratio Lower Upper
84 100
49 115.5 100.4 150.6
51 37.2 32.7 49.1
86 63.9 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 22.810 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

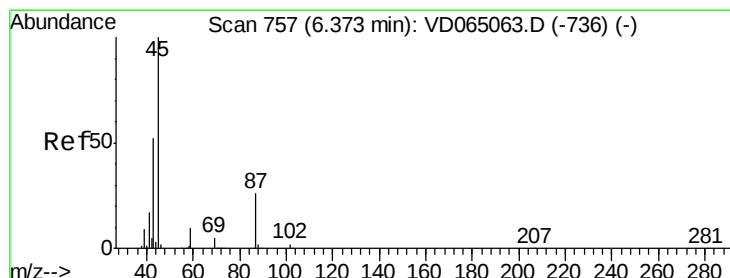
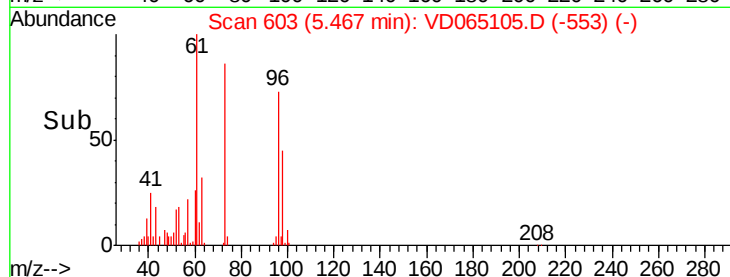
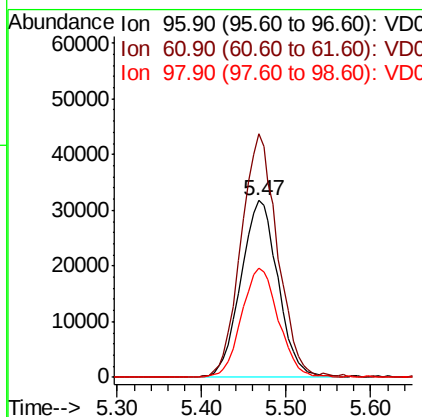
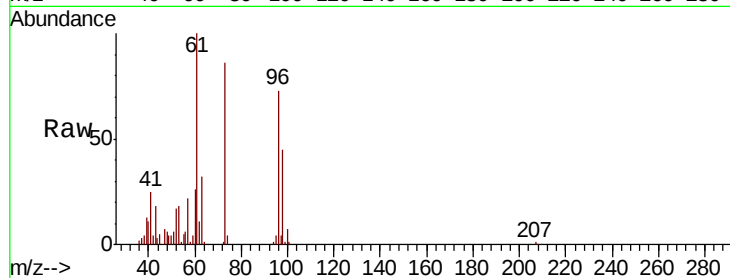
ClientSampleId :

VD0207SBS01

Tot Ion:	96	Resp:	97046
Ion	Ratio	Lower	Upper
96	100		
61	137.7	109.5	164.3
98	62.0	53.7	80.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.201 ug/l

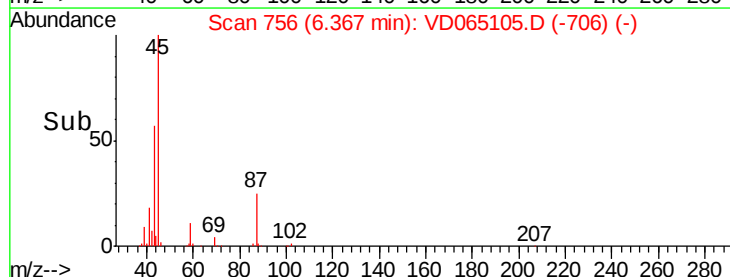
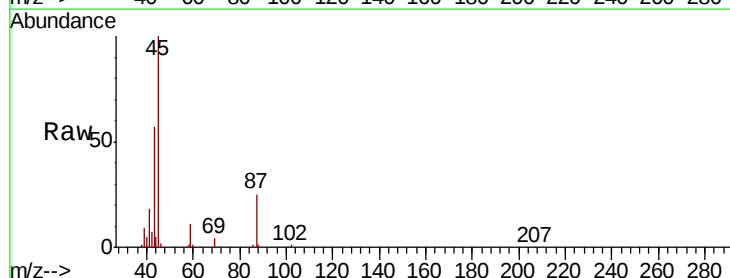
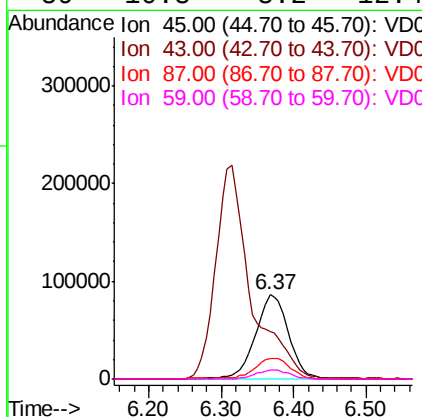
RT: 6.37 min Scan# 756

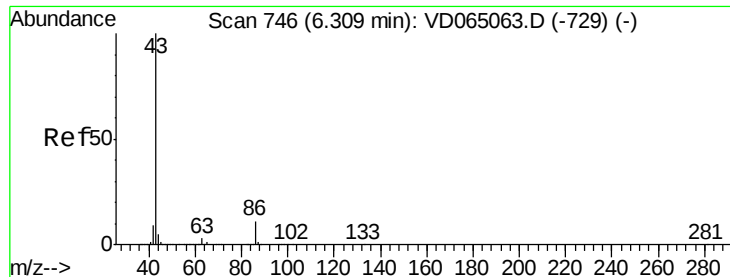
Delta R.T. -0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Tgt Ion:	45	Resp:	273507
Ion	Ratio	Lower	Upper
45	100		
43	55.5	41.3	61.9
87	24.6	21.0	31.6
59	10.8	8.2	12.4





#23

Vinyl Acetate

Concen: 112.603 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 43 Resp: 739881

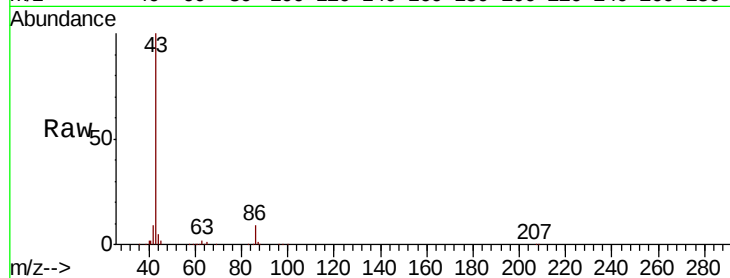
Ion Ratio Lower Upper

43 100

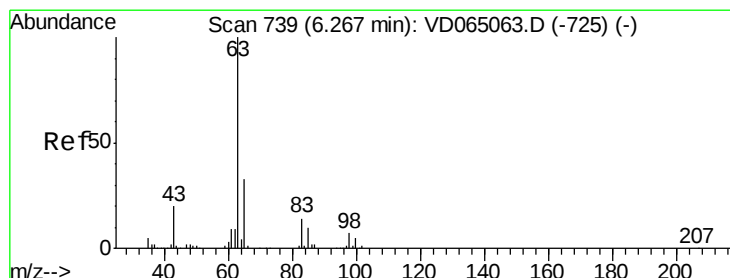
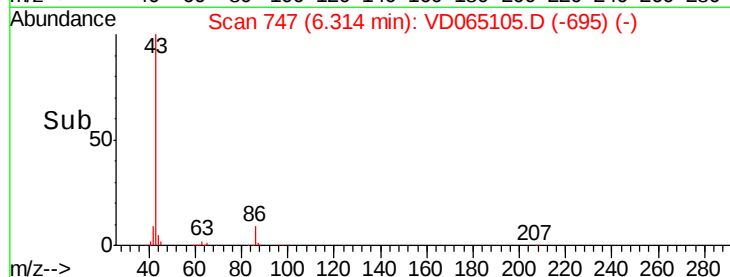
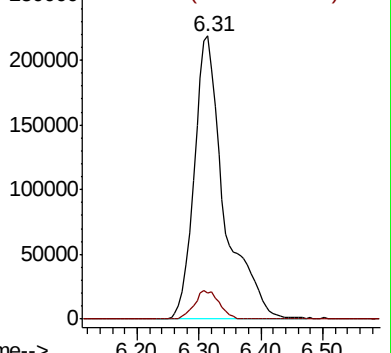
86 9.3 8.5 12.7

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: 23.205 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

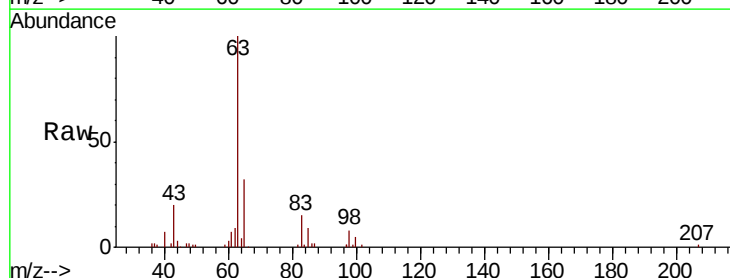
Tgt Ion: 63 Resp: 165576

Ion Ratio Lower Upper

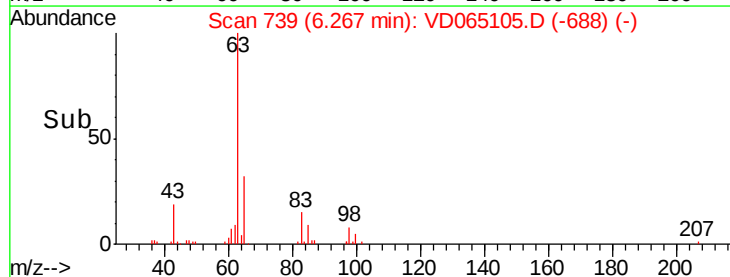
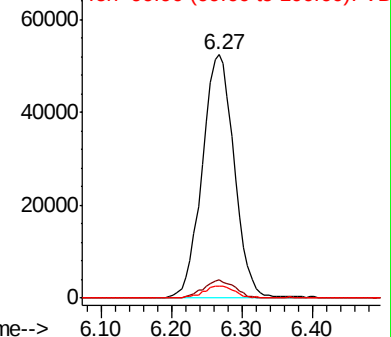
63 100

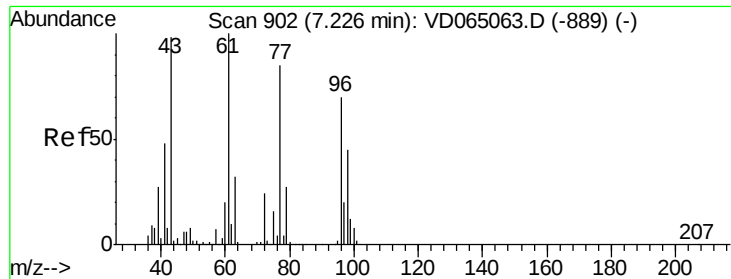
98 7.7 3.5 10.4

100 4.9 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: 111.500 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 43 Resp: 120398

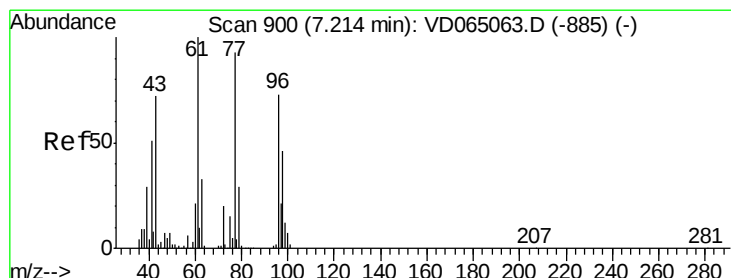
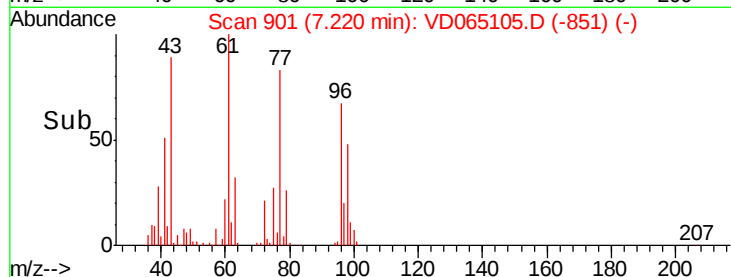
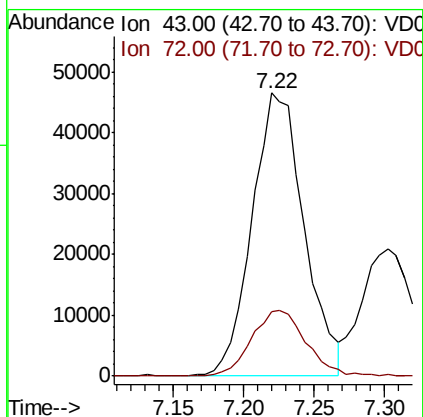
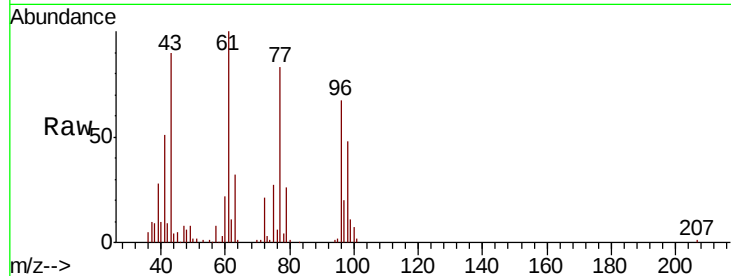
Ion Ratio Lower Upper

43 100

72 22.9 19.9 29.9

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 22.834 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065105.D

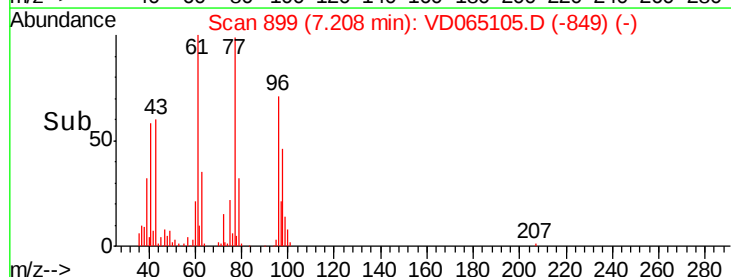
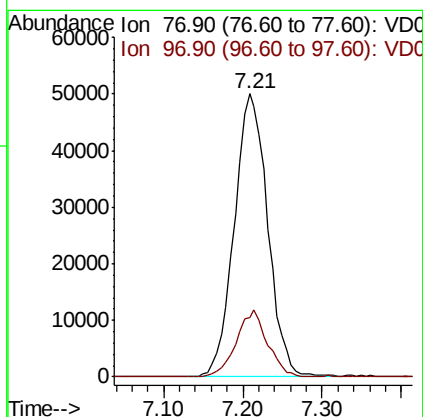
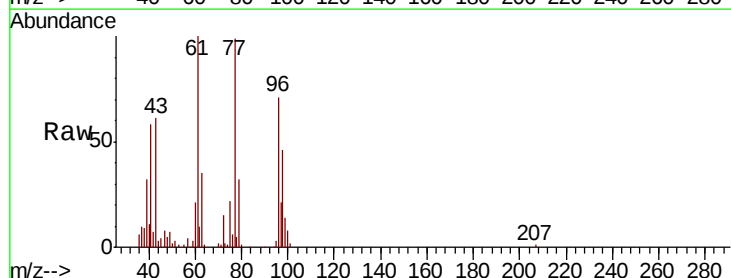
Acq: 07 Feb 2020 12:57

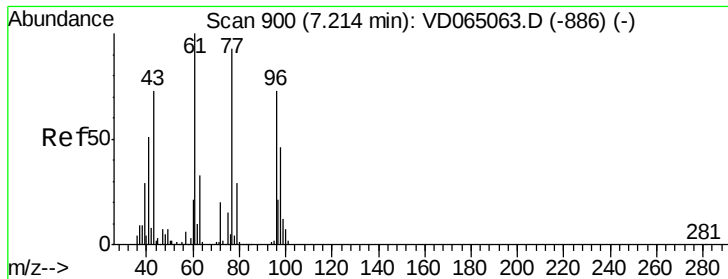
Tgt Ion: 77 Resp: 146040

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.6





#27

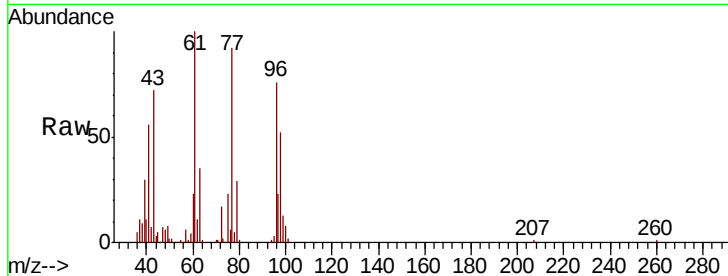
cis-1,2-Dichloroethene
Concen: 22.273 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBSD01

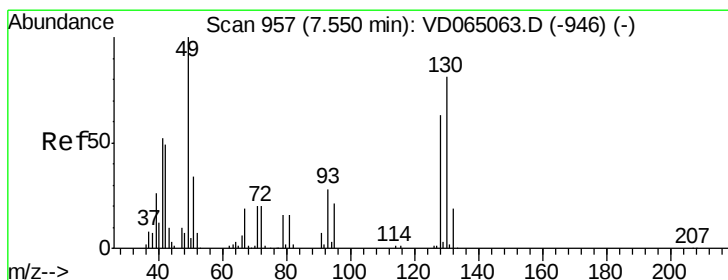
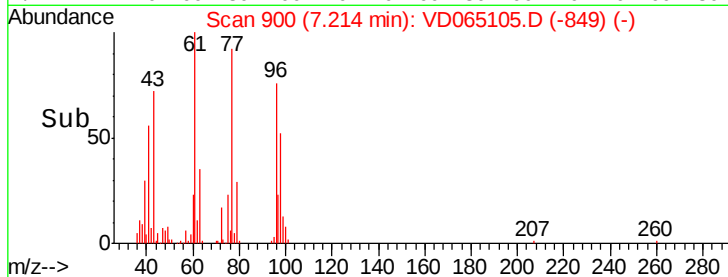
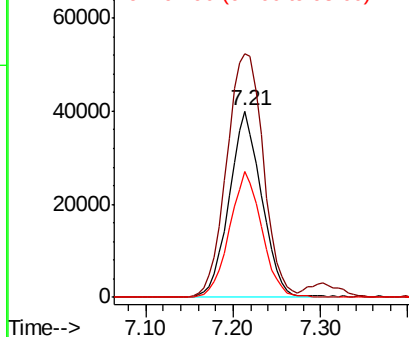
Tot Ion	Ratio	Lower	Upper
96	100		
61	147.8	0.0	292.8
98	67.3	0.0	128.8

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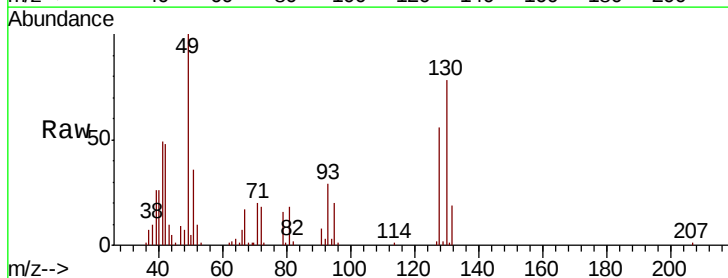
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



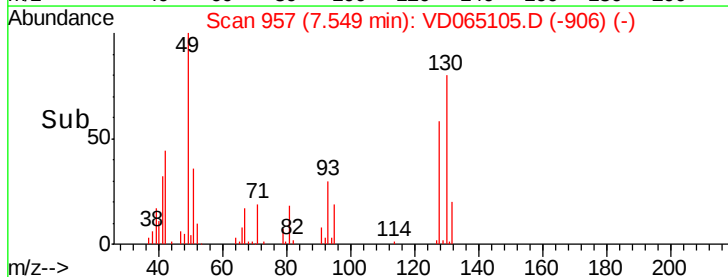
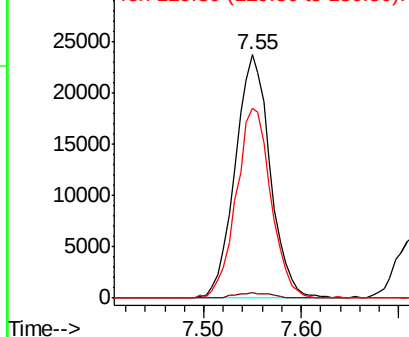
#28

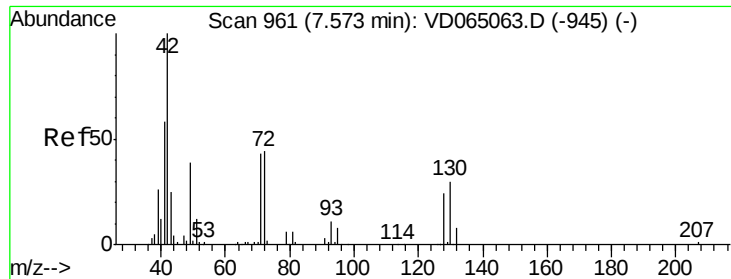
Bromochloromethane
Concen: 21.890 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	77.6	63.8	95.8



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





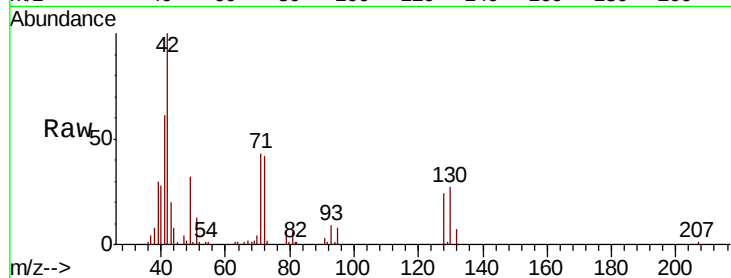
#29
Tetrahydrofuran
Concen: 114.820 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.2	51.4
71	38.9	31.8	47.6

Manual Integrations
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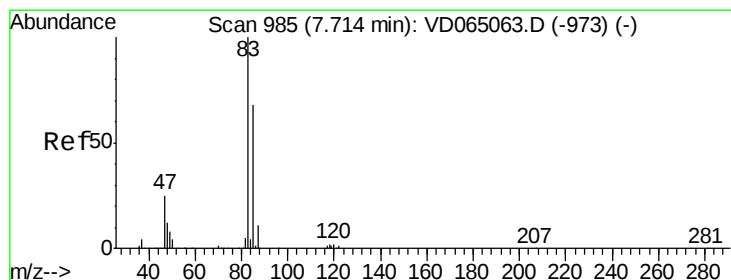
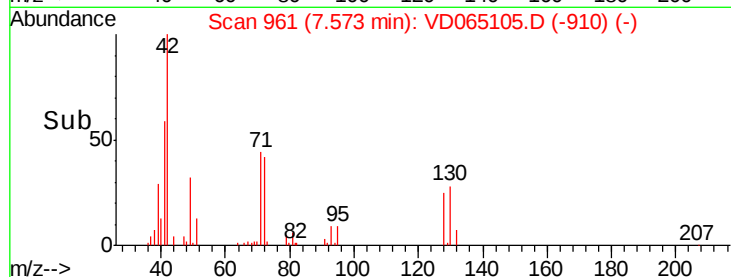
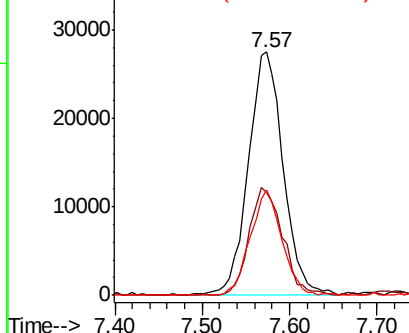


Abundance

Ion 42.00 (41.70 to 42.70): VDC

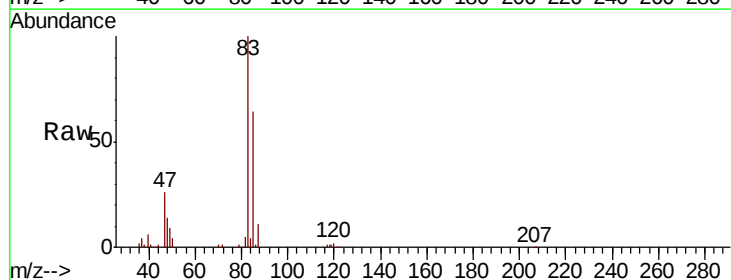
Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30
Chloroform
Concen: 23.538 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

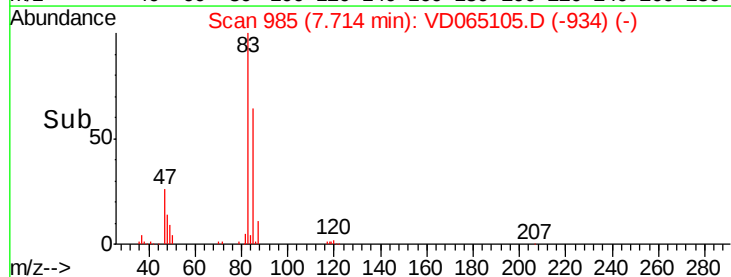
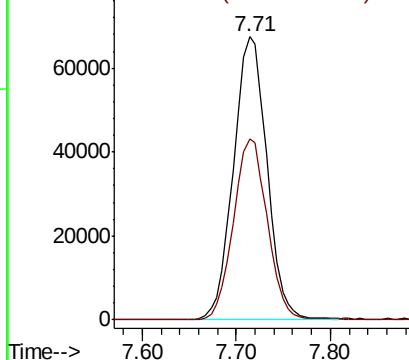
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	54.2	81.4

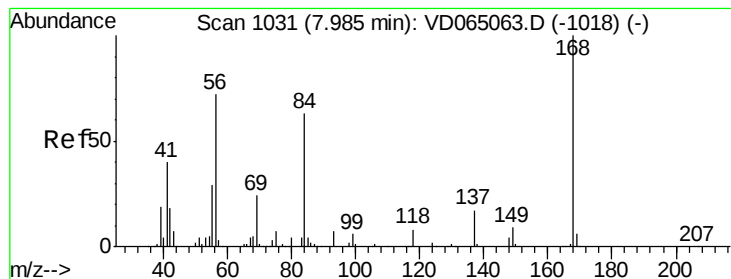


Abundance

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 21.633 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 56 Resp: 155814

Ion Ratio Lower Upper

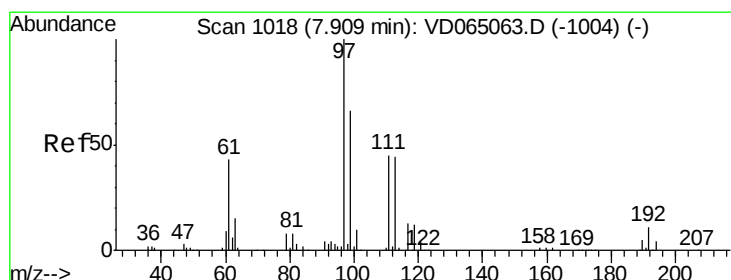
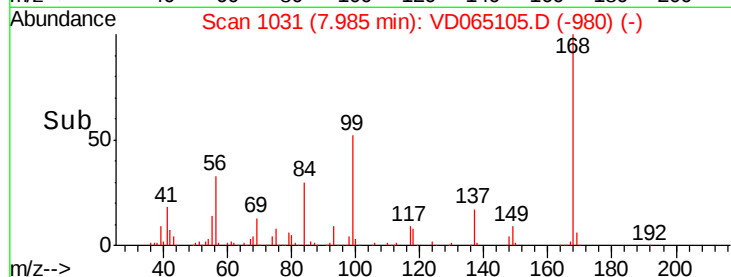
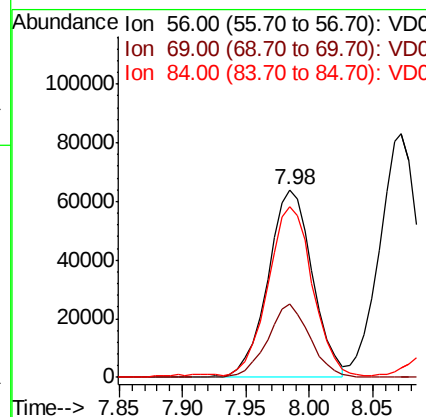
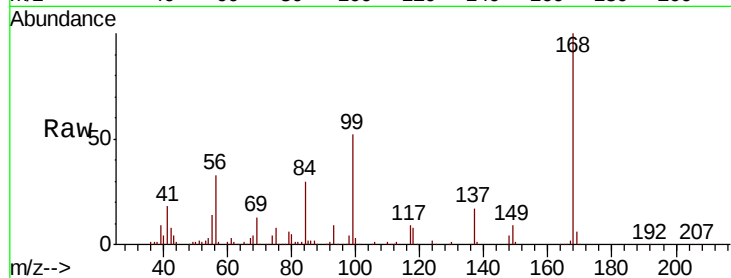
56 100

69 39.0 26.6 40.0

84 89.2 70.6 106.0

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#32

1,1,1-Trichloroethane

Concen: 22.561 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

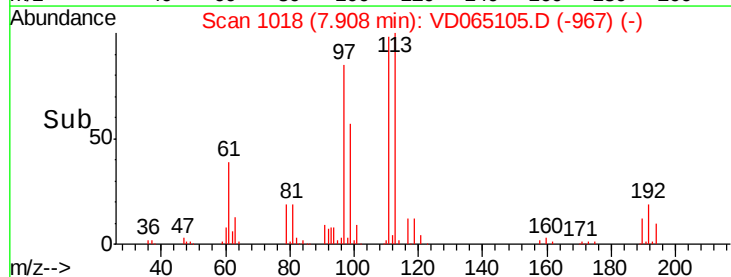
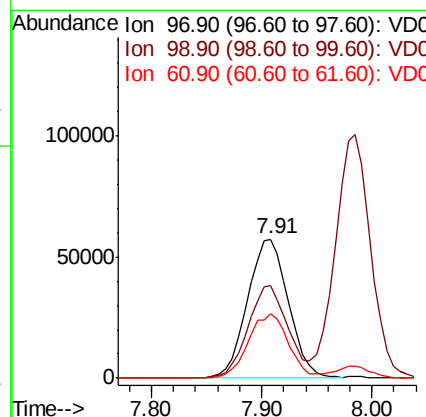
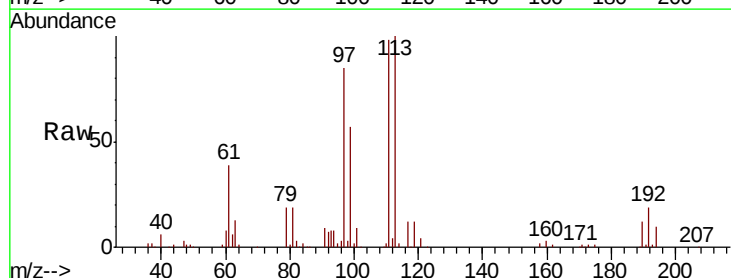
Tgt Ion: 97 Resp: 149312

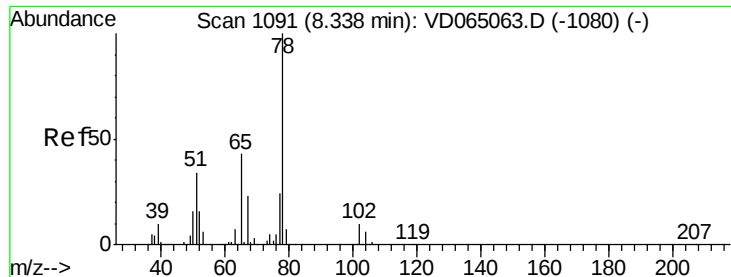
Ion Ratio Lower Upper

97 100

99 65.3 51.5 77.3

61 45.8 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 58.622 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 65 Resp: 212252

Ion Ratio Lower Upper

65 100

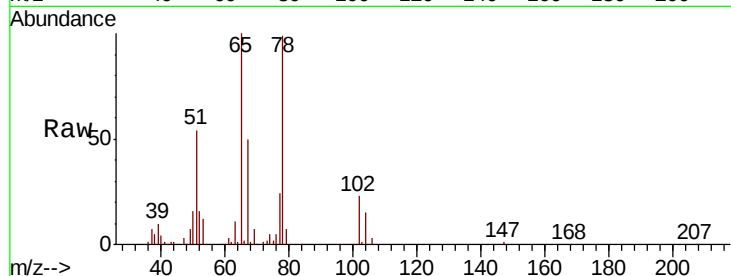
67 51.8 0.0 105.8

Manual Integrations

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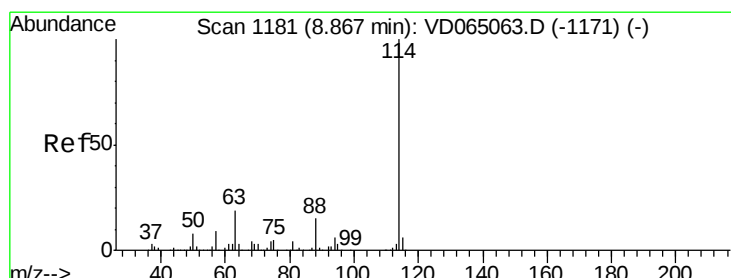
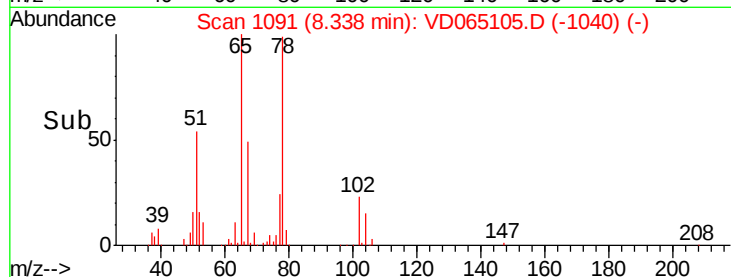
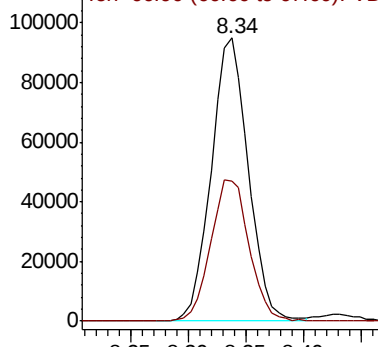
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

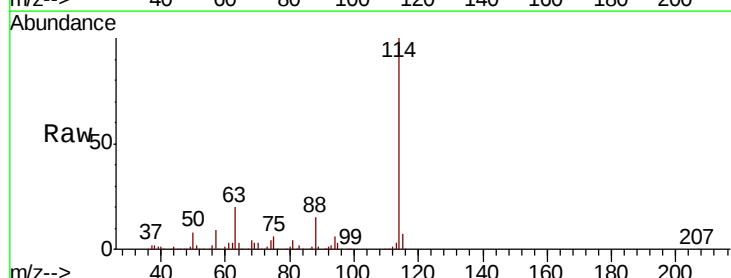
Tgt Ion: 114 Resp: 647939

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.8

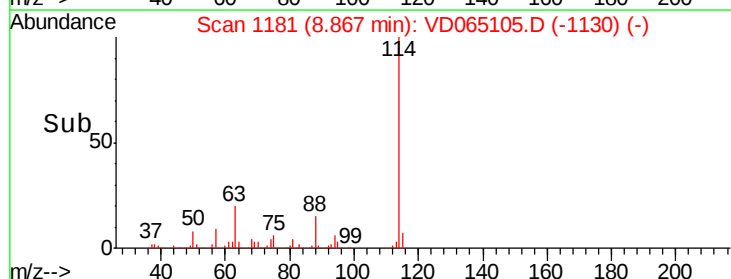
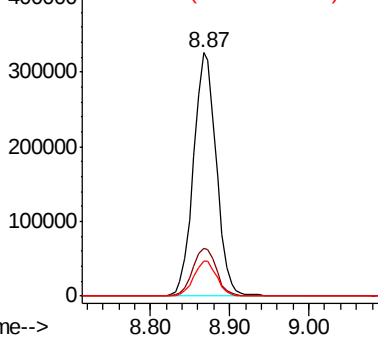
88 14.5 0.0 29.6

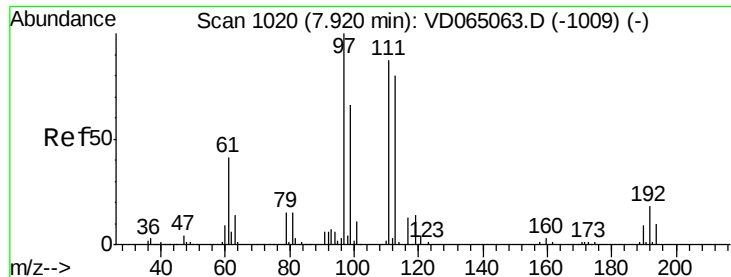


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





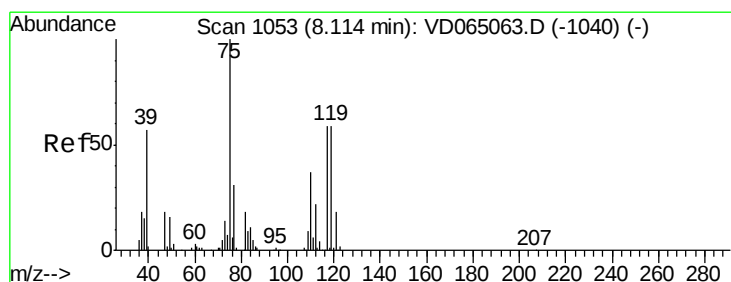
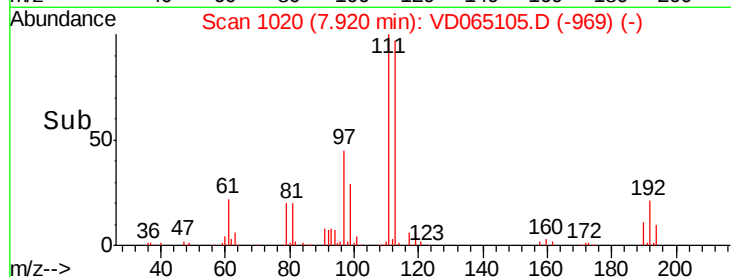
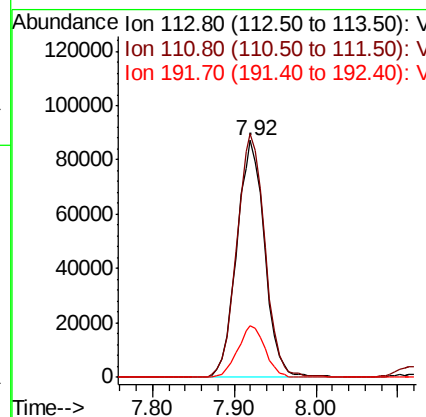
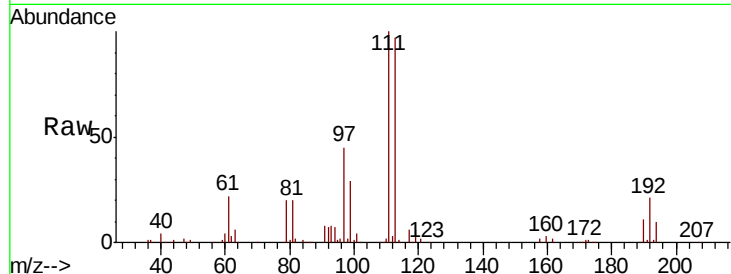
#35
Dibromofluoromethane
Concen: 57.093 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.7	83.1	124.7	
192	21.4	18.1	27.1	

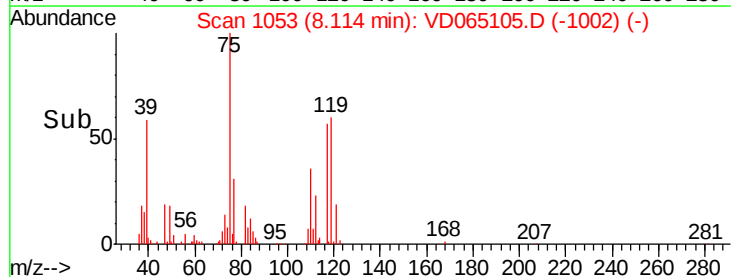
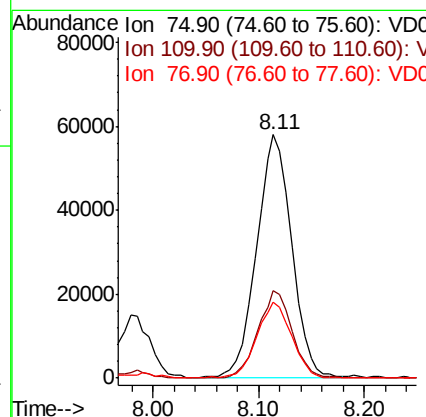
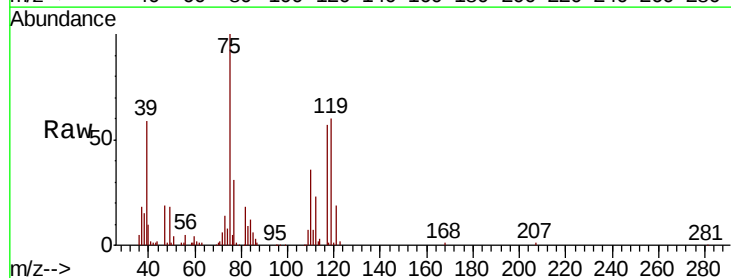
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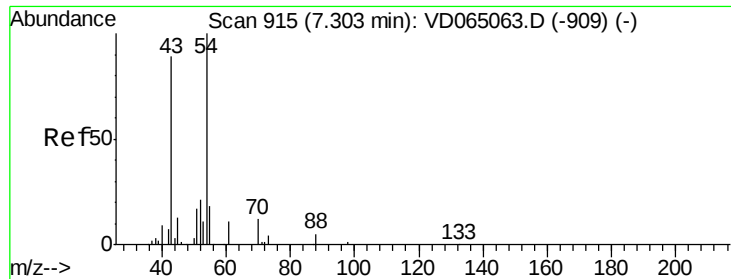
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#36
1,1-Dichloropropene
Concen: 22.045 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.1	18.1	54.3	
77	31.6	24.7	37.1	





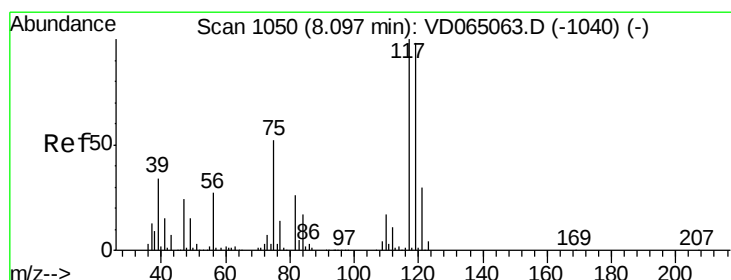
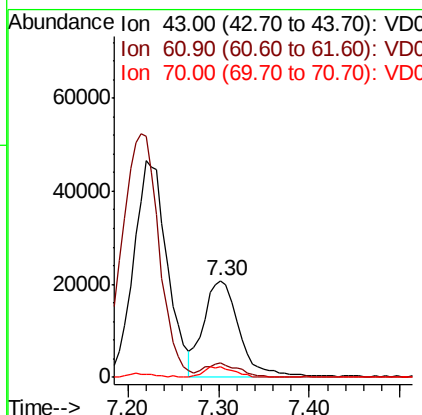
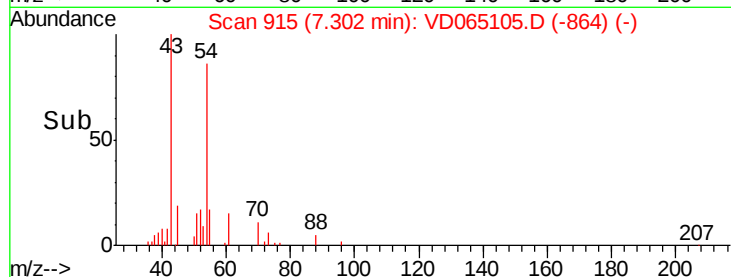
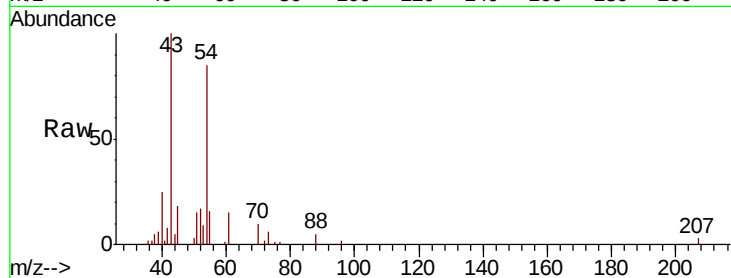
#37
Ethyl Acetate
Concen: 22.967 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	9.7	8.2	12.2

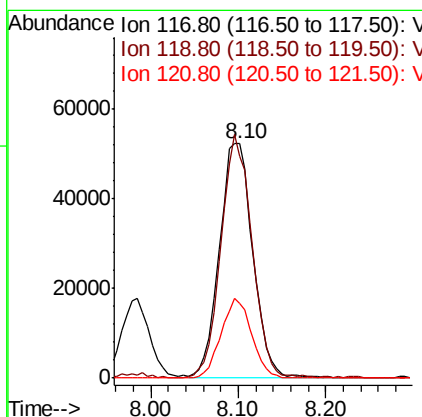
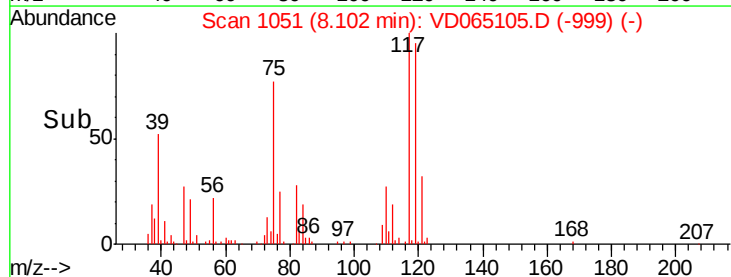
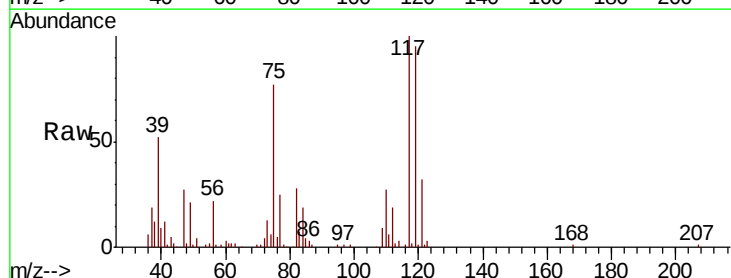
Manual Integrations
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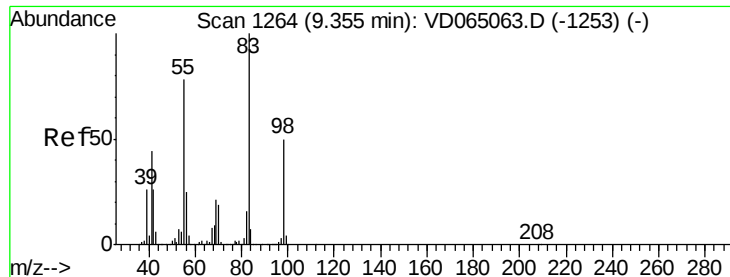
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.285 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	78.5	117.7
121	31.6	23.8	35.6





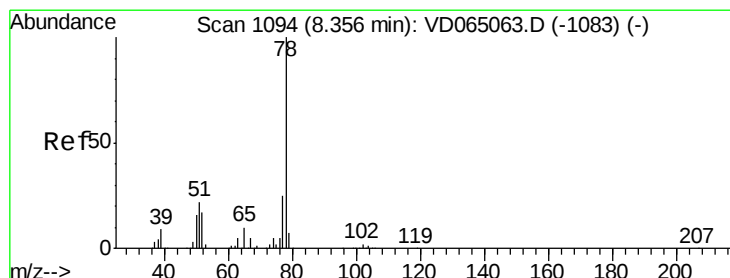
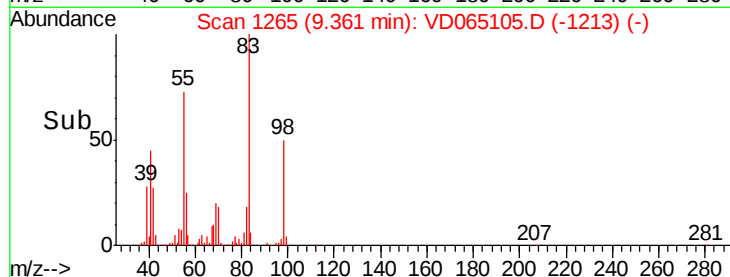
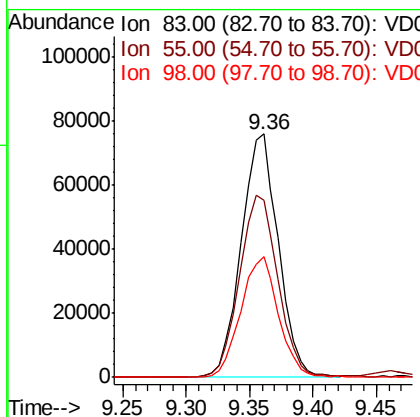
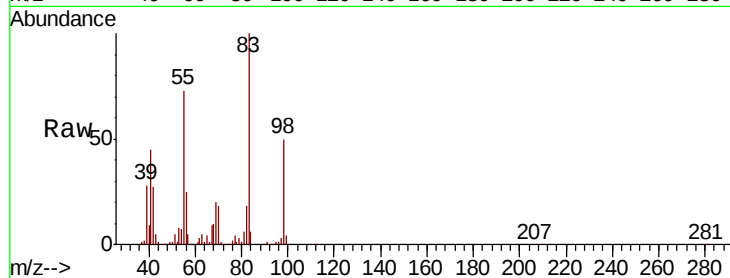
#39
Methvlcvclohexane
Concen: 20.796 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	62.0	93.0
98	49.7	39.9	59.9

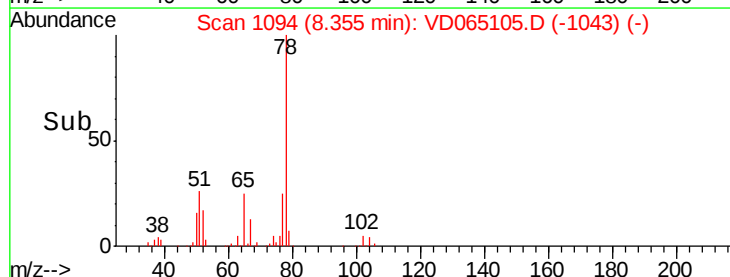
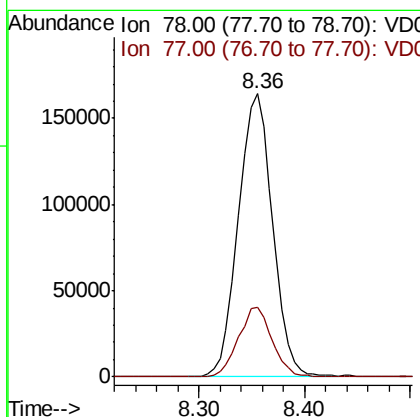
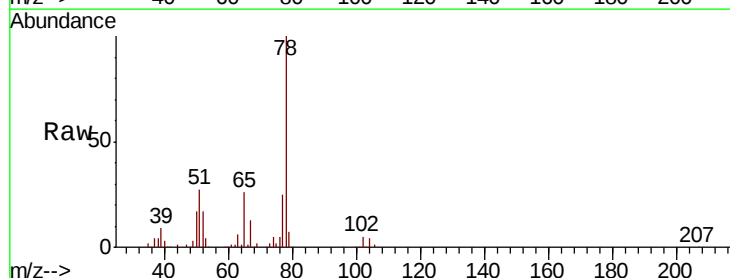
Manual Integrations
APPROVED

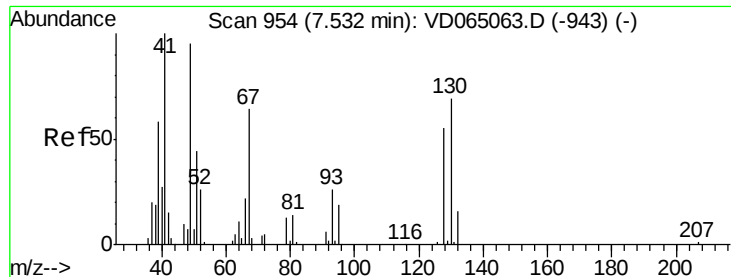
MMDadoda
2/10/2020 5:40:05 PM



#40
Benzene
Concen: 22.231 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.6	29.4





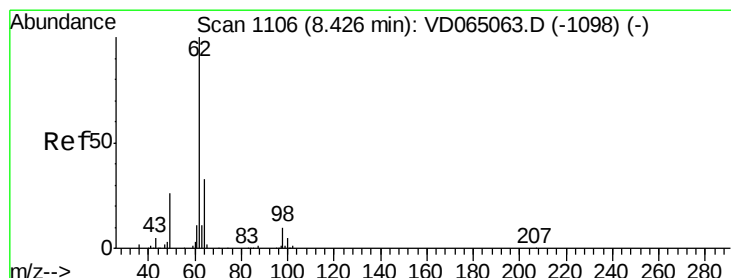
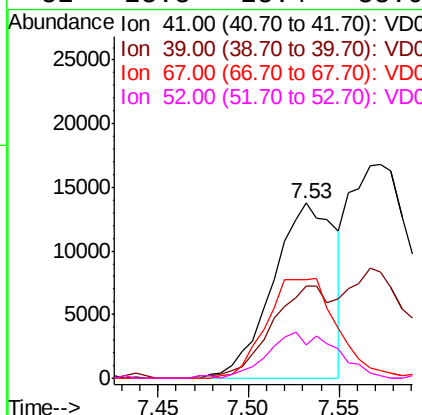
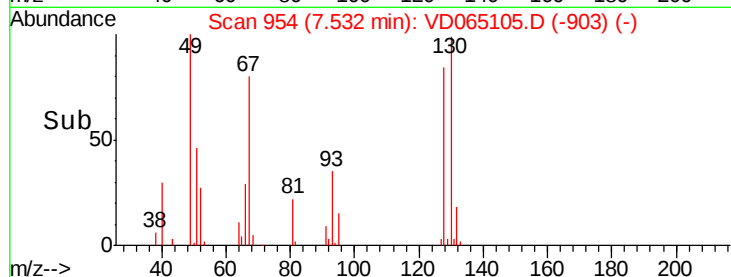
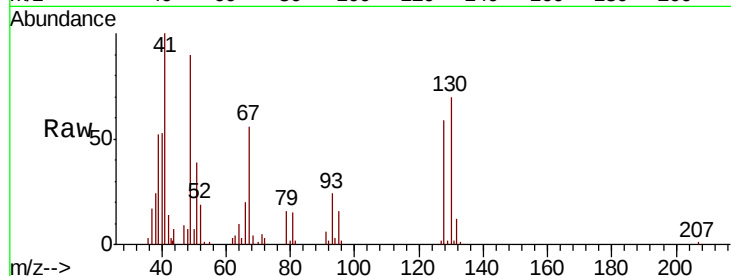
#41
Methacrylonitrile
Concen: 24.347 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ion	Ratio	Lower	Upper
33015	41	100		
	39	47.1	55.4	83.0#
	67	64.5	59.0	88.6
	52	28.8	25.4	38.0

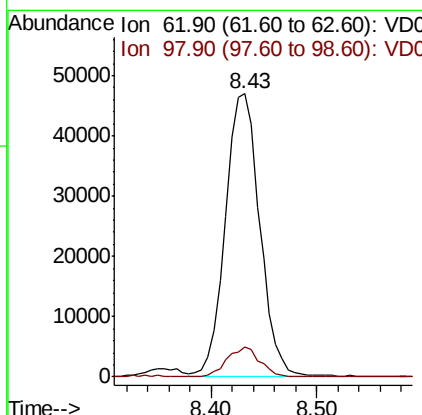
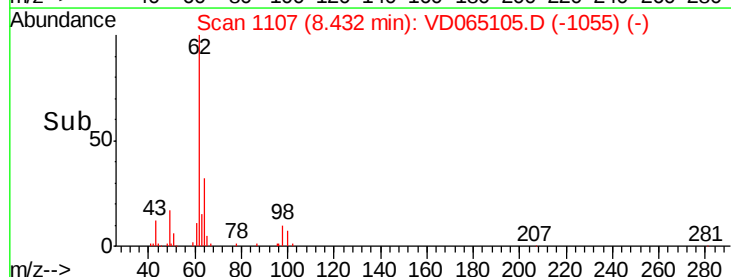
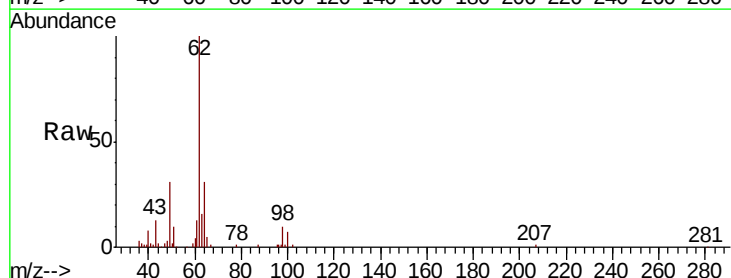
Manual Integrations
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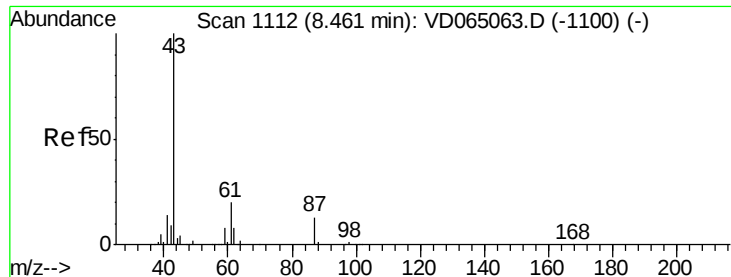
MMDadoda
2/10/2020 5:40:05 PM



#42
1,2-Dichloroethane
Concen: 22.445 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ion	Ratio	Lower	Upper
106404	62	100		
	98	10.0	0.0	18.6





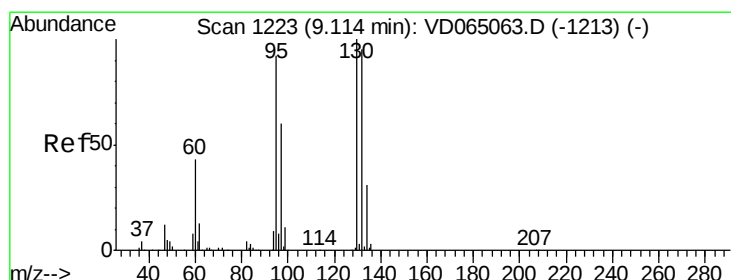
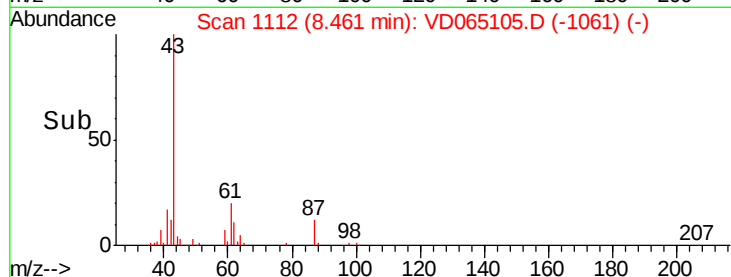
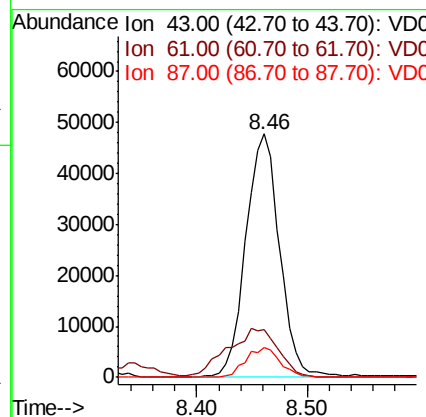
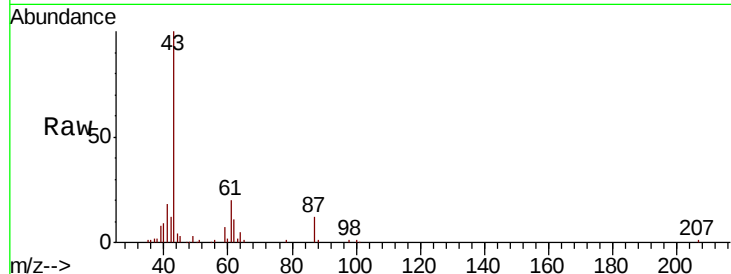
#43
Isopropyl Acetate
Concen: 21.874 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	24.0	36.0
87	12.5	10.2	15.4

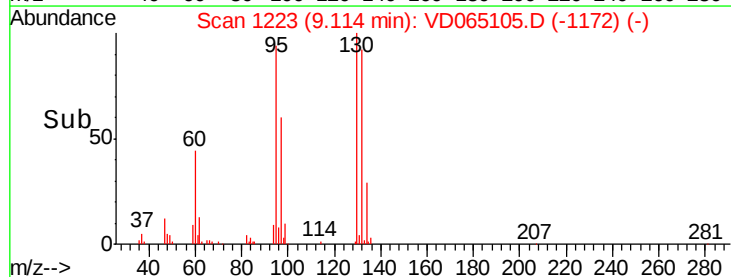
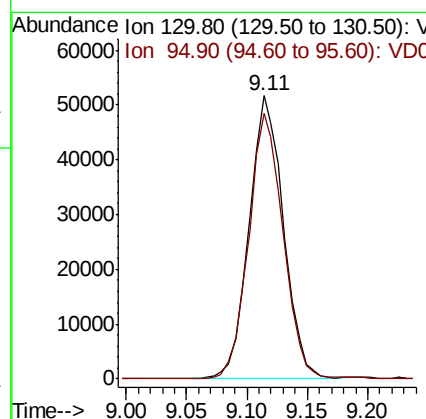
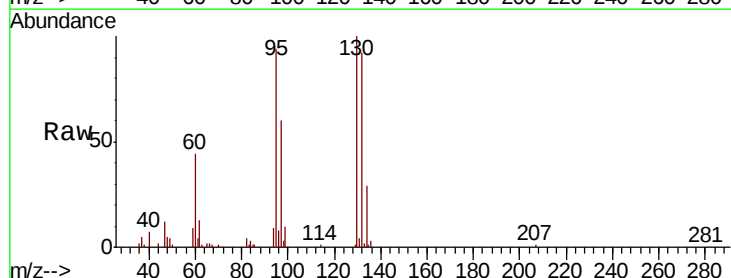
Manual Integrations
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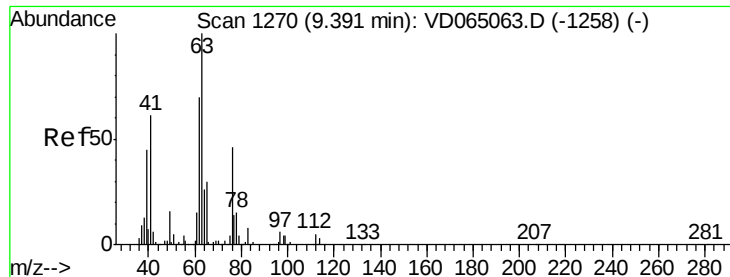
MMDadoda
2/10/2020 5:40:05 PM



#44
Trichloroethene
Concen: 21.487 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	185.0





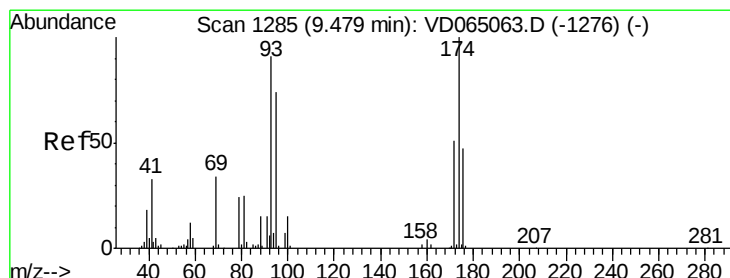
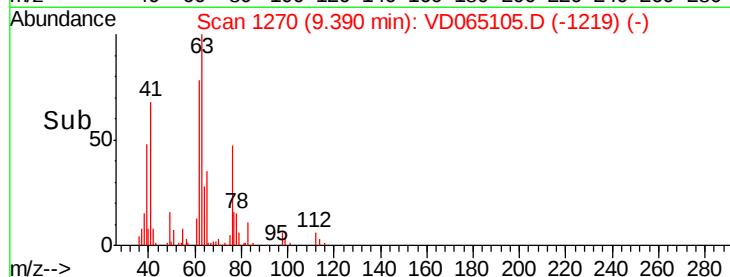
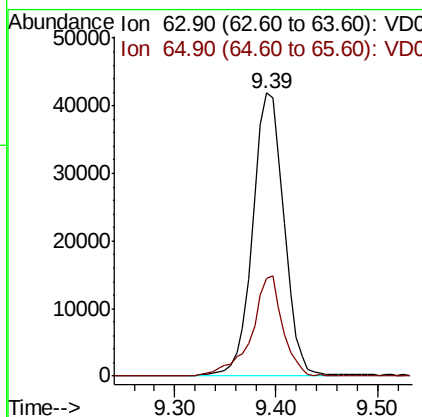
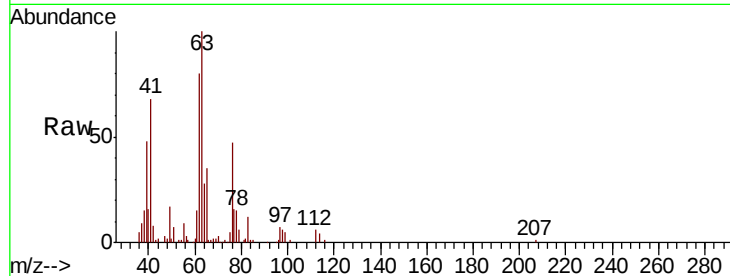
#45
 1,2-Dichloropropane
 Concen: 22.618 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBSD01

Tot Ion	63	Resp	90223
Ion Ratio	Lower	Upper	
63	100		
65	34.6	23.9	35.9

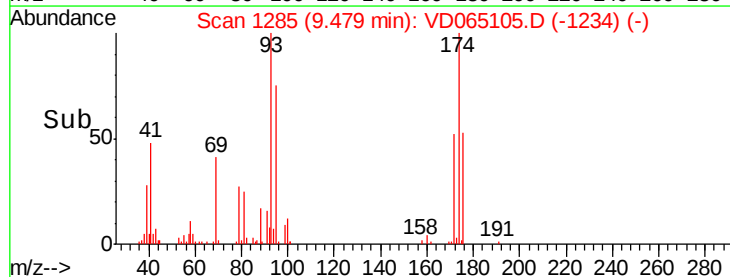
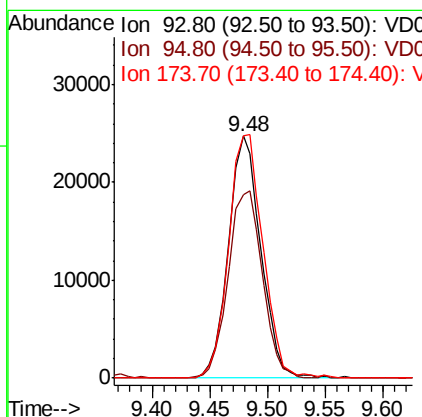
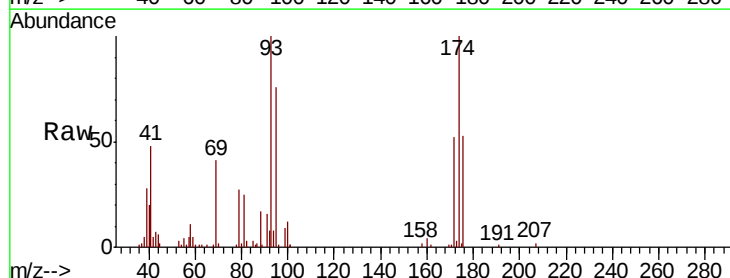
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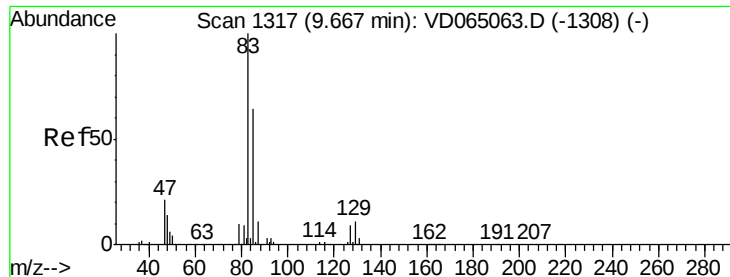
MMDadoda
 2/10/2020 5:40:05 PM



#46
 Dibromomethane
 Concen: 22.953 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion	93	Resp	48112
Ion Ratio	Lower	Upper	
93	100		
95	81.7	66.5	99.7
174	106.5	89.8	134.8





#47

Bromodichloromethane

Concen: 23.310 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

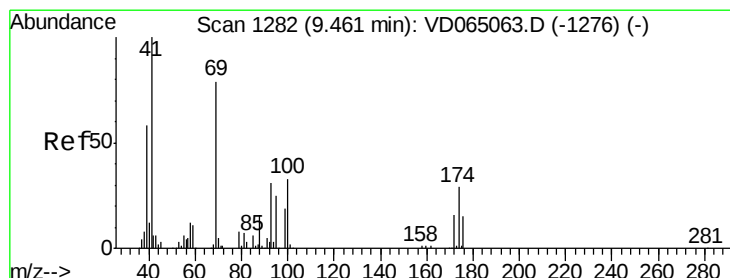
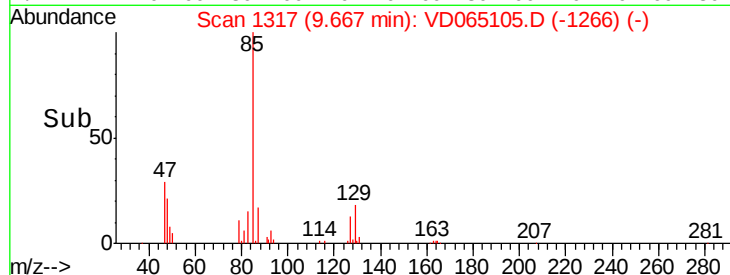
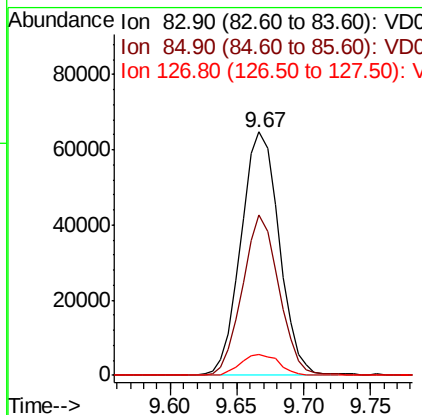
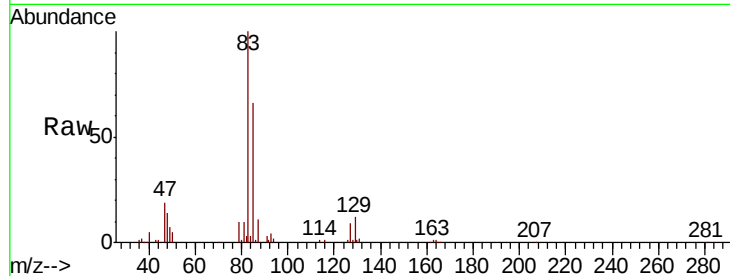
ClientSampleId :

VD0207SBS01

Tot Ion:	83	Resp:	128742
Ion Ratio	Lower	Upper	
83	100		
85	65.7	51.0	76.6
127	8.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.510 ug/l

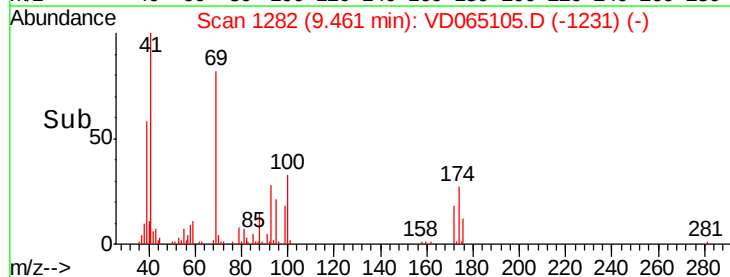
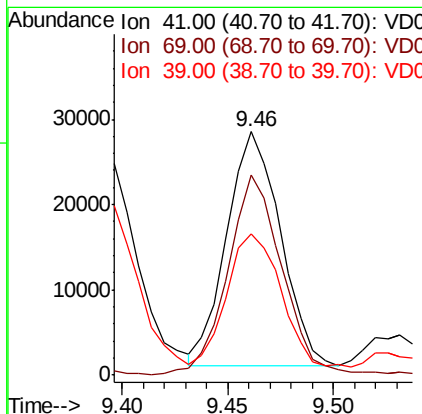
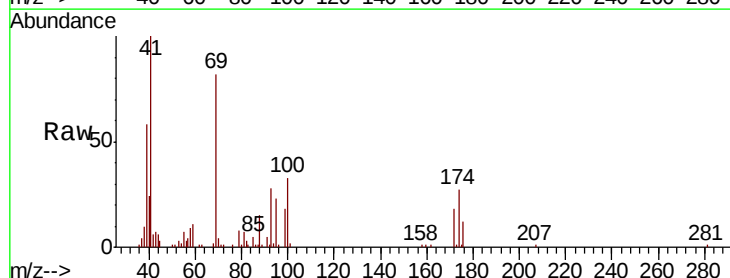
RT: 9.46 min Scan# 1282

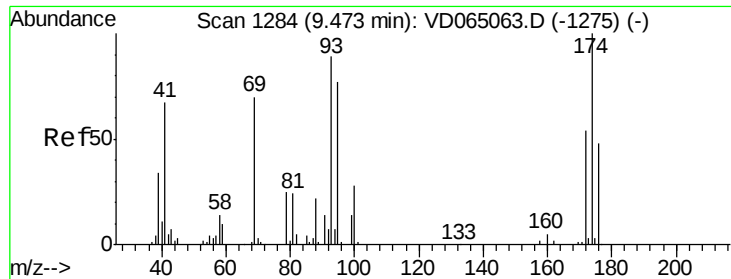
Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Tgt Ion:	41	Resp:	48734
Ion Ratio	Lower	Upper	
41	100		
69	86.0	67.5	101.3
39	58.5	47.0	70.4





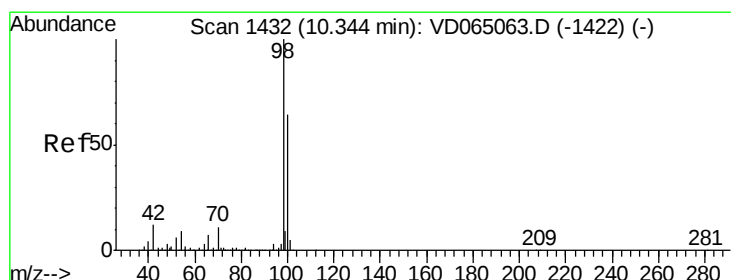
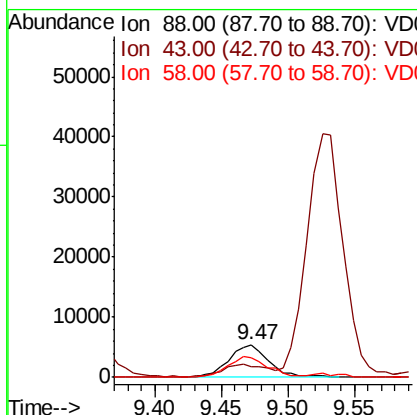
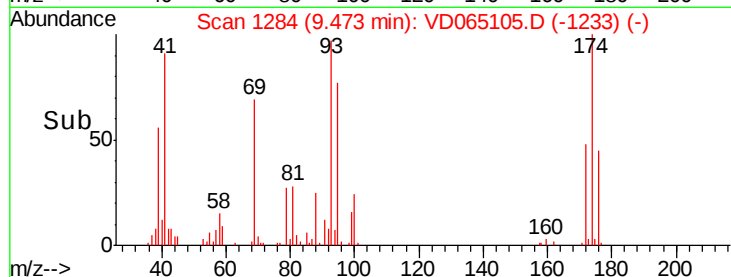
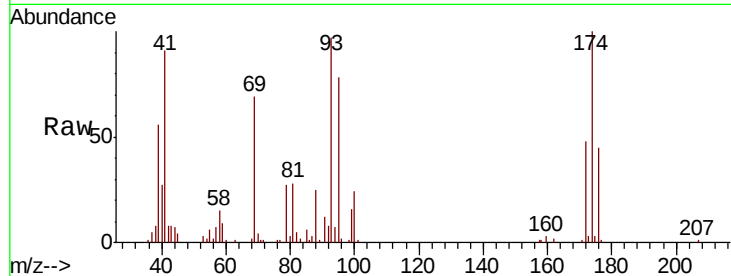
#49
1,4-Dioxane
Concen: 449.829 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	88	Resp	11168
Ion Ratio	Lower	Upper	
88	100		
43	45.9	27.7	41.5#
58	66.4	55.5	83.3

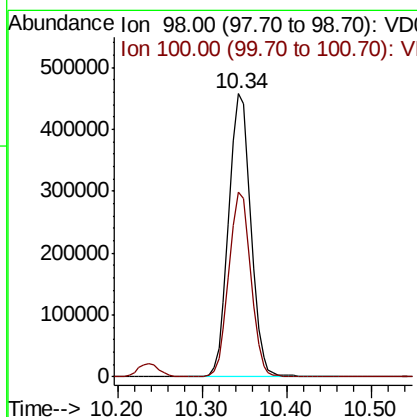
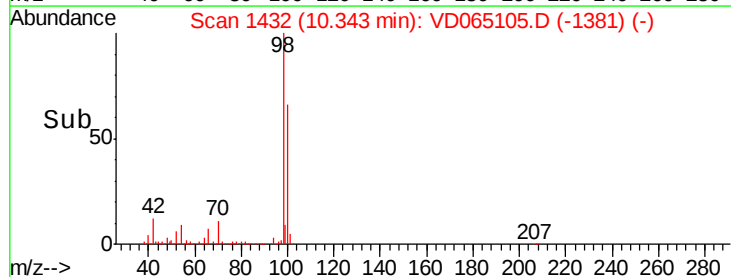
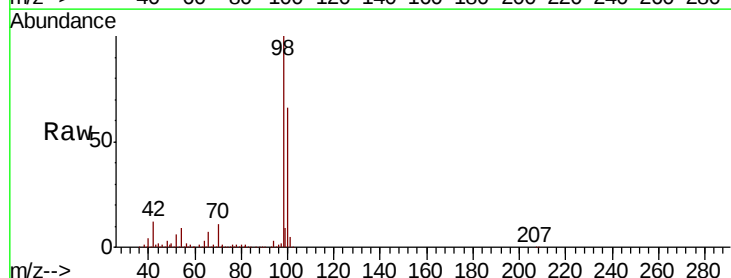
Manual Integrations
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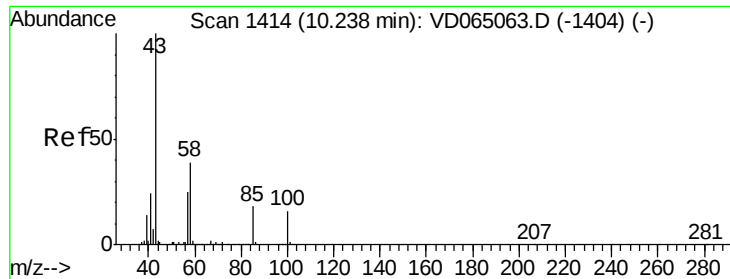
MMDadoda
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#50
Toluene-d8
Concen: 57.444 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	98	Resp	826569
Ion Ratio	Lower	Upper	
98	100		
100	64.9	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 111.262 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 43 Resp: 257856

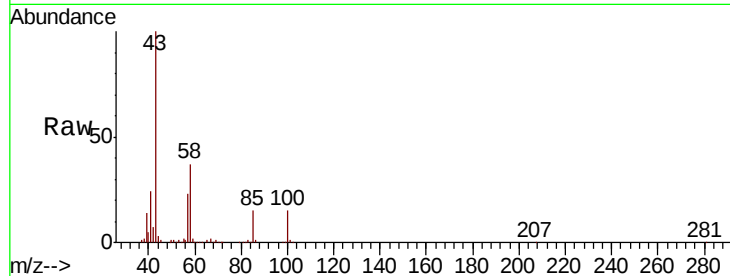
Ion Ratio Lower Upper

43 100

58 37.1 30.2 45.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

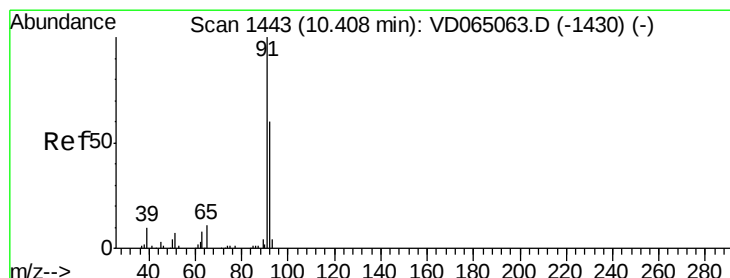
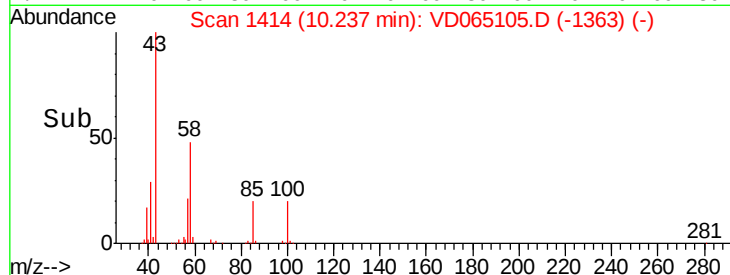
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.233 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065105.D

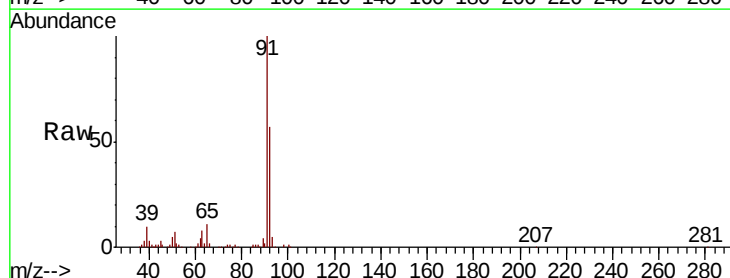
Acq: 07 Feb 2020 12:57

Tgt Ion: 92 Resp: 236091

Ion Ratio Lower Upper

92 100

91 174.8 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

250000

200000

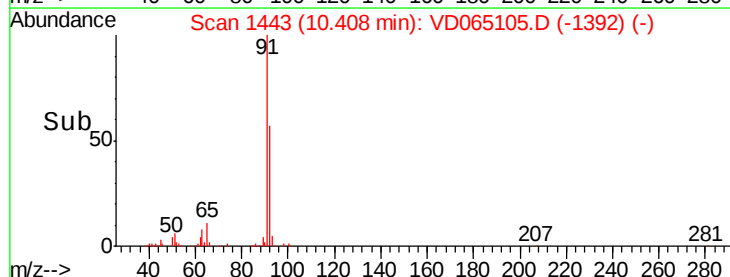
150000

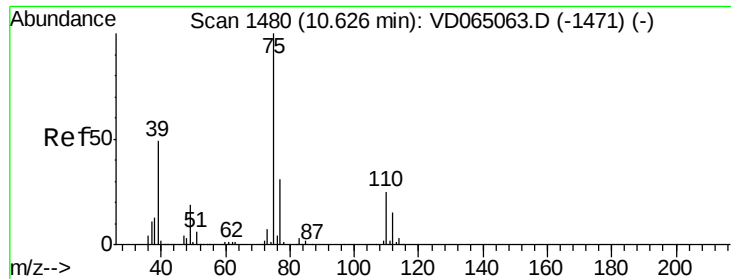
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.976 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 75 Resp: 118177

Ion Ratio Lower Upper

75 100

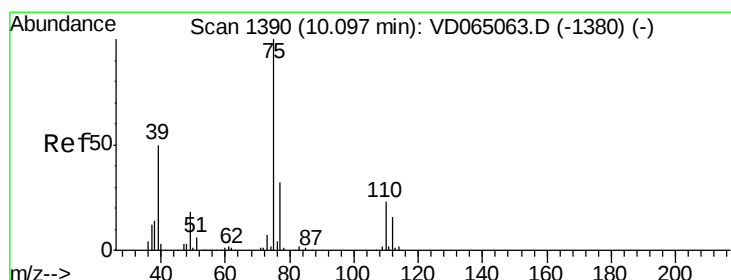
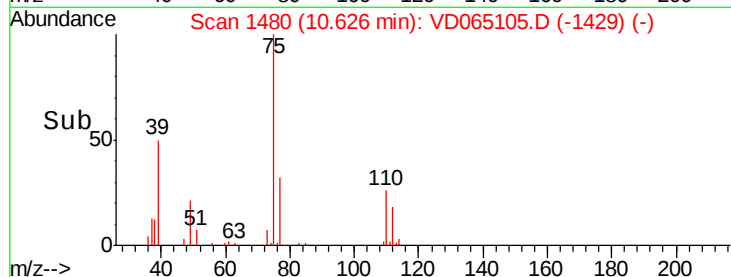
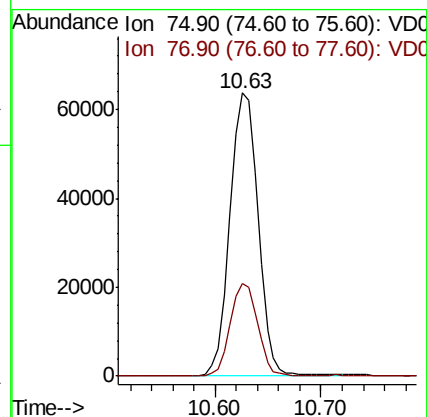
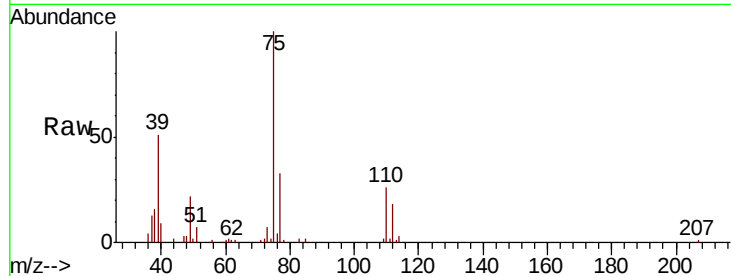
77 32.5 24.9 37.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.998 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

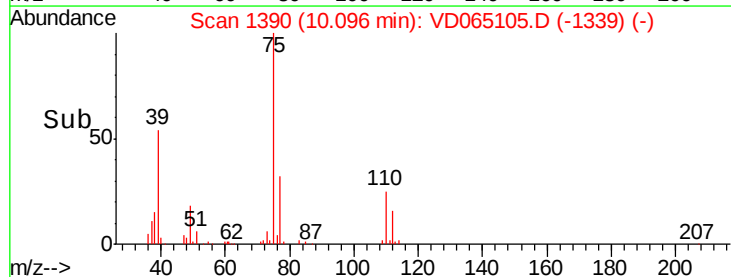
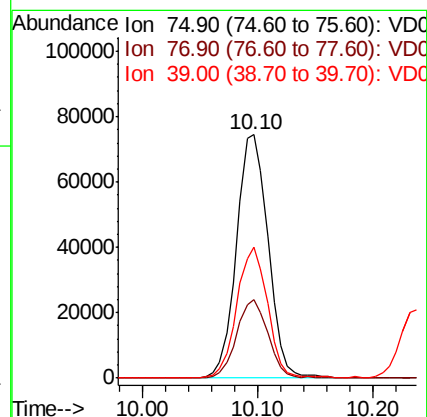
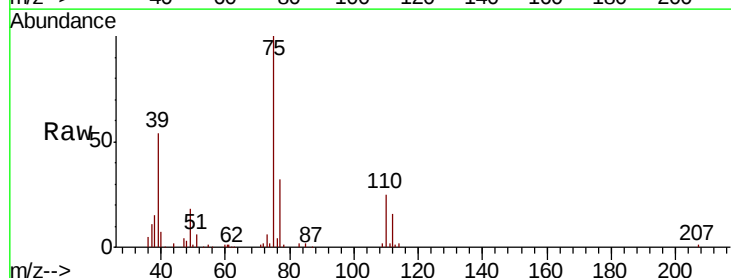
Tgt Ion: 75 Resp: 141479

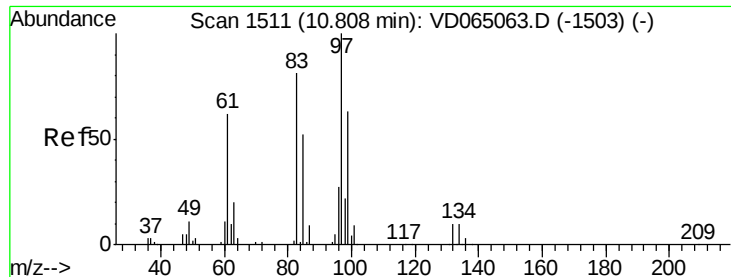
Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

39 53.8 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 22.685 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

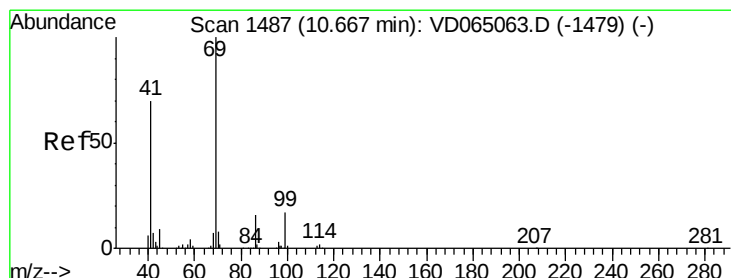
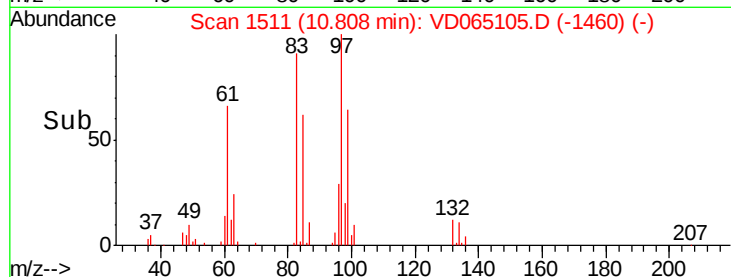
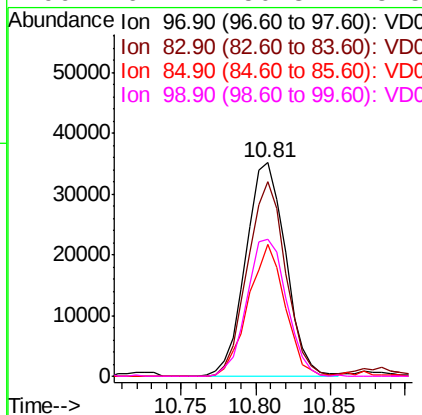
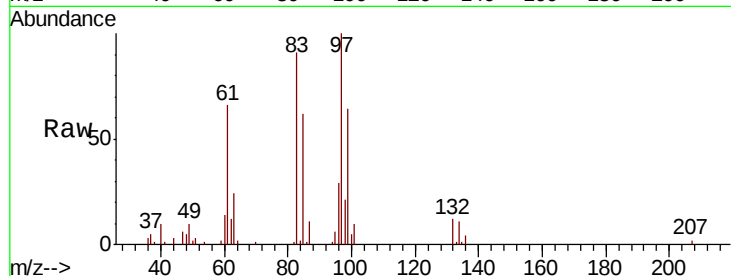
ClientSampleId :

VD0207SBSD01

Tot Ion:	97	Resp:	65224
Ion	Ratio	Lower	Upper
97	100		
83	90.8	64.8	97.2
85	61.5	41.2	61.8
99	64.4	50.3	75.5

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#56

Ethyl methacrylate

Concen: 21.221 ug/l

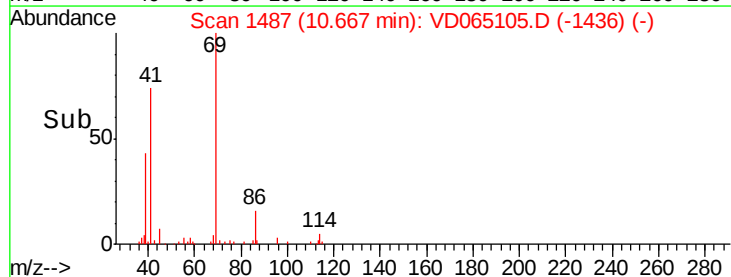
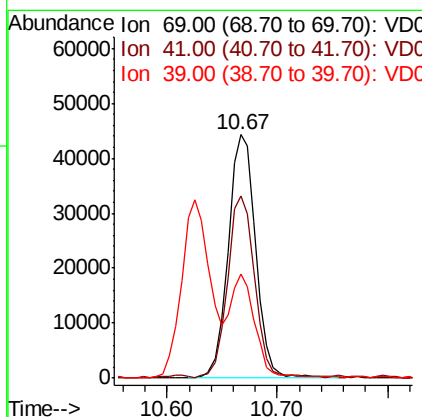
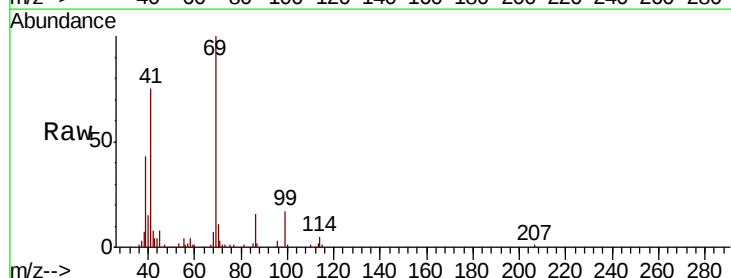
RT: 10.67 min Scan# 1487

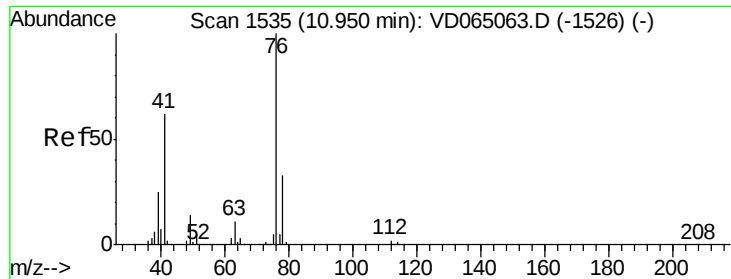
Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Tgt Ion:	69	Resp:	77200
Ion	Ratio	Lower	Upper
69	100		
41	74.6	55.9	83.9
39	38.4	29.4	44.0





#57

1,3-Dichloropropane

Concen: 22.678 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBSD01

Tot Ion: 76 Resp: 114656

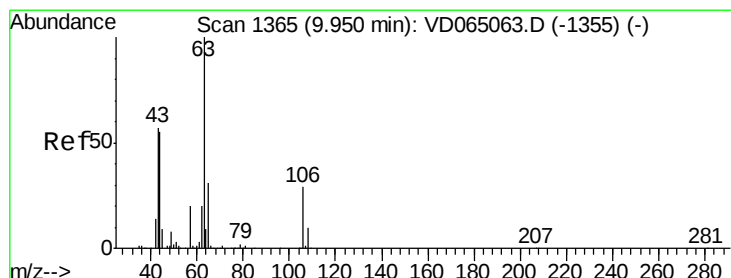
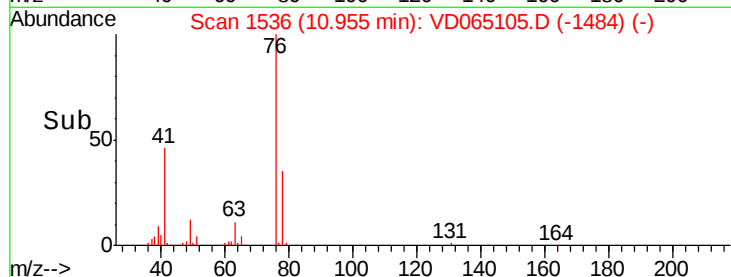
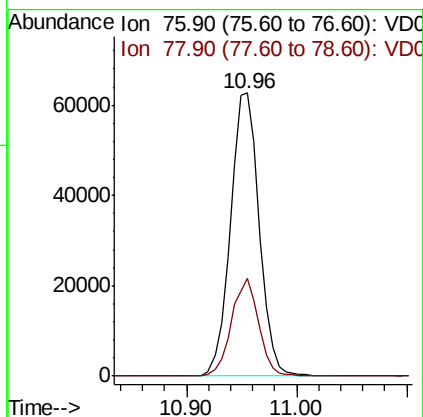
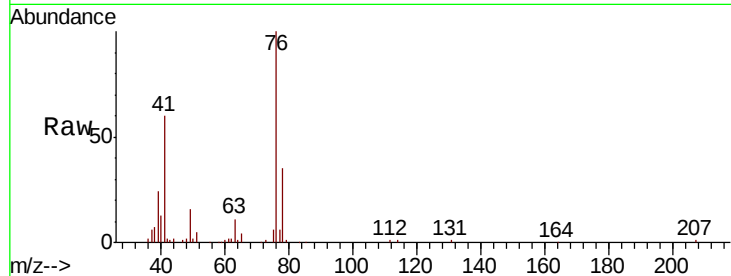
Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 90.129 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065105.D

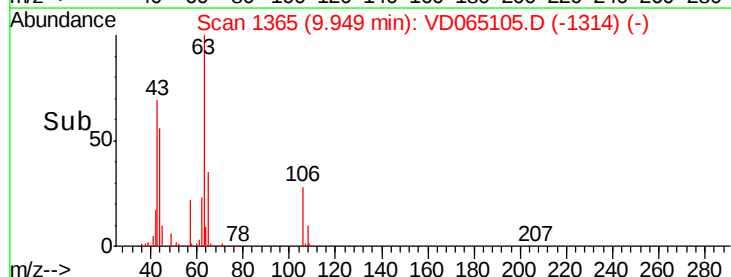
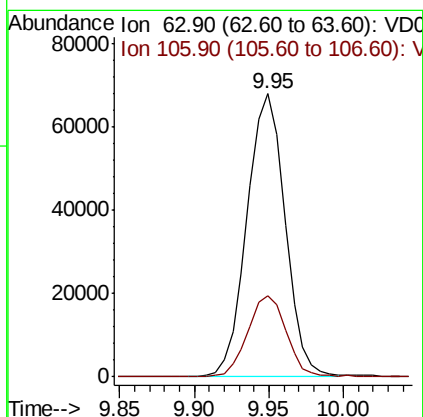
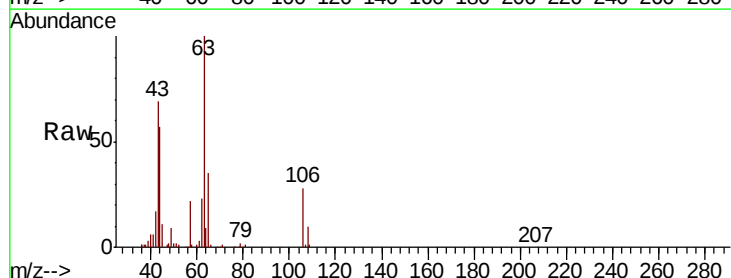
Acq: 07 Feb 2020 12:57

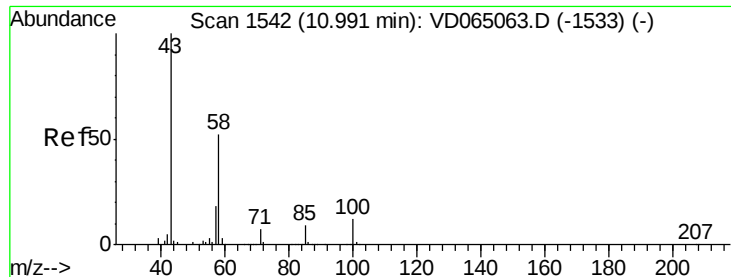
Tgt Ion: 63 Resp: 120223

Ion Ratio Lower Upper

63 100

106 29.2 23.3 34.9





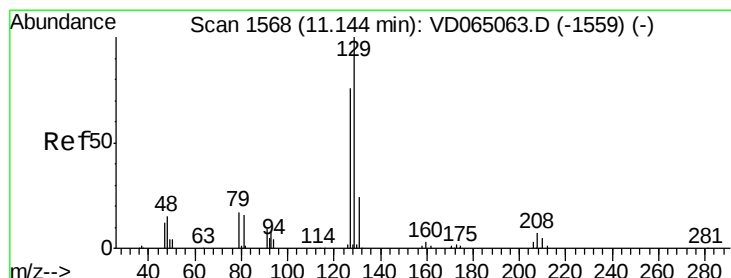
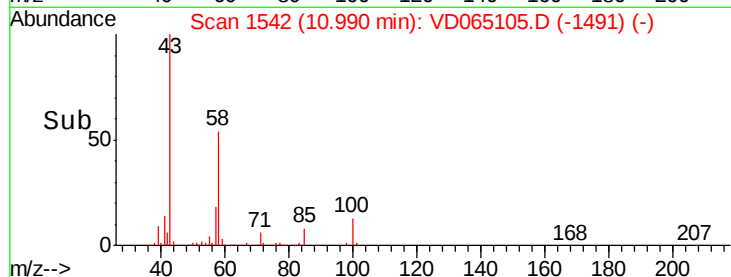
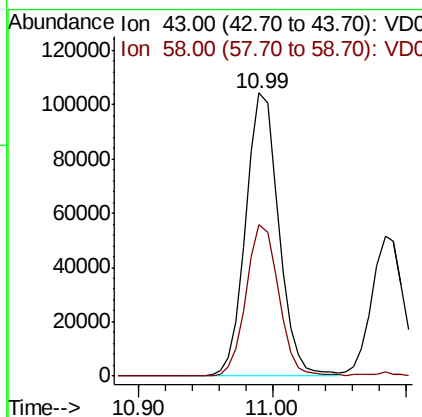
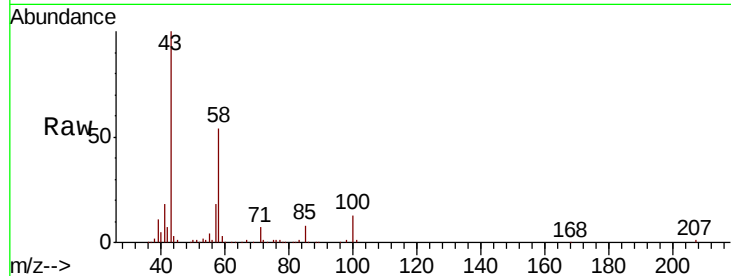
#59
2-Hexanone
Concen: 108.928 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion: 43 Resp: 178814
Ion Ratio Lower Upper
43 100
58 52.6 26.2 78.6

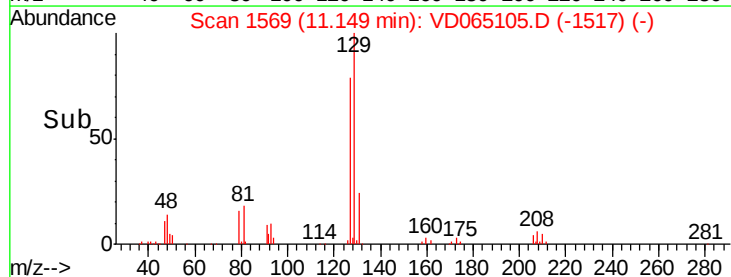
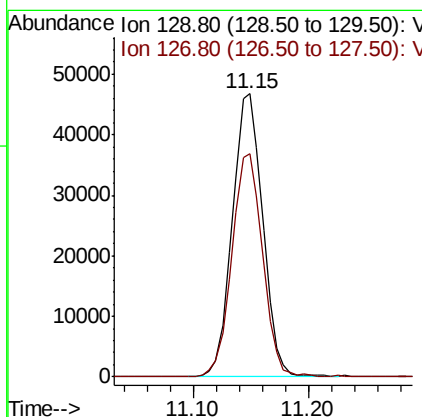
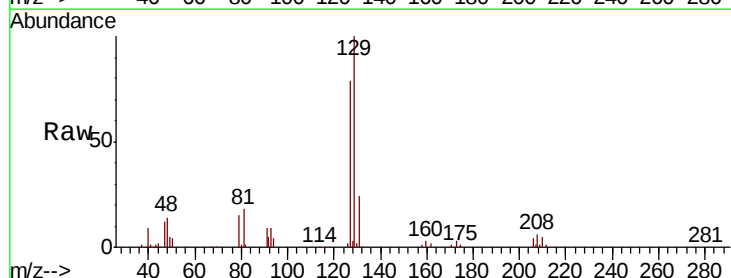
Manual Integrations
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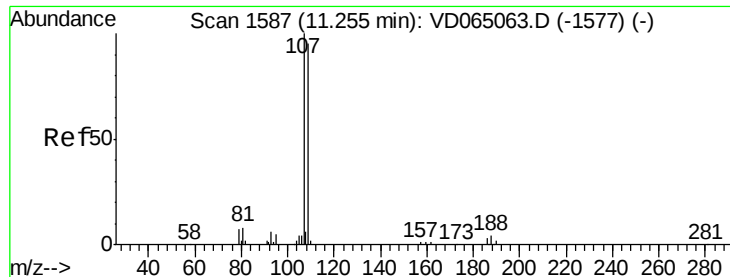
MMDadoda
2/10/2020 5:40:05 PM



#60
Dibromochloromethane
Concen: 22.928 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion: 129 Resp: 85386
Ion Ratio Lower Upper
129 100
127 79.3 38.3 114.9





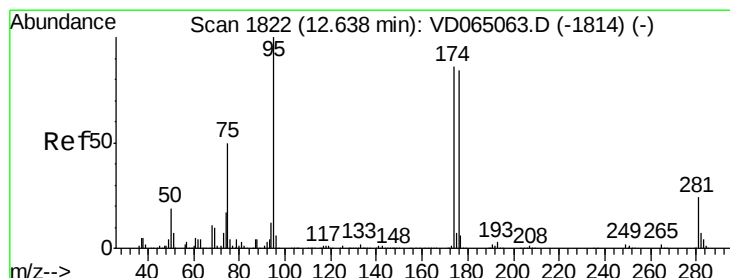
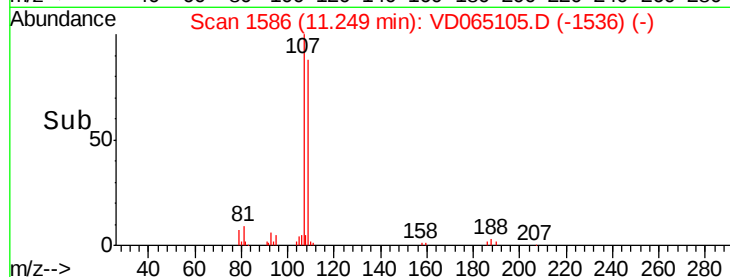
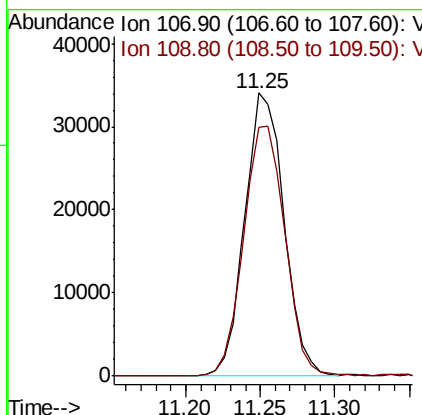
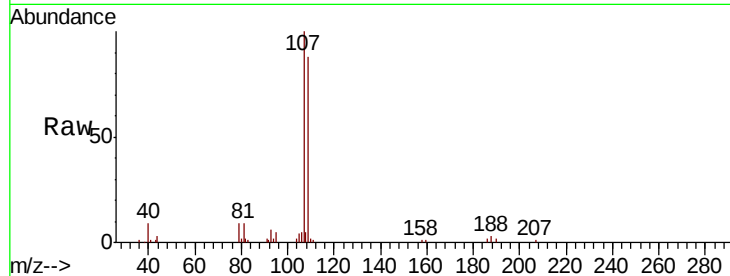
#61
 1,2-Dibromoethane
 Concen: 22.088 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.5	113.3

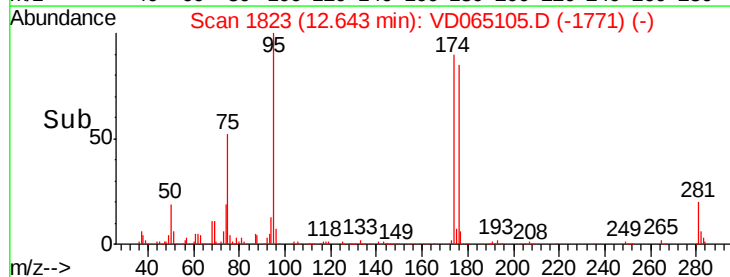
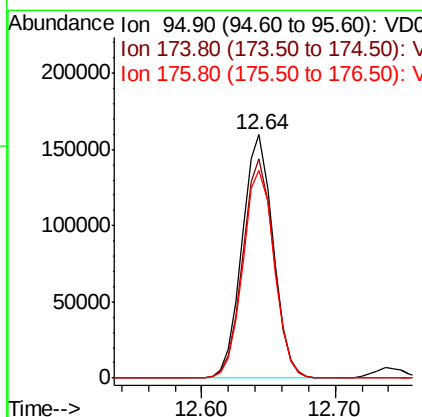
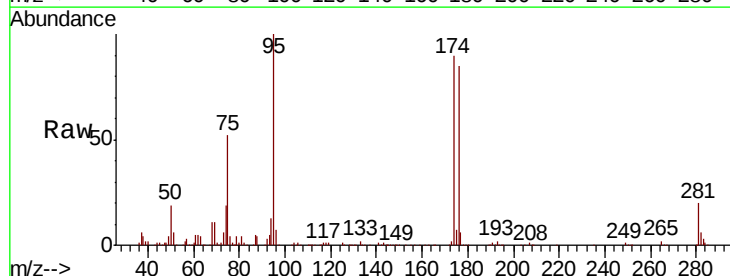
Manual Integrations
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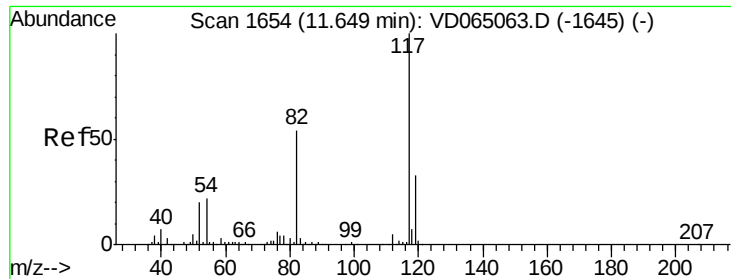
MMDadoda
 2/10/2020 5:40:05 PM



#62
 4-Bromofluorobenzene
 Concen: 56.130 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	180.0
176	86.5	0.0	173.2





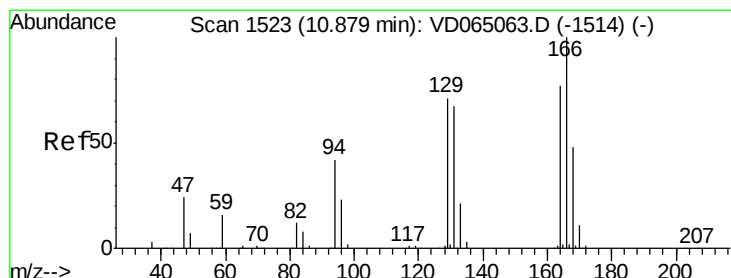
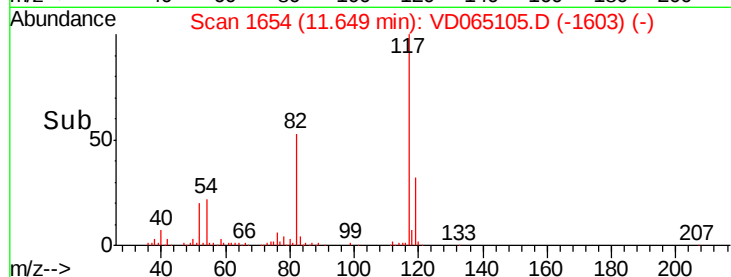
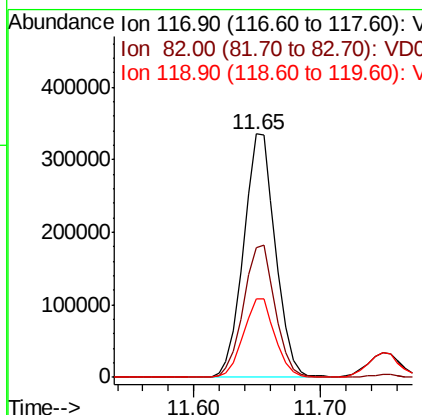
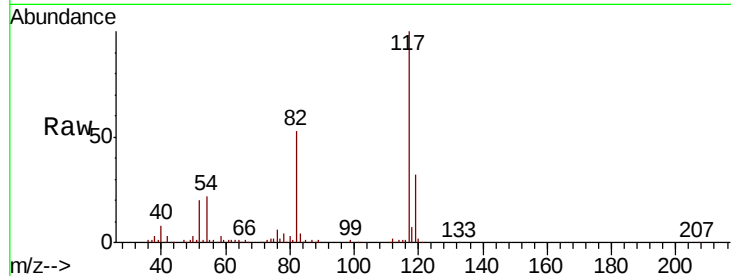
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.1	64.7
119	32.2	26.0	39.0

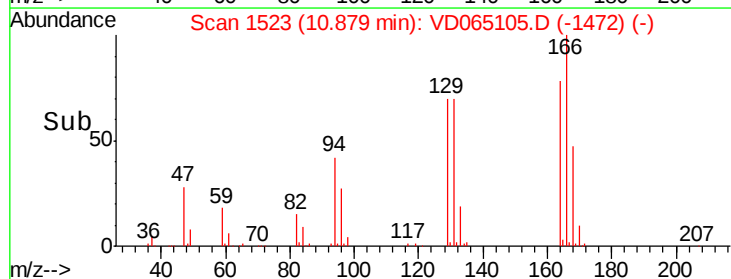
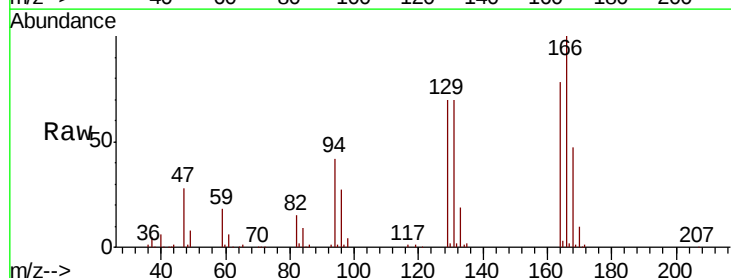
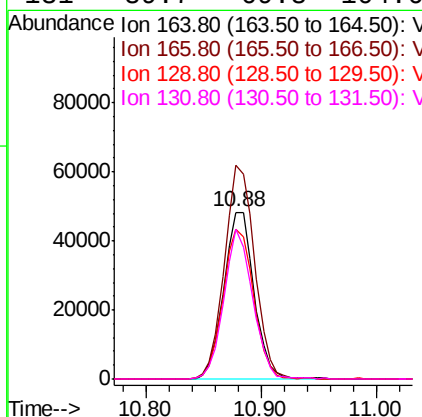
Manual Integrations
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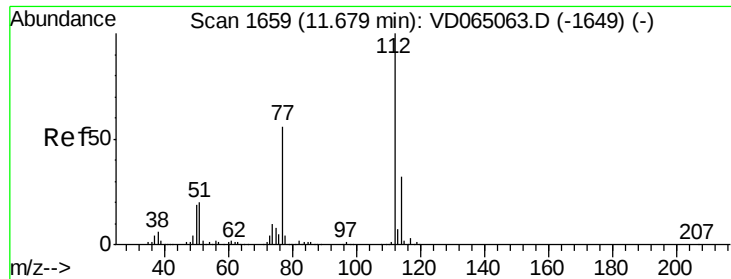
MMDadoda
2/10/2020 5:40:05 PM



#64
Tetrachloroethene
Concen: 20.863 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	103.5	155.3
129	89.6	73.3	109.9
131	89.7	69.8	104.6





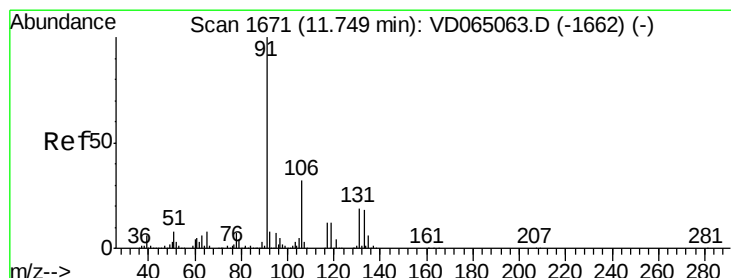
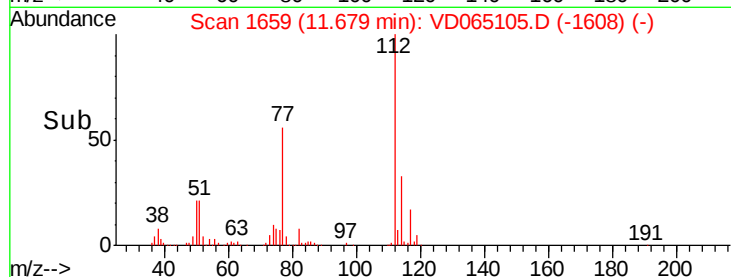
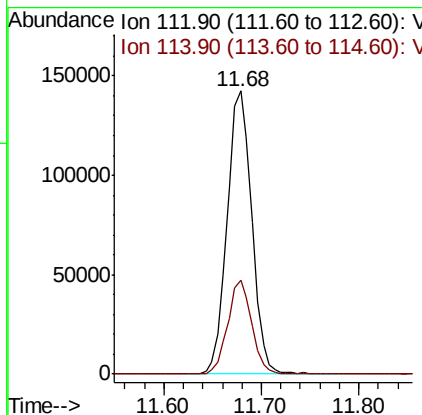
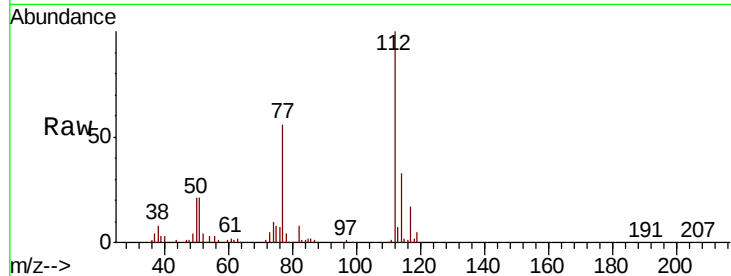
#65
Chlorobenzene
Concen: 22.042 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	249728		
114	33.2	25.4	38.0	

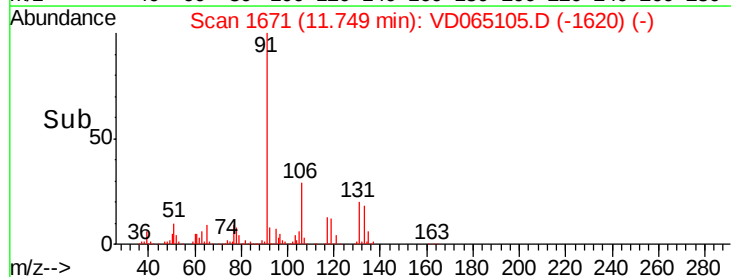
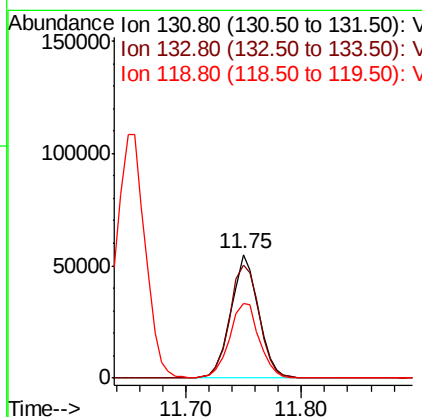
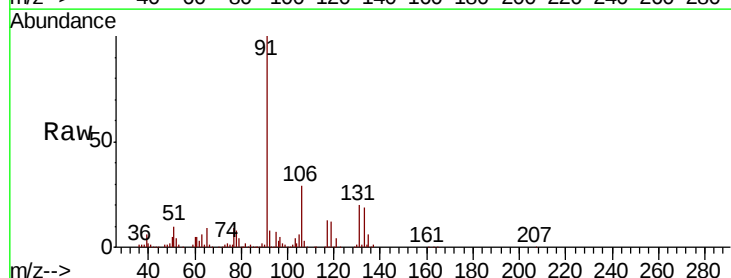
Manual Integrations
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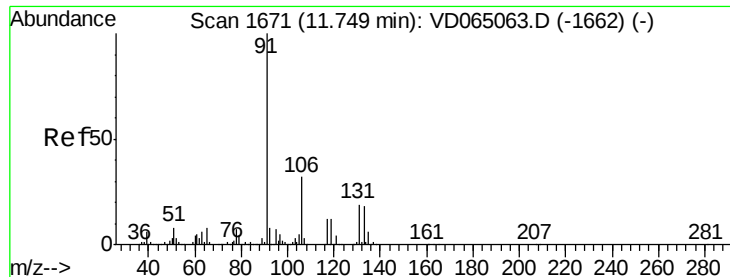
MMDadoda
2/10/2020 5:40:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.725 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	90843		
133	98.4	47.7	143.1	
119	65.8	31.3	93.8	





#67

Ethyl Benzene

Concen: 21.582 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 91 Resp: 444237

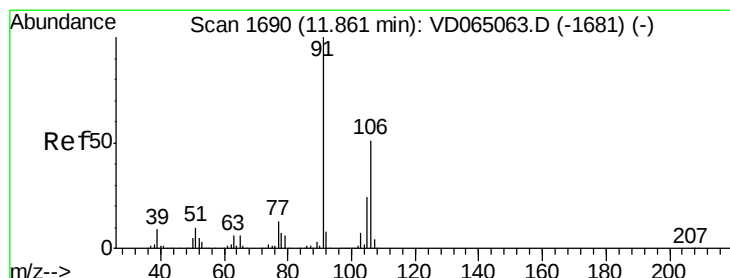
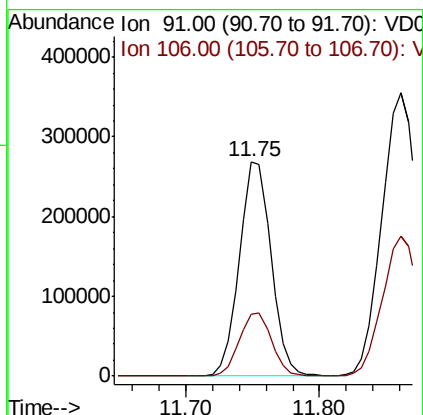
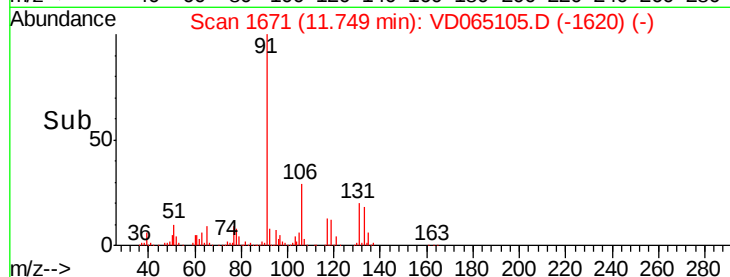
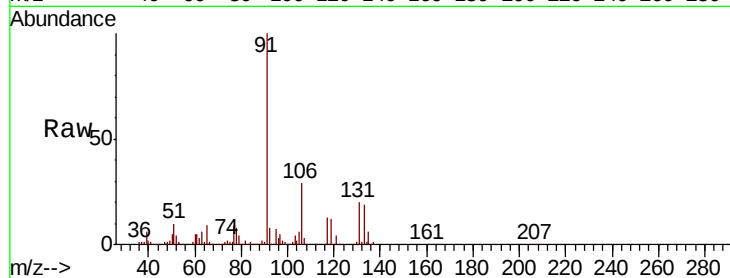
Ion Ratio Lower Upper

91 100

106 28.7 25.4 38.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 42.824 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065105.D

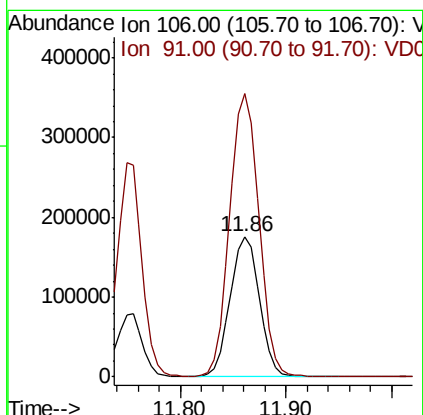
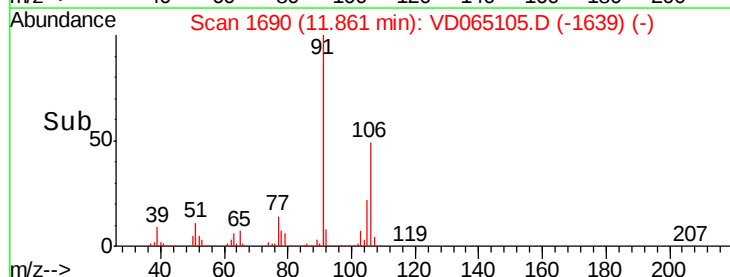
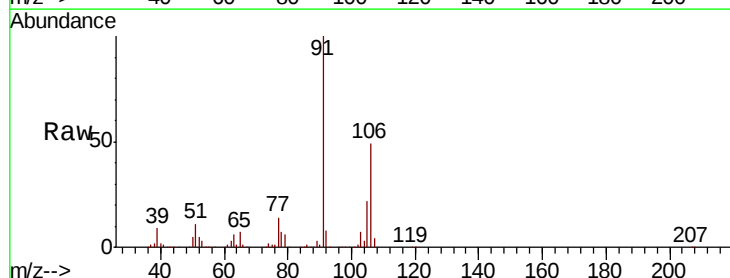
Acq: 07 Feb 2020 12:57

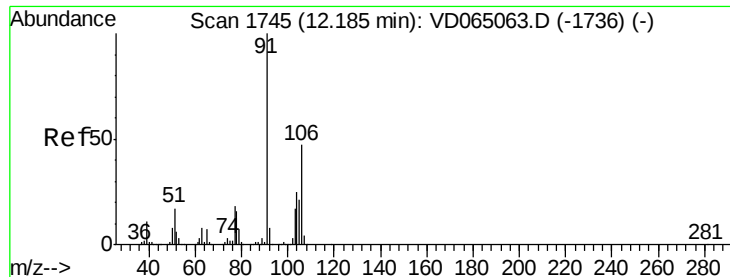
Tgt Ion: 106 Resp: 336438

Ion Ratio Lower Upper

106 100

91 202.0 158.9 238.3





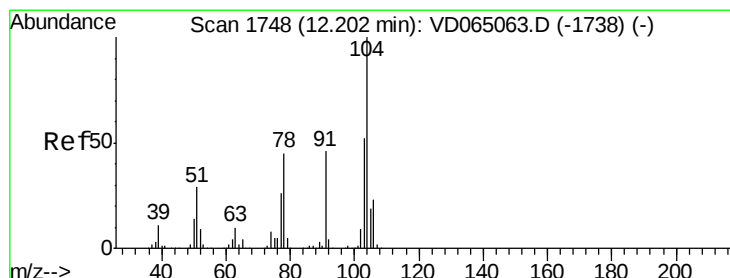
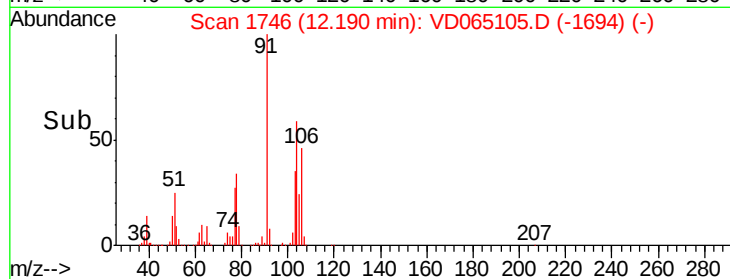
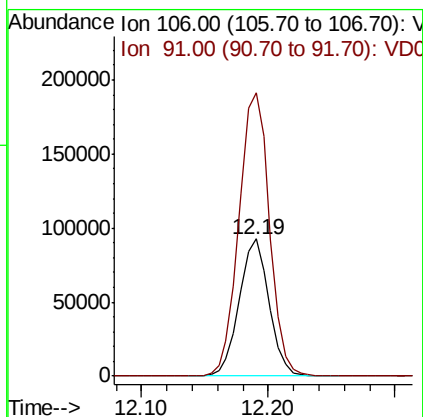
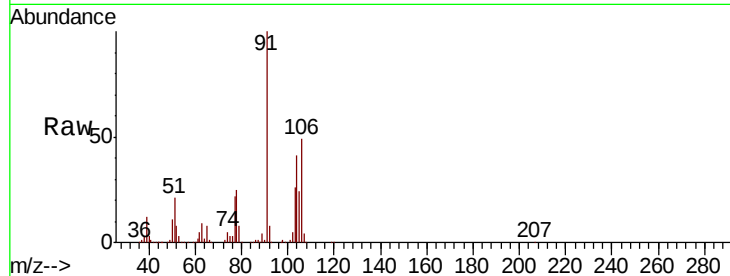
#69
o-Xylene
Concen: 21.305 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.3	104.7	313.9	

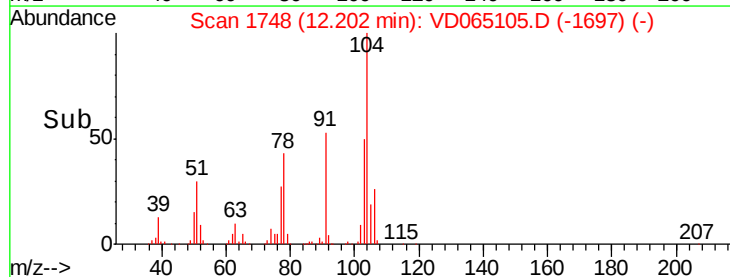
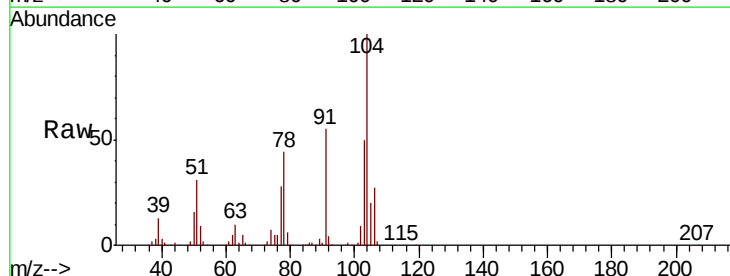
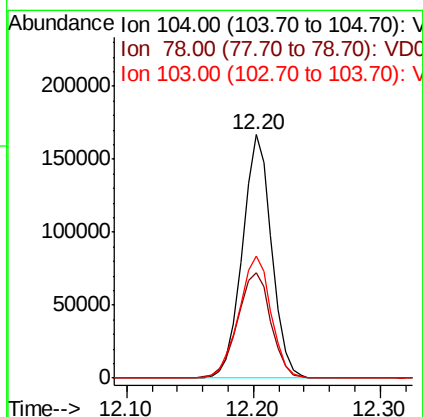
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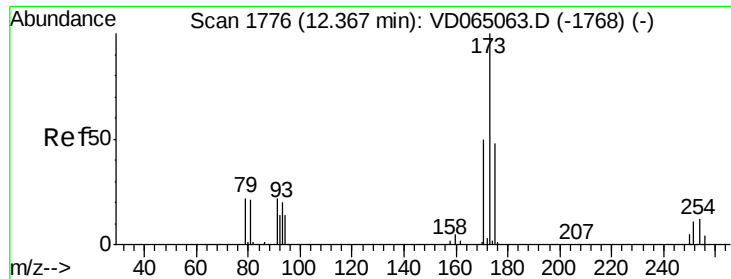
MMDadoda
2/10/2020 5:40:05 PM



#70
Styrene
Concen: 21.595 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.4	38.5	57.7	
103	55.3	43.8	65.8	





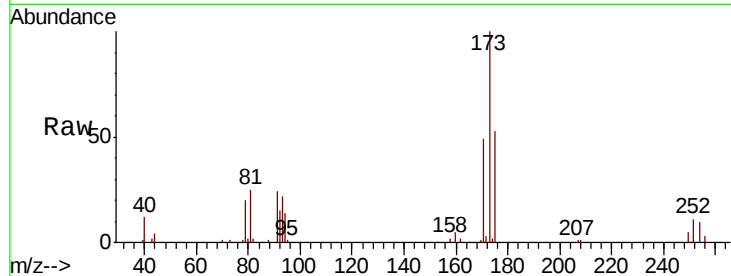
#71
Bromoform
Concen: 21.972 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

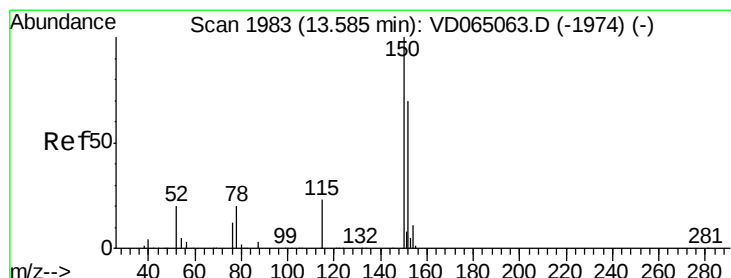
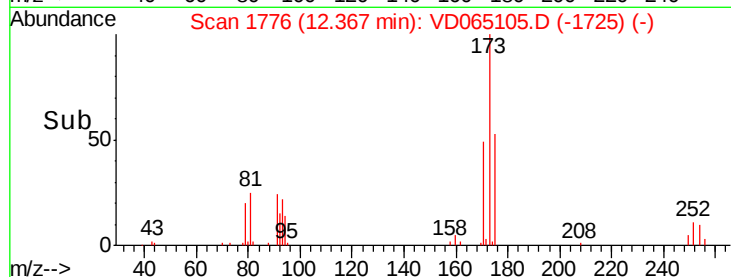
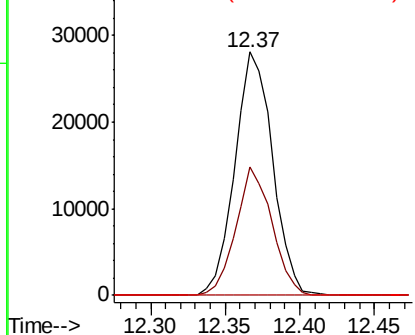
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.3	72.8
254	0.0	0.1	0.1#

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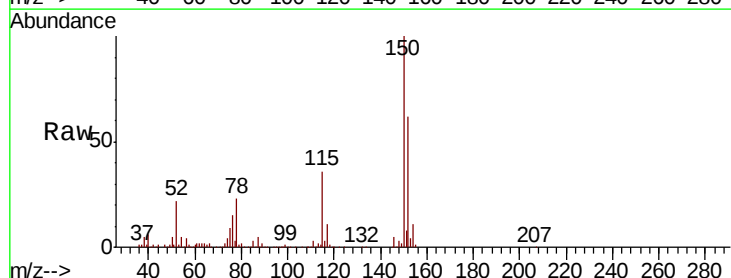


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

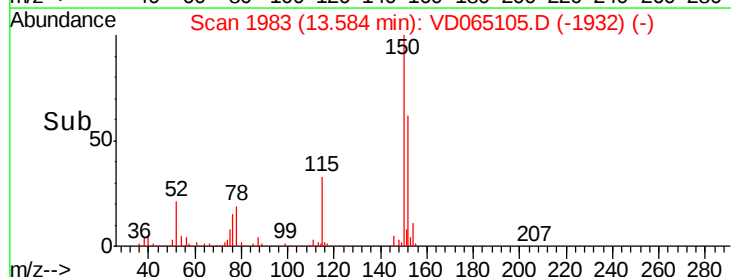
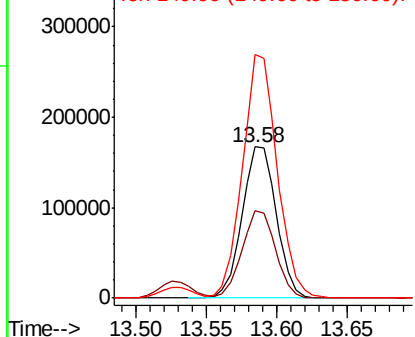


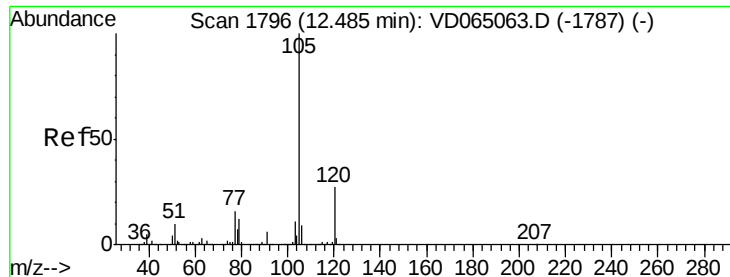
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.5	82.4
150	163.0	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: 21.018 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion:105 Resp: 410548

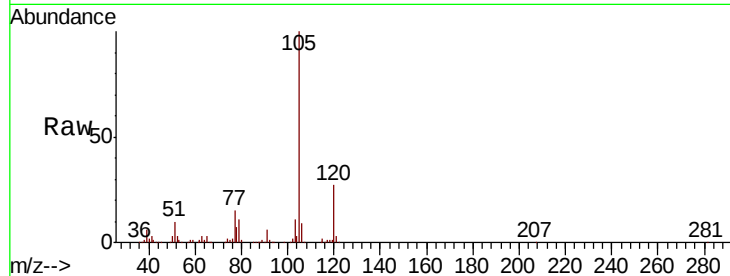
Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9

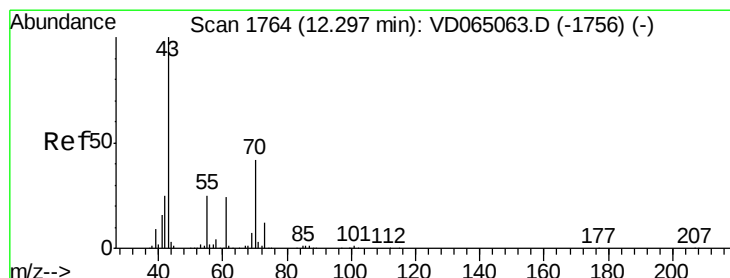
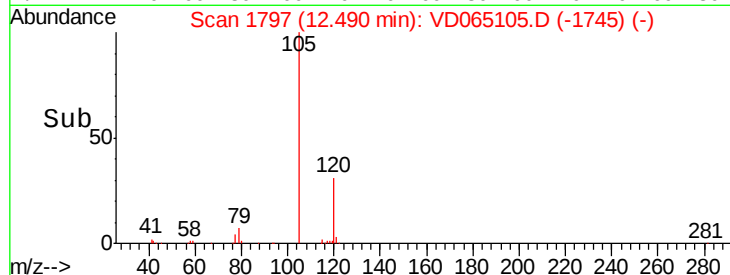
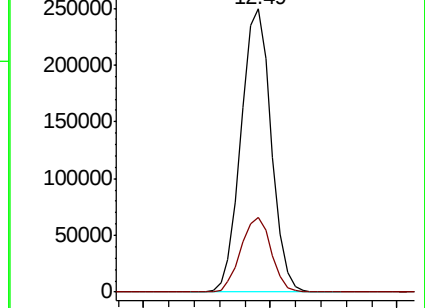
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.466 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Tgt Ion: 43 Resp: 91139

Ion Ratio Lower Upper

43 100

70 41.2 33.5 50.3

55 27.0 19.4 29.2

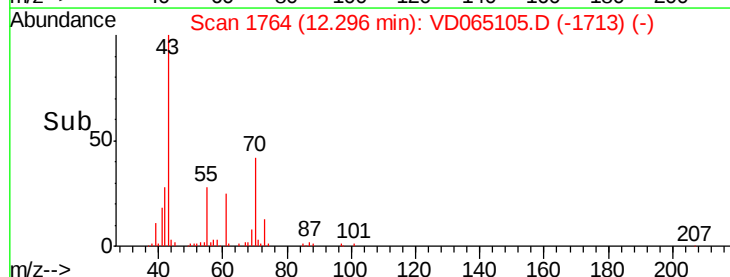
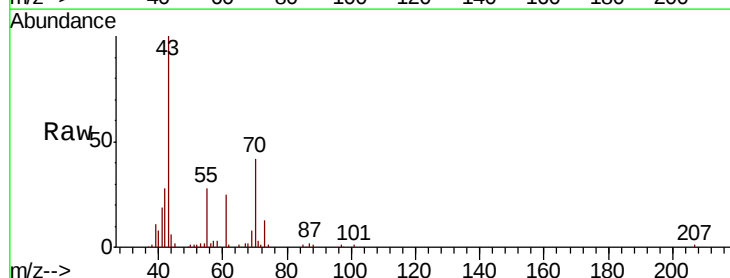
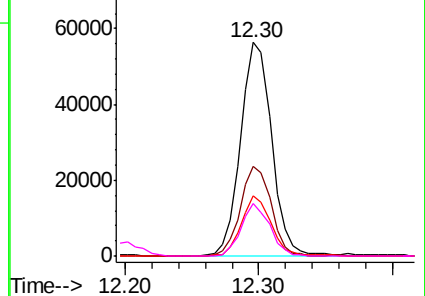
61 22.4 18.6 28.0

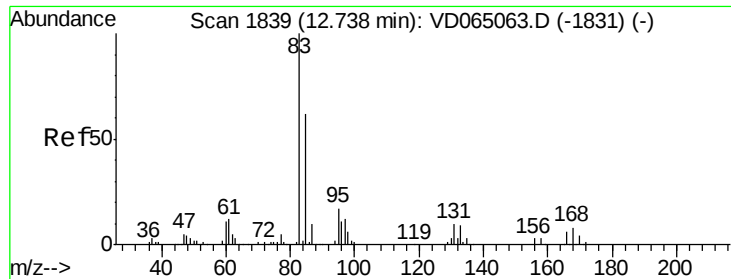
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 22.973 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

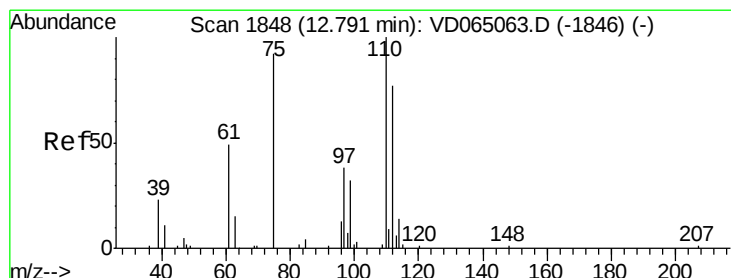
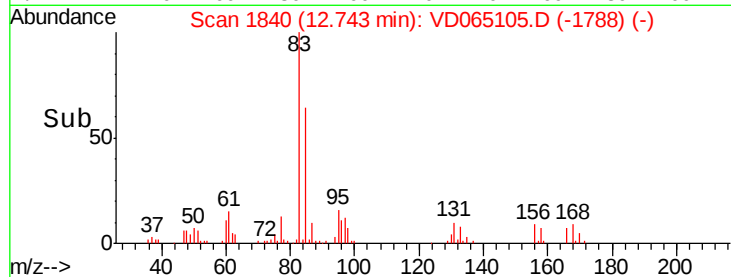
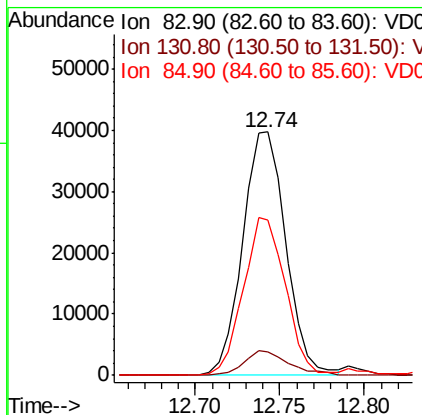
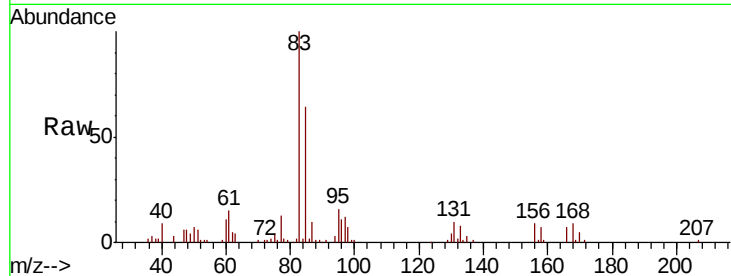
ClientSampleId :

VD0207SBS01

Tot Ion:	83	Resp:	70623
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.5	16.4
85	63.1	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 23.543 ug/l m

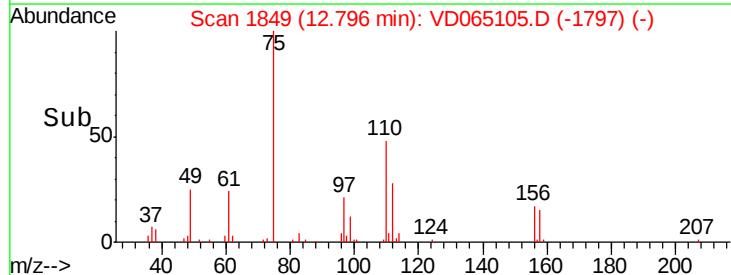
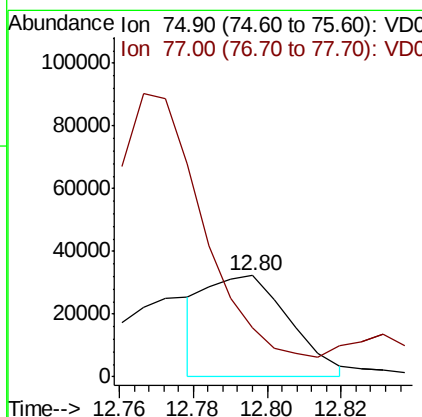
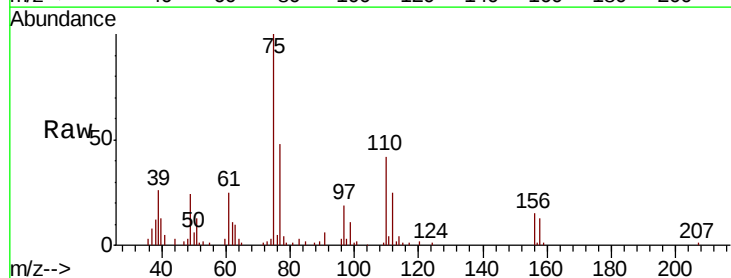
RT: 12.80 min Scan# 1849

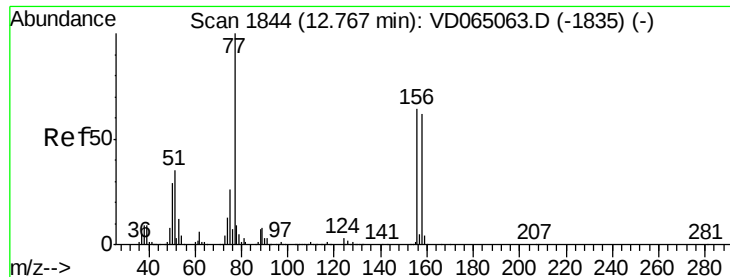
Delta R.T. 0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Tgt Ion:	75	Resp:	50727
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.164 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

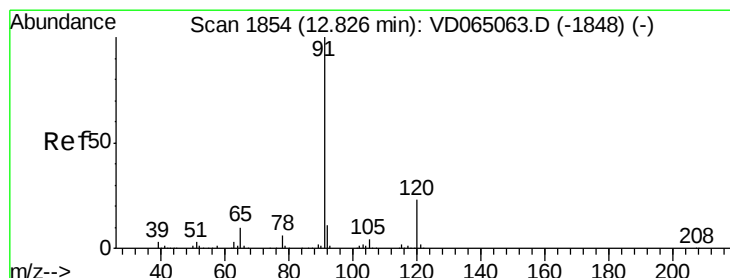
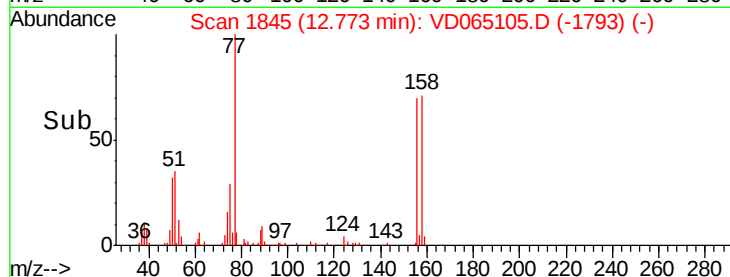
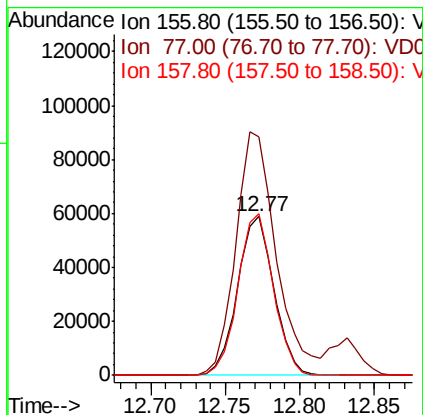
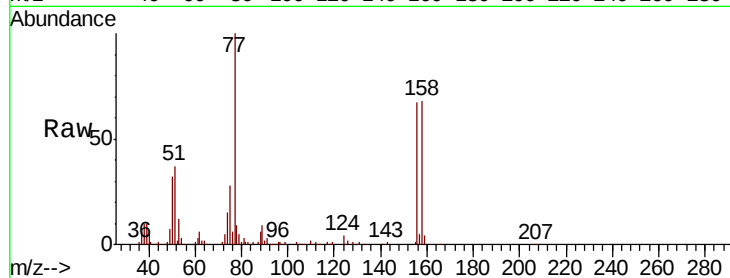
ClientSampleId :

VD0207SBS01

Tot Ion:	156	Resp:	99601
Ion Ratio	Lower	Upper	
156	100		
77	171.5	85.6	256.8
158	98.6	47.4	142.2

Manual Integrations
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2/10/2020 5:40:05 PM



#78

n-propylbenzene

Concen: 22.010 ug/l

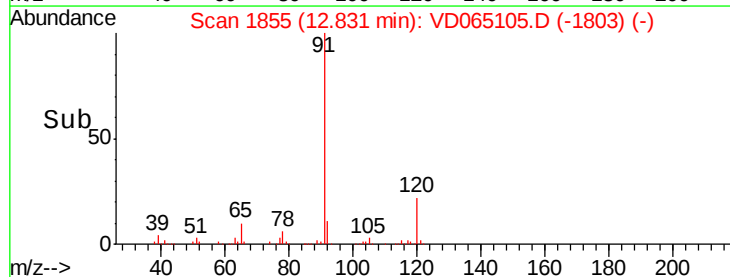
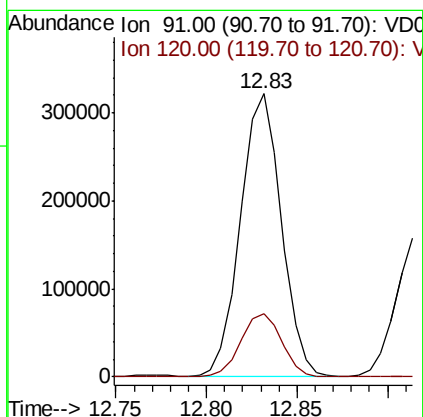
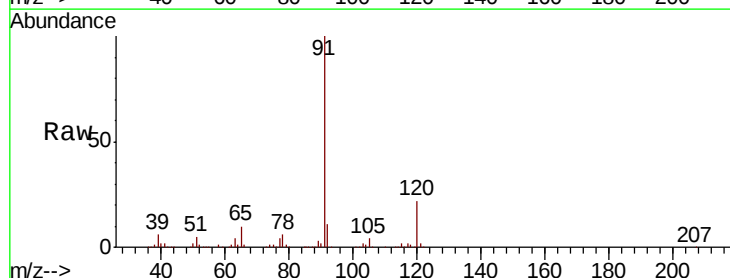
RT: 12.83 min Scan# 1855

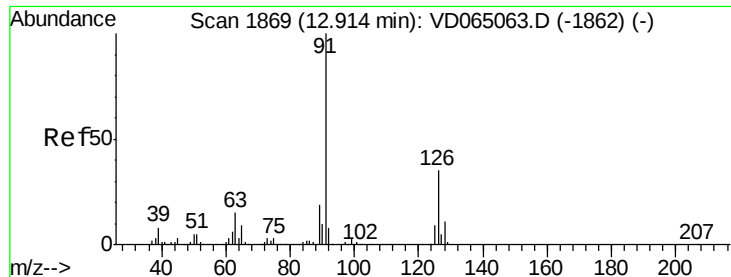
Delta R.T. 0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Tgt Ion:	91	Resp:	503491
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.8	35.3





#79

2-Chlorotoluene

Concen: 21.478 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.01 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 91 Resp: 273859

Ion Ratio Lower Upper

91 100

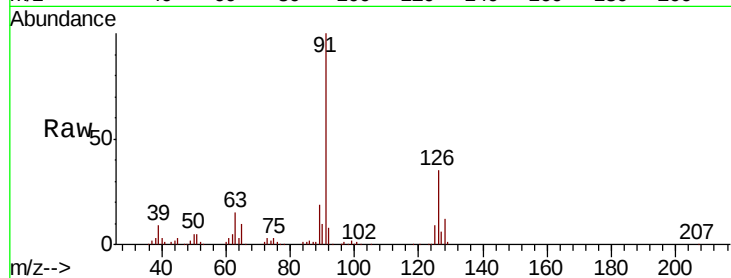
126 34.1 17.4 52.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD065105.D (-1870) (-)

Ion 125.90 (125.60 to 126.60): VD065105.D (-1870) (-)

300000

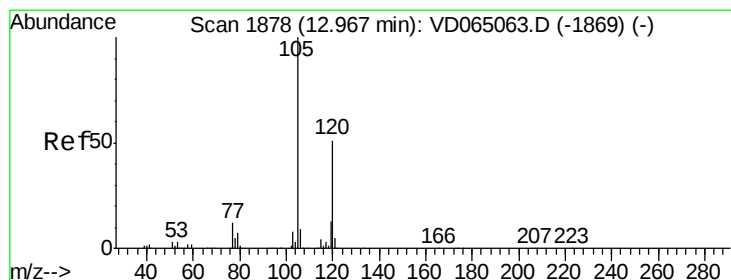
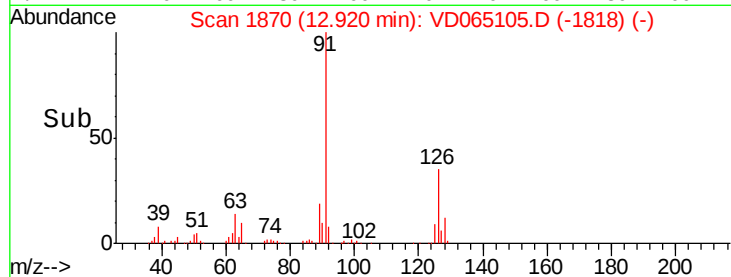
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.704 ug/l

RT: 12.97 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VD065105.D

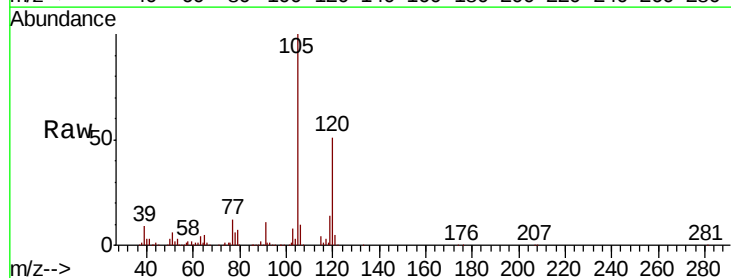
Acq: 07 Feb 2020 12:57

Tgt Ion: 105 Resp: 346830

Ion Ratio Lower Upper

105 100

120 49.4 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065105.D (-1878) (-)

Ion 120.00 (119.70 to 120.70): VD065105.D (-1878) (-)

250000

200000

150000

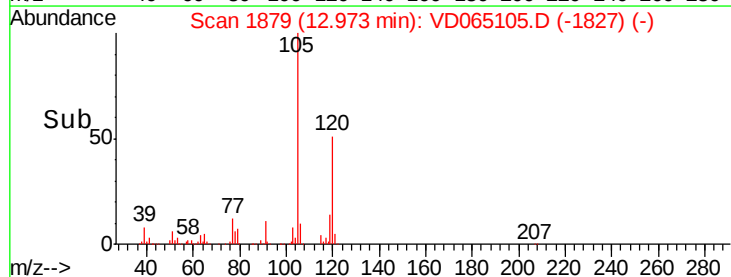
100000

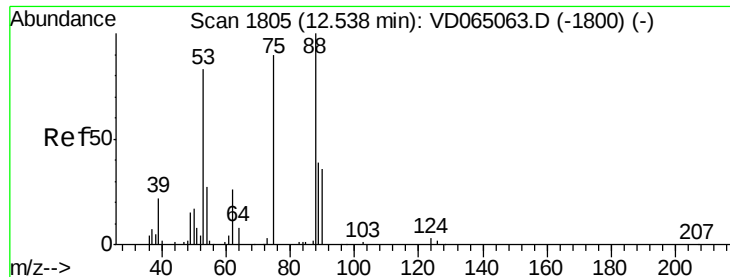
50000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.754 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065105.D

Acq: 07 Feb 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 75 Resp: 22360

Ion Ratio Lower Upper

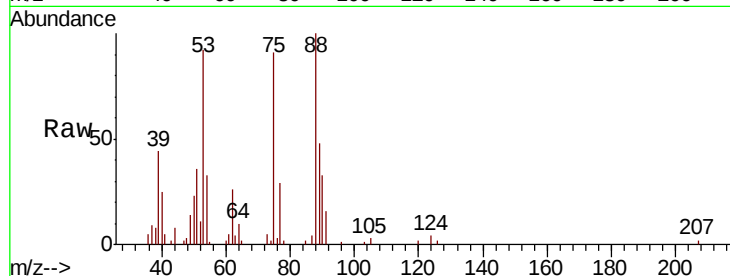
75 100

53 104.7 78.5 117.7

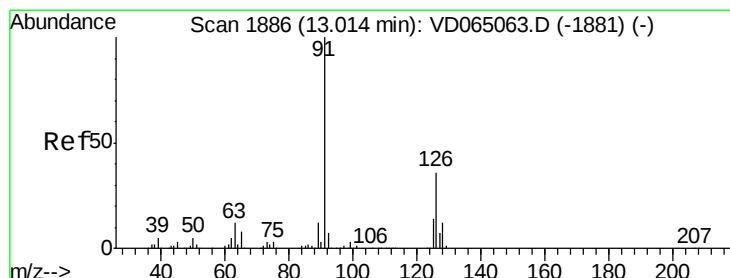
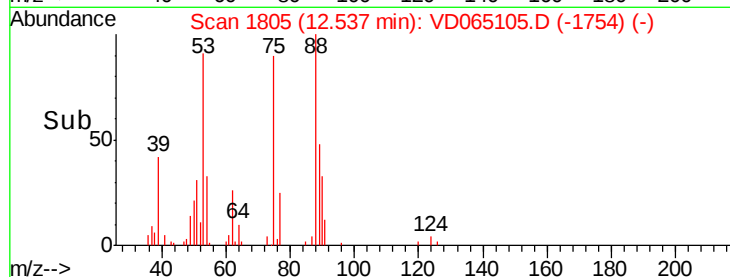
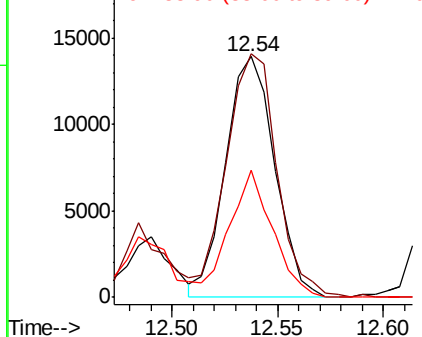
89 46.0 37.0 55.4

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Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.729 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065105.D

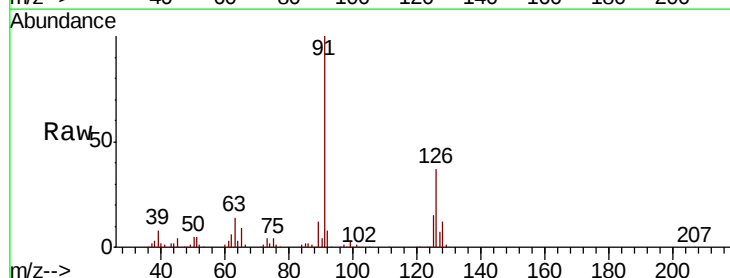
Acq: 07 Feb 2020 12:57

Tgt Ion: 91 Resp: 290983

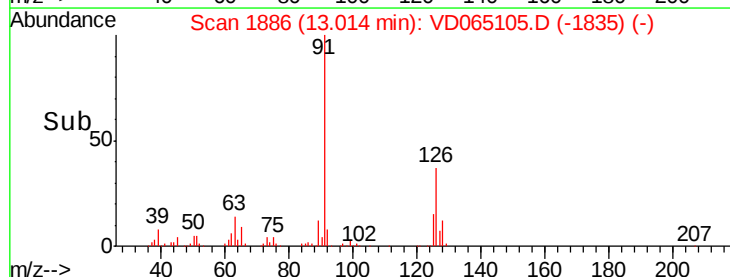
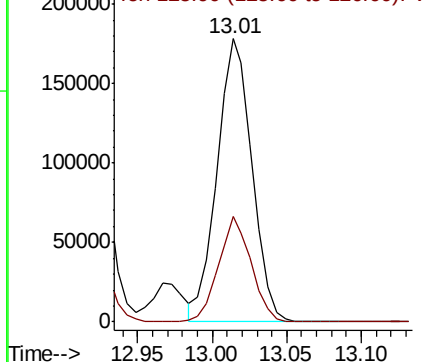
Ion Ratio Lower Upper

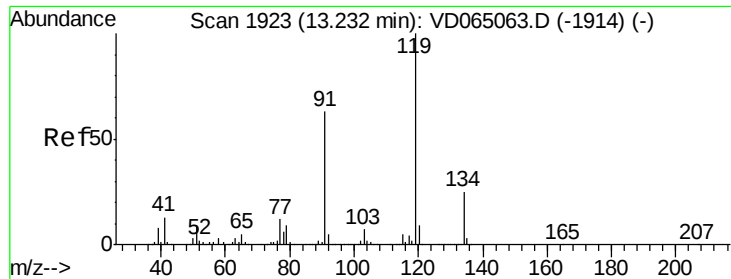
91 100

126 34.9 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V





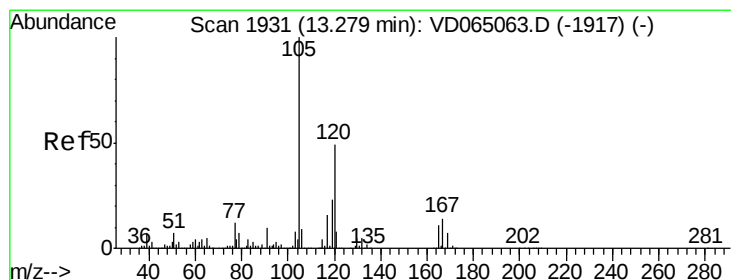
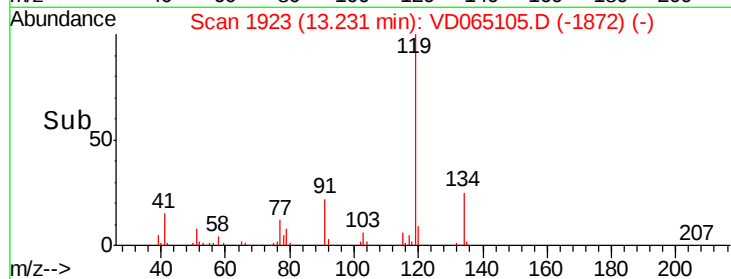
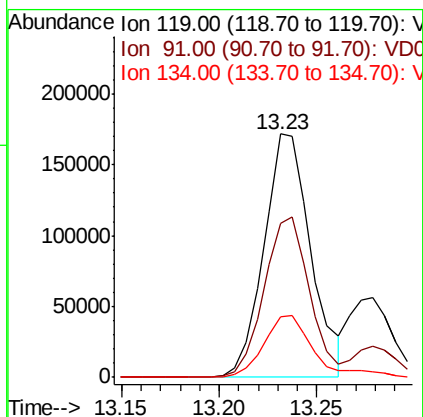
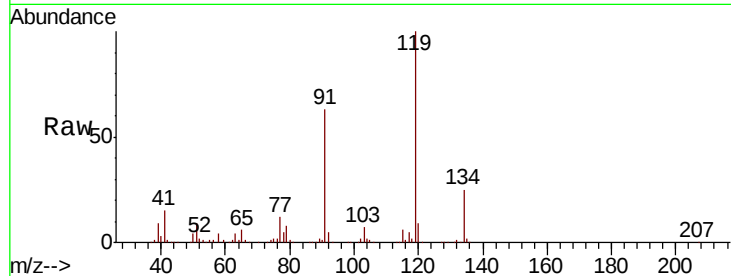
#83
tert-Butylbenzene
Concen: 20.801 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	286771		
91	63.6		32.3	96.9
134	27.3		13.8	41.3

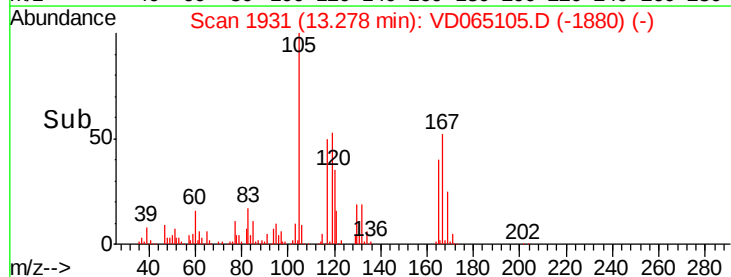
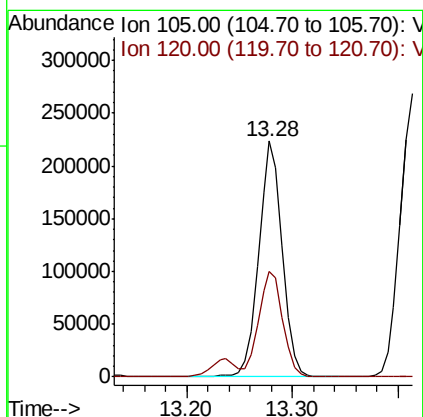
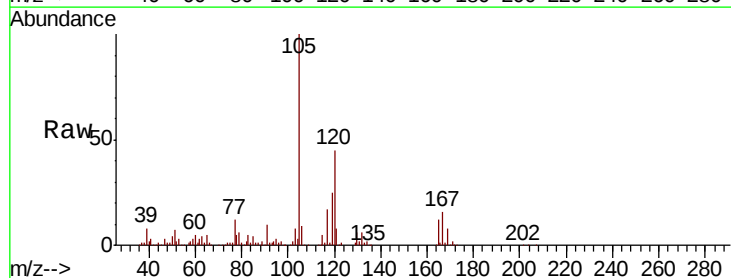
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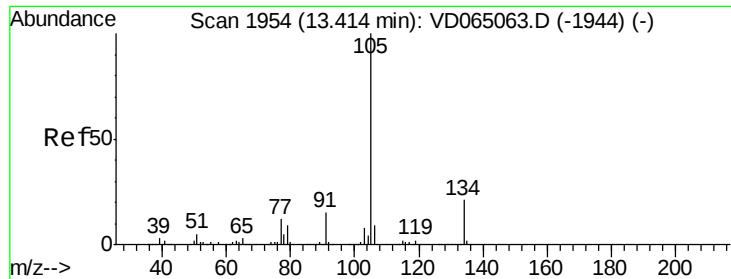
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.775 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	345464		
120	46.3		23.5	70.5





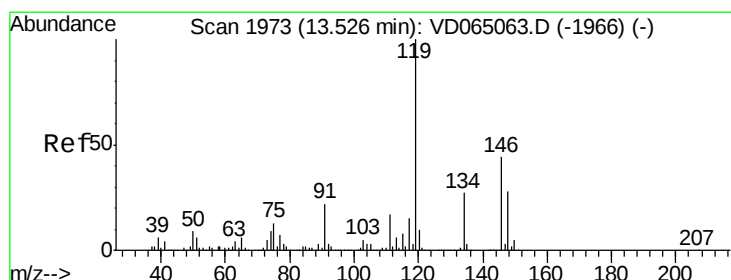
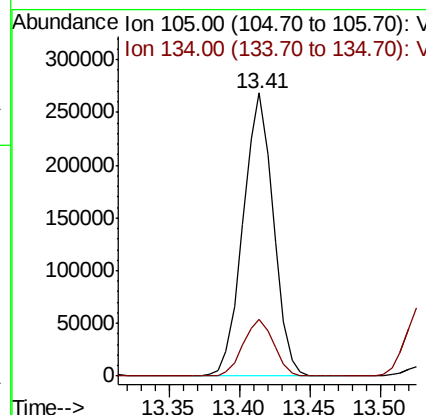
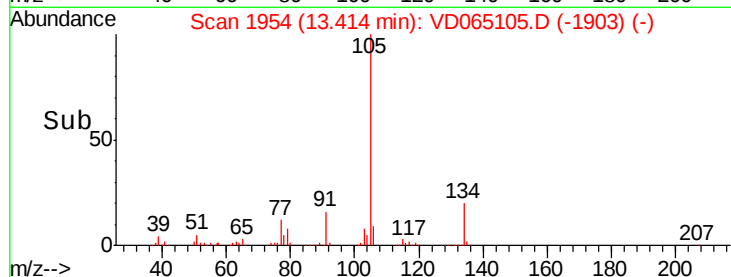
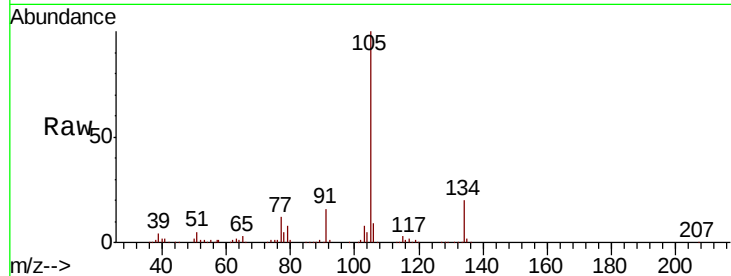
#85
 sec-Butylbenzene
 Concen: 21.434 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	403595		
134	20.4		10.4	31.1

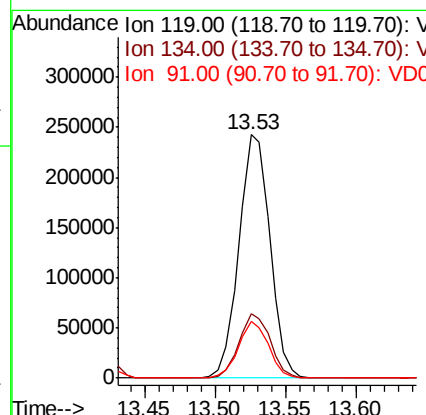
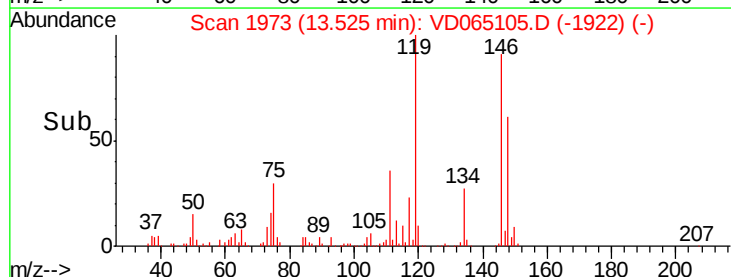
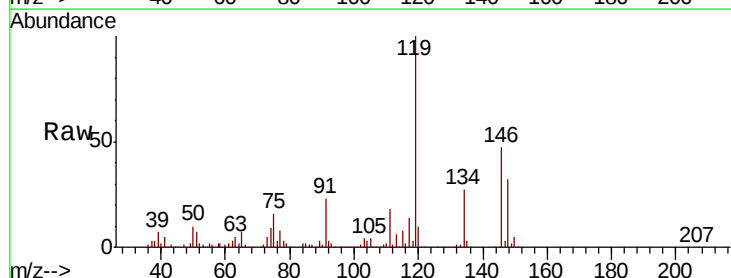
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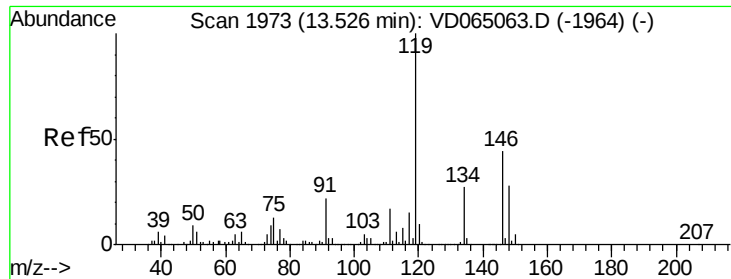
MMDadoda
 2/10/2020 5:40:05 PM



#86
 p-Isopropyltoluene
 Concen: 21.291 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	372488		
134	26.6		13.5	40.5
91	22.7		11.3	33.9





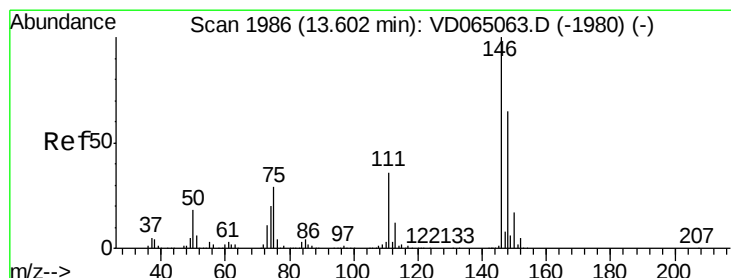
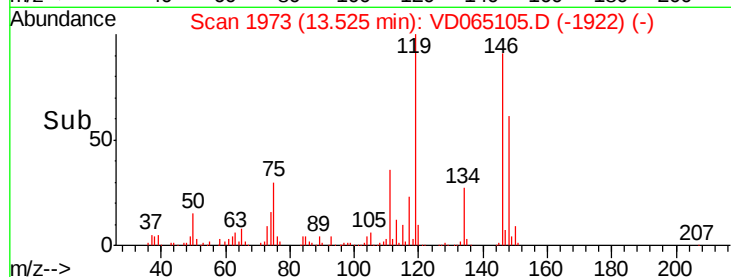
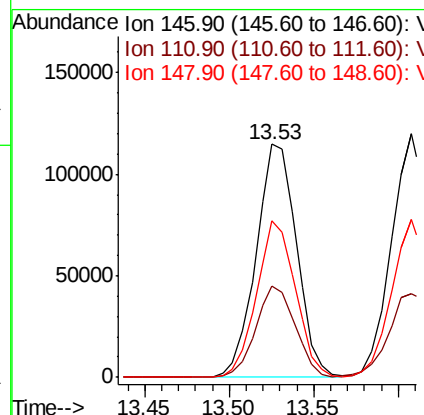
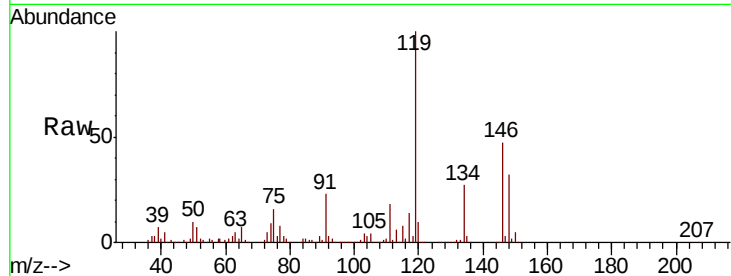
#87
 1,3-Dichlorobenzene
 Concen: 21.725 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	191429		
111	38.2	19.4	58.4	
148	64.5	32.3	96.8	

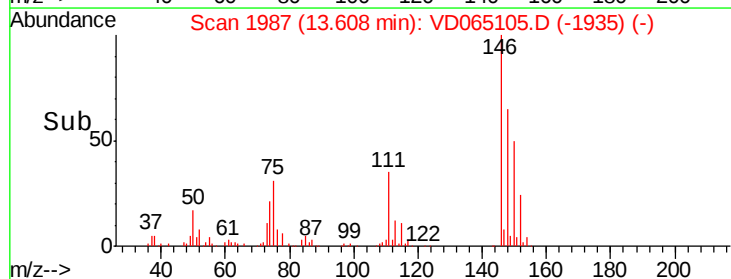
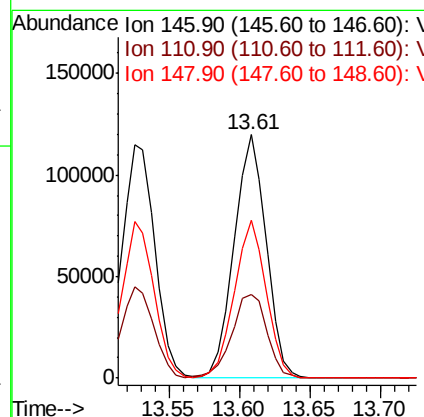
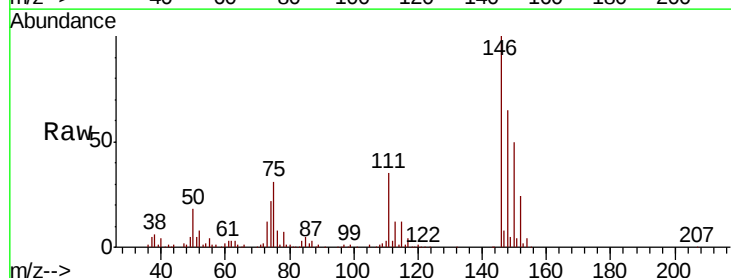
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 21.663 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	189987		
111	38.0	18.5	55.5	
148	64.2	32.7	98.1	





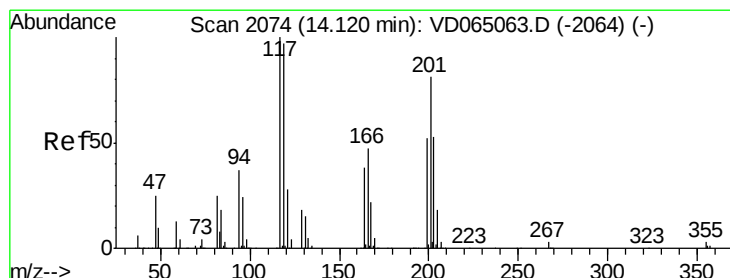
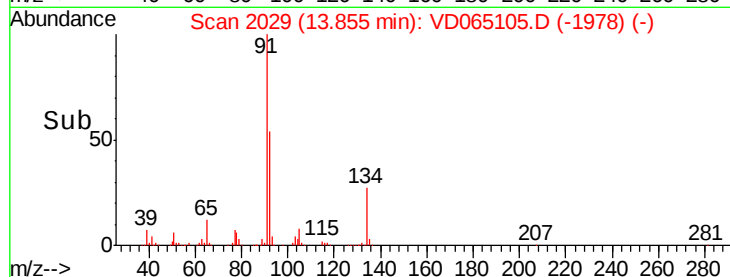
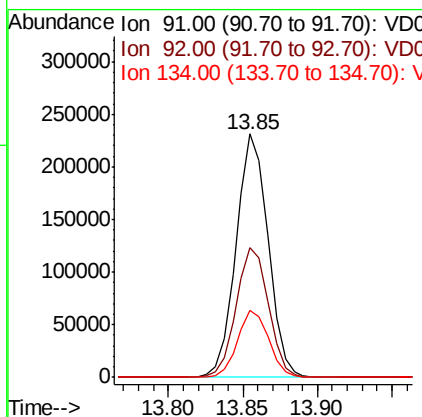
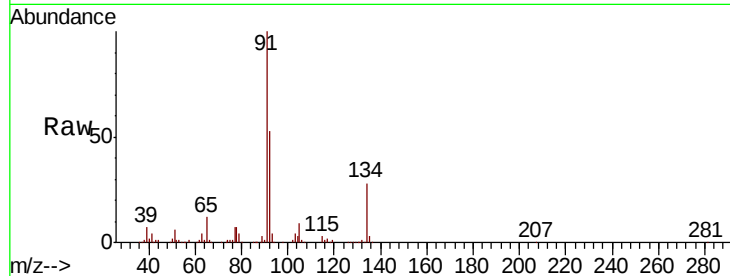
#89
n-Butylbenzene
Concen: 21.355 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		344839		
92	53.8	26.7	80.1		
134	26.8	13.4	40.2		

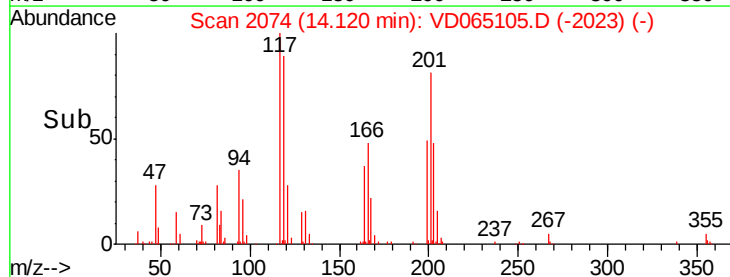
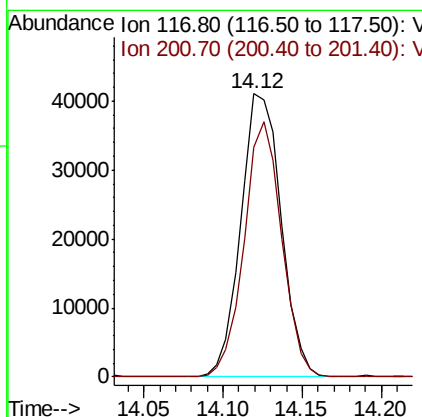
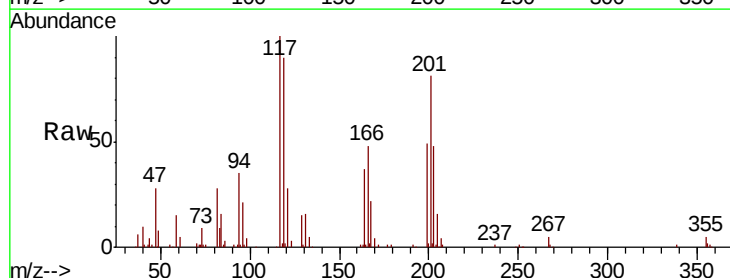
Manual Integrations
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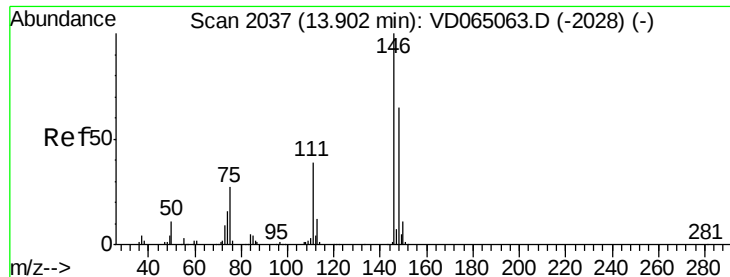
MMDadoda
2/10/2020 5:40:05 PM



#90
Hexachloroethane
Concen: 21.965 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		72766		
201	83.8	42.5	127.6		





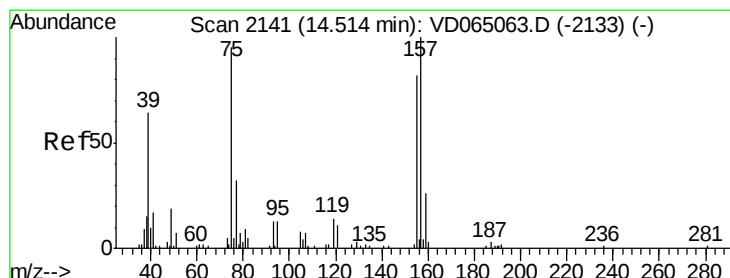
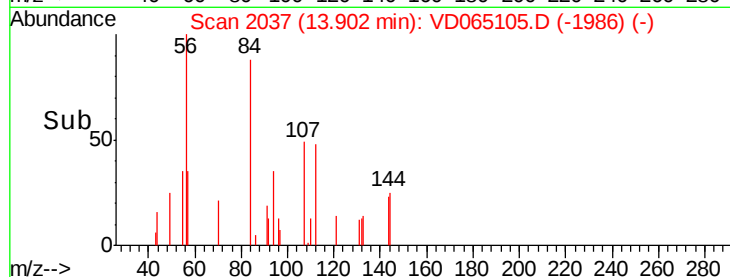
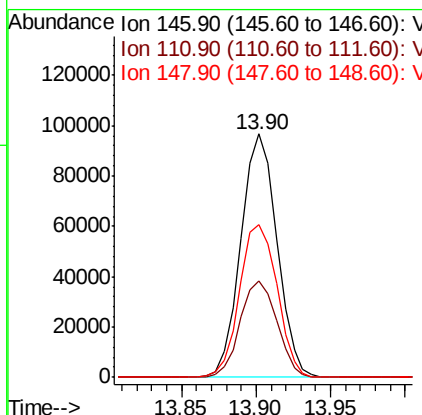
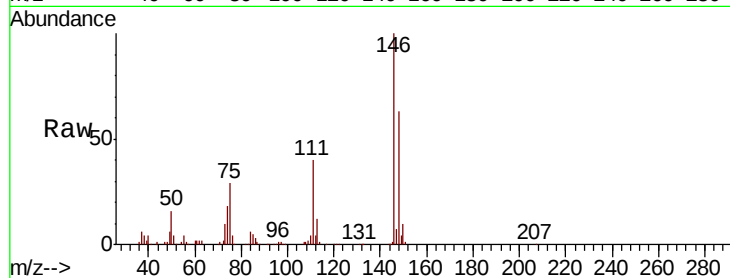
#91
 1,2-Dichlorobenzene
 Concen: 21.518 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.1
148	65.1	31.9	95.5

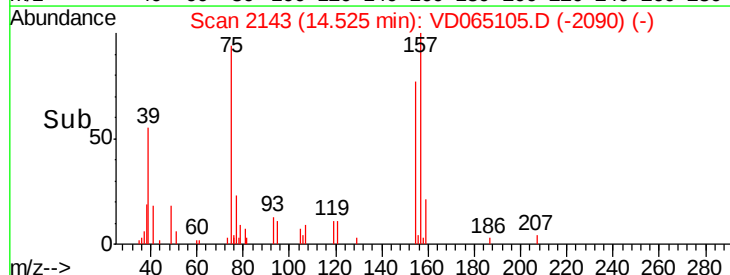
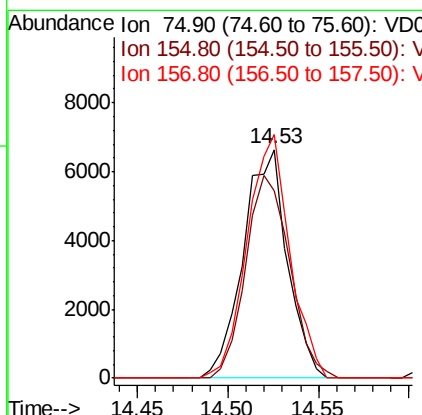
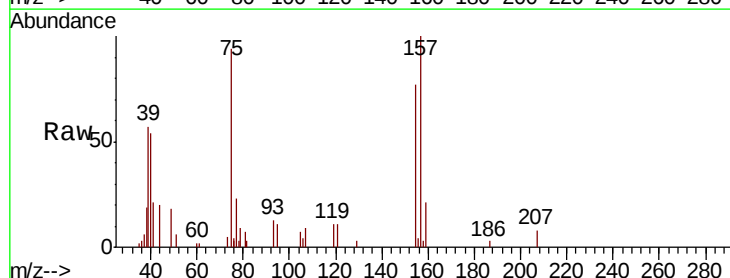
Manual Integrations
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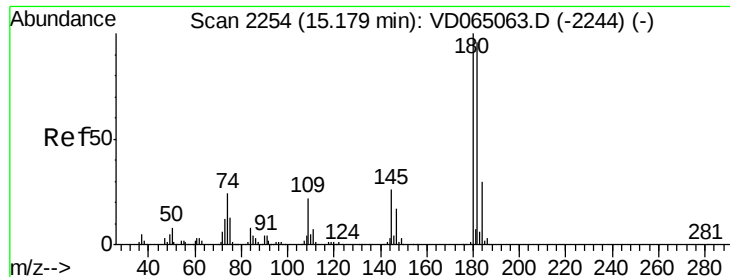
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.294 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.0	43.4	130.1
157	103.4	55.8	167.3





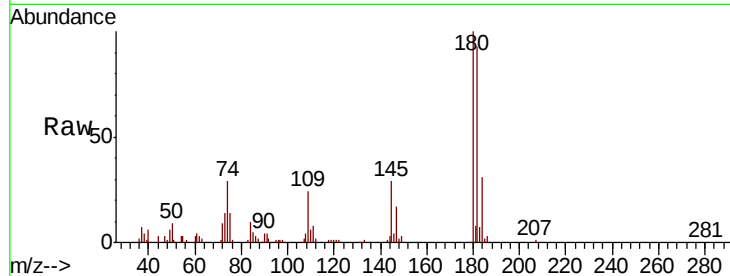
#93
 1,2,4-Trichlorobenzene
 Concen: 20.604 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	111142		
182	94.9	47.4	142.3	
145	29.4	14.1	42.4	

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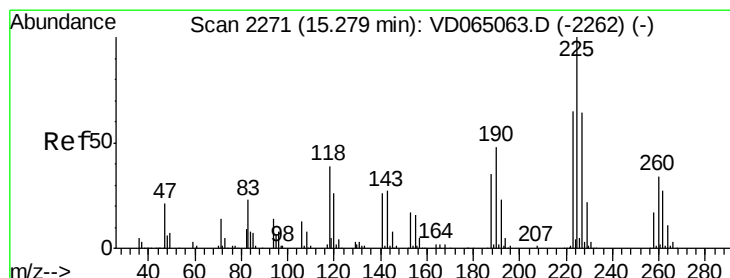
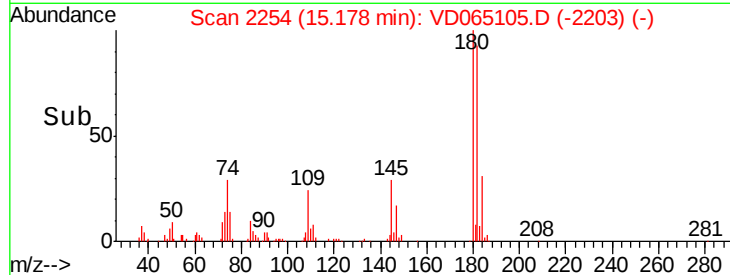
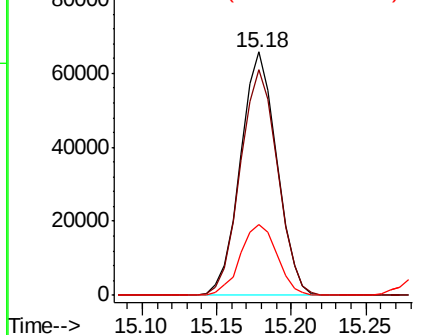


Abundance

Ion 179.80 (179.50 to 180.50): V

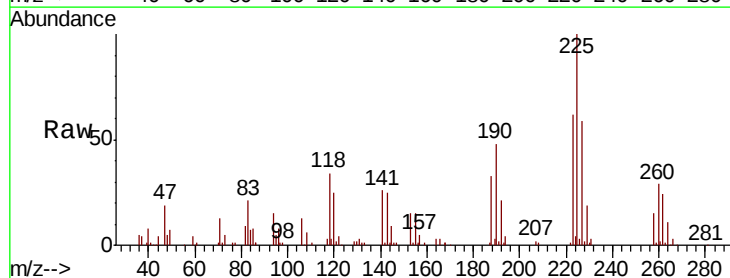
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.187 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065105.D
 Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70274		
223	62.8	31.4	94.0	
227	63.1	31.8	95.3	

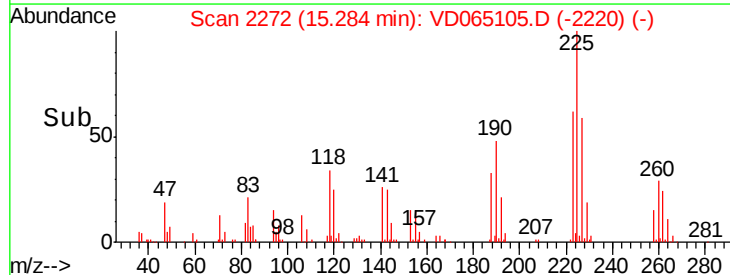
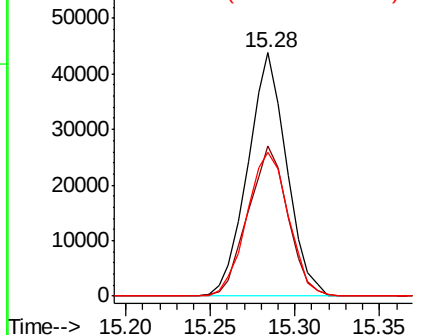


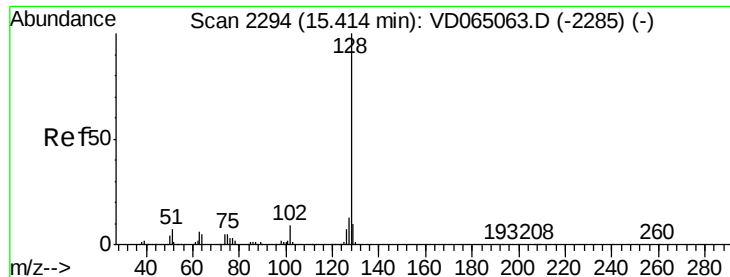
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





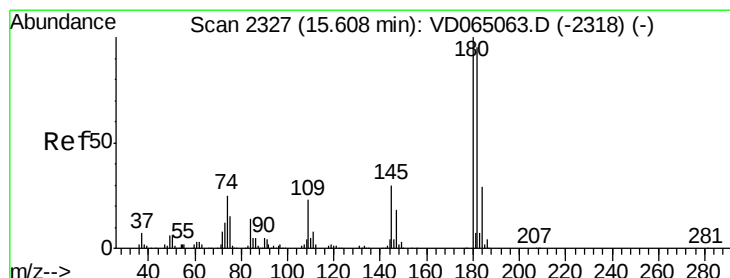
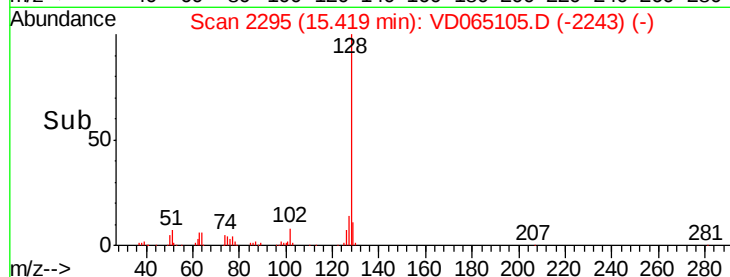
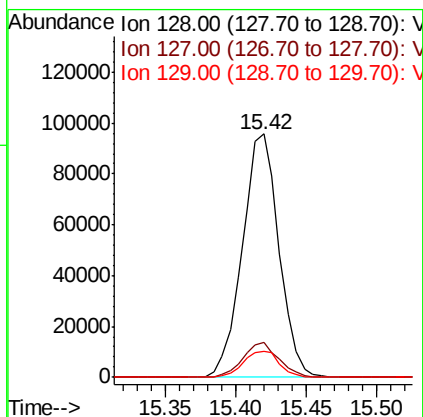
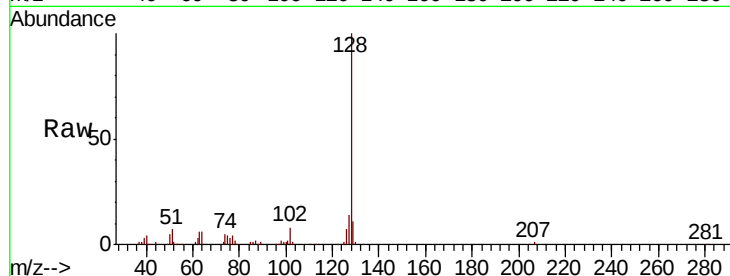
#95
Naphthalene
Concen: 19.345 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.6	15.8
129	10.9	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 20.810 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065105.D
Acq: 07 Feb 2020 12:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.4
145	30.4	14.9	44.9

