

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064040.D
 Acq On : 24 Oct 2019 12:05
 Operator : VA/SY
 Sample : VD1024SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Manual Integrations
 APPROVED

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 10/25/2019 4:48:07 PM

Quant Time: Oct 25 04:26:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	143166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	231312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	239950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	128480	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	73161	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	7.92	113	75433	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
50) Toluene-d8	10.34	98	321541	56.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.08%	
62) 4-Bromofluorobenzene	12.63	95	106018	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	19451	19.158	ug/l	88
3) Chloromethane	2.21	50	70229	23.265	ug/l	96
4) Vinyl Chloride	2.35	62	83548	25.461	ug/l	97
5) Bromomethane	2.77	94	49115	23.281	ug/l	94
6) Chloroethane	2.93	64	53992	24.879	ug/l #	88
7) Trichlorofluoromethane	3.27	101	117495	27.081	ug/l	95
8) Diethyl Ether	3.71	74	15480	22.229	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	27607	22.988	ug/l	94
10) Methyl Iodide	4.30	142	27659	16.714	ug/l	99
11) Tert butyl alcohol	5.24	59	9423	92.252	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	24904	20.756	ug/l #	87
13) Acrolein	3.93	56	8919	71.645	ug/l	85
14) Allyl chloride	4.70	41	42007	21.058	ug/l	97
15) Acrylonitrile	5.43	53	35223	114.725	ug/l	98
16) Acetone	4.17	43	35806	98.669	ug/l #	85
17) Carbon Disulfide	4.40	76	81953	18.790	ug/l #	92
18) Methyl Acetate	4.72	43	17565	24.747	ug/l #	58
19) Methyl tert-butyl Ether	5.49	73	60010	19.314	ug/l	96
20) Methylene Chloride	4.96	84	41332	24.111	ug/l #	80
21) trans-1,2-Dichloroethene	5.47	96	32130	21.511	ug/l	94
22) Diisopropyl ether	6.37	45	94705	23.246	ug/l #	95
23) Vinyl Acetate	6.31	43	270339	111.544	ug/l	97
24) 1,1-Dichloroethane	6.27	63	58635	23.366	ug/l #	94
25) 2-Butanone	7.23	43	49231	114.474	ug/l #	87
26) 2,2-Dichloropropane	7.21	77	49645	21.870	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	37750	22.329	ug/l	95
28) Bromochloromethane	7.56	49	18674	20.707	ug/l	94
29) Tetrahydrofuran	7.57	42	26963	107.414	ug/l	94
30) Chloroform	7.71	83	58711	21.541	ug/l	96
31) Cyclohexane	7.99	56	53302	23.582	ug/l #	82
32) 1,1,1-Trichloroethane	7.90	97	55124	23.577	ug/l	97
36) 1,1-Dichloropropene	8.11	75	49273	23.298	ug/l	97
37) Ethyl Acetate	7.30	43	19339	20.446	ug/l #	96
38) Carbon Tetrachloride	8.10	117	46935	21.961	ug/l #	82

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	57857	22.249	ug/l	95
40) Benzene	8.36	78	138521	22.855	ug/l	98
41) Methacrylonitrile	7.53	41	11982	24.436	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	39622	22.600	ug/l	98
43) Isopropyl Acetate	8.46	43	38016	21.434	ug/l #	83
44) Trichloroethene	9.11	130	37745	21.597	ug/l	96
45) 1,2-Dichloropropane	9.39	63	32703	22.045	ug/l	92
46) Dibromomethane	9.48	93	17994	21.298	ug/l	96
47) Bromodichloromethane	9.67	83	47456	21.817	ug/l	98
48) Methyl methacrylate	9.46	41	18249	21.474	ug/l	93
49) 1,4-Dioxane	9.46	88	5074	439.984	ug/l #	71
51) 4-Methyl-2-Pentanone	10.23	43	97700	106.211	ug/l	98
52) Toluene	10.41	92	97794	23.505	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	43488	20.488	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	53096	21.731	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	27458	23.018	ug/l	94
56) Ethyl methacrylate	10.66	69	30935	20.478	ug/l #	95
57) 1,3-Dichloropropane	10.95	76	44470	21.788	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	66920	103.060	ug/l	99
59) 2-Hexanone	10.99	43	71129	106.896	ug/l	98
60) Dibromochloromethane	11.14	129	33294	21.438	ug/l	99
61) 1,2-Dibromoethane	11.25	107	26626	23.023	ug/l	97
64) Tetrachloroethene	10.87	164	36520	22.294	ug/l	95
65) Chlorobenzene	11.67	112	109251	22.672	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	37811	21.294	ug/l	98
67) Ethyl Benzene	11.75	91	192752	22.183	ug/l	97
68) m/p-Xylenes	11.86	106	147310	43.922	ug/l	98
69) o-Xylene	12.18	106	68793	21.421	ug/l	94
70) Styrene	12.20	104	119891	22.053	ug/l	98
71) Bromoform	12.37	173	20439	21.449	ug/l #	98
73) Isopropylbenzene	12.48	105	185634	21.493	ug/l	98
74) N-amyl acetate	12.29	43	36069	19.396	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	30957	20.597	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	17311m	20.117	ug/l	
77) Bromobenzene	12.76	156	46946	21.816	ug/l	97
78) n-propylbenzene	12.83	91	234814	23.162	ug/l	100
79) 2-Chlorotoluene	12.91	91	123157	22.031	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	158251	21.962	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	8479	17.436	ug/l #	85
82) 4-Chlorotoluene	13.01	91	133746	22.554	ug/l	98
83) tert-Butylbenzene	13.23	119	140784	21.953	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	160783	21.644	ug/l	100
85) sec-Butylbenzene	13.40	105	198109	22.875	ug/l	100
86) p-Isopropyltoluene	13.52	119	183462	22.387	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93643	22.024	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	92840	22.133	ug/l	99
89) n-Butylbenzene	13.85	91	173012	22.681	ug/l	99
90) Hexachloroethane	14.12	117	33100	22.457	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	81829	22.332	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4617	18.209	ug/l	84

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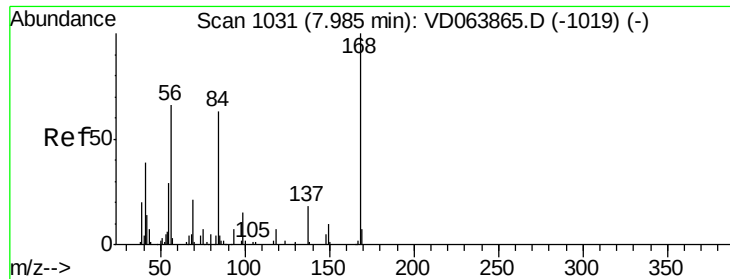
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	55099	19.488	ug/l	97
94) Hexachlorobutadiene	15.27	225	34742	22.268	ug/l	99
95) Naphthalene	15.40	128	93861	19.752	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	52254	21.421	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion:168 Resp: 143166

Ion Ratio Lower Upper

168 100

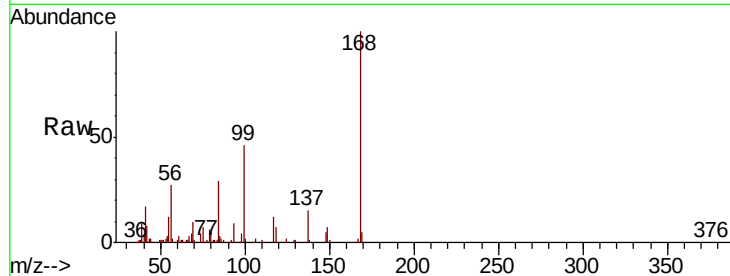
99 45.3 43.0 64.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

80000

60000

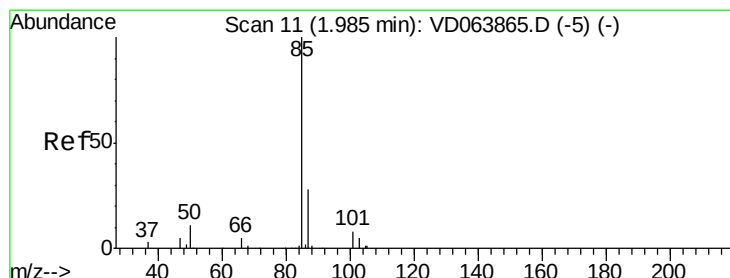
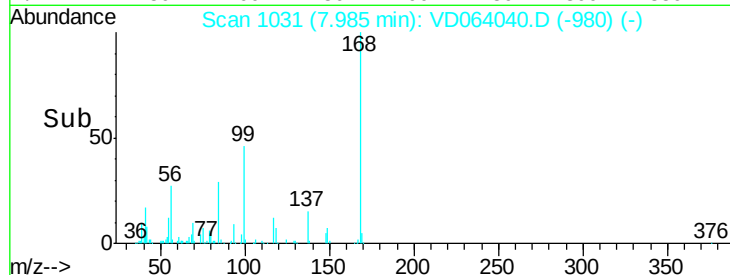
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.158 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064040.D

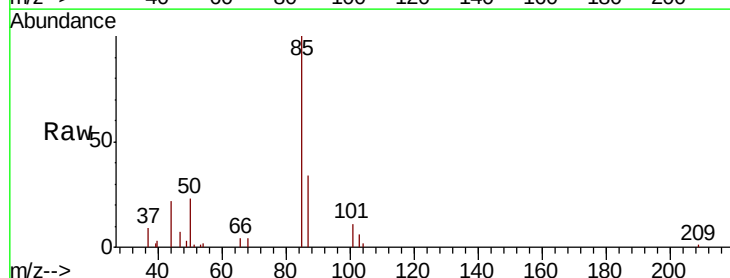
Acq: 24 Oct 2019 12:05

Tgt Ion: 85 Resp: 19451

Ion Ratio Lower Upper

85 100

87 34.2 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

15000

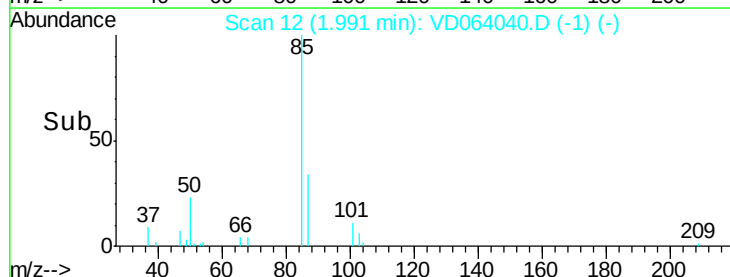
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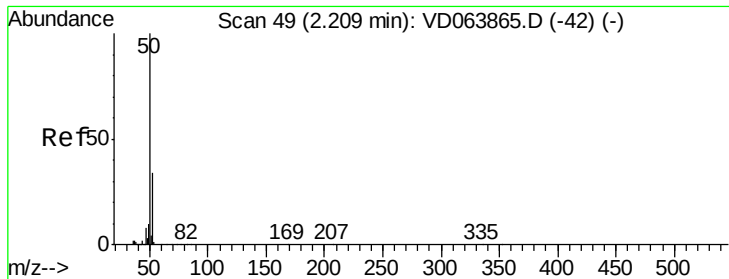
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 23.265 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 50 Resp: 70229

Ion Ratio Lower Upper

50 100

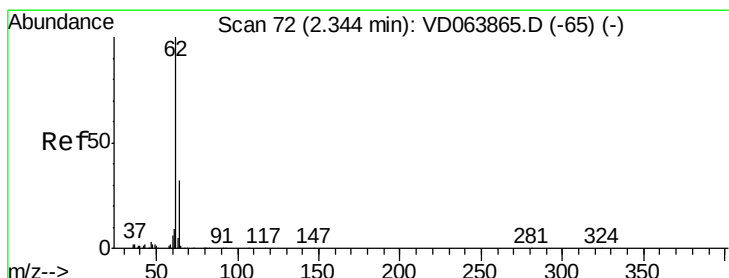
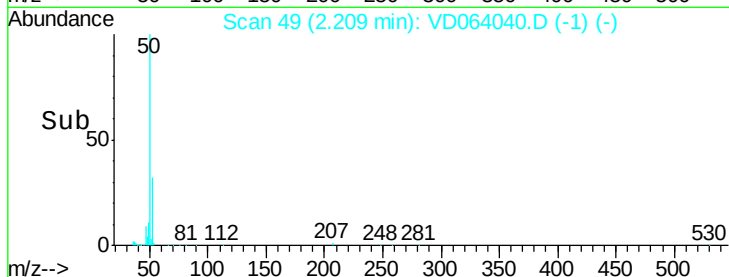
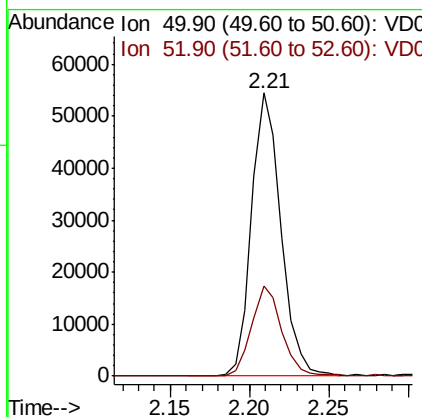
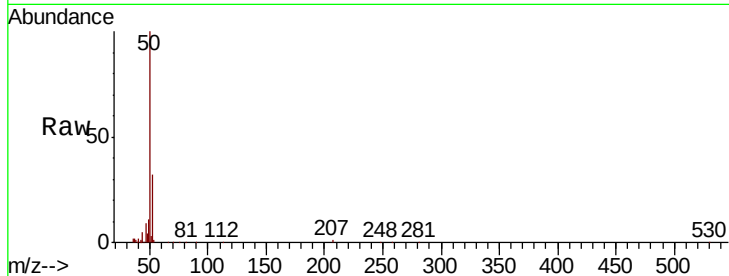
52 32.0 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 25.461 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD064040.D

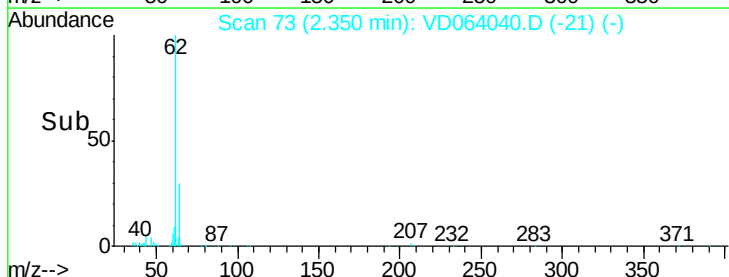
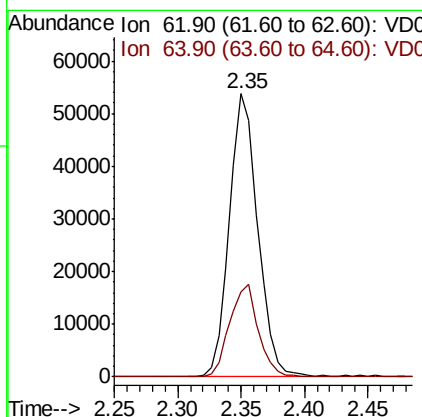
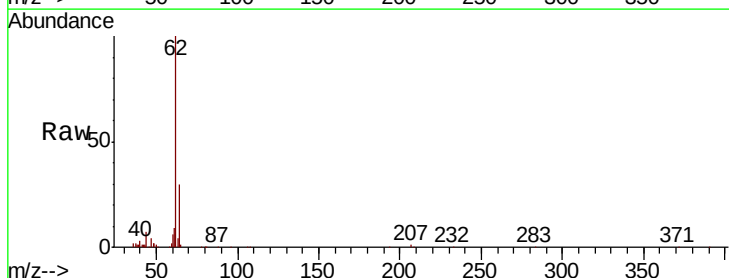
Acq: 24 Oct 2019 12:05

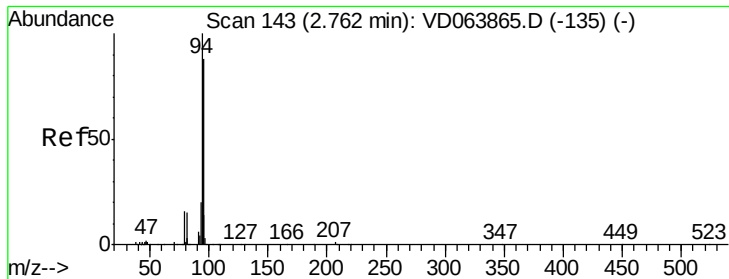
Tgt Ion: 62 Resp: 83548

Ion Ratio Lower Upper

62 100

64 29.8 25.4 38.0





#5

Bromomethane

Concen: 23.281 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 94 Resp: 49115

Ion Ratio Lower Upper

94 100

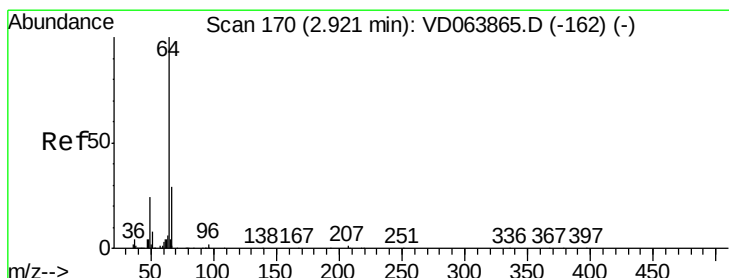
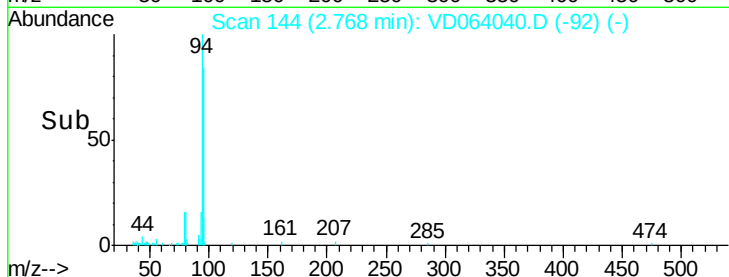
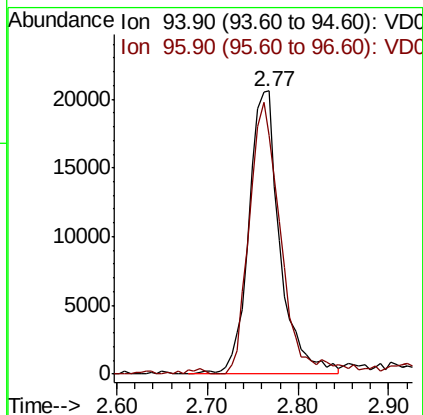
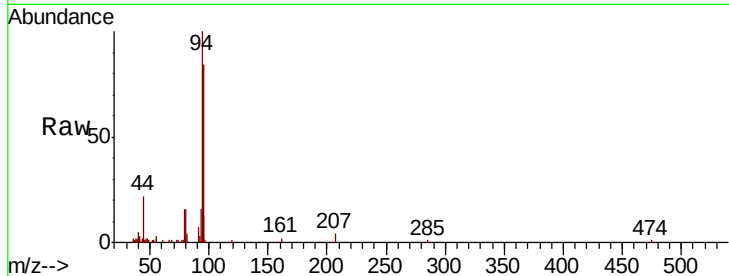
96 82.6 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 24.879 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064040.D

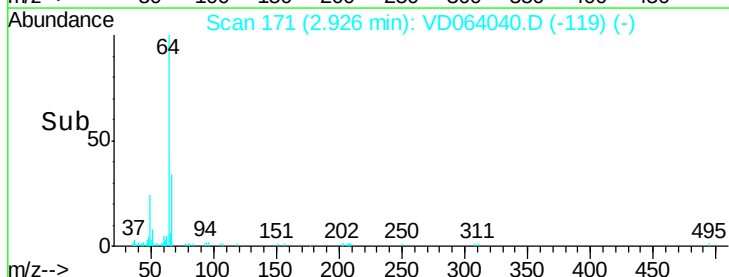
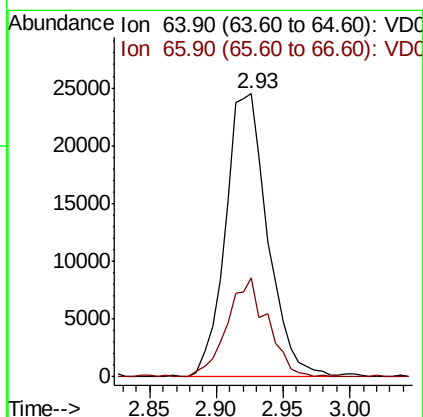
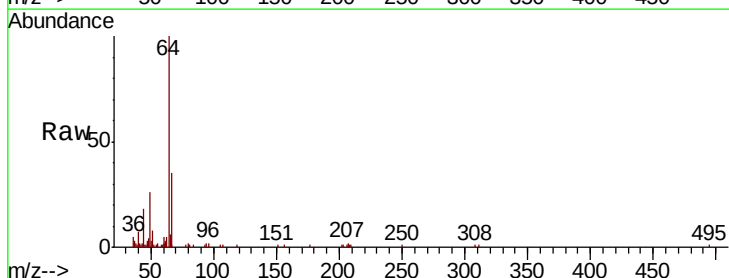
Acq: 24 Oct 2019 12:05

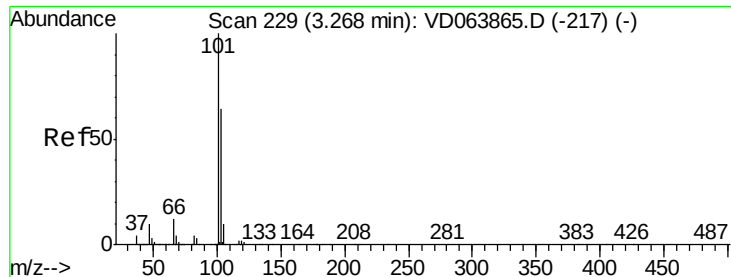
Tgt Ion: 64 Resp: 53992

Ion Ratio Lower Upper

64 100

66 34.9 23.0 34.4#





#7

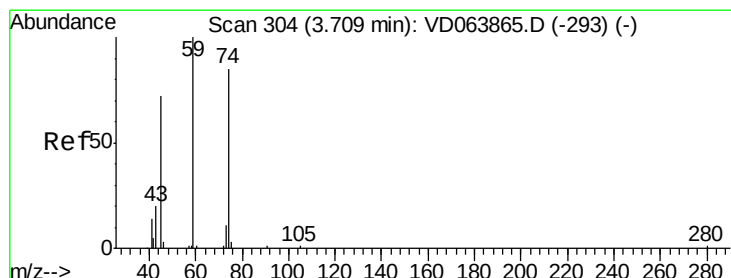
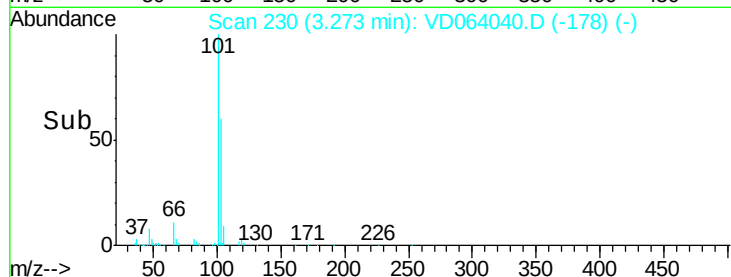
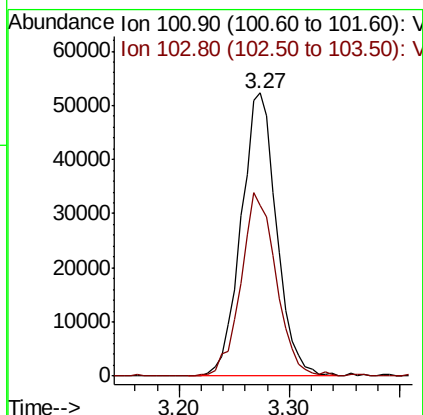
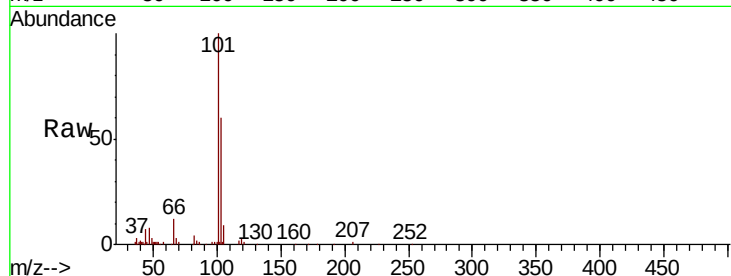
Trichlorofluoromethane
Concen: 27.081 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.2	51.1	76.7

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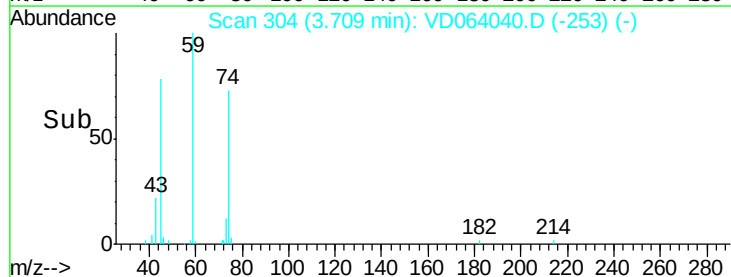
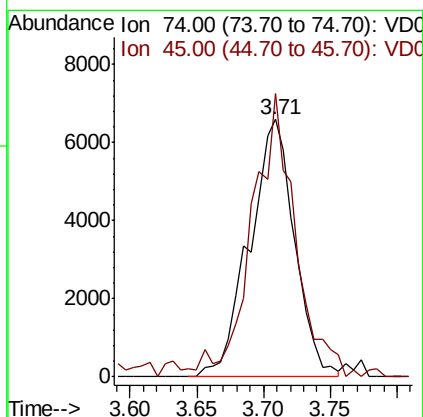
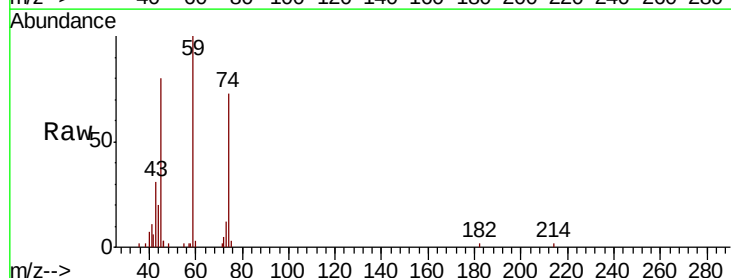
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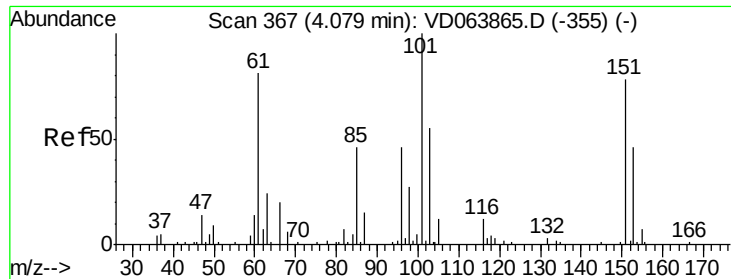


#8

Diethyl Ether
Concen: 22.229 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.4	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.988 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

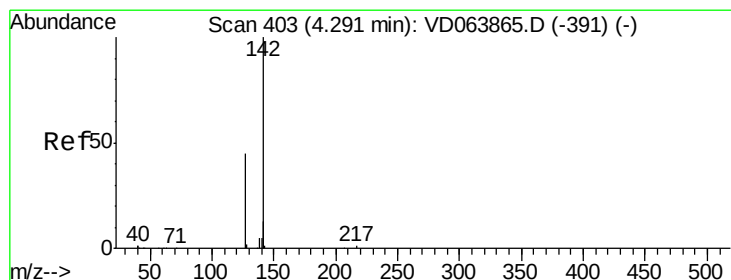
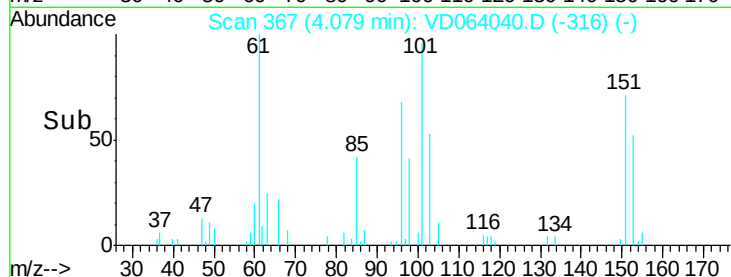
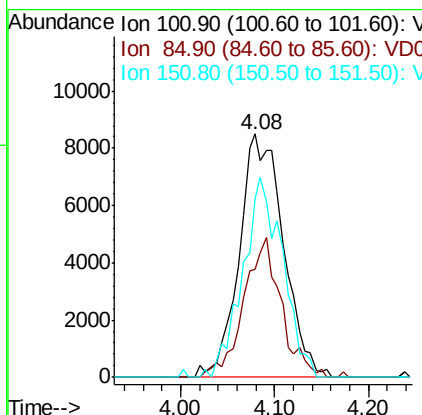
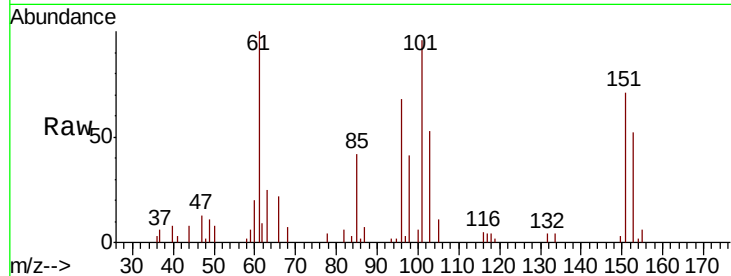
ClientSampleId :

VD1024SBS01

Tot Ion:	101	Resp:	27607
Ion Ratio	Lower	Upper	
101	100		
85	48.7	37.5	56.3
151	74.4	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 16.714 ug/l

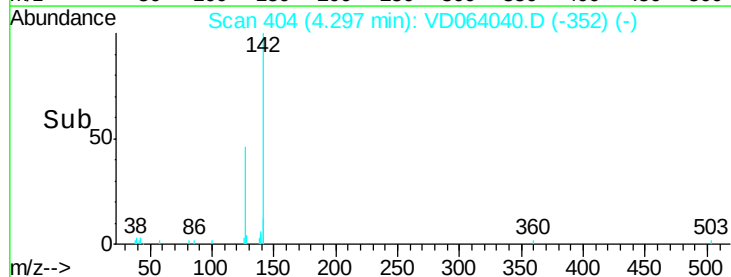
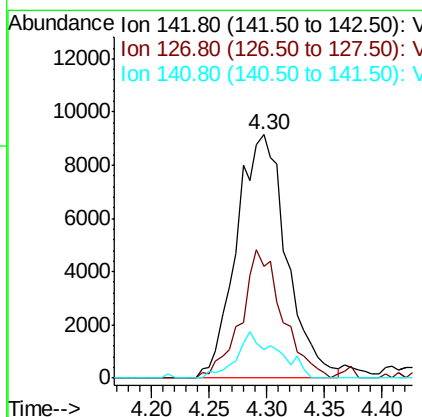
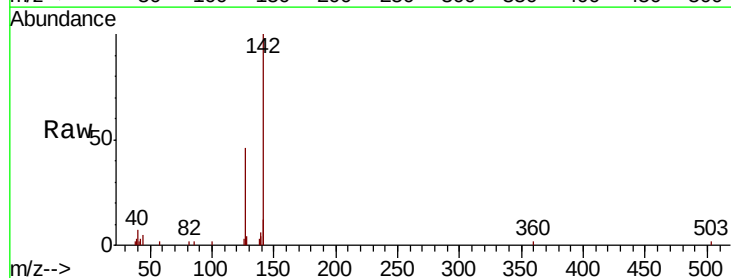
RT: 4.30 min Scan# 404

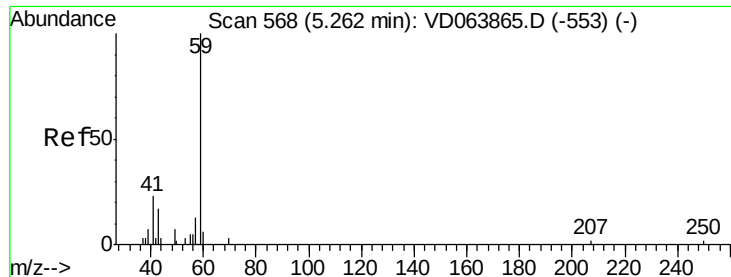
Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Tgt Ion:	142	Resp:	27659
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.3	52.9
141	15.5	12.2	18.2





#11

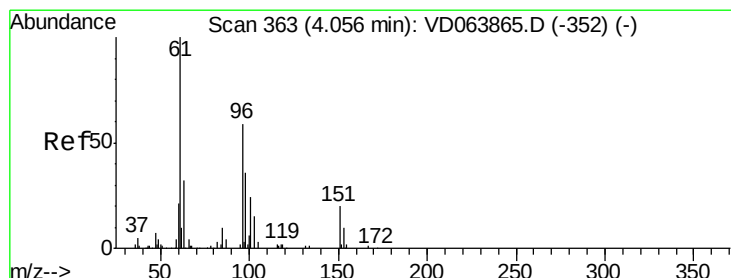
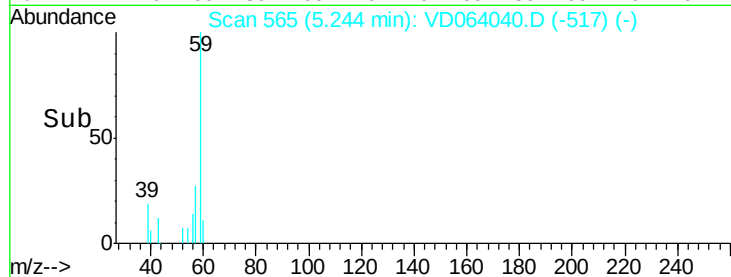
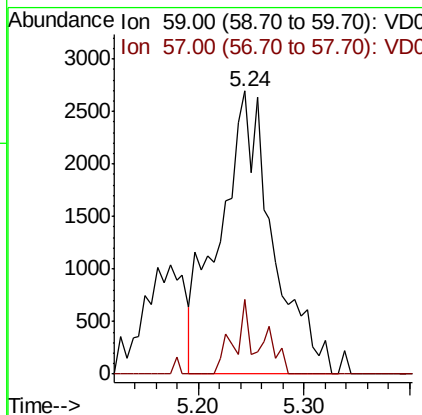
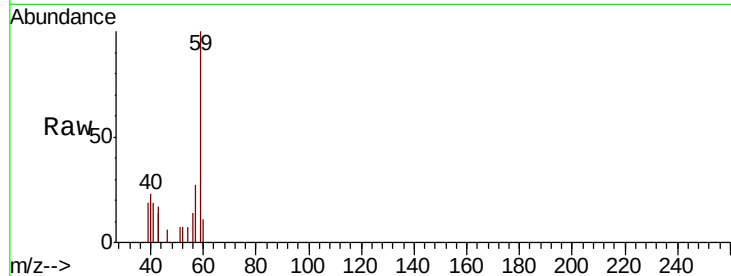
Tert butyl alcohol
 Concen: 92.252 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion: 59 Resp: 9423
 Ion Ratio Lower Upper
 59 100
 57 7.9 8.8 13.2#

Manual Integrations
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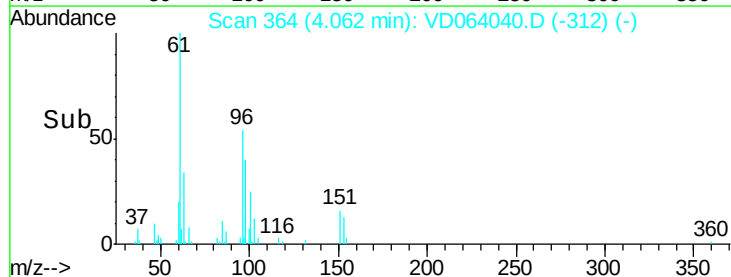
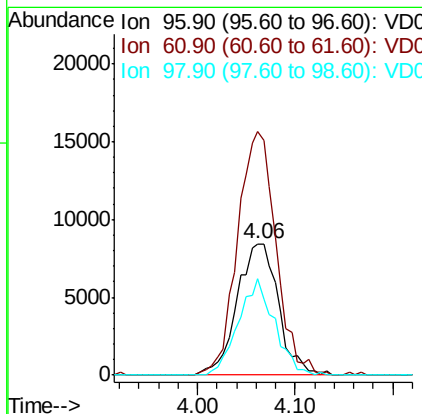
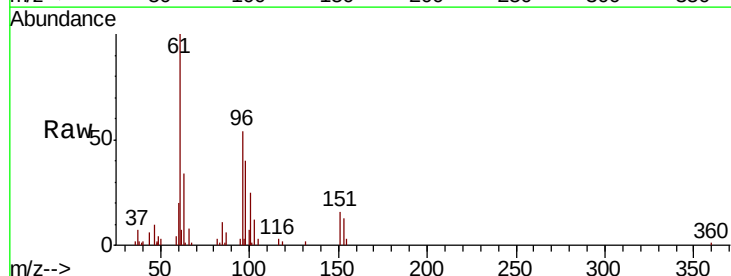
MMDadoda
 10/25/2019 4:48:07 PM

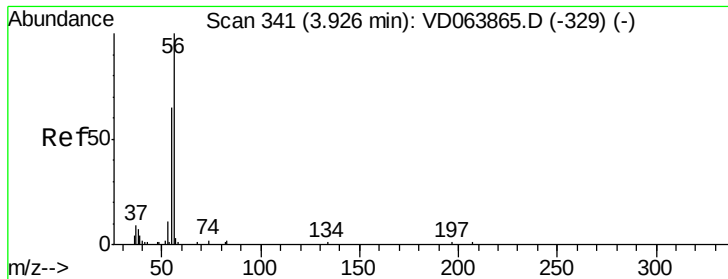


#12

1,1-Dichloroethene
 Concen: 20.756 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion: 96 Resp: 24904
 Ion Ratio Lower Upper
 96 100
 61 185.9 135.6 203.4
 98 74.0 49.2 73.8#





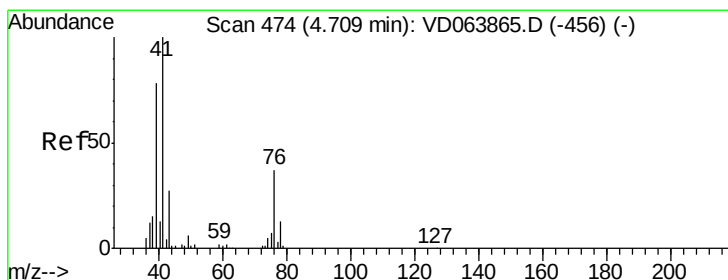
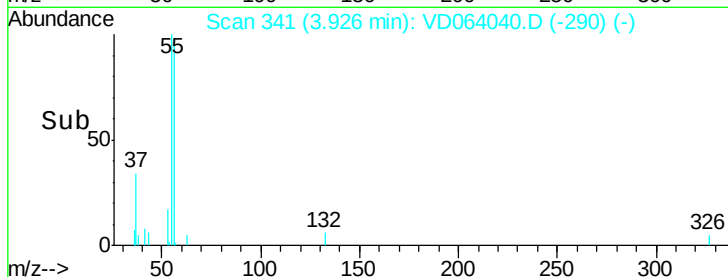
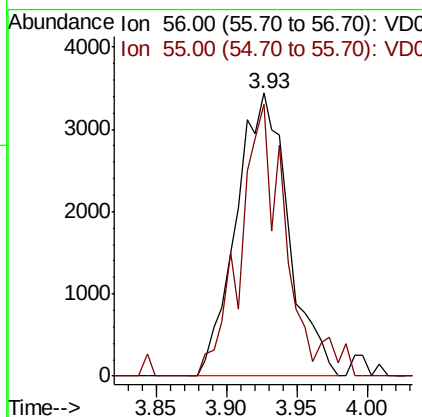
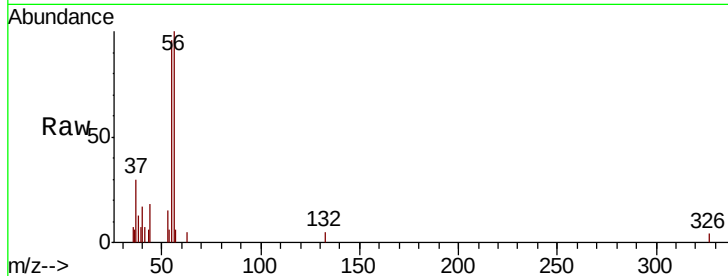
#13
 Acrolein
 Concen: 71.645 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	78.1	53.0	79.6

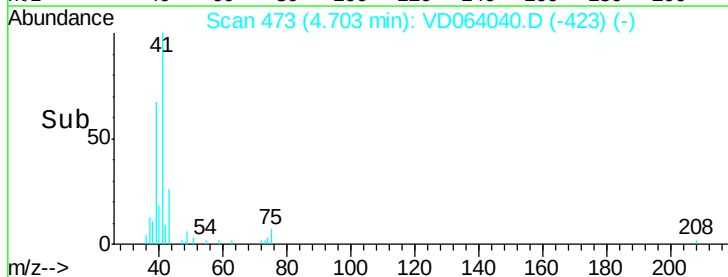
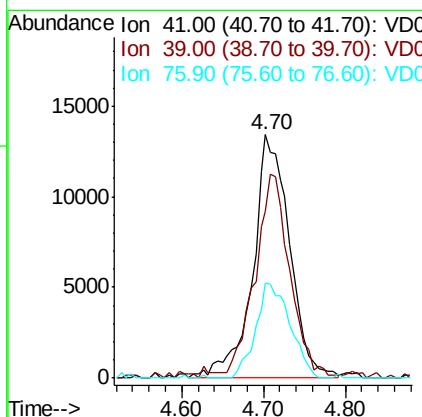
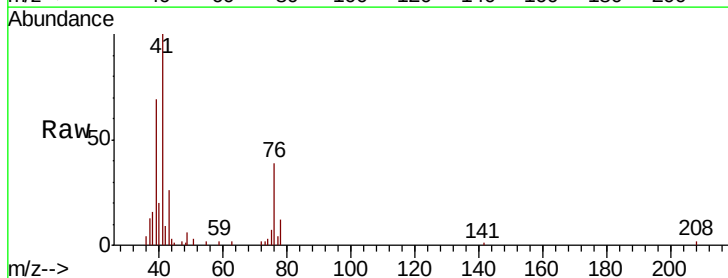
Manual Integrations
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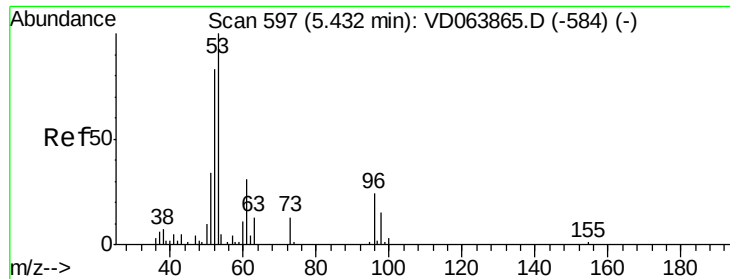
MMDadoda
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#14
 Allyl chloride
 Concen: 21.058 ug/l
 RT: 4.70 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
41	100		
39	79.8	61.8	92.6
76	36.5	31.3	46.9





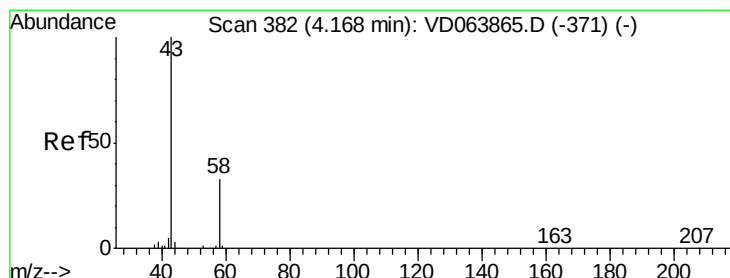
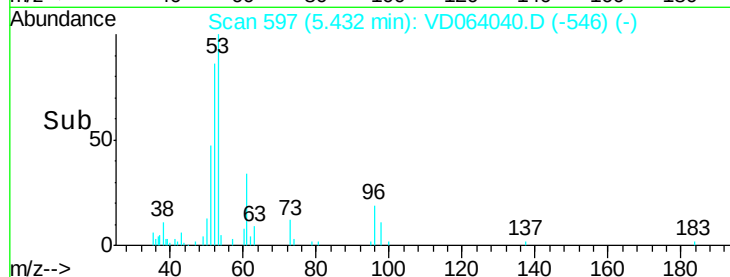
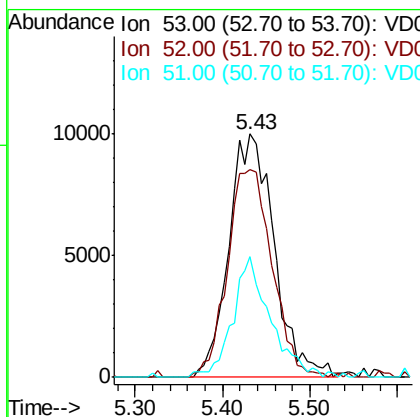
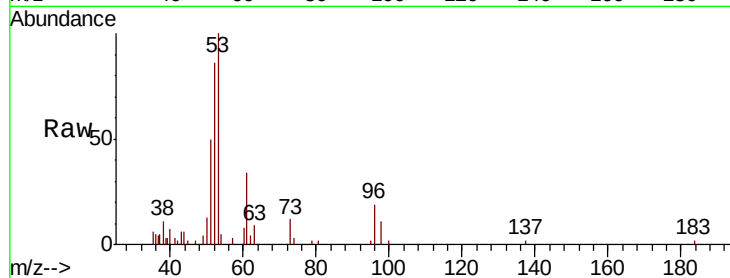
#15
 Acrylonitrile
 Concen: 114.725 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.3	67.3	100.9
51	41.0	30.5	45.7

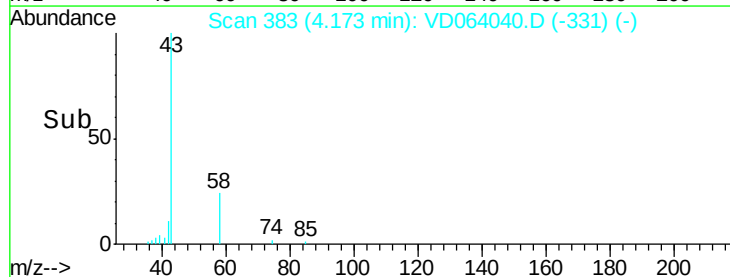
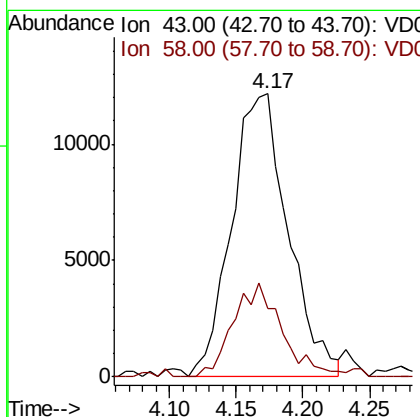
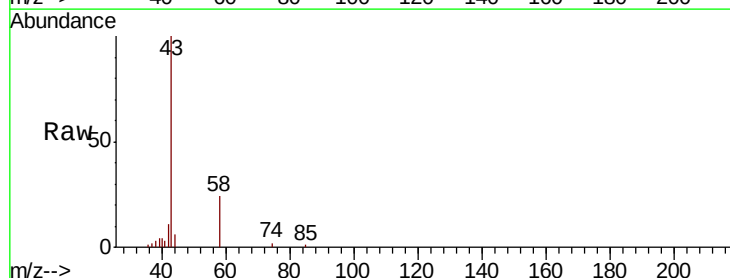
Manual Integrations
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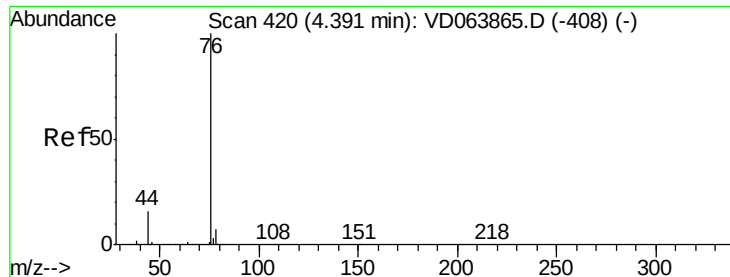
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#16
 Acetone
 Concen: 98.669 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.1	26.2	39.4#





#17

Carbon Disulfide

Concen: 18.790 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 76 Resp: 81953

Ion Ratio Lower Upper

76 100

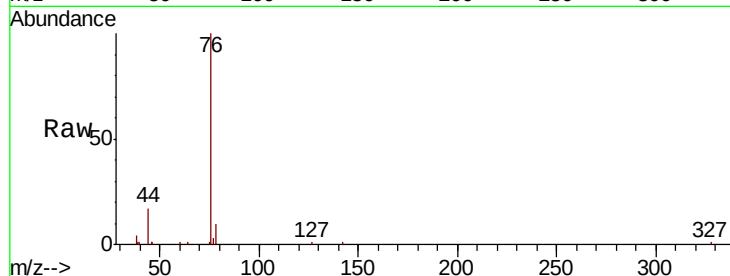
78 10.0 5.8 8.8#

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

30000

25000

20000

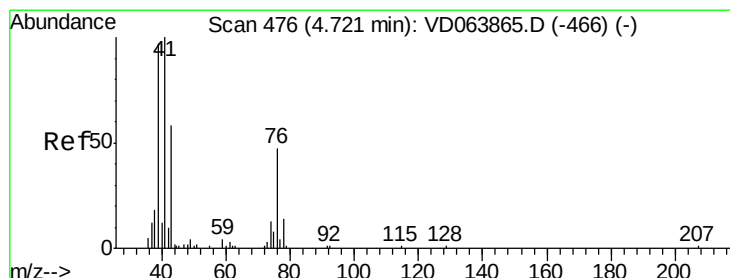
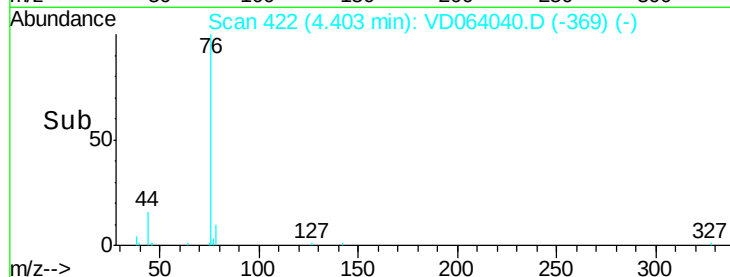
15000

10000

5000

0

Time-->



#18

Methyl Acetate

Concen: 24.747 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064040.D

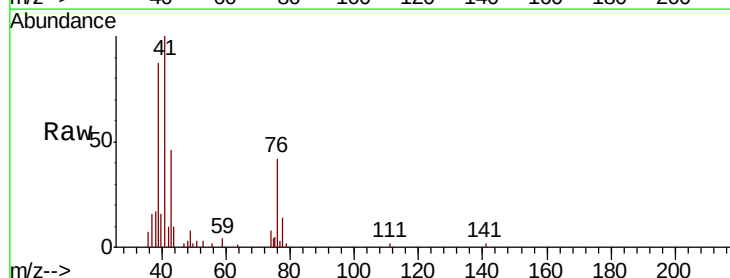
Acq: 24 Oct 2019 12:05

Tgt Ion: 43 Resp: 17565

Ion Ratio Lower Upper

43 100

74 4.6 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

6000

5000

4000

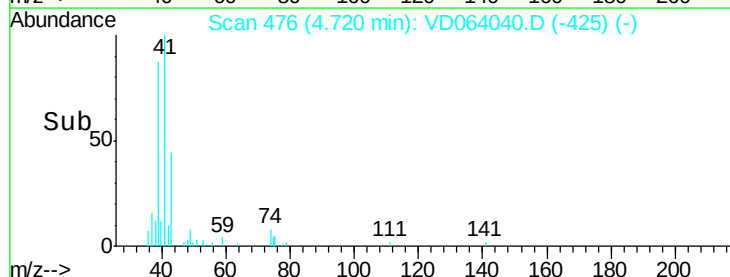
3000

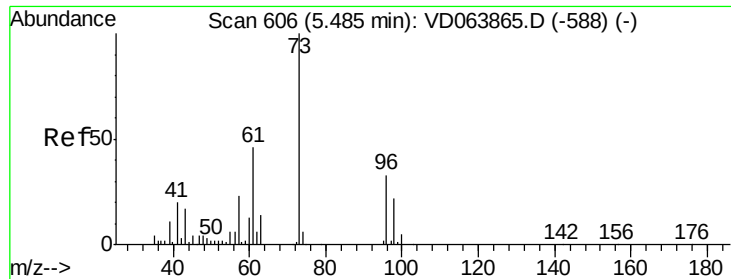
2000

1000

0

Time-->





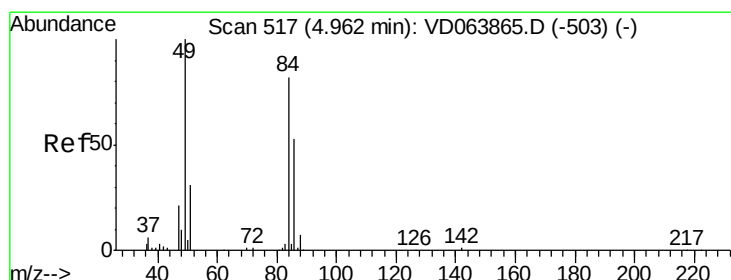
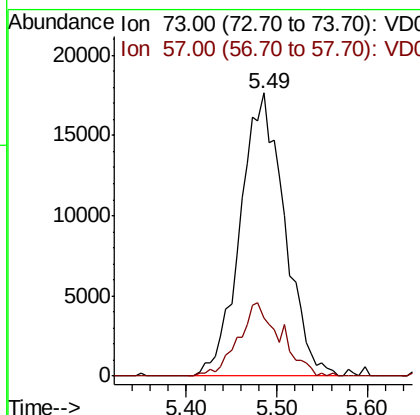
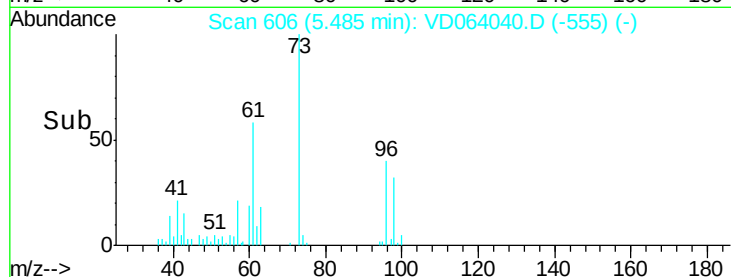
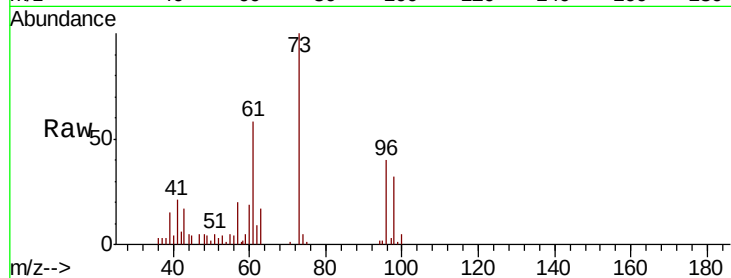
#19
Methyl tert-butyl Ether
Concen: 19.314 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion: 73 Resp: 60010
Ion Ratio Lower Upper
73 100
57 20.5 18.1 27.1

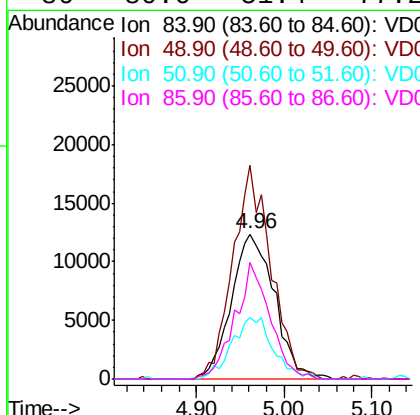
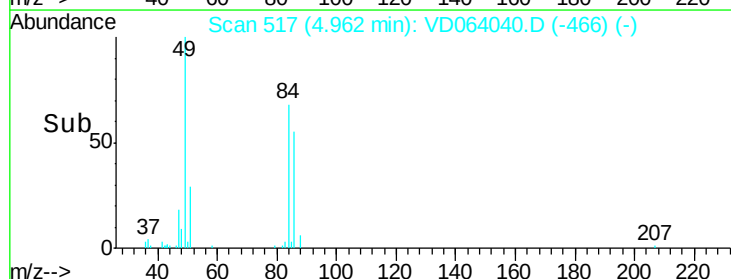
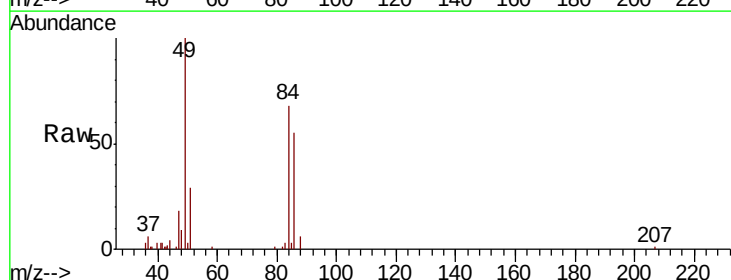
Manual Integrations
APPROVED

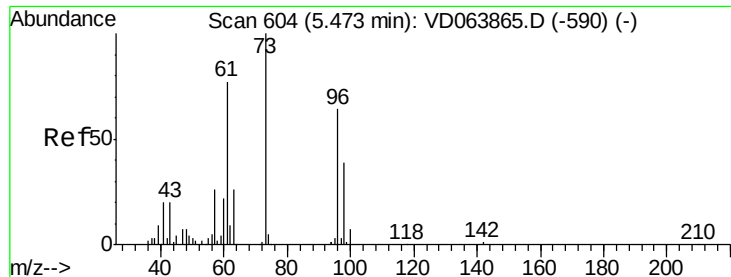
MMDadoda
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#20
Methylene Chloride
Concen: 24.111 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion: 84 Resp: 41332
Ion Ratio Lower Upper
84 100
49 147.6 97.3 145.9#
51 42.8 30.1 45.1
86 80.6 51.4 77.2#





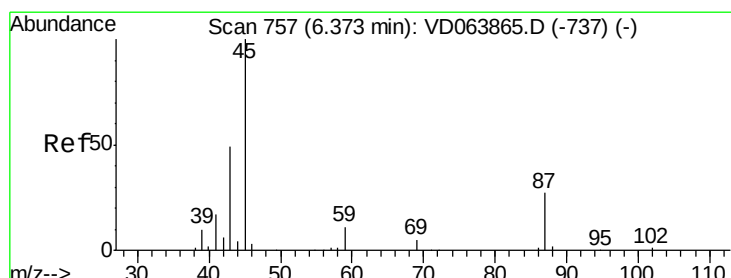
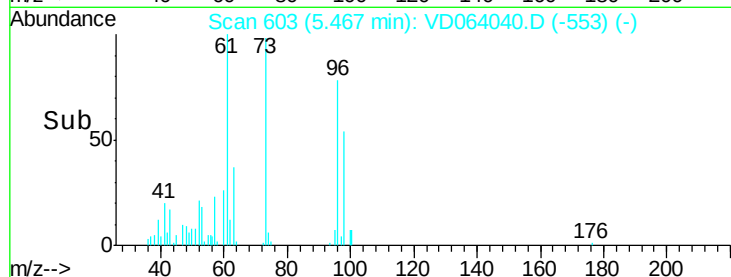
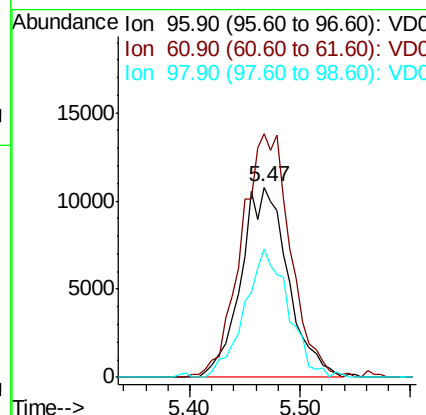
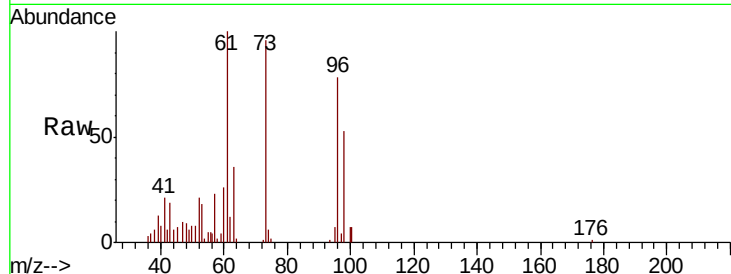
#21
trans-1,2-Dichloroethene
Concen: 21.511 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.5	96.6	145.0
98	67.8	48.7	73.1

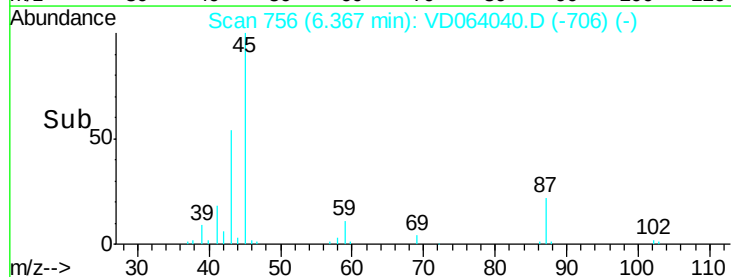
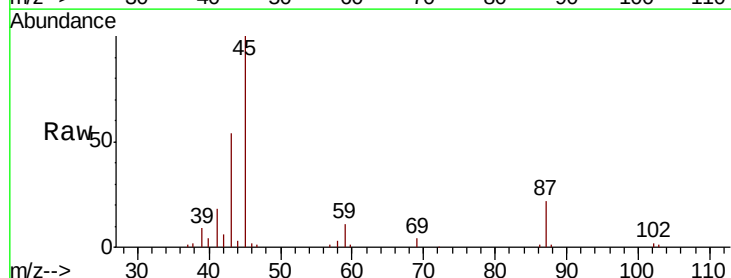
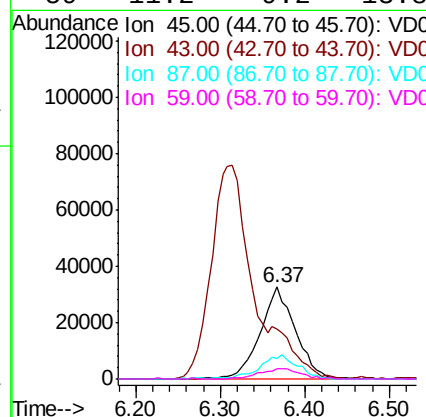
Manual Integrations
APPROVED

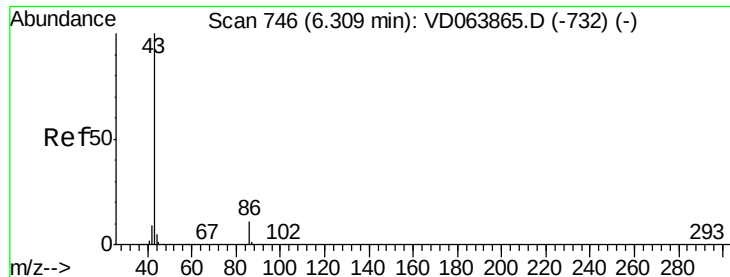
MMDadoda
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#22
Diisopropyl ether
Concen: 23.246 ug/l
RT: 6.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.1	41.2	61.8
87	22.0	22.2	33.4#
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 111.544 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 43 Resp: 270339

Ion Ratio Lower Upper

43 100

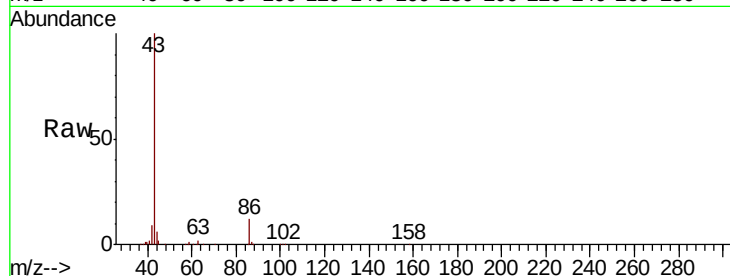
86 12.2 8.8 13.2

Manual Integrations

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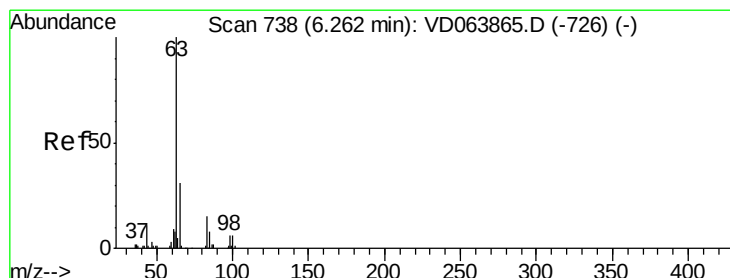
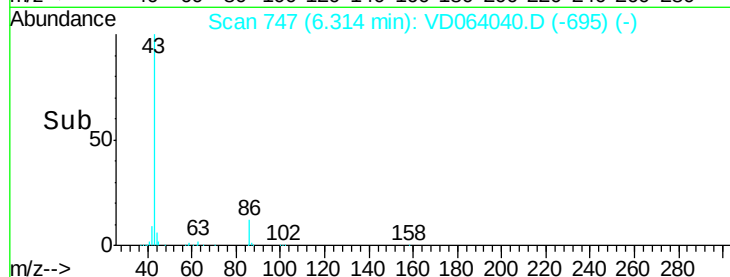
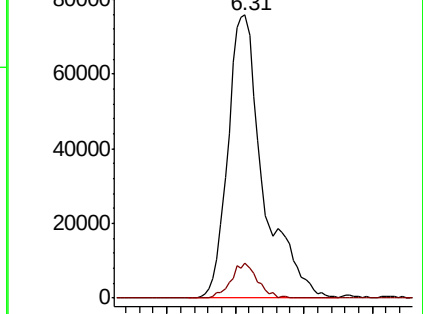
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.366 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

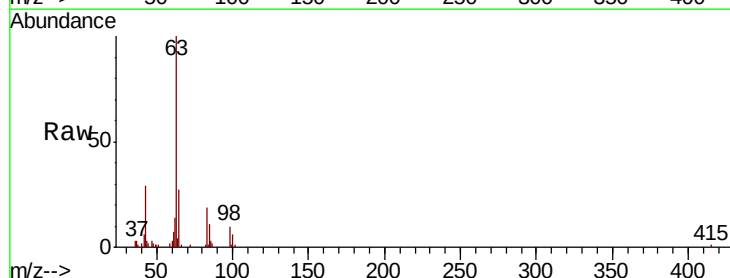
Tgt Ion: 63 Resp: 58635

Ion Ratio Lower Upper

63 100

98 9.7 3.1 9.4#

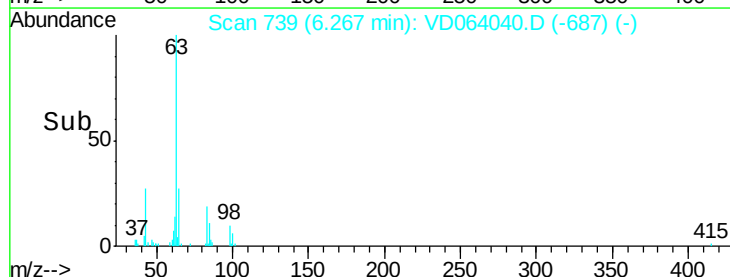
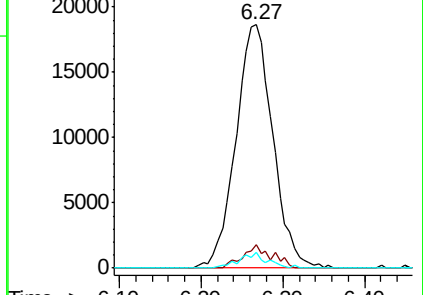
100 6.4 3.0 9.2

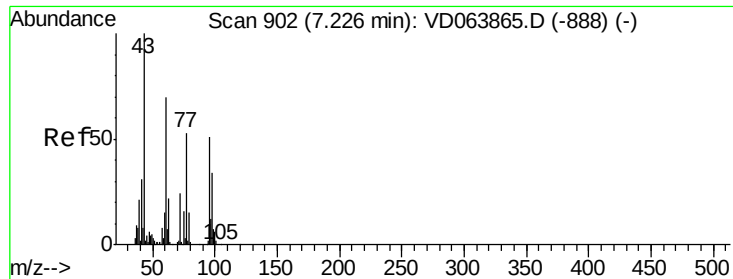


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 114.474 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 43 Resp: 49231

Ion Ratio Lower Upper

43 100

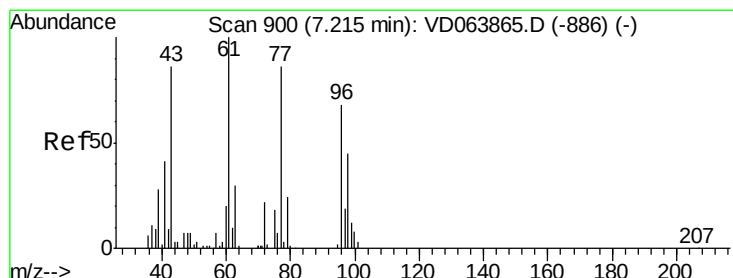
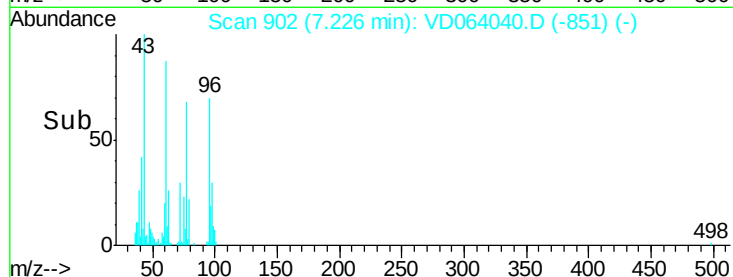
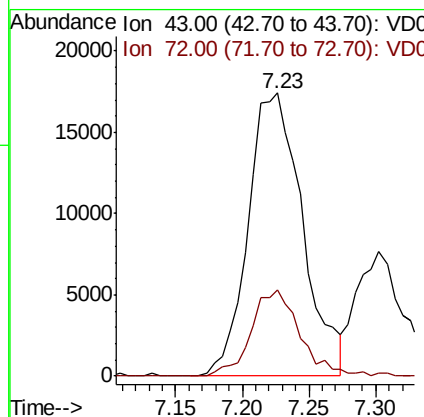
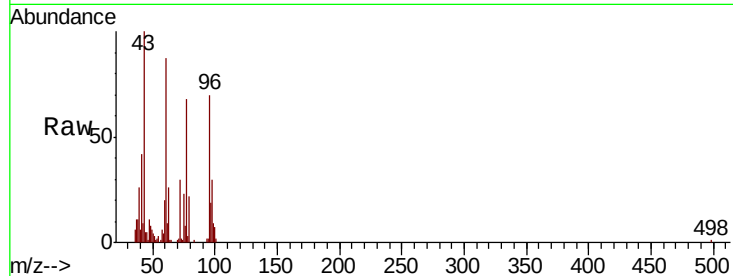
72 30.3 19.2 28.8#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.870 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064040.D

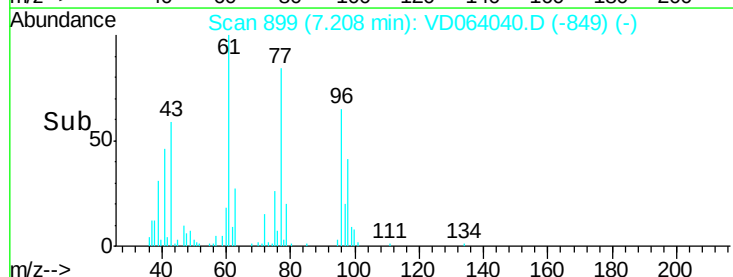
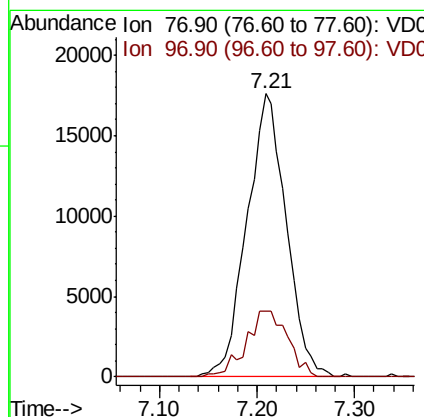
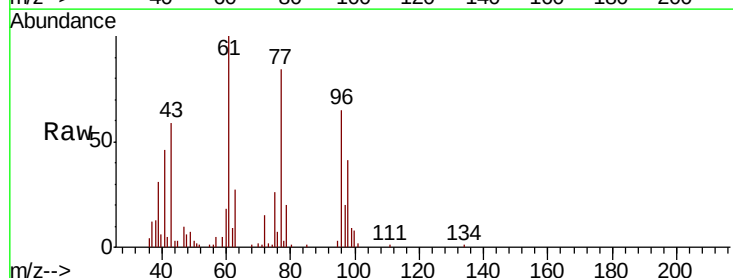
Acq: 24 Oct 2019 12:05

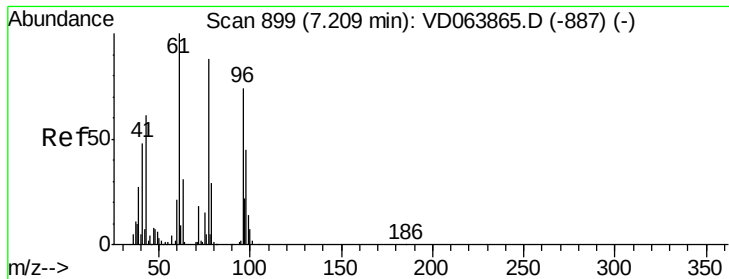
Tgt Ion: 77 Resp: 49645

Ion Ratio Lower Upper

77 100

97 24.7 11.4 34.1





#27

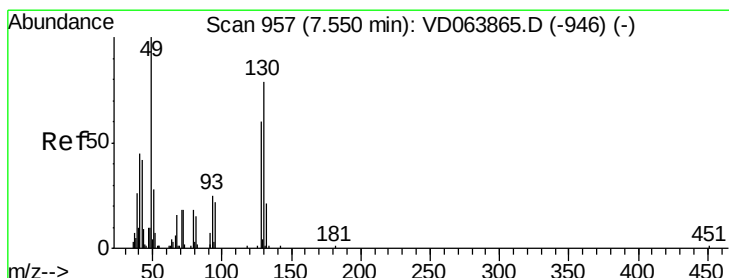
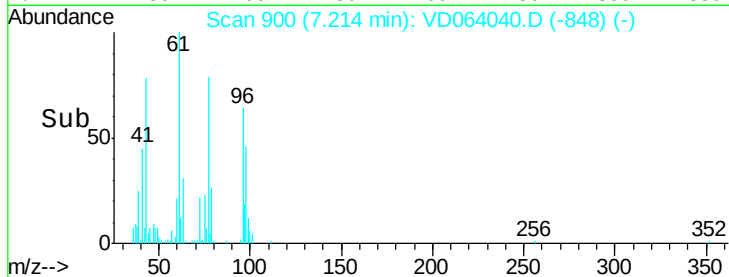
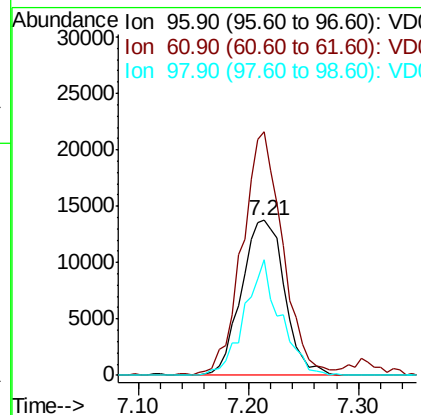
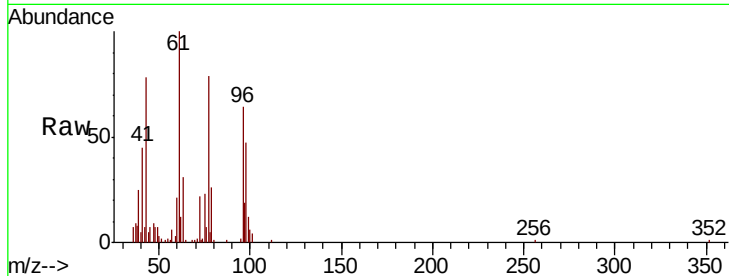
cis-1,2-Dichloroethene
Concen: 22.329 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	37750		
61	146.7		0.0	280.0
98	61.9		0.0	130.4

Manual Integrations
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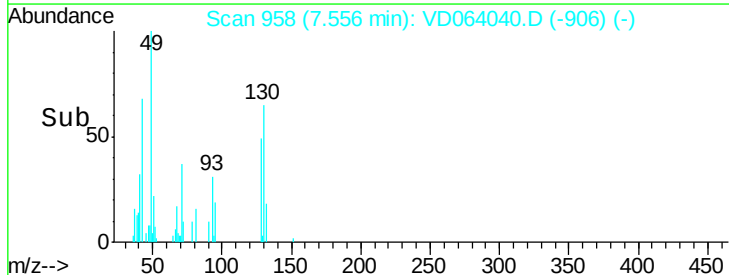
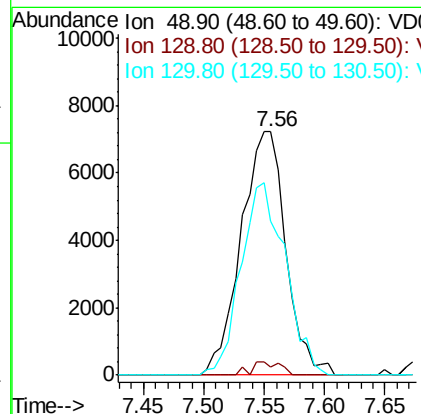
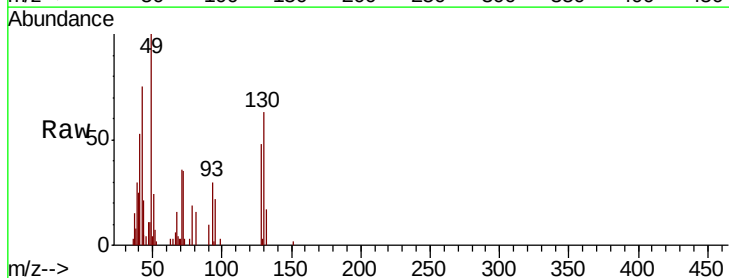
MMDadoda
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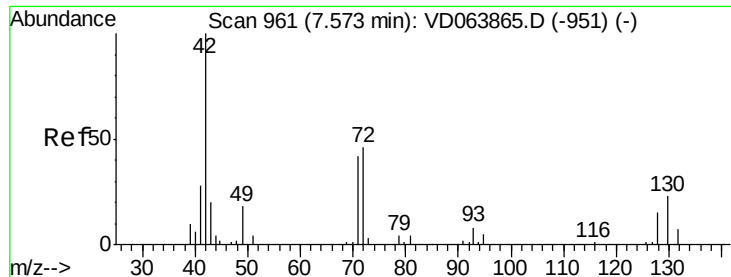


#28

Bromochloromethane
Concen: 20.707 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	18674		
129	3.5		0.0	5.6
130	78.1		66.8	100.2





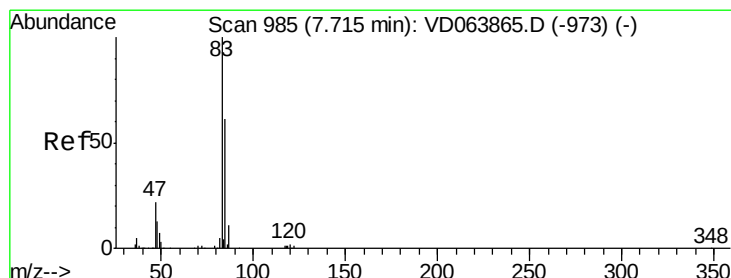
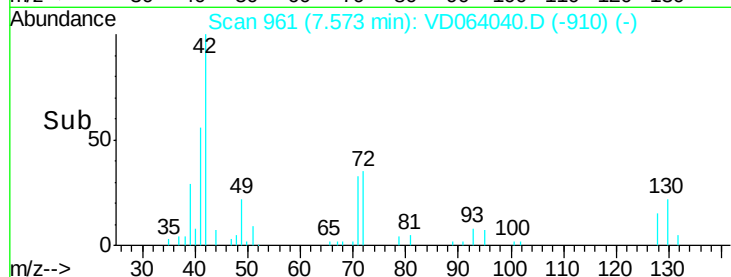
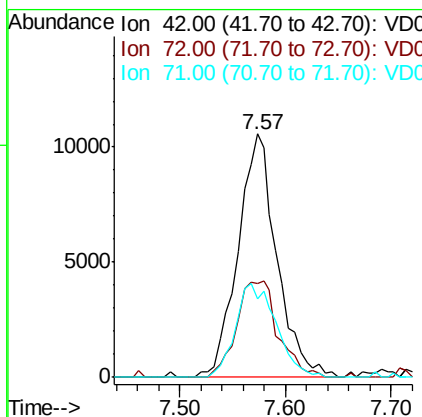
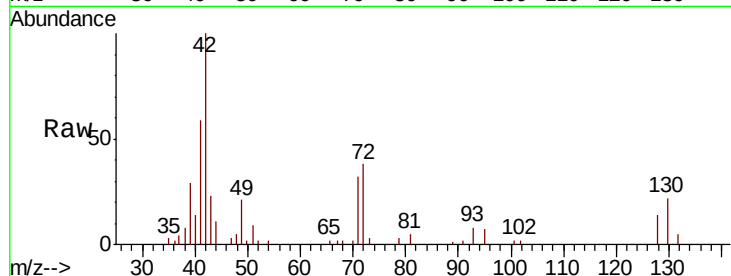
#29
Tetrahydrofuran
Concen: 107.414 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	37.6	56.4
71	40.4	35.0	52.6

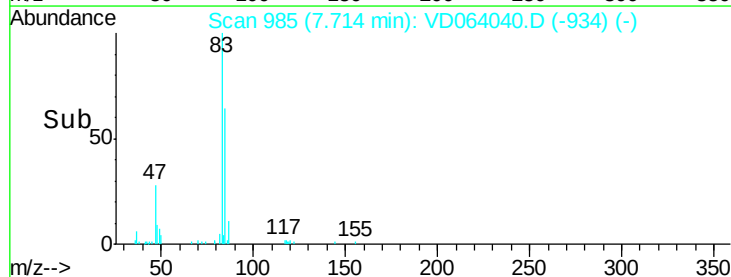
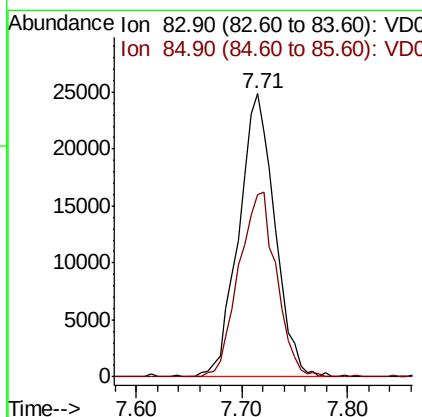
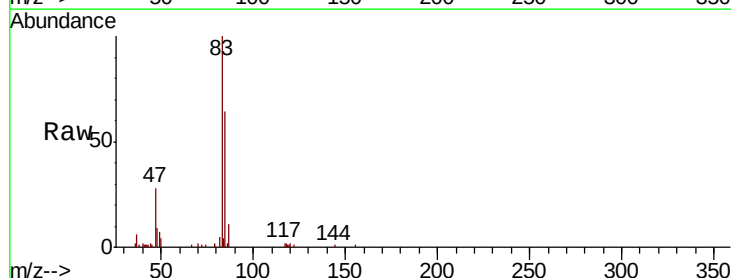
Manual Integrations
APPROVED

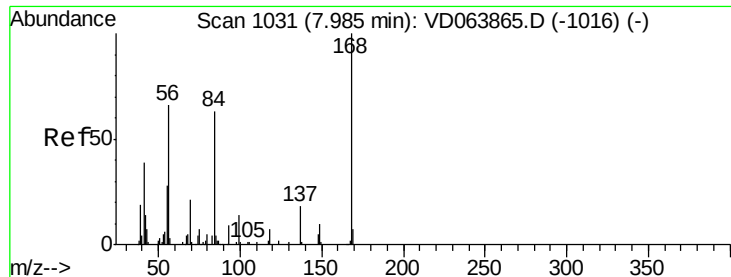
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#30
Chloroform
Concen: 21.541 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	48.9	73.3





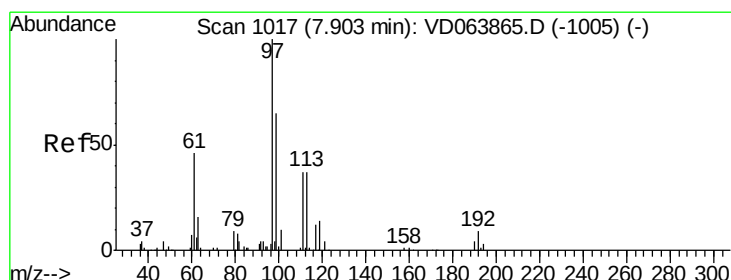
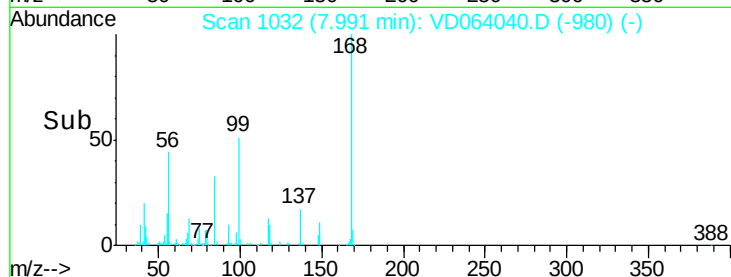
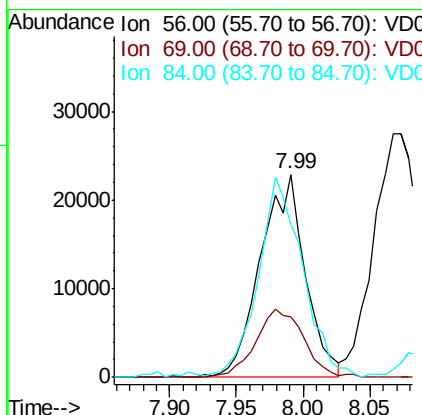
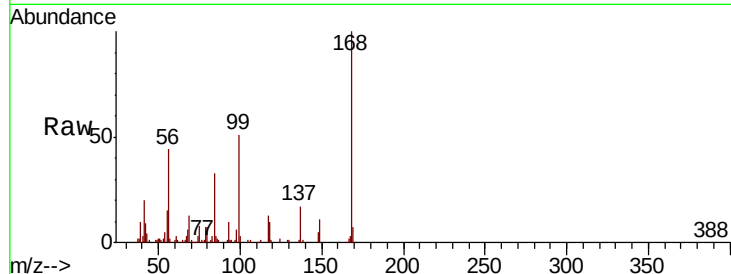
#31
Cyclohexane
Concen: 23.582 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	25.0	37.4
84	72.7	76.3	114.5#

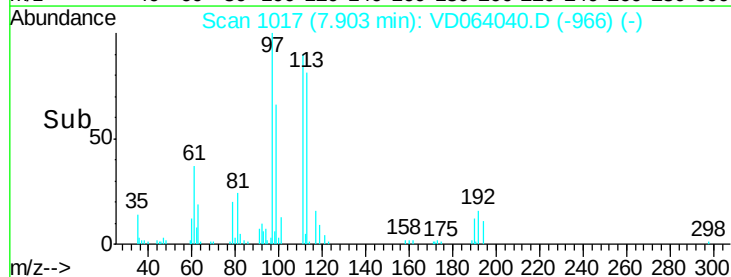
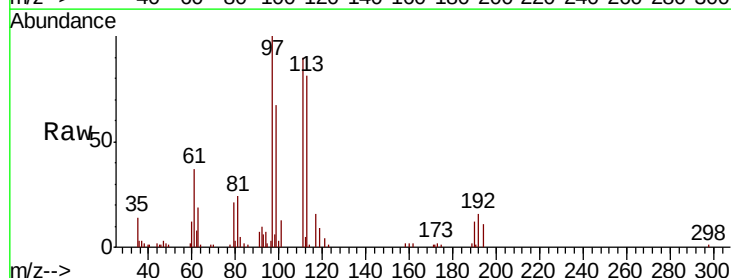
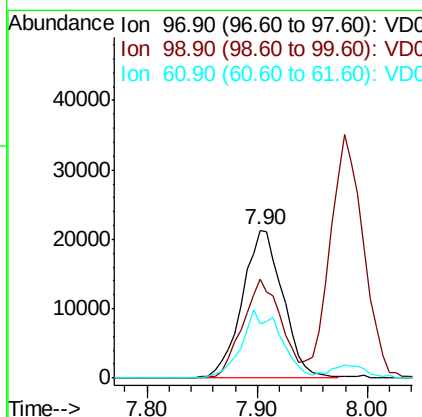
Manual Integrations
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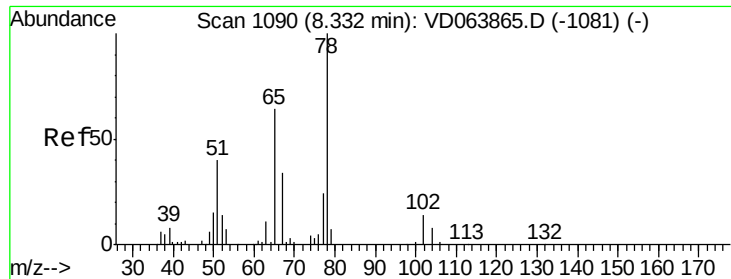
MMDadoda
10/25/2019 4:48:07 PM



#32
1,1,1-Trichloroethane
Concen: 23.577 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	52.4	78.6
61	44.3	33.8	50.8





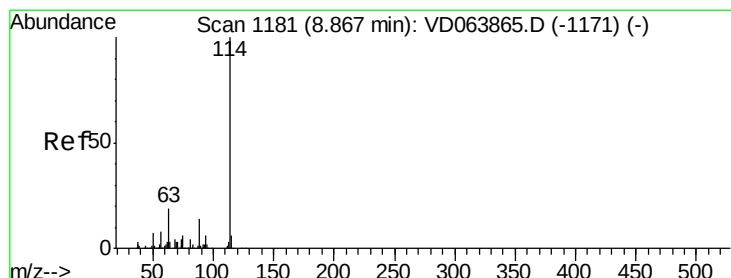
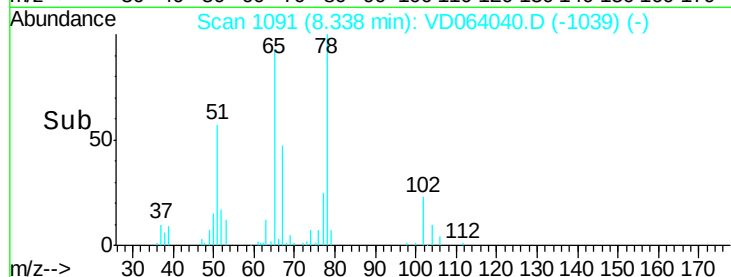
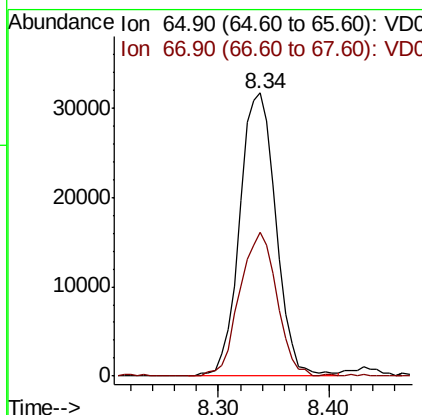
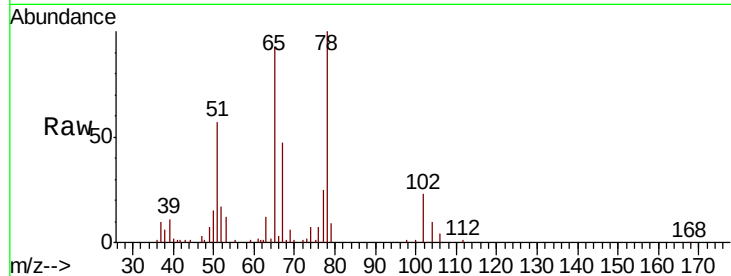
#33
 1,2-Dichloroethane-d4
 Concen: 52.489 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	106.4

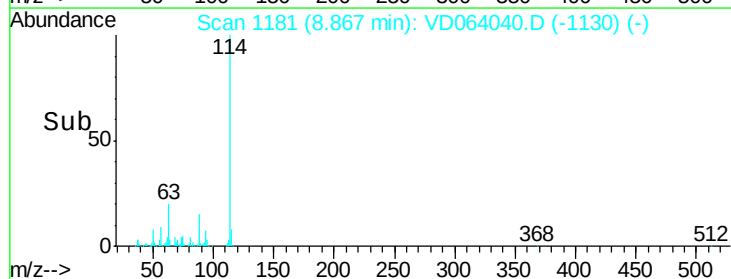
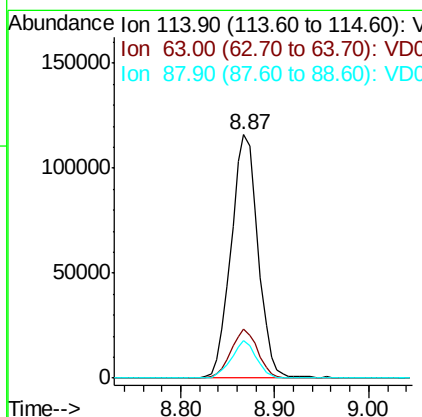
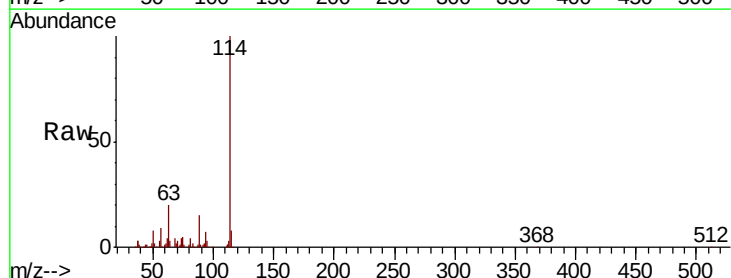
Manual Integrations
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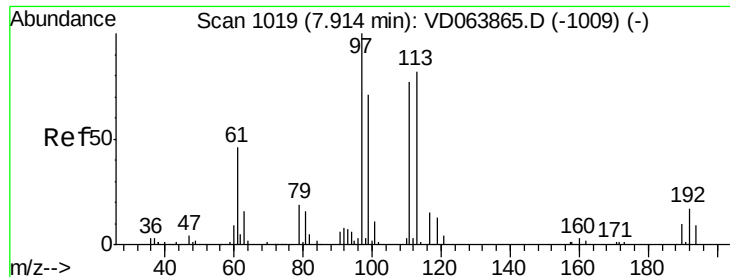
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	38.4
88	15.2	0.0	27.4





#35

Dibromofluoromethane

Concen: 53.362 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

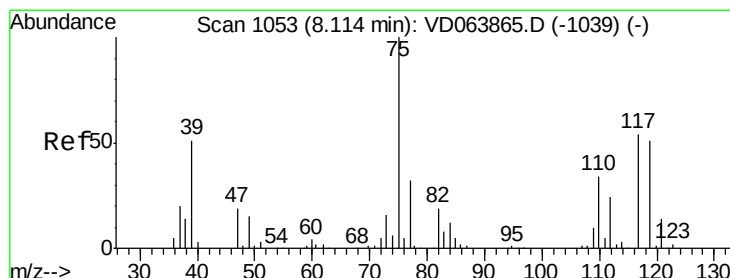
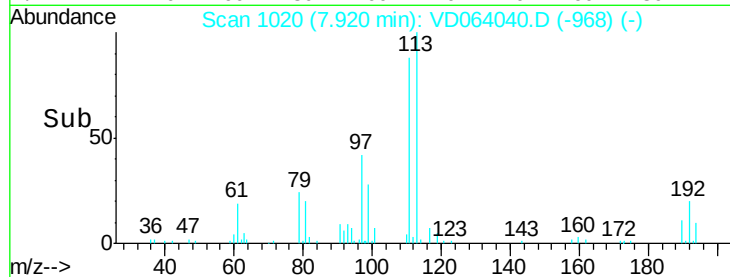
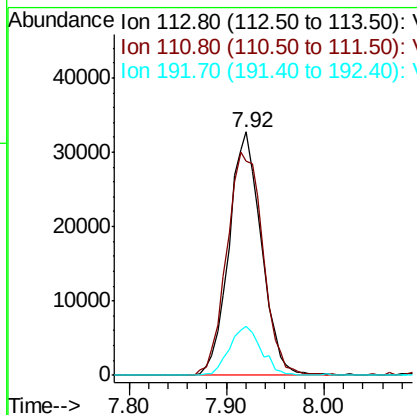
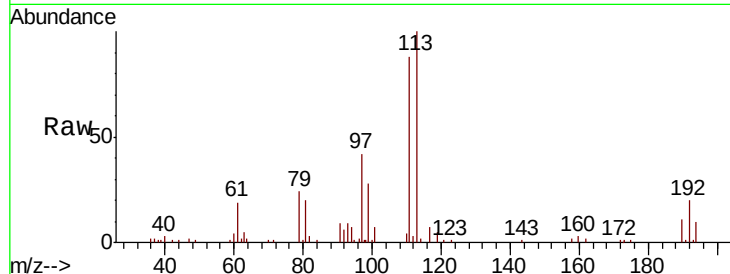
ClientSampleId :

VD1024SBS01

Tot Ion:	113	Resp:	75433
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	19.8	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 23.298 ug/l

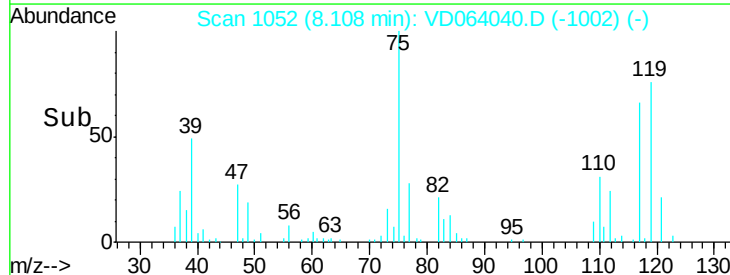
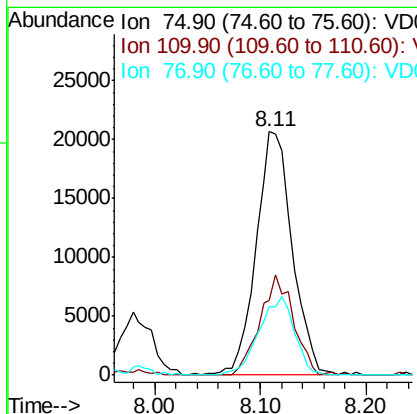
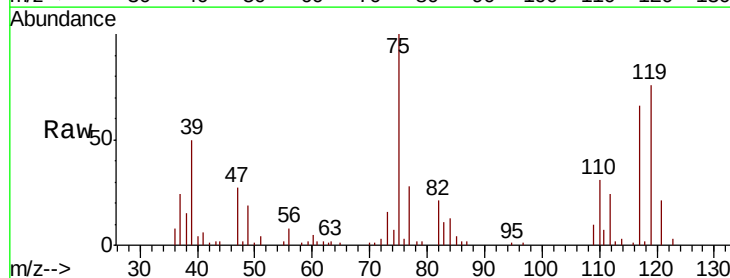
RT: 8.11 min Scan# 1052

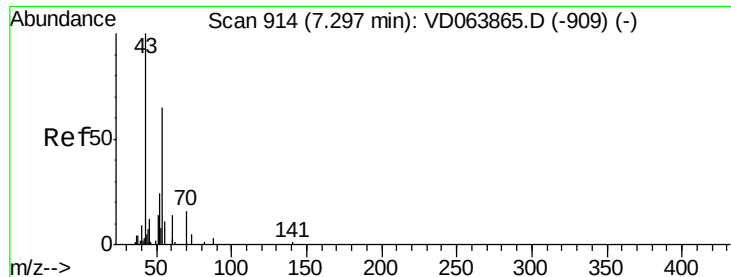
Delta R.T. -0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Tgt Ion:	75	Resp:	49273
Ion	Ratio	Lower	Upper
75	100		
110	37.9	17.4	52.3
77	31.3	25.4	38.0





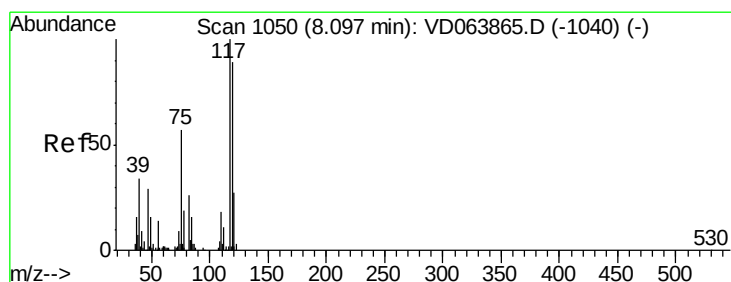
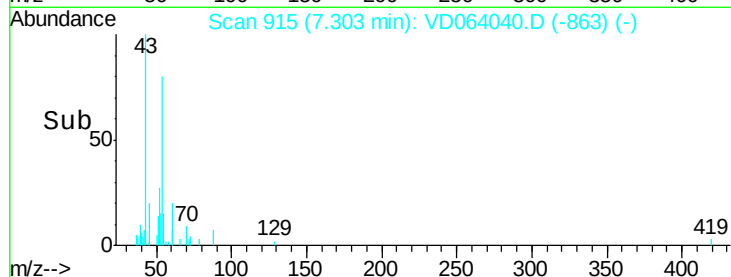
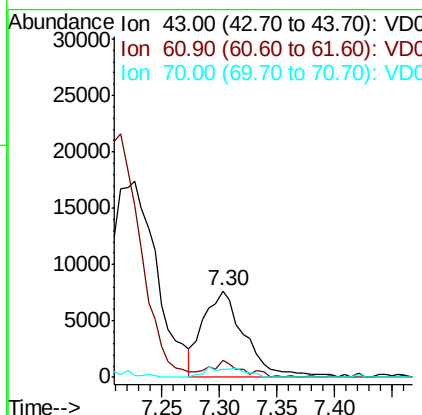
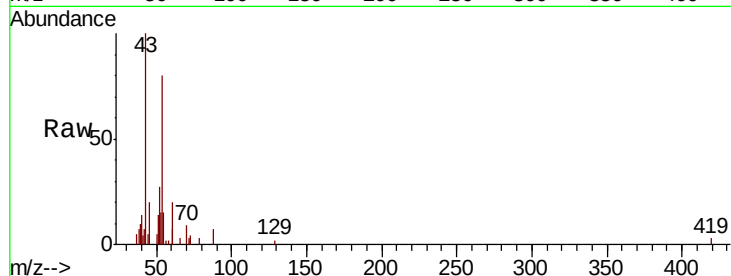
#37
Ethyl Acetate
Concen: 20.446 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	6.5	8.2	12.4

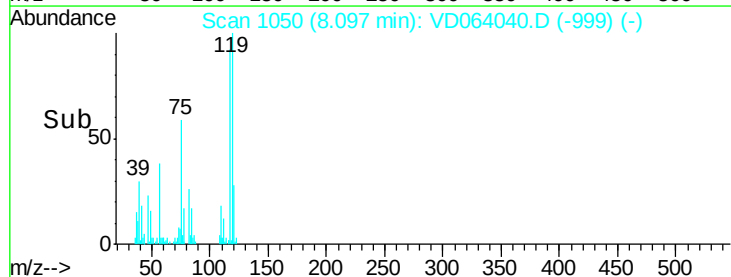
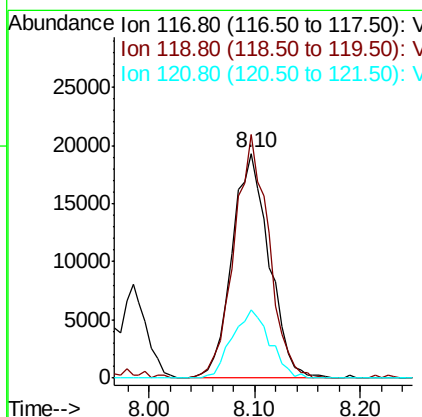
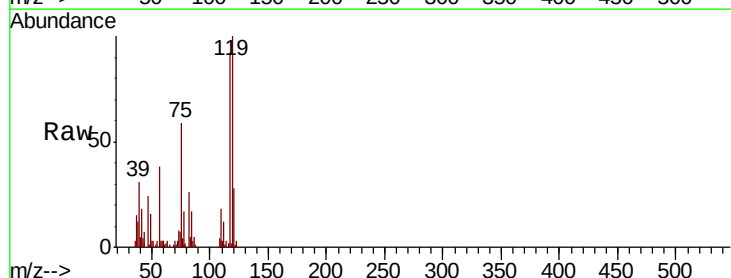
Manual Integrations
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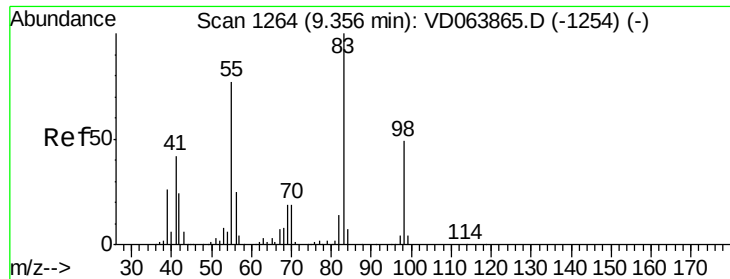
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#38
Carbon Tetrachloride
Concen: 21.961 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	108.4	70.8	106.2
121	30.4	21.4	32.0





#39

Methylvlcyclohexane

Concen: 22.249 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

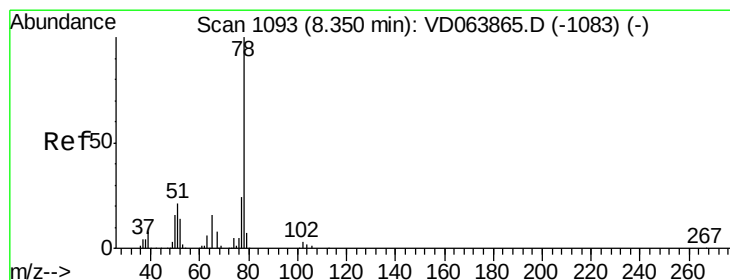
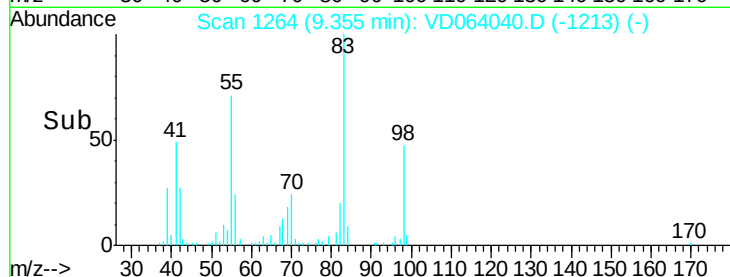
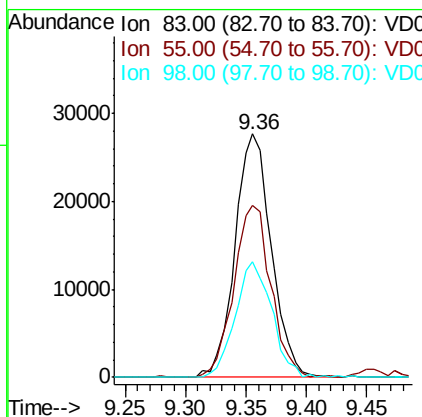
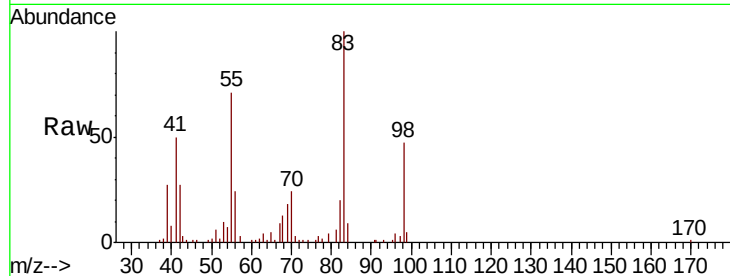
ClientSampleId :

VD1024SBS01

Tot Ion:	83	Resp:	57857
Ion Ratio	Lower	Upper	
83	100		
55	70.7	61.3	91.9
98	47.4	39.3	58.9

Manual Integrations
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#40

Benzene

Concen: 22.855 ug/l

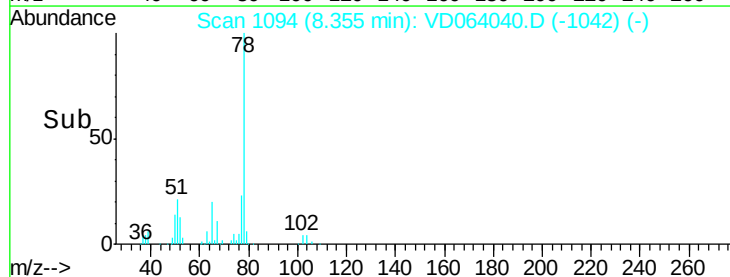
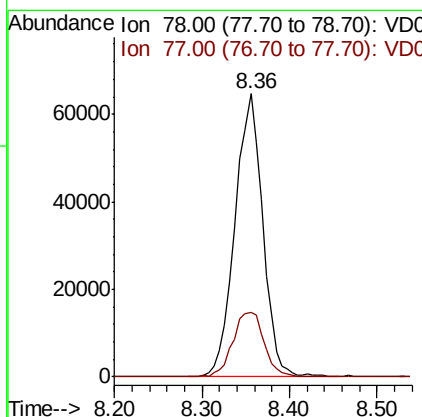
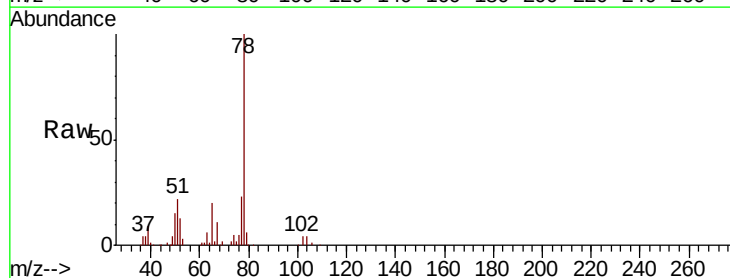
RT: 8.36 min Scan# 1094

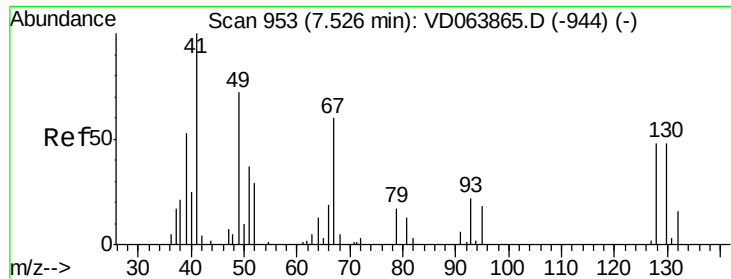
Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Tgt Ion:	78	Resp:	138521
Ion Ratio	Lower	Upper	
78	100		
77	22.9	19.0	28.6





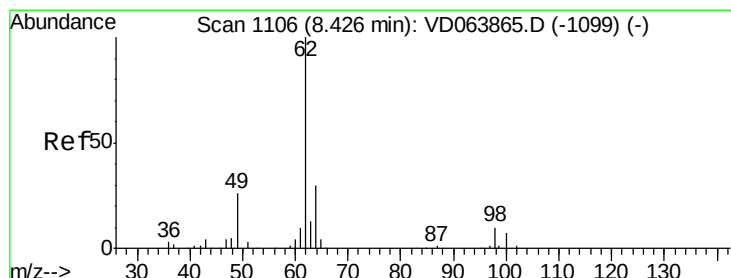
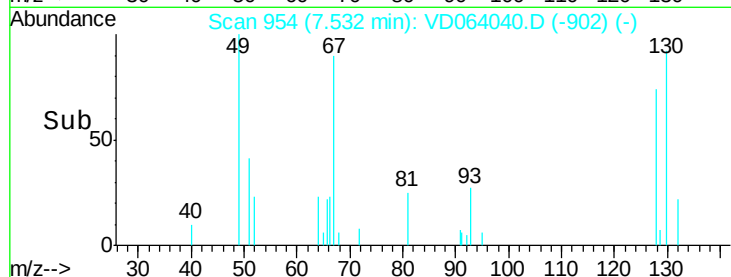
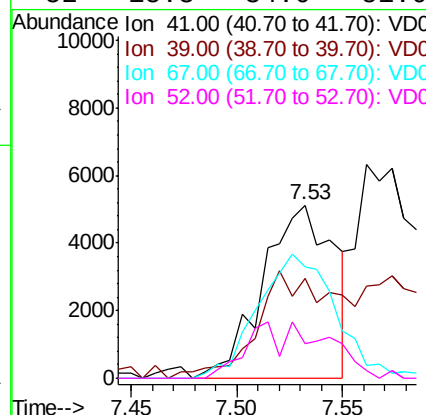
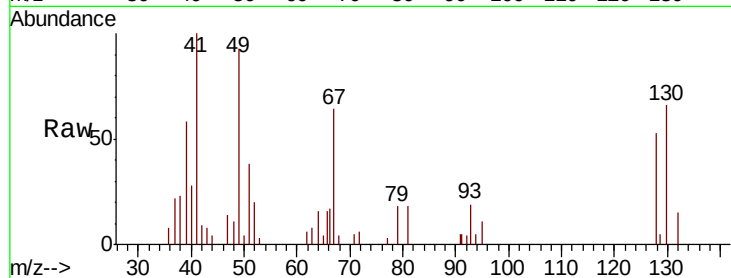
#41
Methacrylonitrile
Concen: 24.436 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.1	52.6	78.8
67	78.6	74.2	111.2
52	15.3	34.0	51.0

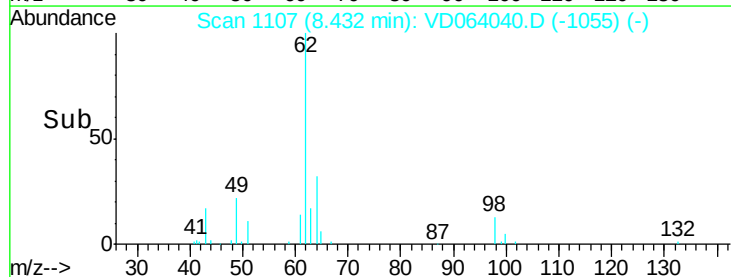
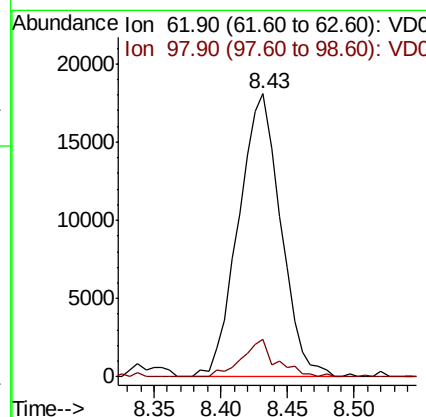
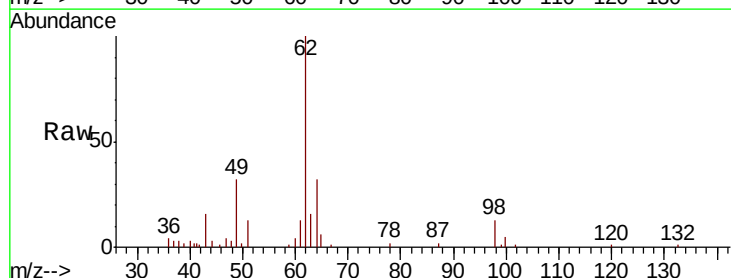
Manual Integrations
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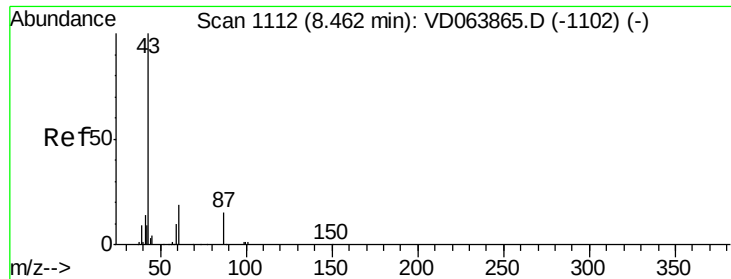
MMDadoda
10/25/2019 4:48:07 PM



#42
1,2-Dichloroethane
Concen: 22.600 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.0





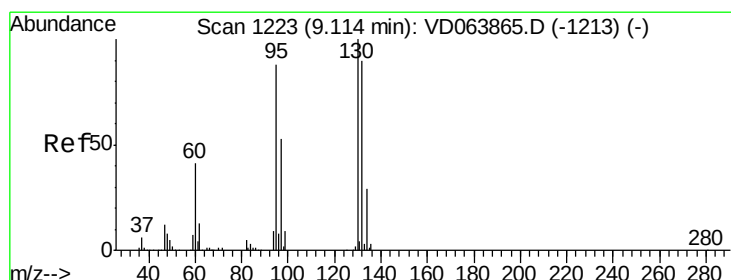
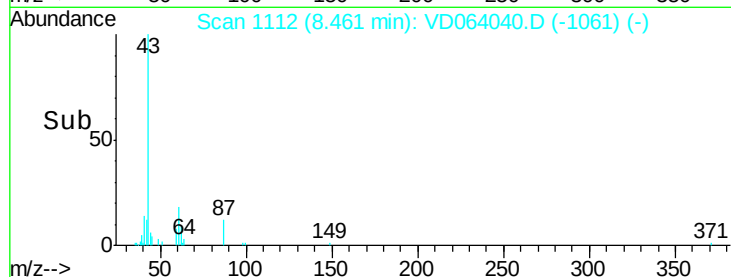
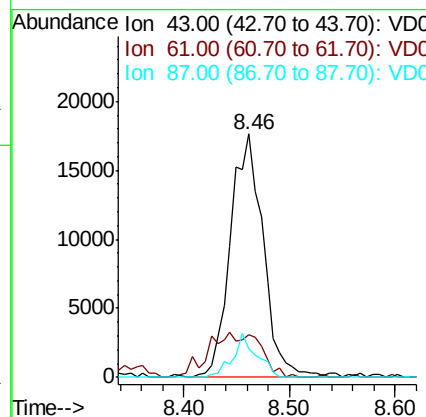
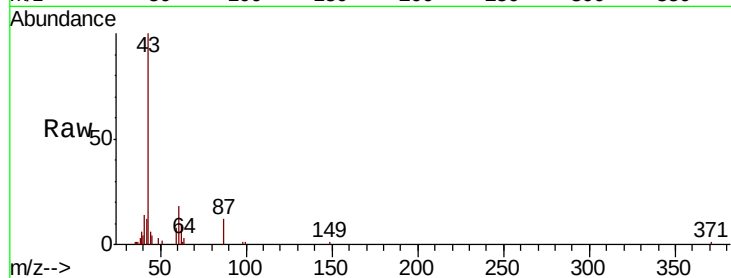
#43
Isopropyl Acetate
Concen: 21.434 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	25.7	38.5#
87	13.1	11.6	17.4

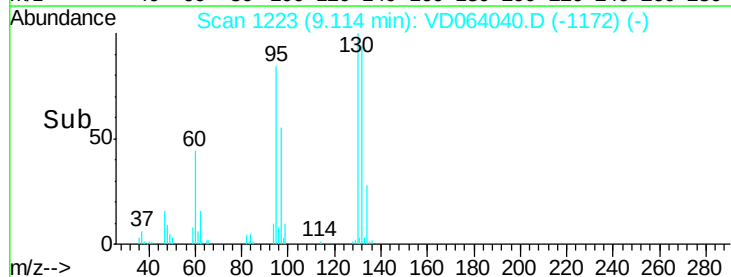
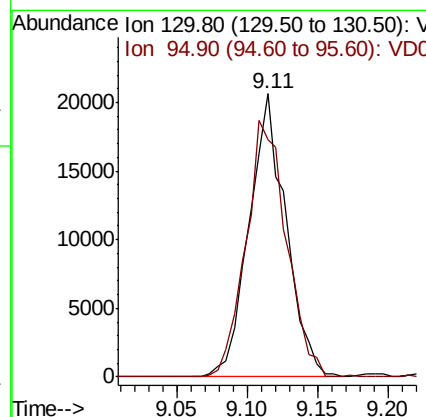
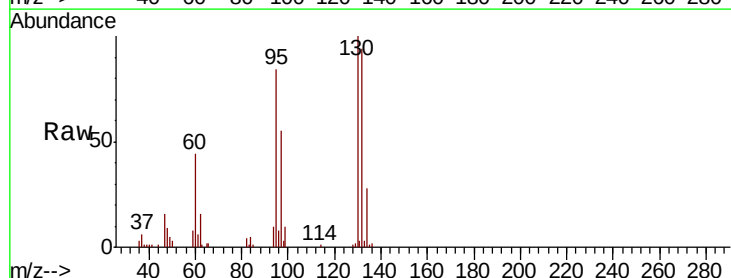
Manual Integrations
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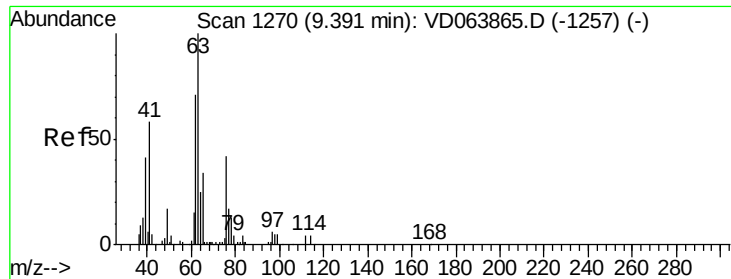
MMDadoda
10/25/2019 4:48:07 PM



#44
Trichloroethene
Concen: 21.597 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.0	0.0	175.6





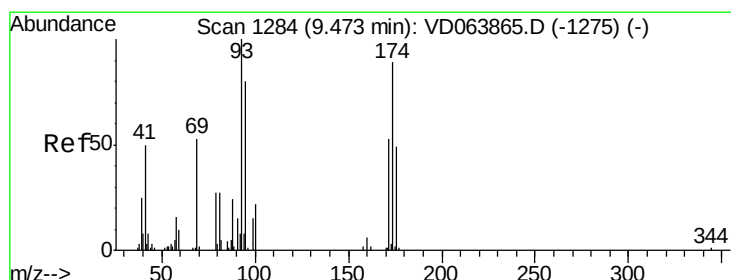
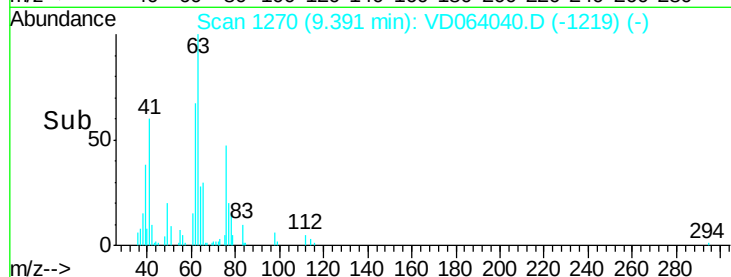
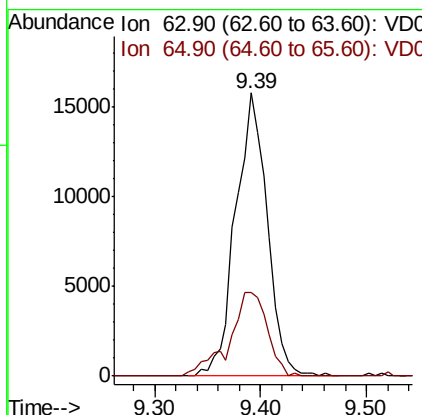
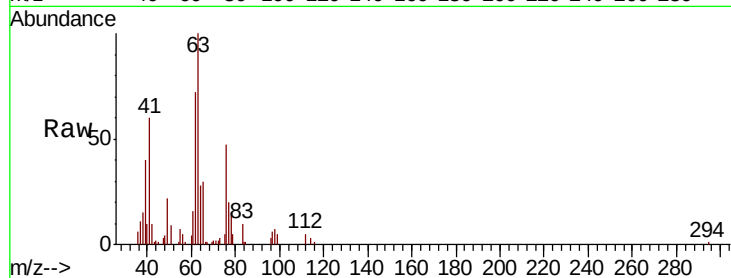
#45
 1,2-Dichloropropane
 Concen: 22.045 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion: 63 Resp: 32703
 Ion Ratio Lower Upper
 63 100
 65 29.6 27.3 40.9

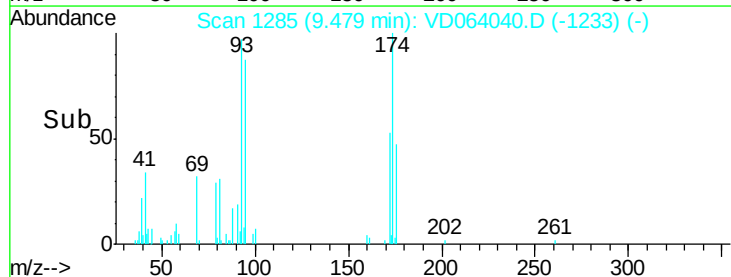
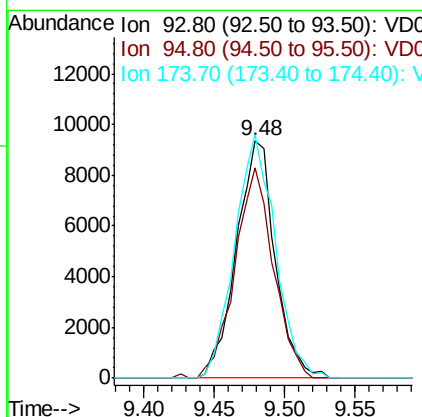
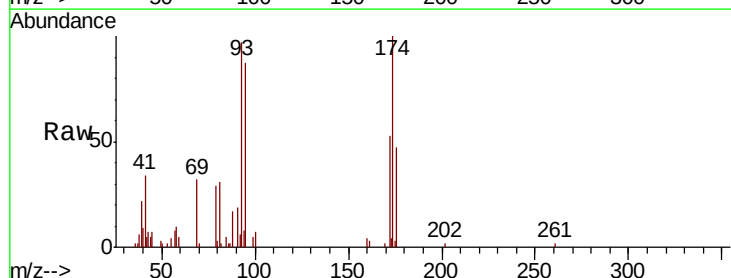
Manual Integrations
 APPROVED

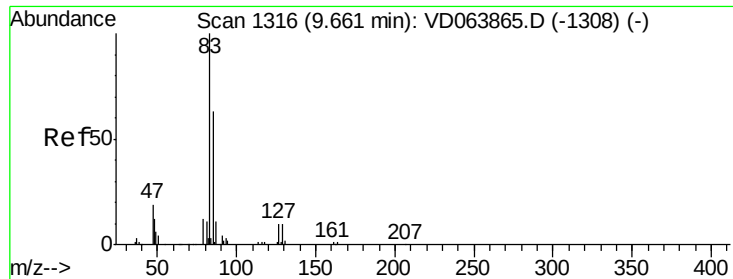
MMDadoda
 10/25/2019 4:48:07 PM



#46
 Dibromomethane
 Concen: 21.298 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion: 93 Resp: 17994
 Ion Ratio Lower Upper
 93 100
 95 87.6 66.0 99.0
 174 107.1 83.4 125.0





#47

Bromodichloromethane

Concen: 21.817 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

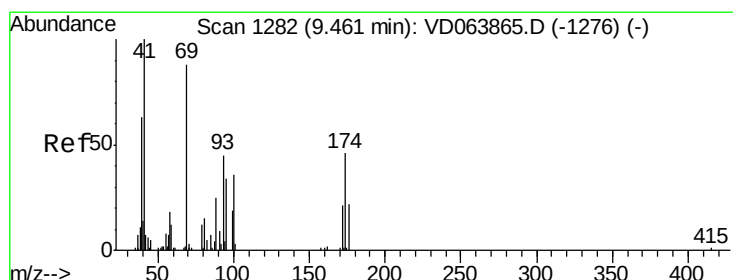
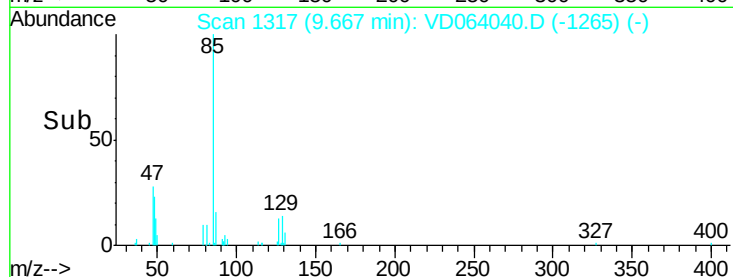
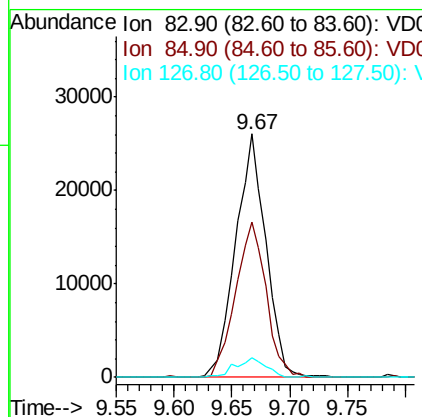
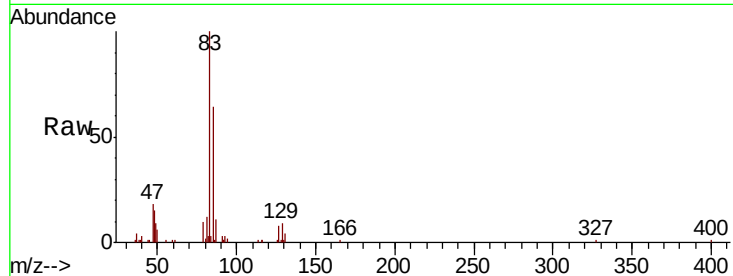
ClientSampleId :

VD1024SBS01

Tot Ion:	83	Resp:	47456
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.2	75.2
127	8.0	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.474 ug/l

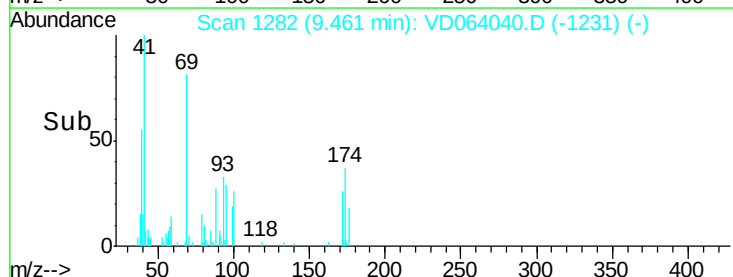
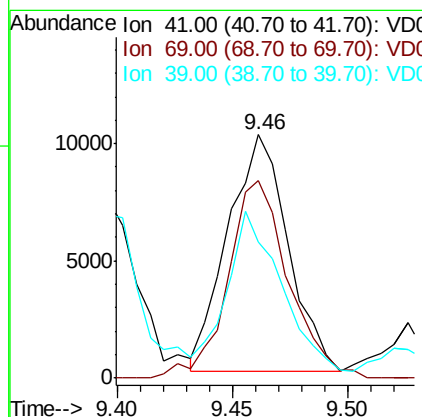
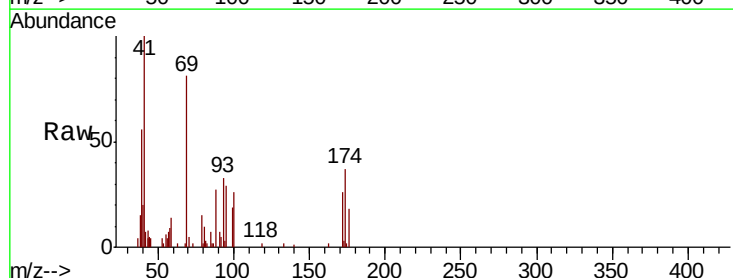
RT: 9.46 min Scan# 1282

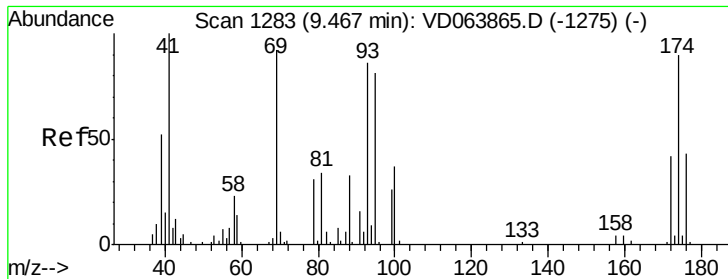
Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Tgt Ion:	41	Resp:	18249
Ion	Ratio	Lower	Upper
41	100		
69	84.6	75.1	112.7
39	60.4	50.2	75.2





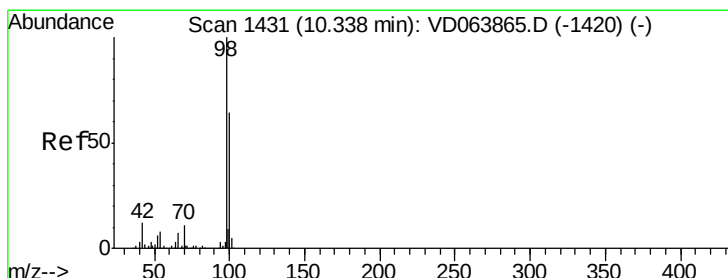
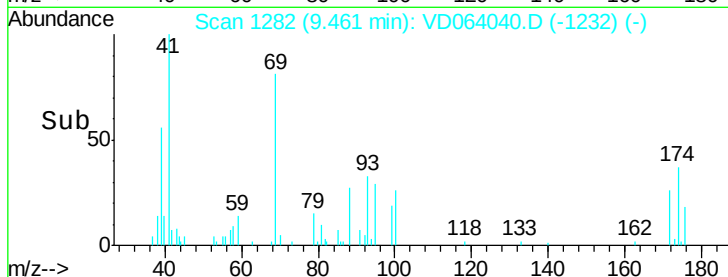
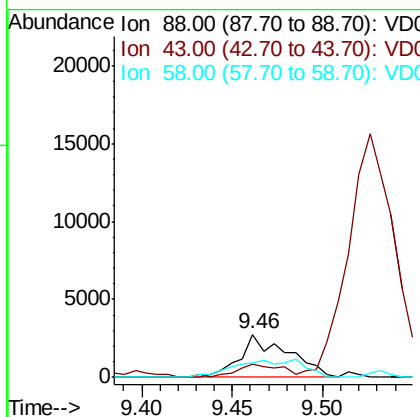
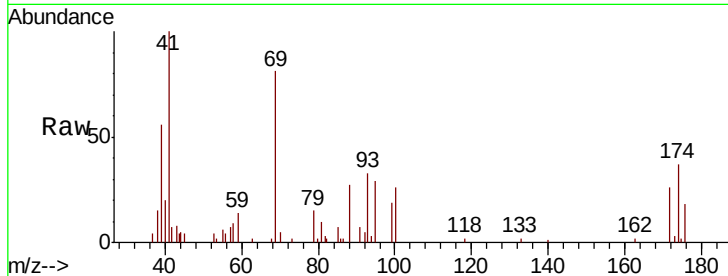
#49
1,4-Dioxane
Concen: 439.984 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	27.6	41.4
58	36.1	54.1	81.1#

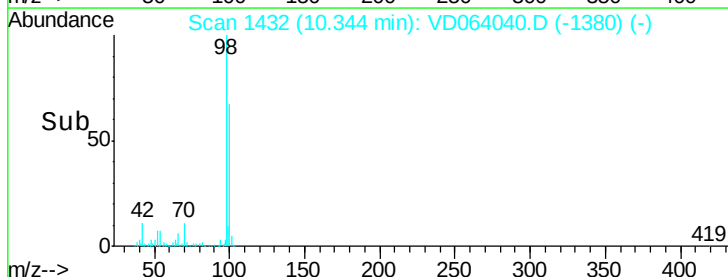
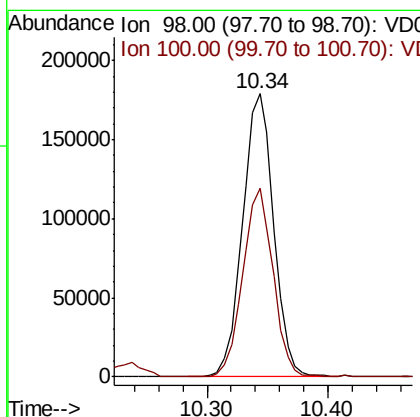
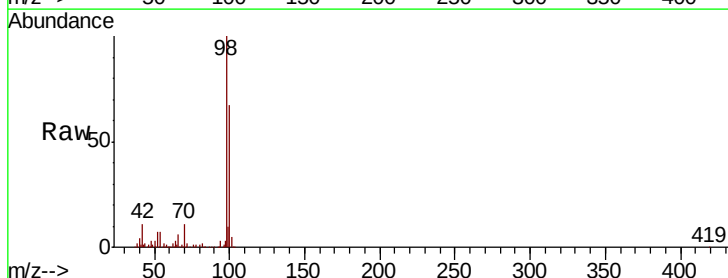
Manual Integrations
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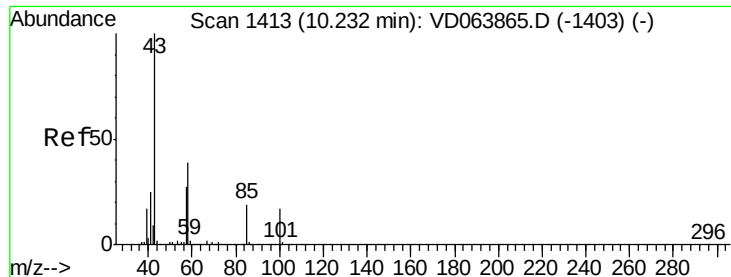
MMDadoda
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#50
Toluene-d8
Concen: 56.040 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1





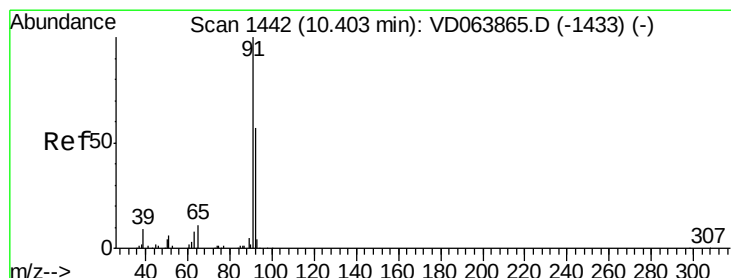
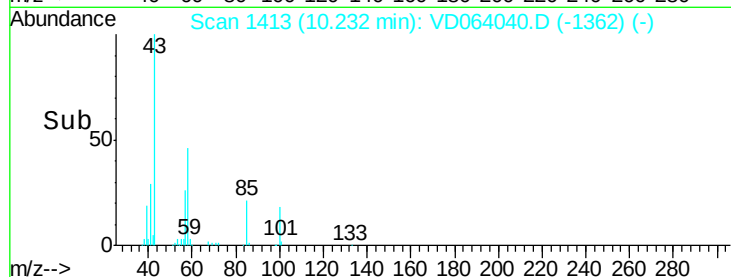
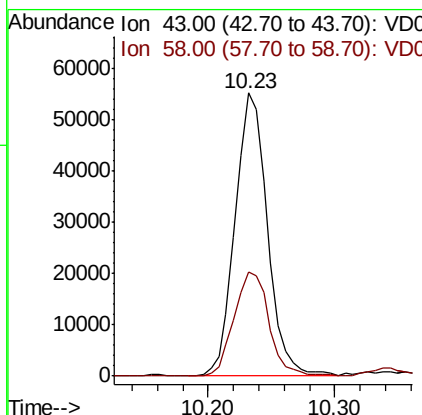
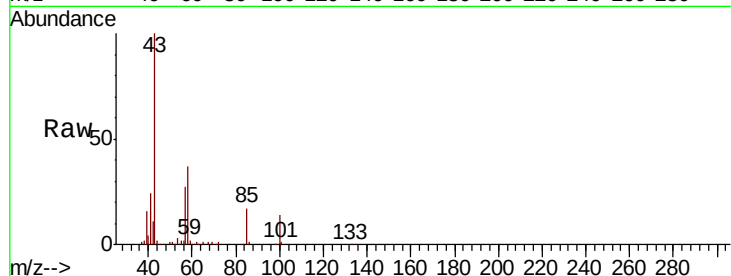
#51
4-Methyl-2-Pentanone
Concen: 106.211 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	43	Resp	97700
Ion Ratio	100	Lower	Upper
58	39.9	33.0	49.4

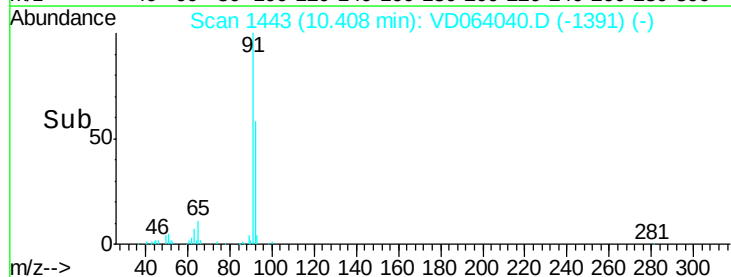
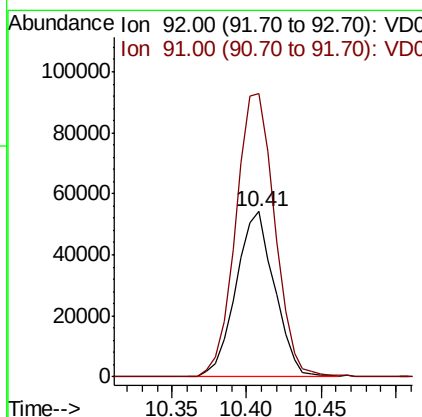
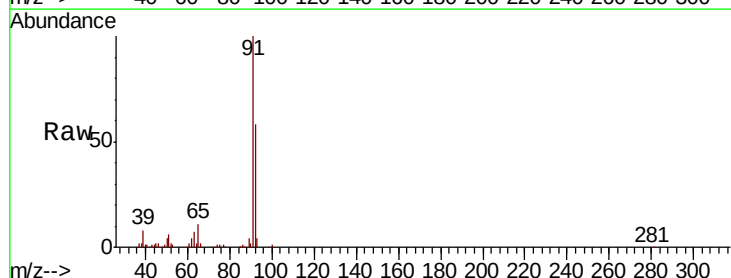
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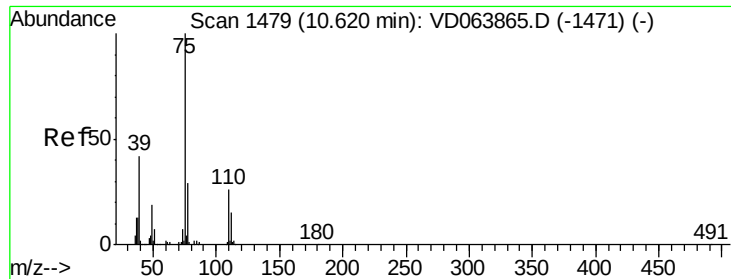
MMDadoda
10/25/2019 4:48:07 PM



#52
Toluene
Concen: 23.505 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	92	Resp	97794
Ion Ratio	100	Lower	Upper
91	172.5	139.5	209.3





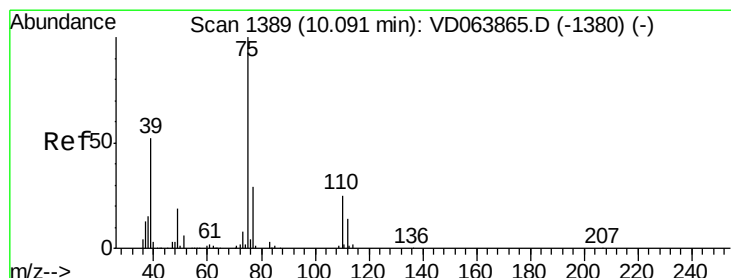
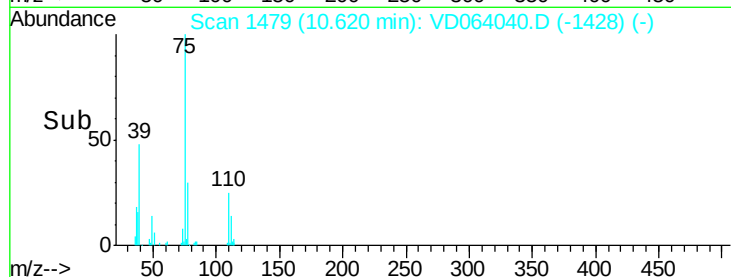
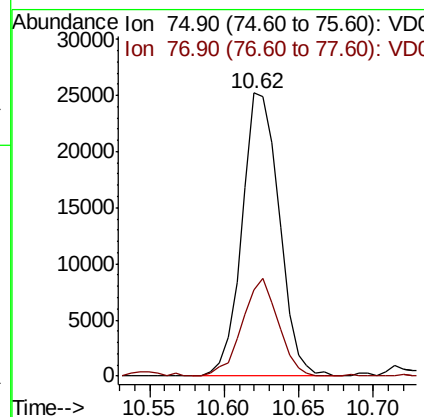
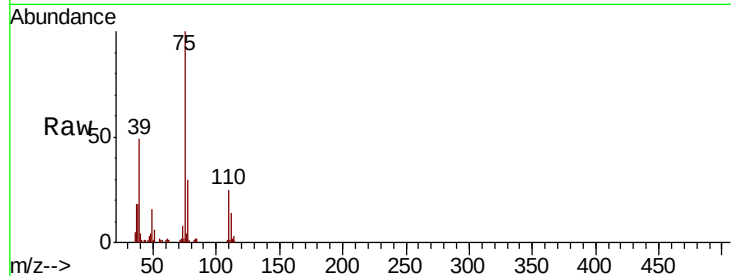
#53
t-1,3-Dichloropropene
Concen: 20.488 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	75	Resp	43488
Ion Ratio	Lower	Upper	
75	100		
77	30.4	22.8	34.2

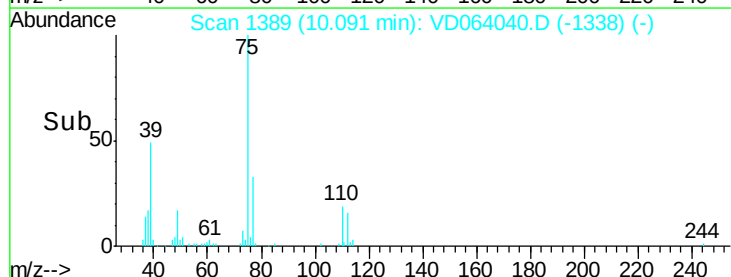
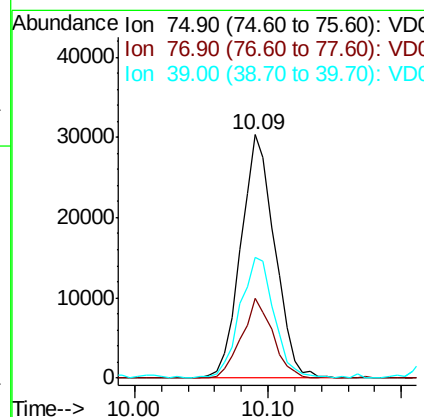
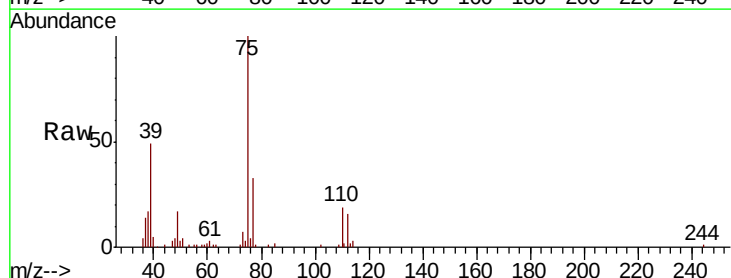
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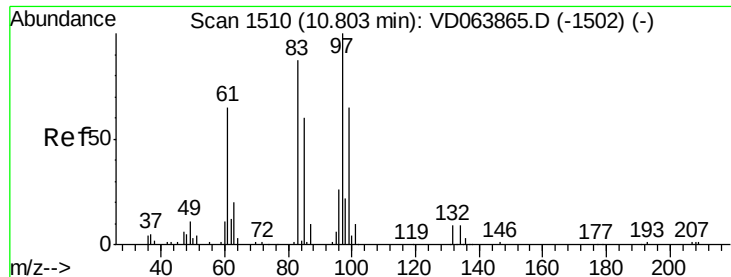
MMDadoda
10/25/2019 4:48:07 PM



#54
cis-1,3-Dichloropropene
Concen: 21.731 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	75	Resp	53096
Ion Ratio	Lower	Upper	
75	100		
77	32.5	23.2	34.8
39	49.4	41.5	62.3





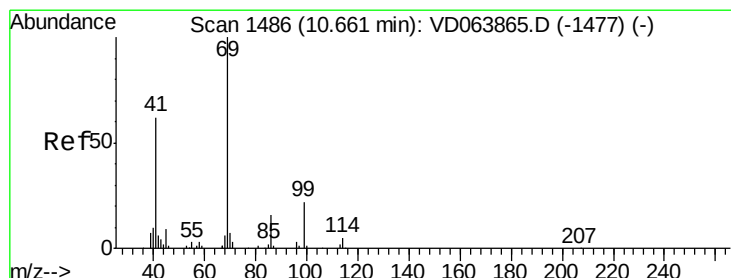
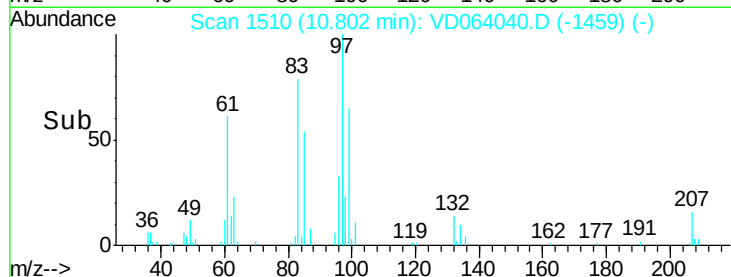
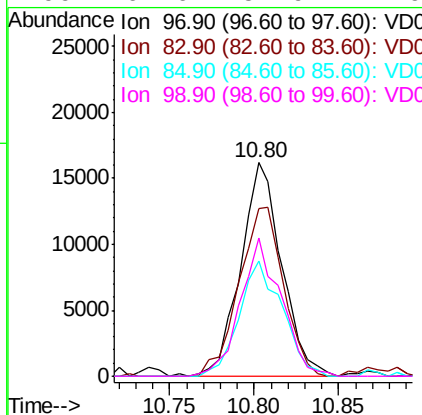
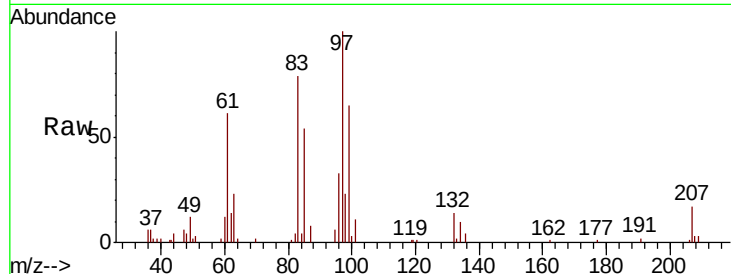
#55
 1,1,2-Trichloroethane
 Concen: 23.018 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	78.6	69.7	104.5
85	54.0	48.1	72.1
99	64.6	51.9	77.9

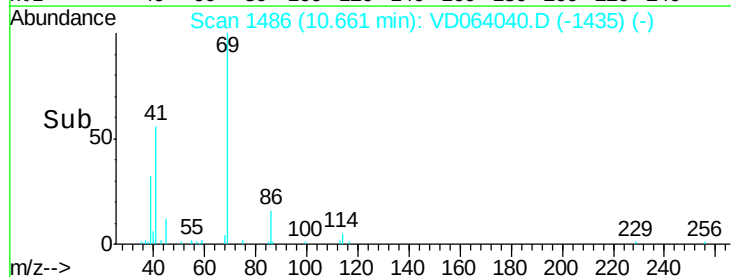
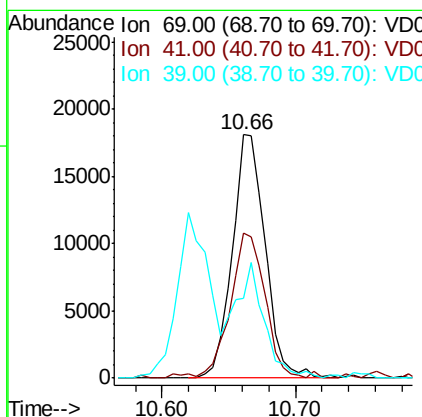
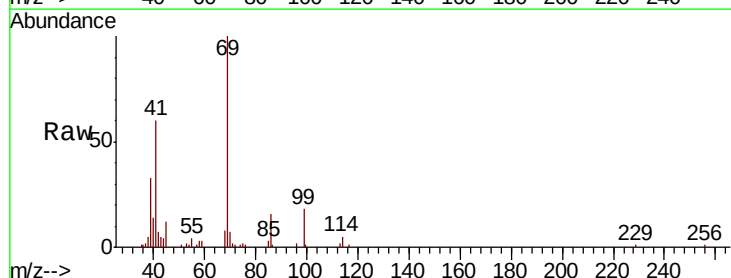
Manual Integrations
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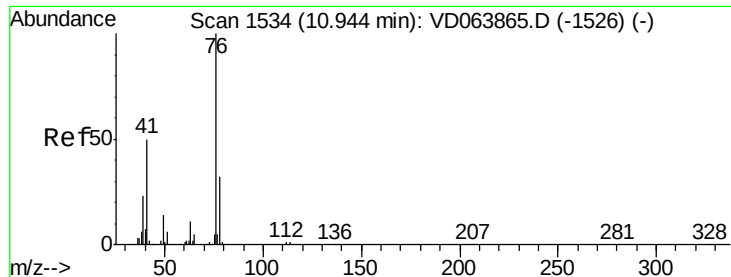
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#56
 Ethyl methacrylate
 Concen: 20.478 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.3	76.9
39	43.0	28.0	42.0#





#57

1,3-Dichloropropane

Concen: 21.788 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 76 Resp: 44470

Ion Ratio Lower Upper

76 100

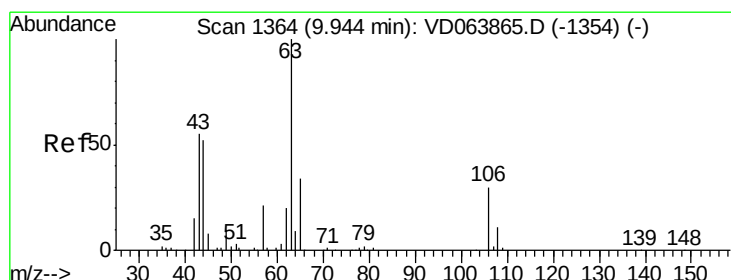
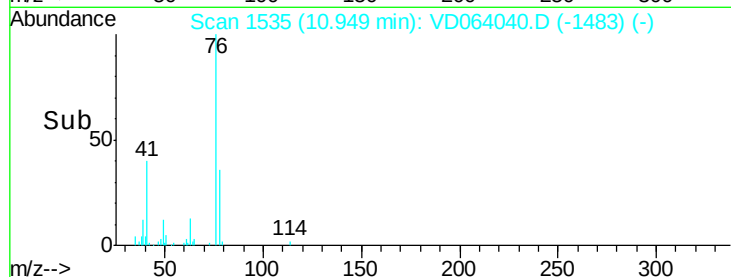
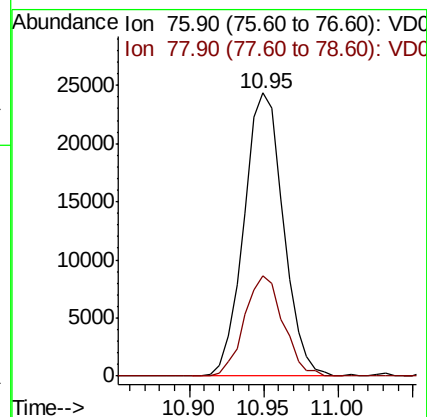
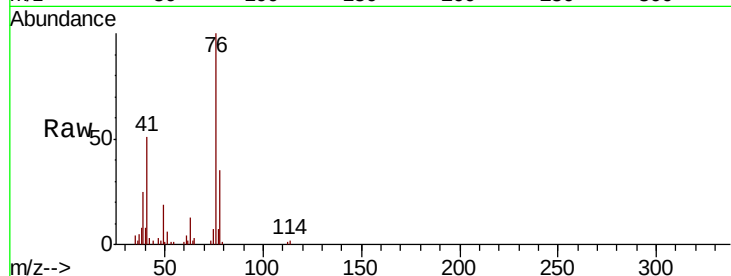
78 34.7 26.6 40.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 103.060 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064040.D

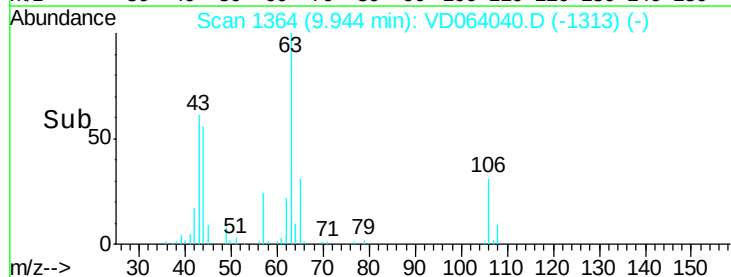
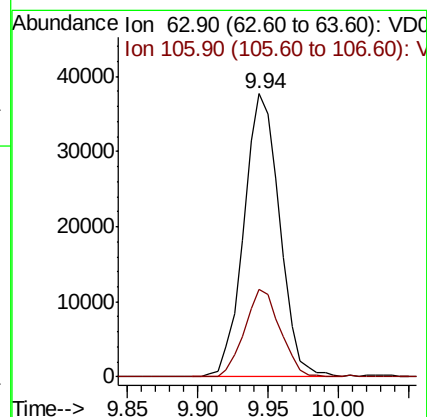
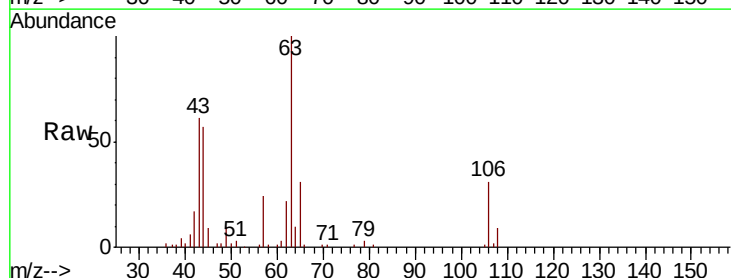
Acq: 24 Oct 2019 12:05

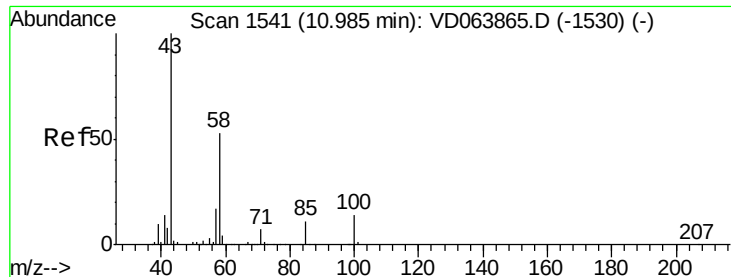
Tgt Ion: 63 Resp: 66920

Ion Ratio Lower Upper

63 100

106 30.7 24.3 36.5





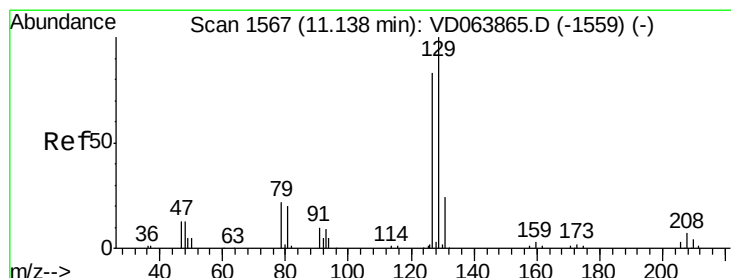
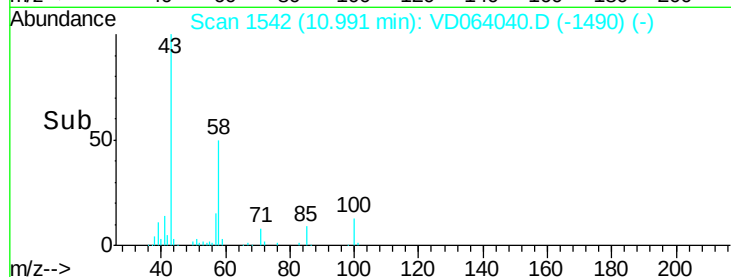
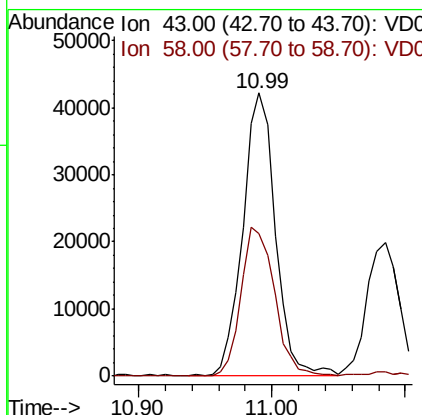
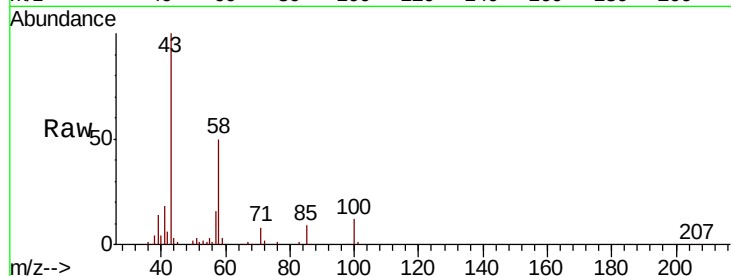
#59
2-Hexanone
Concen: 106.896 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion: 43 Resp: 71129
Ion Ratio Lower Upper
43 100
58 54.2 27.7 83.0

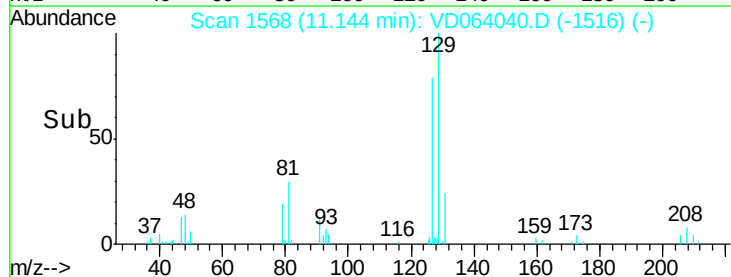
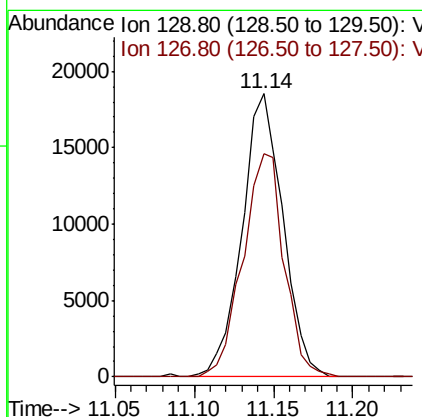
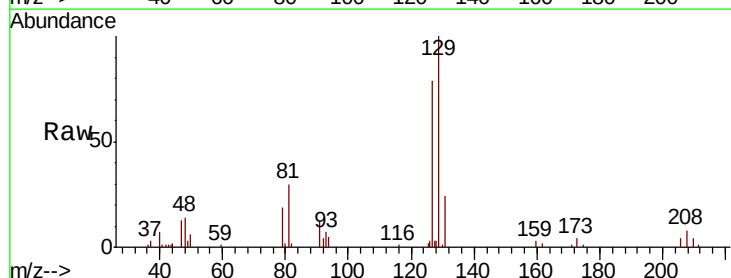
Manual Integrations
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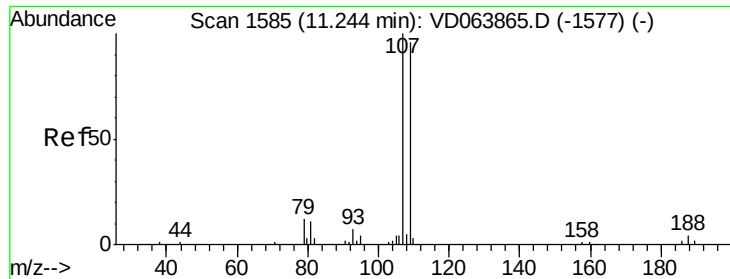
MMDadoda
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#60
Dibromochloromethane
Concen: 21.438 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion: 129 Resp: 33294
Ion Ratio Lower Upper
129 100
127 79.2 39.9 119.6





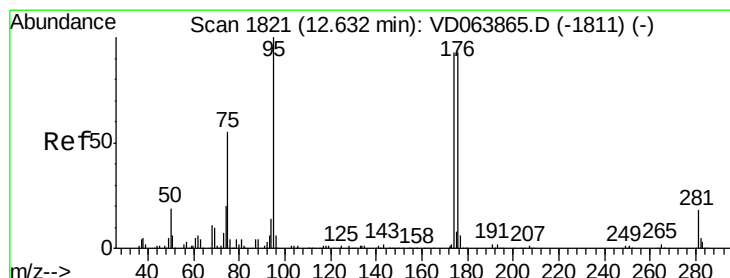
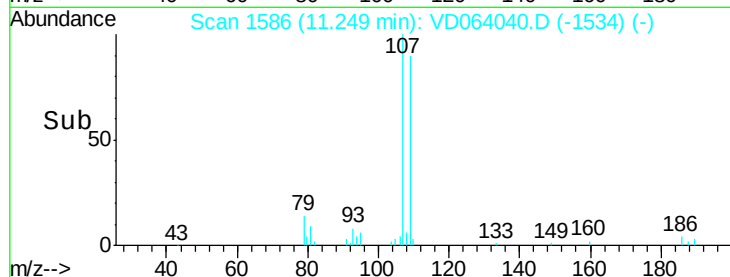
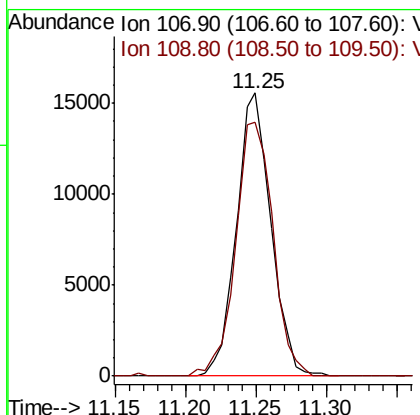
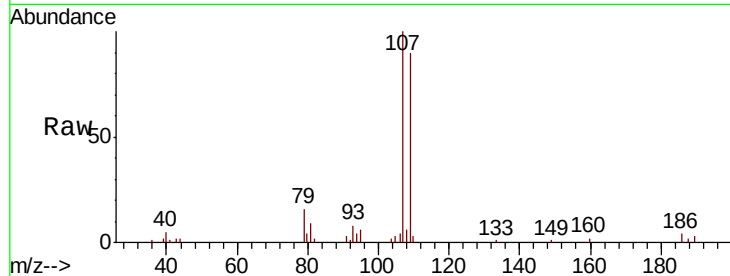
#61
 1,2-Dibromoethane
 Concen: 23.023 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion: 107 Resp: 26626
 Ion Ratio Lower Upper
 107 100
 109 97.2 75.2 112.8

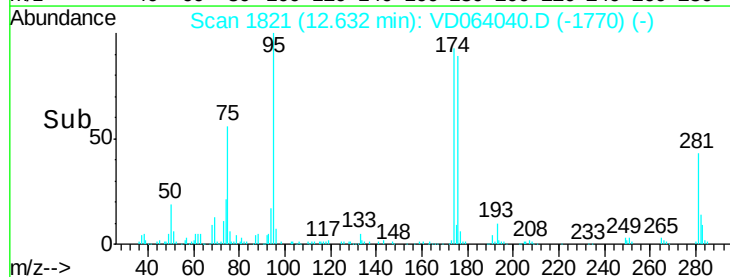
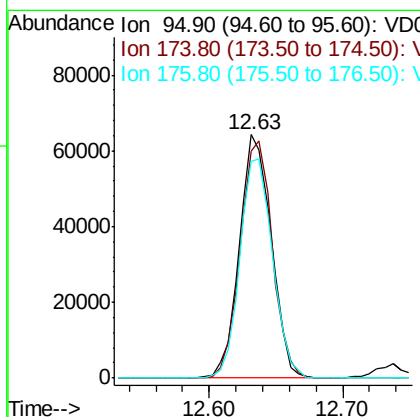
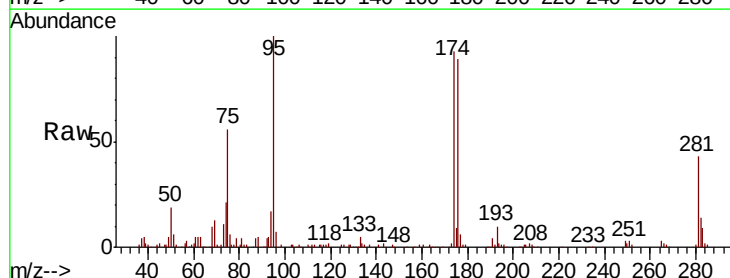
Manual Integrations
 APPROVED

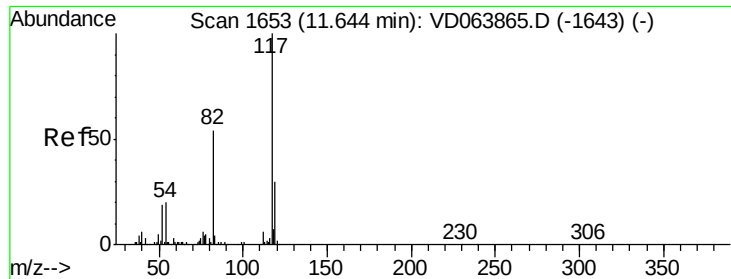
MMDadoda
 10/25/2019 4:48:07 PM



#62
 4-Bromofluorobenzene
 Concen: 53.173 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion: 95 Resp: 106018
 Ion Ratio Lower Upper
 95 100
 174 97.5 0.0 186.4
 176 92.3 0.0 184.2





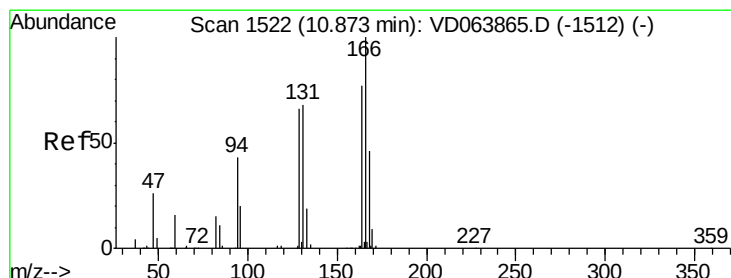
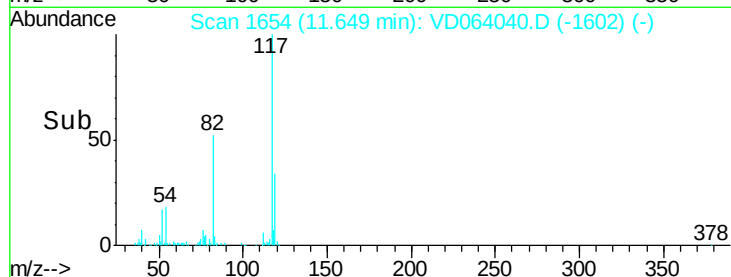
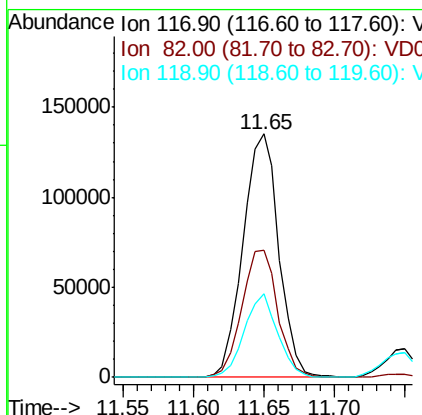
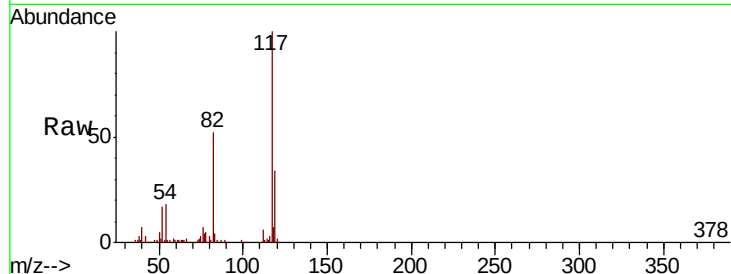
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.8	64.2
119	34.1	24.4	36.6

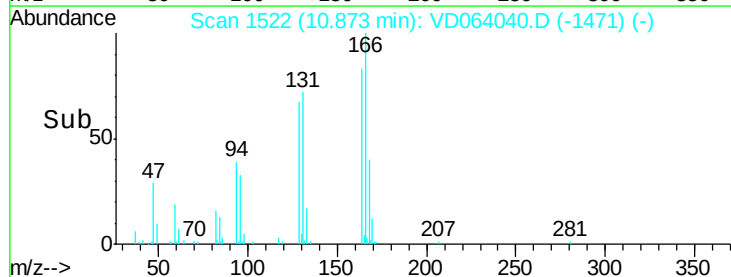
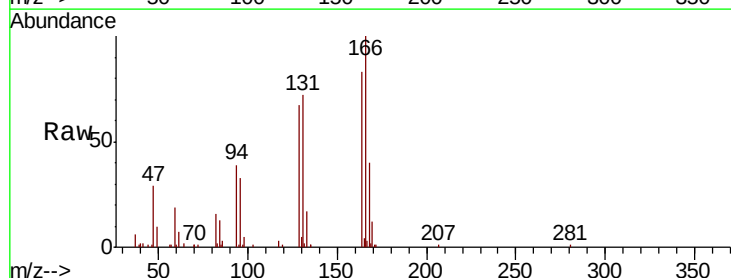
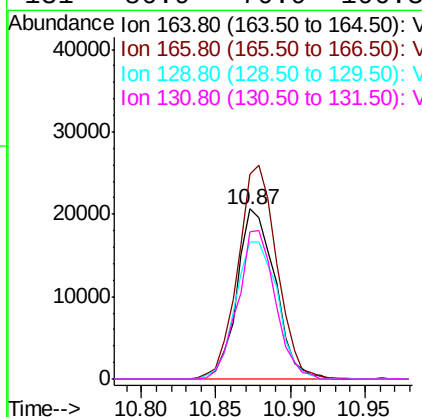
Manual Integrations
APPROVED

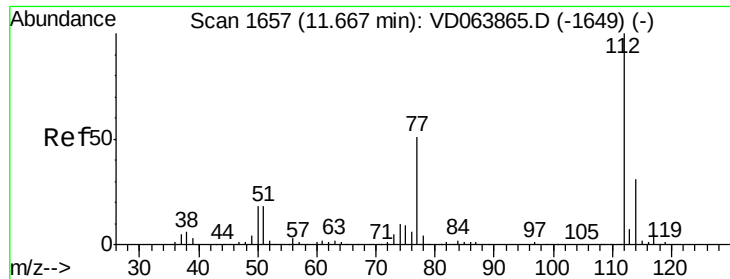
MMDadoda
10/25/2019 4:48:07 PM



#64
Tetrachloroethene
Concen: 22.294 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.1	103.8	155.6
129	80.7	68.9	103.3
131	86.9	70.9	106.3





#65

Chlorobenzene

Concen: 22.672 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion:112 Resp: 109251

Ion Ratio Lower Upper

112 100

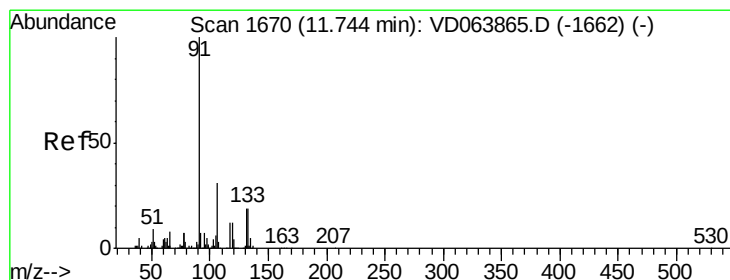
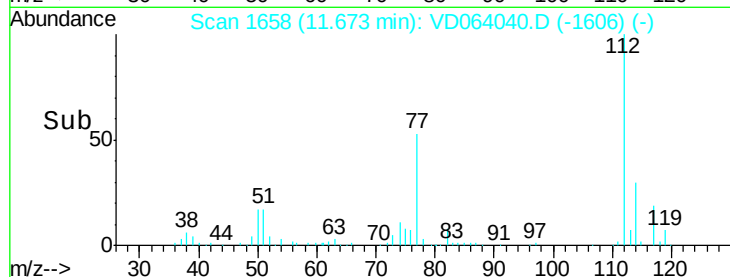
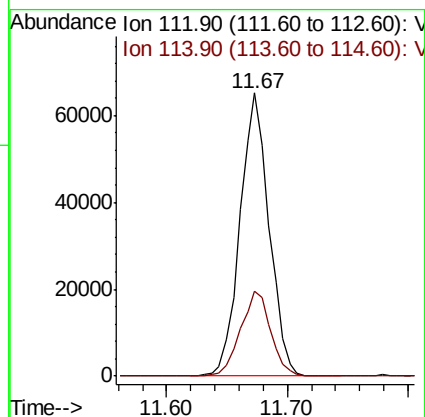
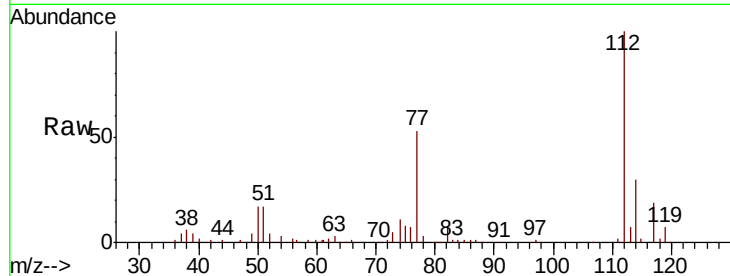
114 29.9 25.1 37.7

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.294 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

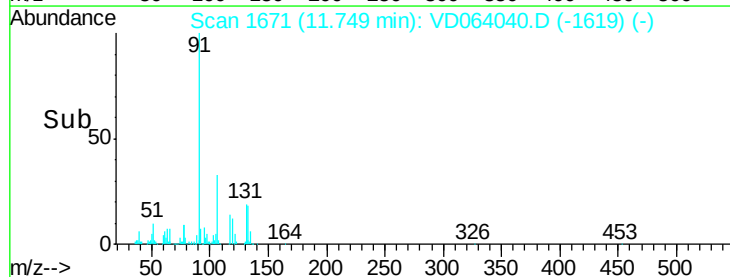
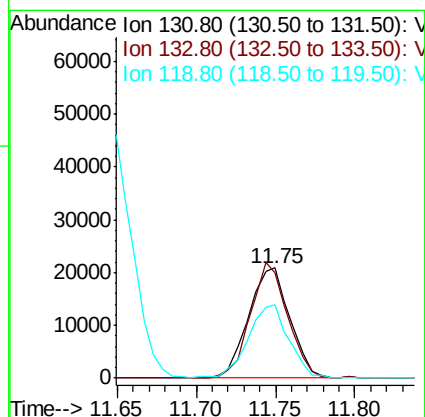
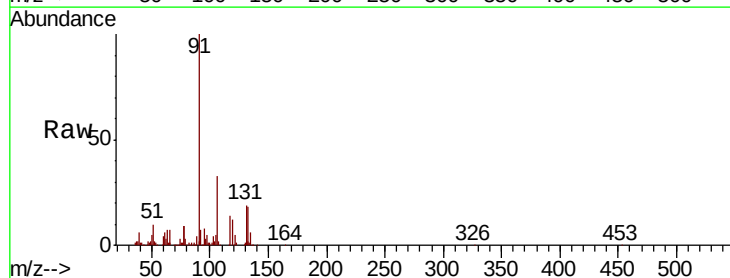
Tgt Ion:131 Resp: 37811

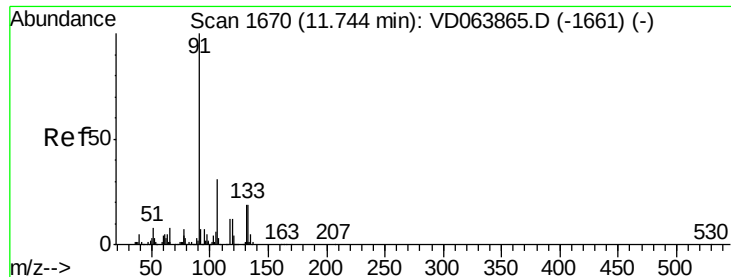
Ion Ratio Lower Upper

131 100

133 94.3 48.9 146.7

119 65.1 32.6 97.8





#67

Ethyl Benzene

Concen: 22.183 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 91 Resp: 192752

Ion Ratio Lower Upper

91 100

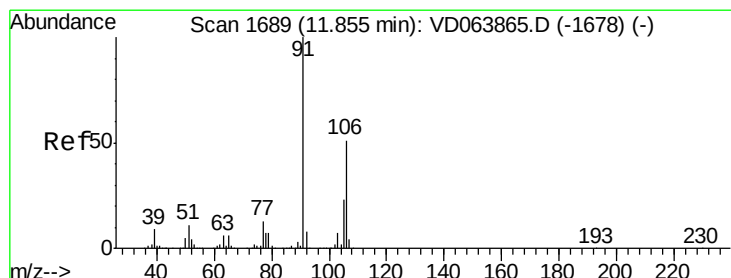
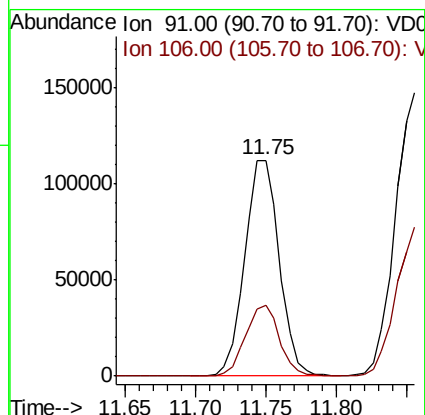
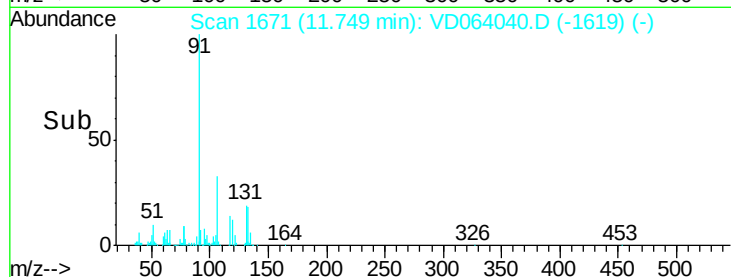
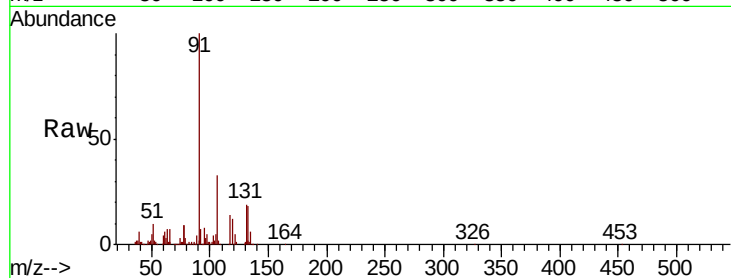
106 32.7 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 43.922 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064040.D

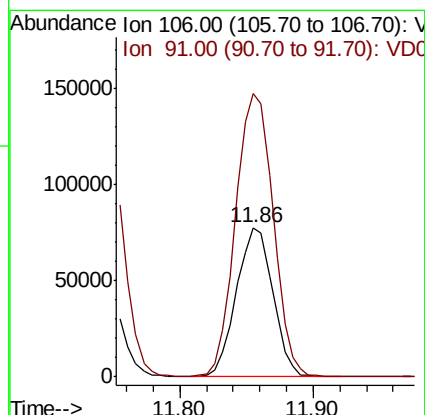
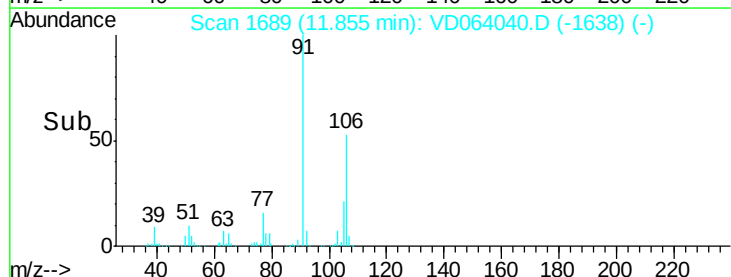
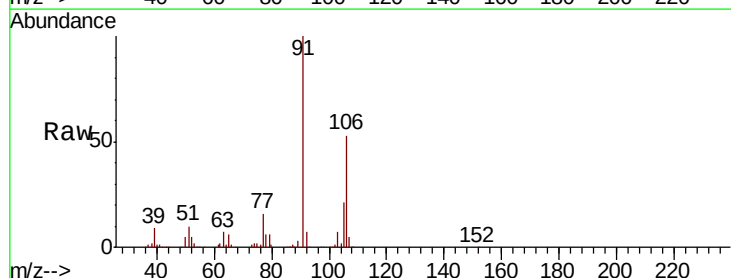
Acq: 24 Oct 2019 12:05

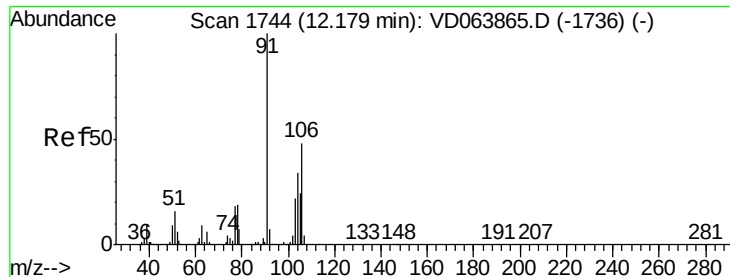
Tgt Ion: 106 Resp: 147310

Ion Ratio Lower Upper

106 100

91 196.0 154.8 232.2





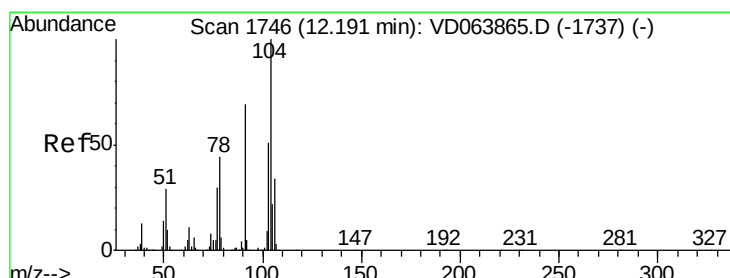
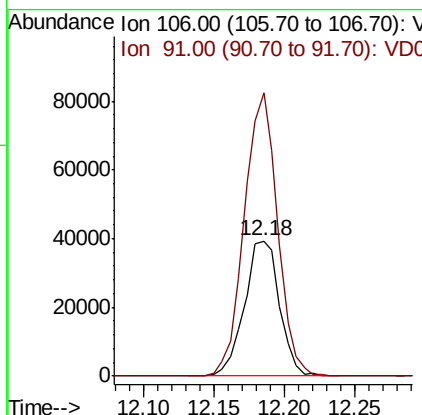
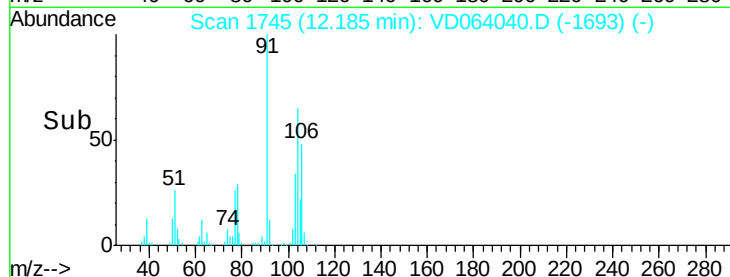
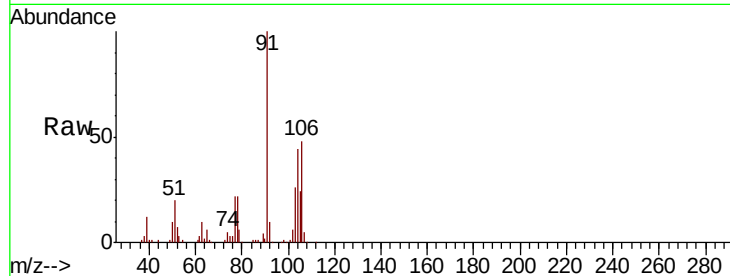
#69
o-Xylene
Concen: 21.421 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	197.9	103.9	311.7

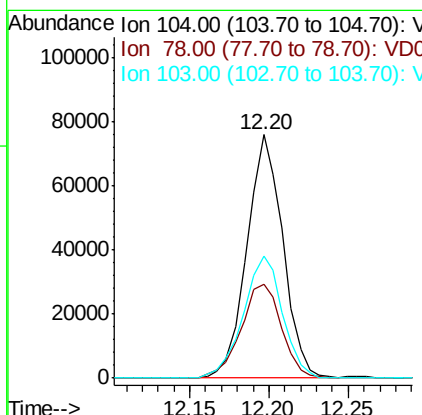
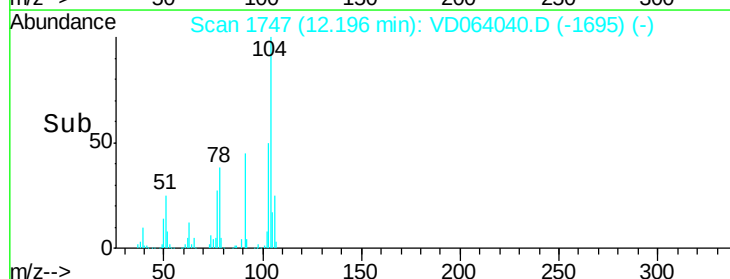
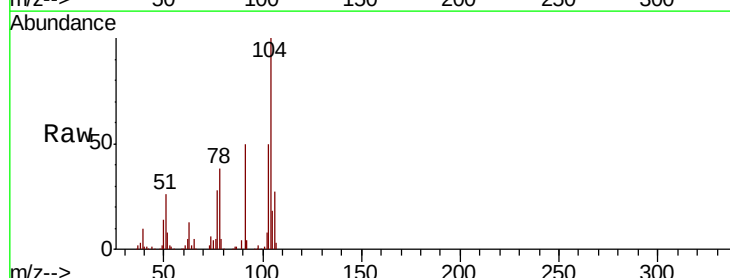
Manual Integrations
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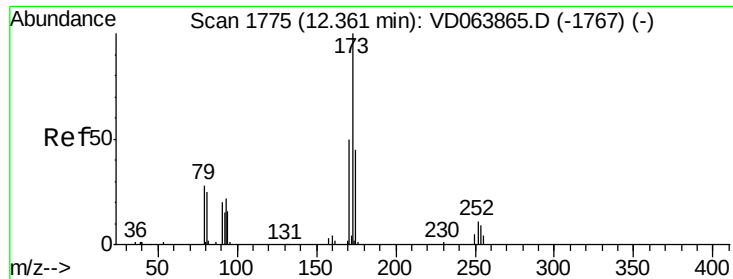
MMDadoda
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#70
Styrene
Concen: 22.053 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	43.6	37.0	55.4
103	103	54.6	44.2	66.4





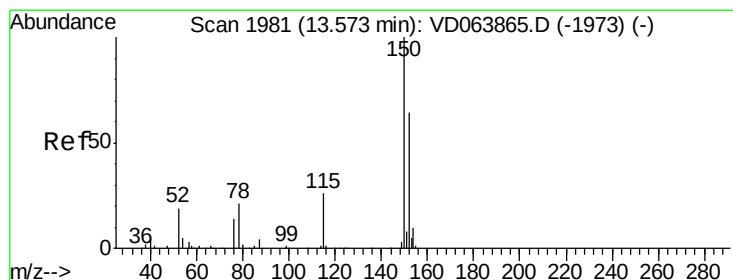
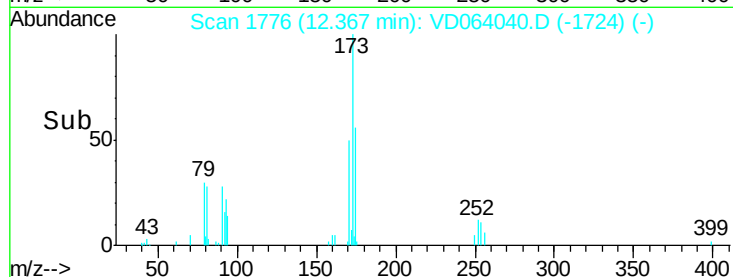
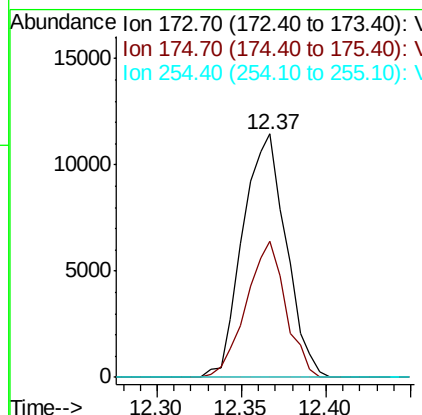
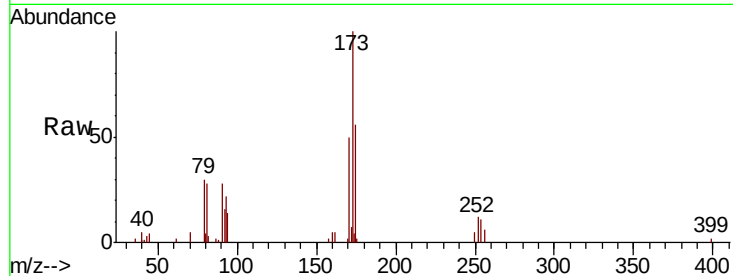
#71
Bromoform
Concen: 21.449 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.9	24.6	74.0
254	0.0	0.0	0.0

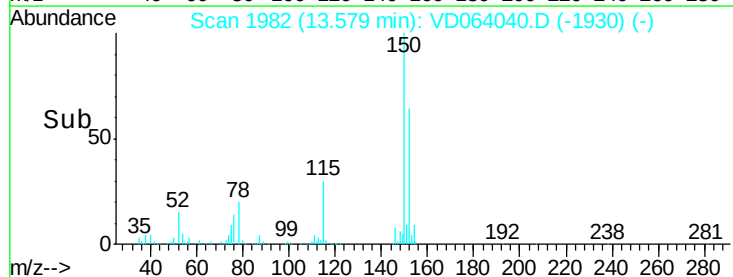
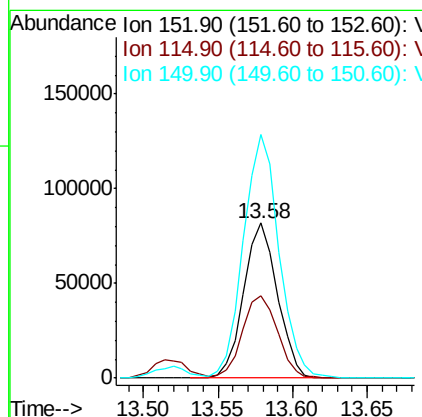
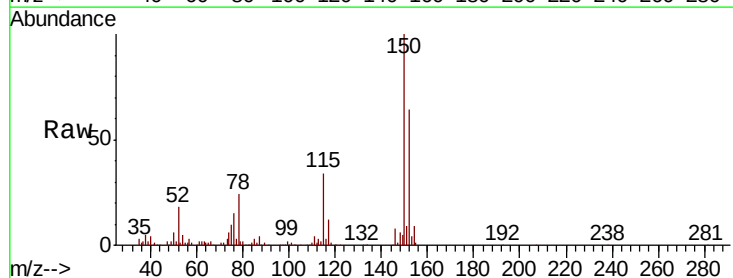
Manual Integrations
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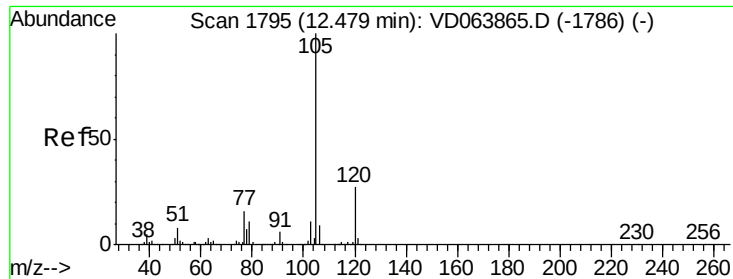
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	25.9	77.7
150	165.3	0.0	344.2





#73

Isopropylbenzene

Concen: 21.493 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 105 Resp: 185634

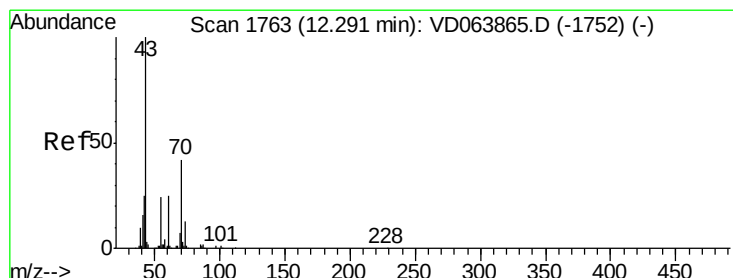
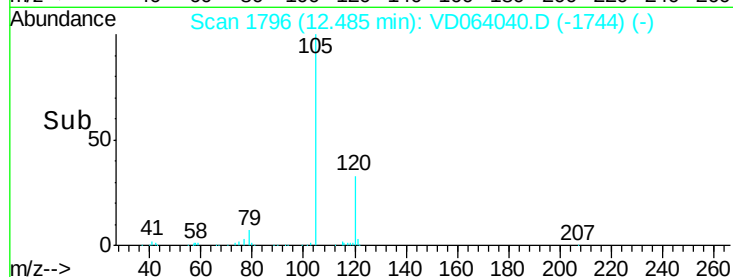
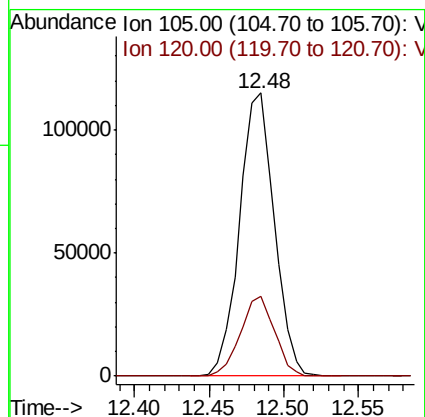
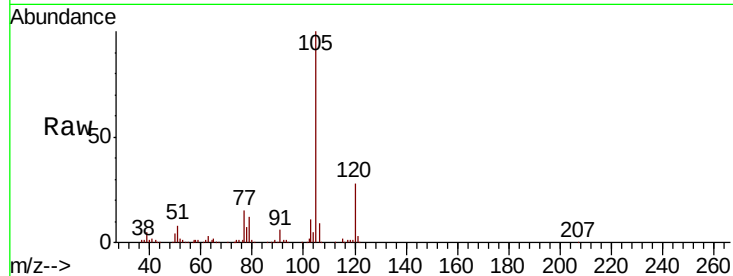
Ion Ratio Lower Upper

105 100

120 27.6 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.396 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Tgt Ion: 43 Resp: 36069

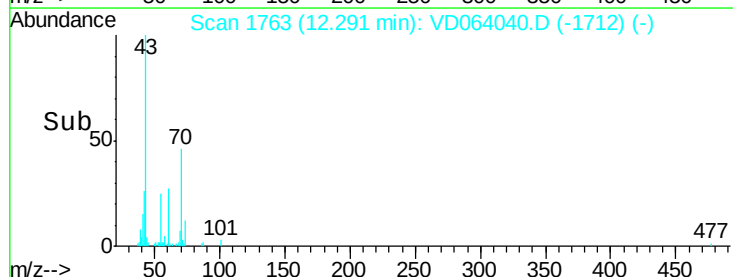
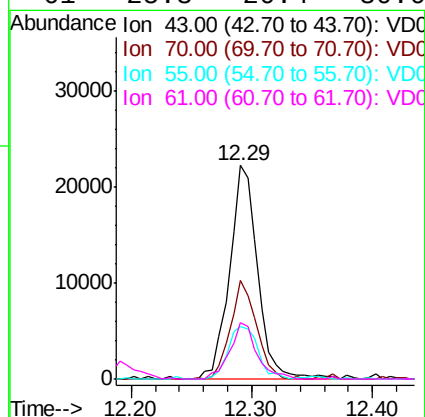
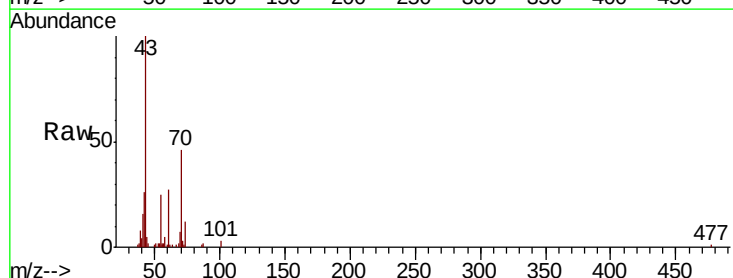
Ion Ratio Lower Upper

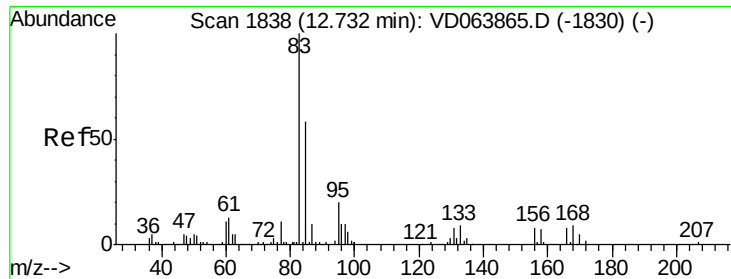
43 100

70 43.0 35.8 53.6

55 26.0 19.4 29.0

61 25.3 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.597 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 83 Resp: 30957
Ion Ratio Lower Upper

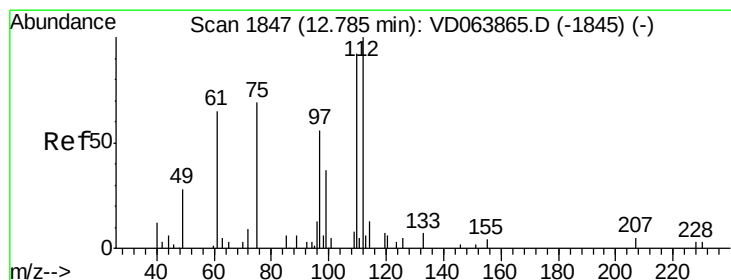
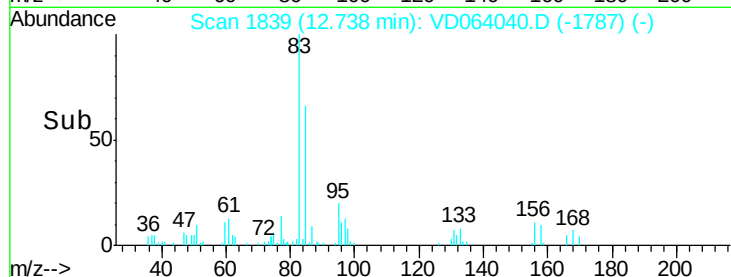
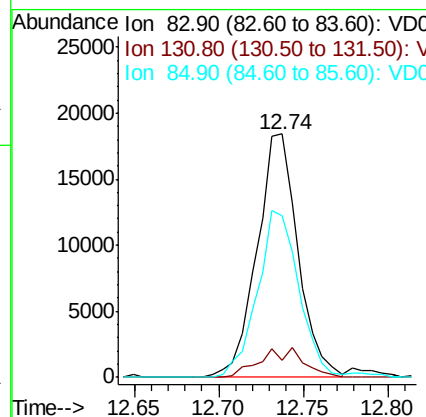
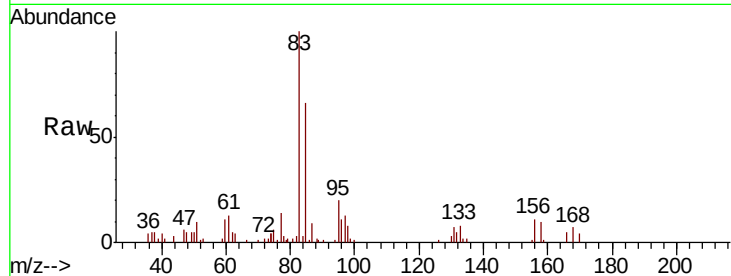
83 100

131 12.6 5.6 16.8

85 69.3 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.117 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

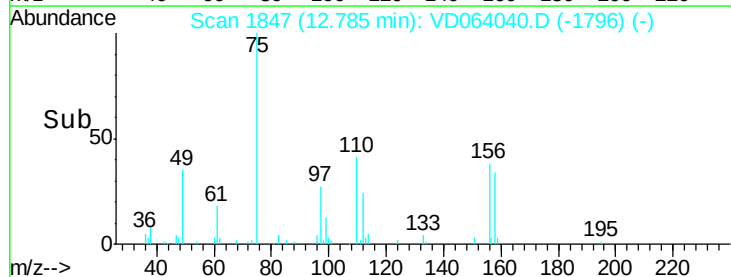
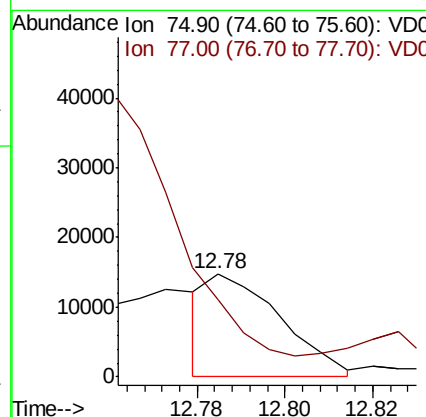
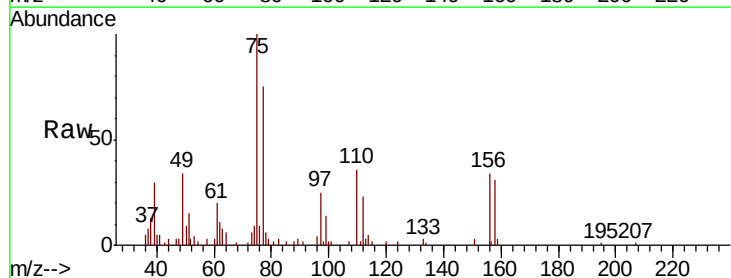
Lab File: VD064040.D

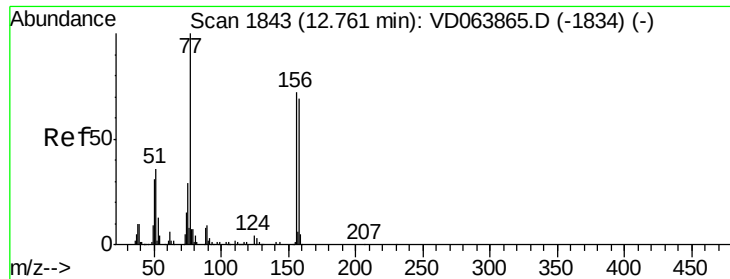
Acq: 24 Oct 2019 12:05

Tgt Ion: 75 Resp: 17311
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





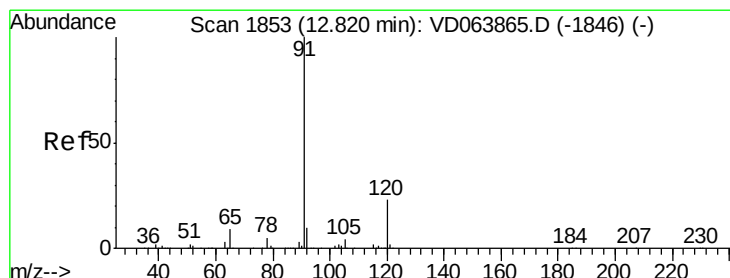
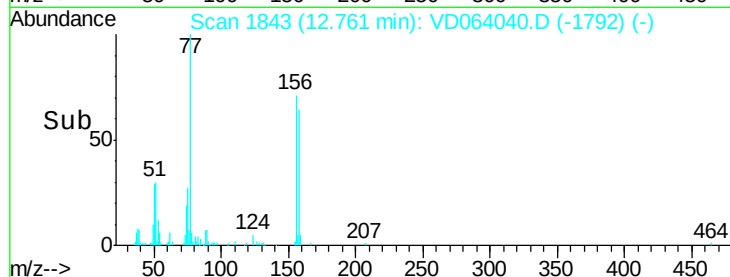
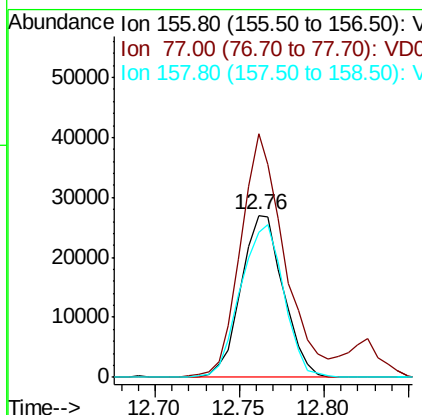
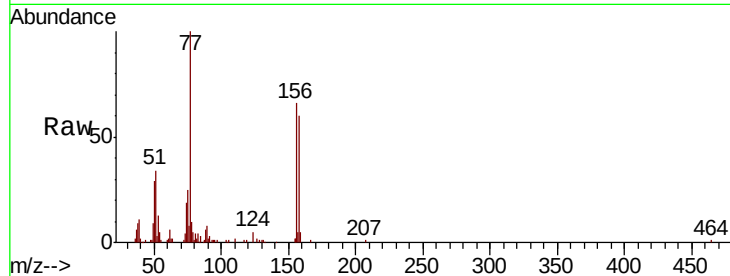
#77
Bromobenzene
Concen: 21.816 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.7	80.3	241.0
158	96.6	47.4	142.2

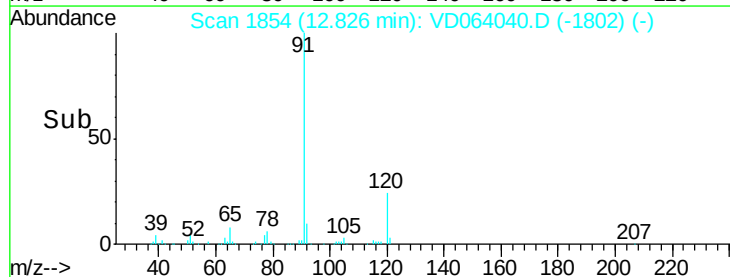
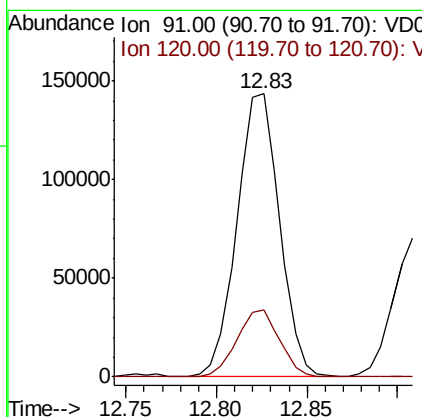
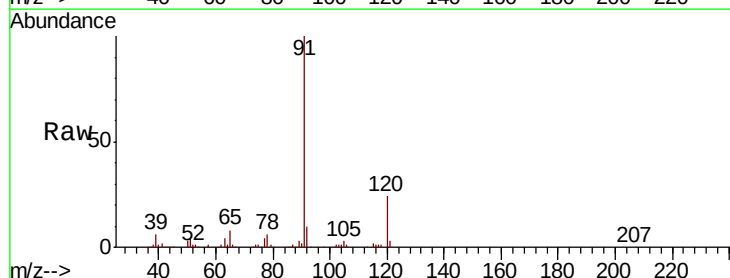
Manual Integrations
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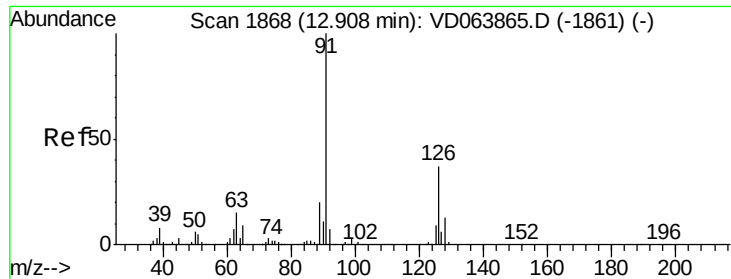
MMDadoda
10/25/2019 4:48:07 PM



#78
n-propylbenzene
Concen: 23.162 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	12.0	36.0





#79

2-Chlorotoluene

Concen: 22.031 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 91 Resp: 123157

Ion Ratio Lower Upper

91 100

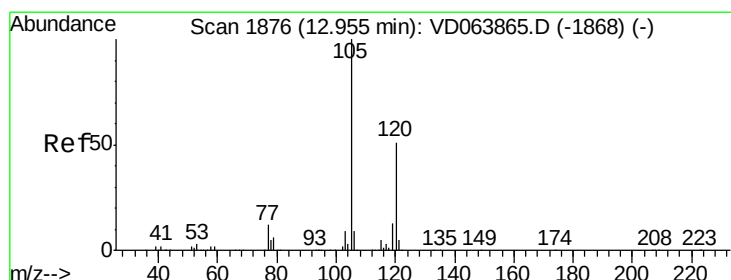
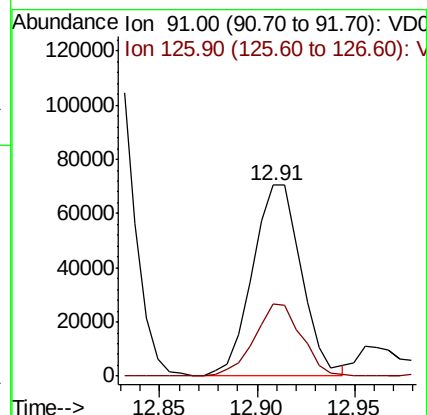
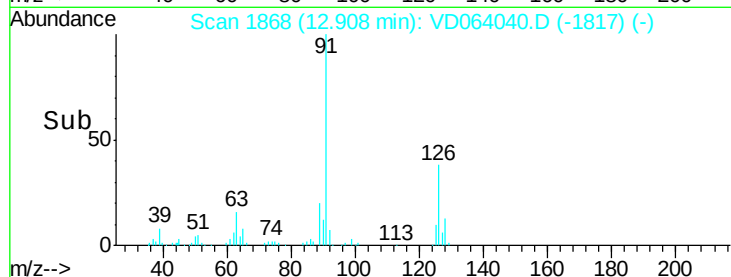
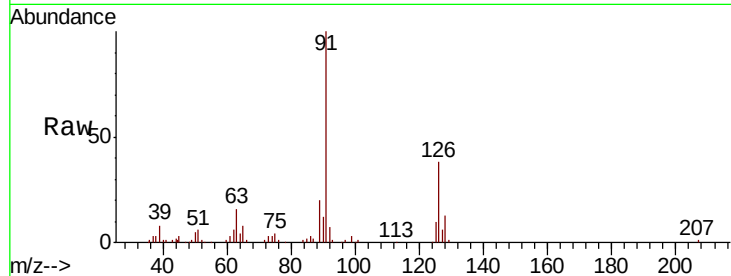
126 36.2 18.4 55.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.962 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD064040.D

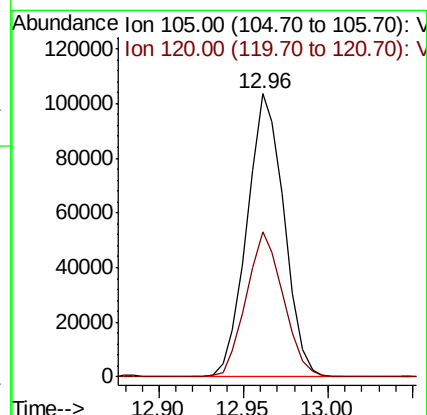
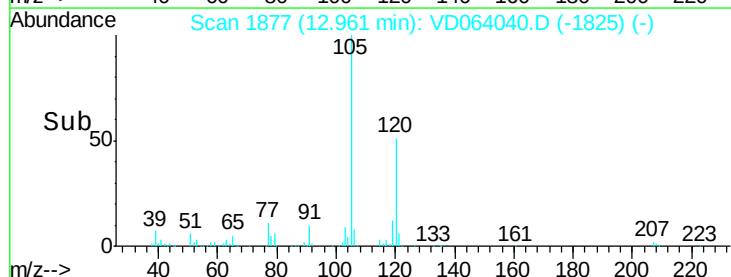
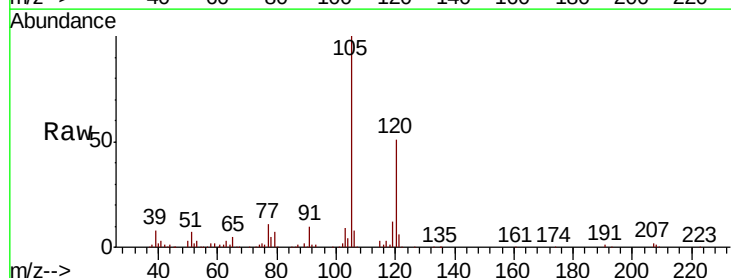
Acq: 24 Oct 2019 12:05

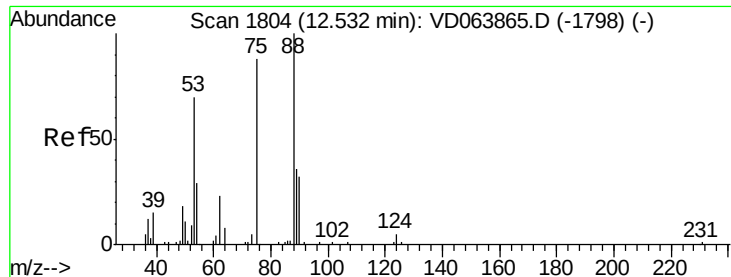
Tgt Ion:105 Resp: 158251

Ion Ratio Lower Upper

105 100

120 51.2 25.9 77.8





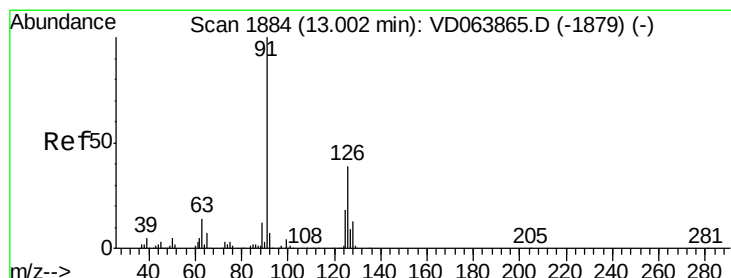
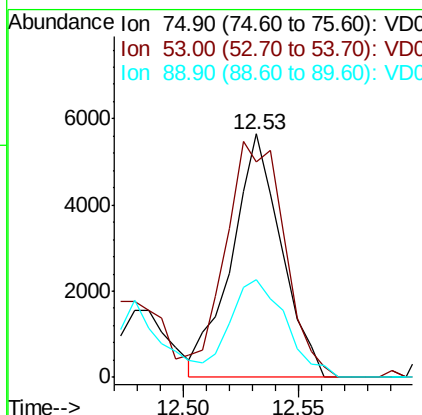
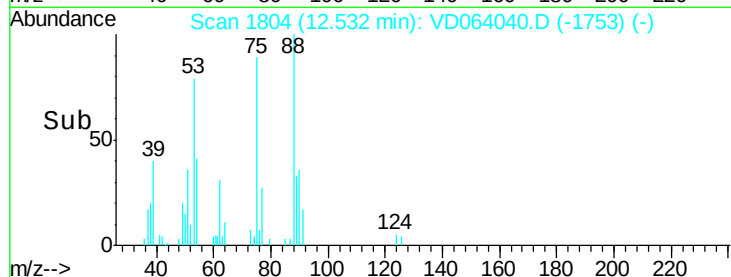
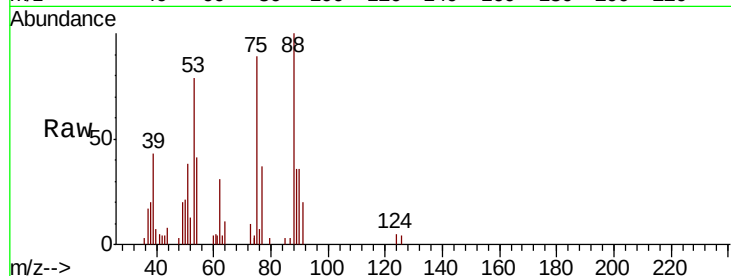
#81
trans-1,4-Dichloro-2-butene
Concen: 17.436 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion: 75 Resp: 8479
Ion Ratio Lower Upper
75 100
53 114.0 75.0 112.6#
89 45.0 38.2 57.4

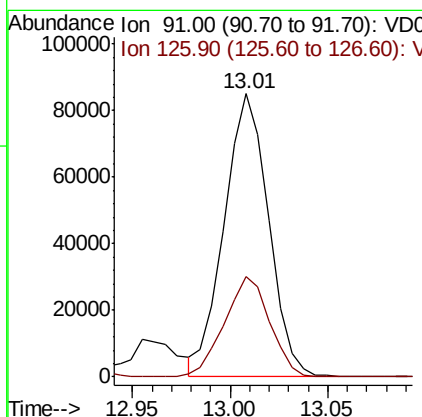
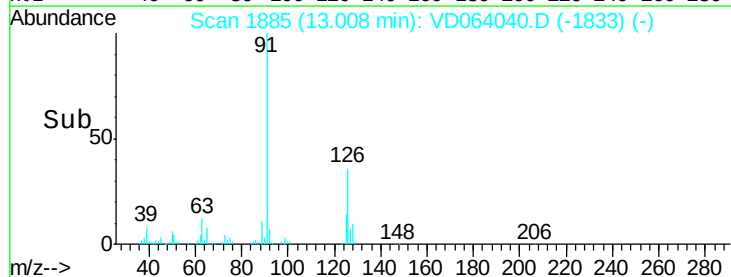
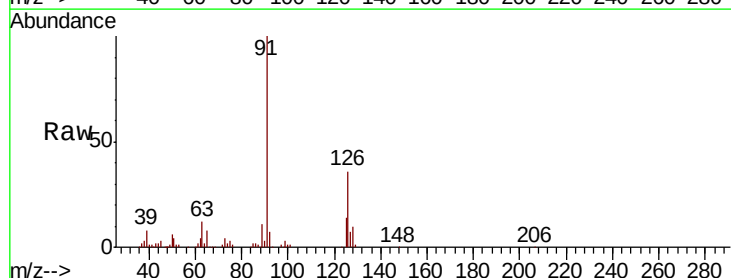
Manual Integrations
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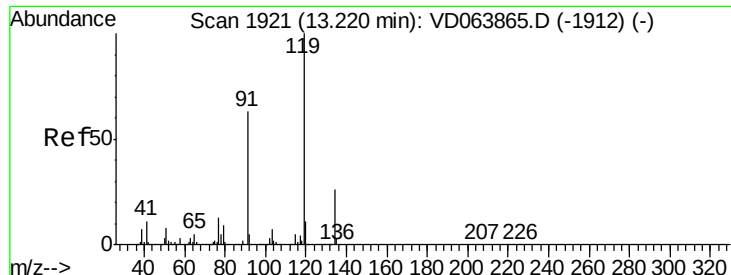
MMDadoda
10/25/2019 4:48:07 PM



#82
4-Chlorotoluene
Concen: 22.554 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion: 91 Resp: 133746
Ion Ratio Lower Upper
91 100
126 36.1 18.6 55.8





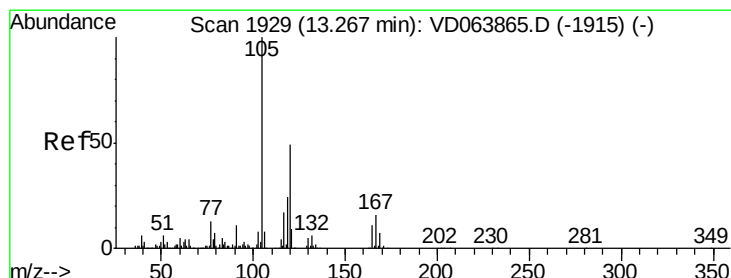
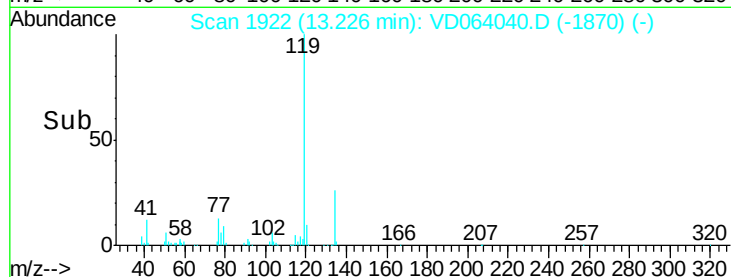
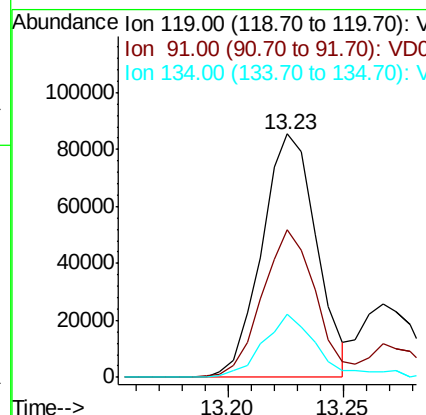
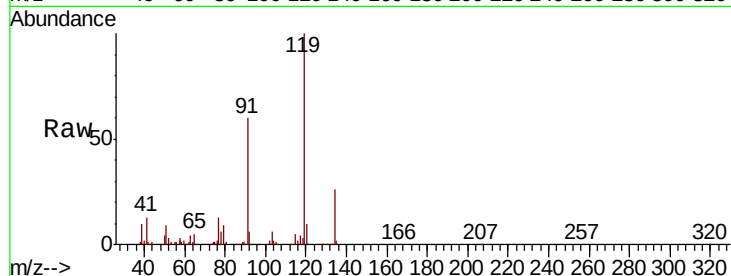
#83
tert-Butylbenzene
Concen: 21.953 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	140784		
91	59.4	30.0	90.0	
134	26.4	13.0	38.9	

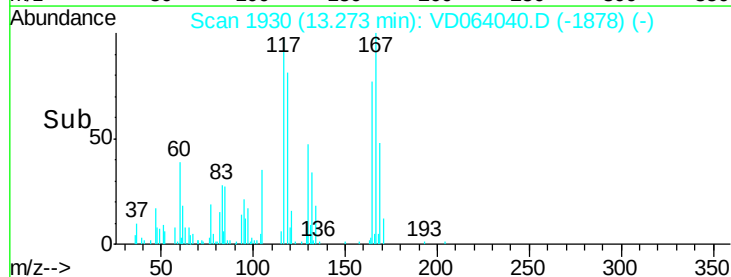
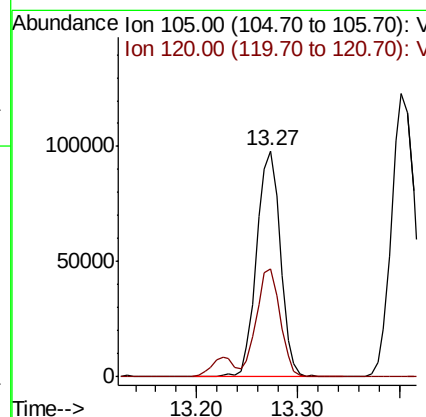
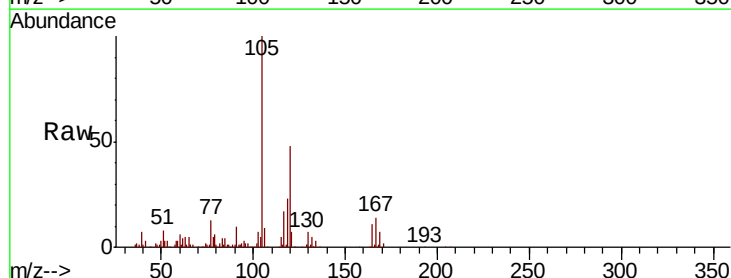
Manual Integrations
APPROVED

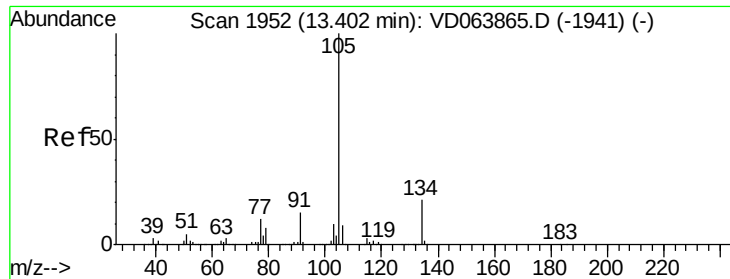
MMDadoda
10/25/2019 4:48:07 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.644 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	160783		
120	47.4	23.8	71.5	





#85

sec-Butylbenzene

Concen: 22.875 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion:105 Resp: 198109

Ion Ratio Lower Upper

105 100

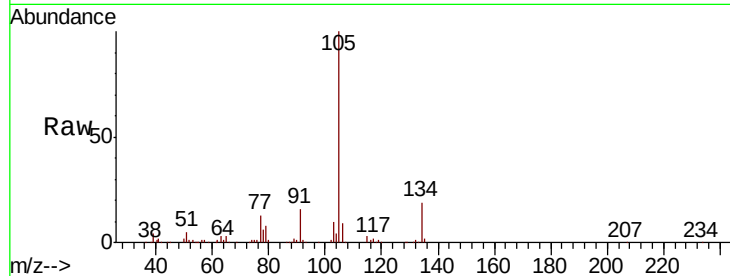
134 21.0 10.6 31.8

Manual Integrations

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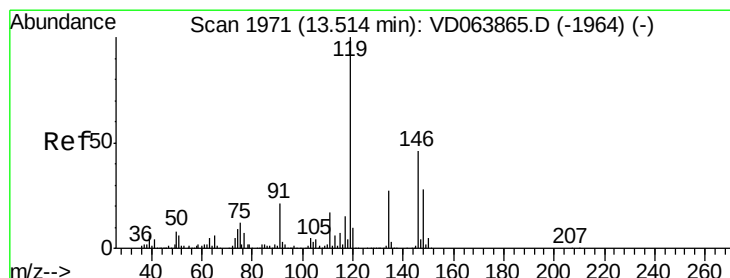
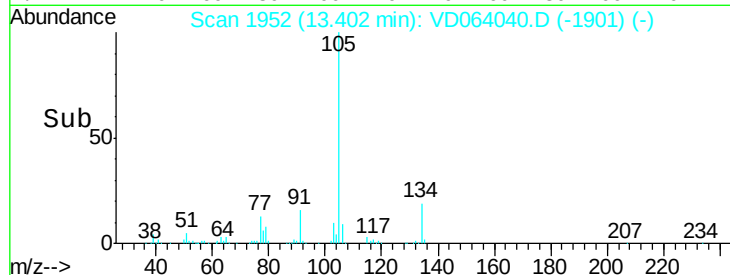
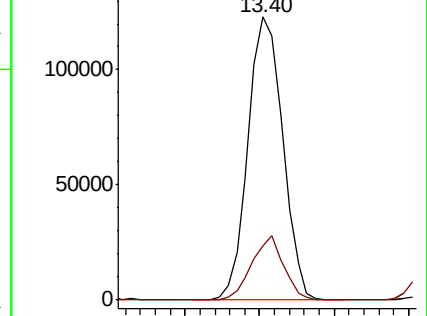
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.387 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

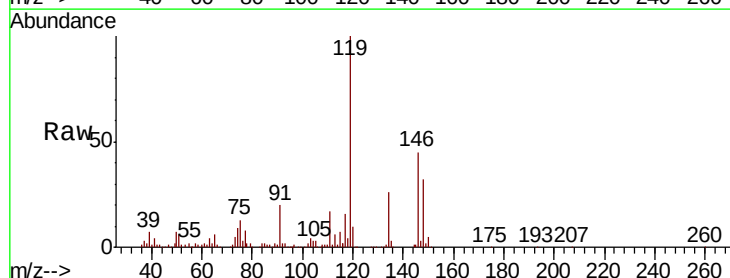
Tgt Ion:119 Resp: 183462

Ion Ratio Lower Upper

119 100

134 26.6 13.9 41.6

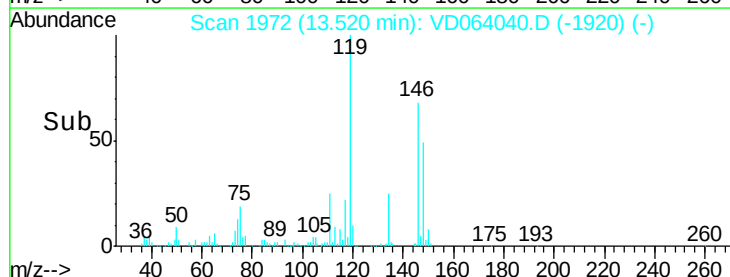
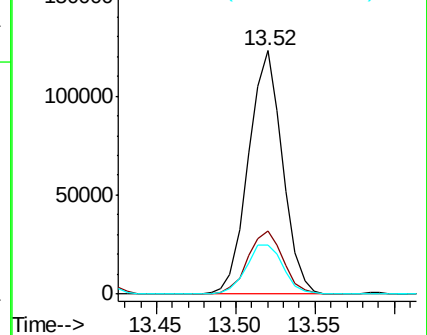
91 22.1 11.2 33.5

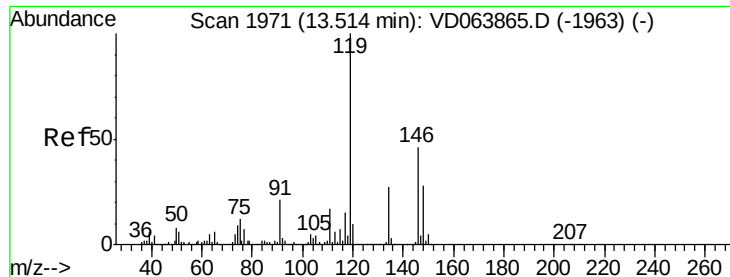


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





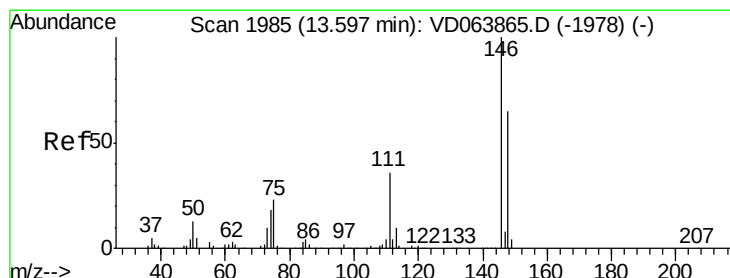
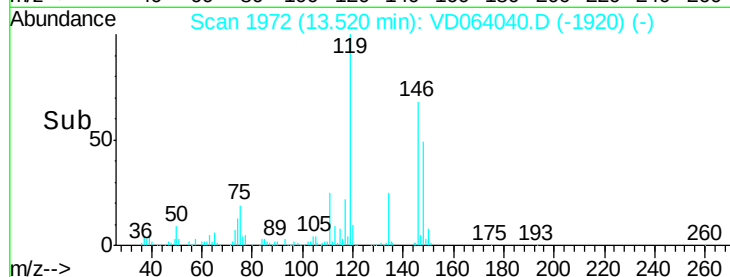
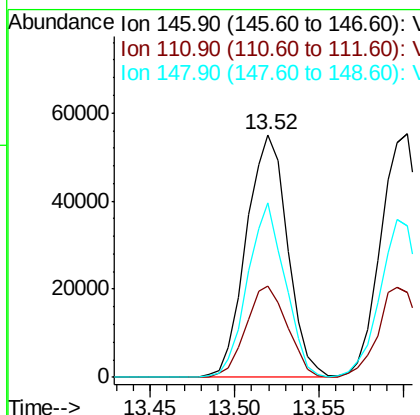
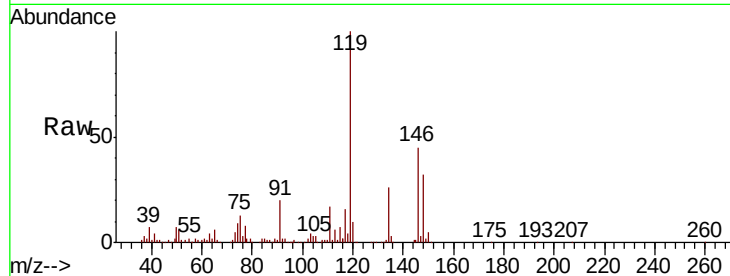
#87
 1,3-Dichlorobenzene
 Concen: 22.024 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.3	54.9
148	65.7	31.8	95.4

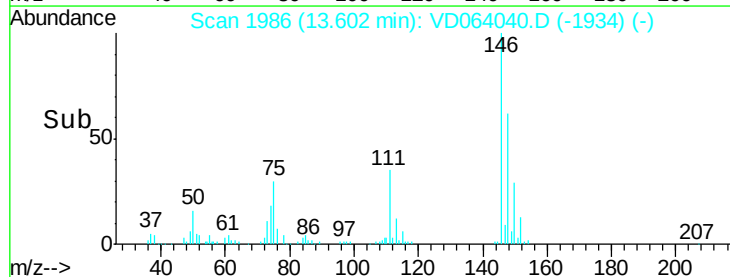
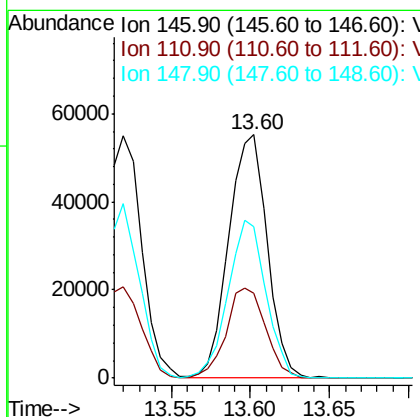
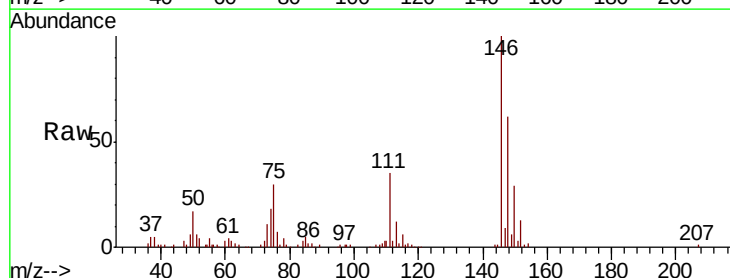
Manual Integrations
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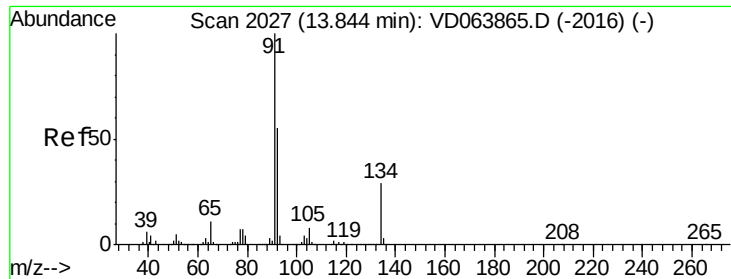
MMDadoda
 10/25/2019 4:48:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.133 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	56.0
148	64.2	32.6	98.0





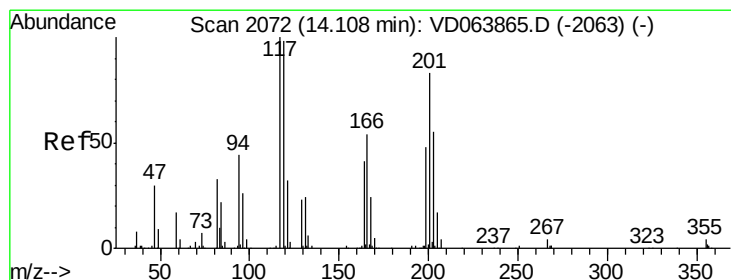
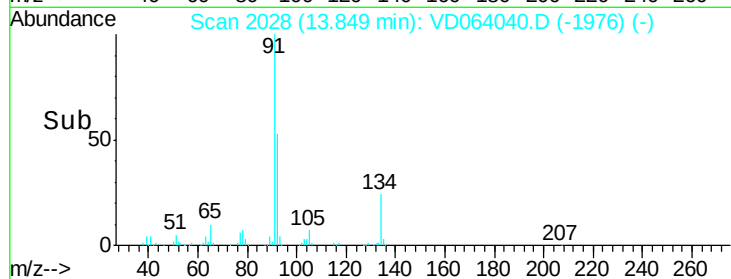
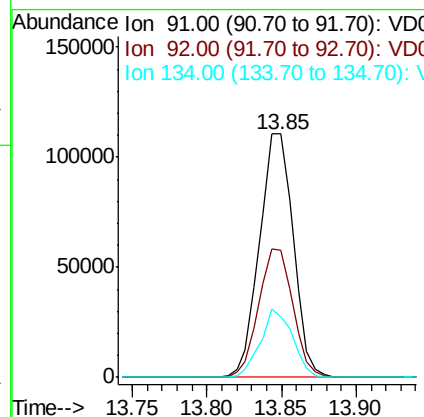
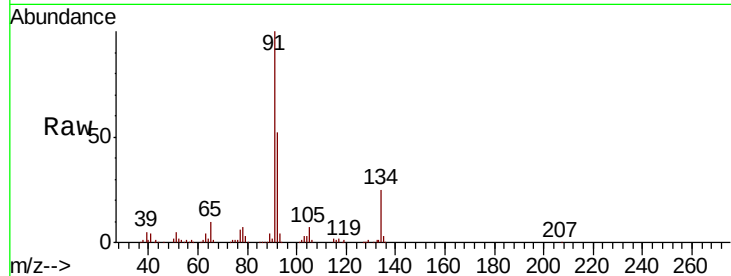
#89
n-Butylbenzene
Concen: 22.681 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.3
134	26.7	14.4	43.0

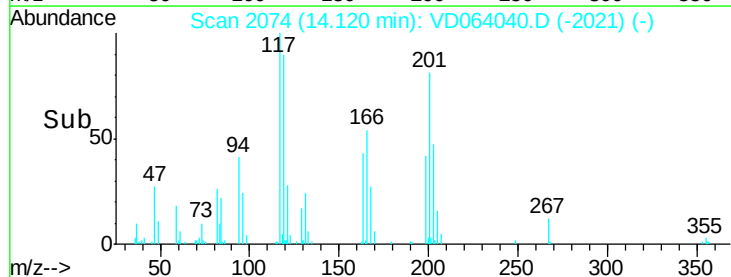
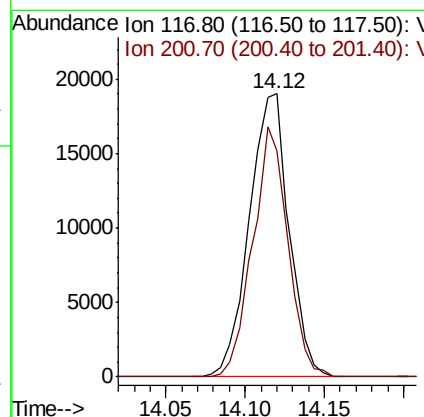
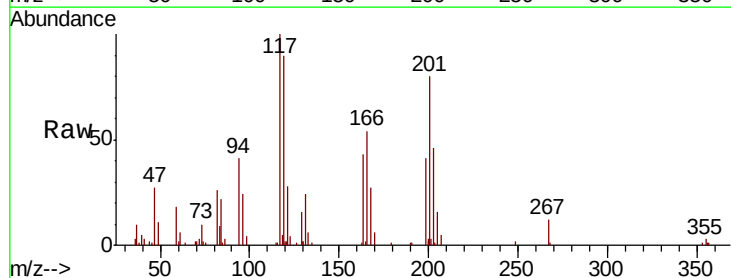
Manual Integrations
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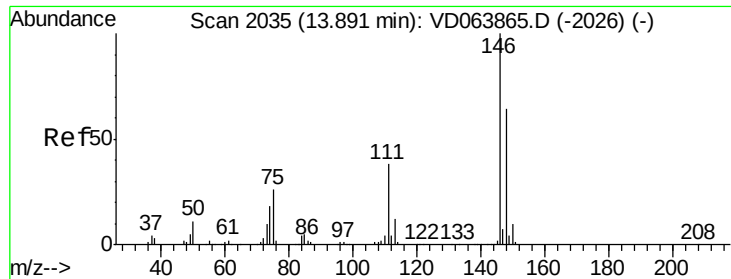
MMDadoda
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#90
Hexachloroethane
Concen: 22.457 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	40.6	121.7





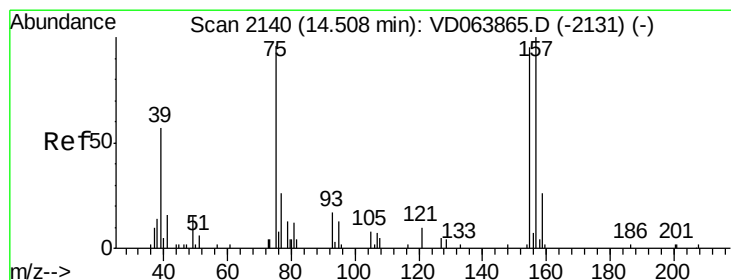
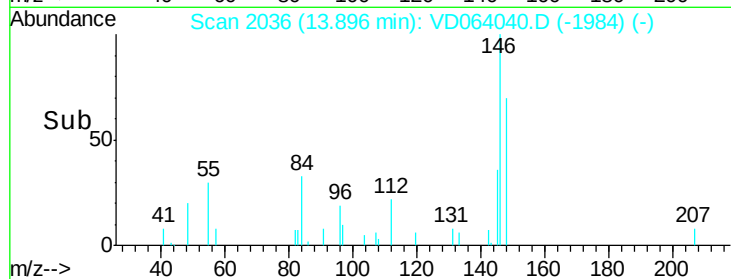
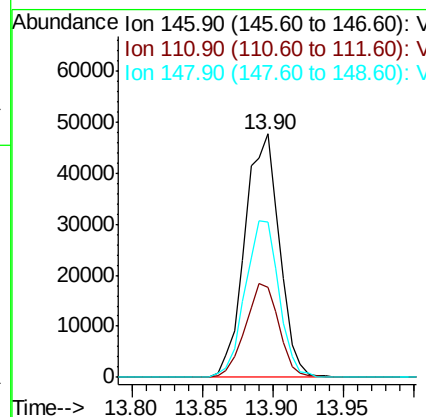
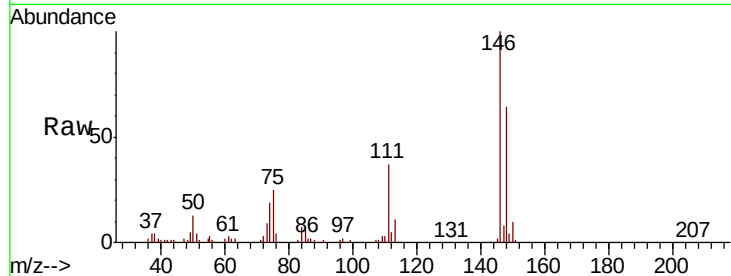
#91
 1,2-Dichlorobenzene
 Concen: 22.332 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	55.6
148	62.9	31.6	95.0

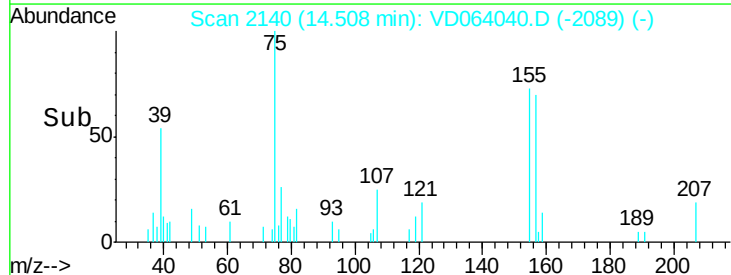
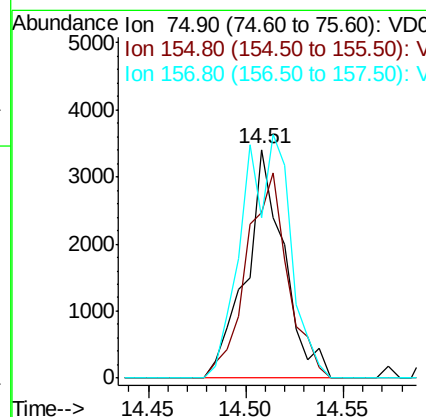
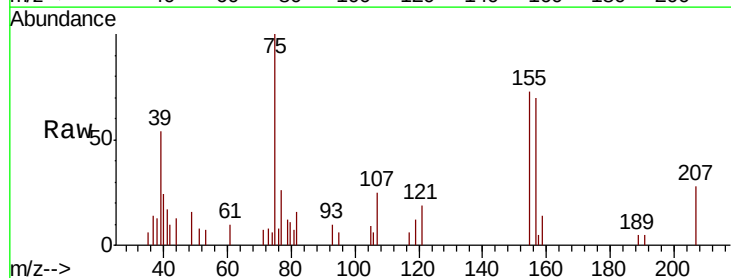
Manual Integrations
 APPROVED

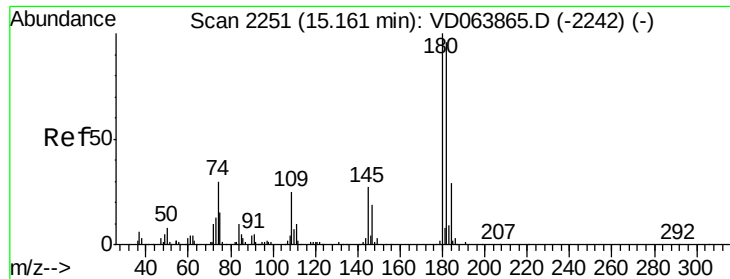
MMDadoda
 10/25/2019 4:48:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.209 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	43.9	131.6
157	133.5	56.0	167.9





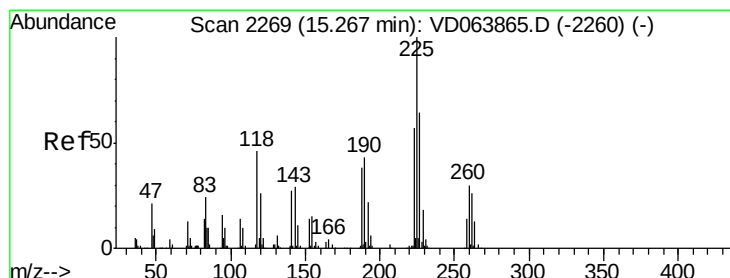
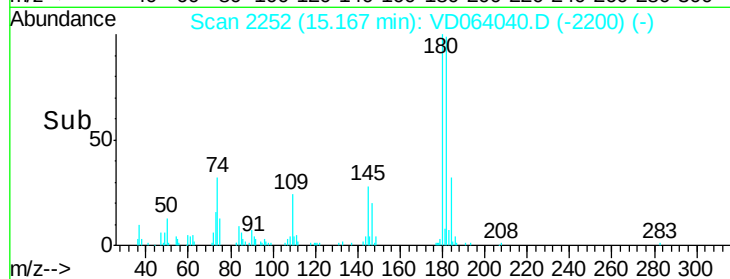
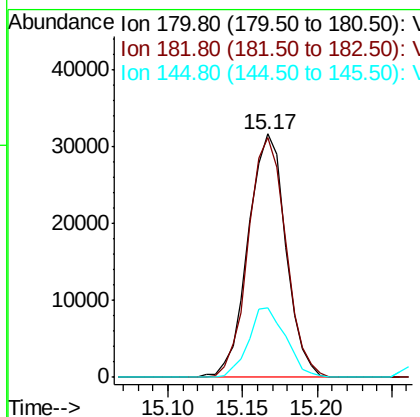
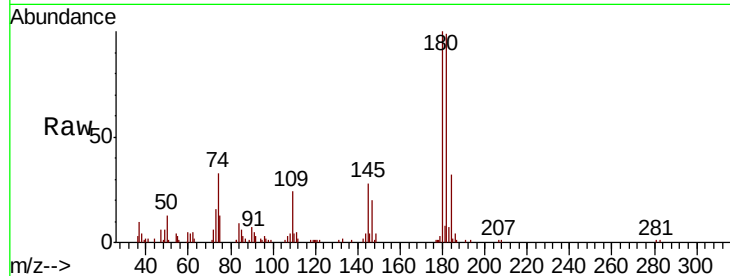
#93
 1,2,4-Trichlorobenzene
 Concen: 19.488 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.4	142.3
145	28.5	13.9	41.7

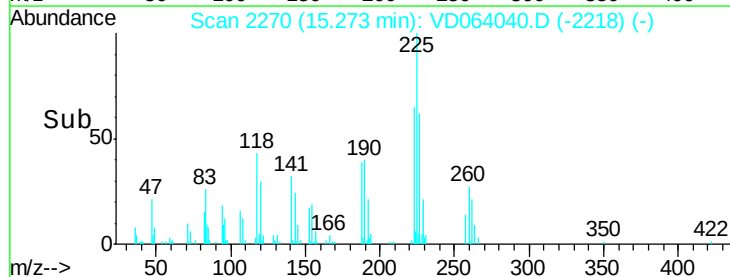
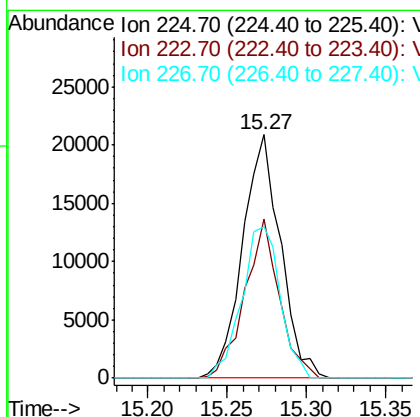
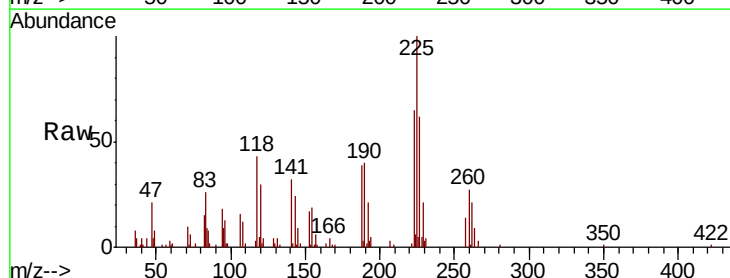
Manual Integrations
 APPROVED

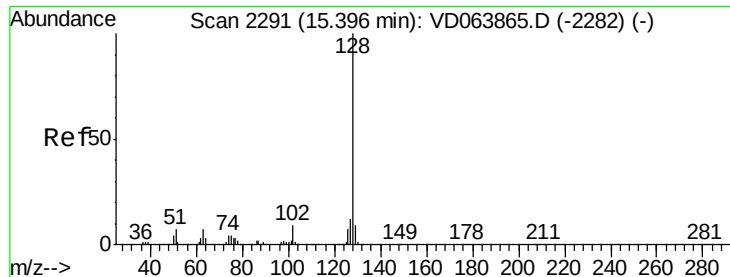
MMDadoda
 10/25/2019 4:48:07 PM



#94
 Hexachlorobutadiene
 Concen: 22.268 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.4	29.5	88.6
227	63.1	30.8	92.4





#95

Naphthalene

Concen: 19.752 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

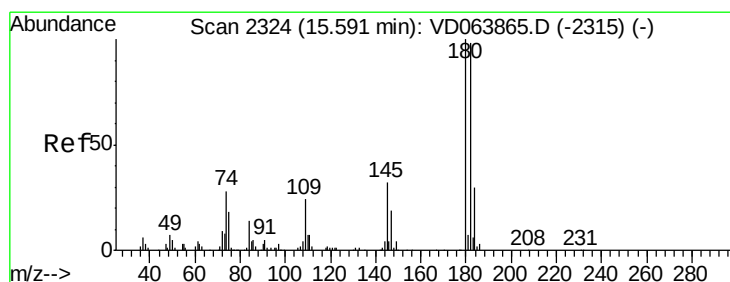
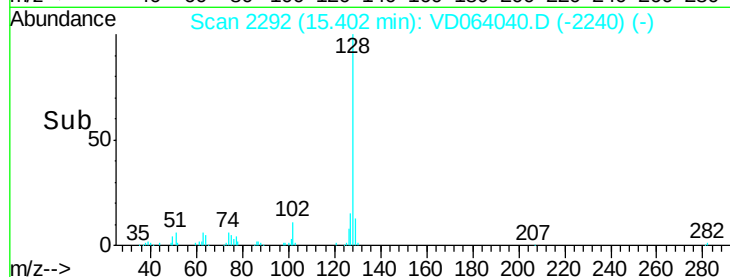
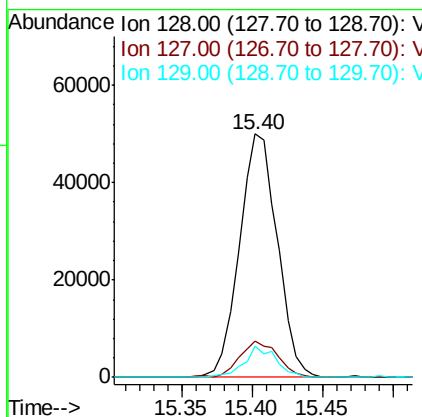
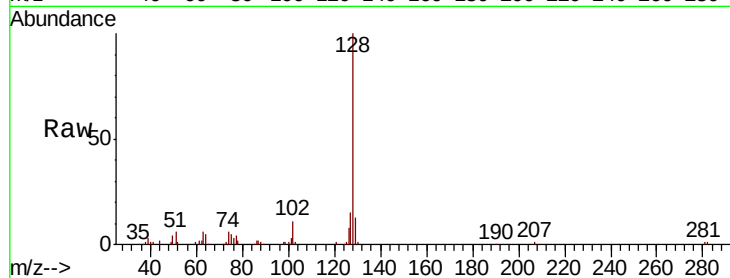
ClientSampleId :

VD1024SBS01

Tot Ion:	128	Resp:	93861
Ion Ratio	Lower	Upper	
128	100		
127	15.2	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:48:07 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.421 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Tgt Ion:	180	Resp:	52254
Ion Ratio	Lower	Upper	
180	100		
182	92.6	47.0	141.0
145	27.8	15.3	45.9

