

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065104.D
 Acq On : 07 Feb 2020 12:29
 Operator : VA/SY
 Sample : VD0207SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 5:40:02 PM

Quant Time: Feb 08 00:17:20 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	431850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	646912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	584742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	282669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	202240	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
35) Dibromofluoromethane	7.92	113	199009	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
50) Toluene-d8	10.34	98	785477	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
62) 4-Bromofluorobenzene	12.64	95	241582	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76503	21.288	ug/l	96
3) Chloromethane	2.21	50	98674	23.325	ug/l	95
4) Vinyl Chloride	2.35	62	104662	23.394	ug/l	99
5) Bromomethane	2.76	94	65088	22.437	ug/l	99
6) Chloroethane	2.92	64	66115	23.823	ug/l	100
7) Trichlorofluoromethane	3.27	101	153469	23.571	ug/l	99
8) Diethyl Ether	3.70	74	38029	20.346	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.08	101	85610	21.509	ug/l	99
10) Methyl Iodide	4.29	142	83152	18.303	ug/l	99
11) Tert butyl alcohol	5.25	59	21439	95.601	ug/l	97
12) 1,1-Dichloroethene	4.06	96	80202	21.039	ug/l	96
13) Acrolein	3.93	56	27356	99.178	ug/l	97
14) Allyl chloride	4.71	41	133533	21.077	ug/l	99
15) Acrylonitrile	5.43	53	86442	105.783	ug/l	99
16) Acetone	4.17	43	85790	93.489	ug/l	100
17) Carbon Disulfide	4.40	76	267204	21.831	ug/l	100
18) Methyl Acetate	4.73	43	40951	21.359	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	165264	19.605	ug/l	95
20) Methylene Chloride	4.96	84	96748	21.715	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	90993	21.098	ug/l	95
22) Diisopropyl ether	6.37	45	257497	21.547	ug/l	97
23) Vinyl Acetate	6.31	43	679425	102.003	ug/l	100
24) 1,1-Dichloroethane	6.27	63	157411	21.762	ug/l	99
25) 2-Butanone	7.22	43	109648	100.170	ug/l	94
26) 2,2-Dichloropropane	7.21	77	143700	22.164	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	95137	20.764	ug/l	99
28) Bromochloromethane	7.54	49	56472	20.596	ug/l	96
29) Tetrahydrofuran	7.57	42	68808	103.946	ug/l	95
30) Chloroform	7.71	83	158913	22.064	ug/l	90
31) Cyclohexane	7.98	56	152768	20.923	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	146932	21.901	ug/l	99
36) 1,1-Dichloropropene	8.11	75	128991	21.444	ug/l	98
37) Ethyl Acetate	7.30	43	50855	20.694	ug/l	96
38) Carbon Tetrachloride	8.10	117	133235	21.687	ug/l	98

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Quant Time: Feb 08 00:17:20 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)
39) Methylcyclohexane	9.36	83	148203	19.960	ug/l	99
40) Benzene	8.36	78	356696	21.473	ug/l	96
41) Methacrylonitrile	7.53	41	27850	20.571	ug/l	94
42) 1,2-Dichloroethane	8.43	62	101364	21.416	ug/l	98
43) Isopropyl Acetate	8.46	43	93660	19.924	ug/l	99
44) Trichloroethene	9.11	130	98140	20.583	ug/l	100
45) 1,2-Dichloropropane	9.39	63	86420	21.699	ug/l	94
46) Dibromomethane	9.48	93	44106	21.075	ug/l	98
47) Bromodichloromethane	9.67	83	121634	22.058	ug/l	99
48) Methyl methacrylate	9.46	41	42416	18.751	ug/l	96
49) 1,4-Dioxane	9.47	88	9747	393.217	ug/l #	93
51) 4-Methyl-2-Pentanone	10.24	43	237853	102.794	ug/l	98
52) Toluene	10.41	92	226511	21.365	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	110944	20.664	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	135003	21.024	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	60581	21.104	ug/l	94
56) Ethyl methacrylate	10.67	69	68132	18.758	ug/l	92
57) 1,3-Dichloropropane	10.96	76	105655	20.931	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	115290	85.755	ug/l	100
59) 2-Hexanone	10.99	43	161215	98.363	ug/l	98
60) Dibromochloromethane	11.15	129	81204	21.840	ug/l	99
61) 1,2-Dibromoethane	11.25	107	59173	21.096	ug/l	99
64) Tetrachloroethene	10.88	164	83863	19.959	ug/l	94
65) Chlorobenzene	11.68	112	237233	20.976	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	87176	20.884	ug/l	97
67) Ethyl Benzene	11.75	91	422192	20.547	ug/l	99
68) m/p-Xylenes	11.86	106	326267	41.602	ug/l	100
69) o-Xylene	12.19	106	141877	20.089	ug/l	99
70) Styrene	12.20	104	254483	20.733	ug/l	99
71) Bromoform	12.37	173	45805	20.387	ug/l #	99
73) Isopropylbenzene	12.49	105	390742	20.140	ug/l	100
74) N-amyl acetate	12.30	43	82205	19.494	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	63966	20.949	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	37394m	17.473	ug/l	
77) Bromobenzene	12.77	156	94103	20.131	ug/l	97
78) n-propylbenzene	12.83	91	473654	20.847	ug/l	100
79) 2-Chlorotoluene	12.92	91	259027	20.453	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	328720	20.710	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	21313	19.917	ug/l	93
82) 4-Chlorotoluene	13.01	91	273258	20.544	ug/l	99
83) tert-Butylbenzene	13.24	119	272973	19.934	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	323567	20.534	ug/l	100
85) sec-Butylbenzene	13.41	105	382917	20.474	ug/l	99
86) p-Isopropyltoluene	13.53	119	357543	20.576	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	180237	20.594	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	174775	20.064	ug/l	99
89) n-Butylbenzene	13.86	91	330384	20.599	ug/l	99
90) Hexachloroethane	14.13	117	71030	21.586	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	152087	20.288	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10444	20.953	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)
93) 1,2,4-Trichlorobenzene	15.18	180	103836	19.380	ug/l	99
94) Hexachlorobutadiene	15.28	225	68316	20.737	ug/l	95
95) Naphthalene	15.42	128	156380	17.560	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	88620	19.337	ug/l	99

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

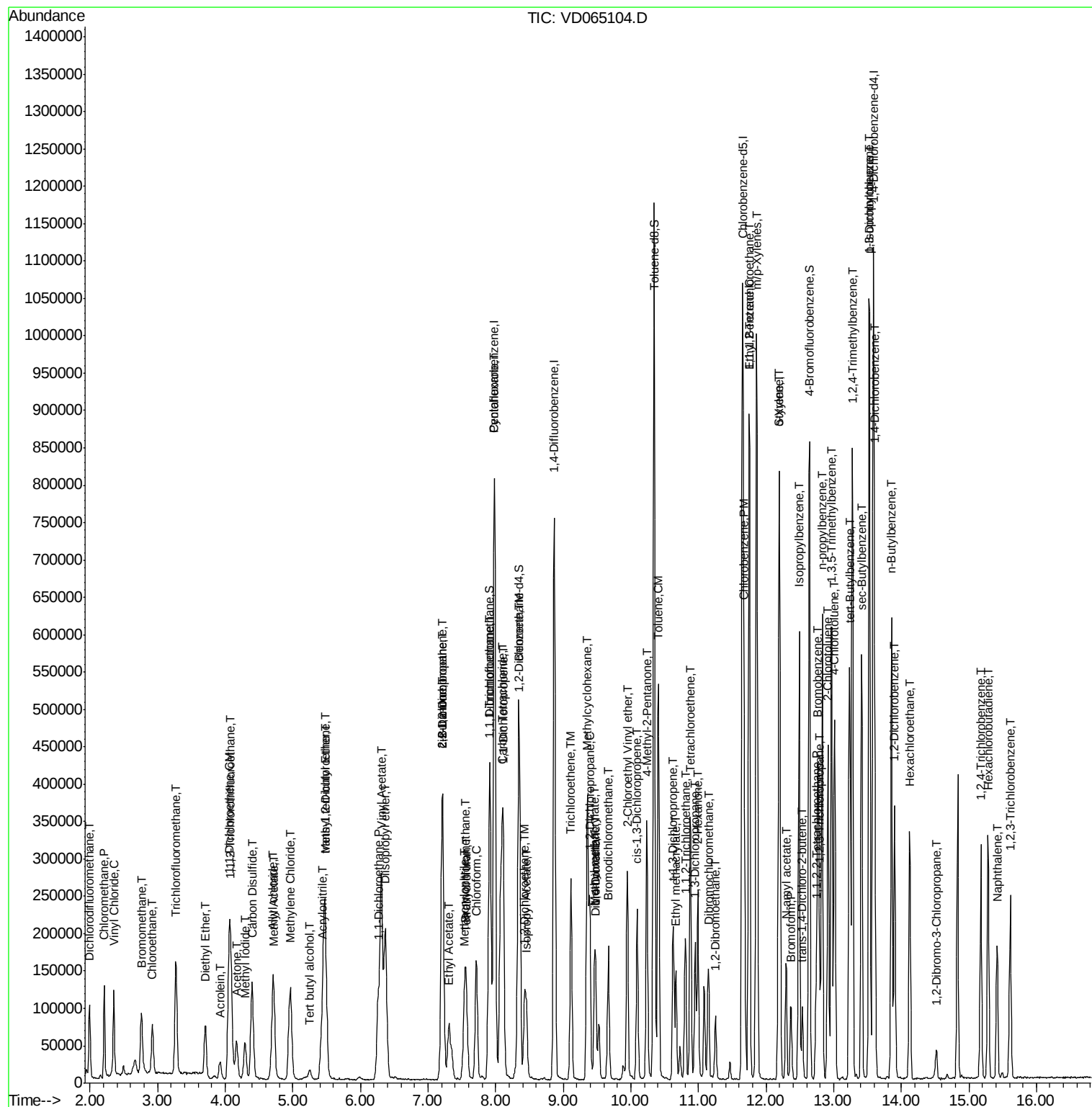
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020720\
Data File : VD065104.D
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Operator : VA/SY
Sample : VD0207SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
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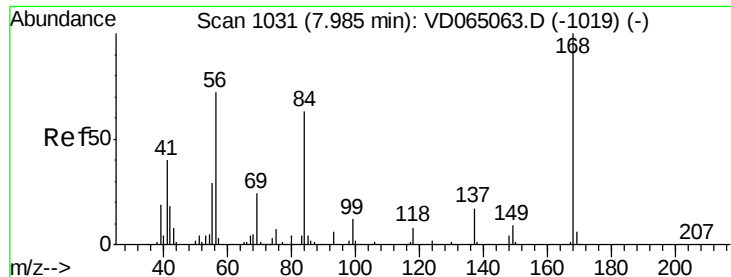
Instrument :
MSVOA_D
ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion:168 Resp: 431850

Ion Ratio Lower Upper

168 100

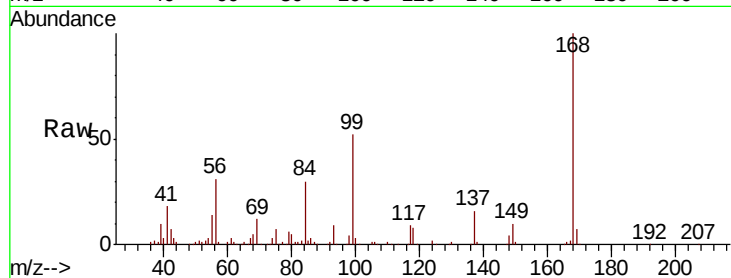
99 51.6 41.0 61.6

Manual Integrations

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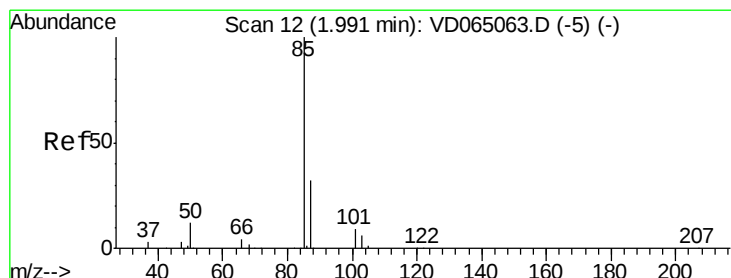
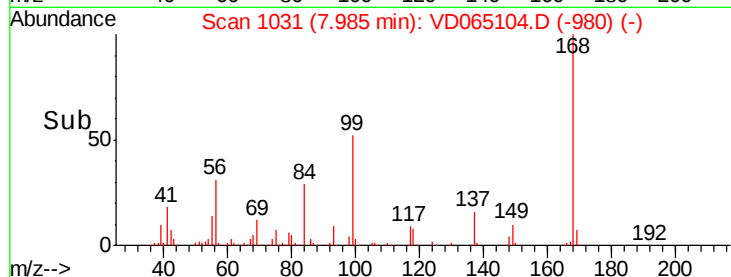
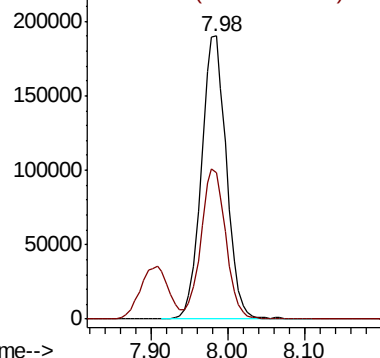
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.288 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065104.D

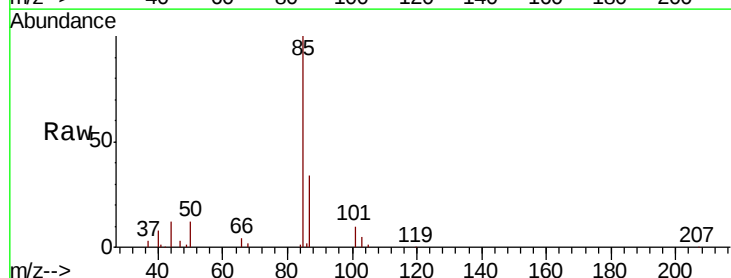
Acq: 07 Feb 2020 12:29

Tgt Ion: 85 Resp: 76503

Ion Ratio Lower Upper

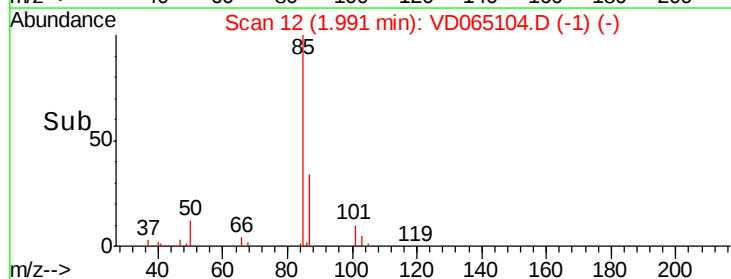
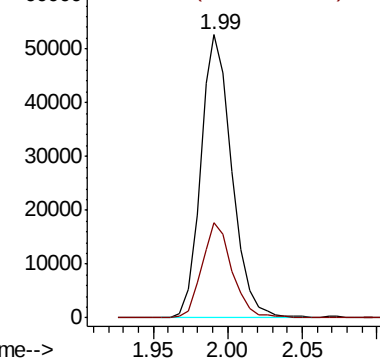
85 100

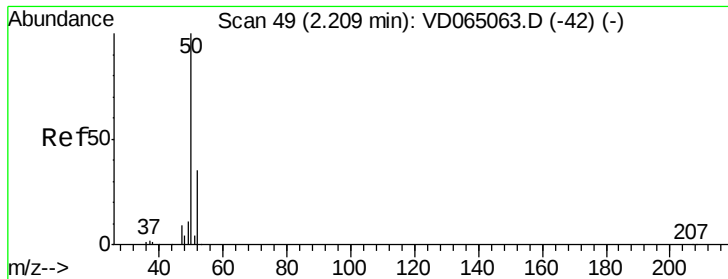
87 33.7 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.325 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 50 Resp: 98674

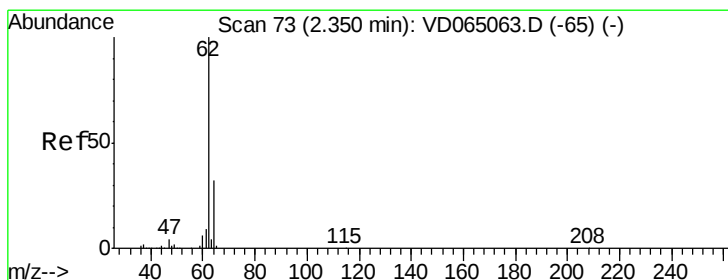
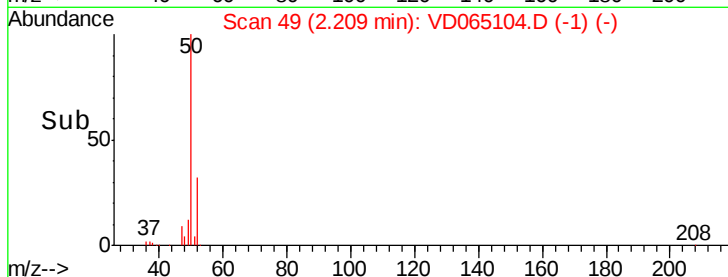
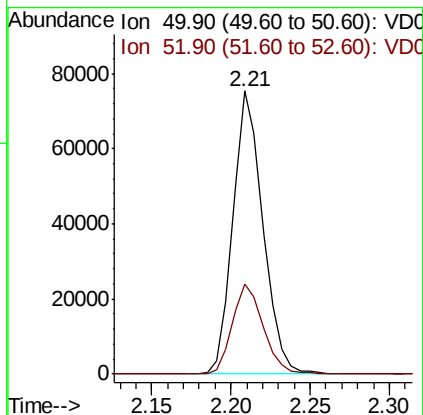
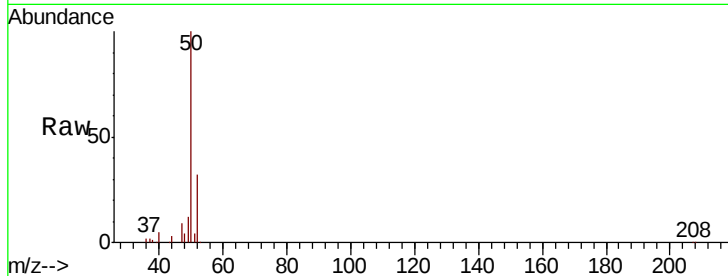
Ion Ratio Lower Upper

50 100

52 32.0 27.8 41.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 23.394 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065104.D

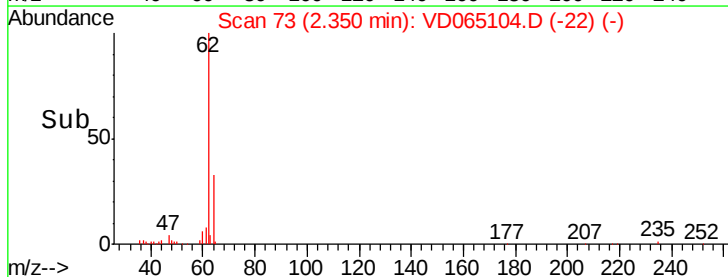
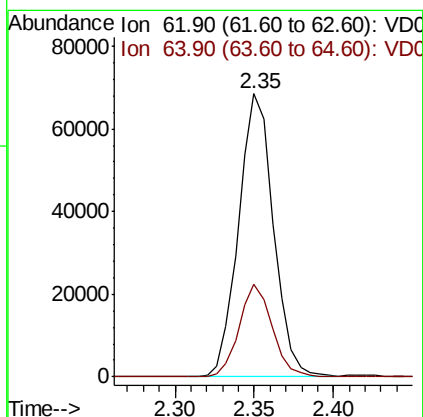
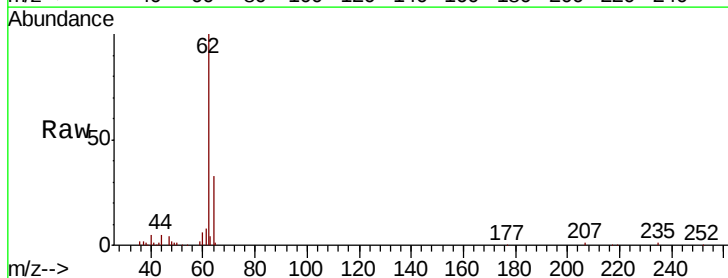
Acq: 07 Feb 2020 12:29

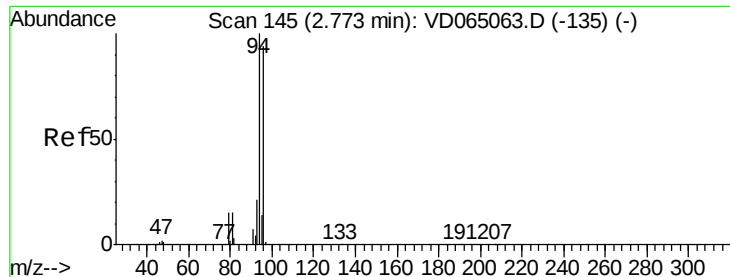
Tgt Ion: 62 Resp: 104662

Ion Ratio Lower Upper

62 100

64 33.0 25.9 38.9





#5

Bromomethane

Concen: 22.437 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 94 Resp: 65088

Ion Ratio Lower Upper

94 100

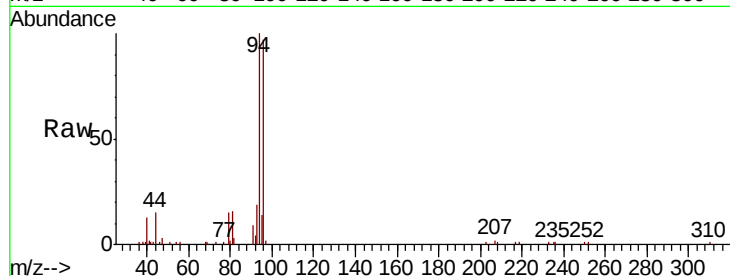
96 95.6 75.4 113.0

Manual Integrations

APPROVED

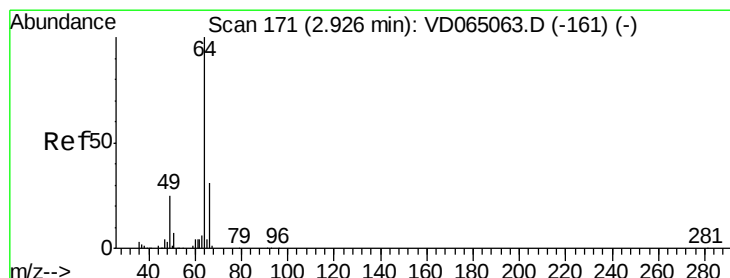
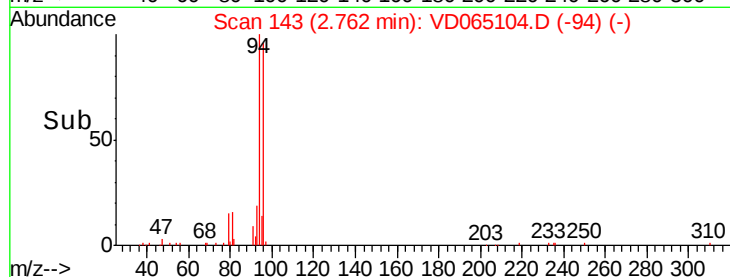
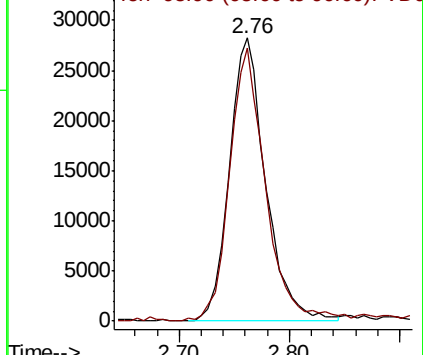
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.823 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065104.D

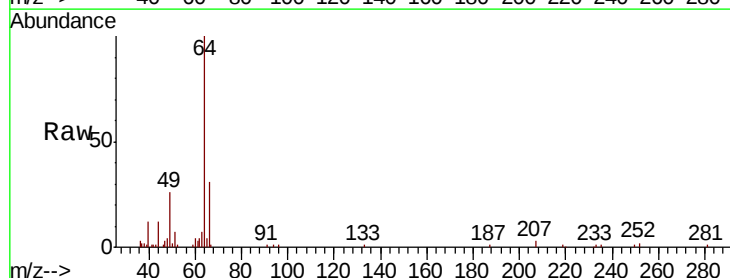
Acq: 07 Feb 2020 12:29

Tgt Ion: 64 Resp: 66115

Ion Ratio Lower Upper

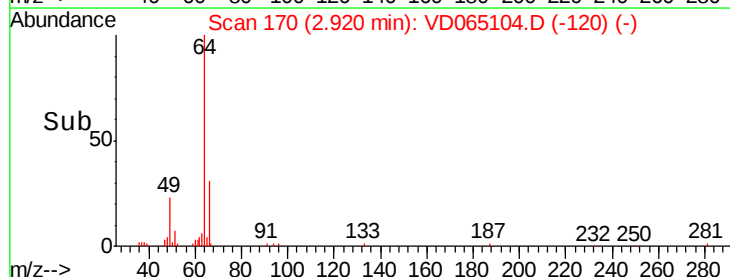
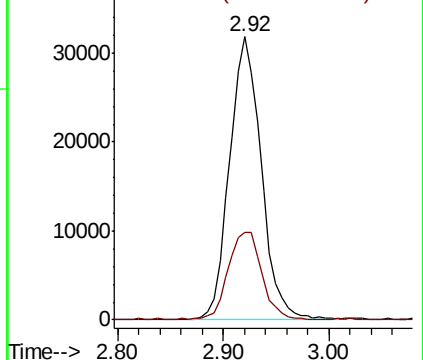
64 100

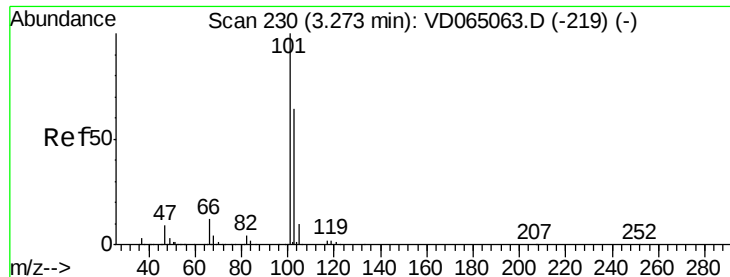
66 31.1 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

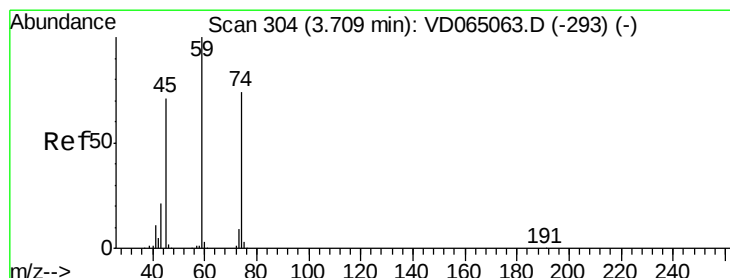
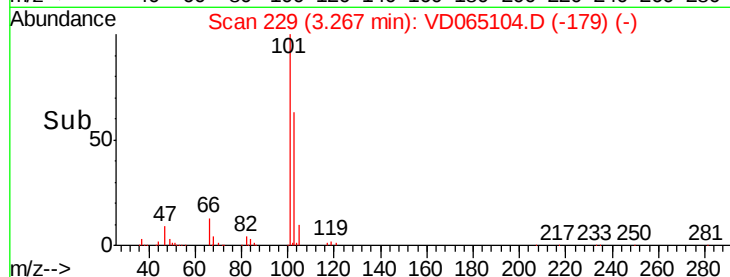
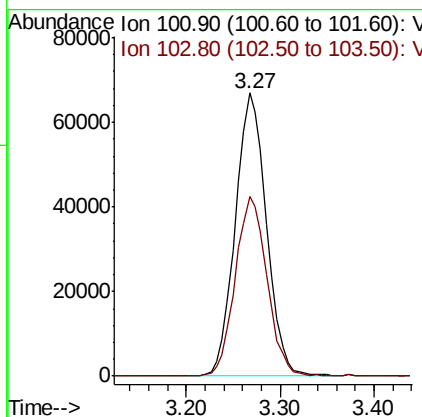
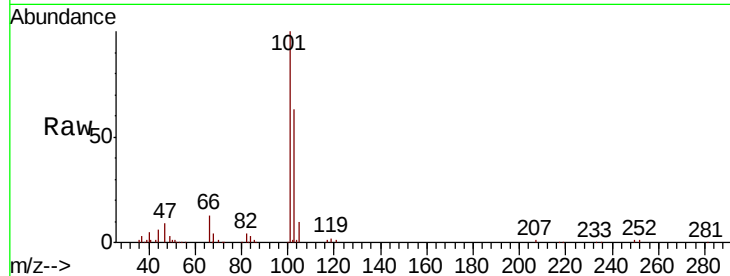
Trichlorofluoromethane
 Concen: 23.571 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.0	76.6

Manual Integrations
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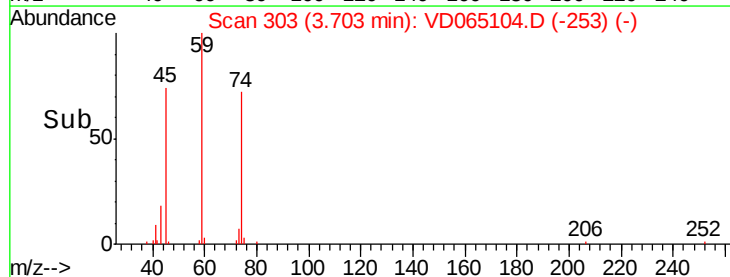
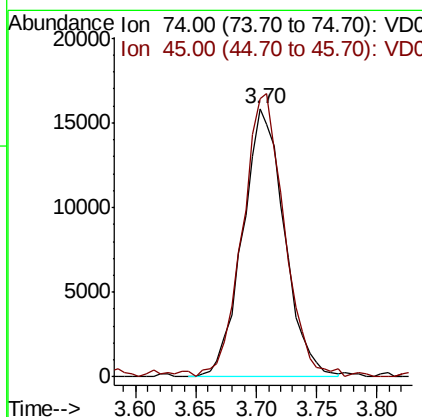
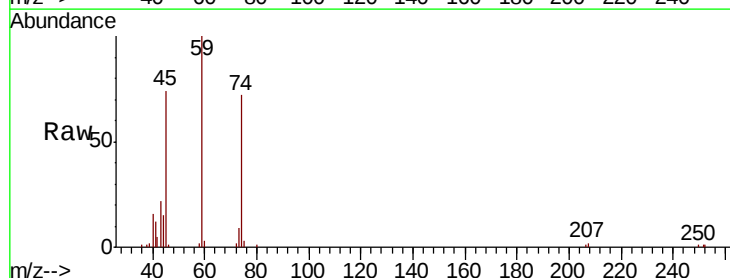
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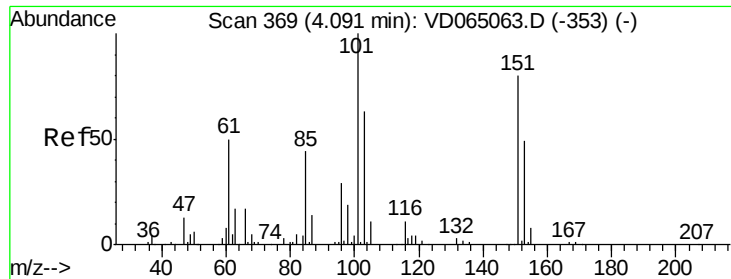


#8

Diethyl Ether
 Concen: 20.346 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.5	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.509 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

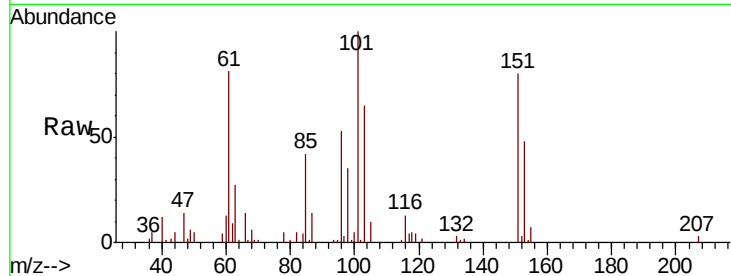
ClientSampleId :

VD0207SBS01

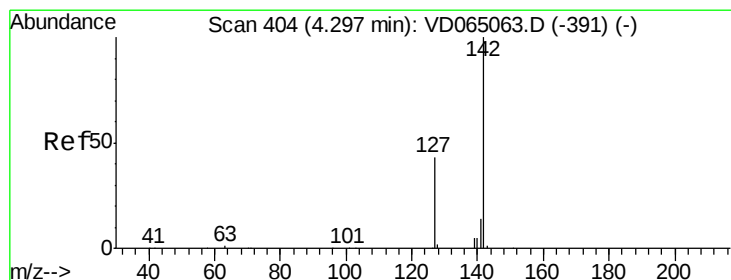
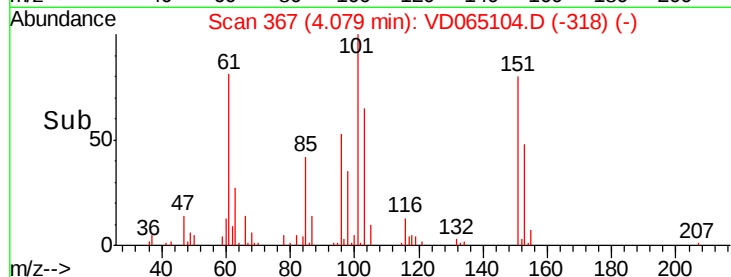
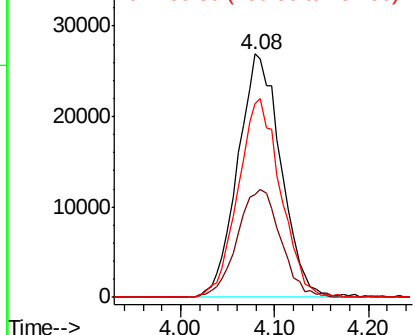
Tot Ion:	101	Resp:	85610
Ion Ratio	Lower	Upper	
101	100		
85	44.7	34.0	51.0
151	80.4	64.0	96.0

Manual Integrations
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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: 18.303 ug/l

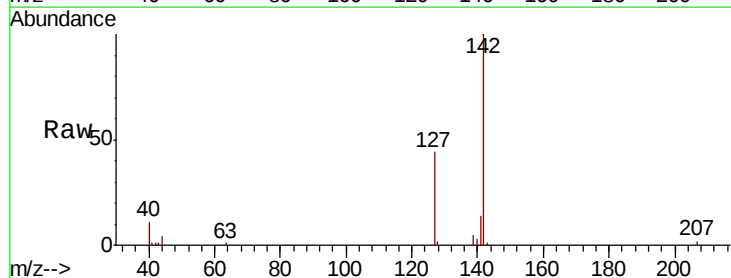
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

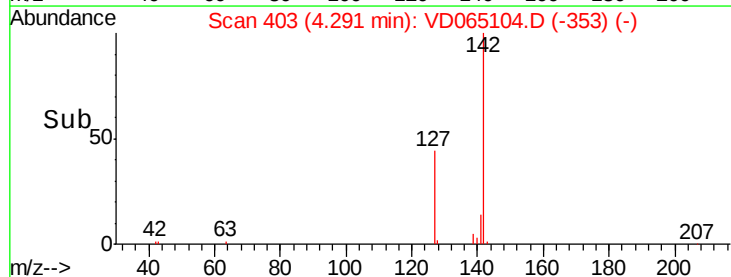
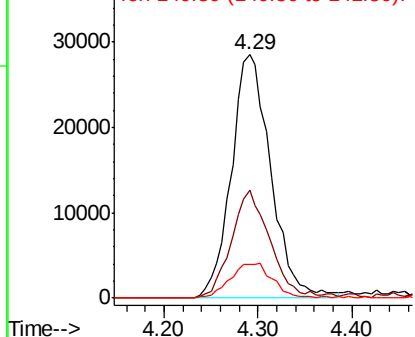
Lab File: VD065104.D

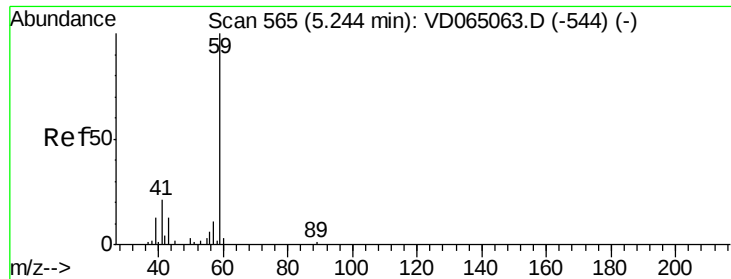
Acq: 07 Feb 2020 12:29

Tgt Ion:	142	Resp:	83152
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.0	51.0
141	15.3	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

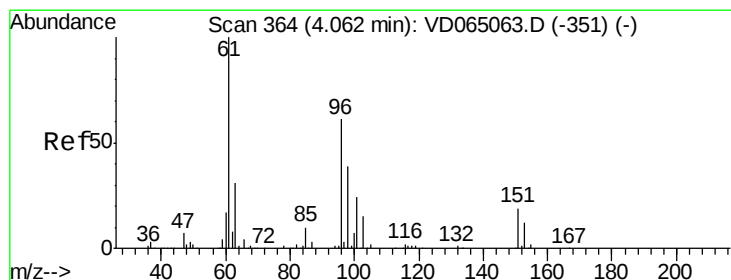
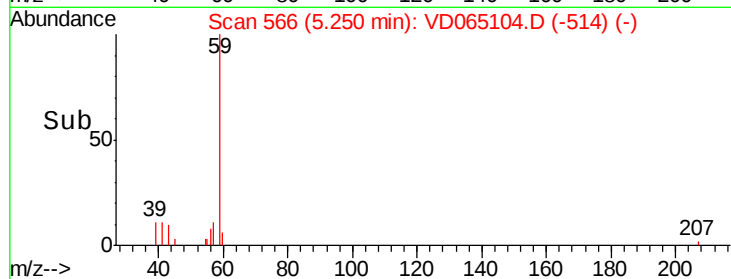
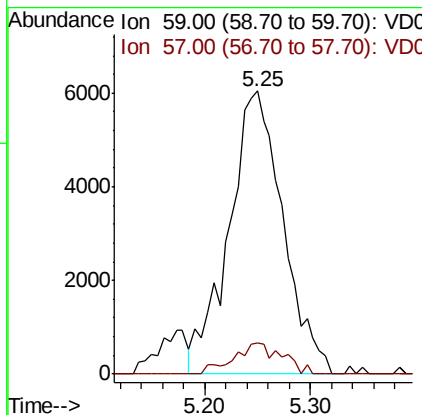
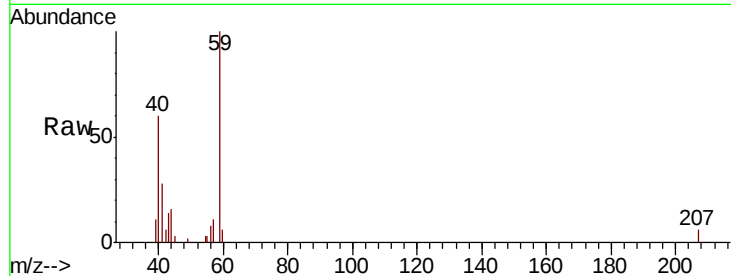
Tert butyl alcohol
 Concen: 95.601 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.8	13.2

Manual Integrations
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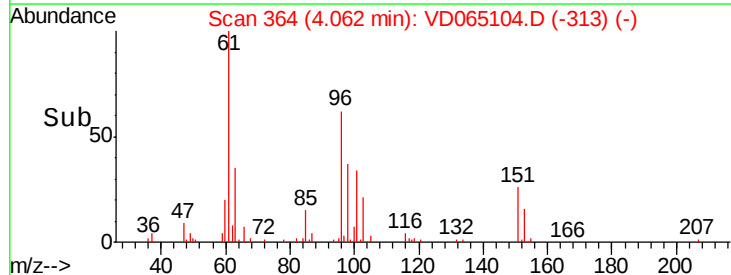
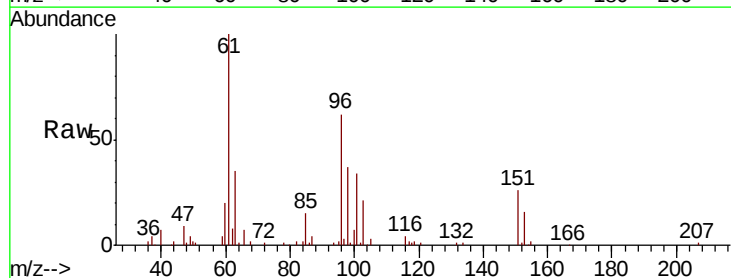
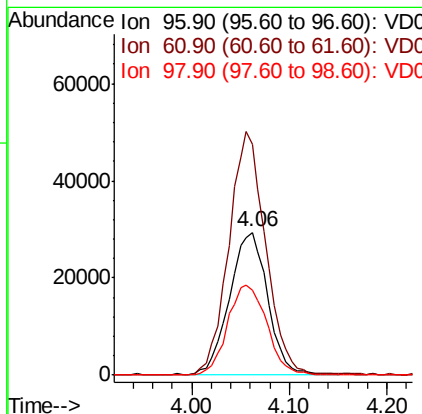
MMDadoda
 2/10/2020 5:40:02 PM



#12

1,1-Dichloroethene
 Concen: 21.039 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	131.4	197.2
98	58.9	51.1	76.7





#13

Acrolein

Concen: 99.178 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 56 Resp: 27356

Ion Ratio Lower Upper

56 100

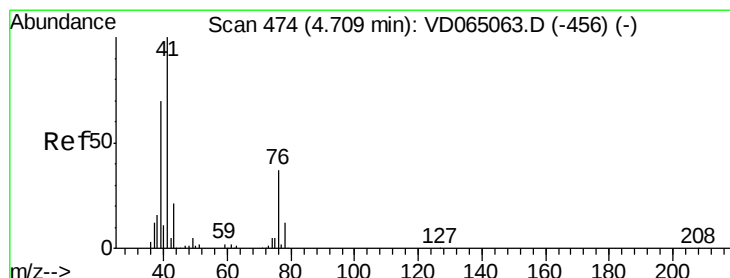
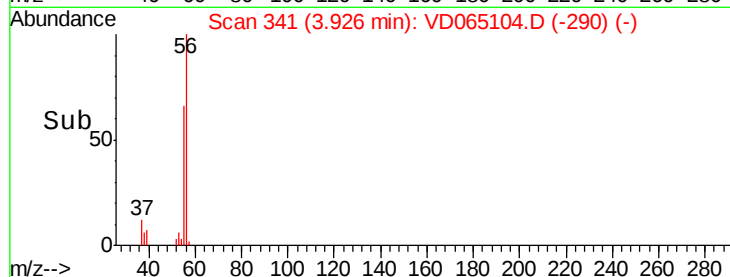
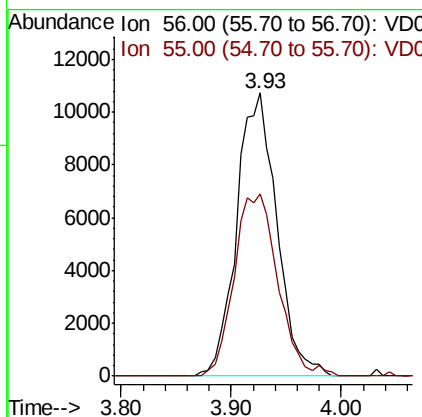
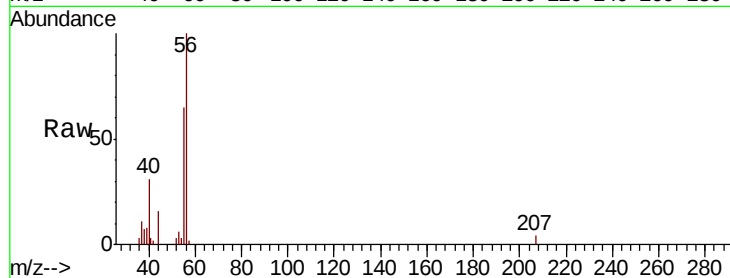
55 70.0 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 21.077 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

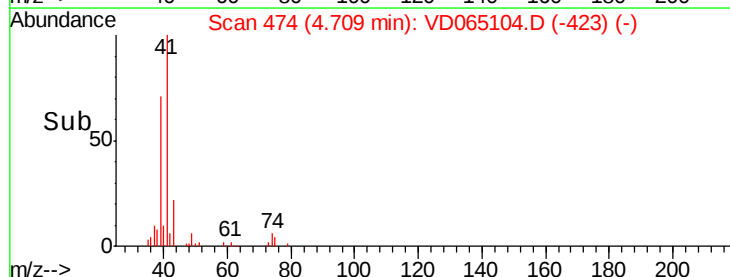
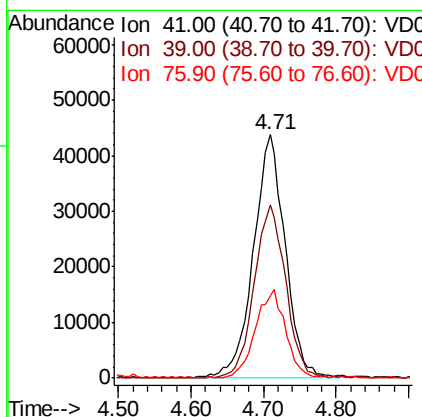
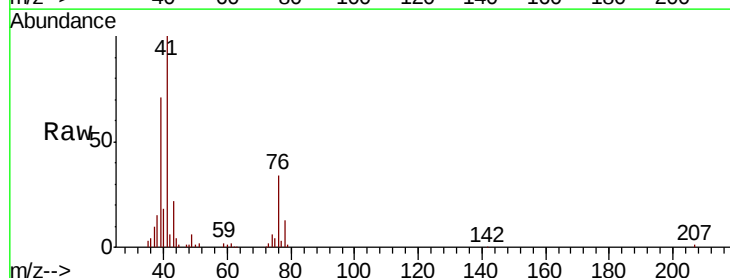
Tgt Ion: 41 Resp: 133533

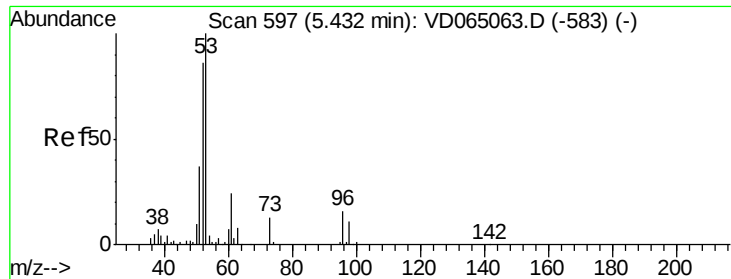
Ion Ratio Lower Upper

41 100

39 70.6 57.1 85.7

76 34.8 28.0 42.0





#15

Acrylonitrile

Concen: 105.783 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

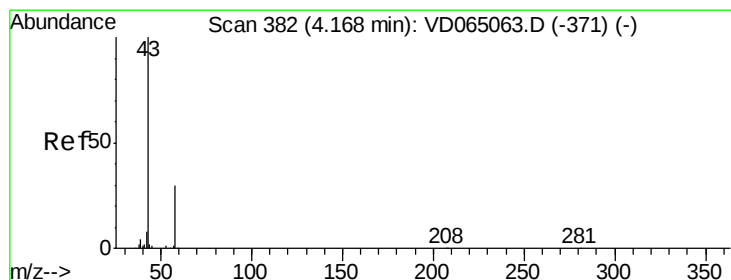
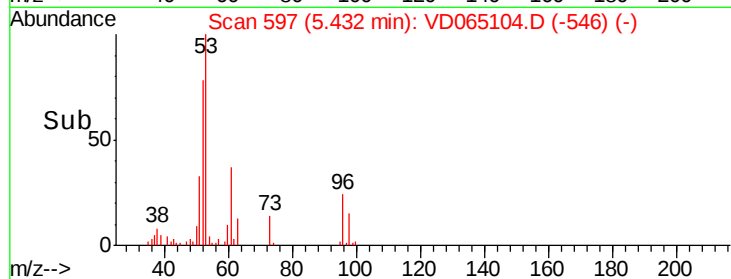
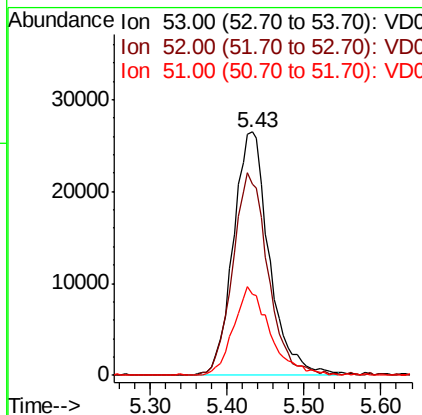
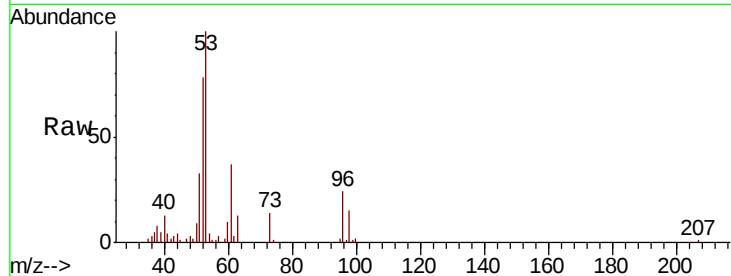
ClientSampleId :

VD0207SBS01

Tot Ion:	53	Resp:	86442
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.2	99.2
51	36.9	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 93.489 ug/l

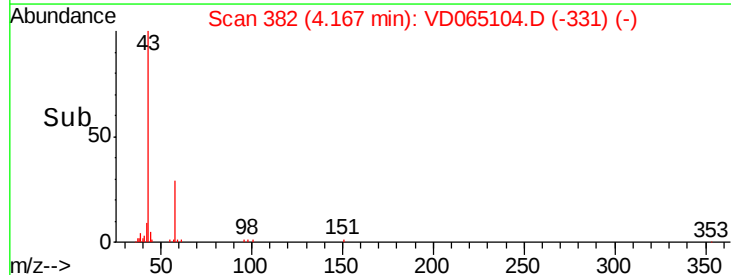
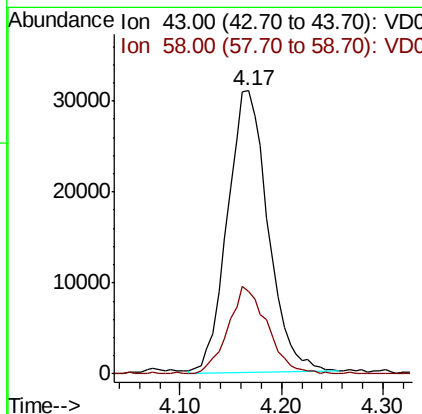
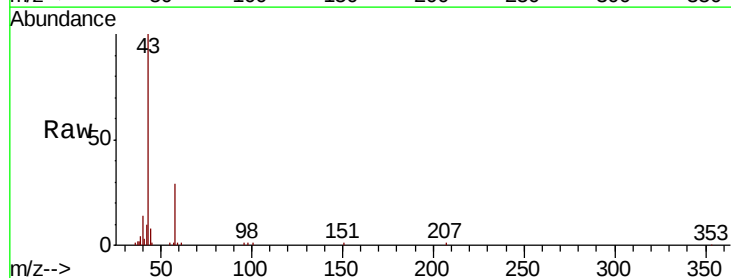
RT: 4.17 min Scan# 382

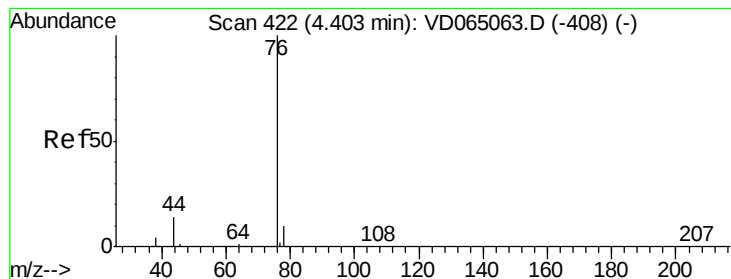
Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Tgt Ion:	43	Resp:	85790
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.5	35.3





#17

Carbon Disulfide

Concen: 21.831 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 76 Resp: 267204

Ion Ratio Lower Upper

76 100

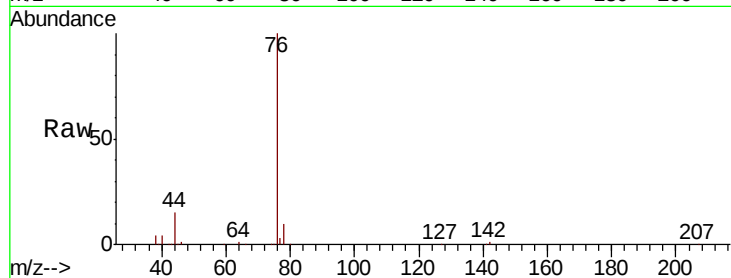
78 9.6 7.6 11.4

Manual Integrations

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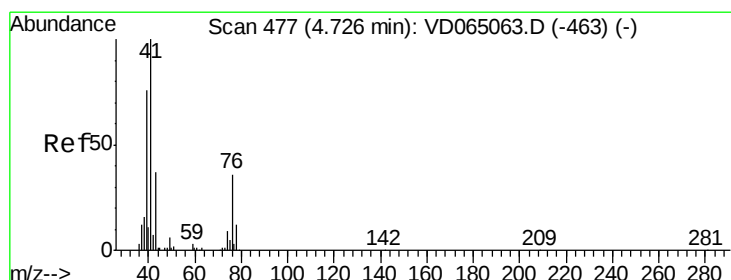
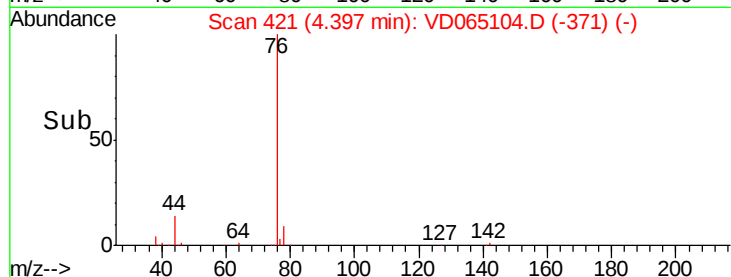
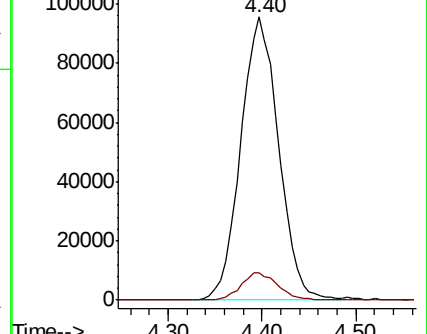
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.359 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065104.D

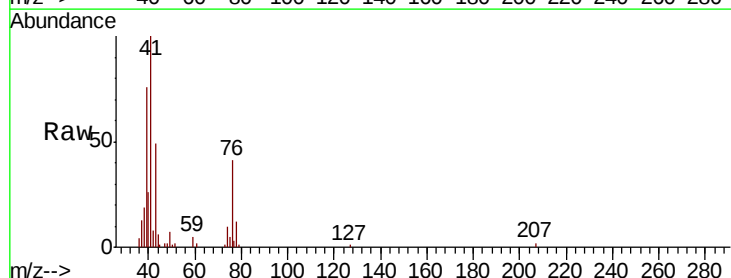
Acq: 07 Feb 2020 12:29

Tgt Ion: 43 Resp: 40951

Ion Ratio Lower Upper

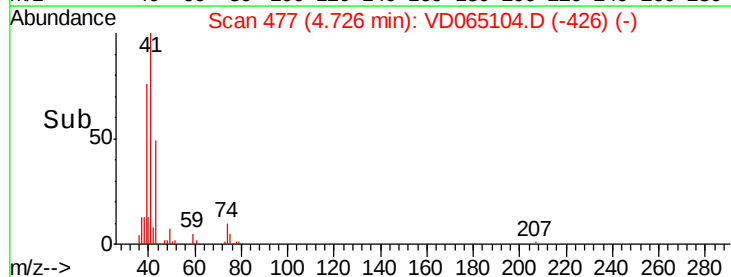
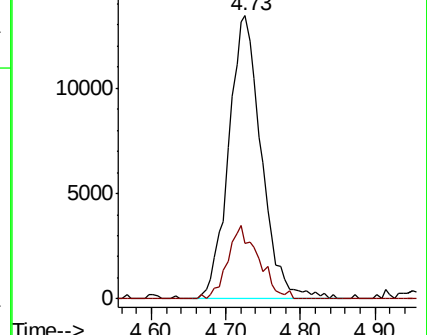
43 100

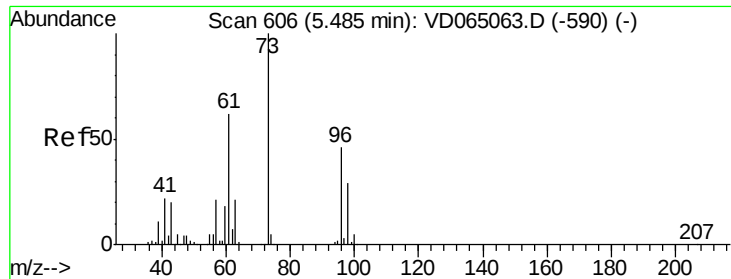
74 24.6 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





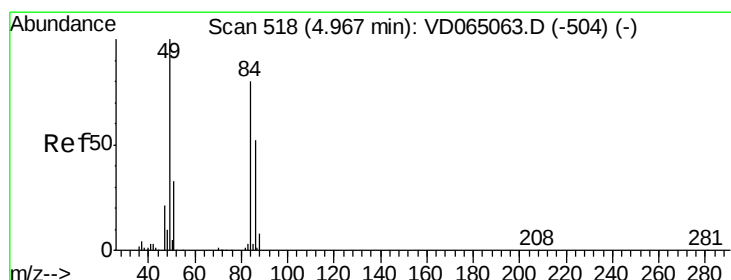
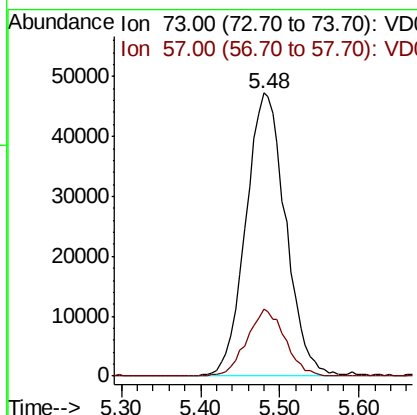
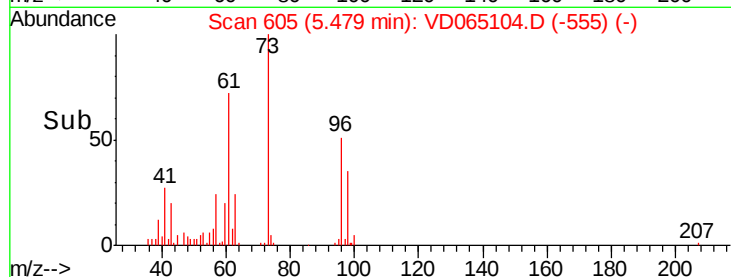
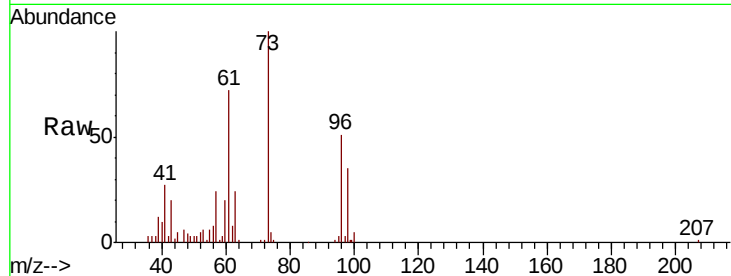
#19
Methvl tert-butvl Ether
Concen: 19.605 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion: 73 Resp: 165264
Ion Ratio Lower Upper
73 100
57 23.5 16.8 25.2

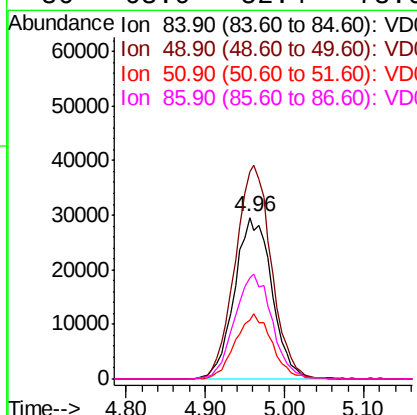
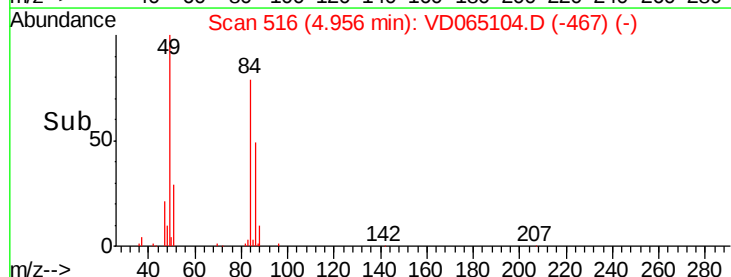
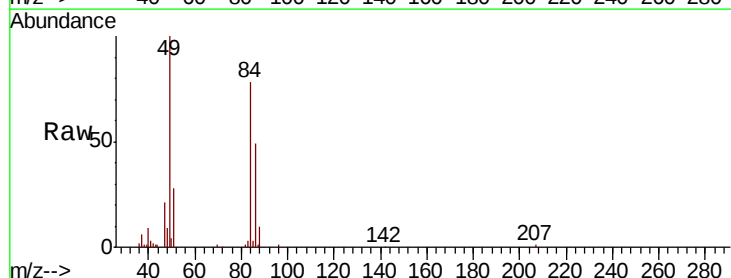
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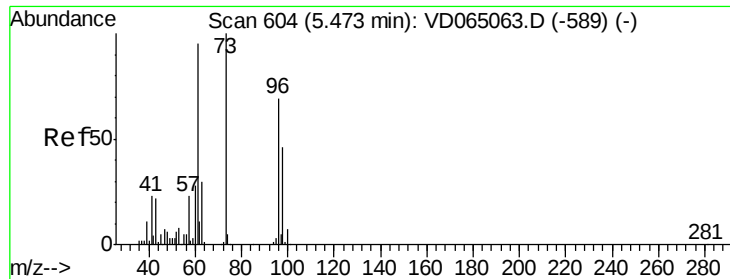
MMDadoda
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#20
Methylene Chloride
Concen: 21.715 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion: 84 Resp: 96748
Ion Ratio Lower Upper
84 100
49 128.4 100.4 150.6
51 36.3 32.7 49.1
86 63.0 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 21.098 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

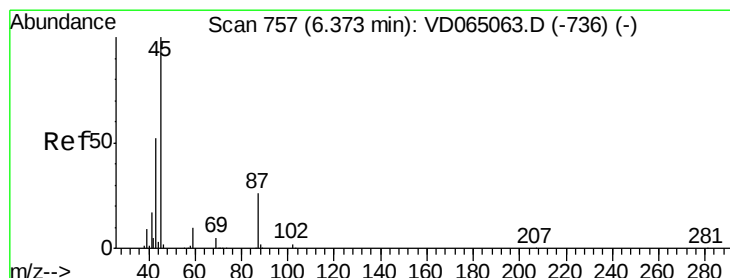
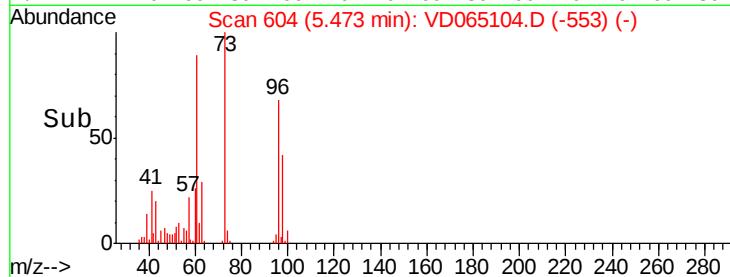
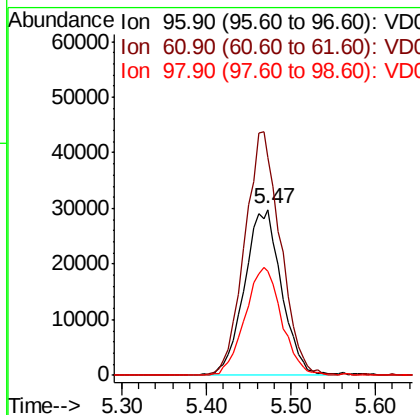
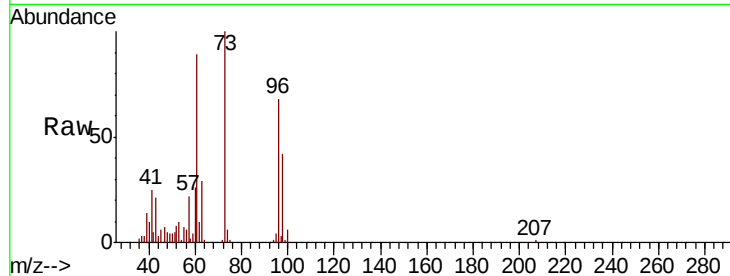
ClientSampleId :

VD0207SBS01

Tot Ion:	96	Resp:	90993
Ion	Ratio	Lower	Upper
96	100		
61	131.3	109.5	164.3
98	62.7	53.7	80.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.547 ug/l

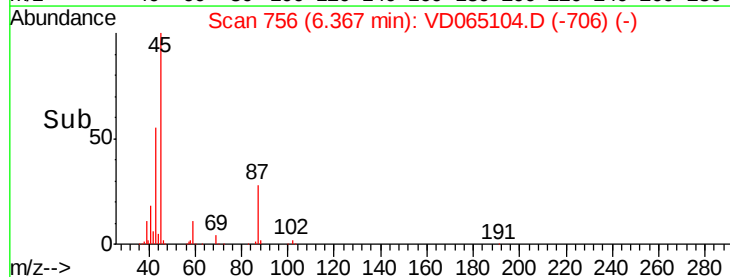
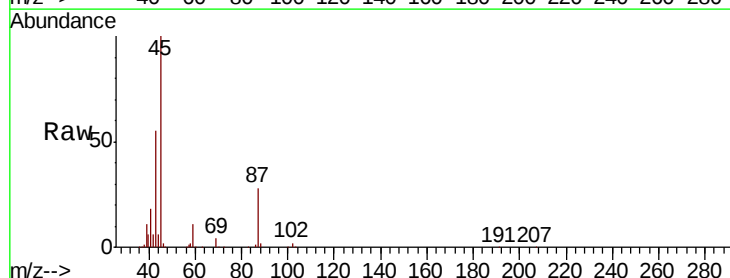
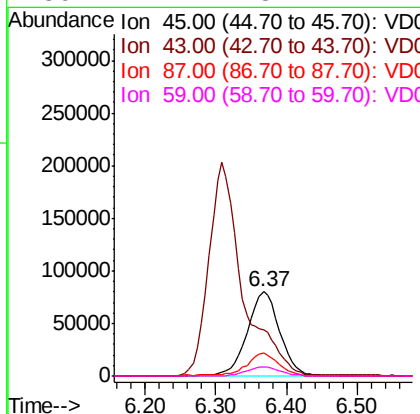
RT: 6.37 min Scan# 756

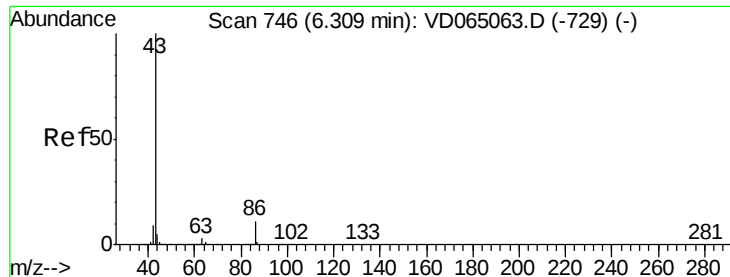
Delta R.T. -0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Tgt Ion:	45	Resp:	257497
Ion	Ratio	Lower	Upper
45	100		
43	53.6	41.3	61.9
87	27.3	21.0	31.6
59	11.1	8.2	12.4





#23

Vinyl Acetate

Concen: 102.003 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 43 Resp: 679425

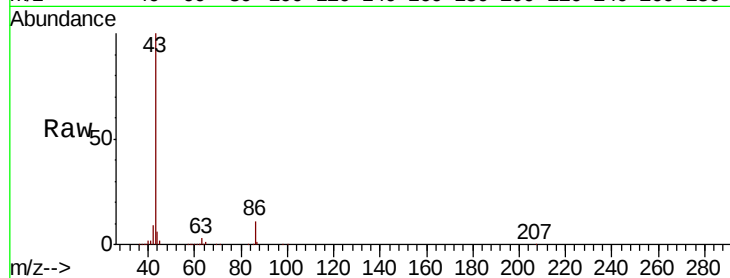
Ion Ratio Lower Upper

43 100

86 10.6 8.5 12.7

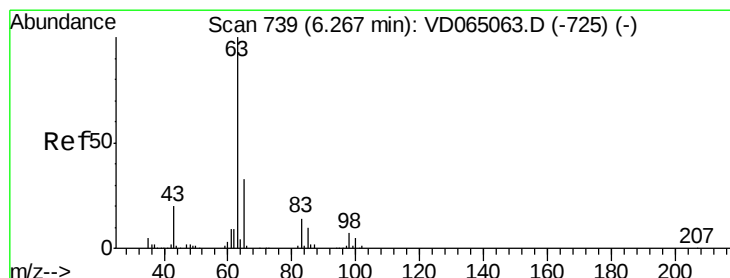
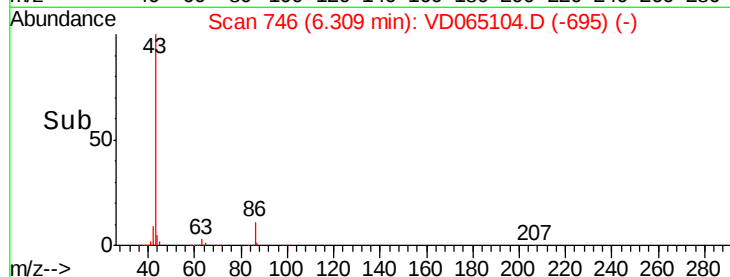
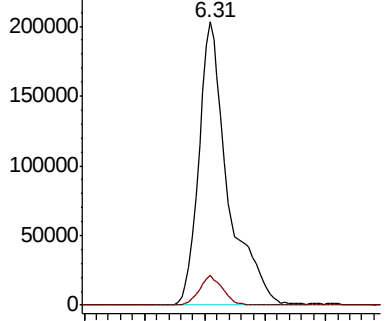
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.762 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

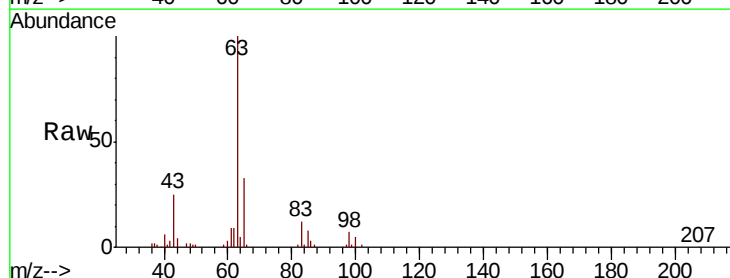
Tgt Ion: 63 Resp: 157411

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

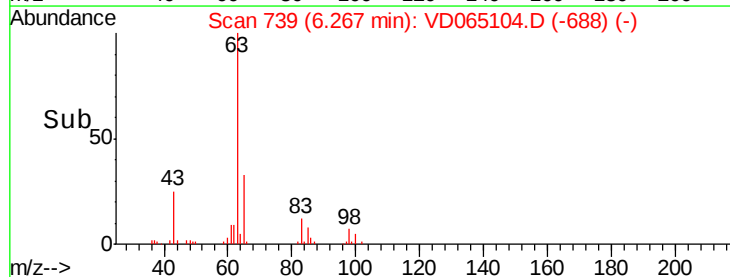
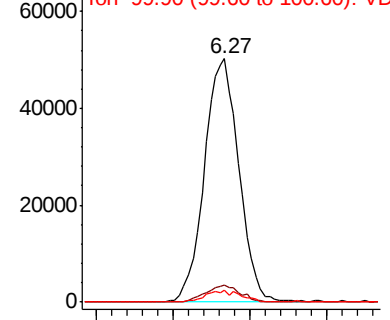
100 4.6 2.5 7.6

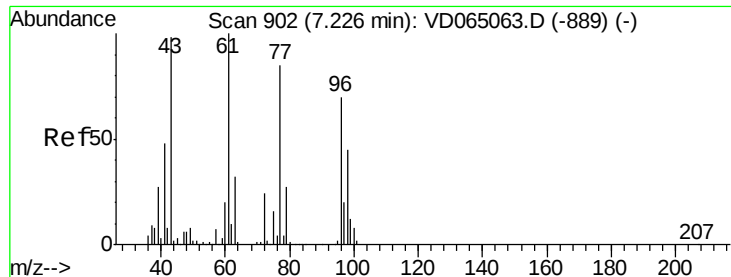


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





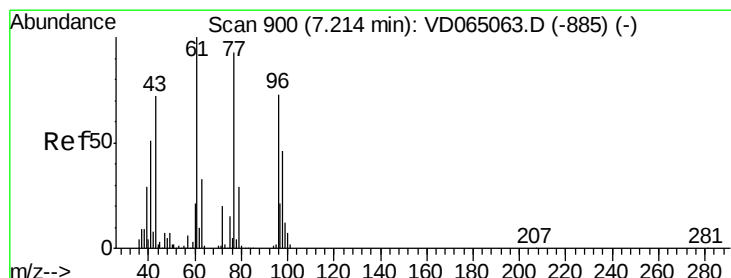
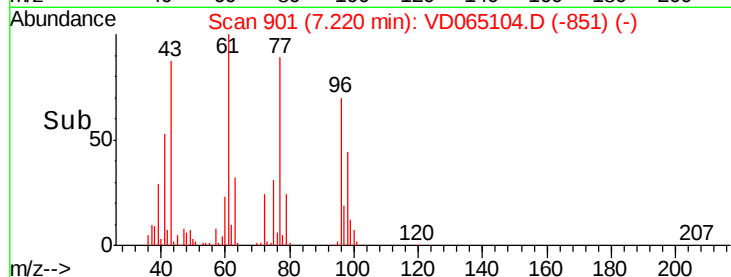
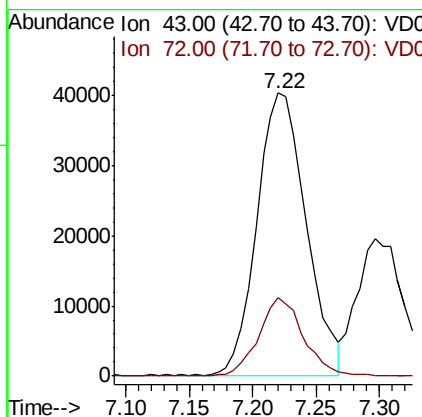
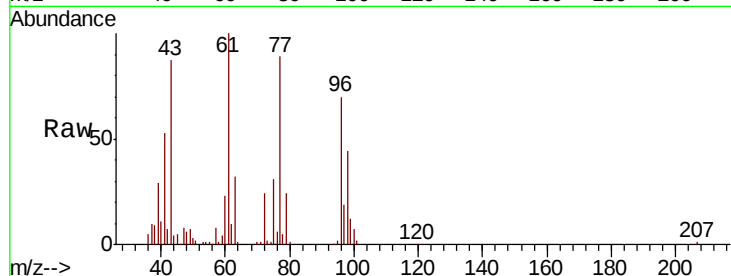
#25
2-Butanone
Concen: 100.170 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion: 43 Resp: 109648
Ion Ratio Lower Upper
43 100
72 27.9 19.9 29.9

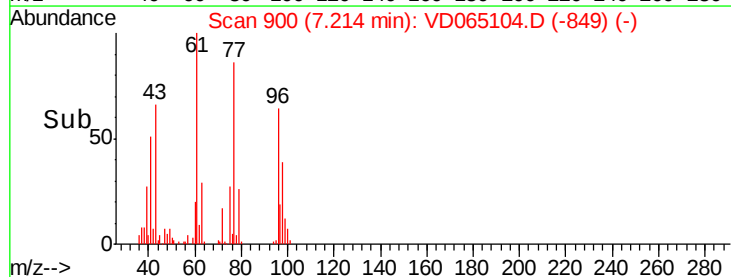
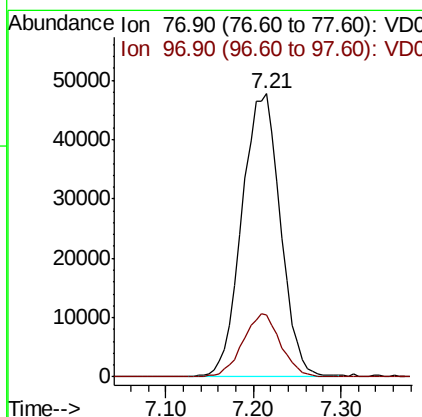
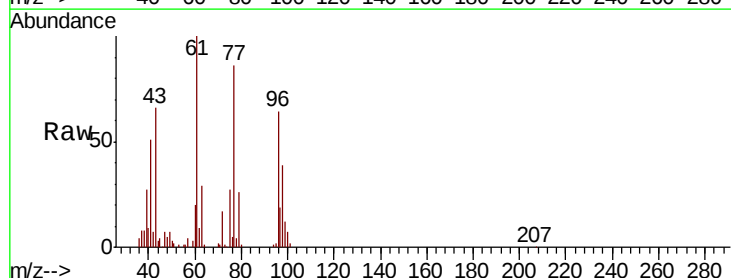
Manual Integrations
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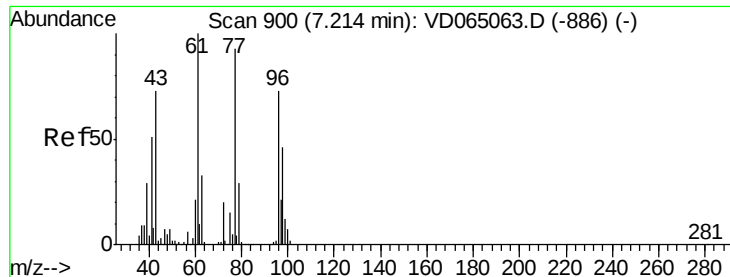
MMDadoda
2/10/2020 5:40:02 PM



#26
2,2-Dichloropropane
Concen: 22.164 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion: 77 Resp: 143700
Ion Ratio Lower Upper
77 100
97 21.7 10.9 32.6





#27

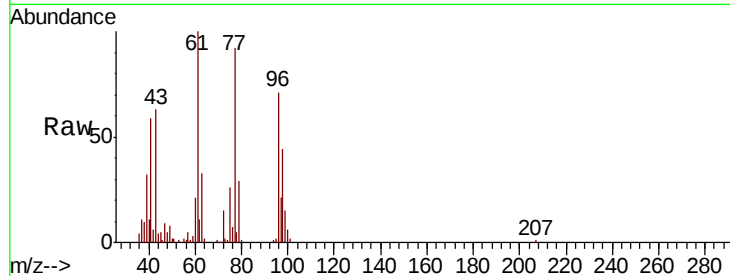
cis-1,2-Dichloroethene
Concen: 20.764 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

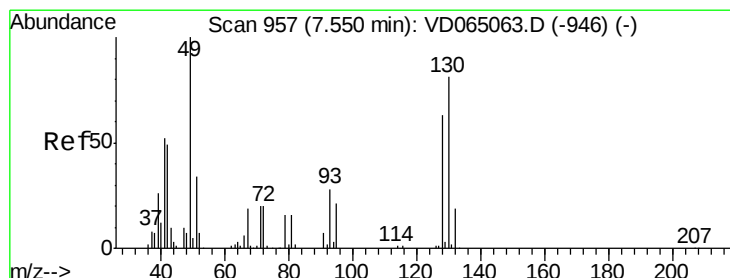
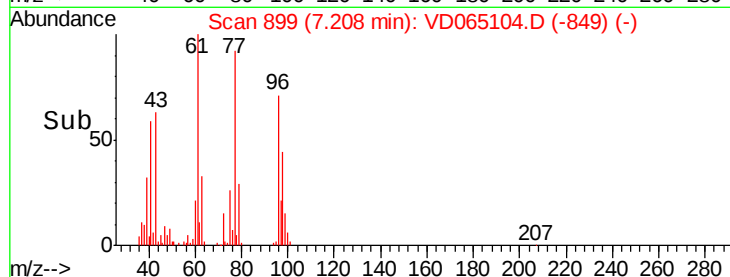
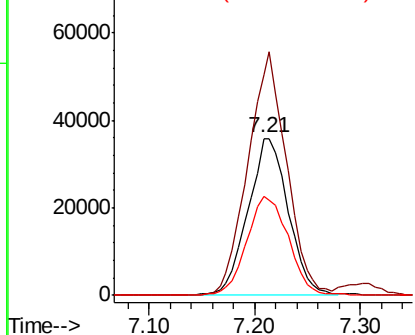
Tot Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	292.8
98	65.0	0.0	128.8

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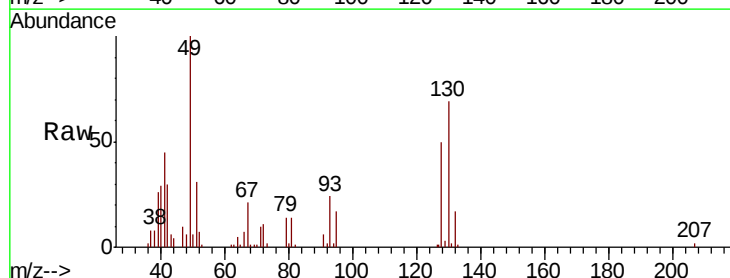
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



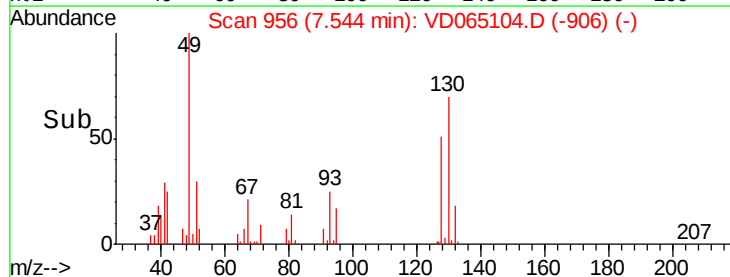
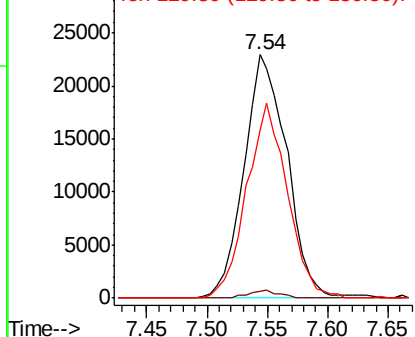
#28

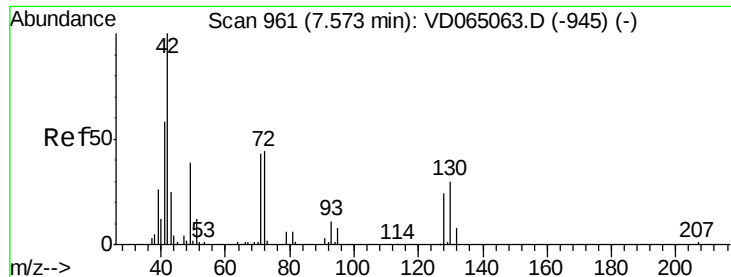
Bromochloromethane
Concen: 20.596 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	76.3	63.8	95.8



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





#29

Tetrahydrofuran

Concen: 103.946 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

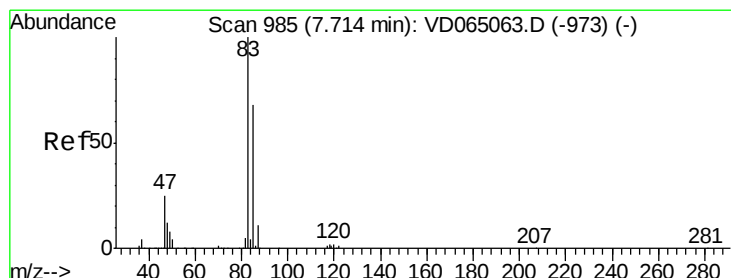
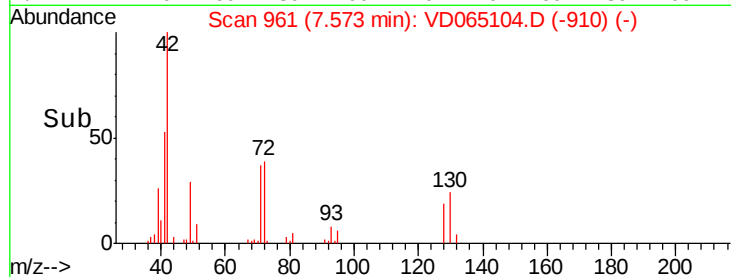
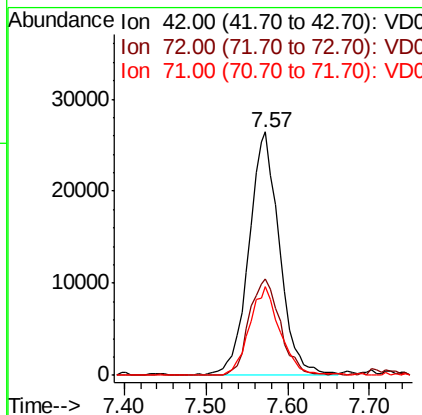
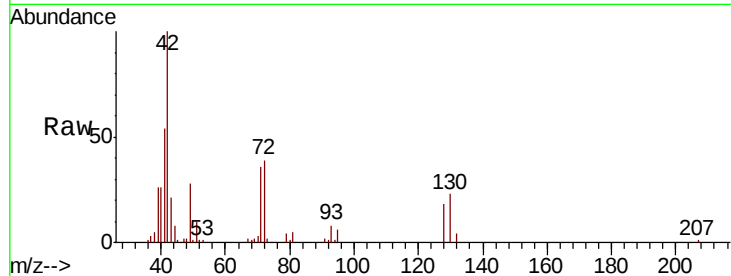
ClientSampleId :

VD0207SBS01

Tot Ion:	42	Resp:	68808
Ion Ratio	Lower	Upper	
42	100		
72	40.2	34.2	51.4
71	36.0	31.8	47.6

Manual Integrations
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#30

Chloroform

Concen: 22.064 ug/l

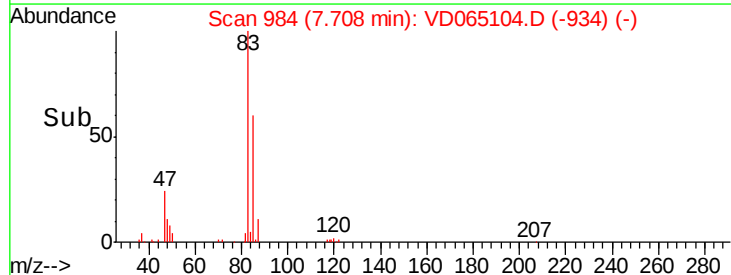
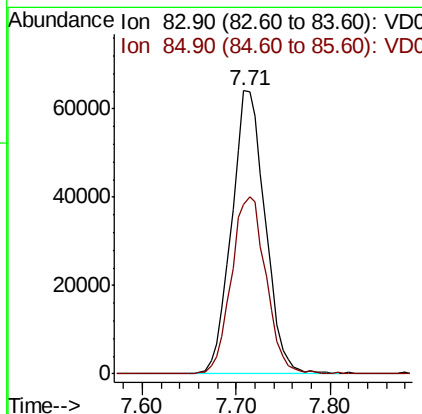
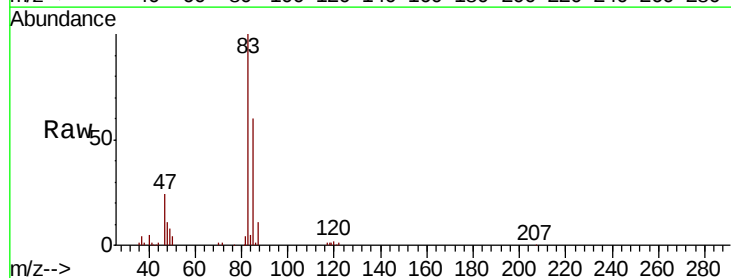
RT: 7.71 min Scan# 984

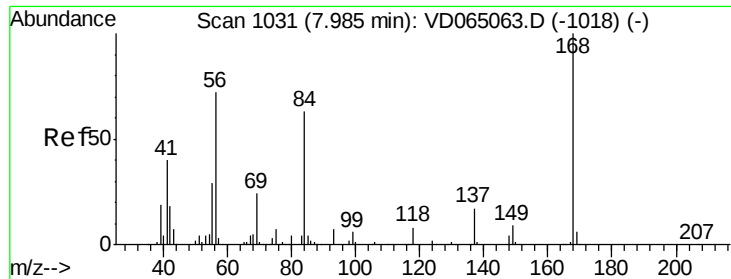
Delta R.T. -0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Tgt Ion:	83	Resp:	158913
Ion Ratio	Lower	Upper	
83	100		
85	60.0	54.2	81.4





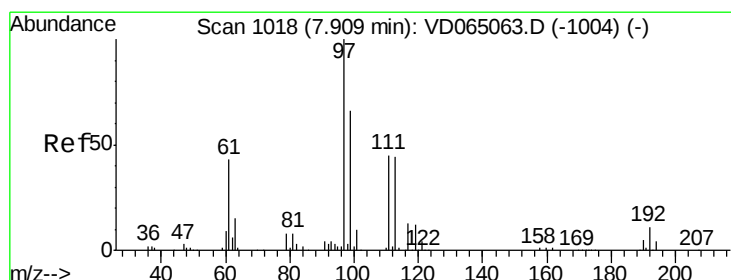
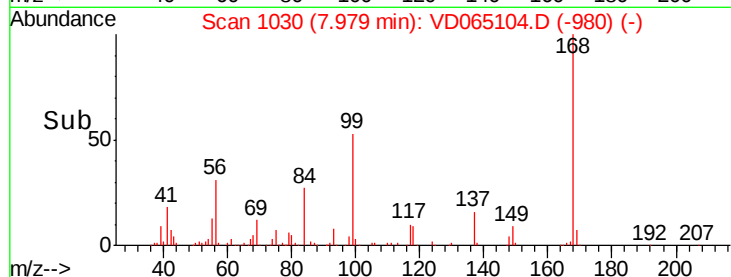
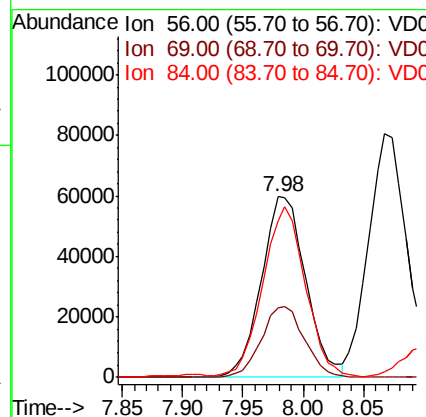
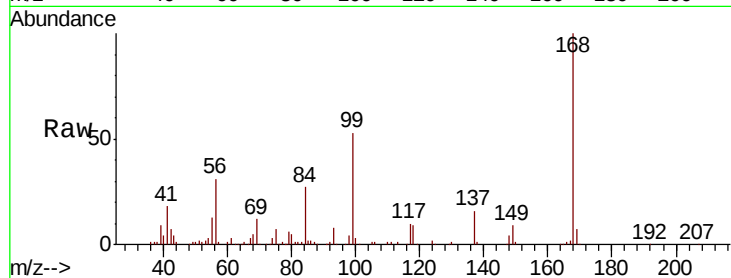
#31
Cyclohexane
Concen: 20.923 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.8	26.6	40.0
84	84.7	70.6	106.0

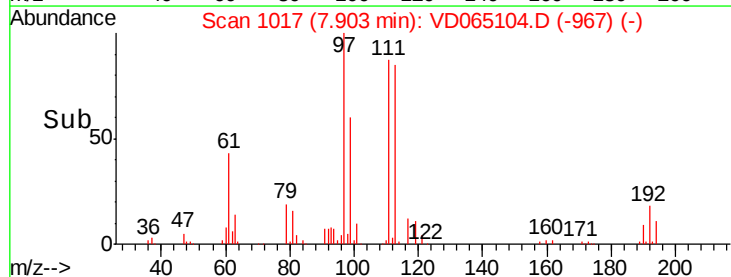
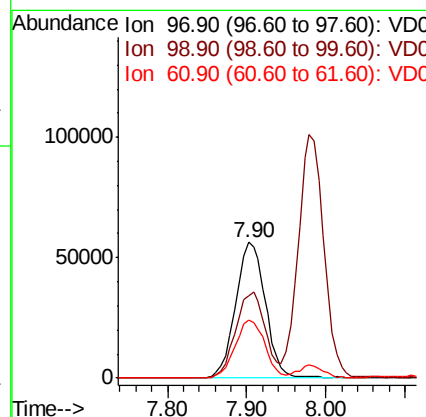
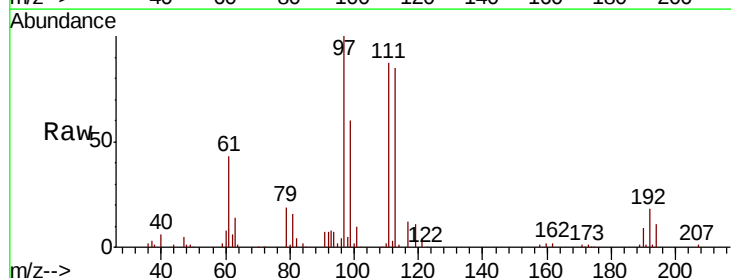
Manual Integrations
APPROVED

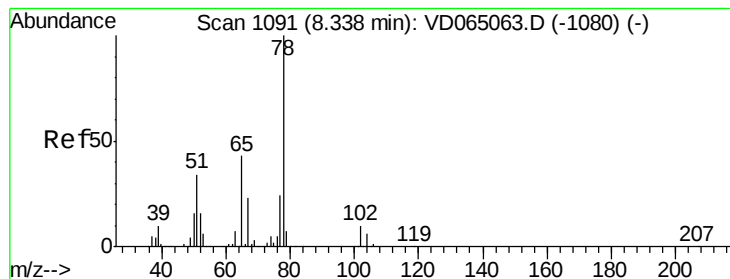
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.901 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	42.6	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 55.101 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 65 Resp: 202240

Ion Ratio Lower Upper

65 100

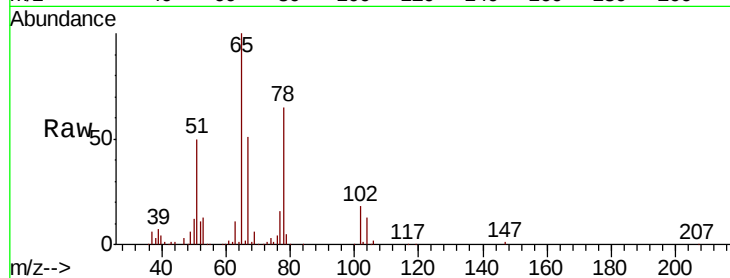
67 51.8 0.0 105.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

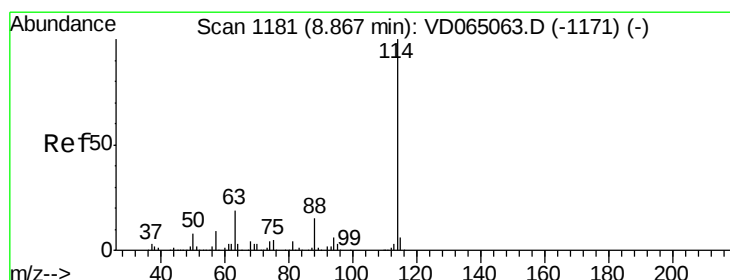
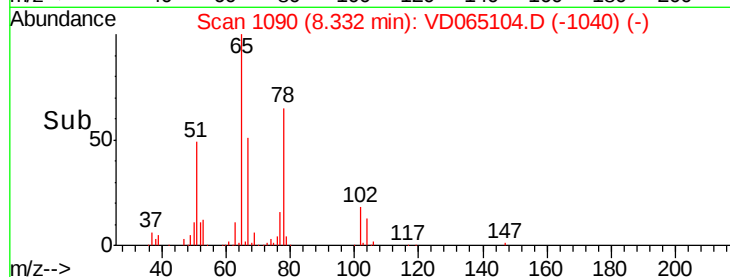
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

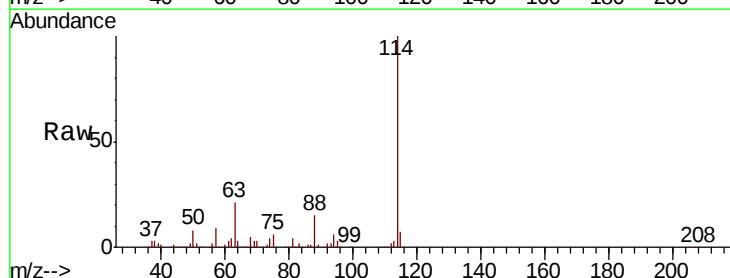
Tgt Ion: 114 Resp: 646912

Ion Ratio Lower Upper

114 100

63 21.4 0.0 38.8

88 15.5 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

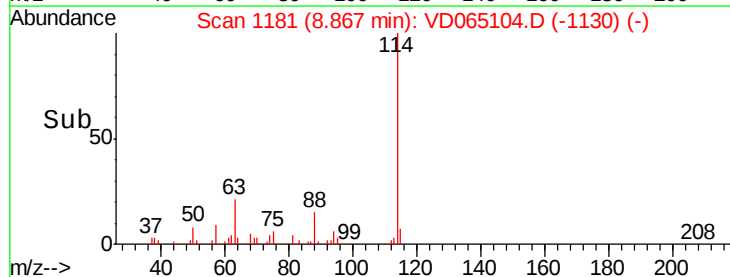
300000

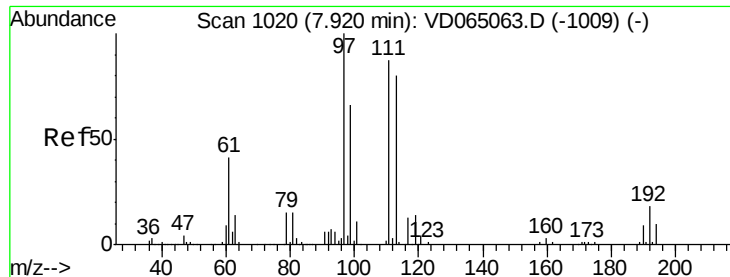
200000

100000

0

Time-->





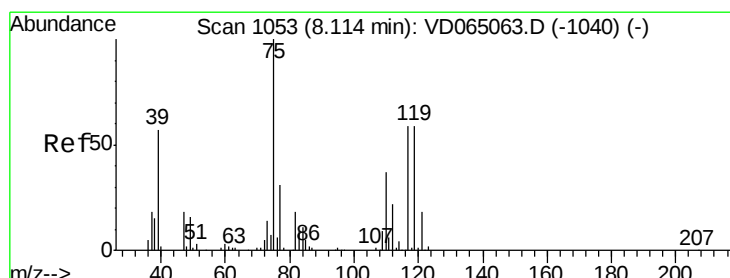
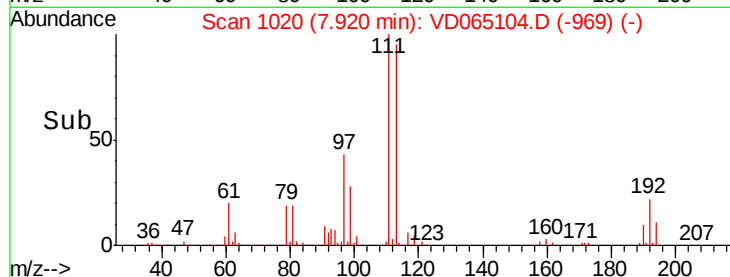
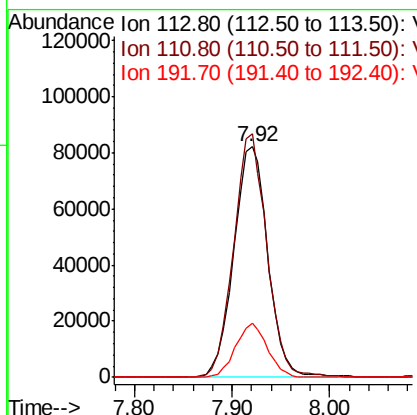
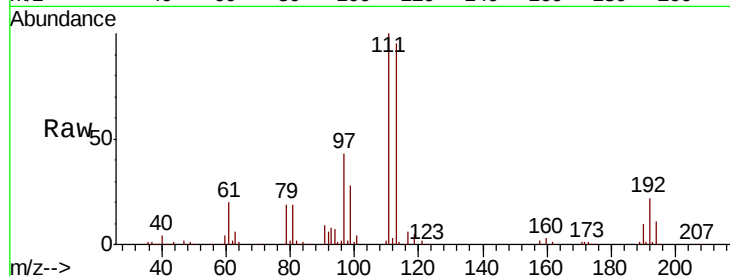
#35
 Dibromofluoromethane
 Concen: 55.137 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	199009		
111	102.8	83.1	124.7	
192	21.7	18.1	27.1	

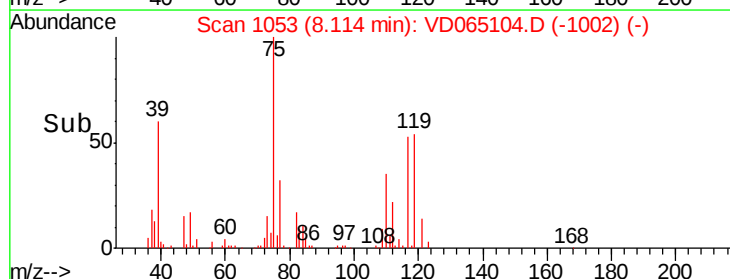
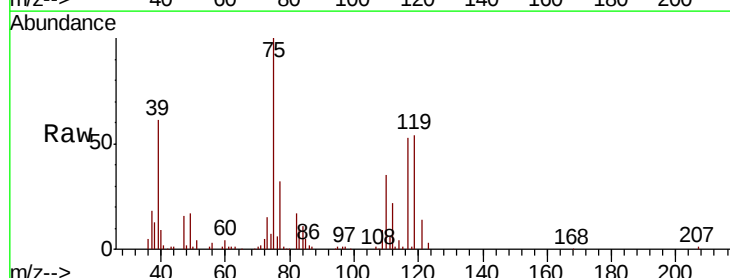
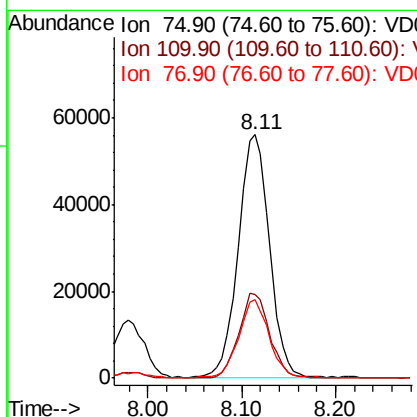
Manual Integrations
 APPROVED

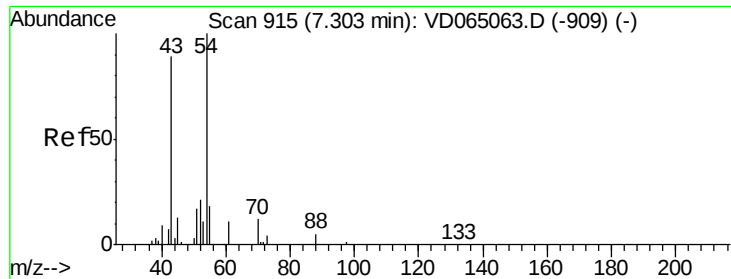
MMDadoda
 2/10/2020 5:40:02 PM



#36
 1,1-Dichloropropene
 Concen: 21.444 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128991		
110	34.3	18.1	54.3	
77	31.6	24.7	37.1	





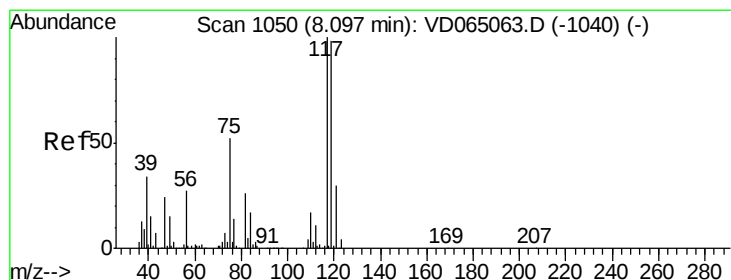
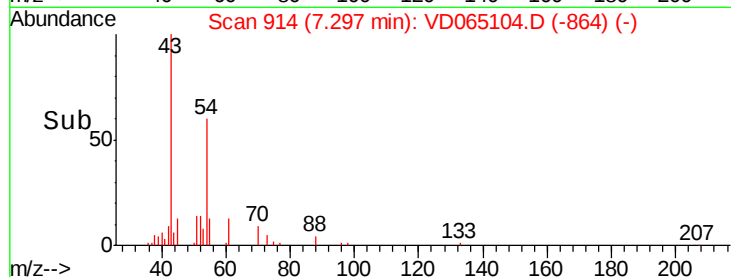
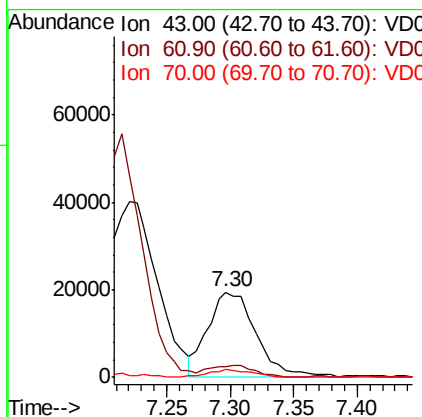
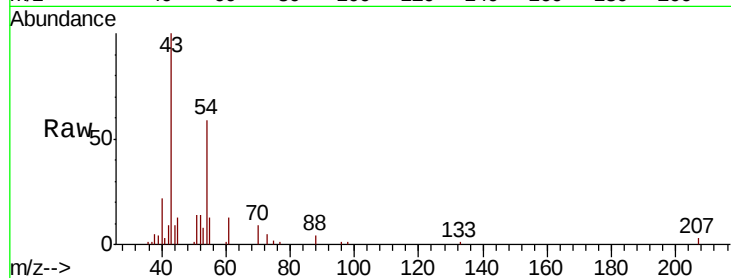
#37
Ethyl Acetate
Concen: 20.694 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	11.0	16.4
70	8.3	8.2	12.2

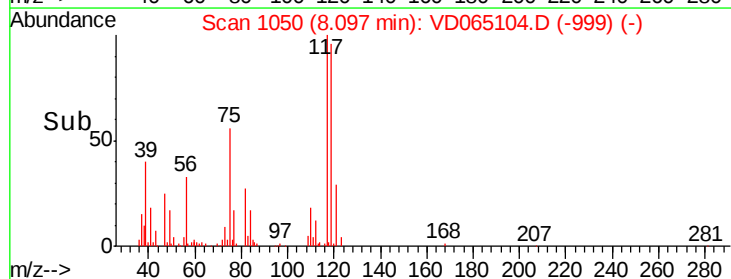
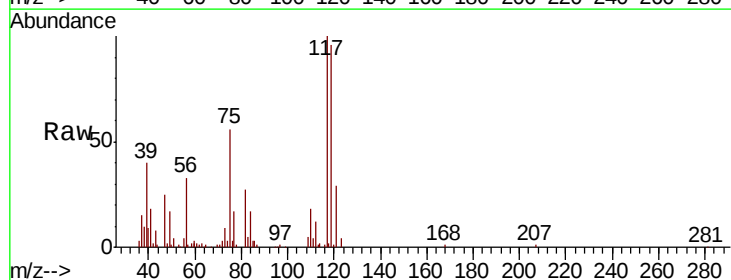
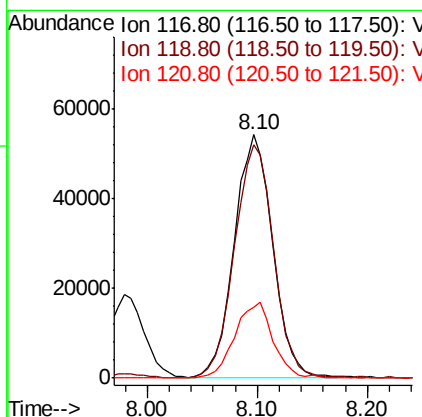
Manual Integrations
APPROVED

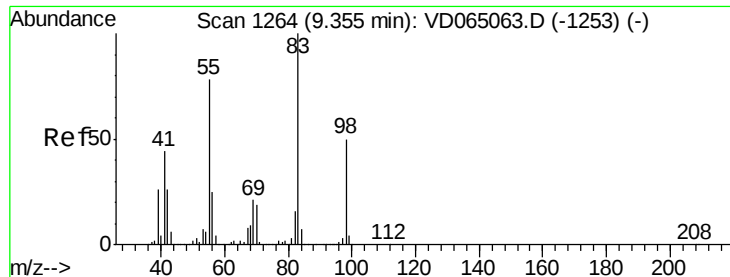
MMDadoda
2/10/2020 5:40:02 PM



#38
Carbon Tetrachloride
Concen: 21.687 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.5	117.7
121	29.2	23.8	35.6





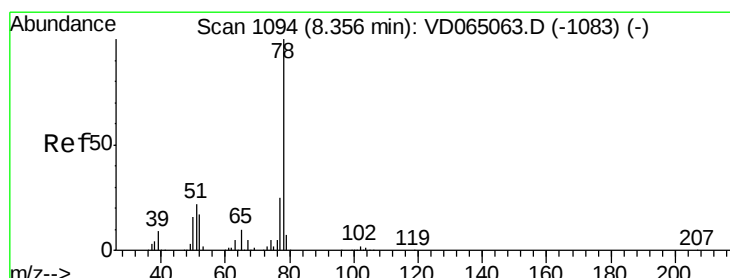
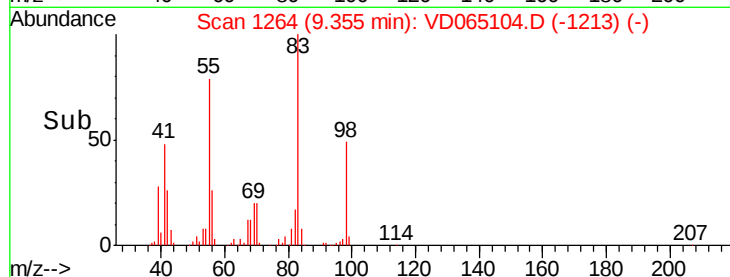
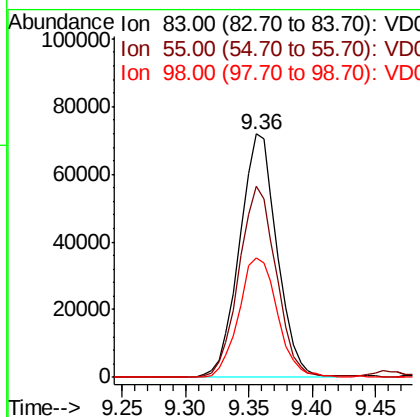
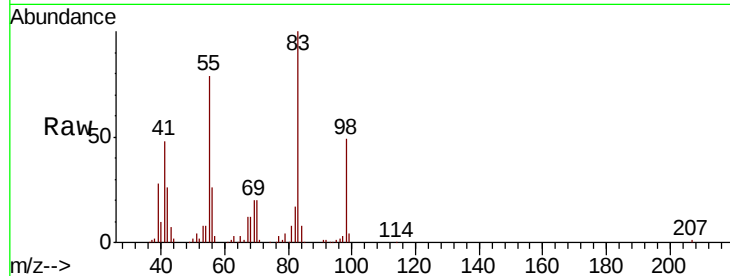
#39
Methvlcvclohexane
Concen: 19.960 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	148203		
55	78.8	62.0	93.0	
98	49.0	39.9	59.9	

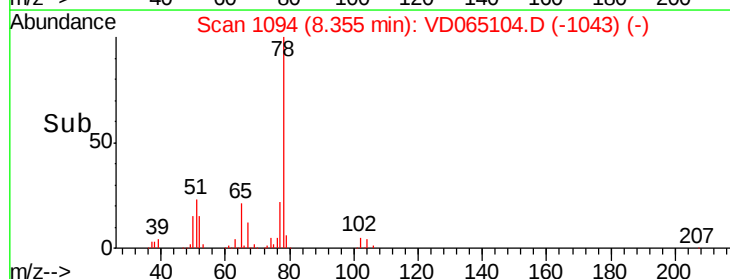
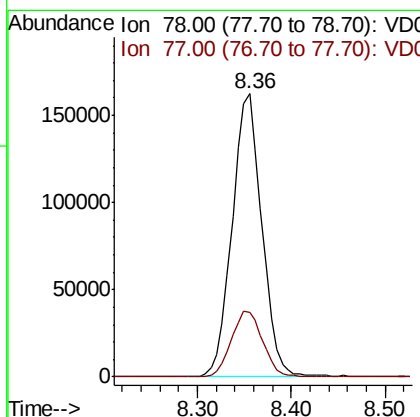
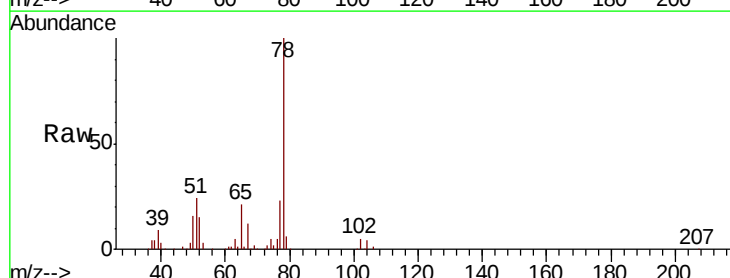
Manual Integrations
APPROVED

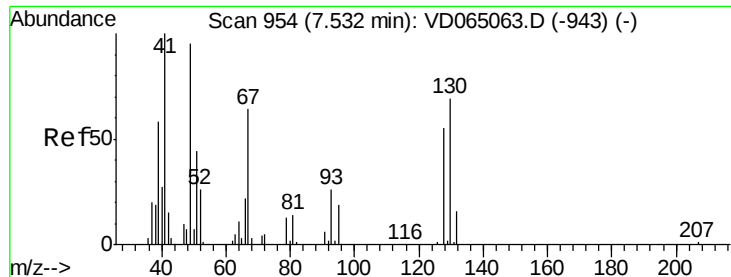
MMDadoda
2/10/2020 5:40:02 PM



#40
Benzene
Concen: 21.473 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	356696		
77	22.6	19.6	29.4	





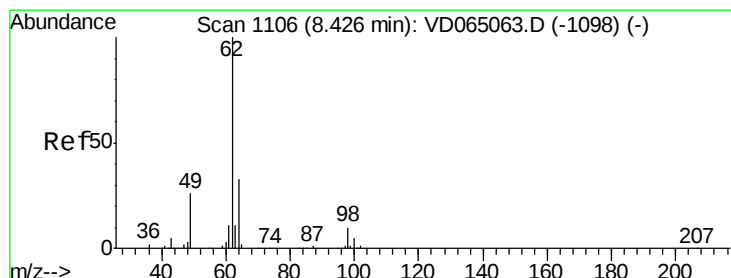
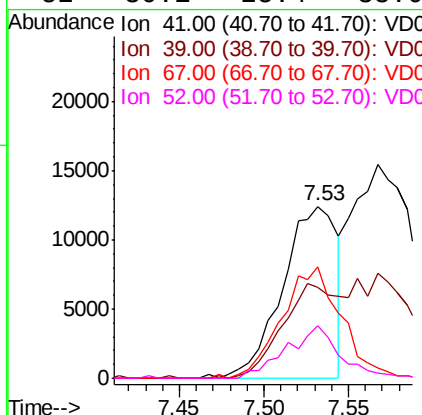
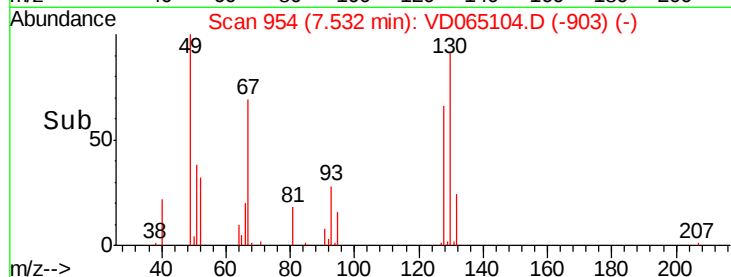
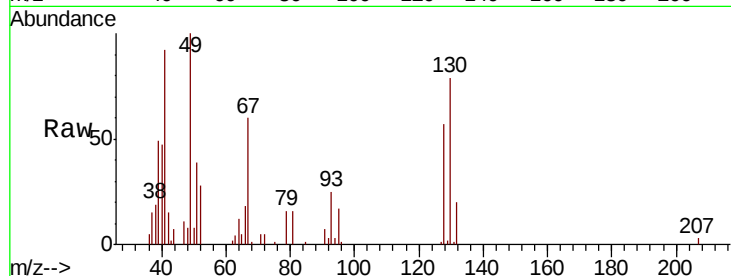
#41
Methacrylonitrile
Concen: 20.571 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.9	55.4	83.0
67	70.6	59.0	88.6
52	30.1	25.4	38.0

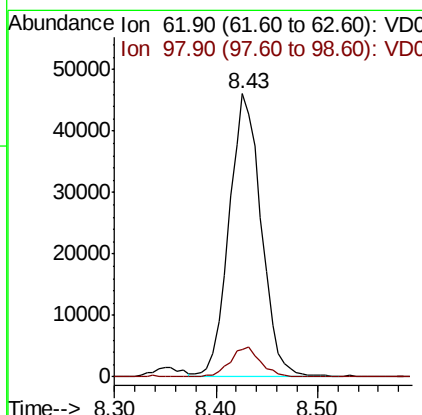
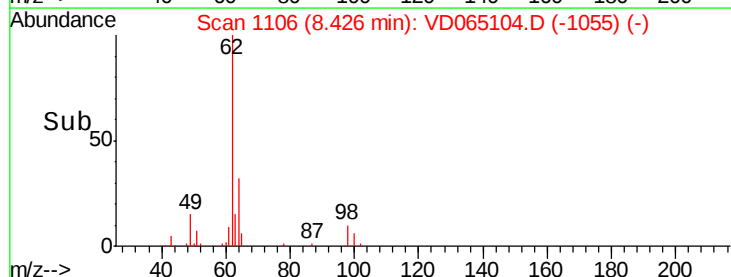
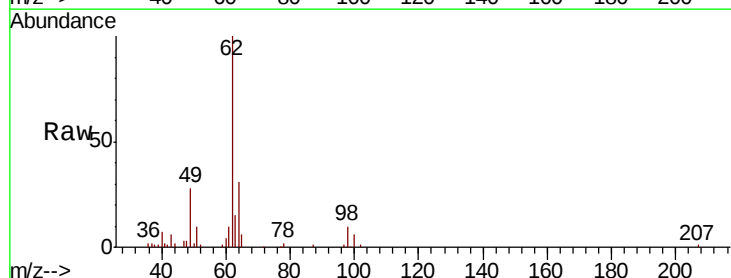
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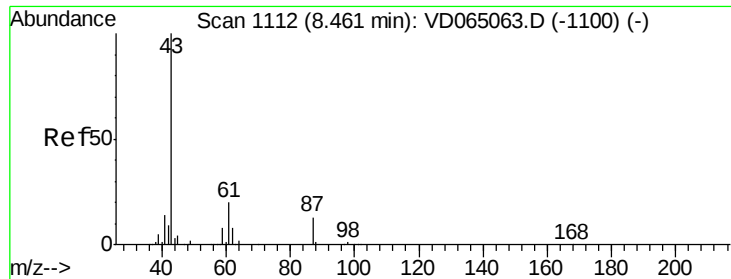
MMDadoda
2/10/2020 5:40:02 PM



#42
1,2-Dichloroethane
Concen: 21.416 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.6





#43

Isopropyl Acetate

Concen: 19.924 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

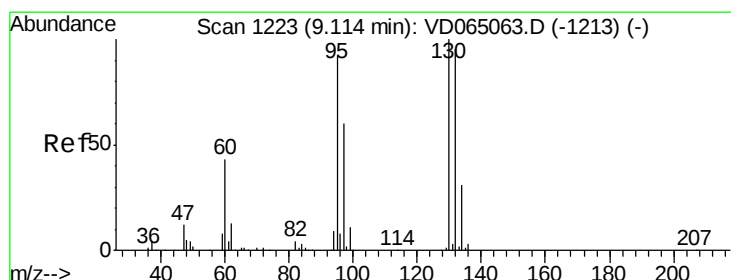
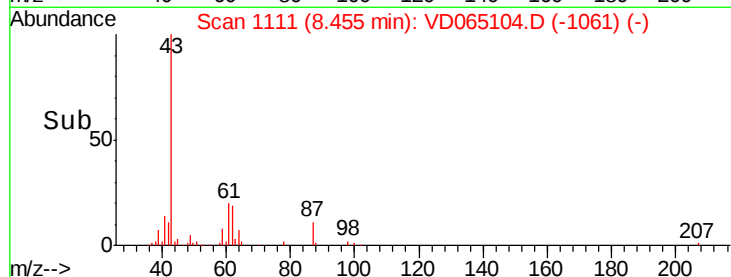
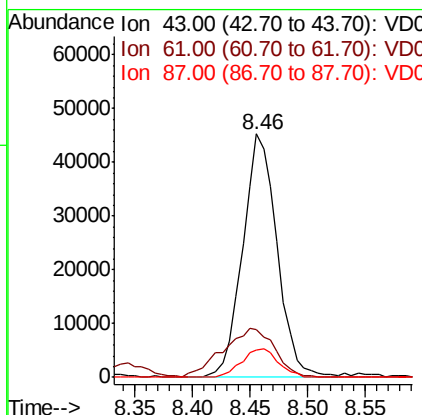
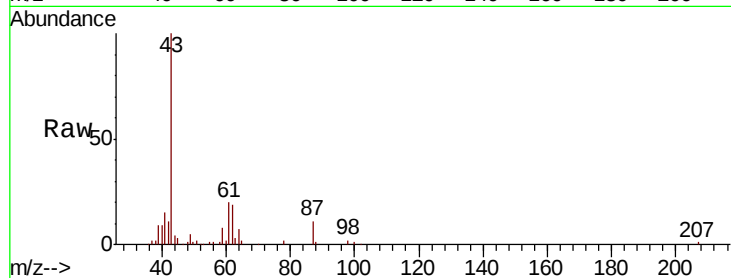
ClientSampleId :

VD0207SBS01

Tot Ion:	43	Resp:	93660
Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.0	36.0
87	12.5	10.2	15.4

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#44

Trichloroethene

Concen: 20.583 ug/l

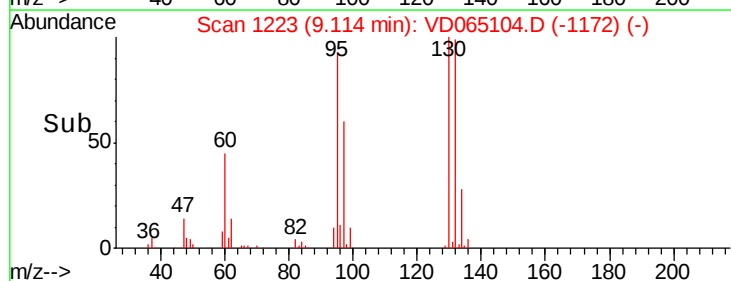
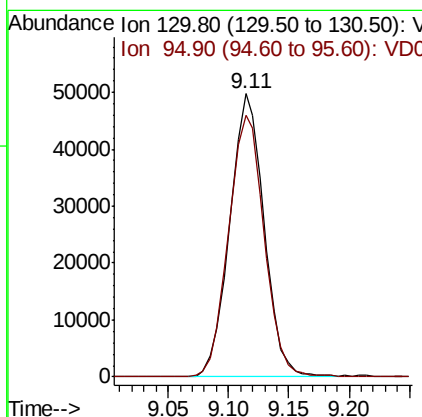
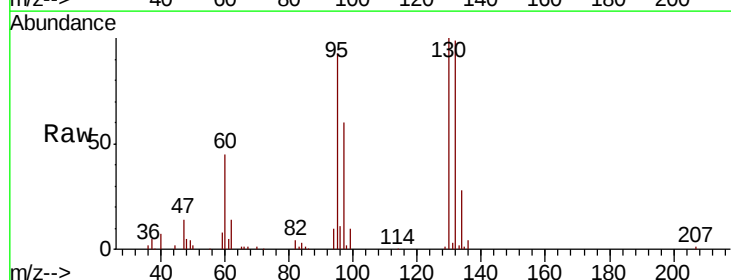
RT: 9.11 min Scan# 1223

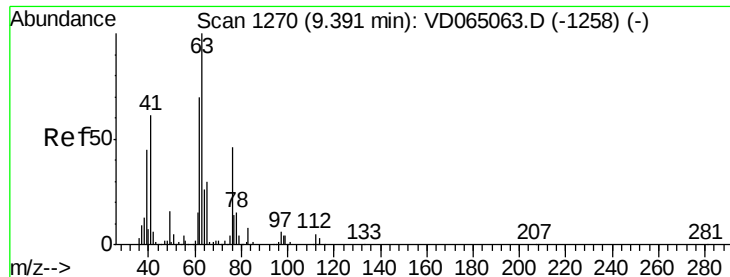
Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Tgt Ion:	130	Resp:	98140
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	185.0





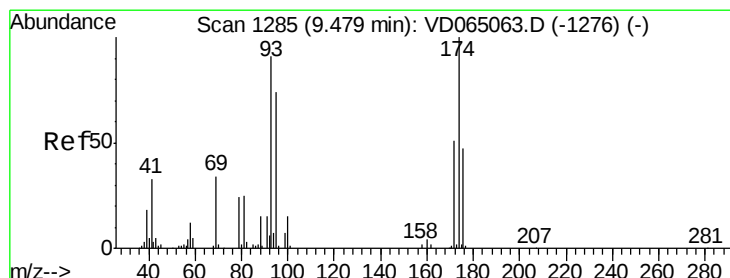
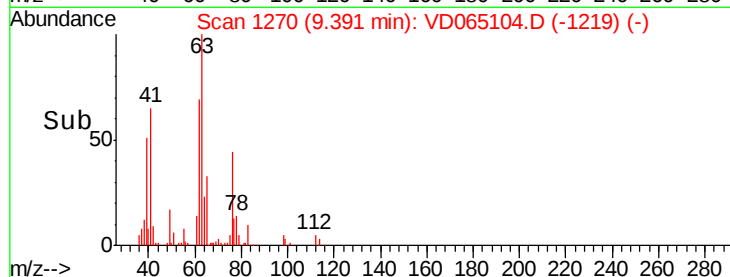
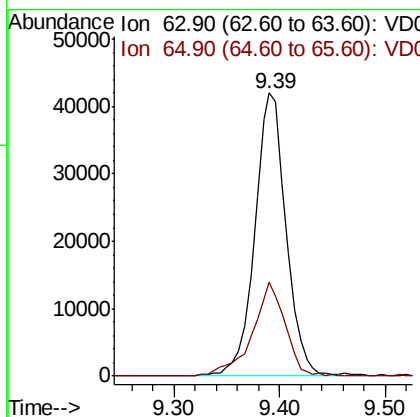
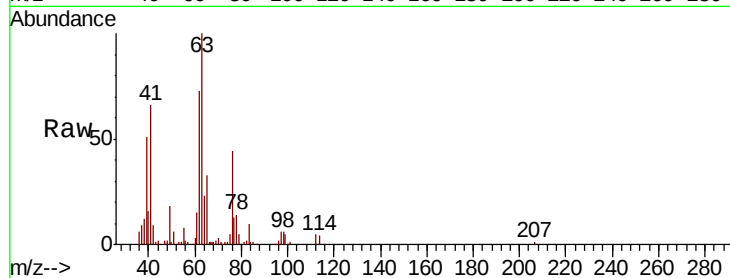
#45
 1,2-Dichloropropane
 Concen: 21.699 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Tot Ion	63	Resp	86420
Ion Ratio	Lower	Upper	
63	100		
65	33.0	23.9	35.9

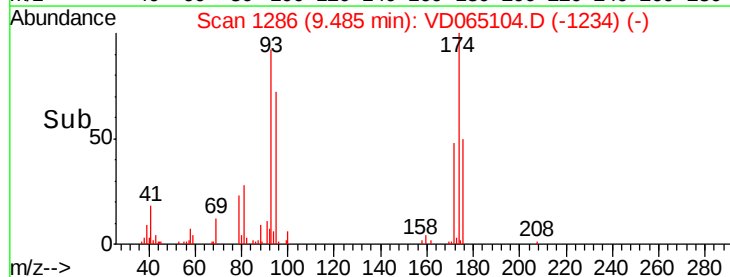
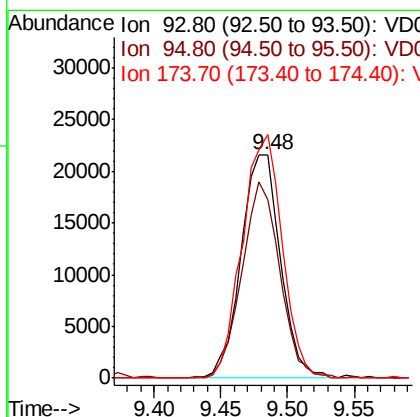
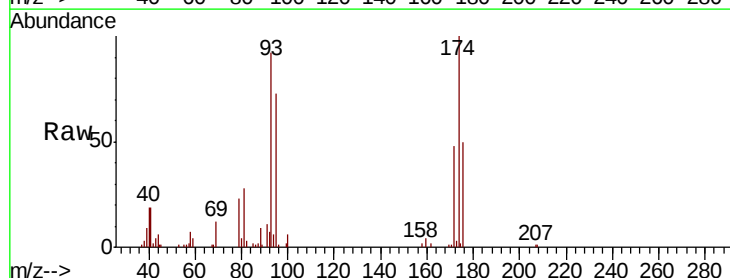
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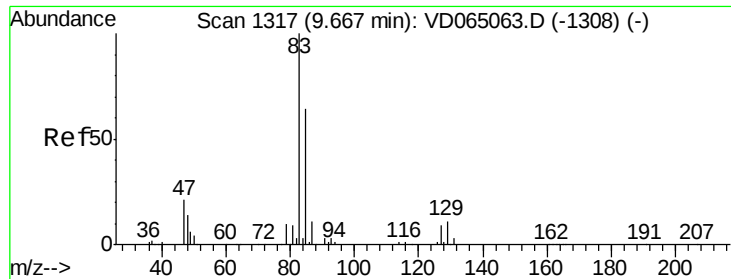
MMDadoda
 2/10/2020 5:40:02 PM



#46
 Dibromomethane
 Concen: 21.075 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion	93	Resp	44106
Ion Ratio	Lower	Upper	
93	100		
95	84.6	66.5	99.7
174	110.4	89.8	134.8





#47

Bromodichloromethane

Concen: 22.058 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

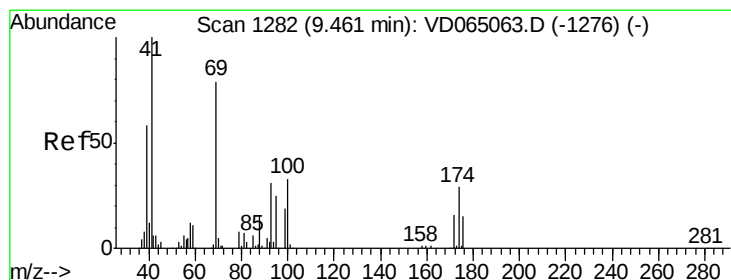
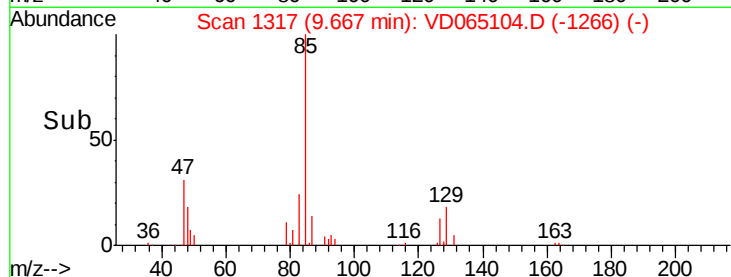
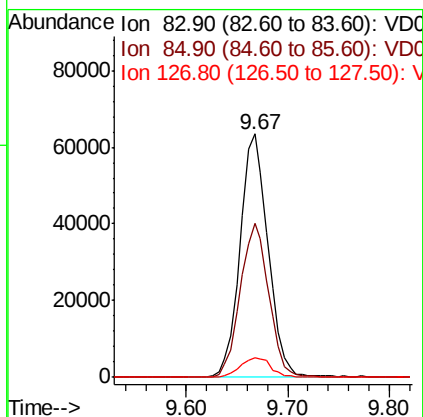
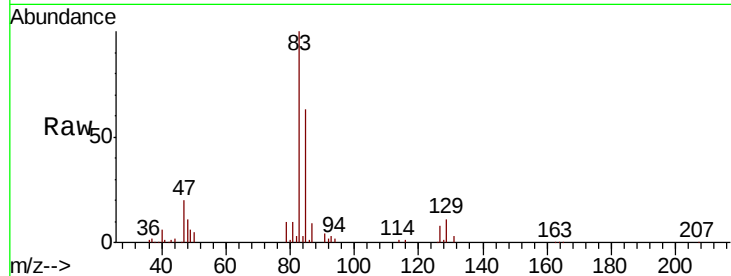
ClientSampleId :

VD0207SBS01

Tot Ion:	83	Resp:	121634
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.0	76.6
127	7.9	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.751 ug/l

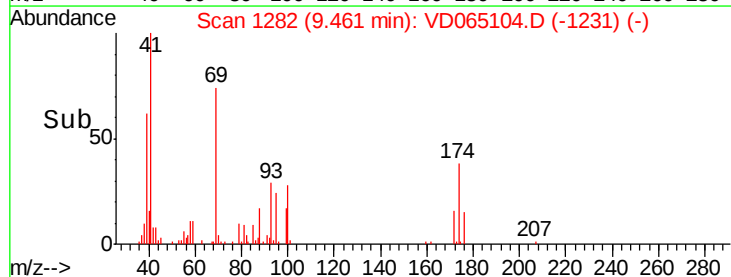
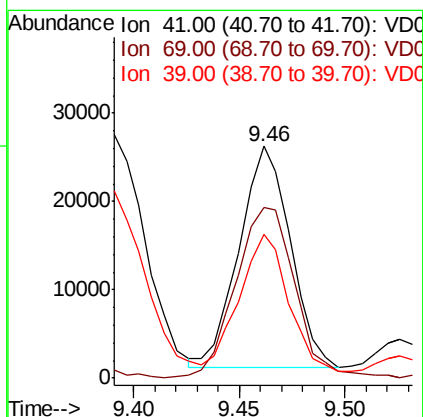
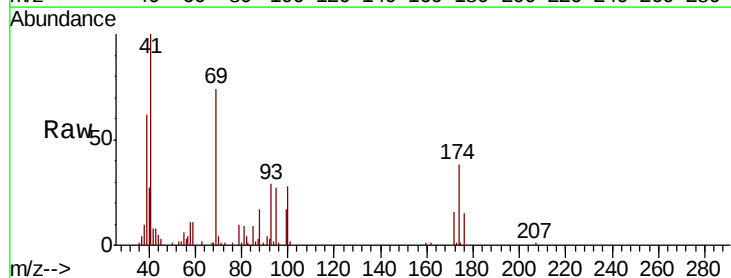
RT: 9.46 min Scan# 1282

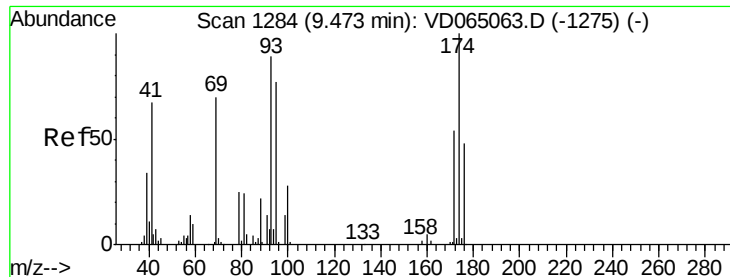
Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Tgt Ion:	41	Resp:	42416
Ion	Ratio	Lower	Upper
41	100		
69	89.6	67.5	101.3
39	59.3	47.0	70.4





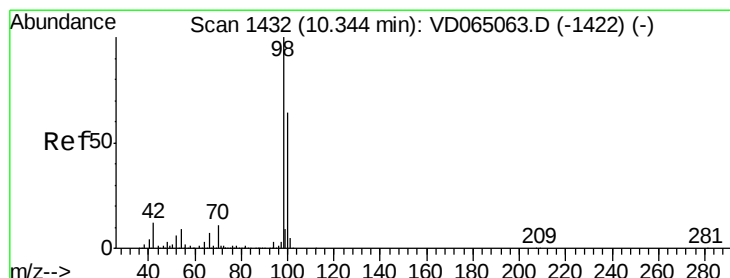
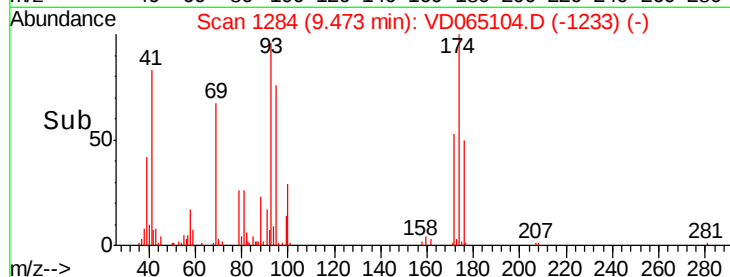
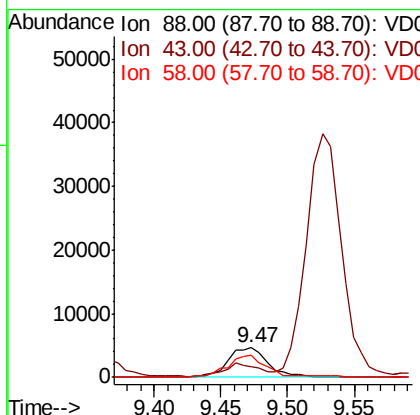
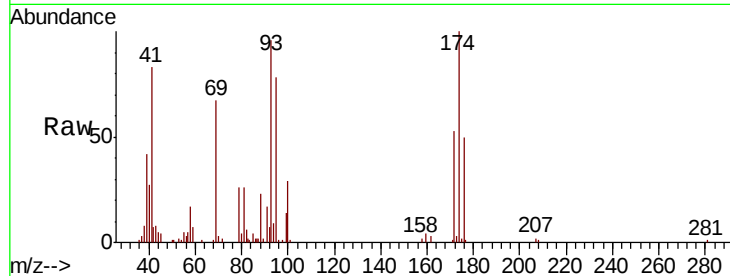
#49
1,4-Dioxane
Concen: 393.217 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.2	27.7	41.5#
58	70.7	55.5	83.3

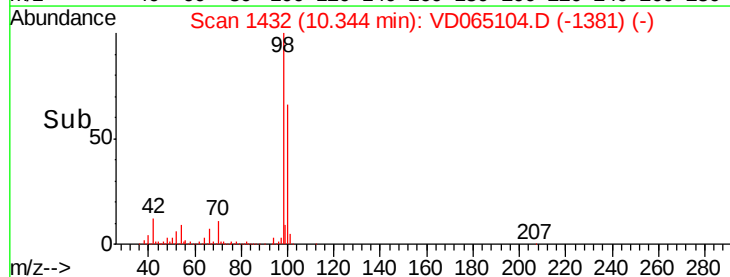
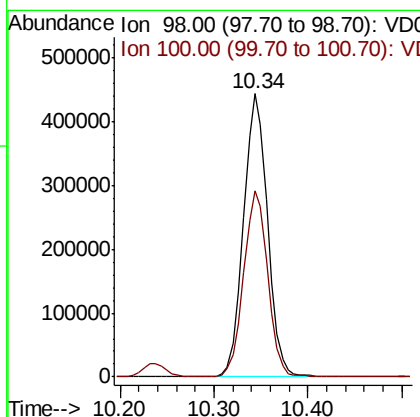
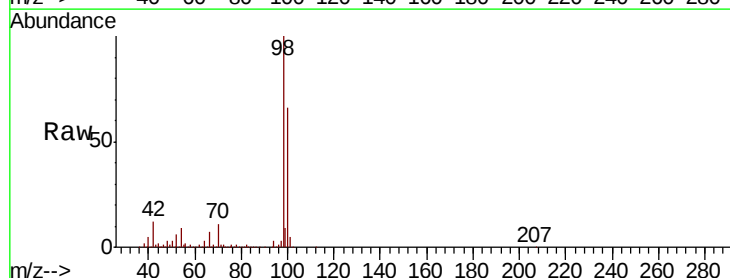
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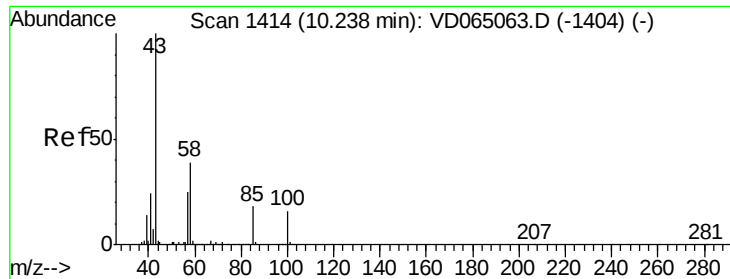
MMDadoda
2/10/2020 5:40:02 PM



#50
Toluene-d8
Concen: 54.675 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 102.794 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 43 Resp: 237853

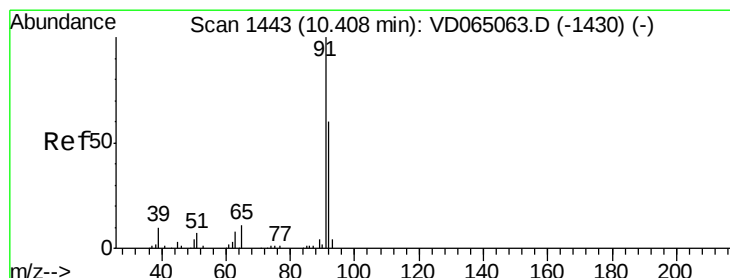
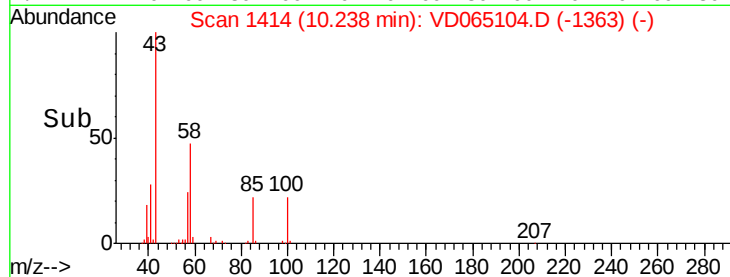
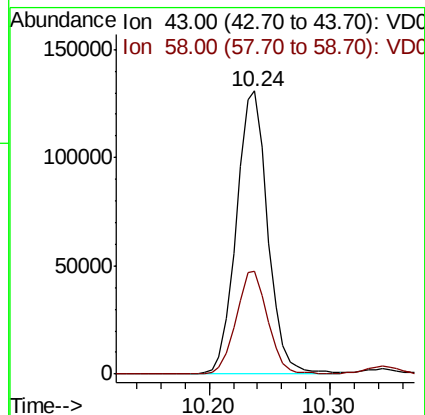
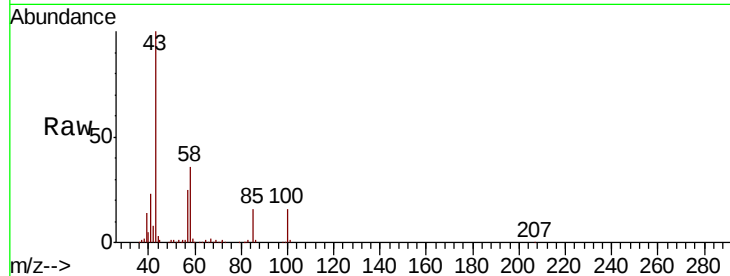
Ion Ratio Lower Upper

43 100

58 36.6 30.2 45.2

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#52

Toluene

Concen: 21.365 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065104.D

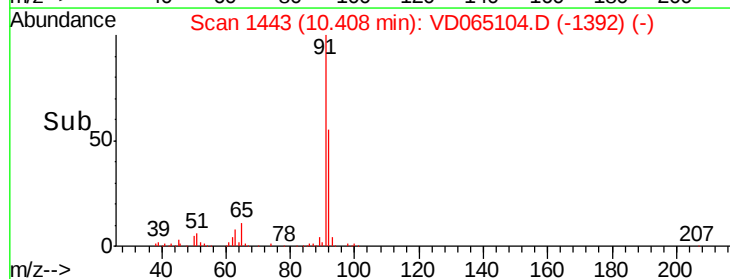
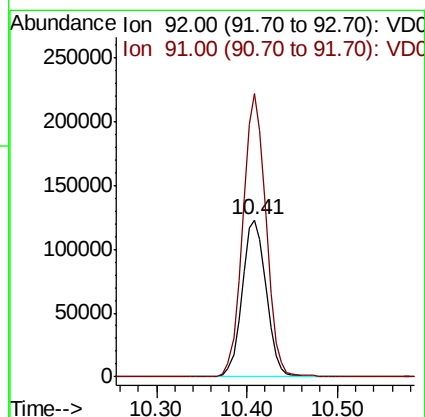
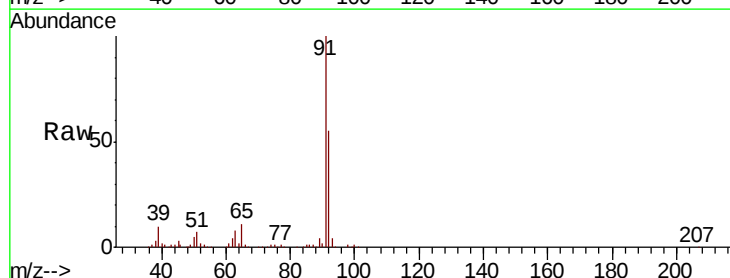
Acq: 07 Feb 2020 12:29

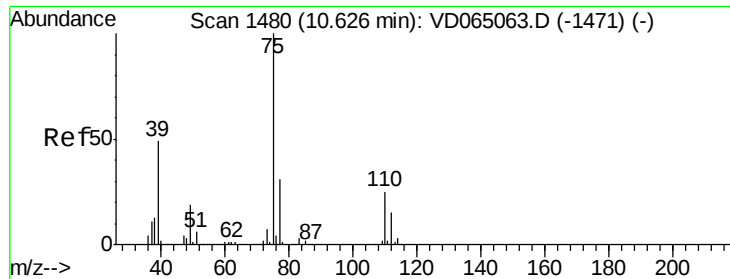
Tgt Ion: 92 Resp: 226511

Ion Ratio Lower Upper

92 100

91 173.8 135.3 202.9





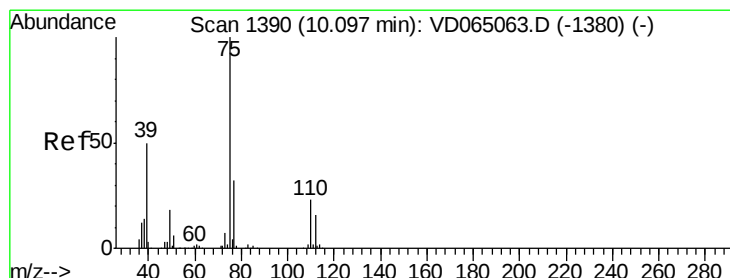
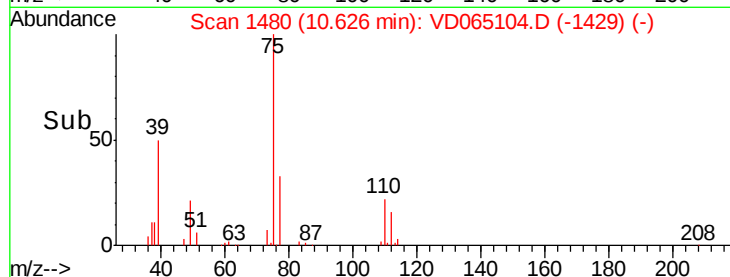
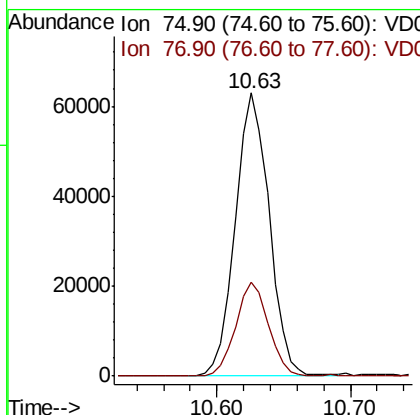
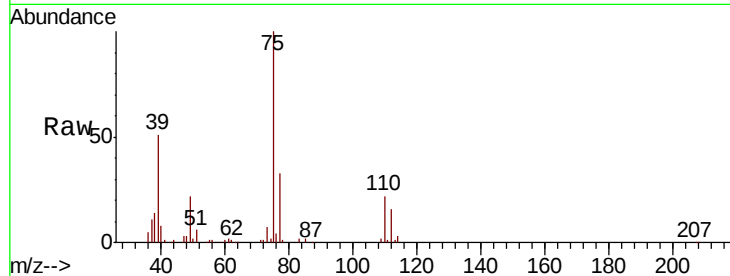
#53
t-1,3-Dichloropropene
Concen: 20.664 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion: 75 Resp: 110944
Ion Ratio Lower Upper
75 100
77 33.0 24.9 37.3

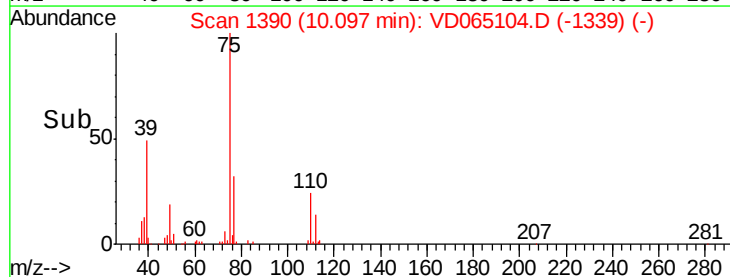
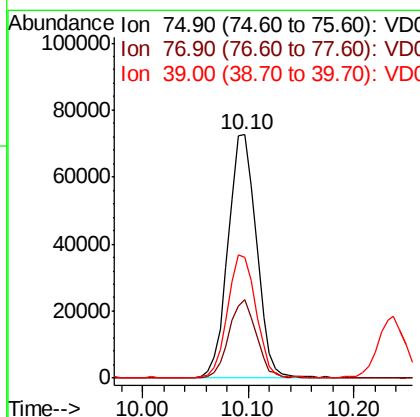
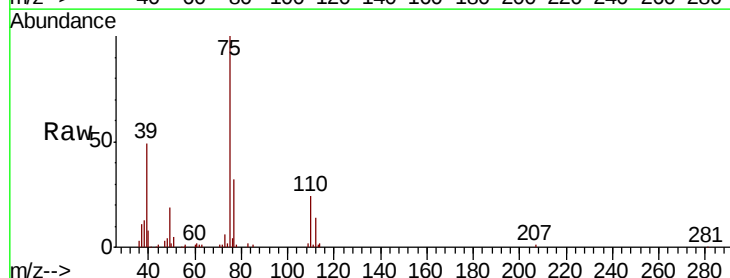
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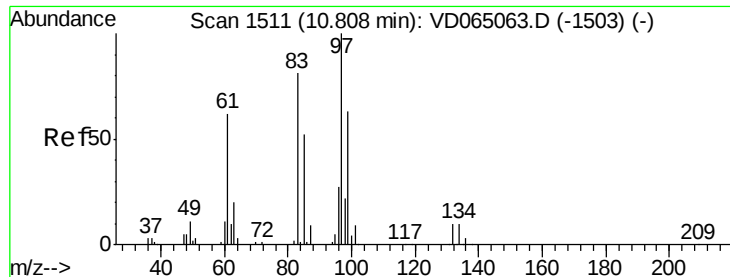
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.024 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion: 75 Resp: 135003
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9
39 49.3 40.3 60.5





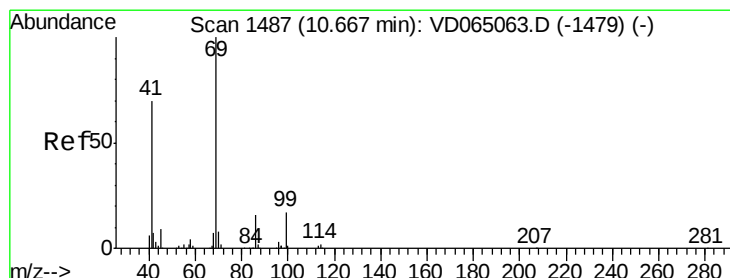
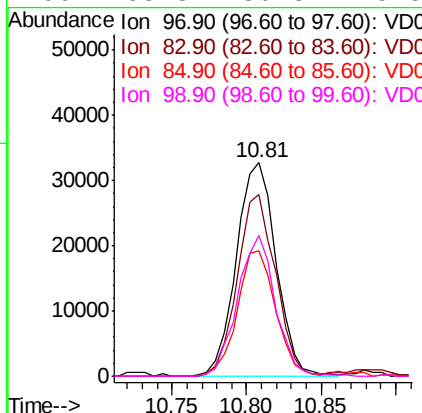
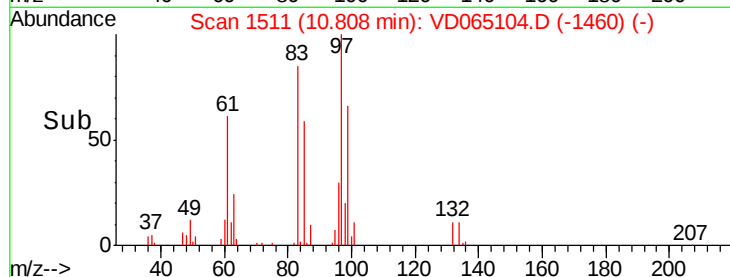
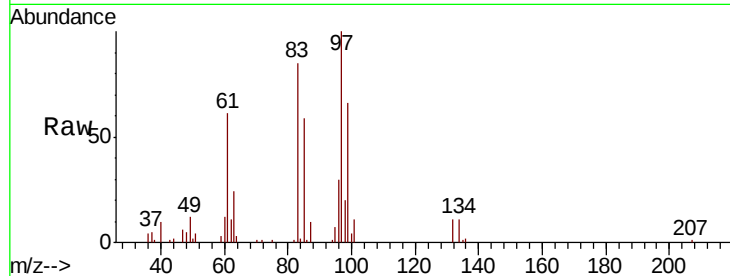
#55
 1,1,2-Trichloroethane
 Concen: 21.104 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Tot Ion:	97	Resp:	60581
Ion	Ratio	Lower	Upper
97	100		
83	85.3	64.8	97.2
85	58.5	41.2	61.8
99	65.8	50.3	75.5

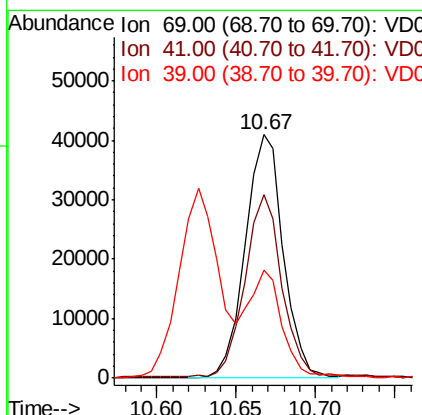
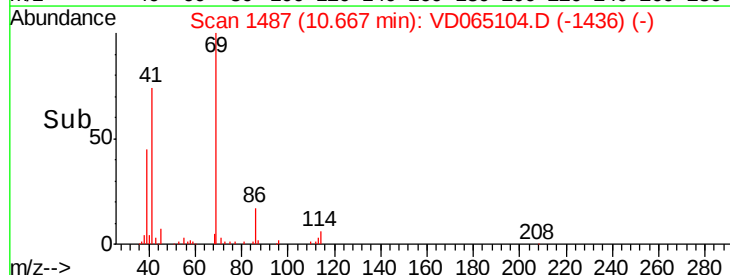
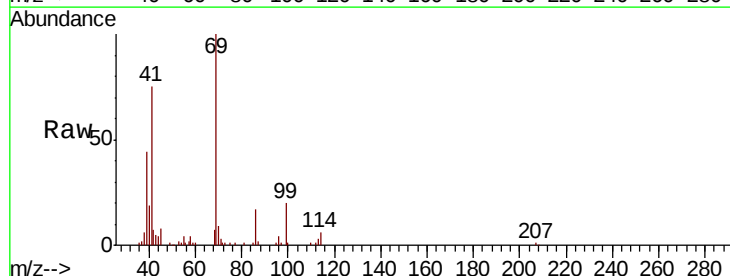
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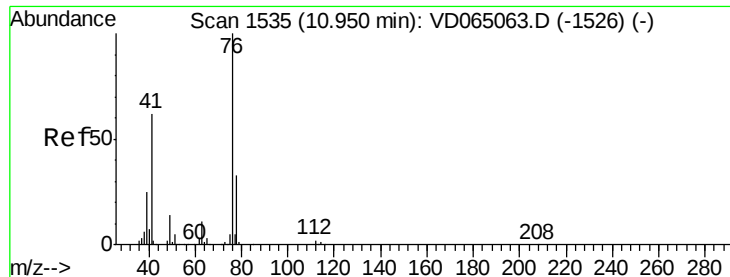
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 18.758 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion:	69	Resp:	68132
Ion	Ratio	Lower	Upper
69	100		
41	76.5	55.9	83.9
39	40.9	29.4	44.0





#57

1,3-Dichloropropane

Concen: 20.931 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 76 Resp: 105655

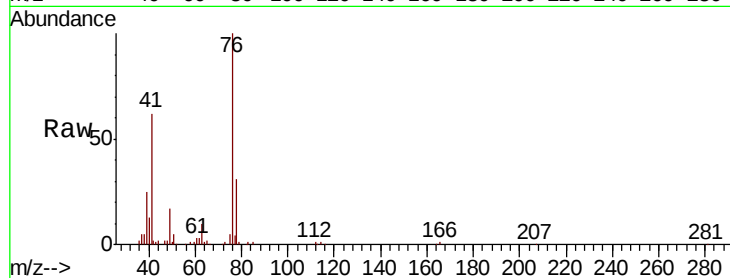
Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6

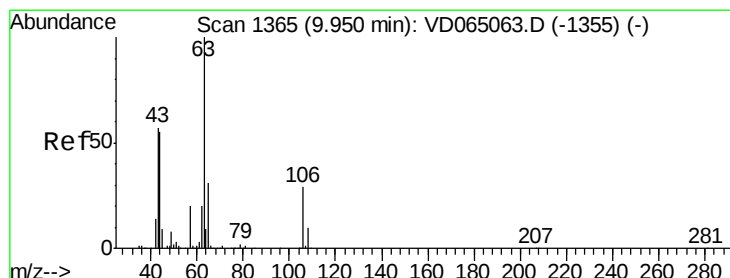
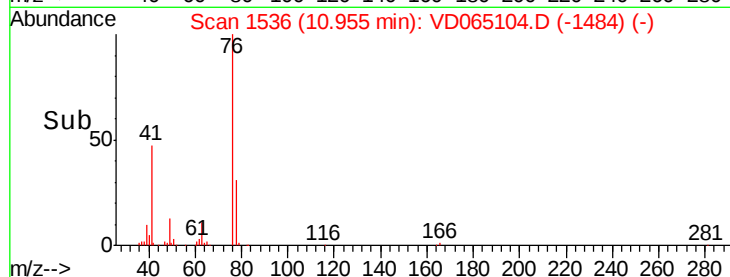
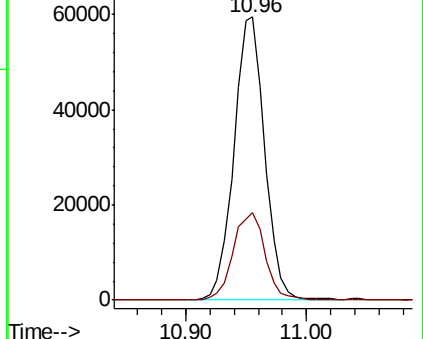
Manual Integrations
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2/10/2020 5:40:02 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 85.755 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065104.D

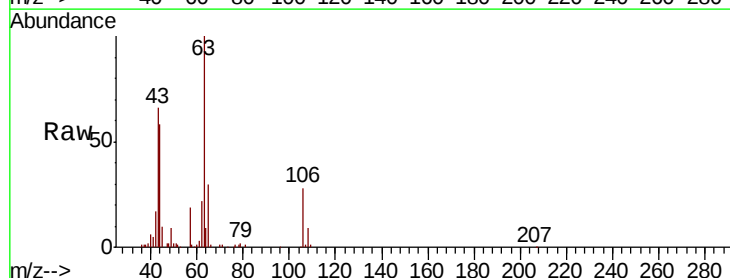
Acq: 07 Feb 2020 12:29

Tgt Ion: 63 Resp: 115290

Ion Ratio Lower Upper

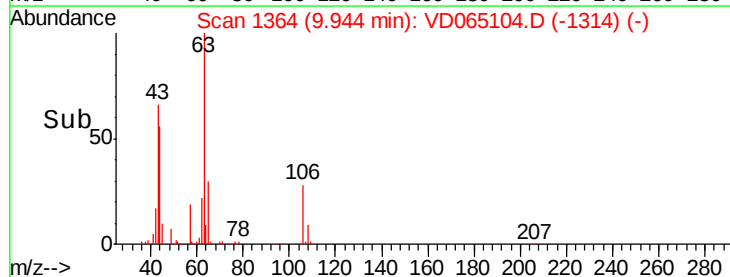
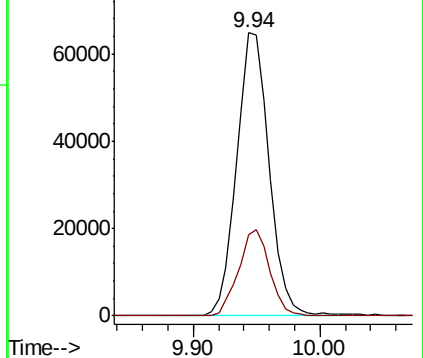
63 100

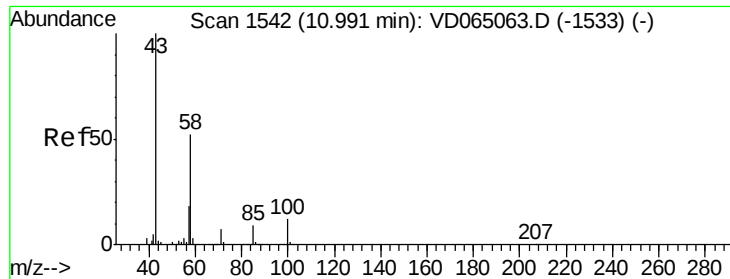
106 29.3 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





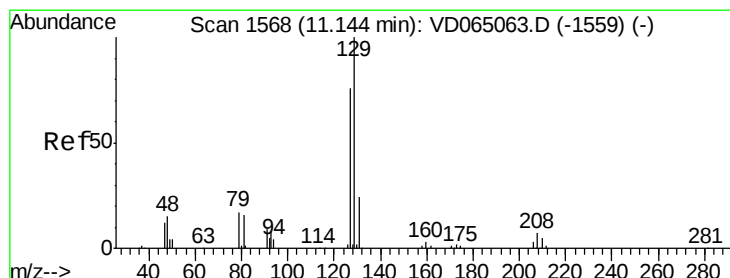
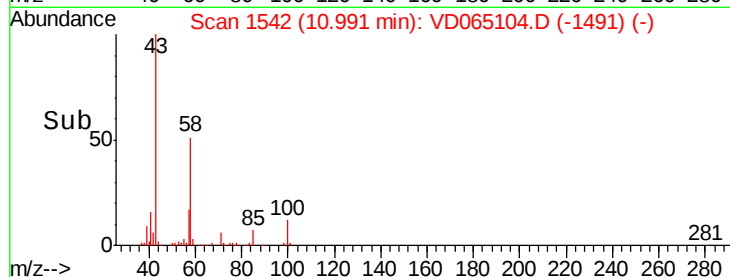
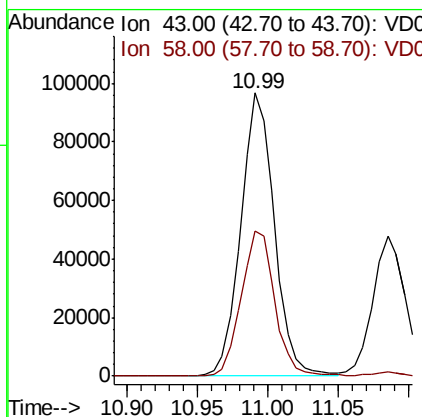
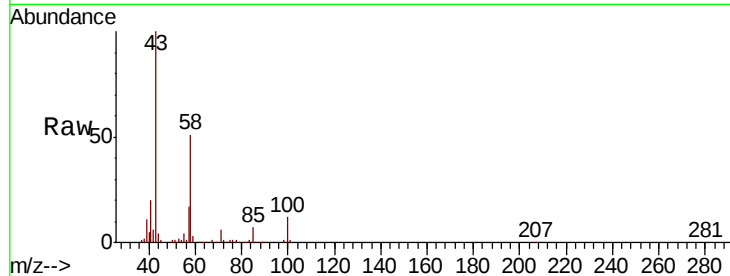
#59
2-Hexanone
Concen: 98.363 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.0	26.2	78.6

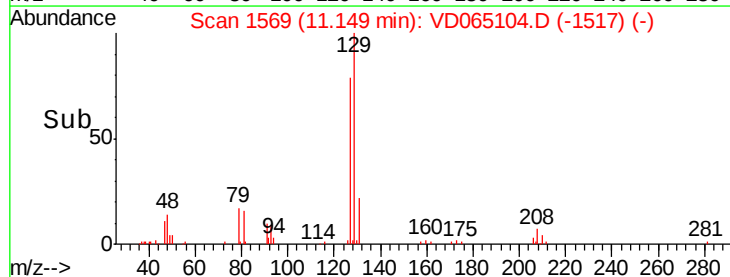
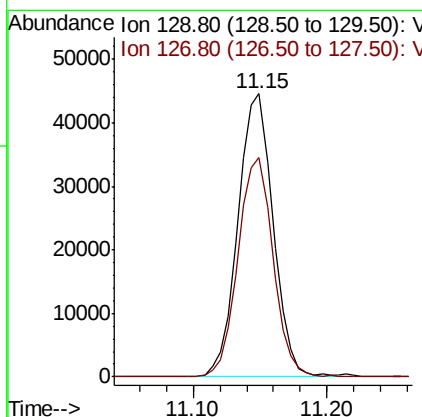
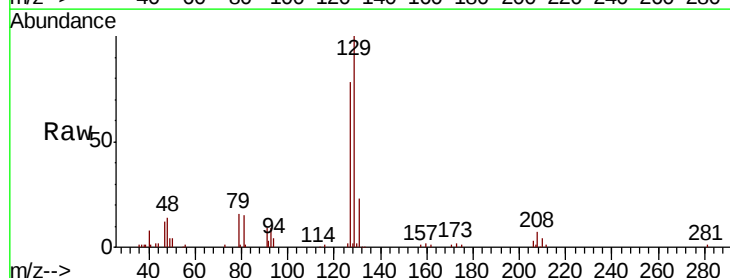
Manual Integrations
APPROVED

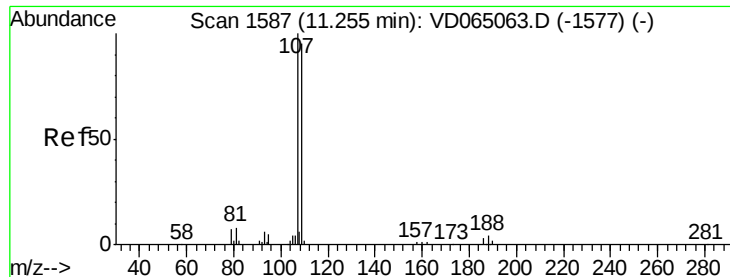
MMDadoda
2/10/2020 5:40:02 PM



#60
Dibromochloromethane
Concen: 21.840 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.3	114.9





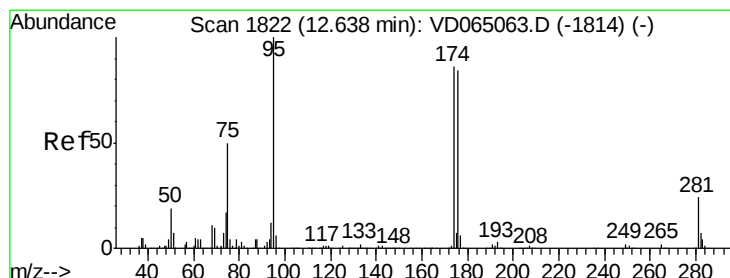
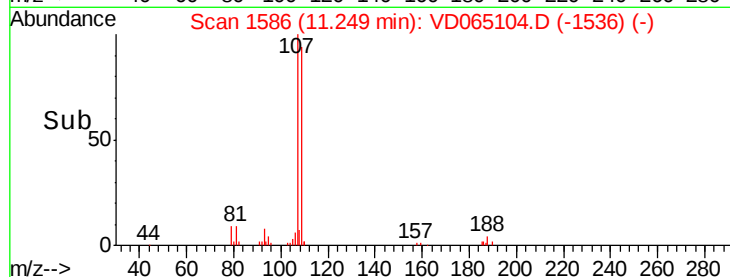
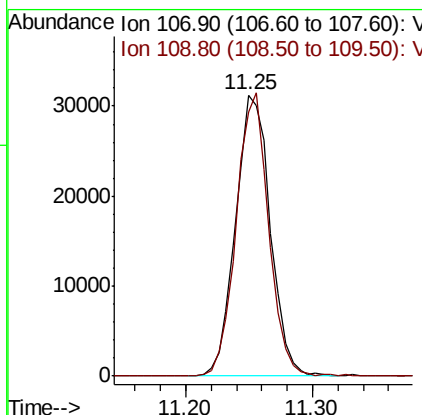
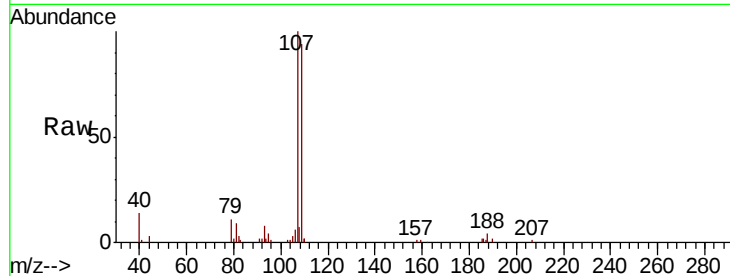
#61
 1,2-Dibromoethane
 Concen: 21.096 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Tot Ion: 107 Resp: 59173
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.5 113.3

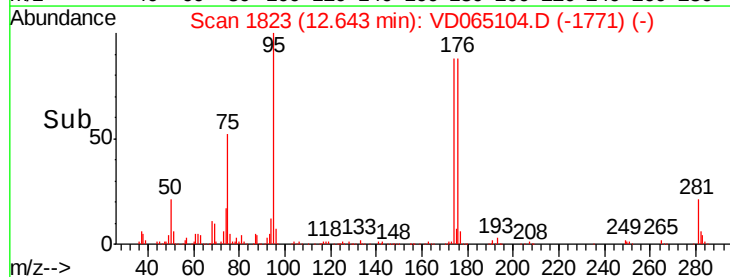
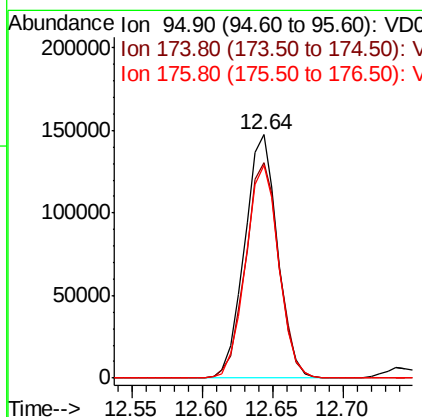
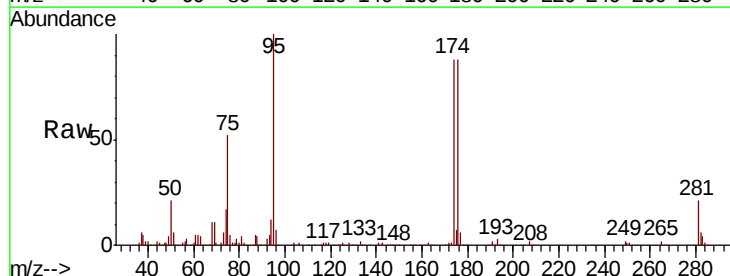
Manual Integrations
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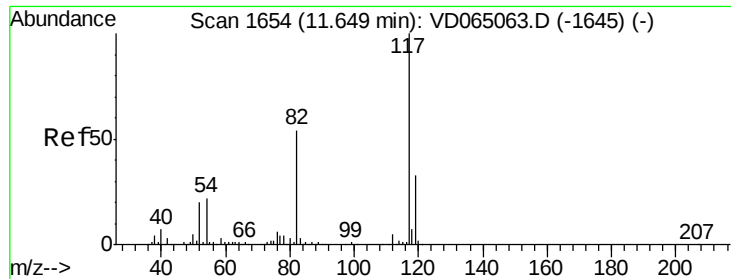
MMDadoda
 2/10/2020 5:40:02 PM



#62
 4-Bromofluorobenzene
 Concen: 53.070 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion: 95 Resp: 241582
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 180.0
 176 87.8 0.0 173.2





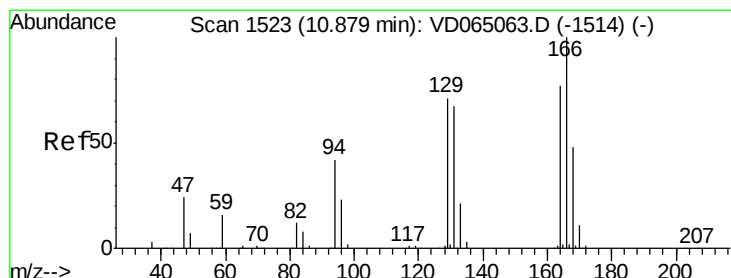
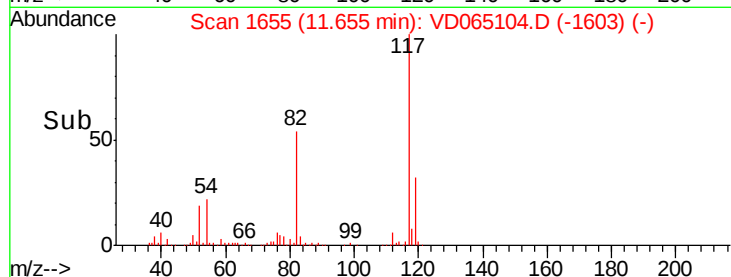
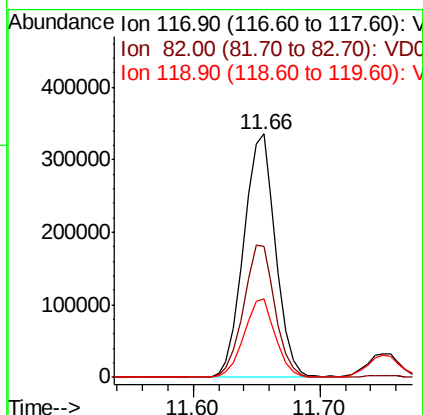
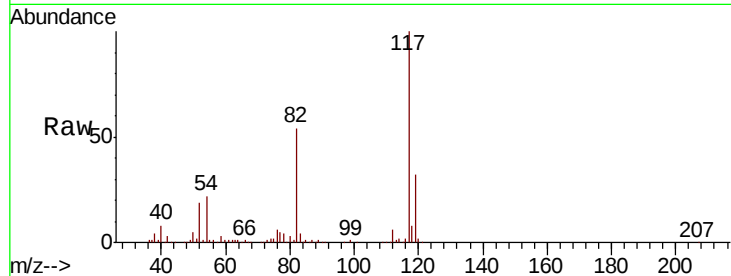
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	584742		
82	53.8		43.1	64.7
119	32.3		26.0	39.0

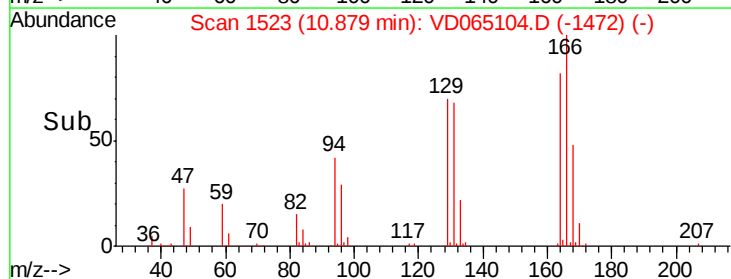
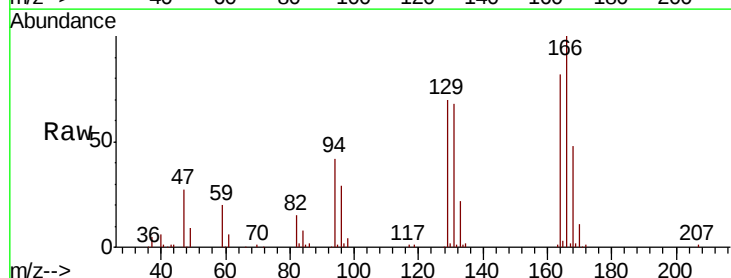
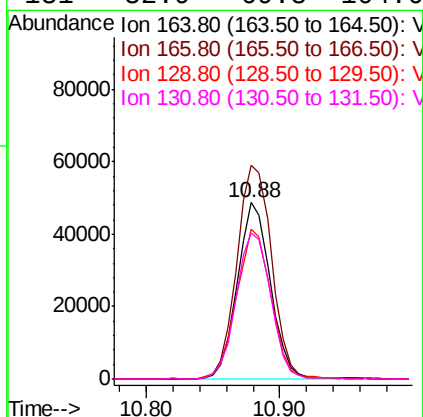
Manual Integrations
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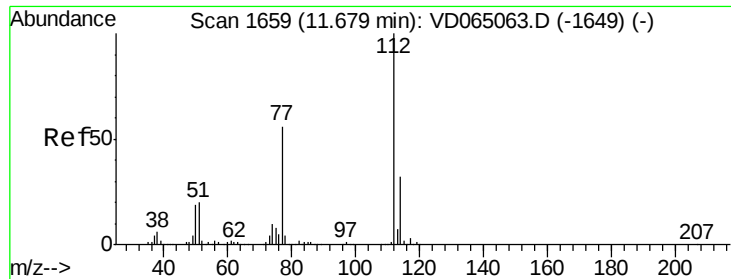
MMDadoda
2/10/2020 5:40:02 PM



#64
Tetrachloroethene
Concen: 19.959 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83863		
166	121.3		103.5	155.3
129	85.4		73.3	109.9
131	82.9		69.8	104.6





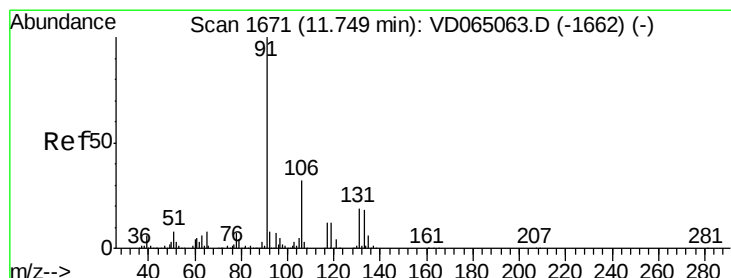
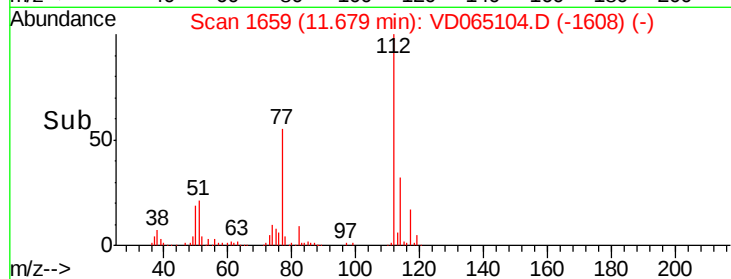
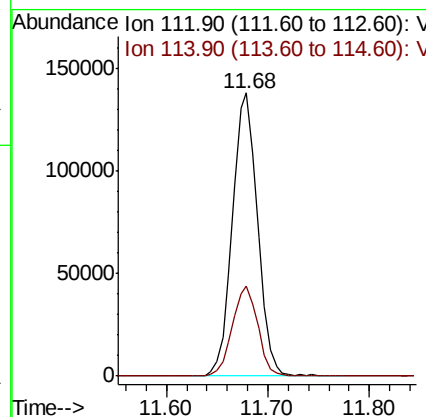
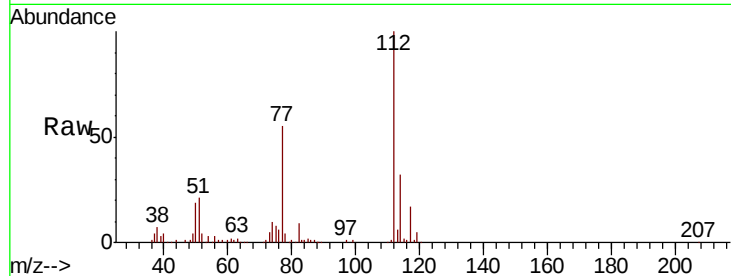
#65
Chlorobenzene
Concen: 20.976 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.0

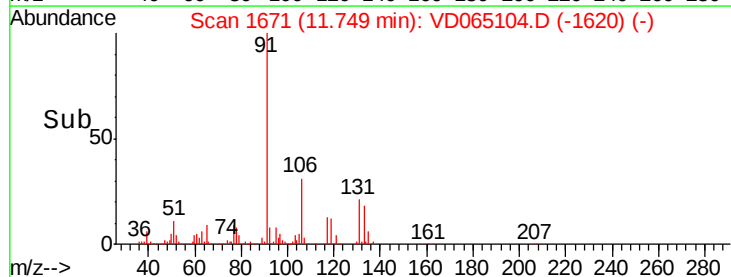
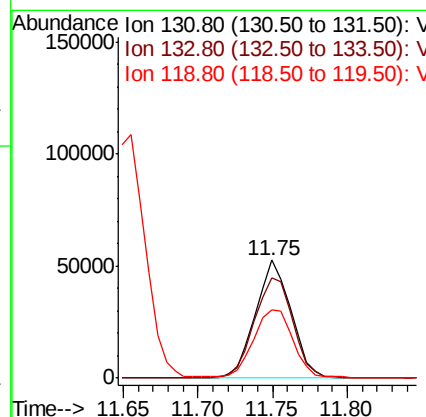
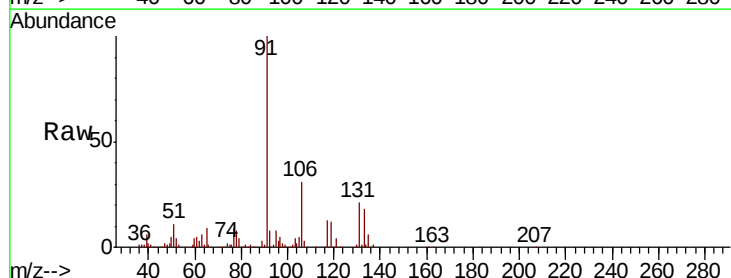
Manual Integrations
APPROVED

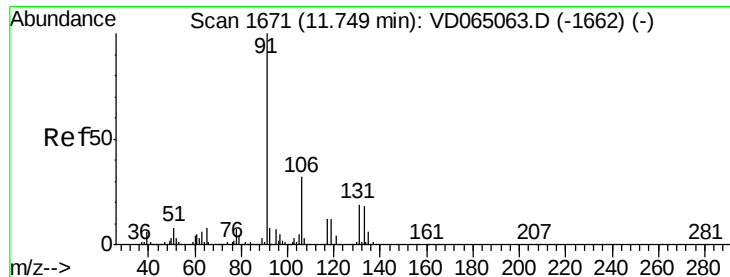
MMDadoda
2/10/2020 5:40:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.884 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.9	47.7	143.1
119	64.5	31.3	93.8





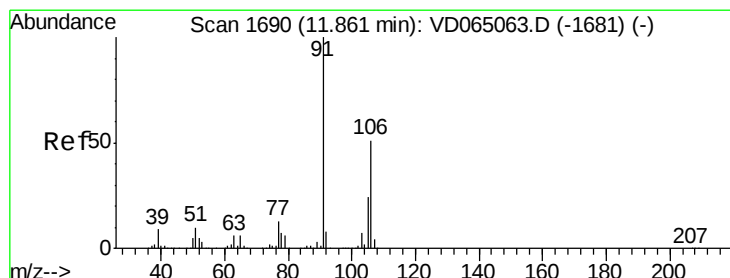
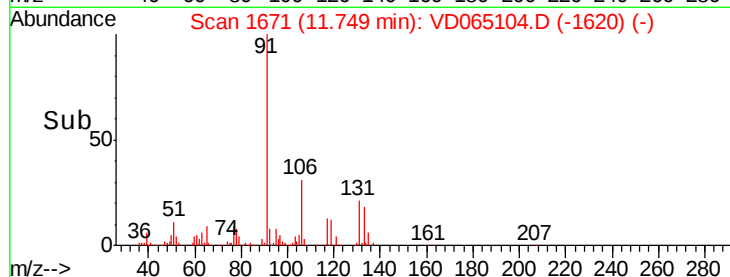
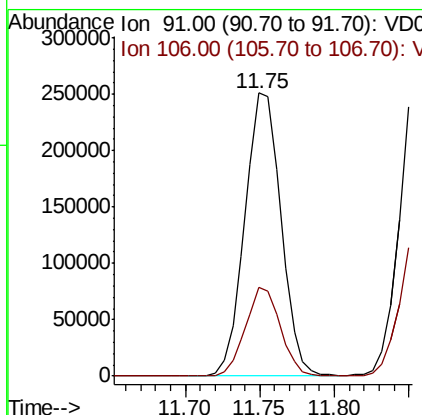
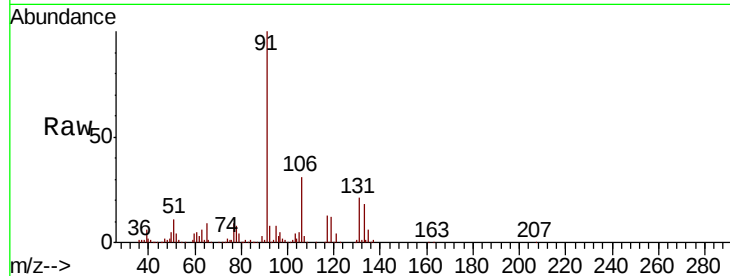
#67
Ethyl Benzene
Concen: 20.547 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.4	25.4	38.2	

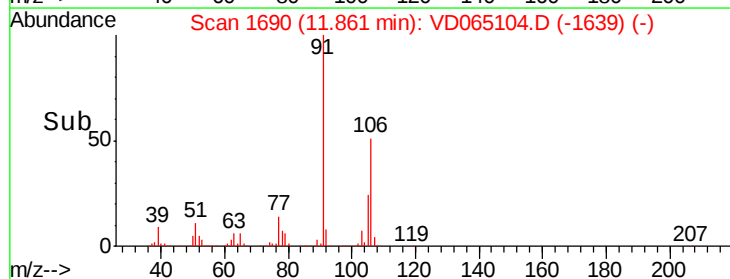
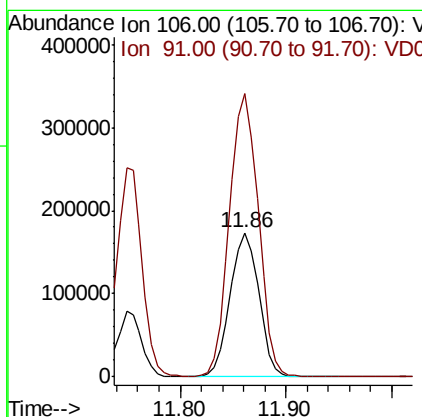
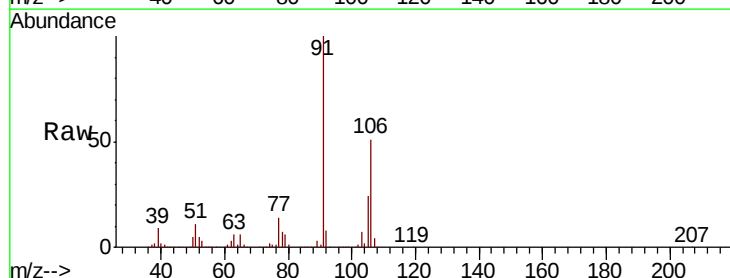
Manual Integrations
APPROVED

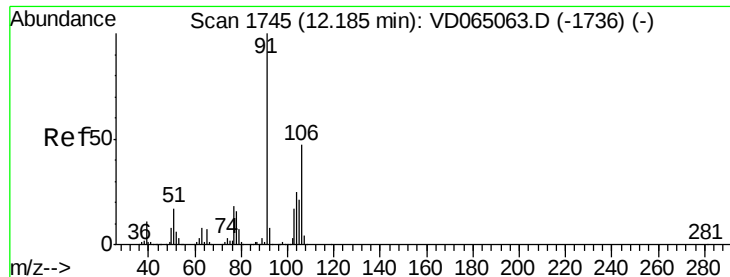
MMDadoda
2/10/2020 5:40:02 PM



#68
m/p-Xylenes
Concen: 41.602 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	198.7	158.9	238.3	





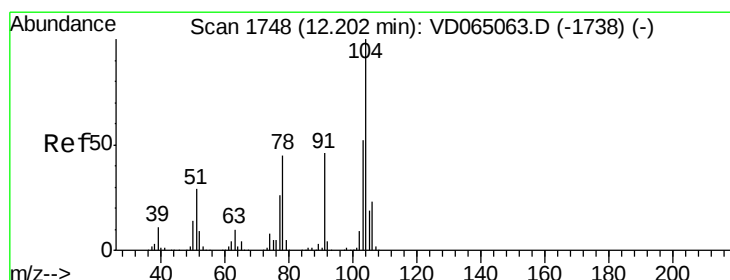
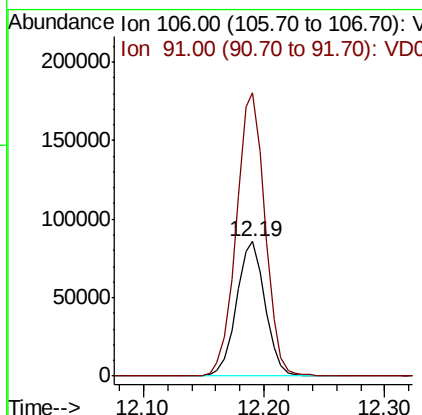
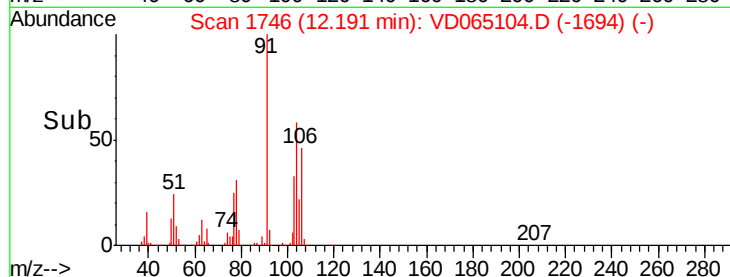
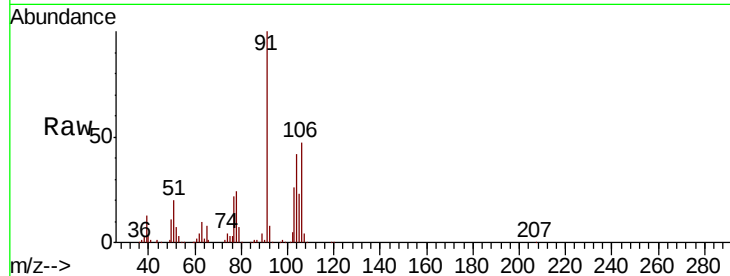
#69
o-Xylene
Concen: 20.089 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.9	104.7	313.9

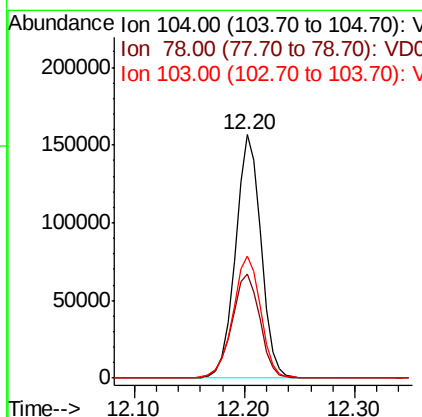
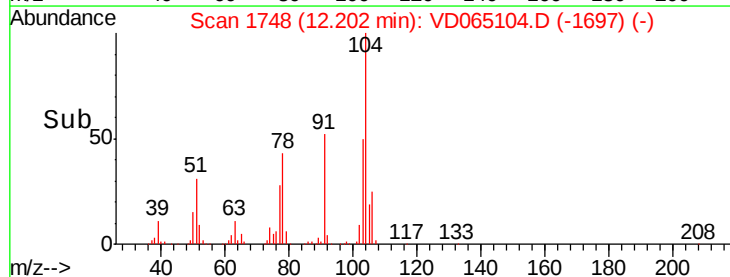
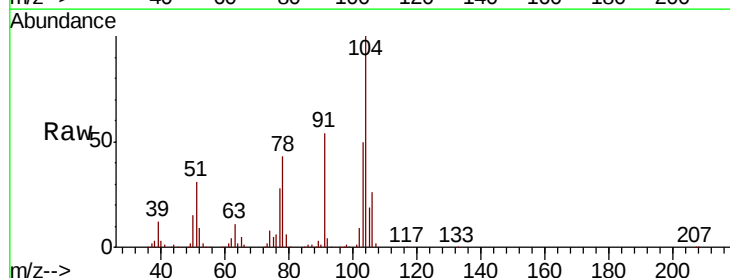
Manual Integrations
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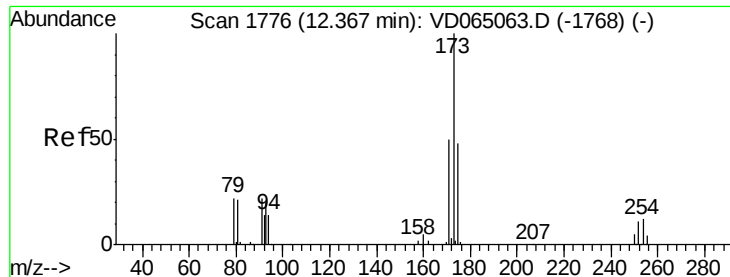
MMDadoda
2/10/2020 5:40:02 PM



#70
Styrene
Concen: 20.733 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.9	38.5	57.7
103	54.4	43.8	65.8





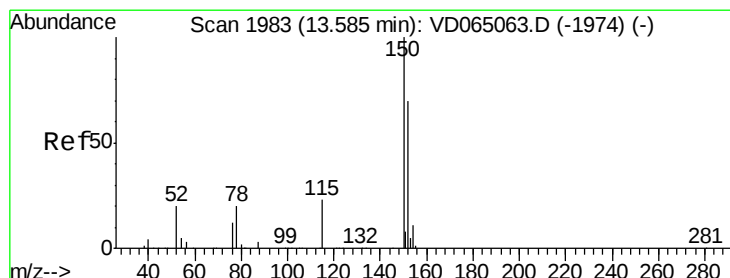
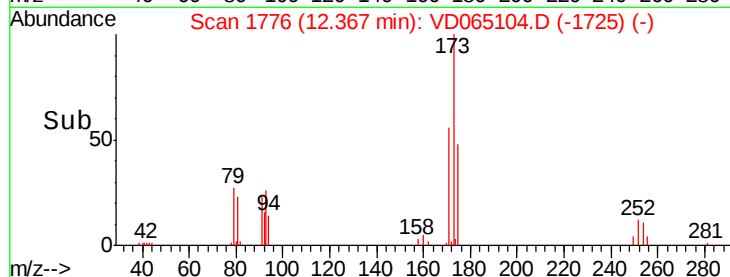
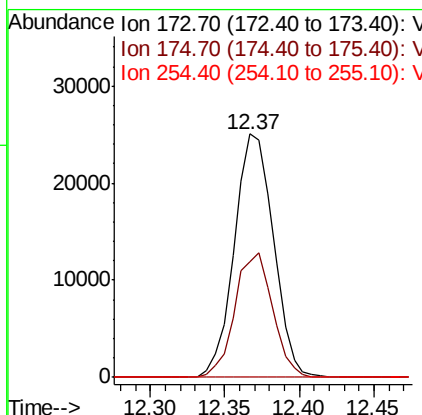
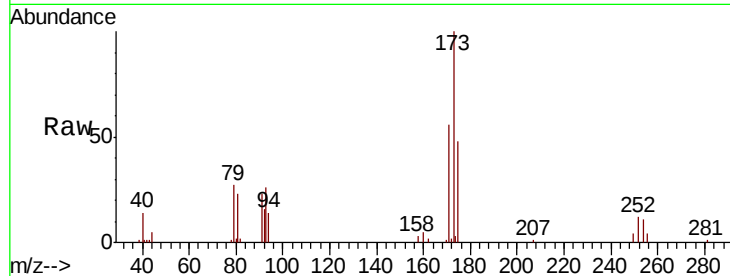
#71
Bromoform
Concen: 20.387 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.3	72.8
254	0.0	0.1	0.1#

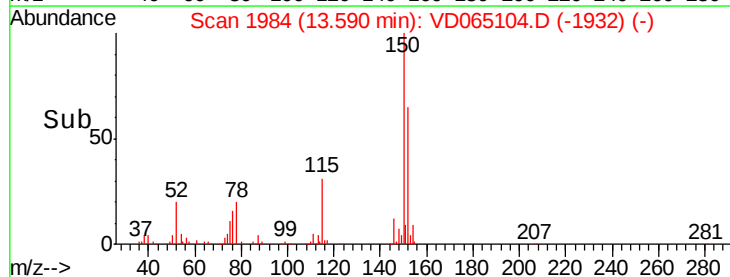
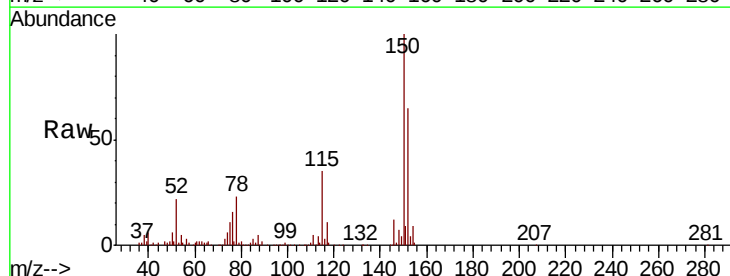
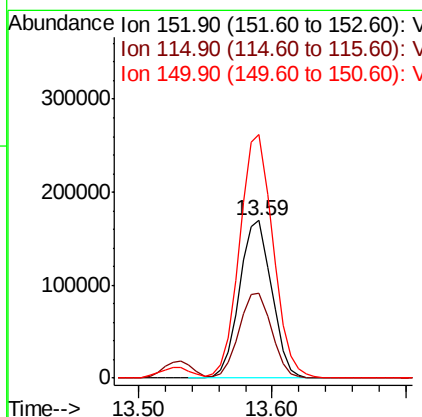
Manual Integrations
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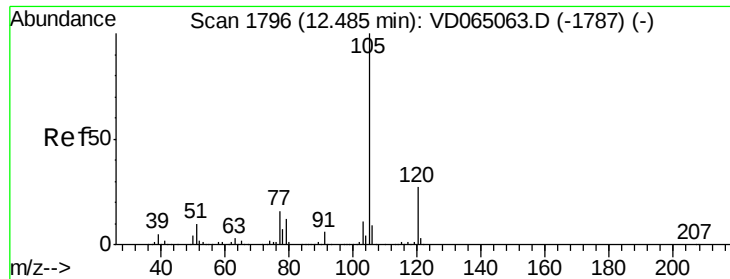
MMDadoda
2/10/2020 5:40:02 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.59 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.5	82.4
150	160.7	0.0	343.2





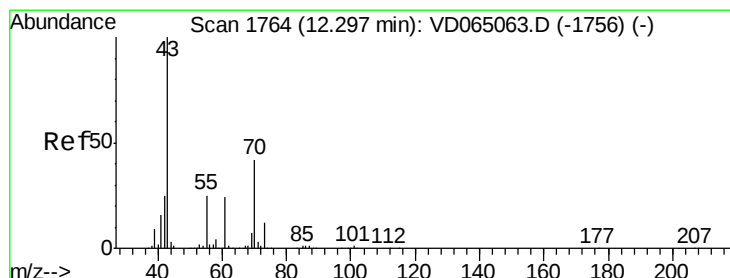
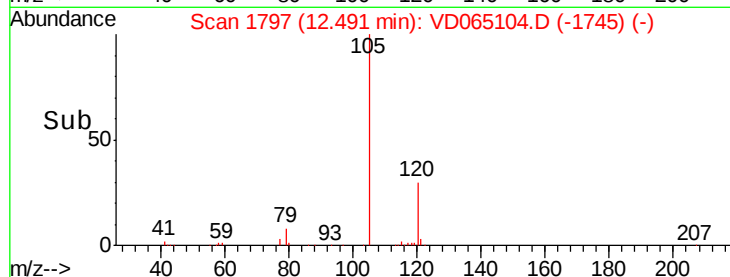
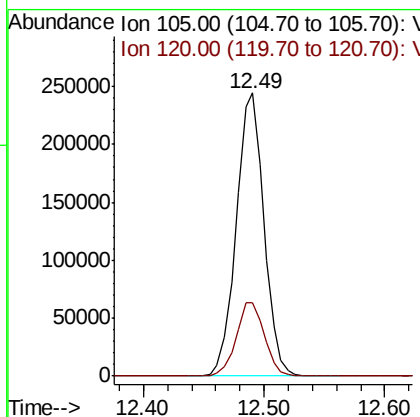
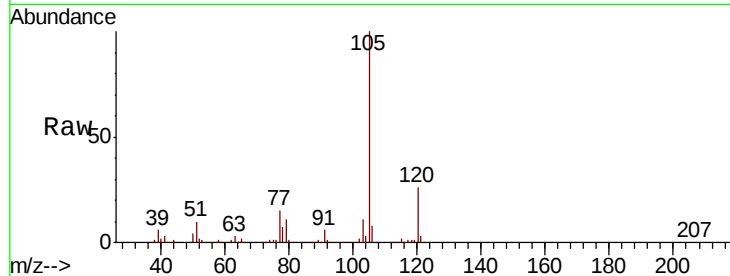
#73
Isopropylbenzene
Concen: 20.140 ug/l
RT: 12.49 min Scan# 1797
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	390742		
120	26.4	13.3	39.9	

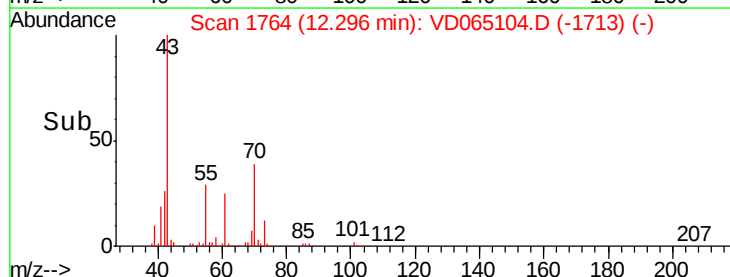
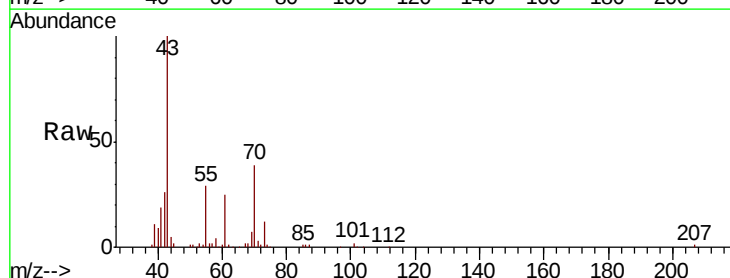
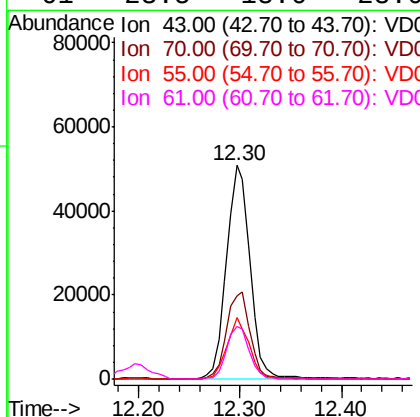
Manual Integrations
APPROVED

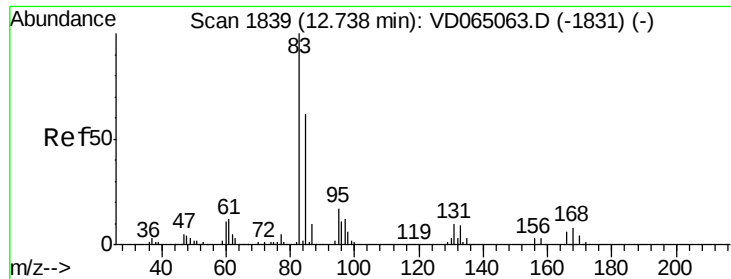
MMDadoda
2/10/2020 5:40:02 PM



#74
N-ethyl acetate
Concen: 19.494 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	82205		
70	40.7	33.5	50.3	
55	27.3	19.4	29.2	
61	23.5	18.6	28.0	





#75

1,1,2,2-Tetrachloroethane

Concen: 20.949 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

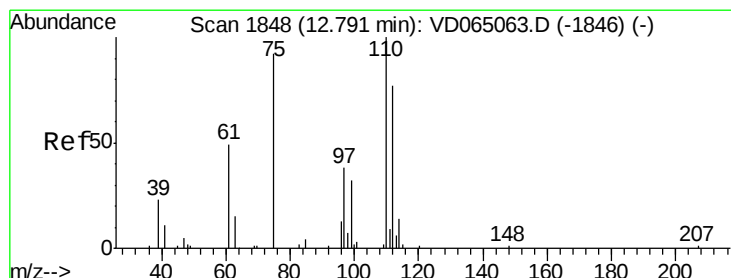
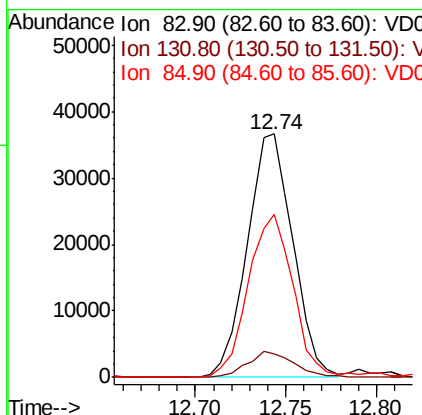
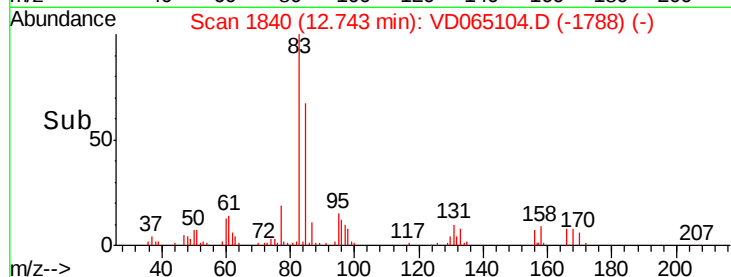
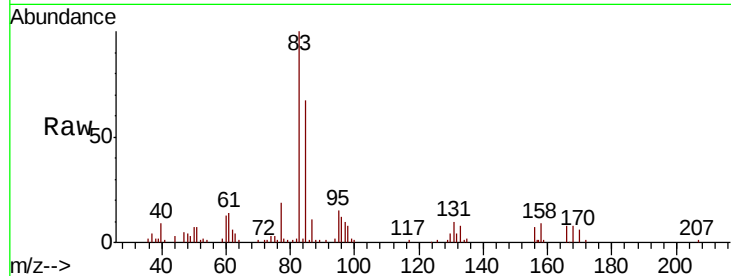
ClientSampleId :

VD0207SBS01

Tot Ion:	83	Resp:	63966
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.4
85	66.0	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.473 ug/l m

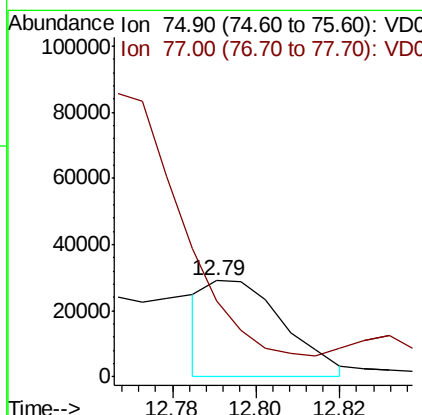
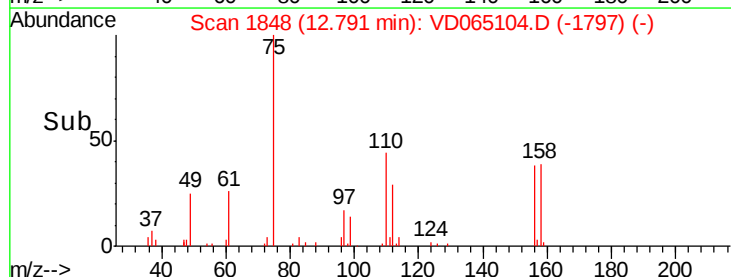
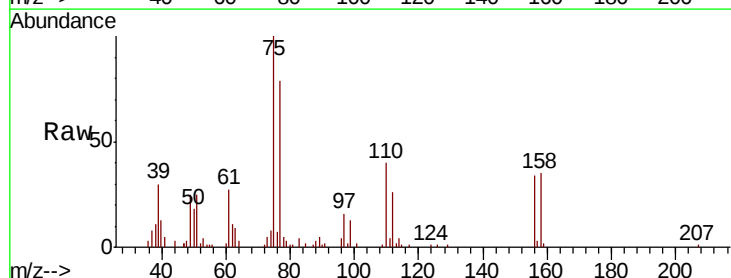
RT: 12.79 min Scan# 1848

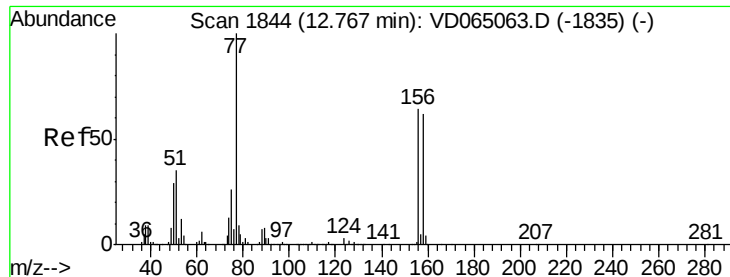
Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Tgt Ion:	75	Resp:	37394
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.131 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

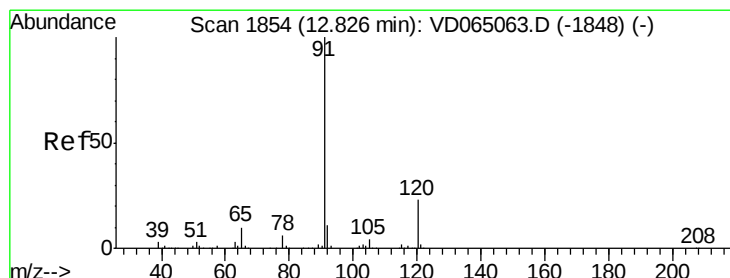
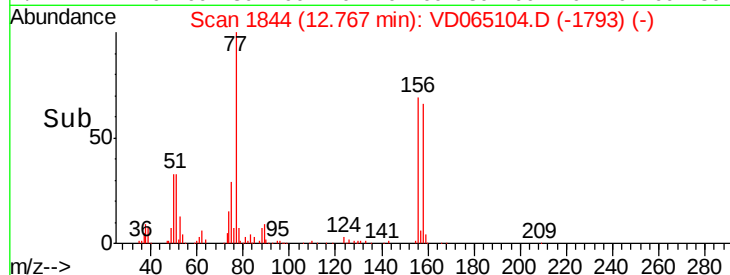
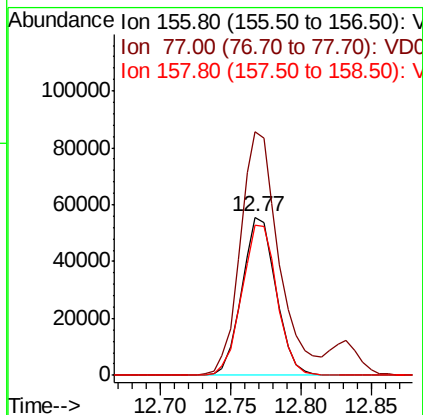
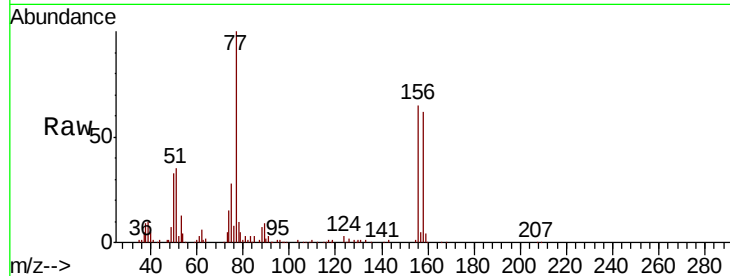
ClientSampleId :

VD0207SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	174.4	85.6	256.8	
158	97.5	47.4	142.2	

Manual Integrations
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2/10/2020 5:40:02 PM



#78

n-propylbenzene

Concen: 20.847 ug/l

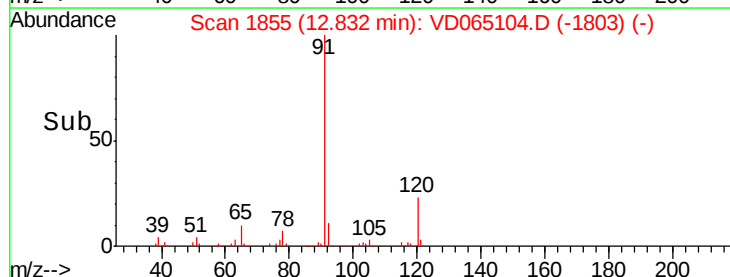
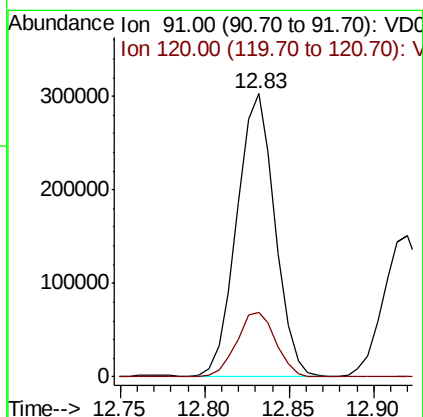
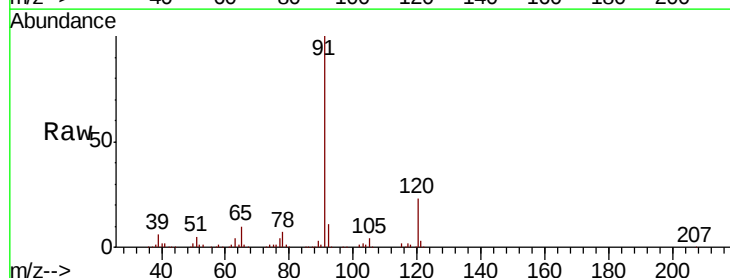
RT: 12.83 min Scan# 1855

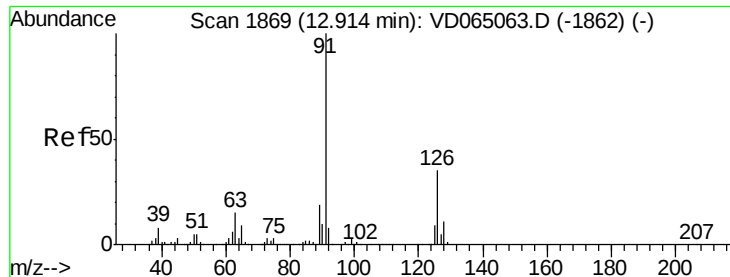
Delta R.T. 0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.5	11.8	35.3	





#79

2-Chlorotoluene

Concen: 20.453 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD0207SBS01

Tot Ion: 91 Resp: 259027

Ion Ratio Lower Upper

91 100

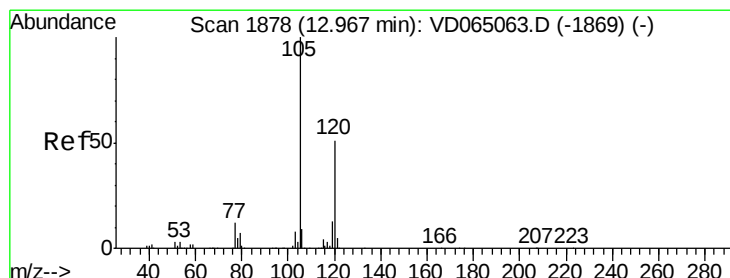
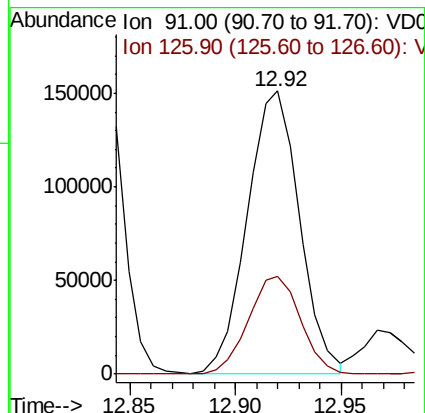
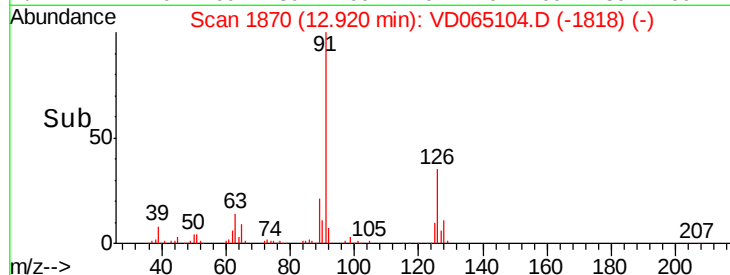
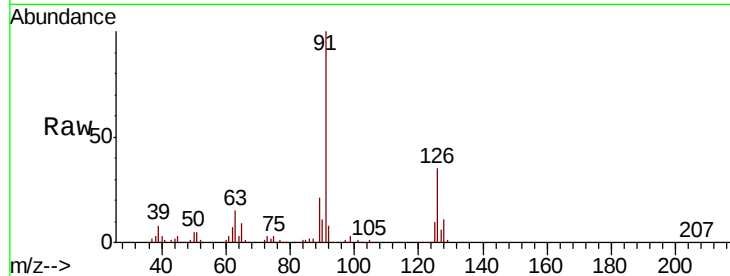
126 34.7 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.710 ug/l

RT: 12.97 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VD065104.D

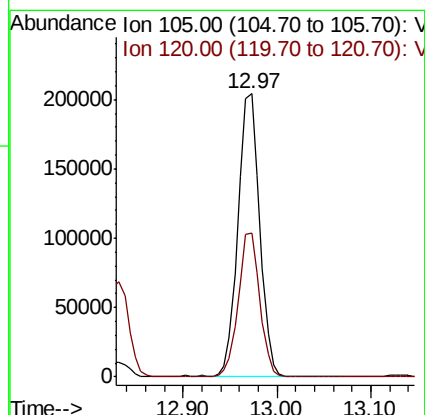
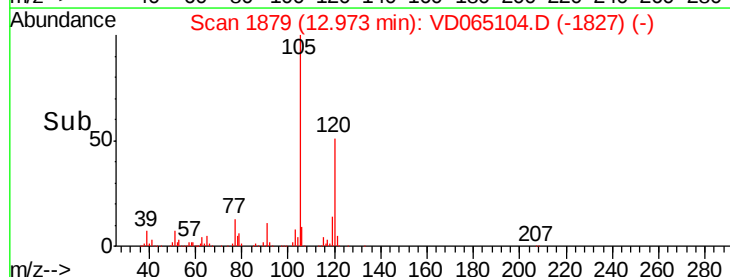
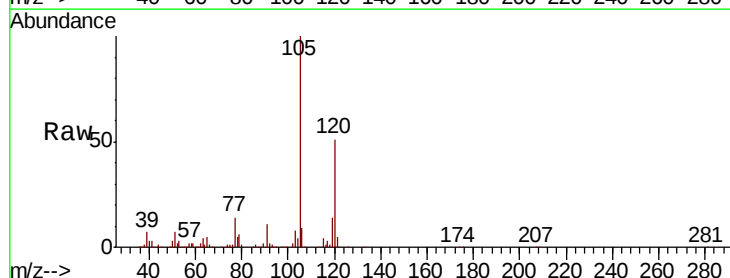
Acq: 07 Feb 2020 12:29

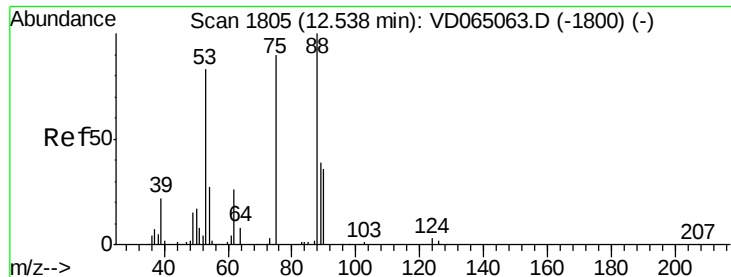
Tgt Ion: 105 Resp: 328720

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.4





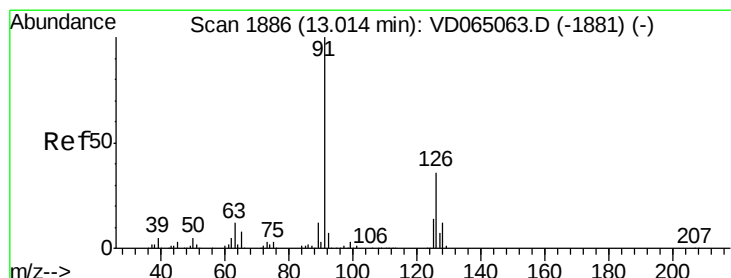
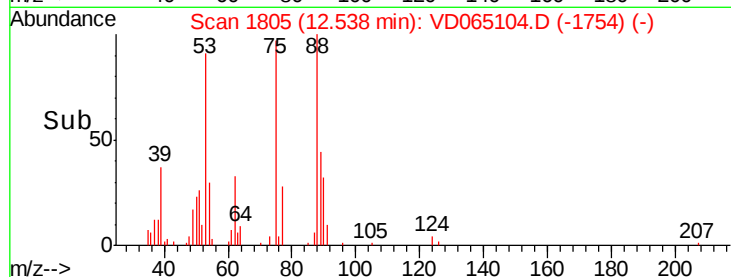
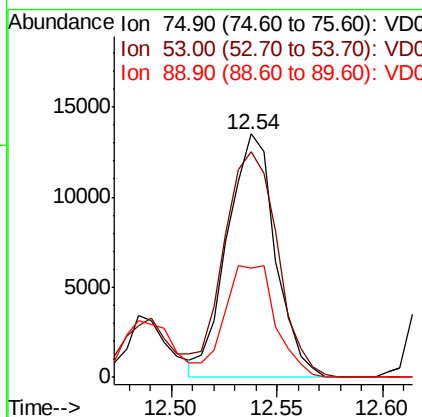
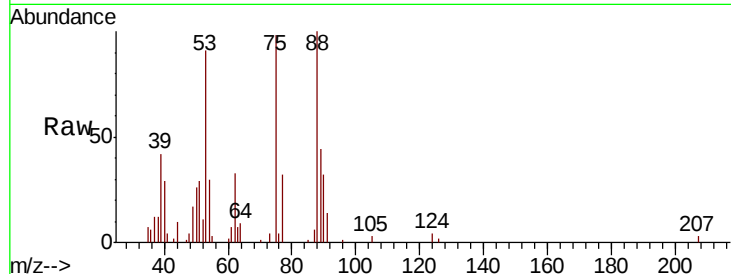
#81
trans-1,4-Dichloro-2-butene
Concen: 19.917 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.7	78.5	117.7
89	49.4	37.0	55.4

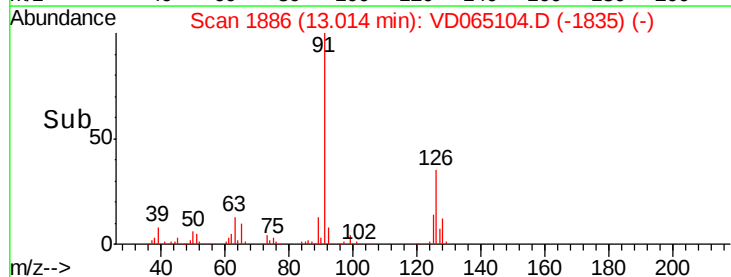
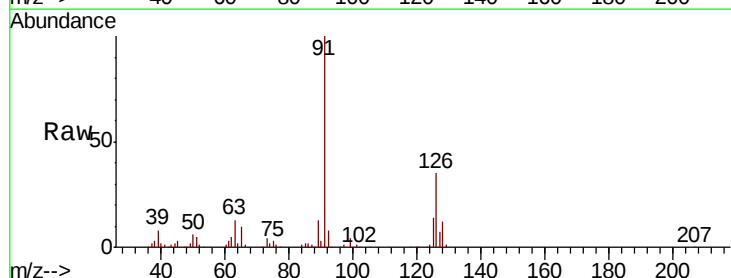
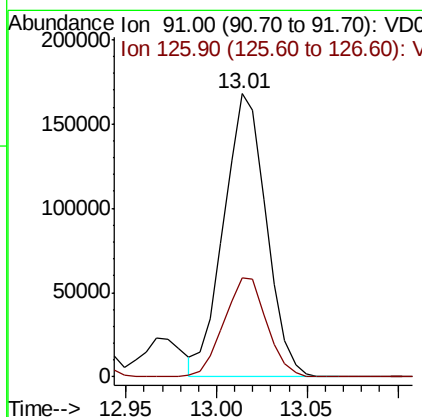
Manual Integrations
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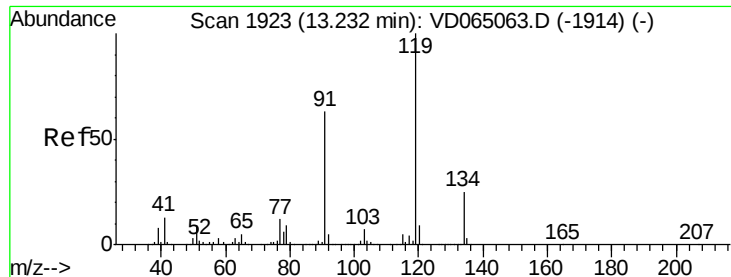
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.544 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.5	52.5





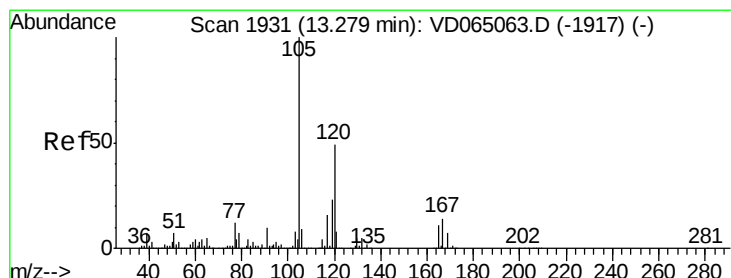
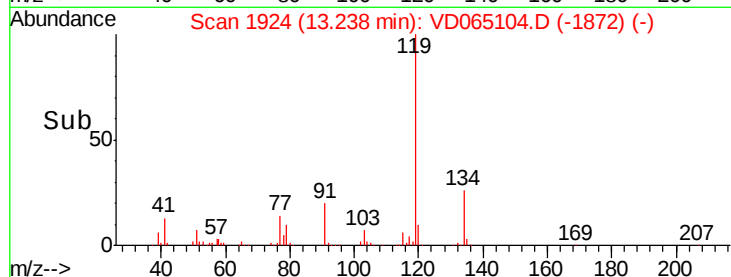
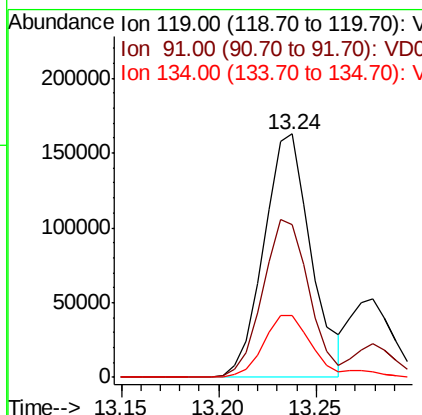
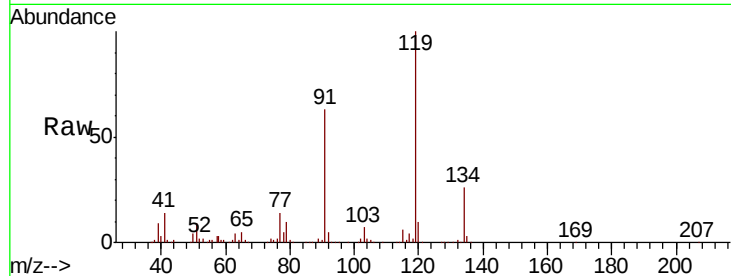
#83
tert-Butylbenzene
Concen: 19.934 ug/l
RT: 13.24 min Scan# 1924
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	32.3	96.9
134	27.6	13.8	41.3

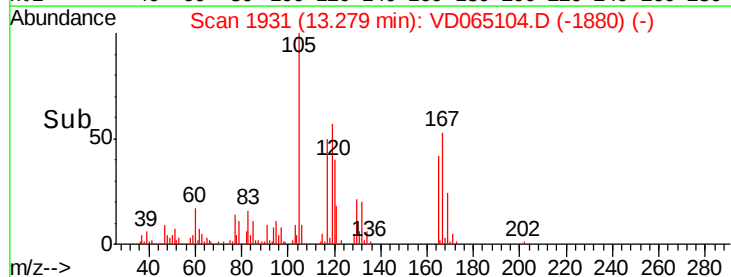
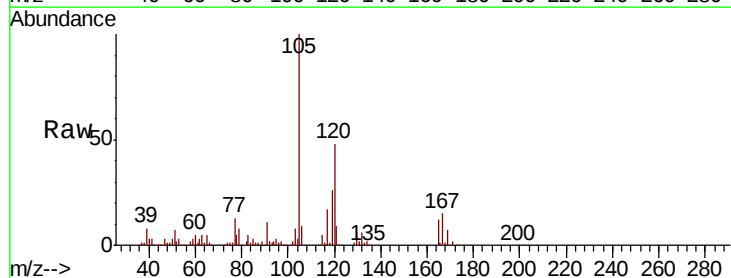
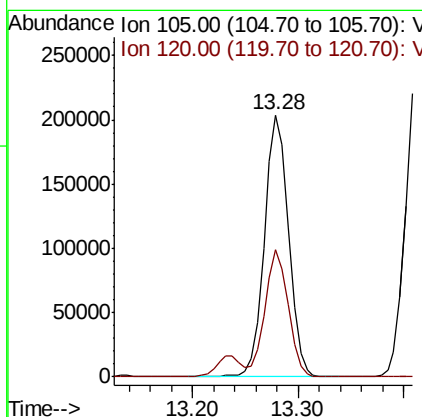
Manual Integrations
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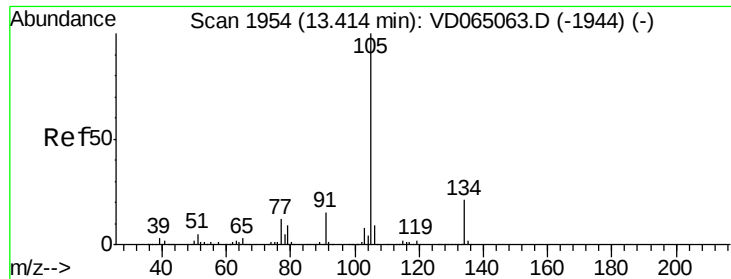
MMDadoda
2/10/2020 5:40:02 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.534 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.5	70.5





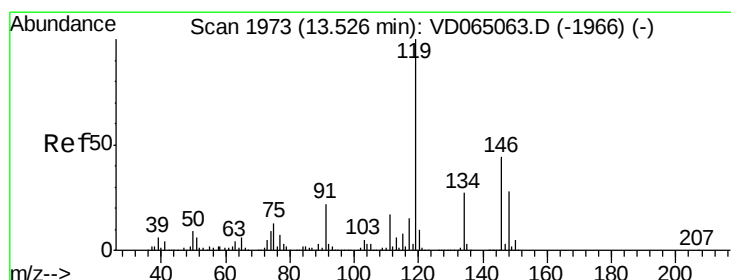
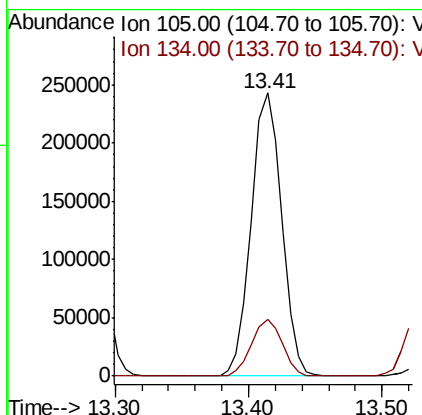
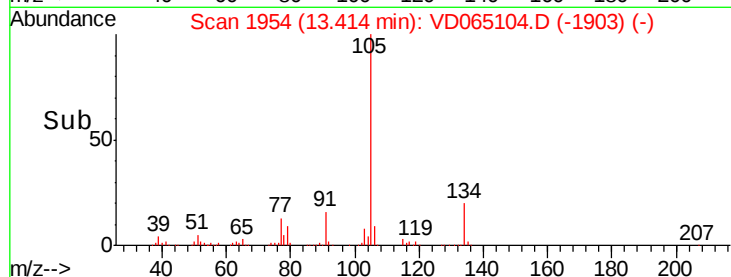
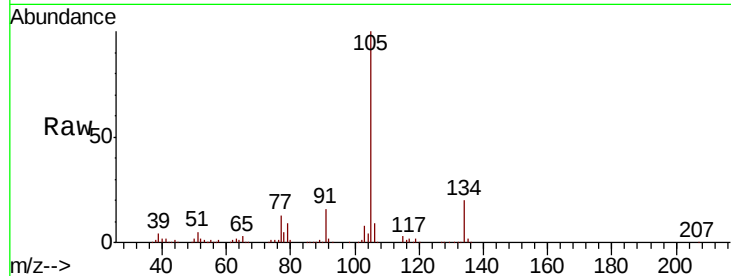
#85
 sec-Butylbenzene
 Concen: 20.474 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.4	31.1

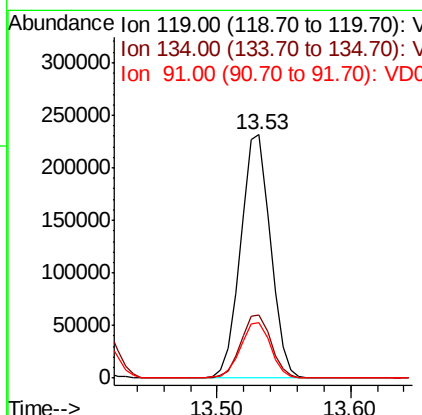
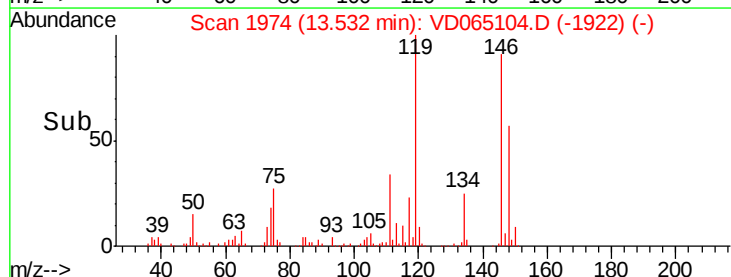
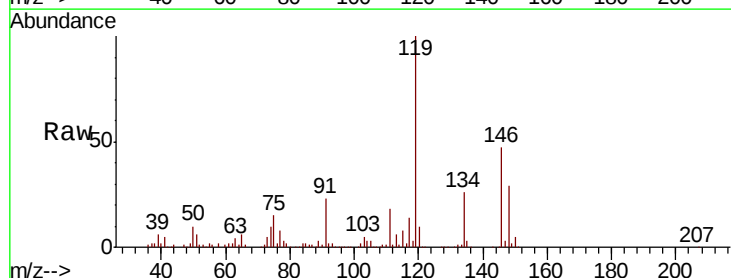
Manual Integrations
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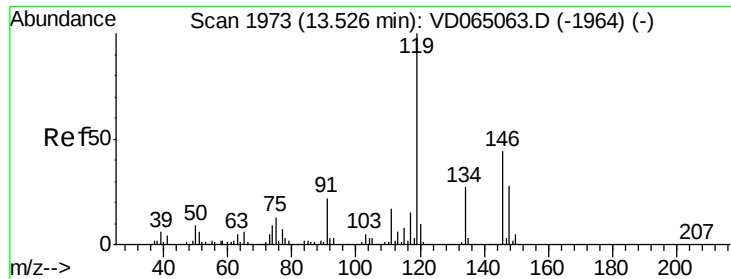
MMDadoda
 2/10/2020 5:40:02 PM



#86
 p-Isopropyltoluene
 Concen: 20.576 ug/l
 RT: 13.53 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.5	40.5
91	22.8	11.3	33.9





#87

1,3-Dichlorobenzene

Concen: 20.594 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Instrument :

MSVOA_D

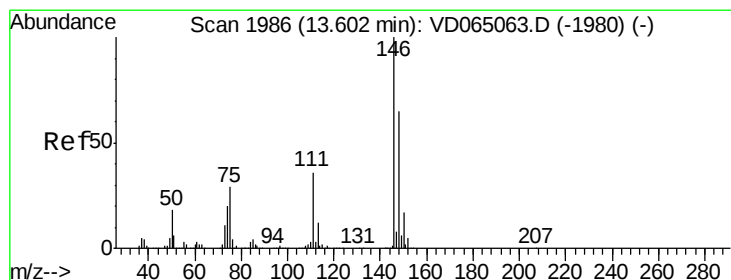
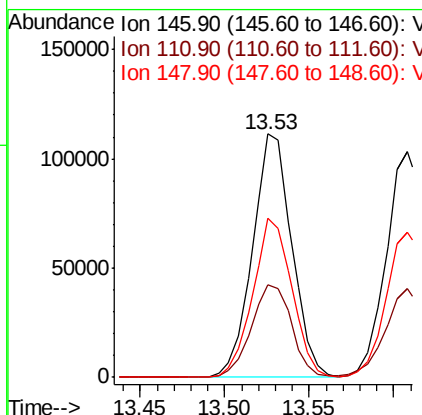
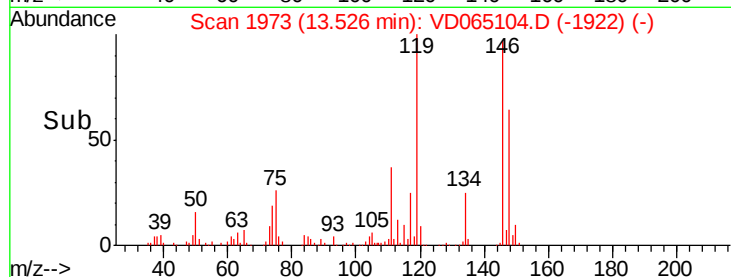
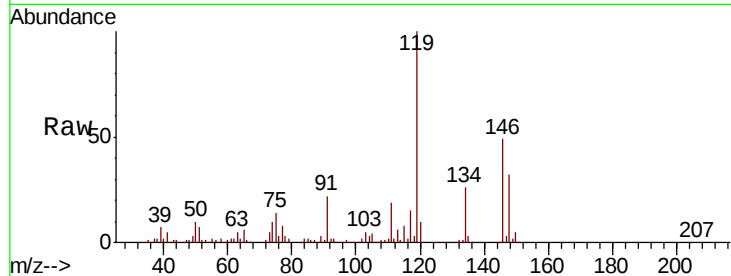
ClientSampleId :

VD0207SBS01

Tot Ion:	146	Resp:	180237
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.4	58.4
148	64.8	32.3	96.8

Manual Integrations
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2/10/2020 5:40:02 PM



#88

1,4-Dichlorobenzene

Concen: 20.064 ug/l

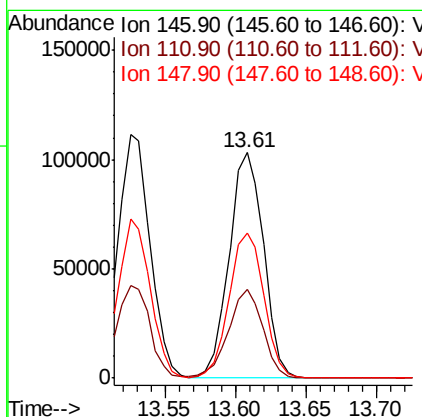
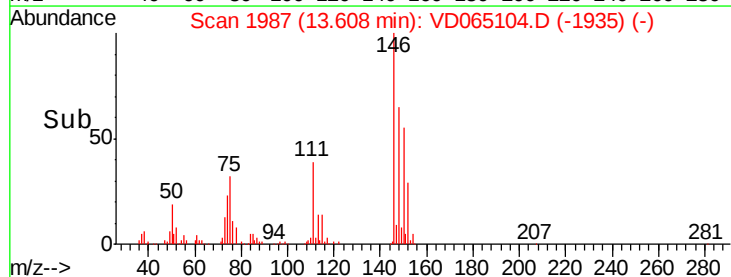
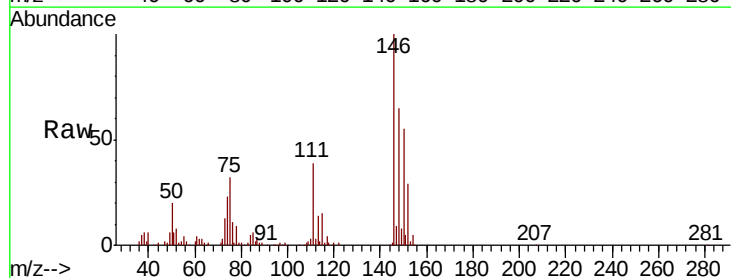
RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065104.D

Acq: 07 Feb 2020 12:29

Tgt Ion:	146	Resp:	174775
Ion Ratio	Lower	Upper	
146	100		
111	39.1	18.5	55.5
148	65.3	32.7	98.1





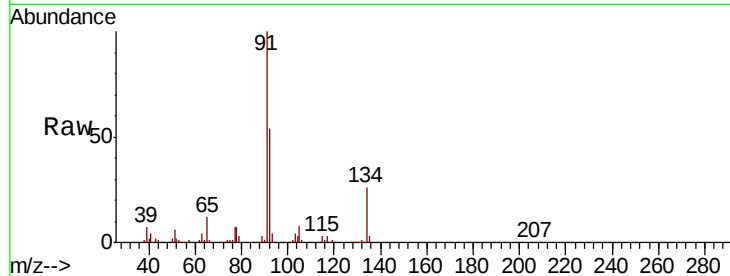
#89
n-Butylbenzene
Concen: 20.599 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.1
134	25.6	13.4	40.2

Manual Integrations
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2/10/2020 5:40:02 PM

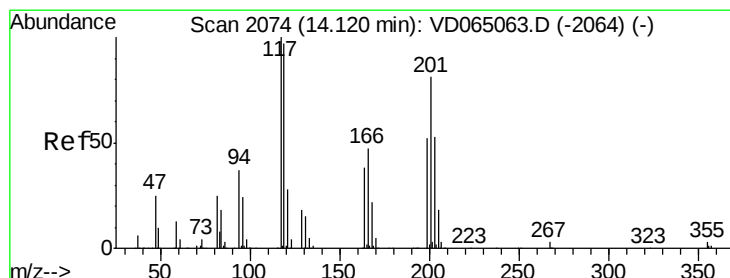
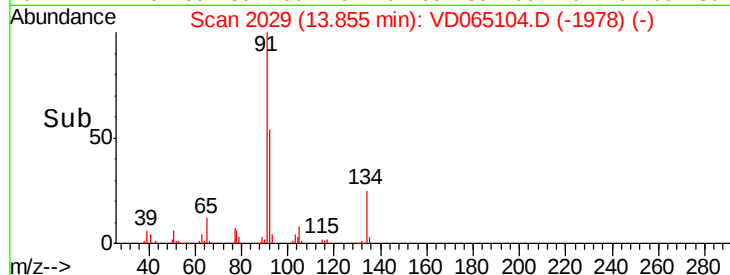
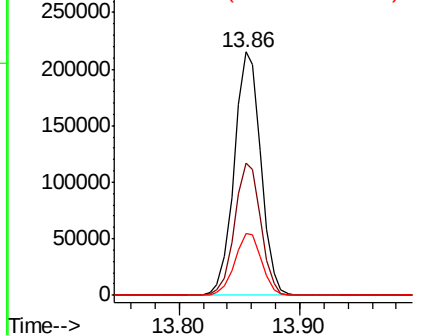


Abundance

Ion 91.00 (90.70 to 91.70): VD065104.D (-1978) (-)

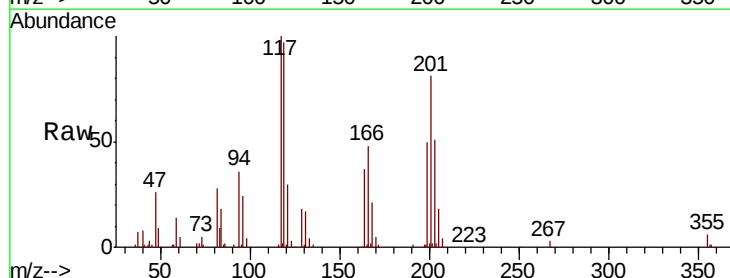
Ion 92.00 (91.70 to 92.70): VD065104.D (-1978) (-)

Ion 134.00 (133.70 to 134.70): VD065104.D (-1978) (-)



#90
Hexachloroethane
Concen: 21.586 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

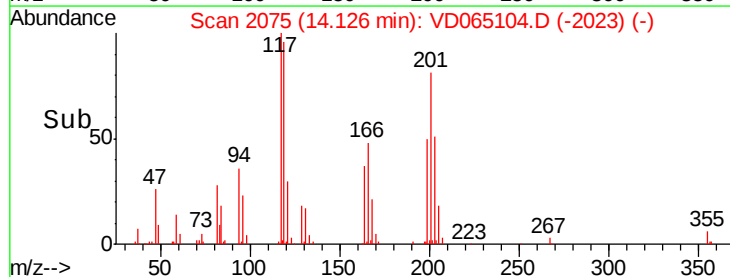
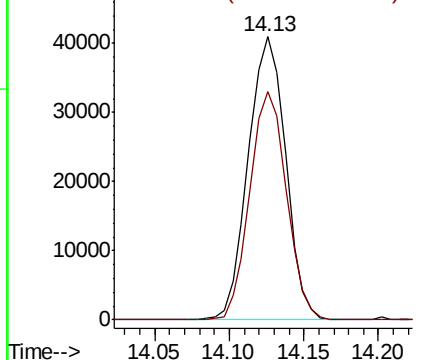
Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	42.5	127.6

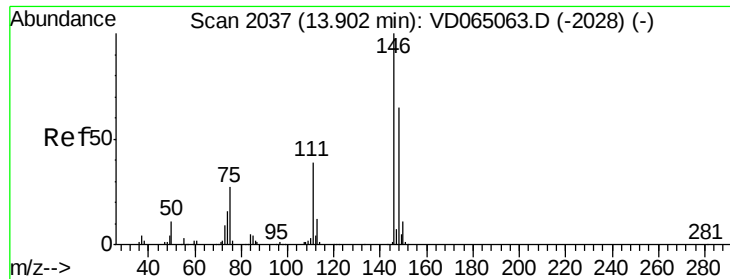


Abundance

Ion 116.80 (116.50 to 117.50): VD065104.D (-2023) (-)

Ion 200.70 (200.40 to 201.40): VD065104.D (-2023) (-)





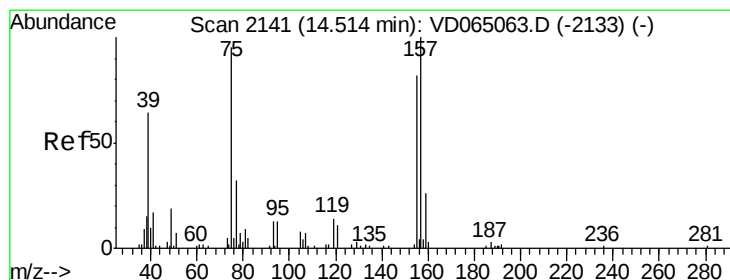
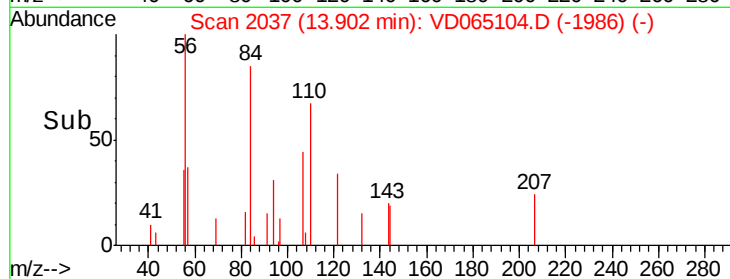
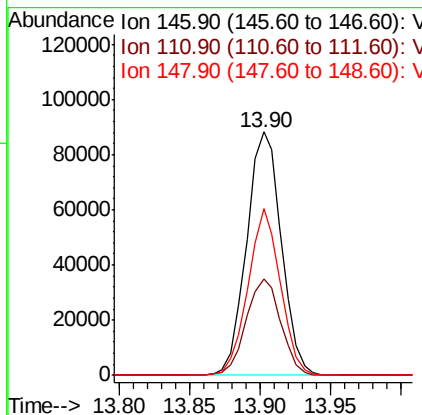
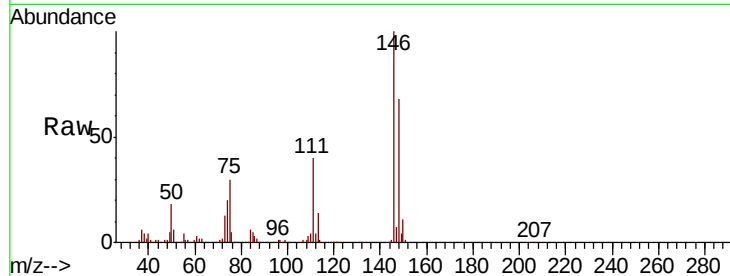
#91
 1,2-Dichlorobenzene
 Concen: 20.288 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	152087		
111	39.6		19.7	59.1
148	63.9		31.9	95.5

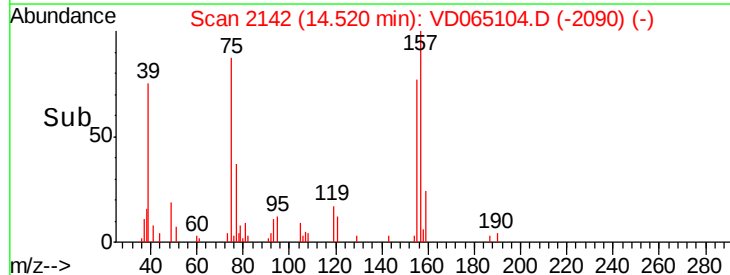
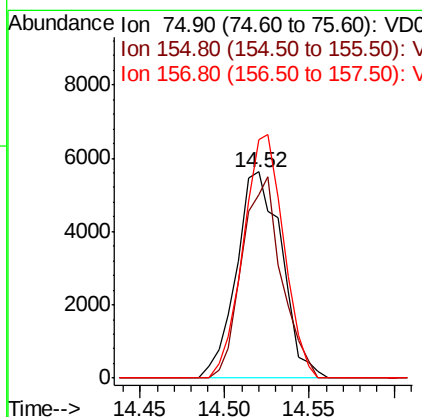
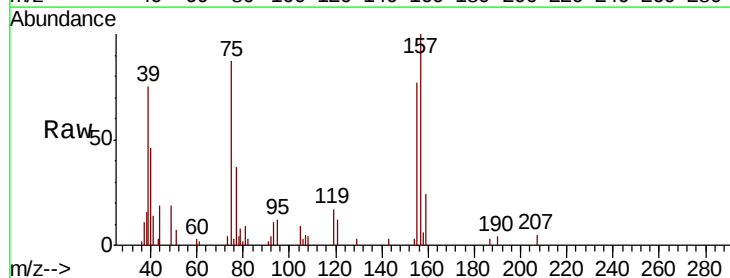
Manual Integrations
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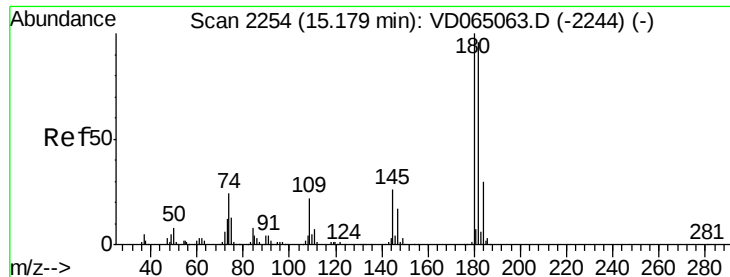
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.953 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10444		
155	85.4		43.4	130.1
157	105.8		55.8	167.3





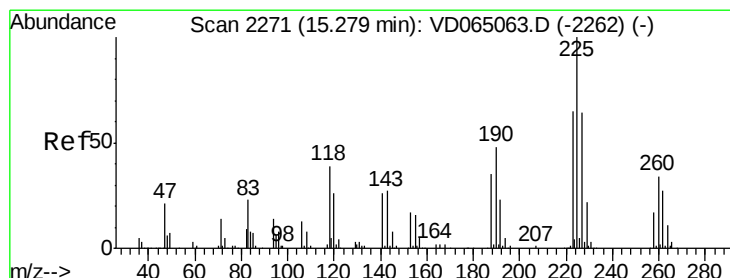
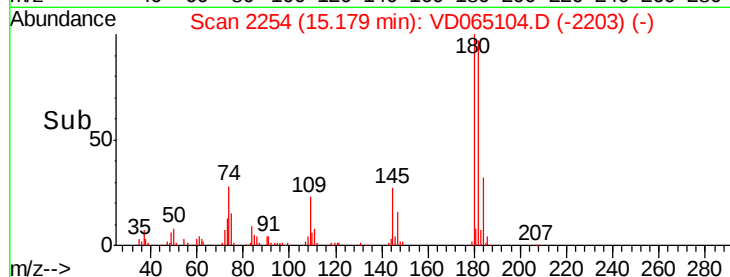
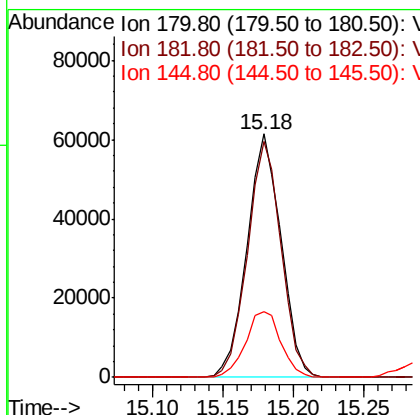
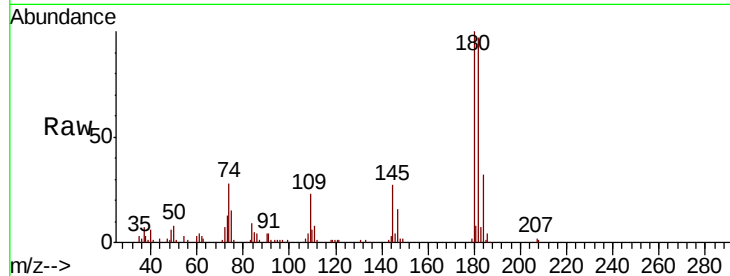
#93
 1,2,4-Trichlorobenzene
 Concen: 19.380 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	103836		
182	95.7	47.4	142.3	
145	28.0	14.1	42.4	

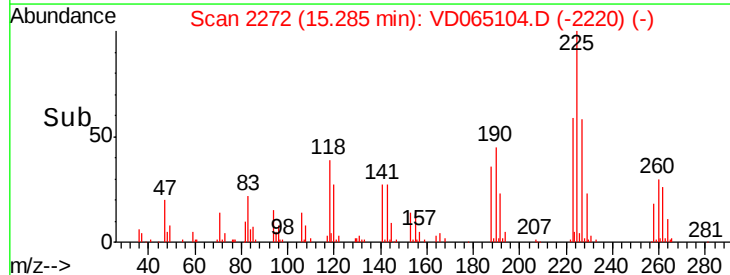
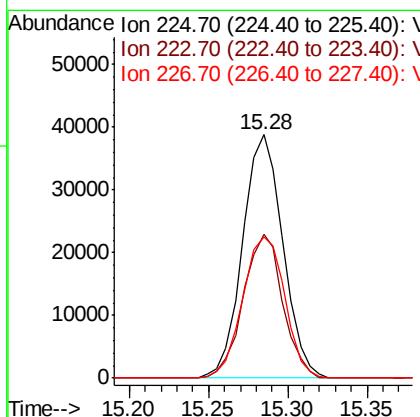
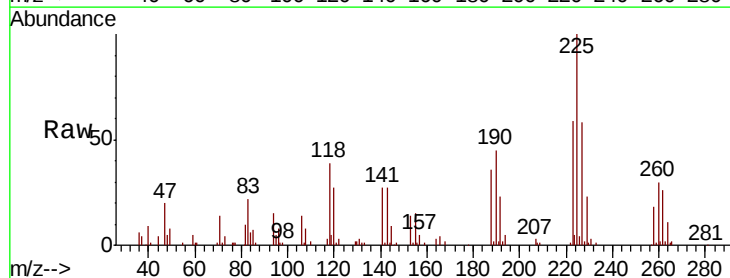
Manual Integrations
 APPROVED

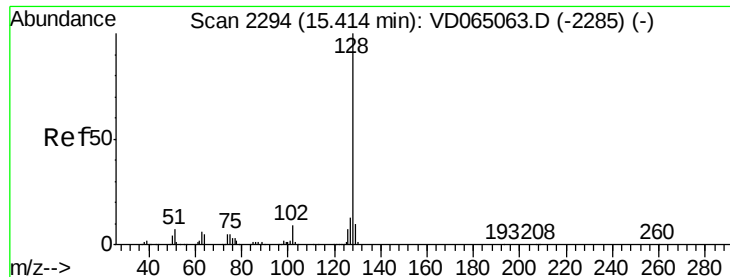
MMDadoda
 2/10/2020 5:40:02 PM



#94
 Hexachlorobutadiene
 Concen: 20.737 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065104.D
 Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68316		
223	58.1	31.4	94.0	
227	60.9	31.8	95.3	





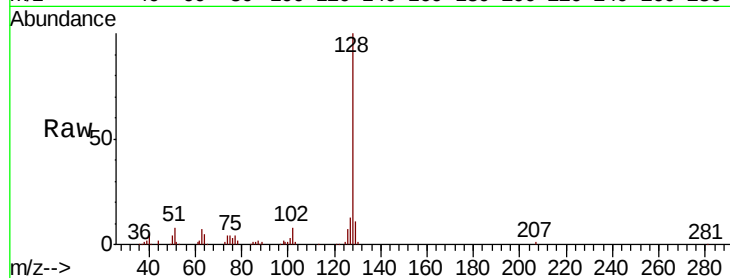
#95
Naphthalene
Concen: 17.560 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	156380		
127	13.5	10.6	15.8	
129	11.0	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/10/2020 5:40:02 PM

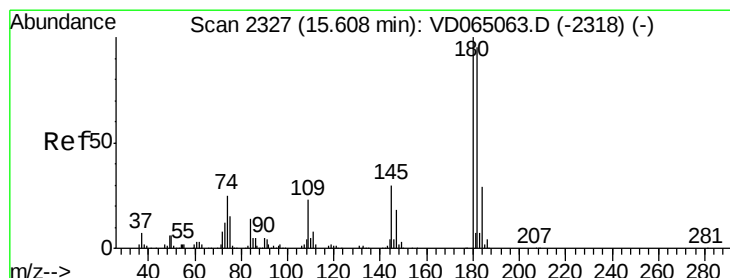
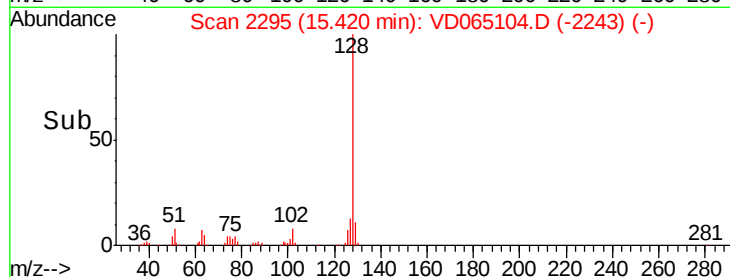
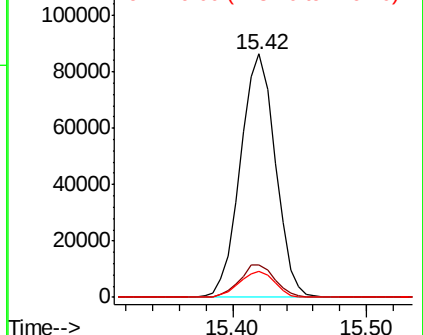


Abundance

Ion 128.00 (127.70 to 128.70): V

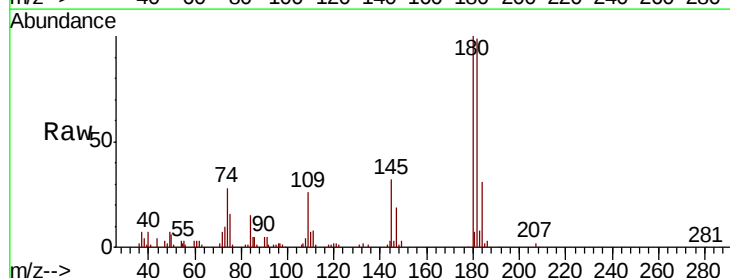
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.337 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065104.D
Acq: 07 Feb 2020 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88620		
182	94.8	47.1	141.4	
145	30.7	14.9	44.9	



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

