

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064063.D
 Acq On : 25 Oct 2019 14:13
 Operator : VA/SY
 Sample : VD1025SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 12:39:22 PM

Quant Time: Oct 26 01:28:22 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	141481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	225002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	233589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	129597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	71077	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
35) Dibromofluoromethane	7.92	113	73328	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
50) Toluene-d8	10.34	98	309259	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	
62) 4-Bromofluorobenzene	12.64	95	105674	54.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	20500	20.432	ug/l	98
3) Chloromethane	2.21	50	68668	22.968	ug/l	94
4) Vinyl Chloride	2.35	62	82409	25.413	ug/l	97
5) Bromomethane	2.76	94	51389	24.649	ug/l	90
6) Chloroethane	2.93	64	56542	26.365	ug/l	93
7) Trichlorofluoromethane	3.27	101	117399	27.382	ug/l	91
8) Diethyl Ether	3.71	74	13988	20.326	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.09	101	27475	23.150	ug/l	92
10) Methyl Iodide	4.30	142	26709	16.332	ug/l	96
11) Tert butyl alcohol	5.26	59	8407m	82.480	ug/l	
12) 1,1-Dichloroethene	4.06	96	24559	20.712	ug/l #	76
13) Acrolein	3.93	56	9164	74.490	ug/l	95
14) Allyl chloride	4.71	41	45377	23.018	ug/l	91
15) Acrylonitrile	5.43	53	36214	119.358	ug/l	97
16) Acetone	4.17	43	36562	101.952	ug/l	93
17) Carbon Disulfide	4.39	76	76364	17.717	ug/l #	93
18) Methyl Acetate	4.72	43	18542	26.435	ug/l #	49
19) Methyl tert-butyl Ether	5.48	73	59386	19.341	ug/l	93
20) Methylene Chloride	4.96	84	37792	22.069	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	32988	22.348	ug/l	94
22) Diisopropyl ether	6.37	45	94815	23.550	ug/l #	92
23) Vinyl Acetate	6.31	43	271038	113.164	ug/l	95
24) 1,1-Dichloroethane	6.26	63	53357	21.516	ug/l #	92
25) 2-Butanone	7.23	43	47672	112.169	ug/l	97
26) 2,2-Dichloropropane	7.21	77	48398	21.574	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	35835	21.449	ug/l	96
28) Bromochloromethane	7.56	49	18488	20.742	ug/l	89
29) Tetrahydrofuran	7.57	42	28867	116.368	ug/l	93
30) Chloroform	7.72	83	59372	22.043	ug/l	96
31) Cyclohexane	7.98	56	53357	23.943	ug/l	89
32) 1,1,1-Trichloroethane	7.91	97	49631	21.481	ug/l #	91
36) 1,1-Dichloropropene	8.11	75	49923	24.267	ug/l	97
37) Ethyl Acetate	7.30	43	21691	24.240	ug/l #	98
38) Carbon Tetrachloride	8.10	117	47557	22.876	ug/l	94

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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)
39) Methylcyclohexane	9.36	83	59541	23.539	ug/l	92
40) Benzene	8.35	78	134797	22.864	ug/l	98
41) Methacrylonitrile	7.53	41	9256	19.406	ug/l	95
42) 1,2-Dichloroethane	8.43	62	38110	22.347	ug/l	99
43) Isopropyl Acetate	8.46	43	36224	20.996	ug/l	99
44) Trichloroethene	9.11	130	37898	22.293	ug/l	93
45) 1,2-Dichloropropane	9.40	63	32730	22.682	ug/l	99
46) Dibromomethane	9.48	93	18151	22.087	ug/l	97
47) Bromodichloromethane	9.67	83	44727	21.139	ug/l #	93
48) Methyl methacrylate	9.46	41	16080	19.452	ug/l	93
49) 1,4-Dioxane	9.47	88	4927	439.219	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	97568	109.043	ug/l	99
52) Toluene	10.41	92	94741	23.410	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	44240	21.427	ug/l #	84
54) cis-1,3-Dichloropropene	10.09	75	50483	21.241	ug/l	93
55) 1,1,2-Trichloroethane	10.81	97	28223	24.323	ug/l	96
56) Ethyl methacrylate	10.66	69	29690	20.205	ug/l	97
57) 1,3-Dichloropropane	10.95	76	47984	24.169	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	64358	101.894	ug/l	97
59) 2-Hexanone	10.99	43	72677	112.286	ug/l	99
60) Dibromochloromethane	11.15	129	33004	21.847	ug/l	96
61) 1,2-Dibromoethane	11.25	107	27285	24.255	ug/l	94
64) Tetrachloroethene	10.88	164	34471	21.617	ug/l	95
65) Chlorobenzene	11.68	112	106980	22.805	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	38553	22.304	ug/l	95
67) Ethyl Benzene	11.75	91	191452	22.633	ug/l	97
68) m/p-Xylenes	11.86	106	147939	45.311	ug/l	96
69) o-Xylene	12.18	106	66577	21.295	ug/l	99
70) Styrene	12.20	104	119166	22.516	ug/l	97
71) Bromoform	12.37	173	20897	22.526	ug/l #	97
73) Isopropylbenzene	12.48	105	186006	21.350	ug/l	96
74) N-amyl acetate	12.30	43	35745	19.056	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	32311	21.313	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	18232m	21.005	ug/l	
77) Bromobenzene	12.77	156	44580	20.538	ug/l	96
78) n-propylbenzene	12.83	91	226265	22.126	ug/l	97
79) 2-Chlorotoluene	12.91	91	118550	21.024	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	152943	21.042	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	8859	18.061	ug/l	87
82) 4-Chlorotoluene	13.01	91	125591	20.996	ug/l	98
83) tert-Butylbenzene	13.23	119	135598	20.962	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	157501	21.019	ug/l	100
85) sec-Butylbenzene	13.41	105	197628	22.623	ug/l	100
86) p-Isopropyltoluene	13.52	119	181852	21.999	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	94414	22.014	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	90139	21.304	ug/l	97
89) n-Butylbenzene	13.85	91	173579	22.559	ug/l	96
90) Hexachloroethane	14.12	117	32674	21.977	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	79751	21.578	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4769	18.708	ug/l	85

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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	58183	20.402	ug/l	97
94) Hexachlorobutadiene	15.28	225	34814	22.122	ug/l	97
95) Naphthalene	15.41	128	98816	20.615	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	49049	19.934	ug/l	98

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

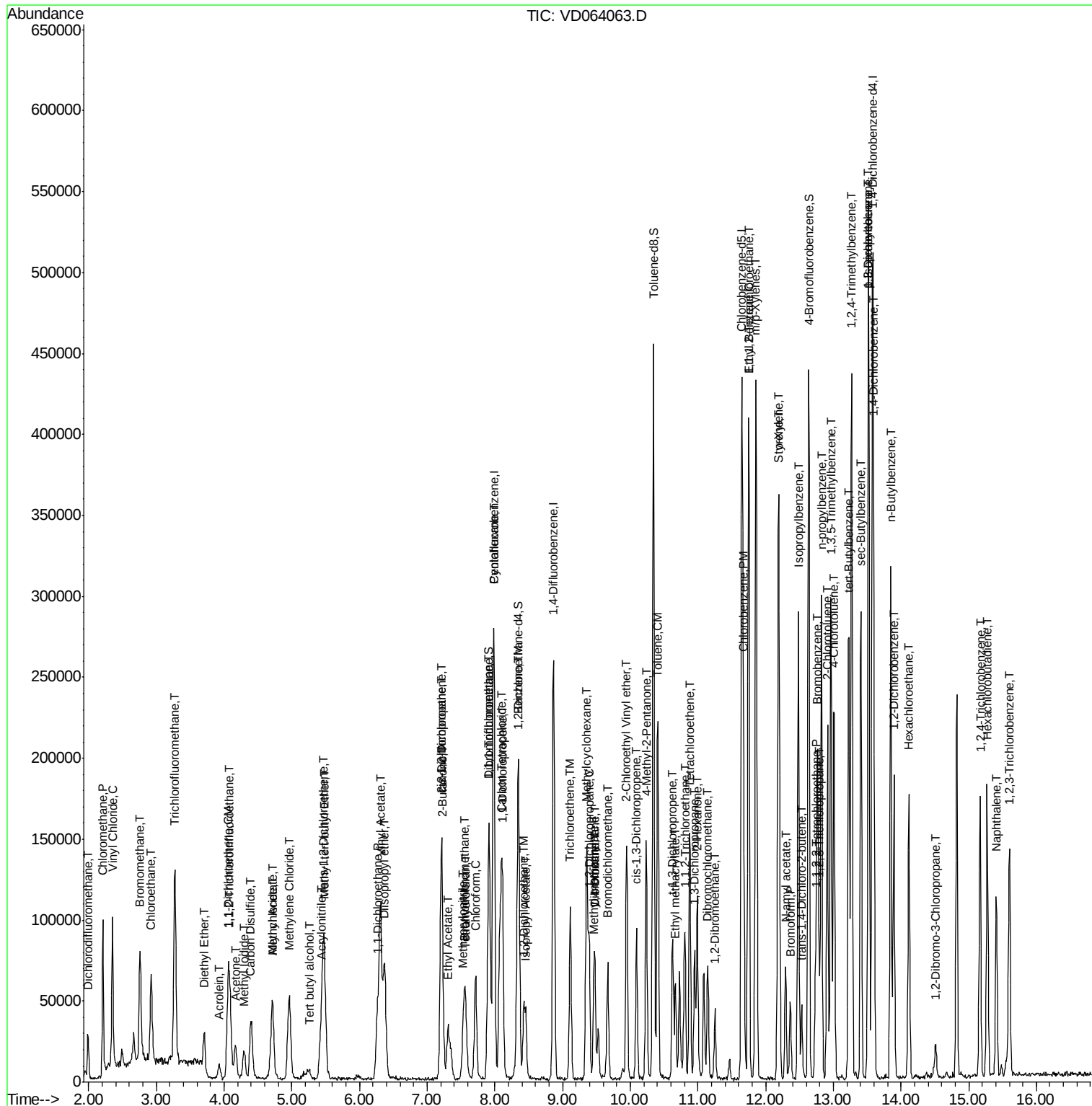
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
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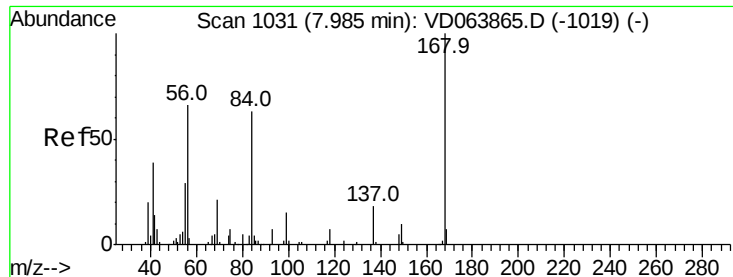
Instrument :
MSVOA_D
Client Sample Id :
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Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion:168 Resp: 141481

Ion Ratio Lower Upper

168 100

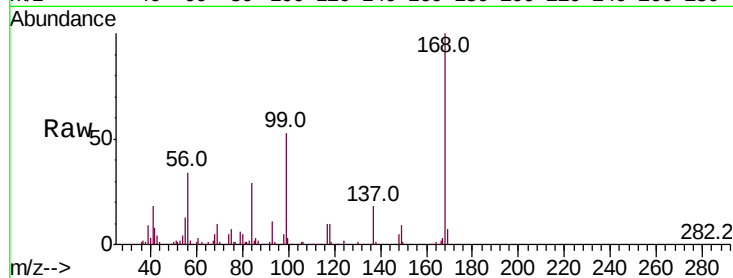
99 53.2 43.0 64.4

Manual Integrations

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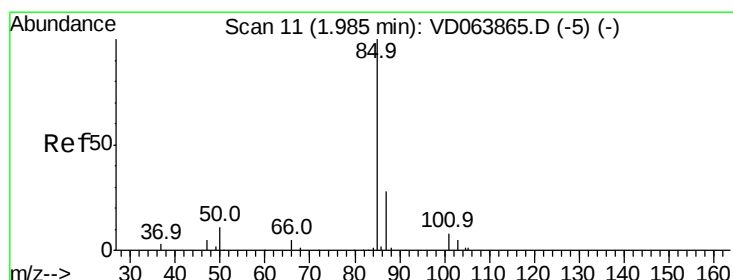
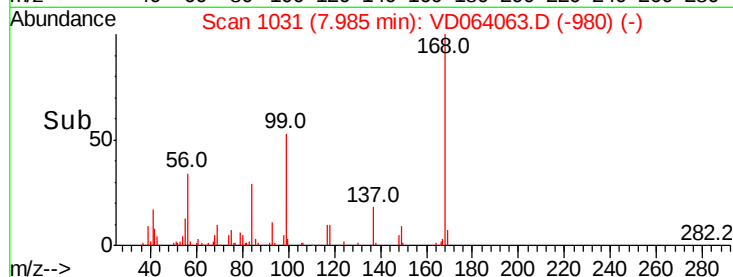
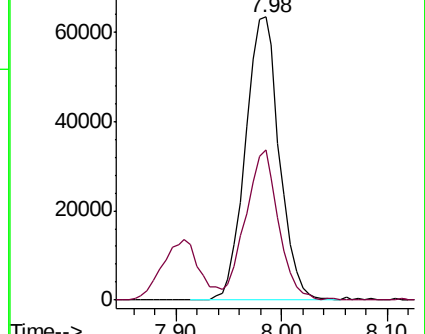
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.432 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD064063.D

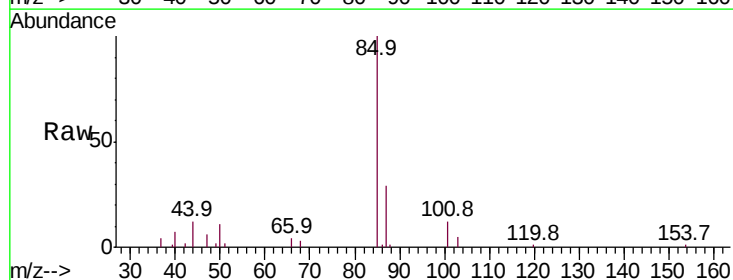
Acq: 25 Oct 2019 14:13

Tgt Ion: 85 Resp: 20500

Ion Ratio Lower Upper

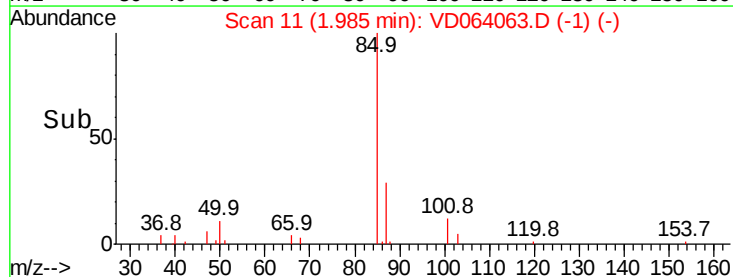
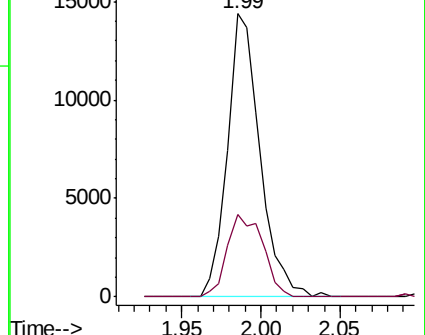
85 100

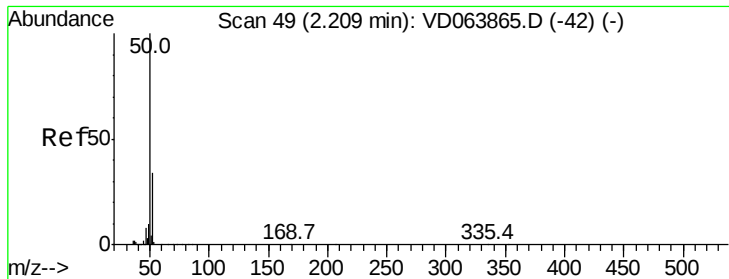
87 29.0 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.968 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 50 Resp: 68668

Ion Ratio Lower Upper

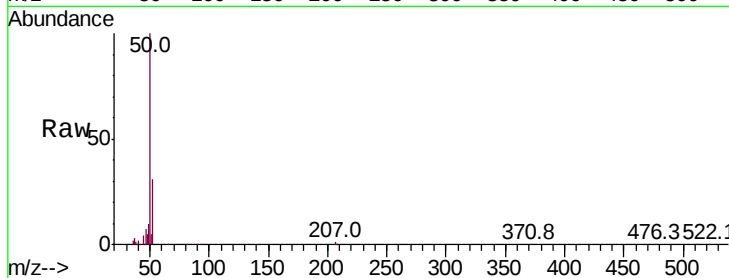
50 100

52 30.8 27.5 41.3

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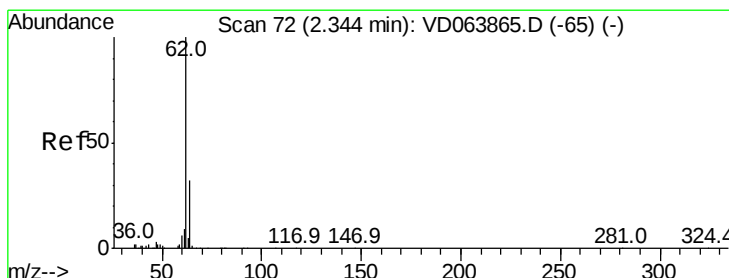
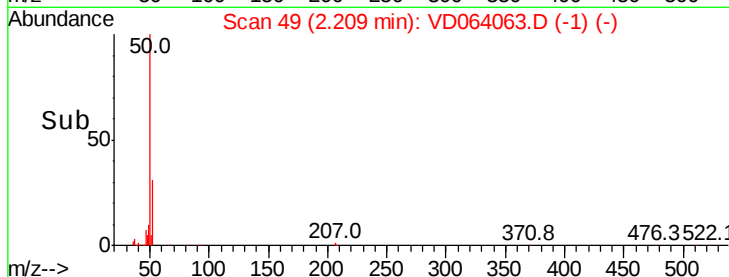
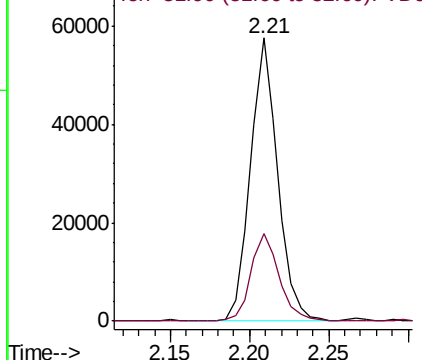
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 25.413 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD064063.D

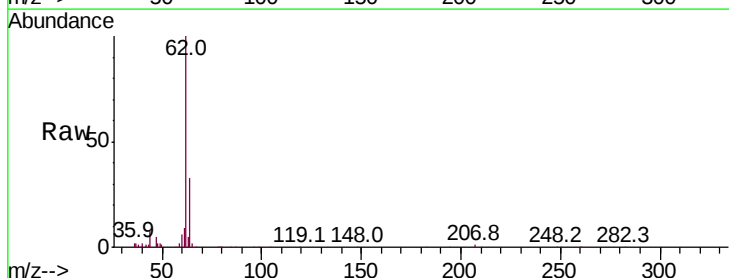
Acq: 25 Oct 2019 14:13

Tgt Ion: 62 Resp: 82409

Ion Ratio Lower Upper

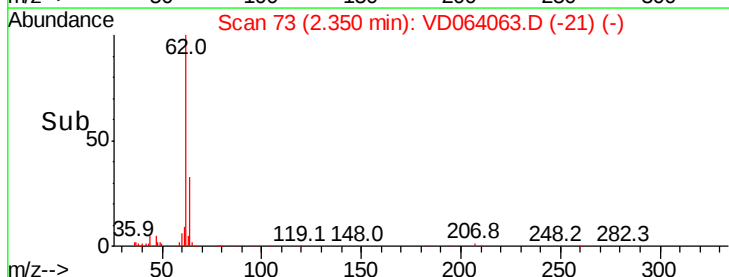
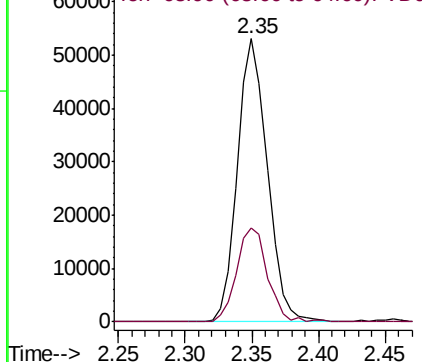
62 100

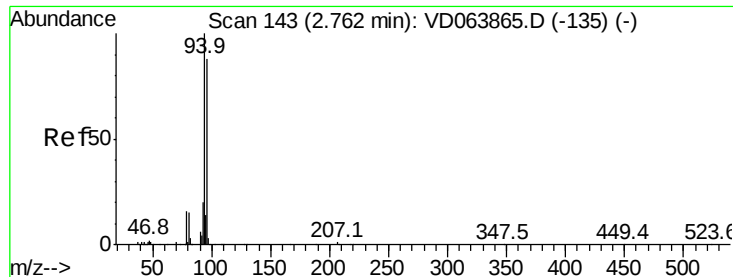
64 33.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 24.649 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 94 Resp: 51389

Ion Ratio Lower Upper

94 100

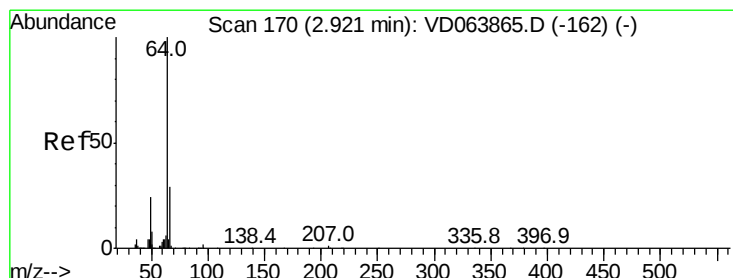
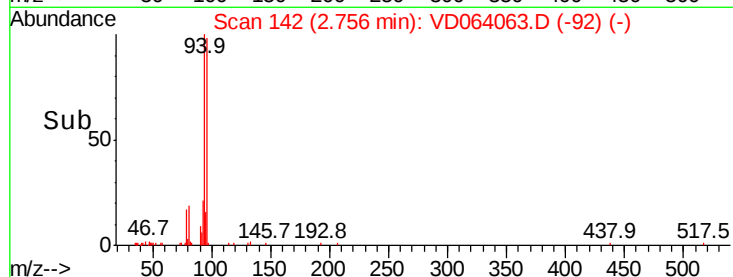
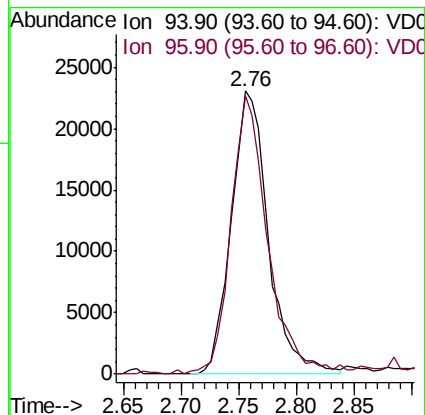
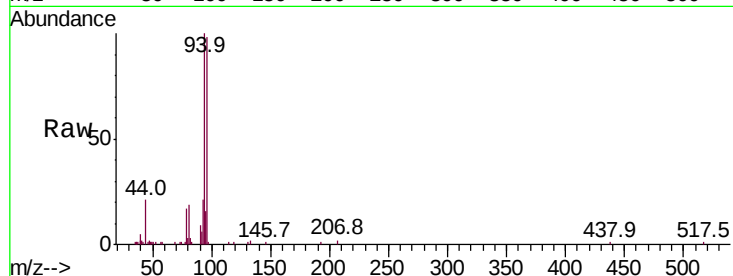
96 97.4 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 26.365 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064063.D

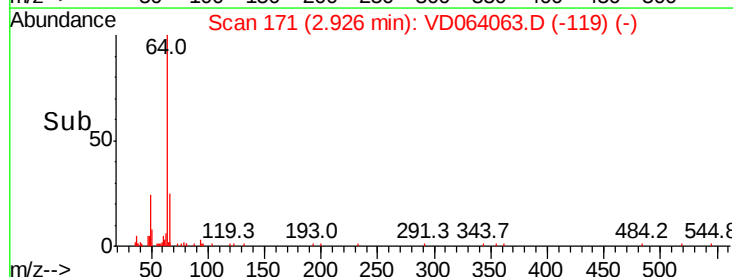
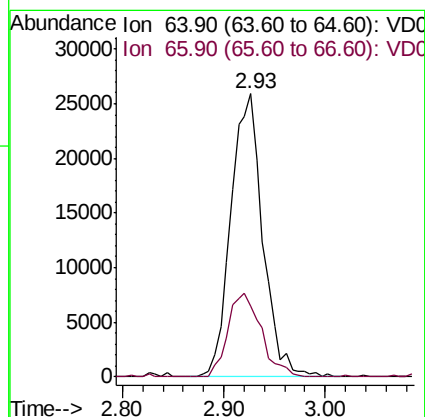
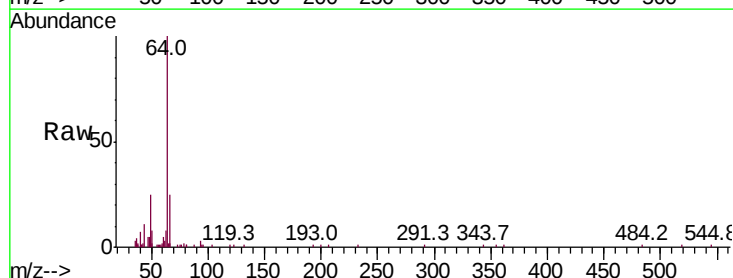
Acq: 25 Oct 2019 14:13

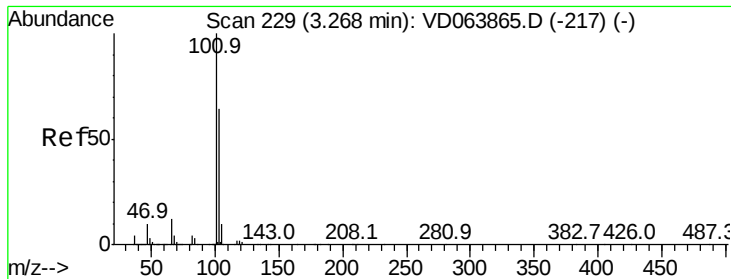
Tgt Ion: 64 Resp: 56542

Ion Ratio Lower Upper

64 100

66 25.2 23.0 34.4





#7

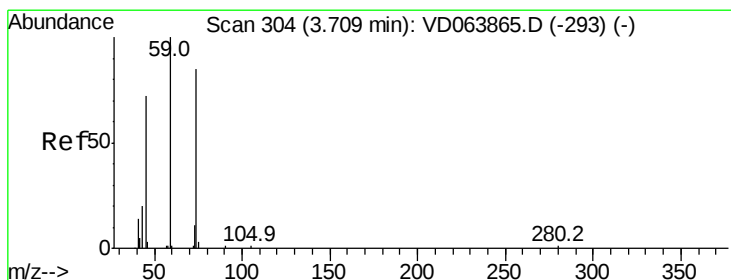
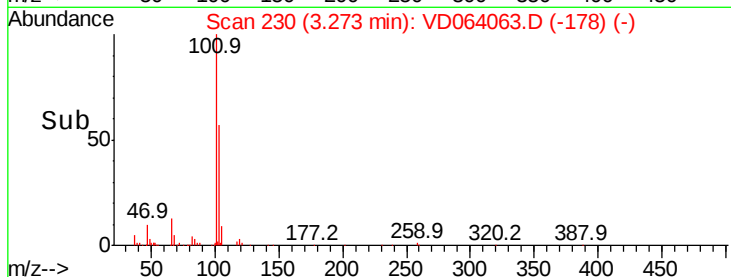
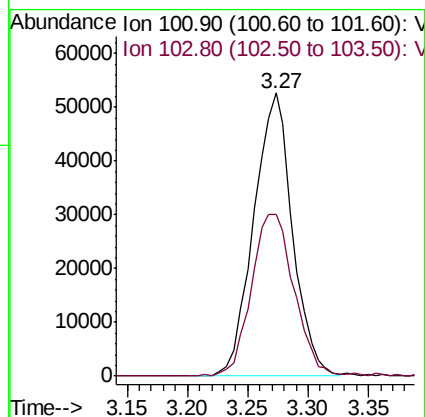
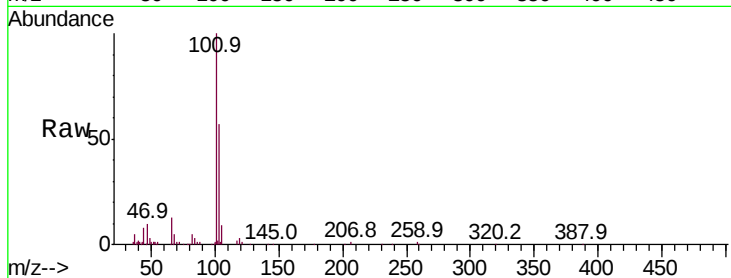
Trichlorofluoromethane
Concen: 27.382 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.9	51.1	76.7

Manual Integrations
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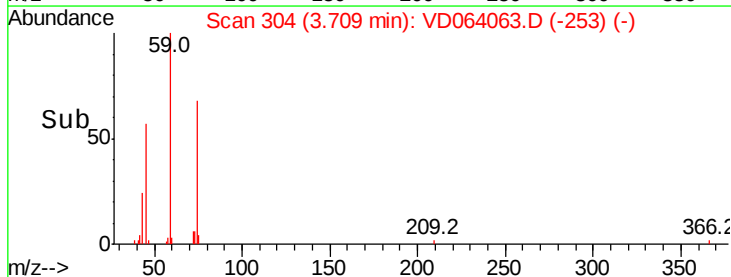
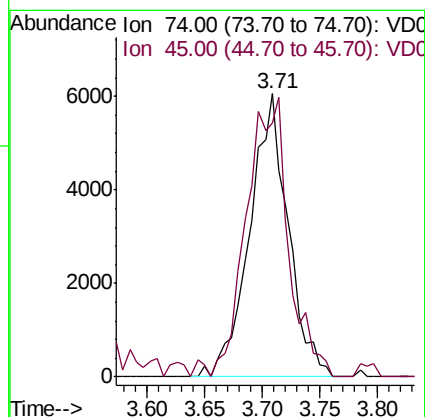
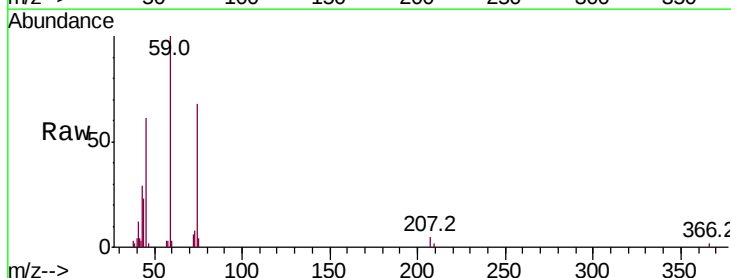
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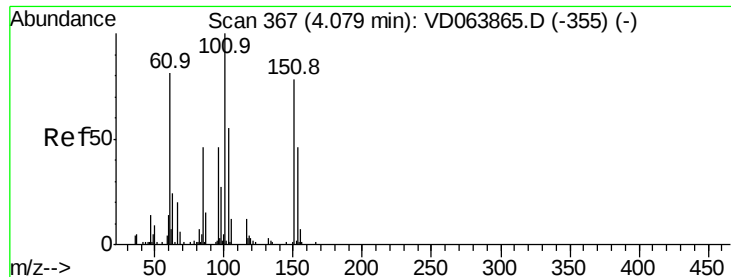


#8

Diethyl Ether
Concen: 20.326 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.9	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.150 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

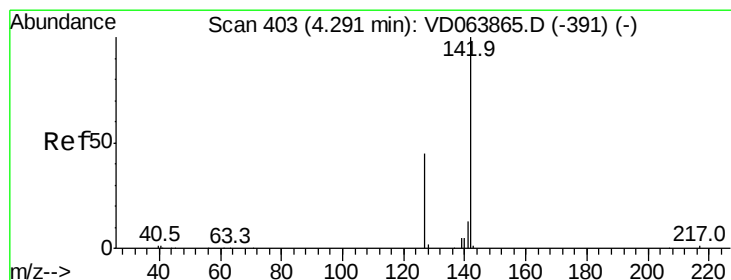
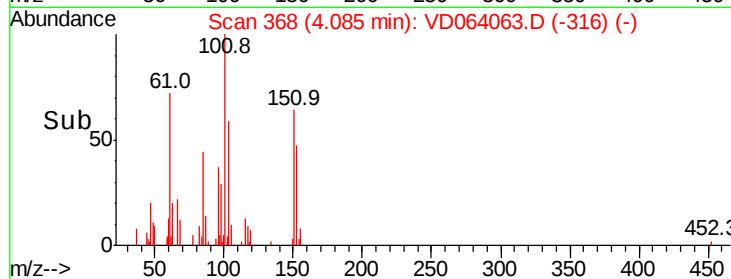
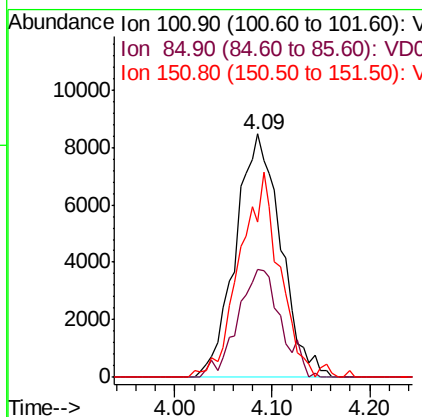
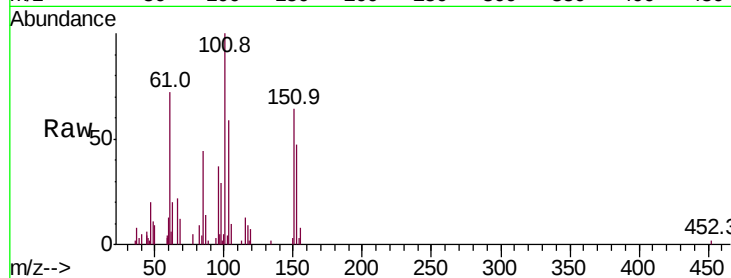
ClientSampleId :

VD1025SBS01

Tot Ion:	101	Resp:	27475
Ion Ratio	Lower	Upper	
101	100		
85	42.3	37.5	56.3
151	73.5	65.5	98.3

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#10

Methyl Iodide

Concen: 16.332 ug/l

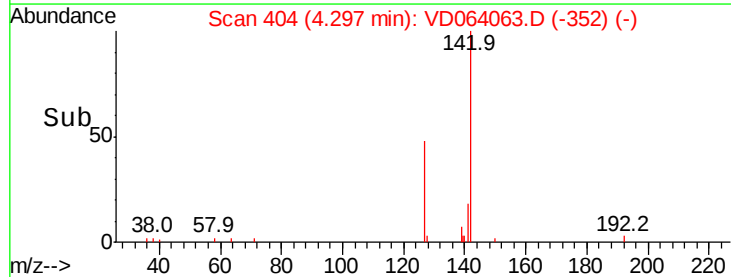
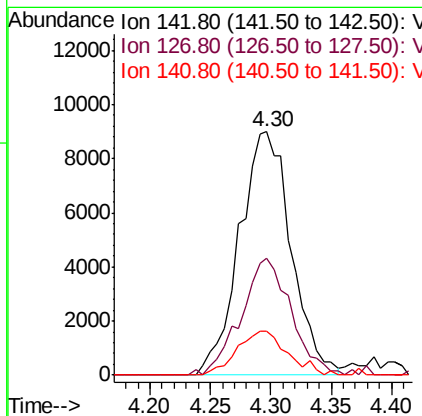
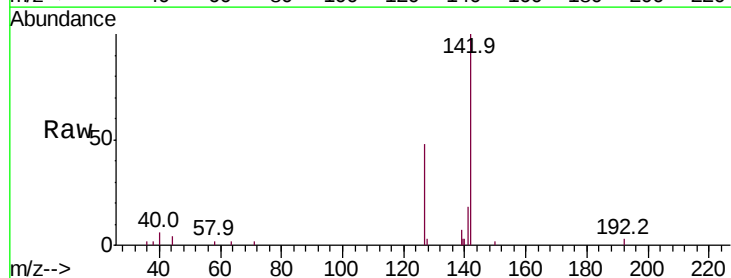
RT: 4.30 min Scan# 404

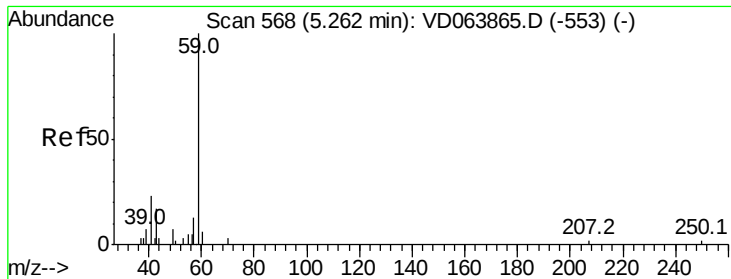
Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Tgt Ion:	142	Resp:	26709
Ion Ratio	Lower	Upper	
142	100		
127	46.5	35.3	52.9
141	17.7	12.2	18.2





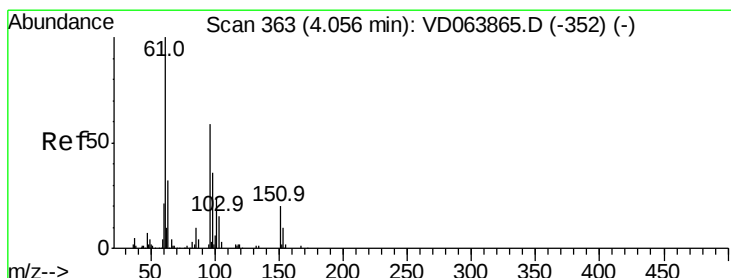
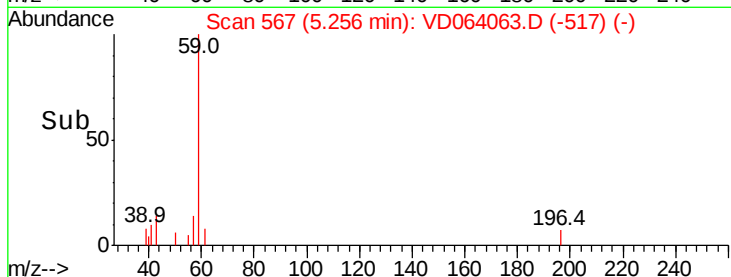
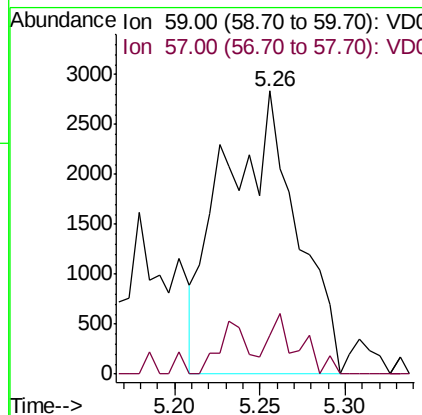
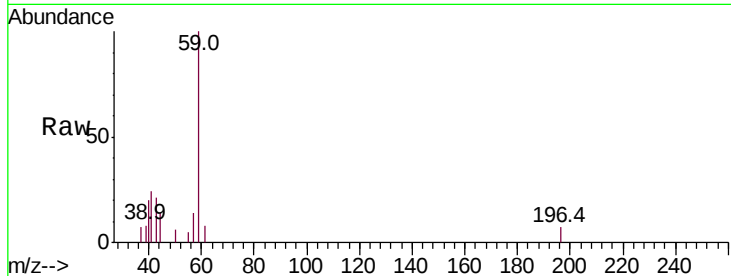
#11
Tert butyl alcohol
Concen: 82.480 ug/l m
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion: 59 Resp: 8407
Ion Ratio Lower Upper
59 100
57 7.5 8.8 13.2#

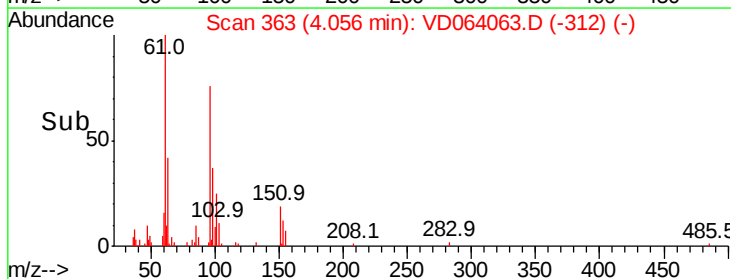
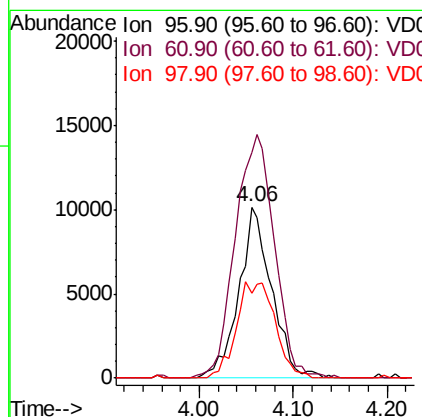
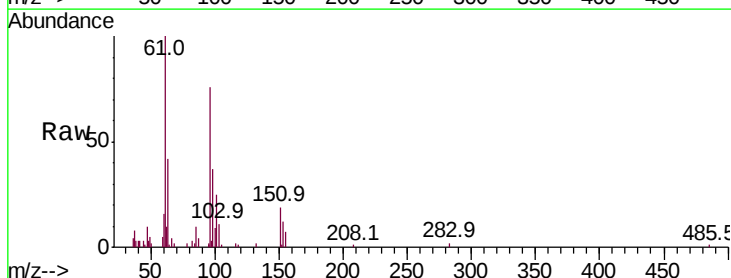
Manual Integrations
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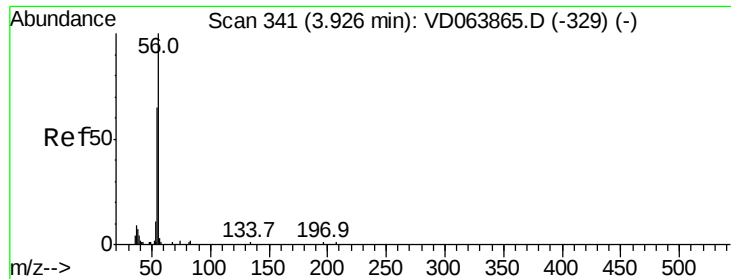
MMDadoda
10/28/2019 12:39:22 PM



#12
1,1-Dichloroethene
Concen: 20.712 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion: 96 Resp: 24559
Ion Ratio Lower Upper
96 100
61 132.2 135.6 203.4#
98 49.6 49.2 73.8





#13

Acrolein

Concen: 74.490 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 56 Resp: 9164

Ion Ratio Lower Upper

56 100

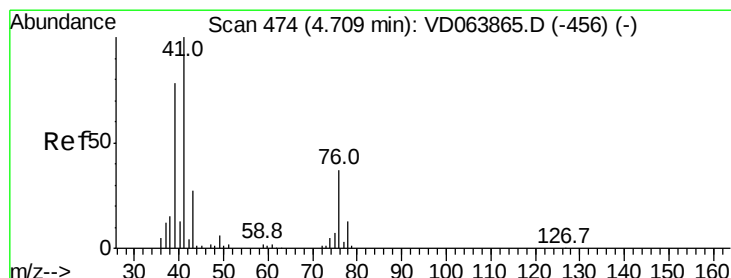
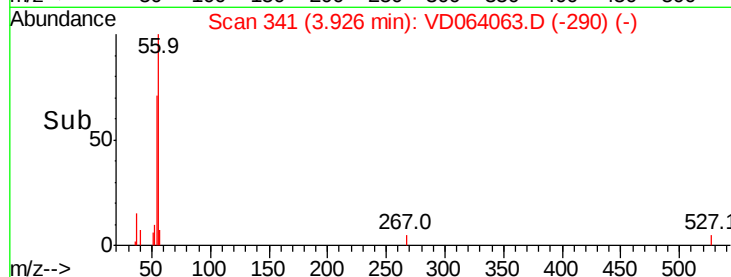
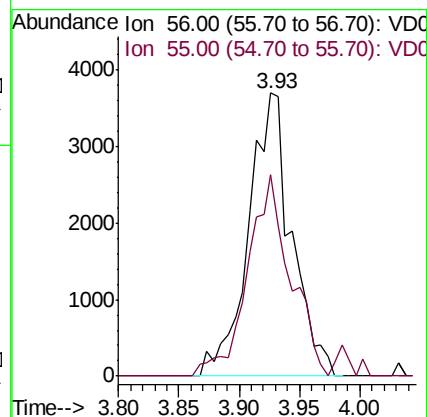
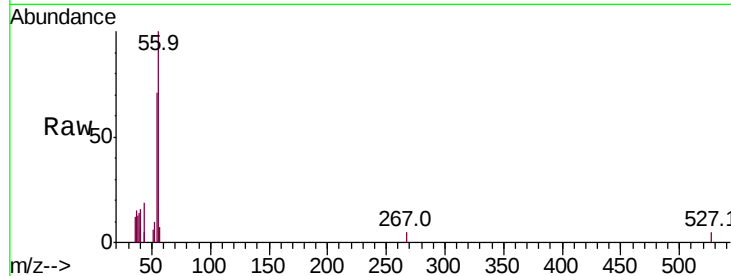
55 70.6 53.0 79.6

Manual Integrations

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#14

Allyl chloride

Concen: 23.018 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

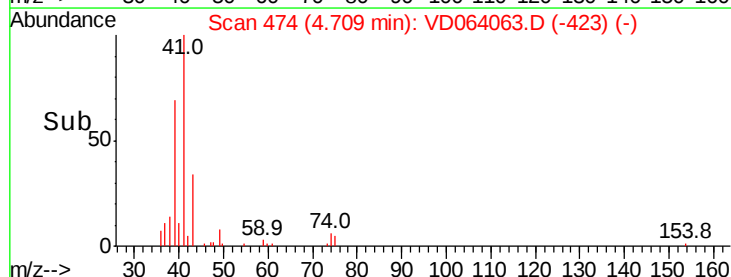
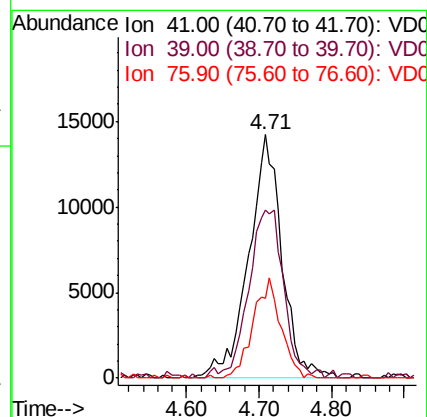
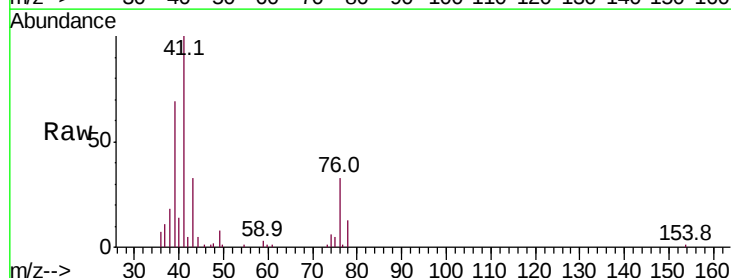
Tgt Ion: 41 Resp: 45377

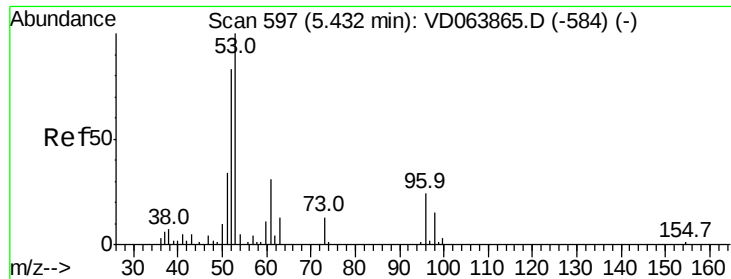
Ion Ratio Lower Upper

41 100

39 68.8 61.8 92.6

76 34.1 31.3 46.9





#15

Acrylonitrile

Concen: 119.358 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

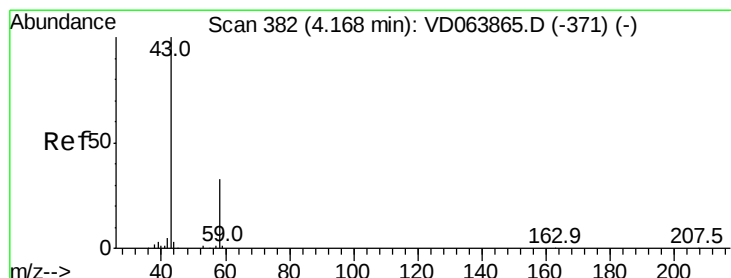
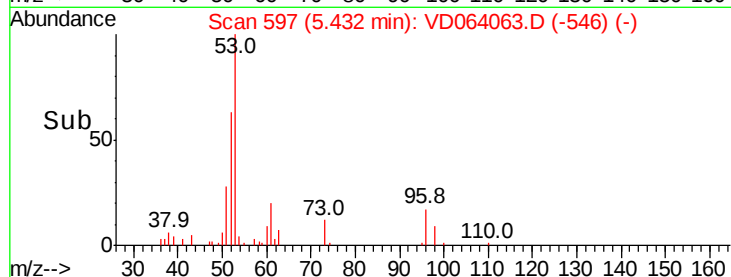
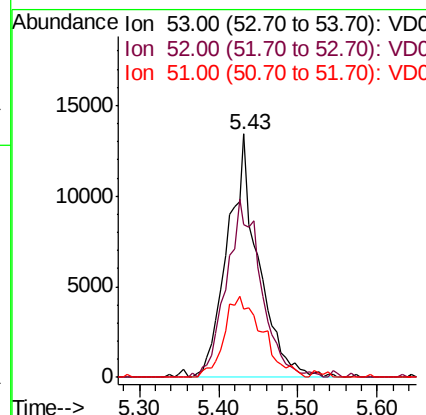
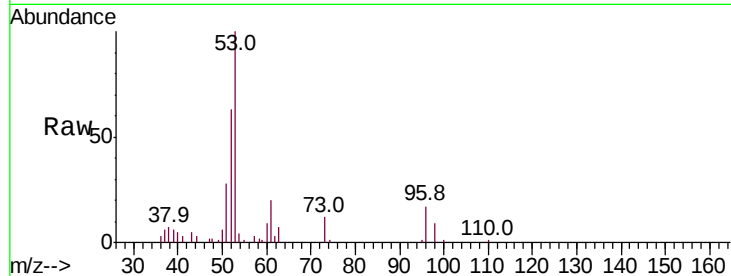
ClientSampleId :

VD1025SBS01

Tot Ion:	53	Resp:	36214
Ion Ratio	Lower	Upper	
53	100		
52	82.0	67.3	100.9
51	41.0	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 101.952 ug/l

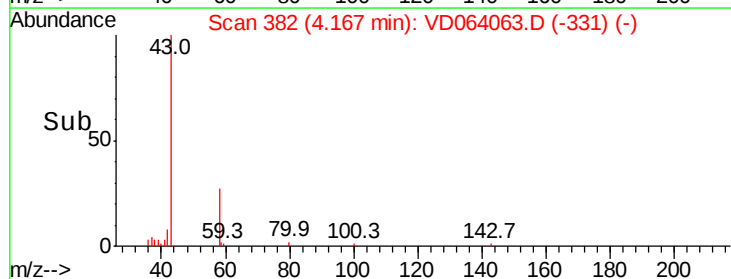
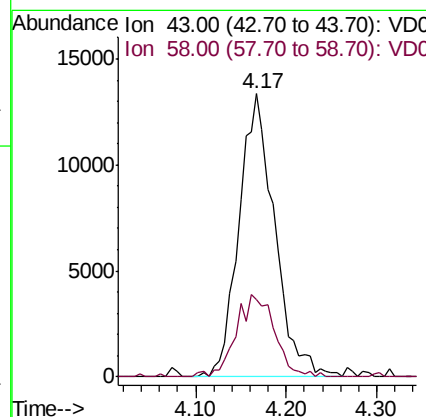
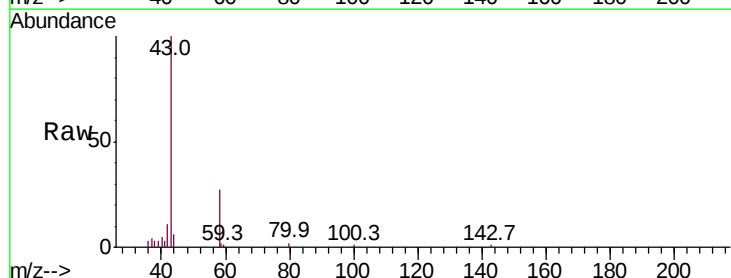
RT: 4.17 min Scan# 382

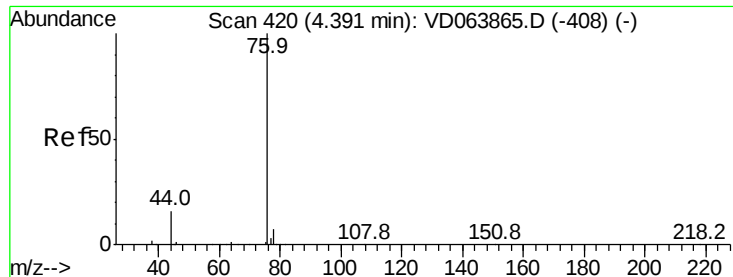
Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Tgt Ion:	43	Resp:	36562
Ion Ratio	Lower	Upper	
43	100		
58	29.1	26.2	39.4





#17

Carbon Disulfide

Concen: 17.717 ug/l

RT: 4.39 min Scan# 420

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 76 Resp: 76364

Ion Ratio Lower Upper

76 100

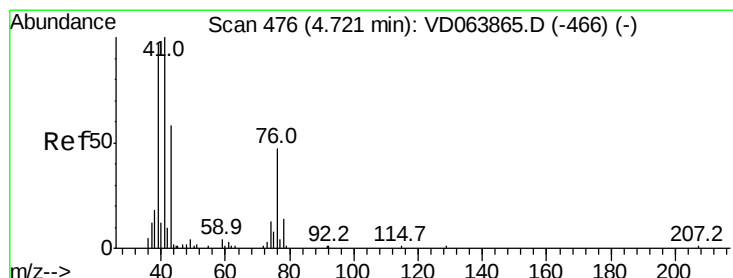
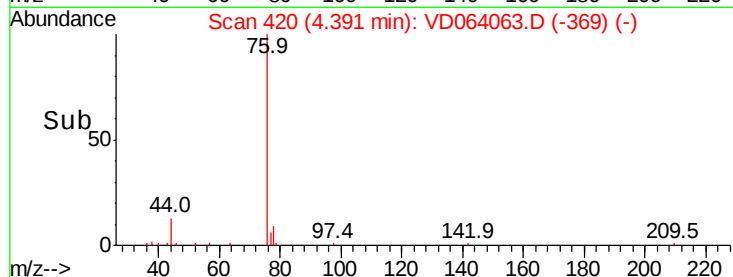
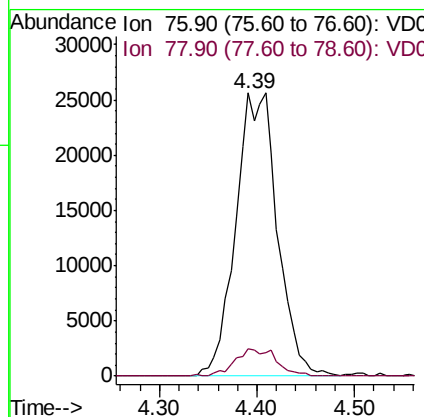
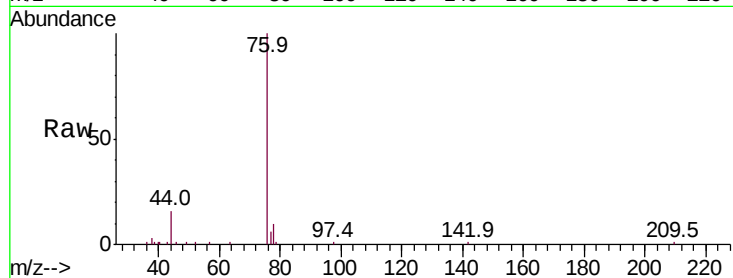
78 9.8 5.8 8.8#

Manual Integrations

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#18

Methyl Acetate

Concen: 26.435 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064063.D

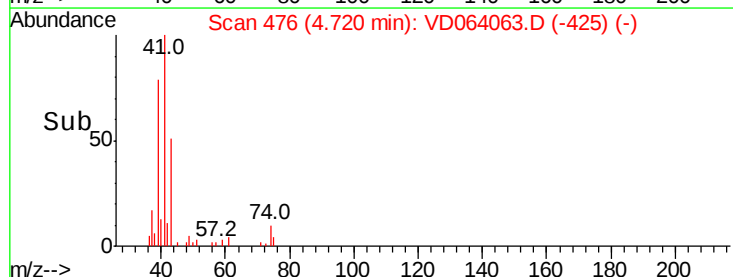
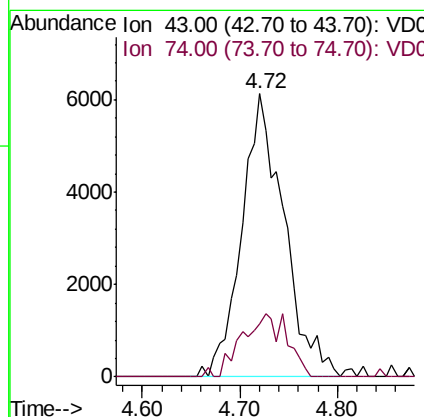
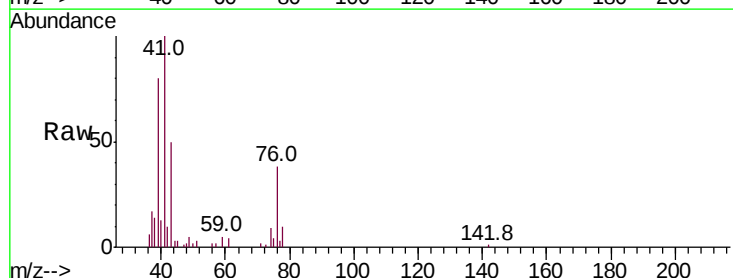
Acq: 25 Oct 2019 14:13

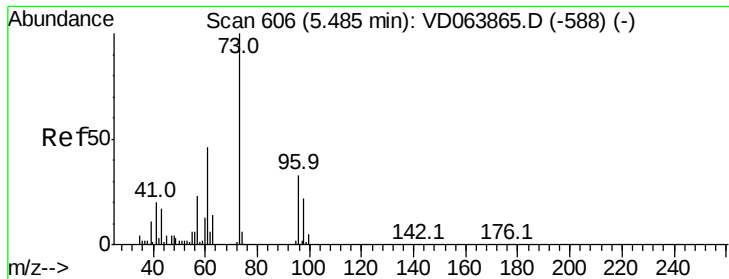
Tgt Ion: 43 Resp: 18542

Ion Ratio Lower Upper

43 100

74 0.0 20.8 31.2#





#19

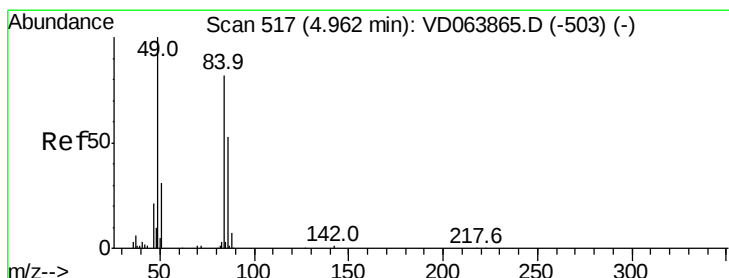
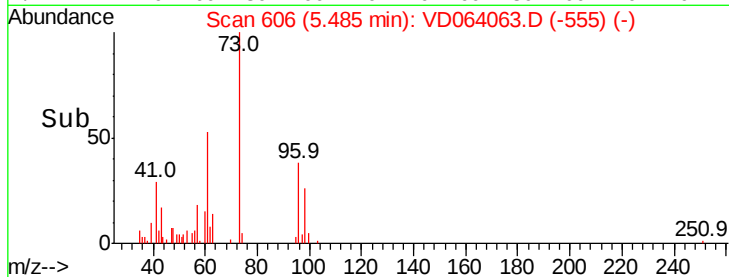
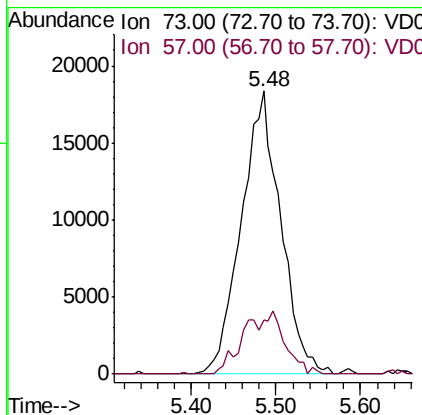
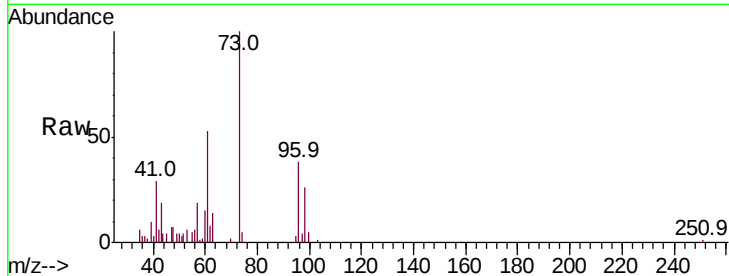
Methyl tert-butyl Ether
 Concen: 19.341 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.1	27.1

Manual Integrations
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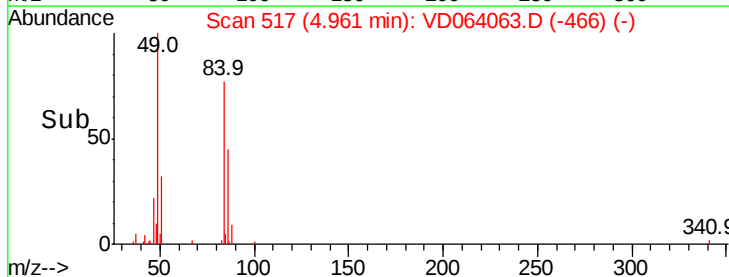
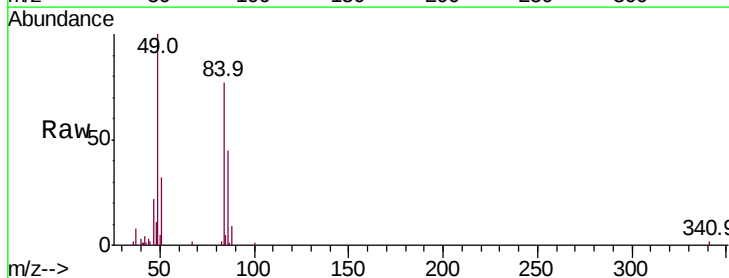
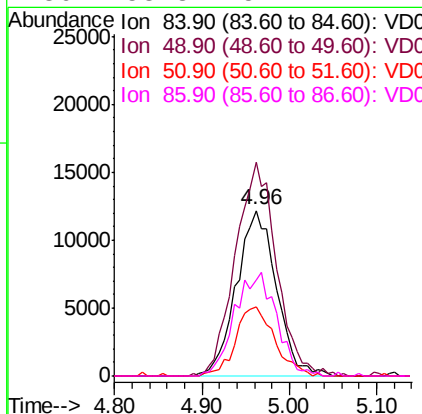
MMDadoda
 10/28/2019 12:39:22 PM

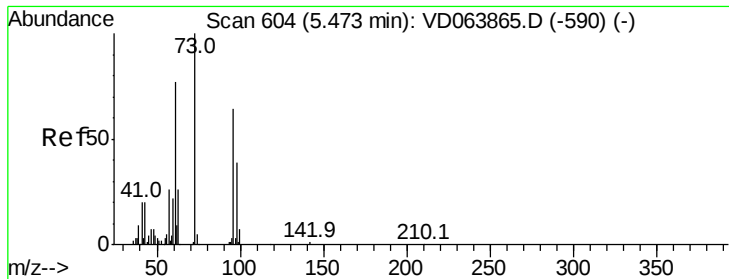


#20

Methylene Chloride
 Concen: 22.069 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.1	97.3	145.9
51	41.7	30.1	45.1
86	58.3	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 22.348 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 96 Resp: 32988

Ion Ratio Lower Upper

96 100

61 128.6 96.6 145.0

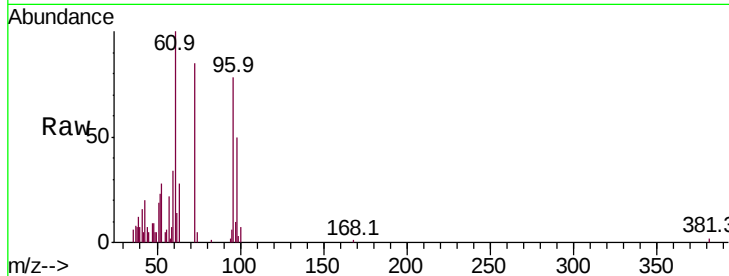
98 64.0 48.7 73.1

Manual Integrations

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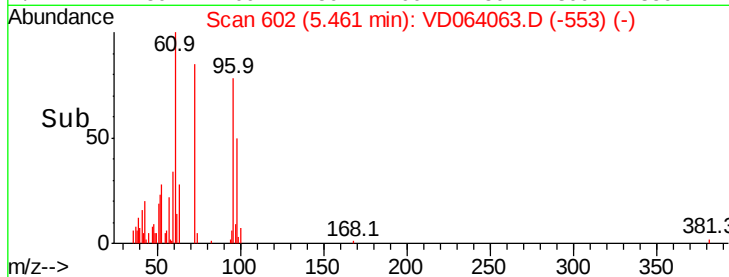
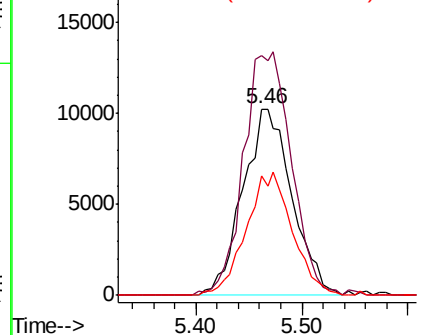
10/28/2019 12:39:22 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 23.550 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Tgt Ion: 45 Resp: 94815

Ion Ratio Lower Upper

45 100

43 45.1 41.2 61.8

87 25.3 22.2 33.4

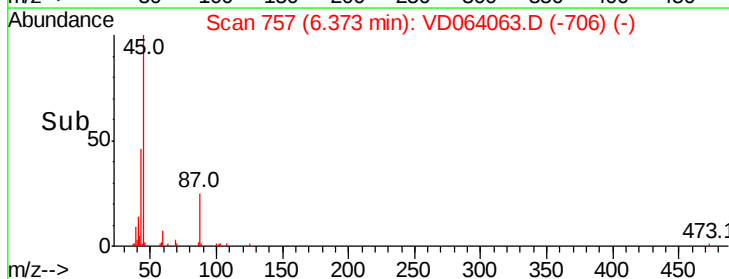
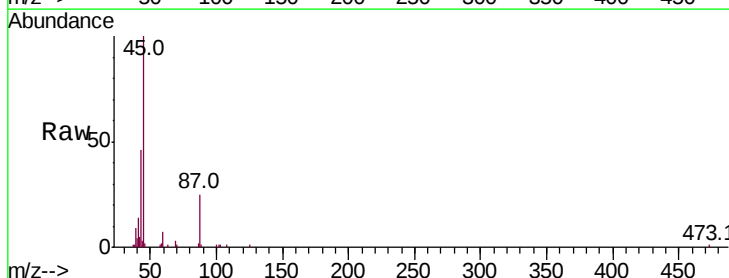
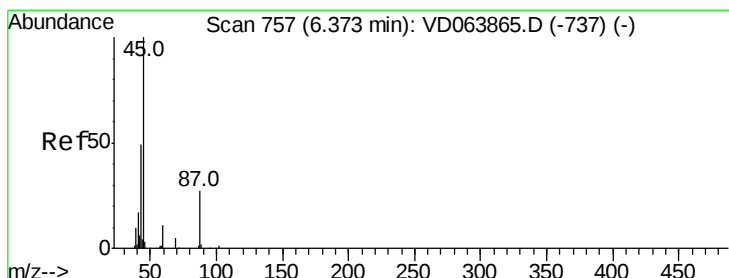
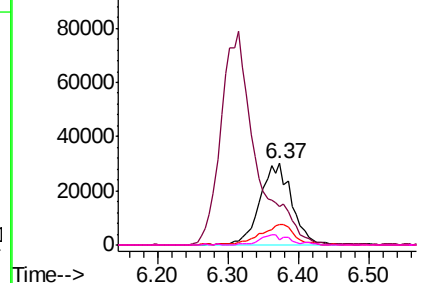
59 6.9 9.2 13.8#

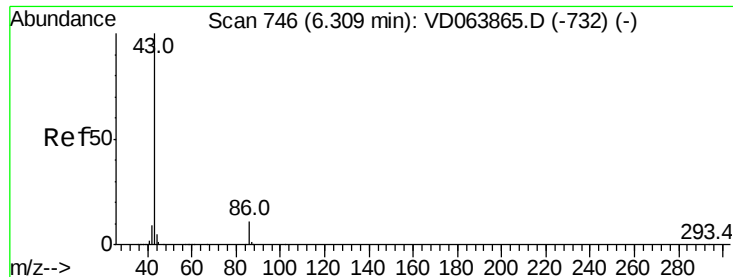
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 113.164 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 43 Resp: 271038

Ion Ratio Lower Upper

43 100

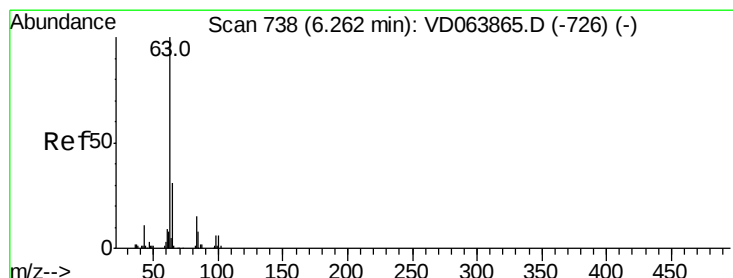
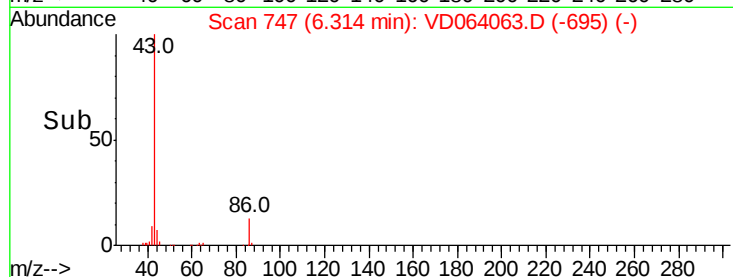
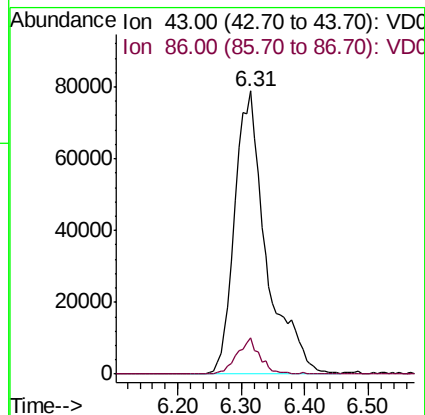
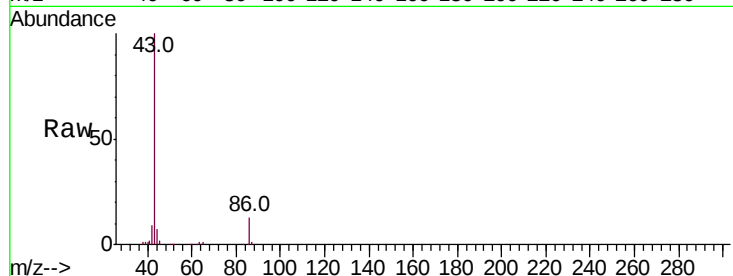
86 12.9 8.8 13.2

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 21.516 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

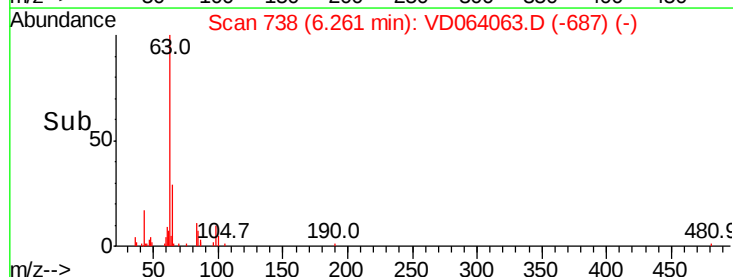
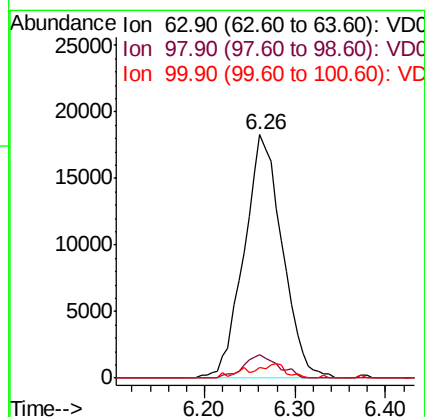
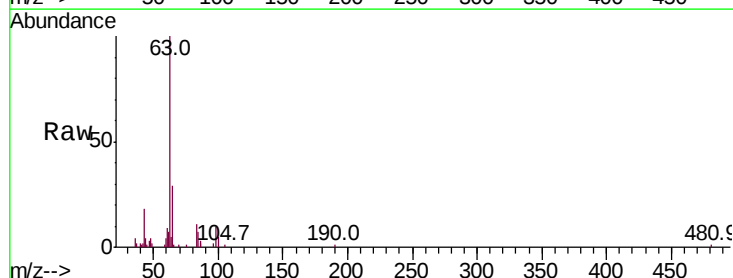
Tgt Ion: 63 Resp: 53357

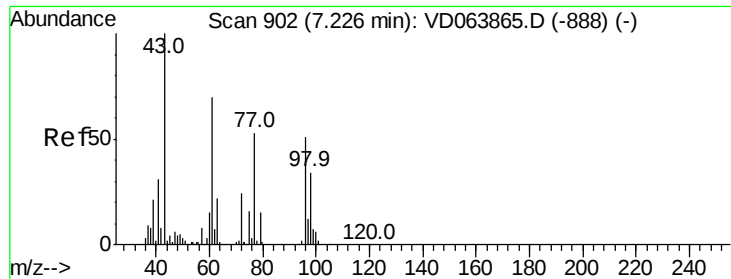
Ion Ratio Lower Upper

63 100

98 9.9 3.1 9.4#

100 4.6 3.0 9.2





#25

2-Butanone

Concen: 112.169 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 43 Resp: 47672

Ion Ratio Lower Upper

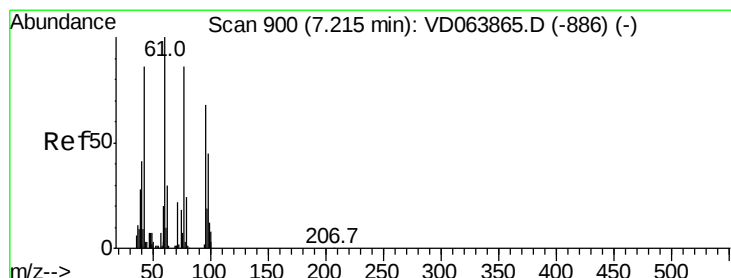
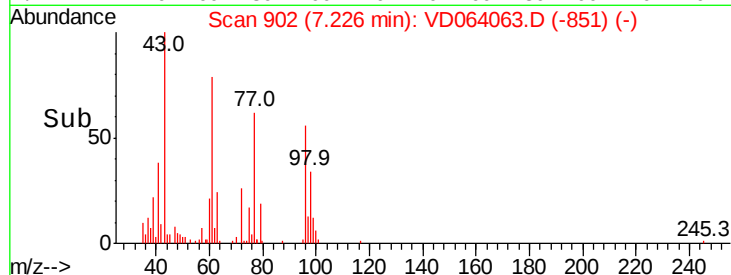
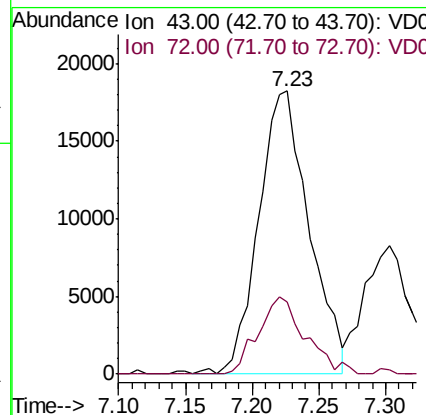
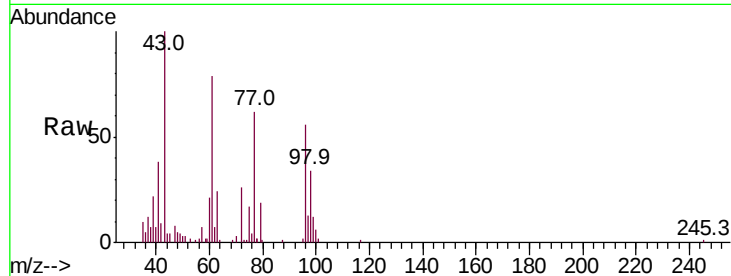
43 100

72 25.6 19.2 28.8

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10/28/2019 12:39:22 PM



#26

2,2-Dichloropropane

Concen: 21.574 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064063.D

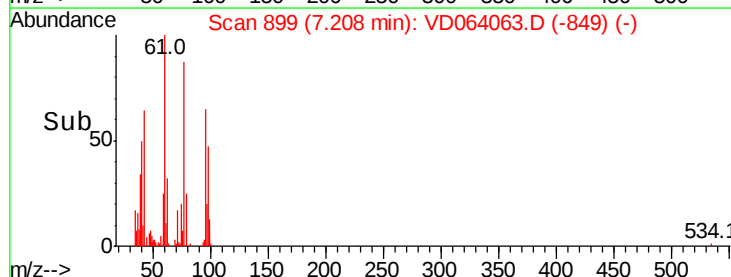
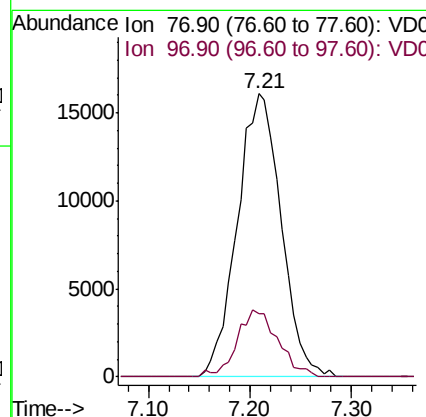
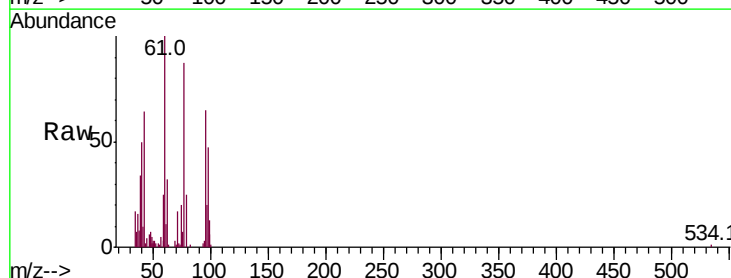
Acq: 25 Oct 2019 14:13

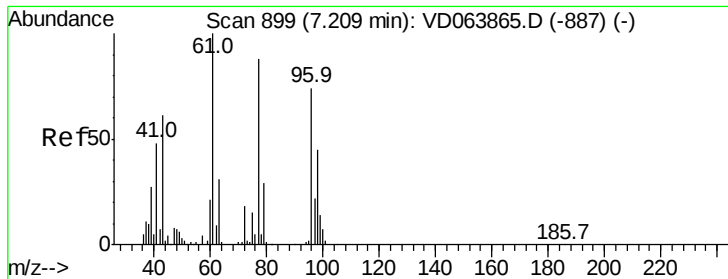
Tgt Ion: 77 Resp: 48398

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.1





#27

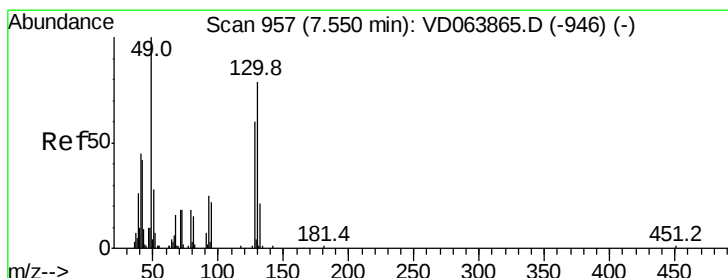
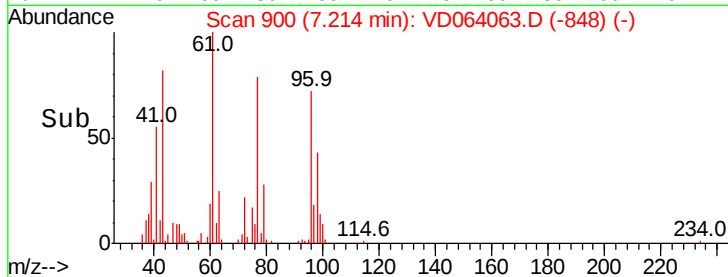
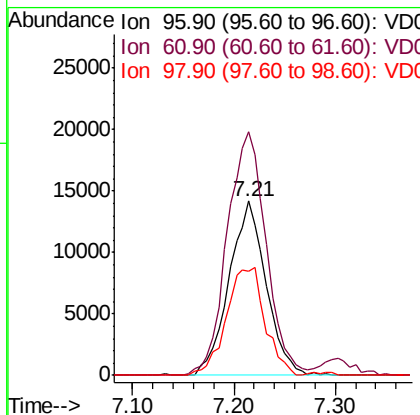
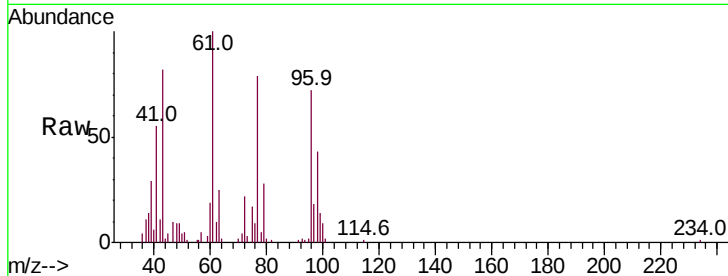
cis-1,2-Dichloroethene
 Concen: 21.449 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	280.0
98	64.6	0.0	130.4

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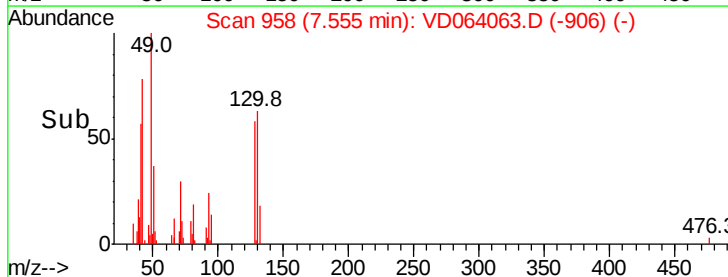
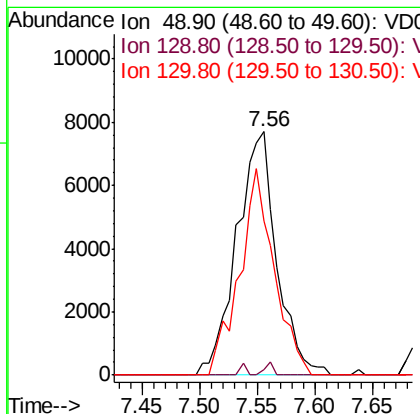
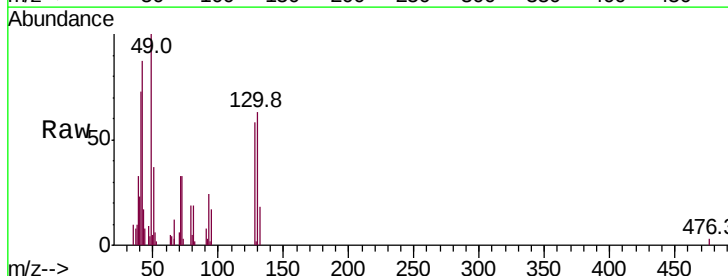
MMDadoda
 10/28/2019 12:39:22 PM

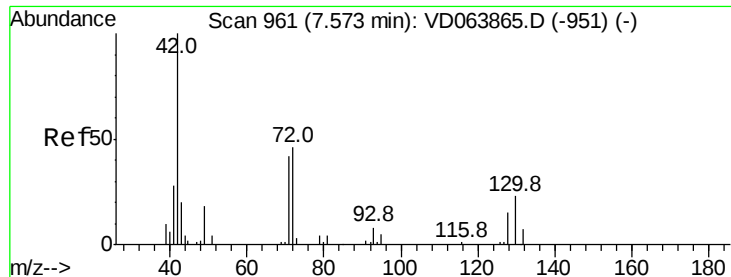


#28

Bromochloromethane
 Concen: 20.742 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	5.6
130	73.5	66.8	100.2





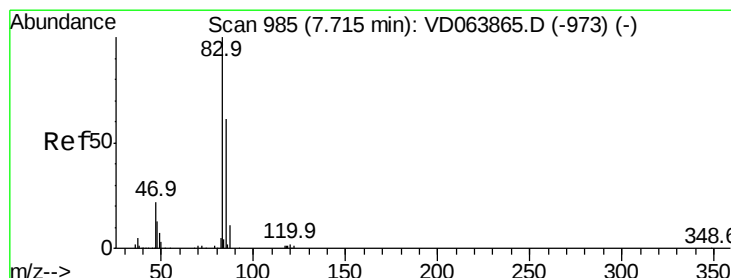
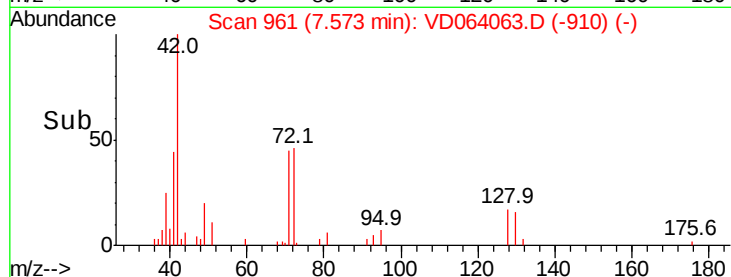
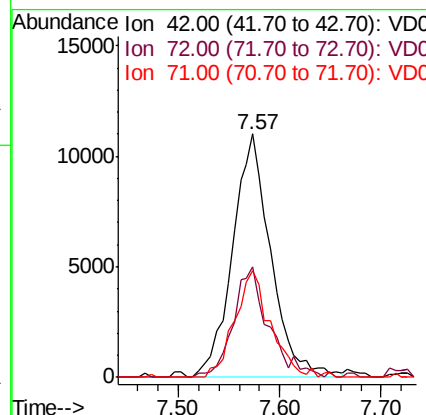
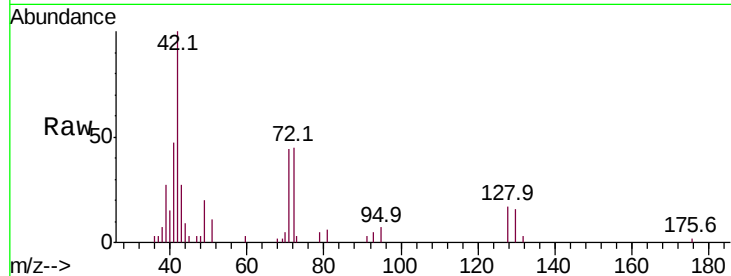
#29
Tetrahydrofuran
Concen: 116.368 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	37.6	56.4
71	40.3	35.0	52.6

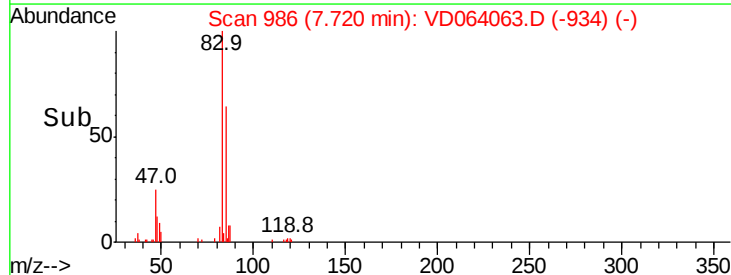
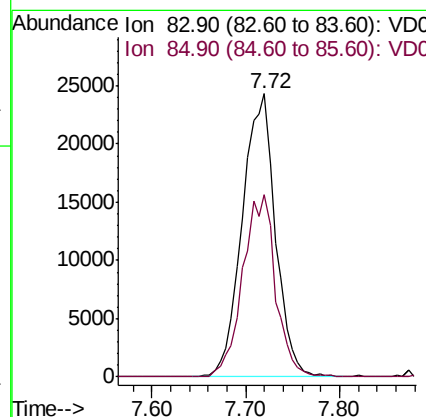
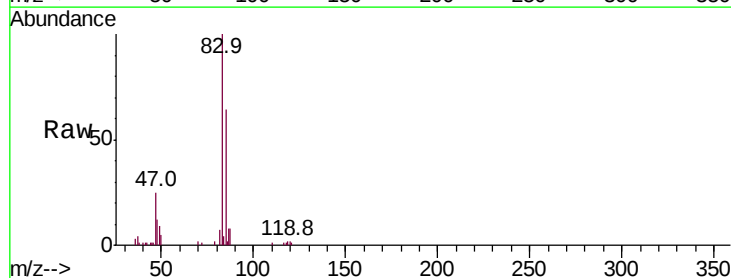
Manual Integrations
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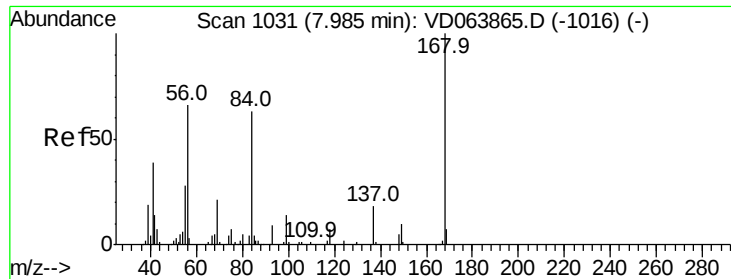
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#30
Chloroform
Concen: 22.043 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	48.9	73.3





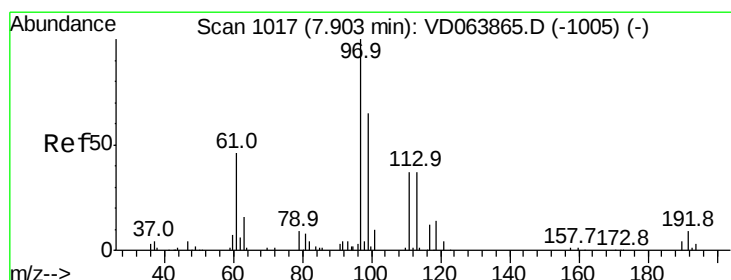
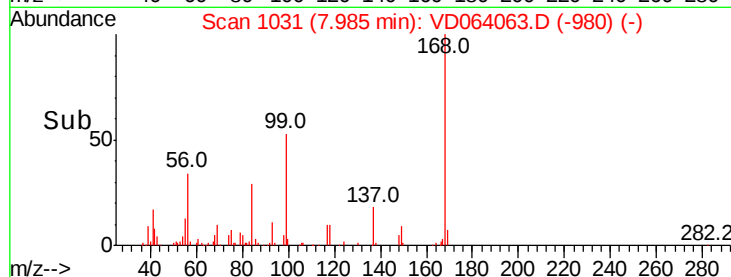
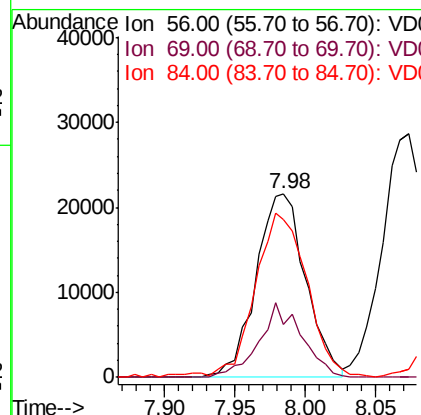
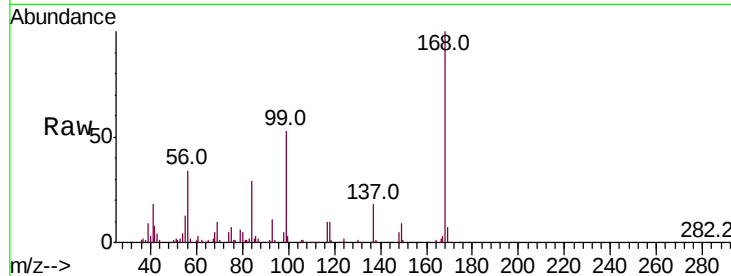
#31
Cvclohexane
Concen: 23.943 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	25.0	37.4
84	83.2	76.3	114.5

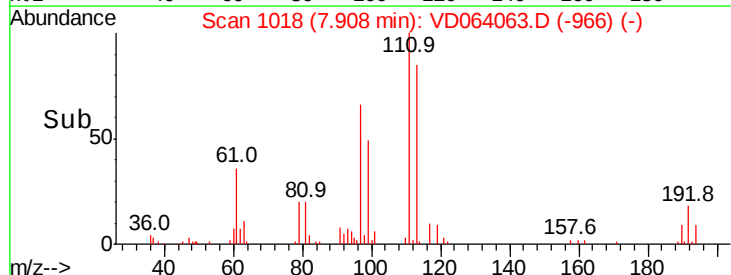
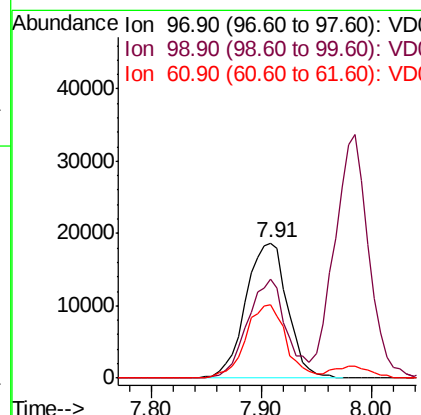
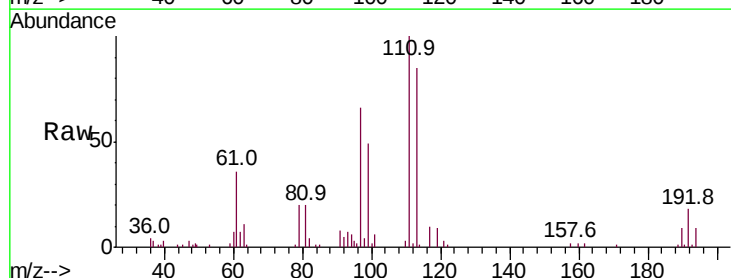
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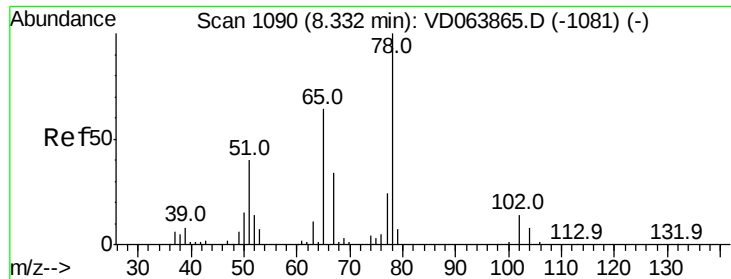
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#32
1,1,1-Trichloroethane
Concen: 21.481 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.5	52.4	78.6
61	52.4	33.8	50.8#





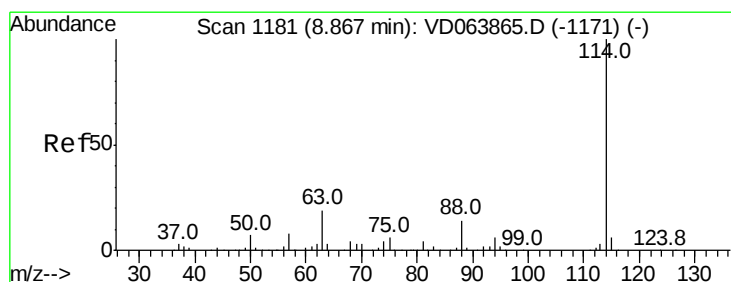
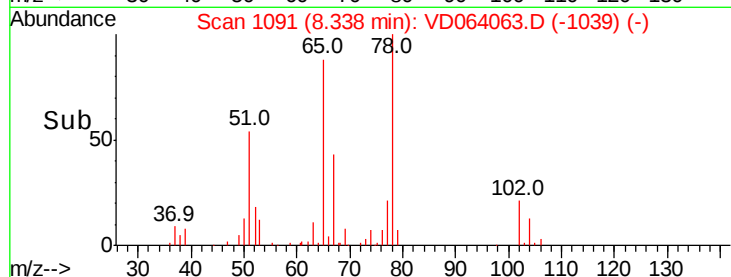
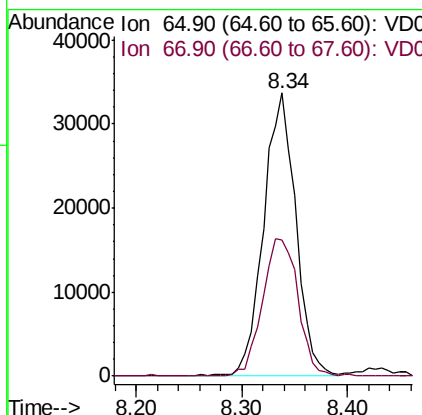
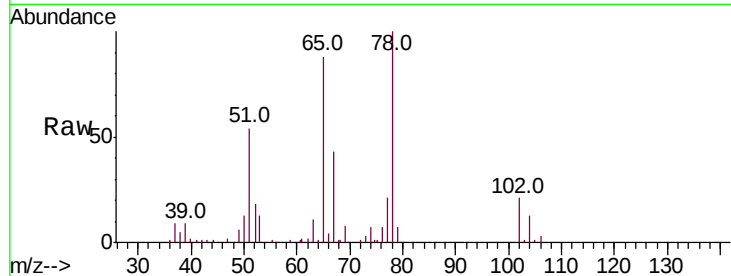
#33
 1,2-Dichloroethane-d4
 Concen: 51.601 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion: 65 Resp: 71077
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.4

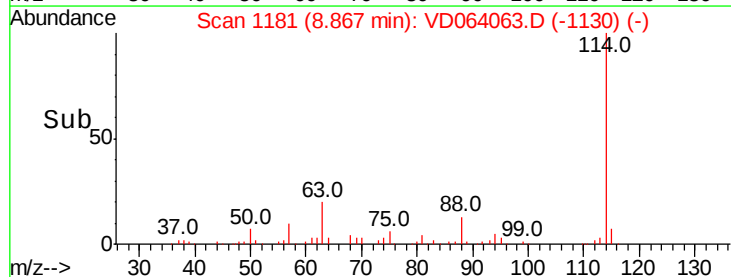
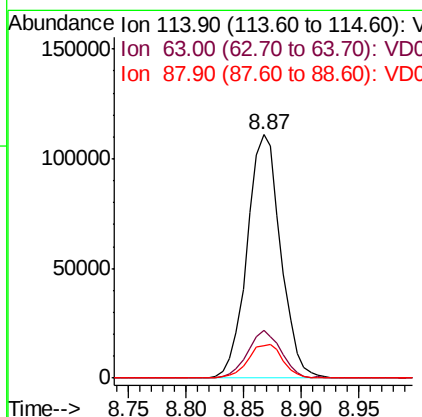
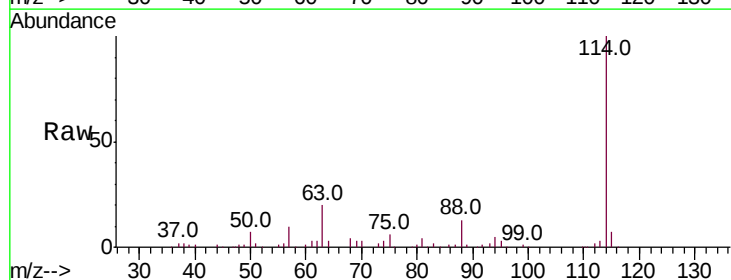
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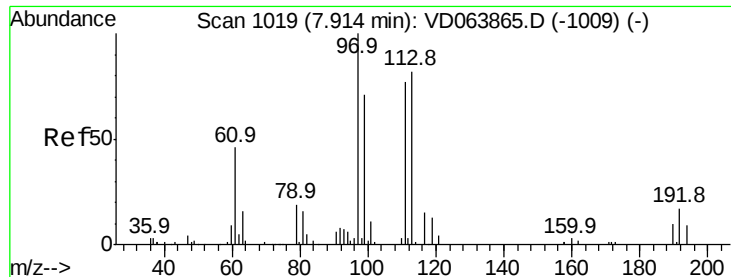
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Tgt Ion: 114 Resp: 225002
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.4
 88 13.4 0.0 27.4





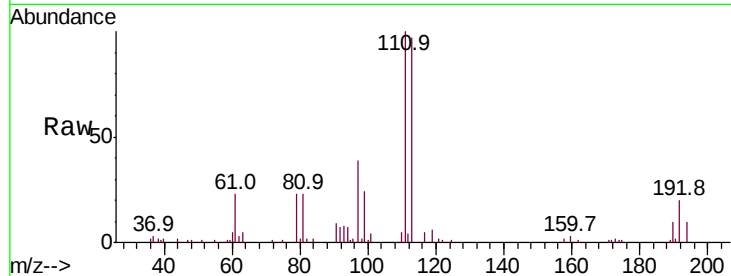
#35
 Dibromofluoromethane
 Concen: 53.327 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	21.3	17.1	25.7

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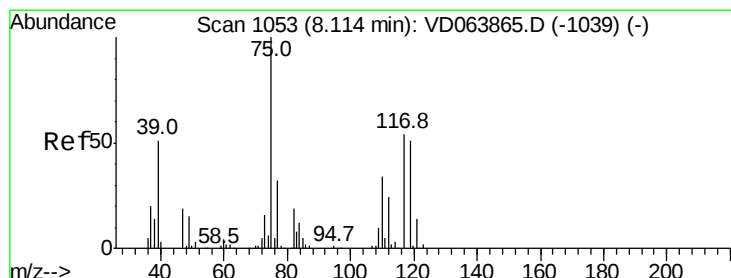
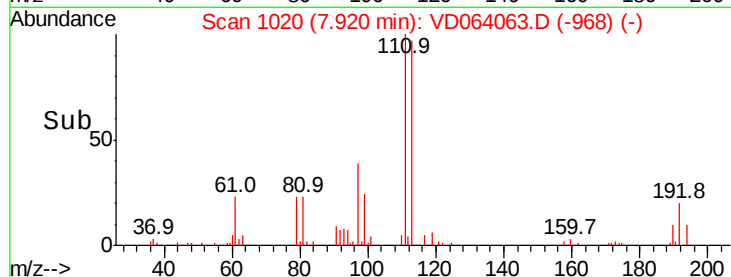
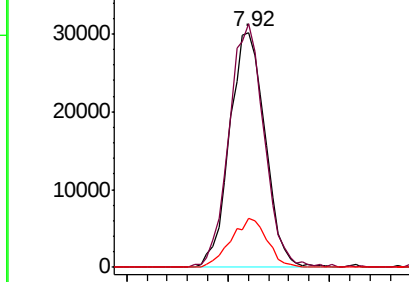


Abundance

Ion 112.80 (112.50 to 113.50): V

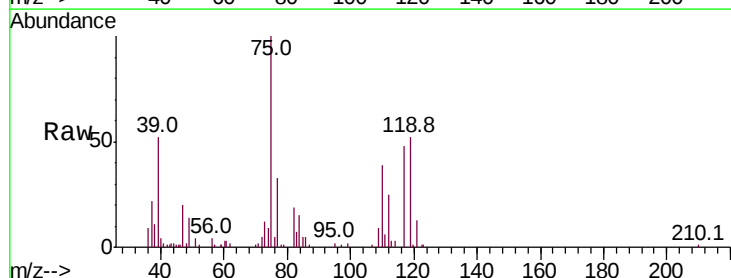
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 24.267 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	17.4	52.3
77	30.1	25.4	38.0

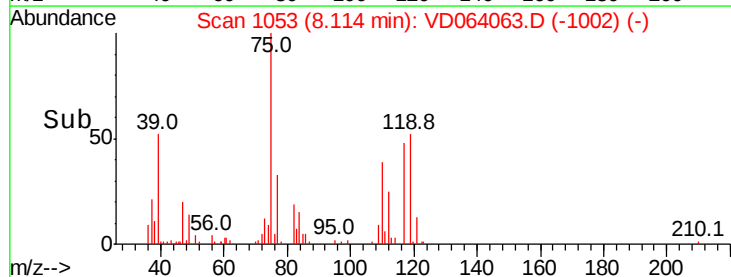
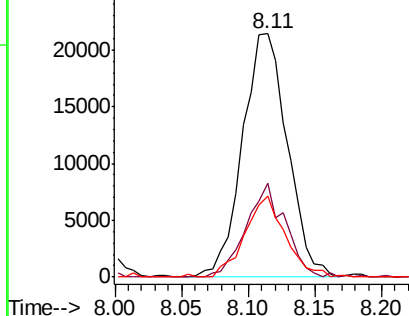


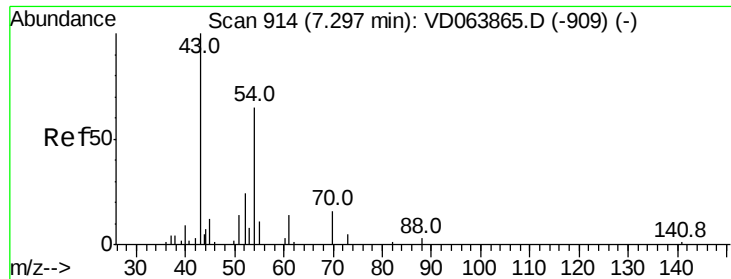
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





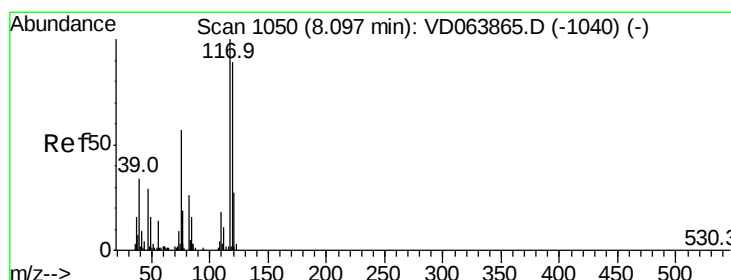
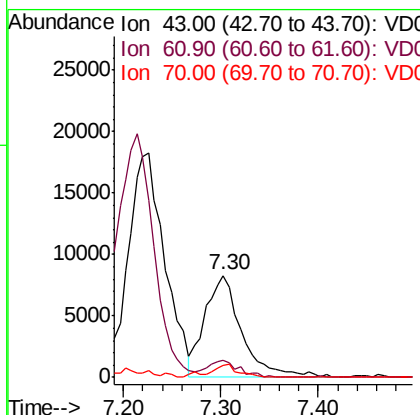
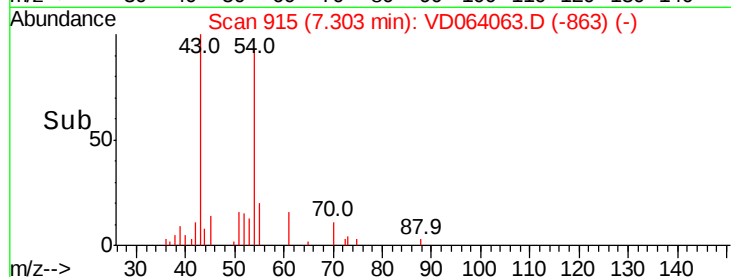
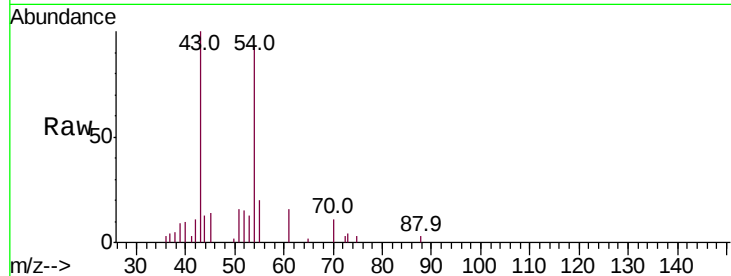
#37
Ethyl Acetate
Concen: 24.240 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	8.1	8.2	12.4

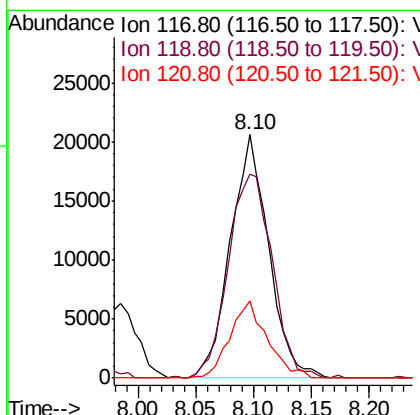
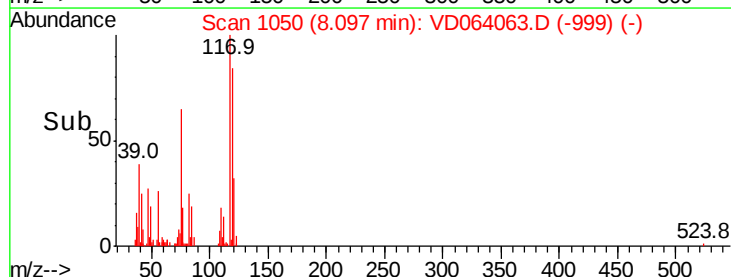
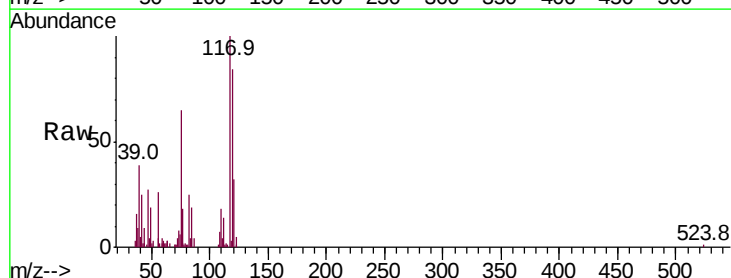
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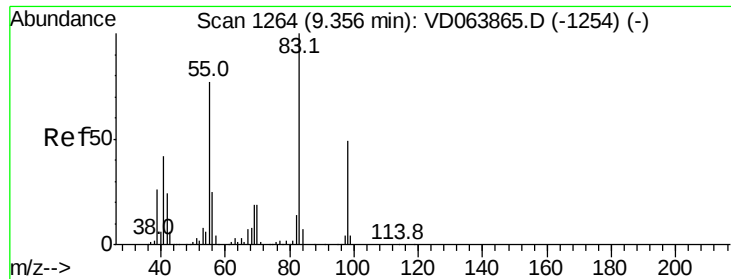
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#38
Carbon Tetrachloride
Concen: 22.876 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	83.9	70.8	106.2
121	31.7	21.4	32.0





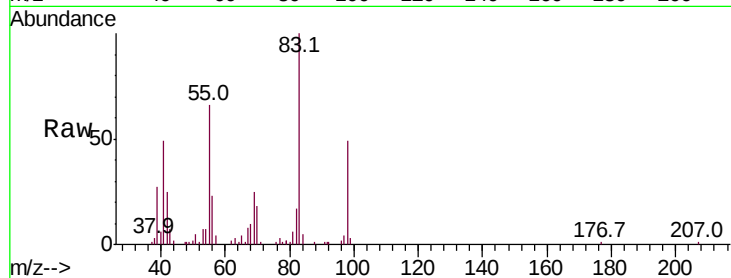
#39
Methvlcvclohexane
Concen: 23.539 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

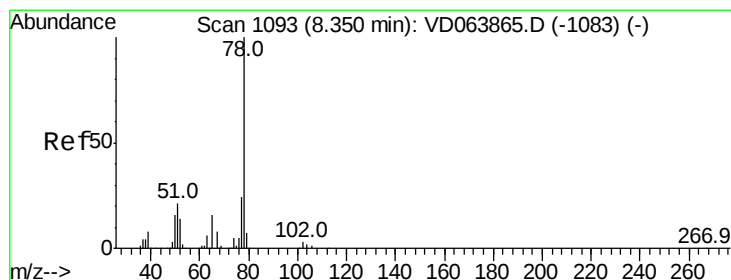
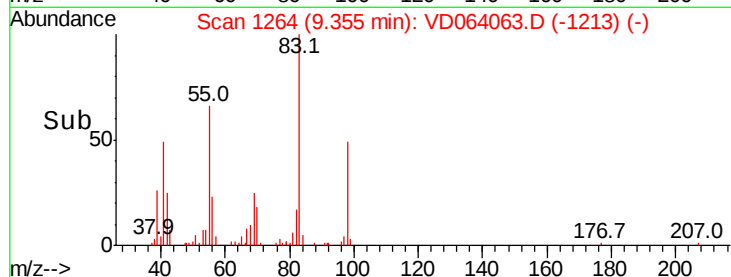
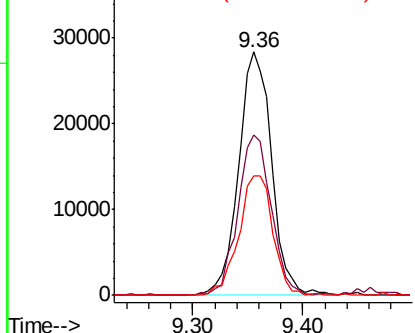
Tot Ion	Ratio	Lower	Upper
83	100		
55	65.9	61.3	91.9
98	48.8	39.3	58.9

Manual Integrations
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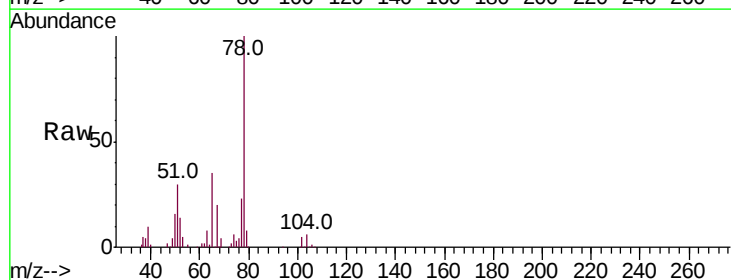


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

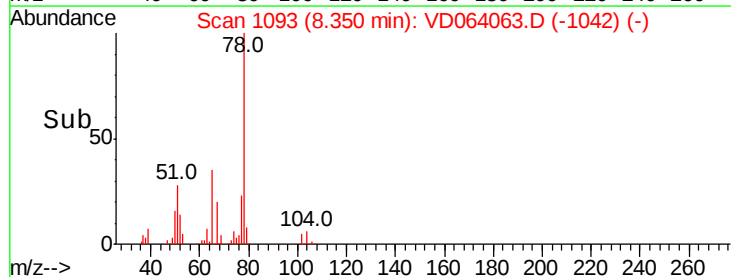
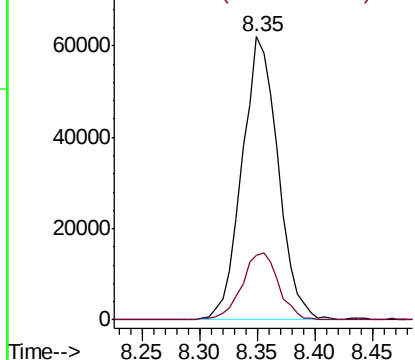


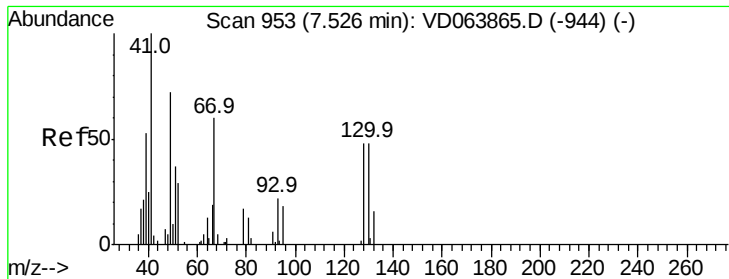
#40
Benzene
Concen: 22.864 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.6



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 19.406 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 41 Resp: 9256

Ion Ratio Lower Upper

41 100

39 68.2 52.6 78.8

67 87.7 74.2 111.2

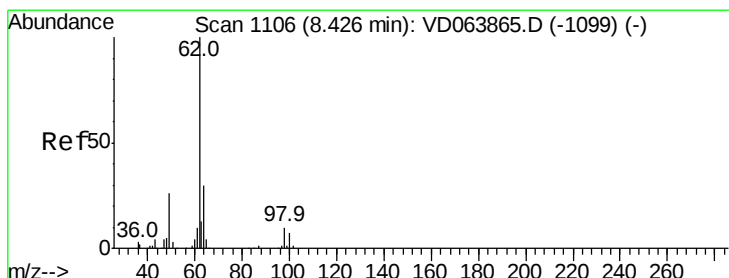
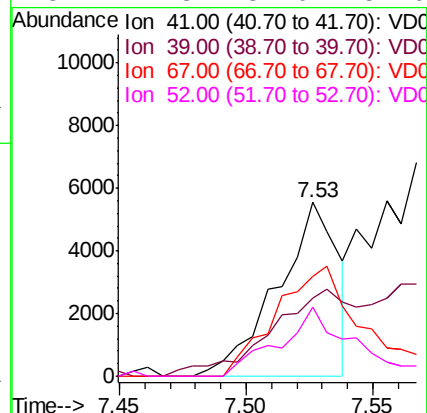
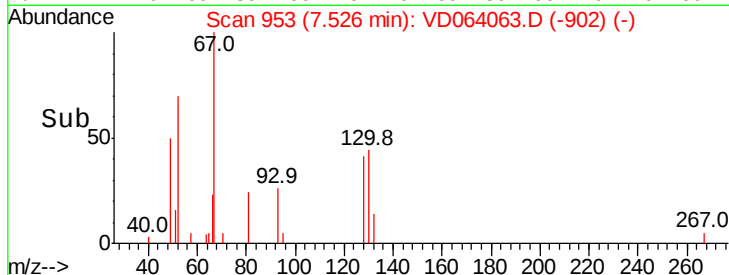
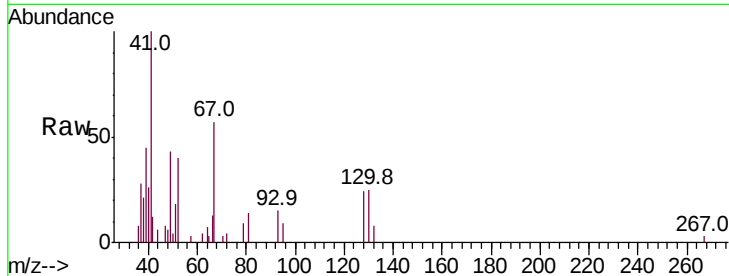
52 47.3 34.0 51.0

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#42

1,2-Dichloroethane

Concen: 22.347 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064063.D

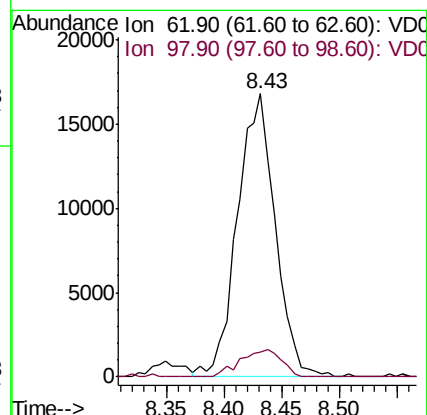
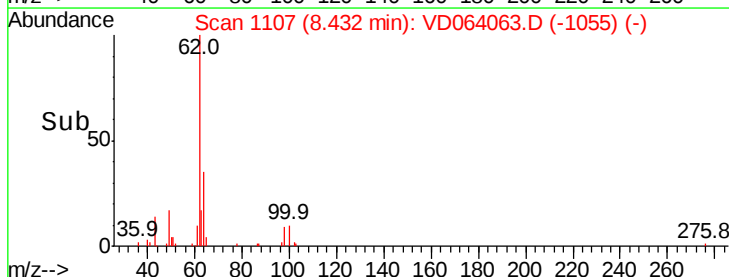
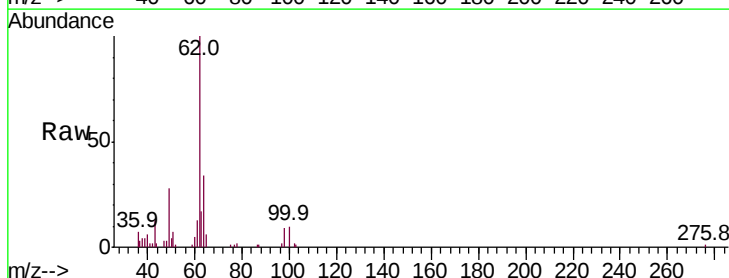
Acq: 25 Oct 2019 14:13

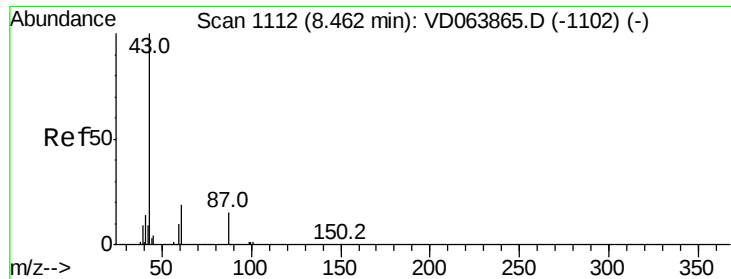
Tgt Ion: 62 Resp: 38110

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.0





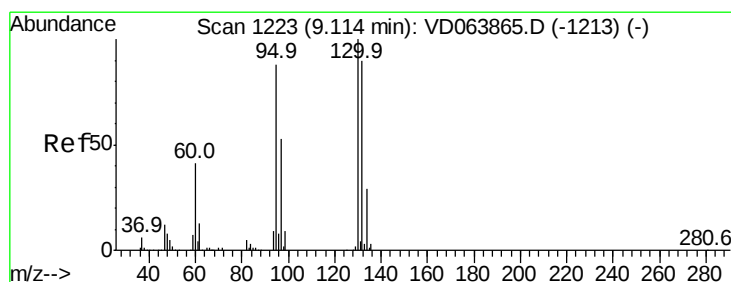
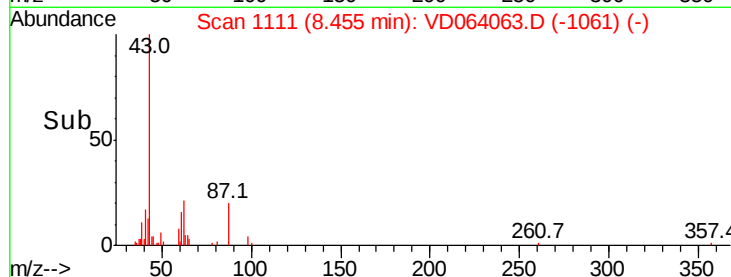
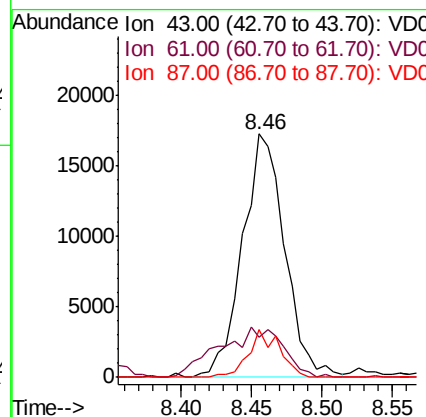
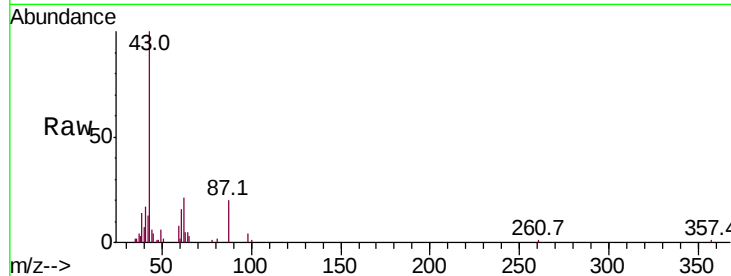
#43
Isopropyl Acetate
Concen: 20.996 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.1	25.7	38.5
87	14.5	11.6	17.4

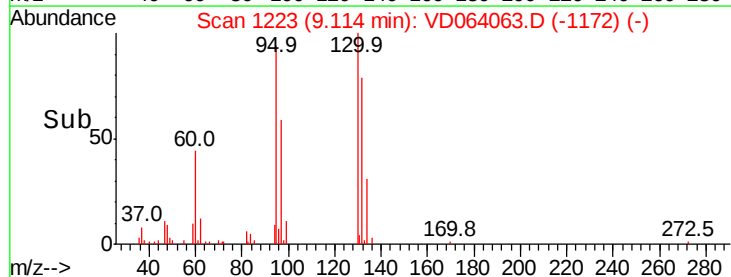
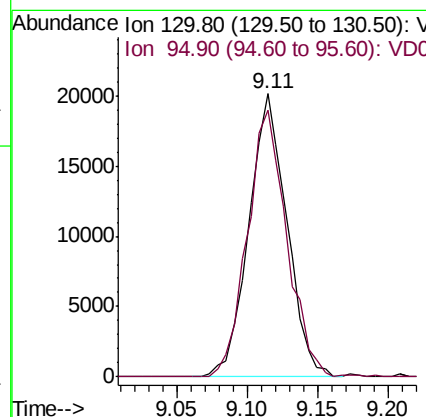
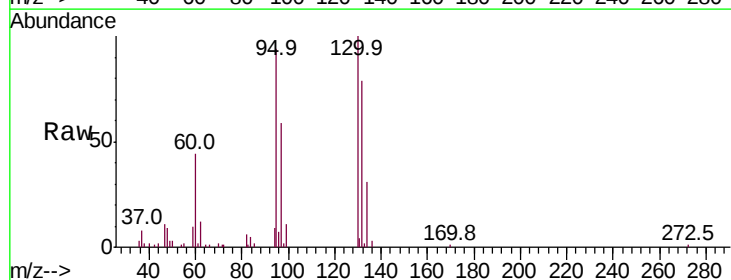
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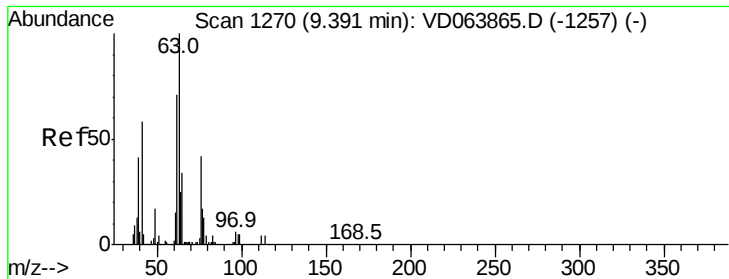
MMDadoda
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#44
Trichloroethene
Concen: 22.293 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	175.6





#45

1,2-Dichloropropane

Concen: 22.682 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 63 Resp: 32730

Ion Ratio Lower Upper

63 100

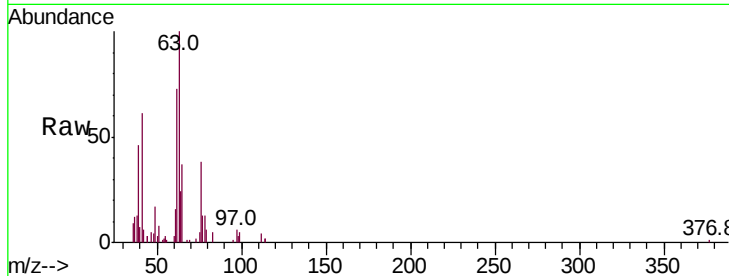
65 34.8 27.3 40.9

Manual Integrations

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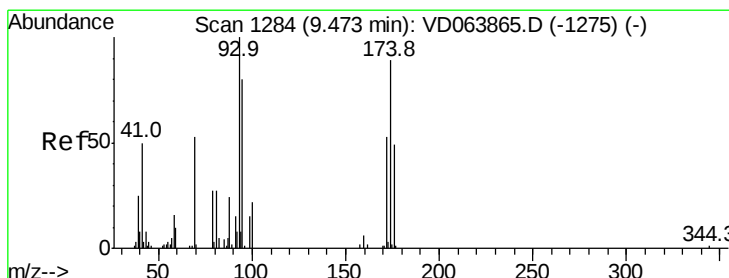
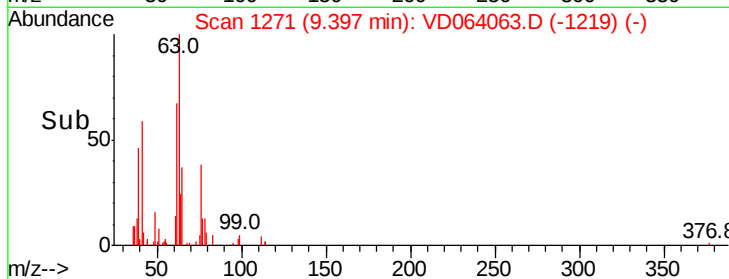
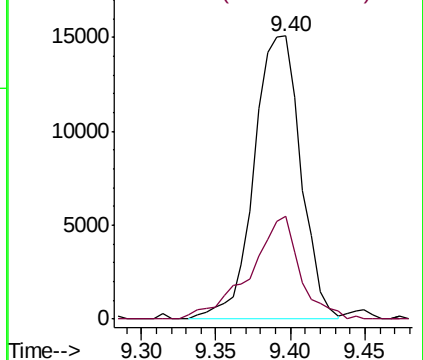
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 22.087 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

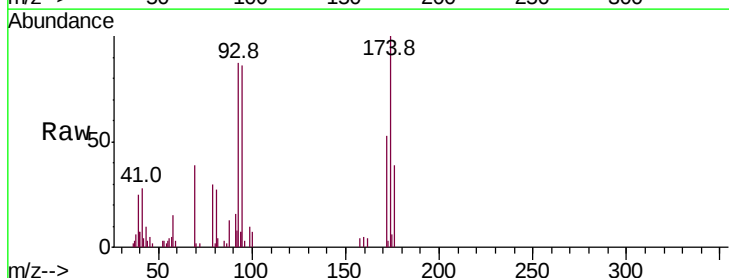
Tgt Ion: 93 Resp: 18151

Ion Ratio Lower Upper

93 100

95 87.6 66.0 99.0

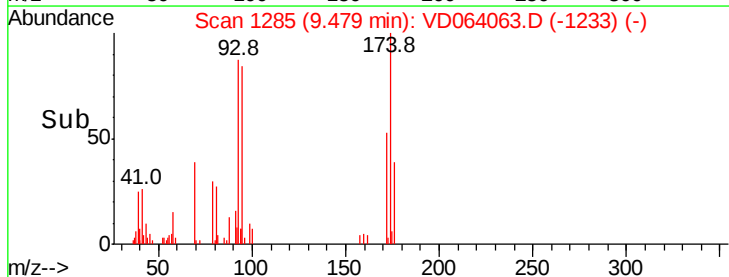
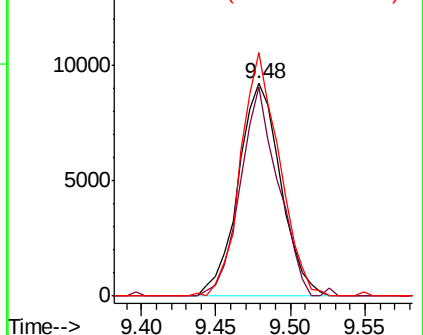
174 104.8 83.4 125.0

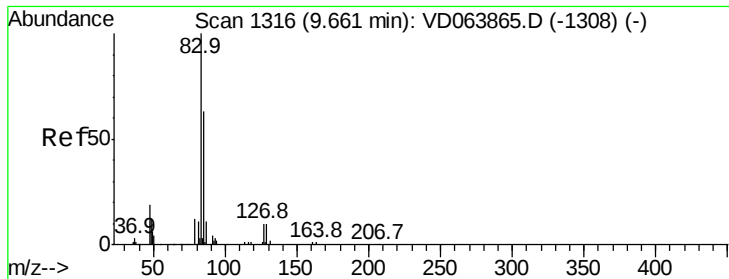


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 21.139 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

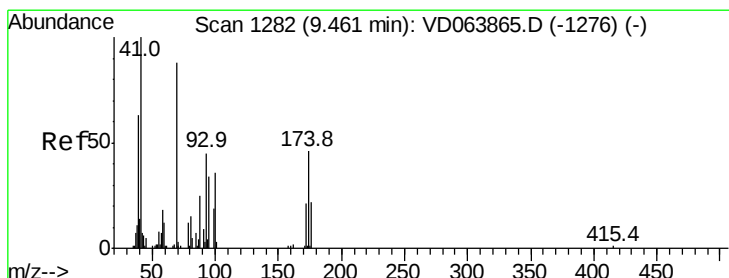
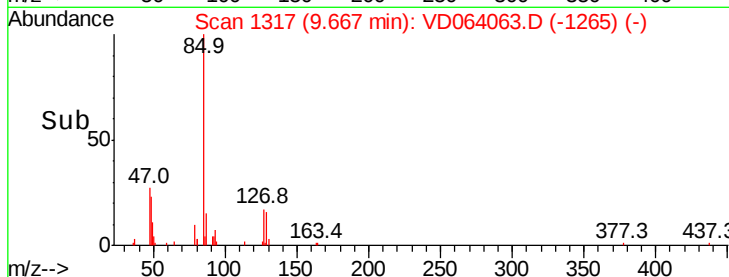
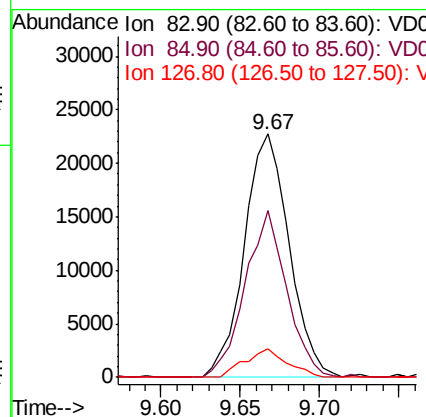
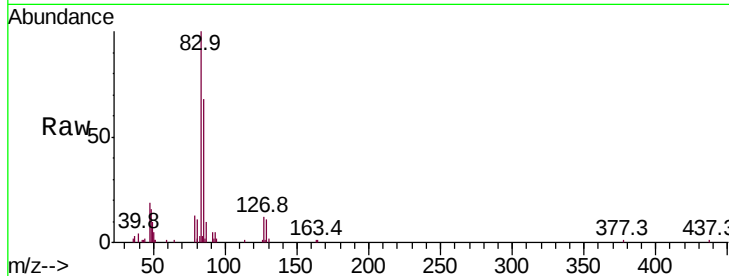
ClientSampleId :

VD1025SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	68.4	50.2	75.2
127	11.7	7.6	11.4

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#48

Methyl methacrylate

Concen: 19.452 ug/l

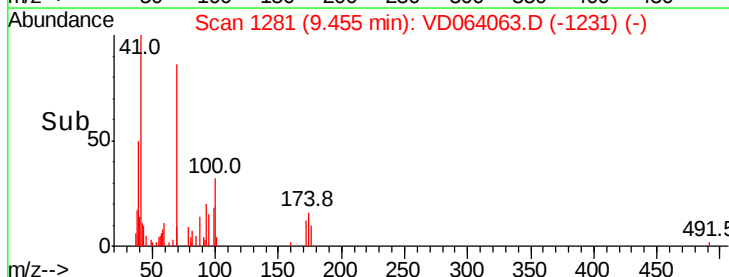
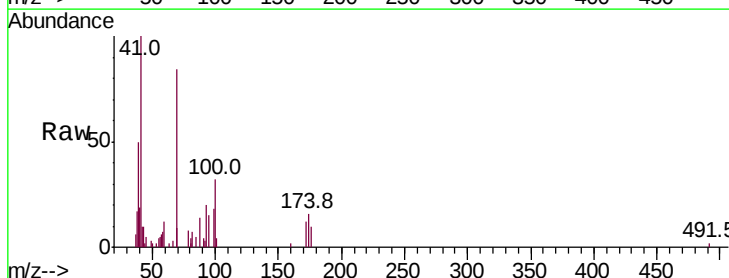
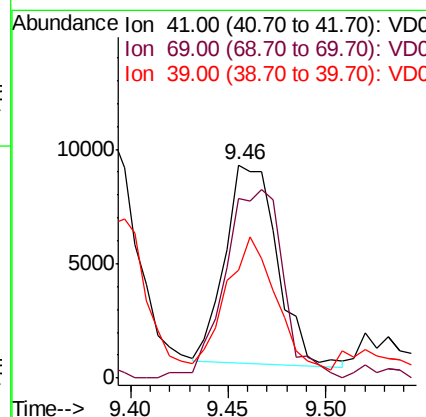
RT: 9.46 min Scan# 1281

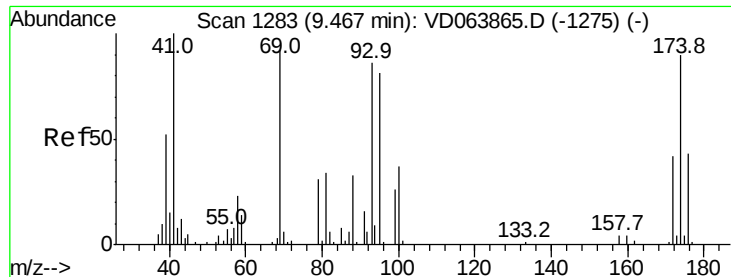
Delta R.T. -0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
41	100		
69	105.6	75.1	112.7
39	63.0	50.2	75.2





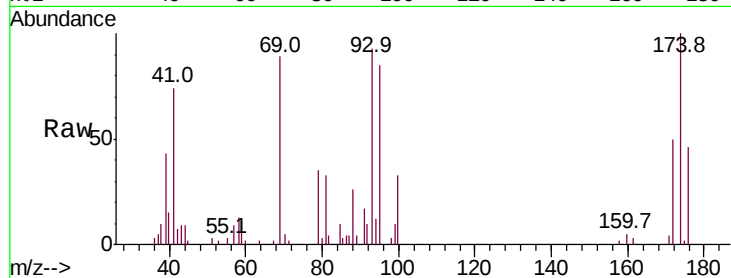
#49
1,4-Dioxane
Concen: 439.219 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

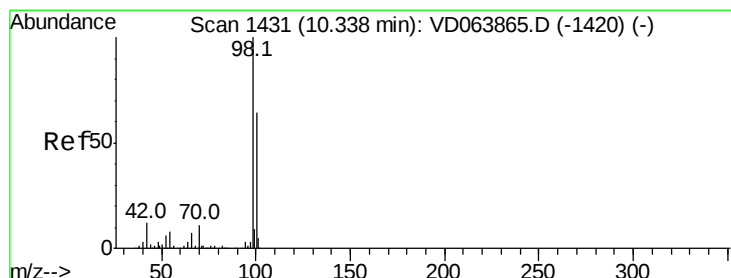
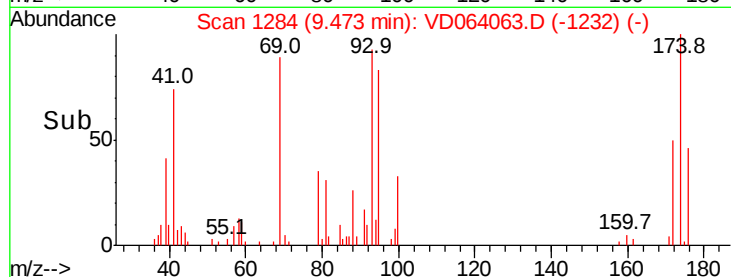
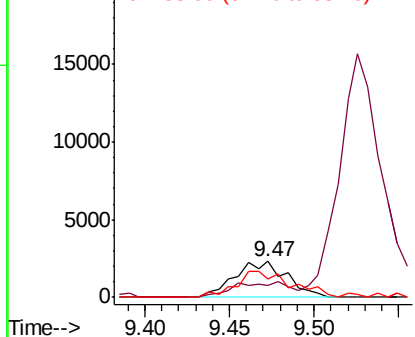
Tot Ion	Ratio	Lower	Upper
88	100		
43	45.2	27.6	41.4#
58	77.0	54.1	81.1

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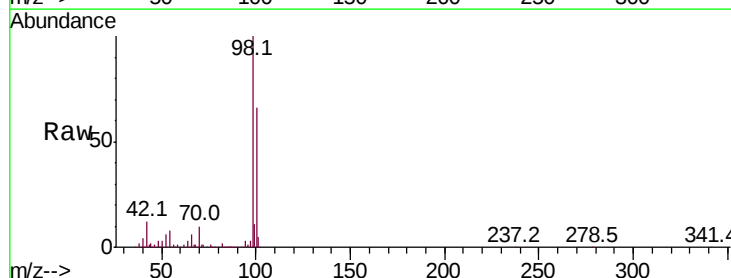


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

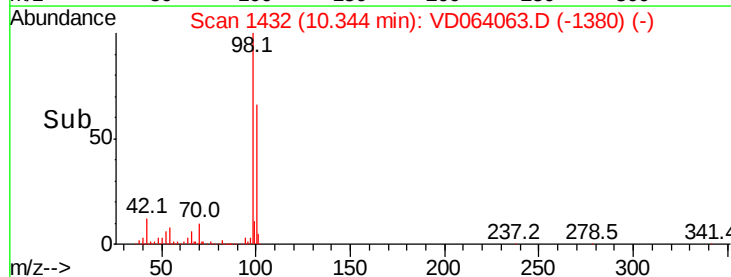
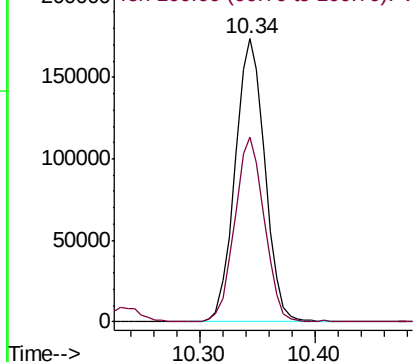


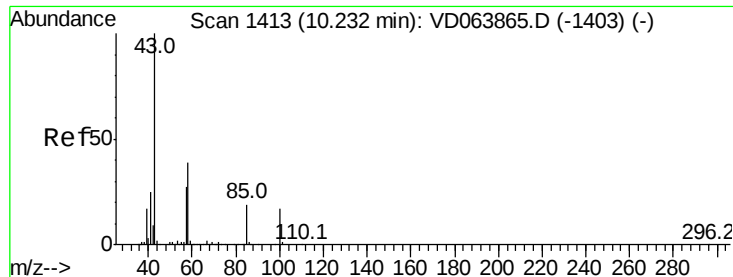
#50
Toluene-d8
Concen: 55.411 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1



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





#51

4-Methyl-2-Pentanone

Concen: 109.043 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 43 Resp: 97568

Ion Ratio Lower Upper

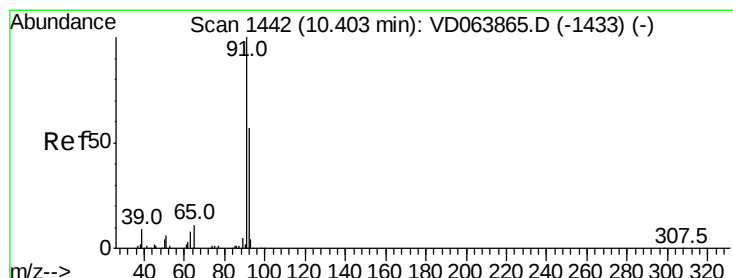
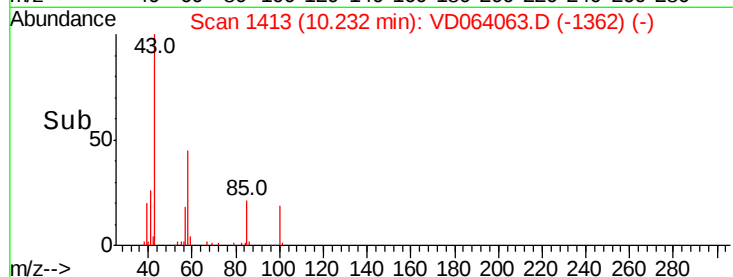
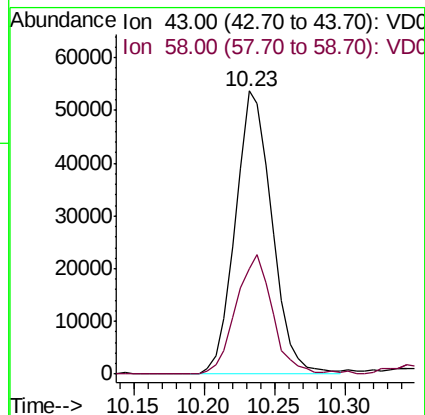
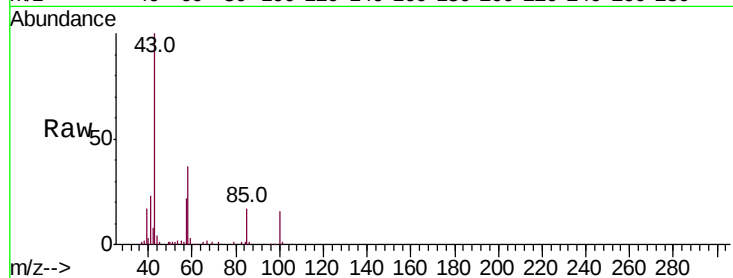
43 100

58 41.9 33.0 49.4

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#52

Toluene

Concen: 23.410 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064063.D

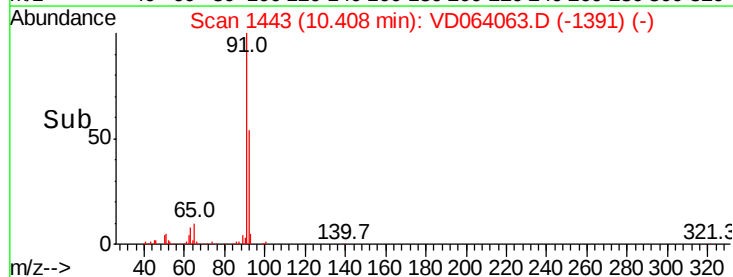
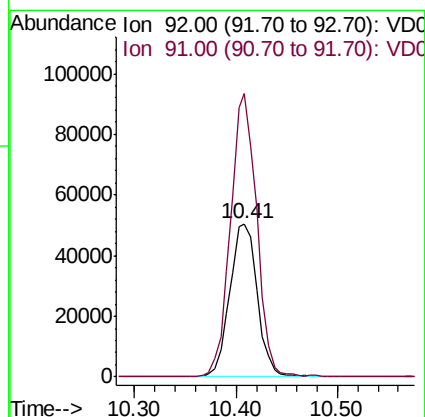
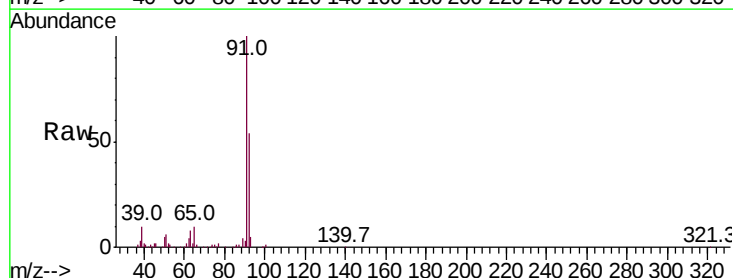
Acq: 25 Oct 2019 14:13

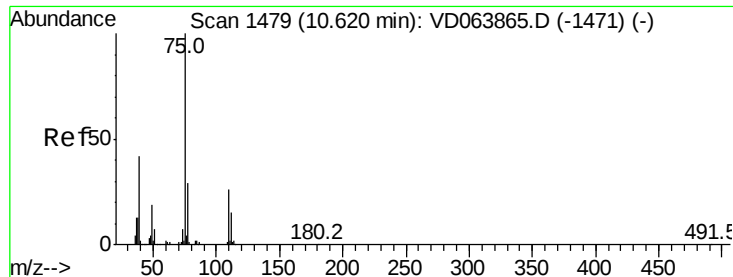
Tgt Ion: 92 Resp: 94741

Ion Ratio Lower Upper

92 100

91 176.0 139.5 209.3





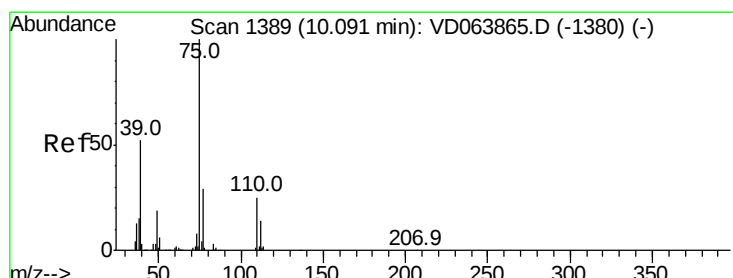
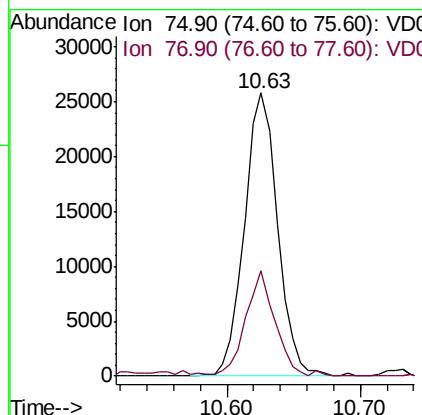
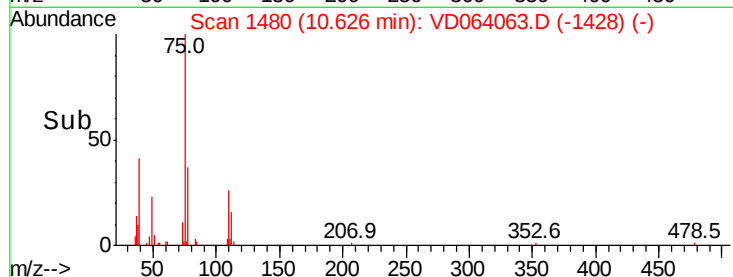
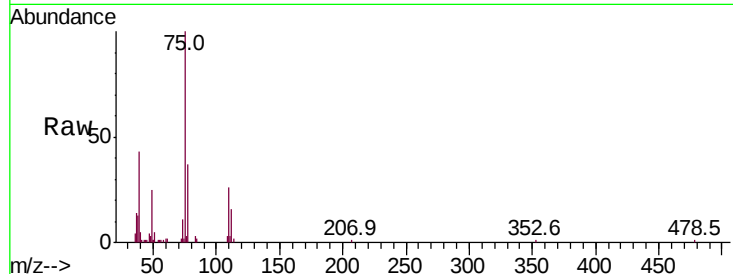
#53
t-1,3-Dichloropropene
Concen: 21.427 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion: 75 Resp: 44240
Ion Ratio Lower Upper
75 100
77 37.2 22.8 34.2#

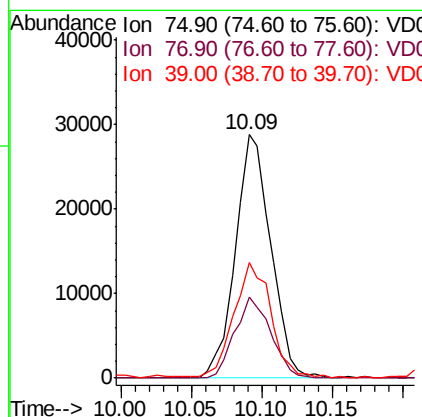
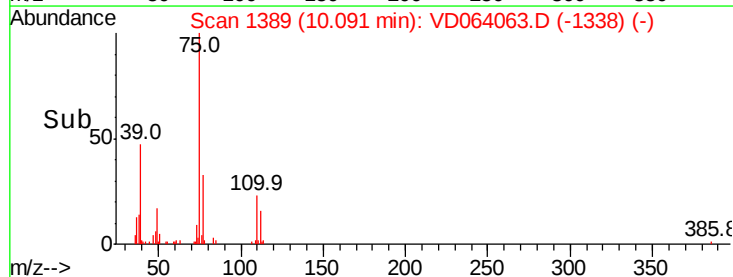
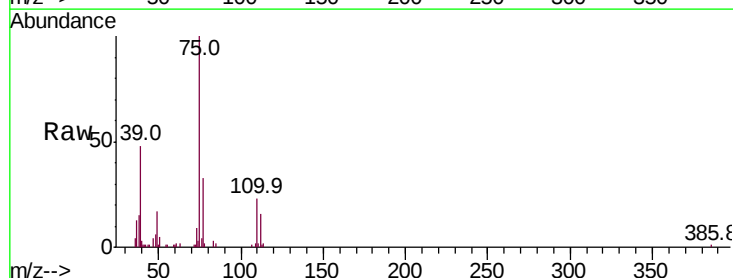
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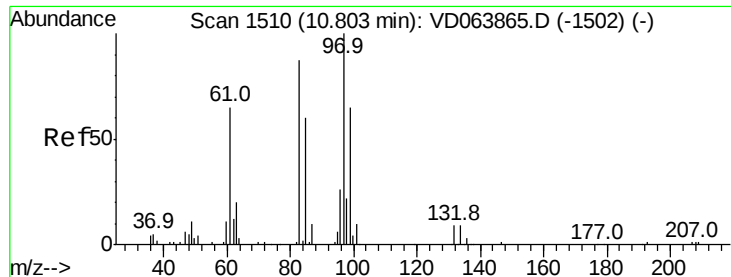
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#54
cis-1,3-Dichloropropene
Concen: 21.241 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion: 75 Resp: 50483
Ion Ratio Lower Upper
75 100
77 33.4 23.2 34.8
39 46.9 41.5 62.3





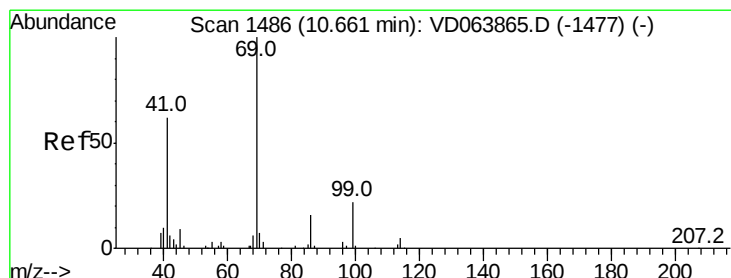
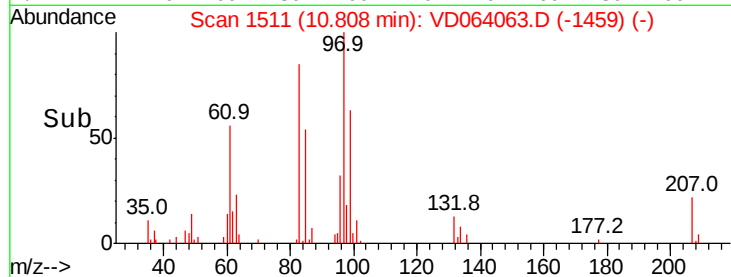
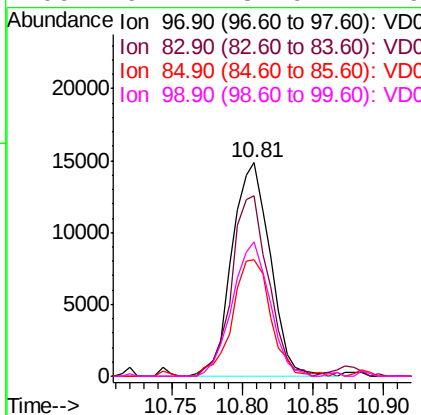
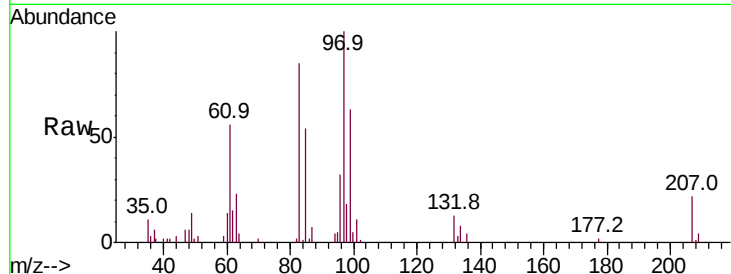
#55
1,1,2-Trichloroethane
Concen: 24.323 ug/l
RT: 10.81 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.7	104.5
85	54.4	48.1	72.1
99	62.7	51.9	77.9

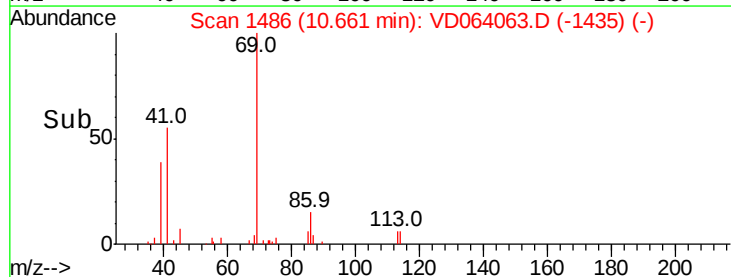
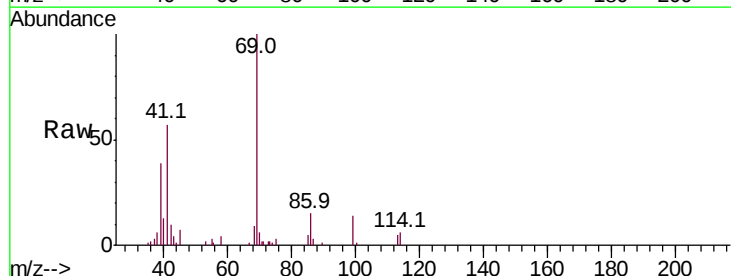
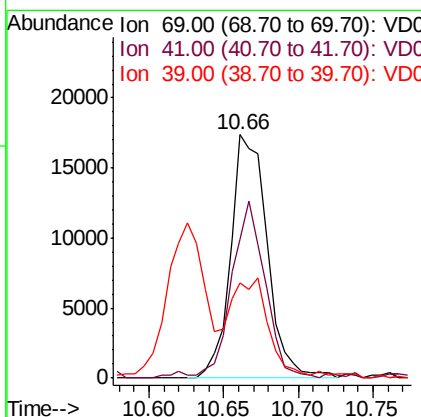
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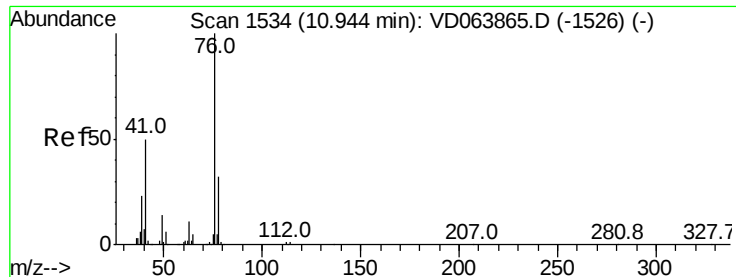
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#56
Ethyl methacrylate
Concen: 20.205 ug/l
RT: 10.66 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.9	51.3	76.9
39	38.1	28.0	42.0





#57

1,3-Dichloropropane

Concen: 24.169 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 76 Resp: 47984

Ion Ratio Lower Upper

76 100

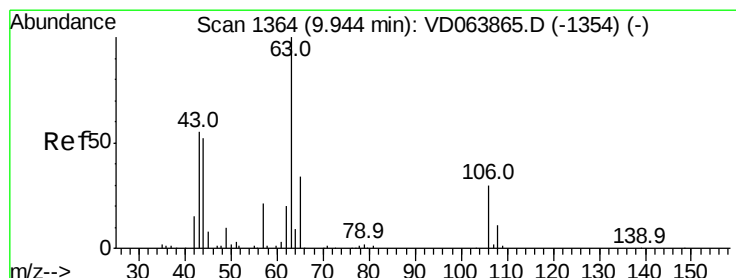
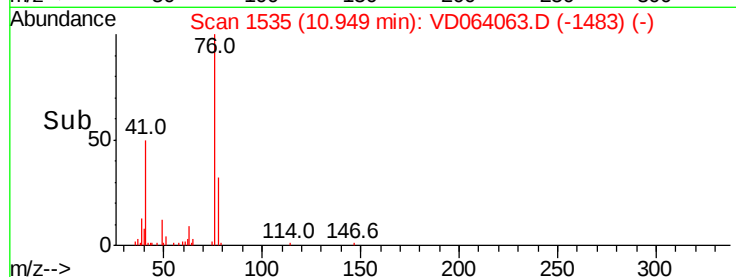
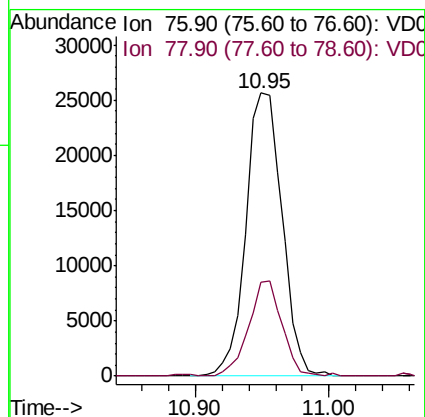
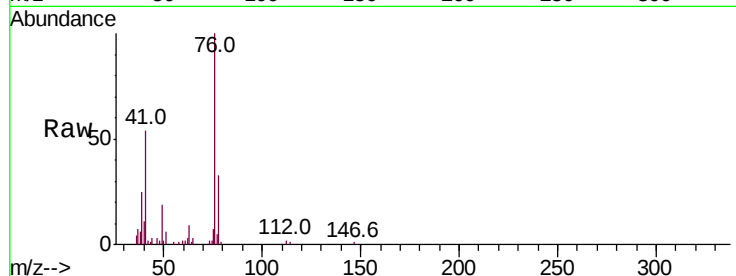
78 30.7 26.6 40.0

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#58

2-Chloroethyl Vinyl ether

Concen: 101.894 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064063.D

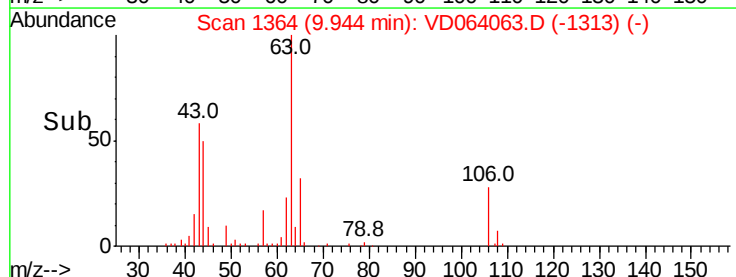
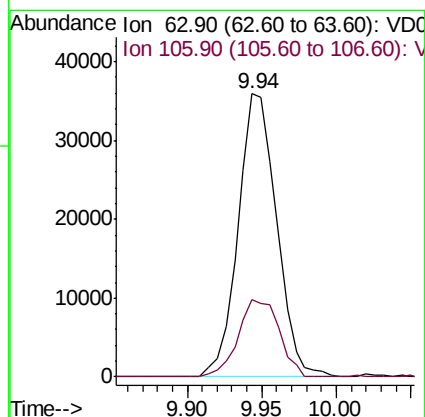
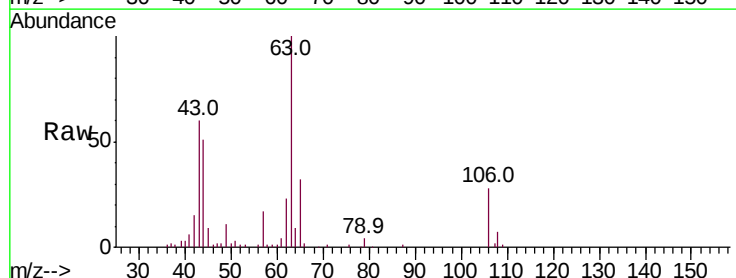
Acq: 25 Oct 2019 14:13

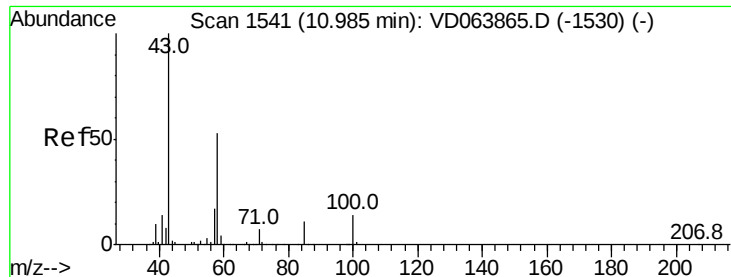
Tgt Ion: 63 Resp: 64358

Ion Ratio Lower Upper

63 100

106 29.0 24.3 36.5





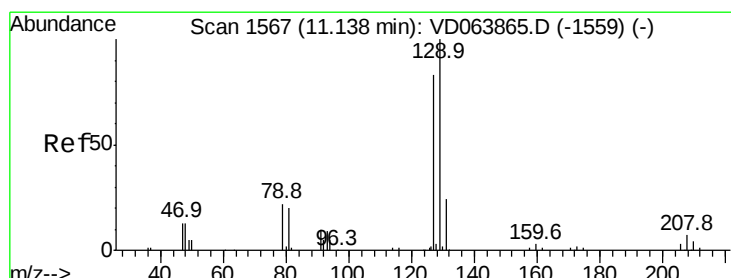
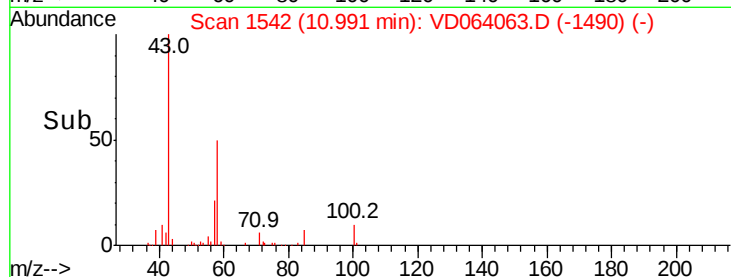
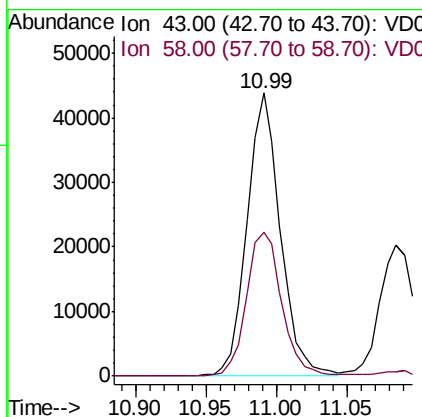
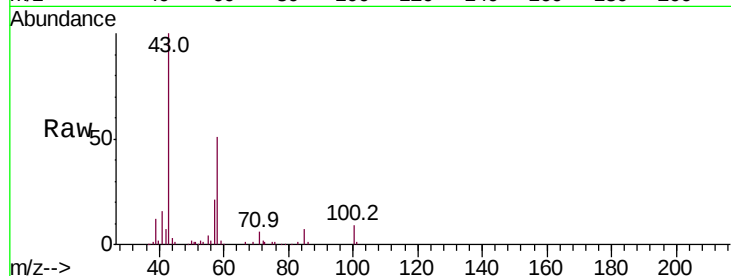
#59
2-Hexanone
Concen: 112.286 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion: 43 Resp: 72677
Ion Ratio Lower Upper
43 100
58 54.2 27.7 83.0

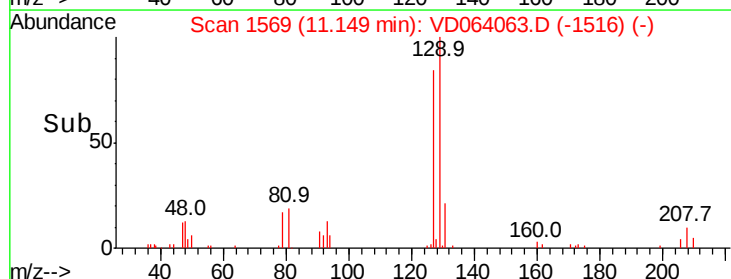
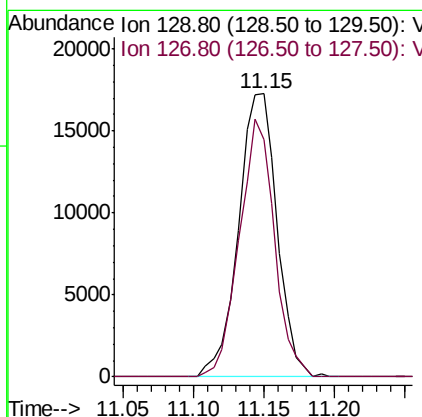
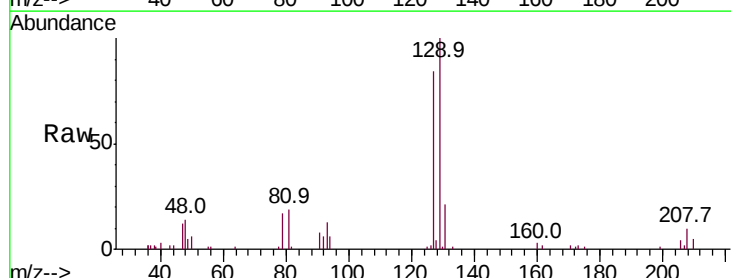
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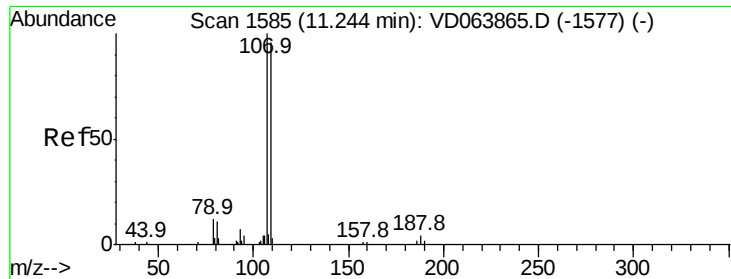
MMDadoda
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#60
Dibromochloromethane
Concen: 21.847 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion: 129 Resp: 33004
Ion Ratio Lower Upper
129 100
127 83.0 39.9 119.6





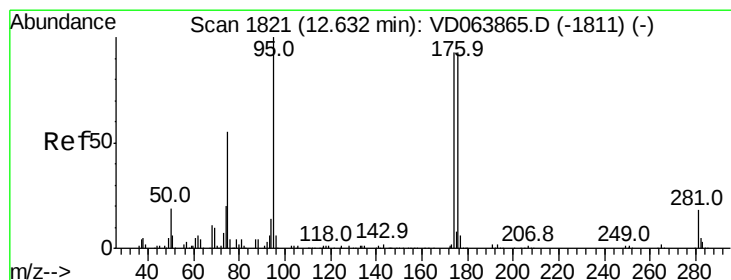
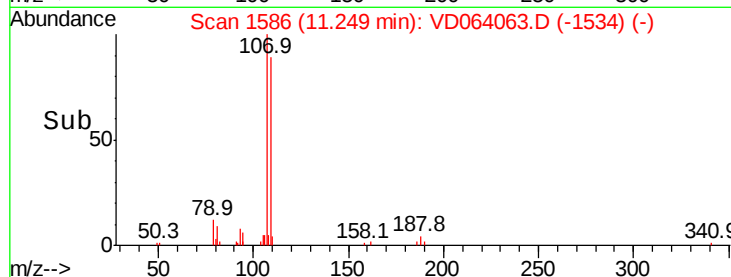
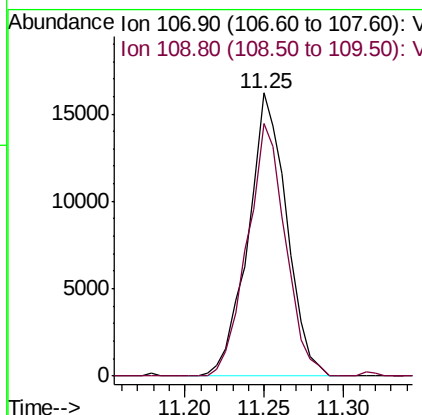
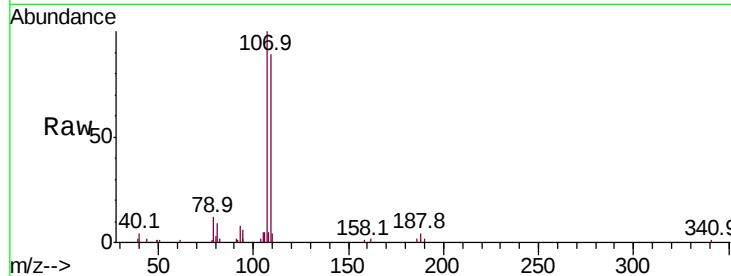
#61
 1,2-Dibromoethane
 Concen: 24.255 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion:107 Resp: 27285
 Ion Ratio Lower Upper
 107 100
 109 88.5 75.2 112.8

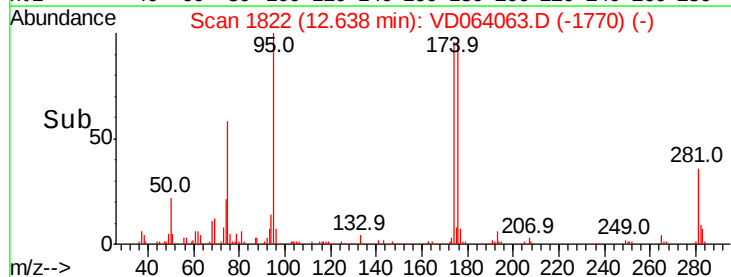
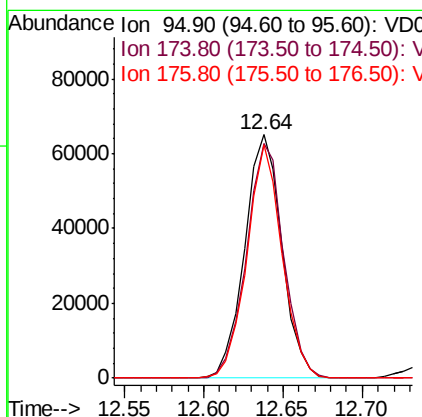
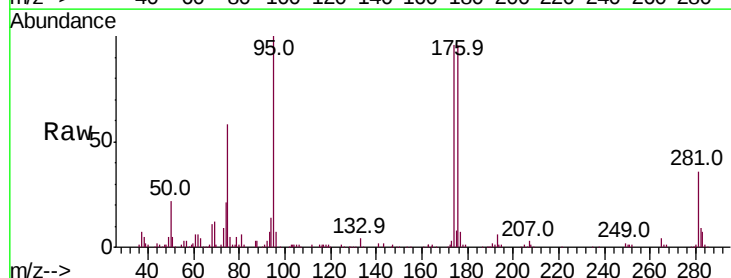
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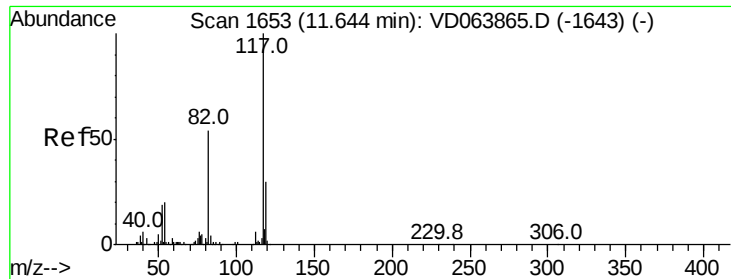
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 54.487 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Tgt Ion: 95 Resp: 105674
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 186.4
 176 91.0 0.0 184.2





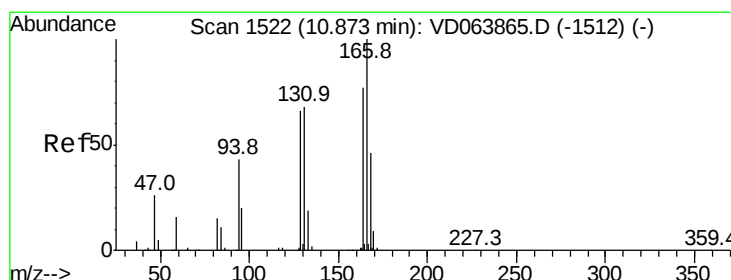
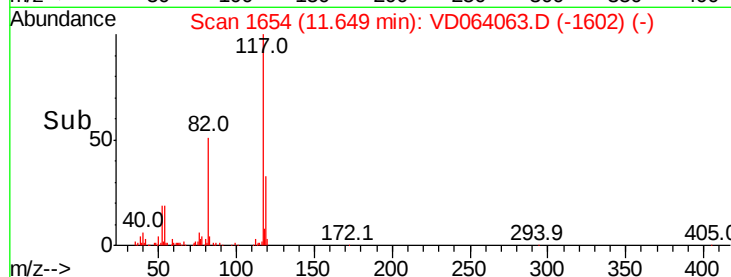
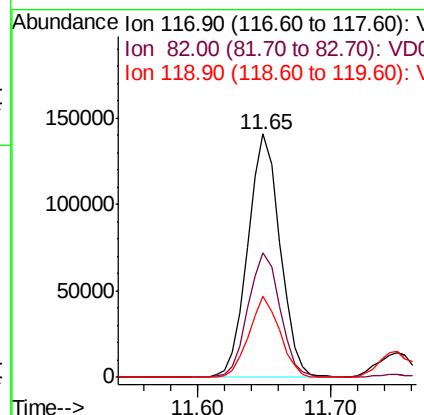
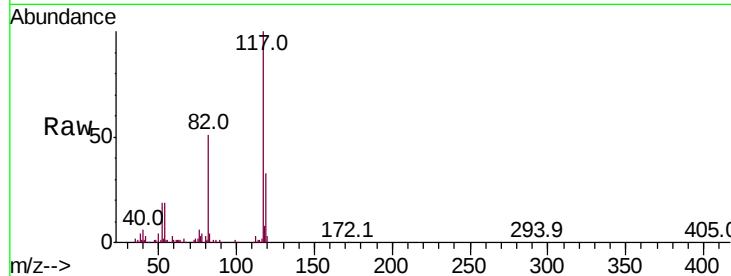
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	51.0	42.8	64.2
119	33.3	24.4	36.6

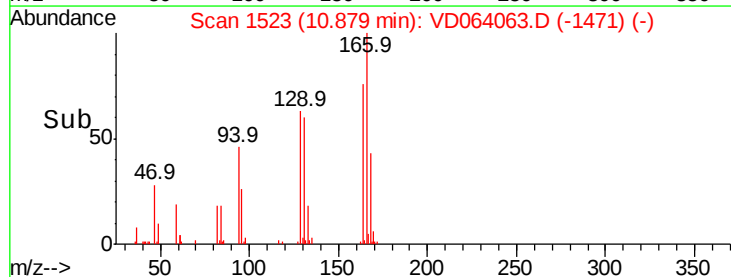
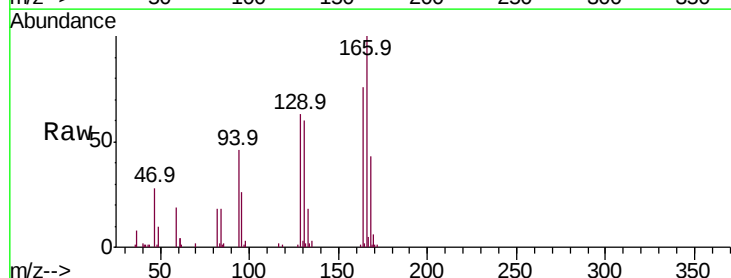
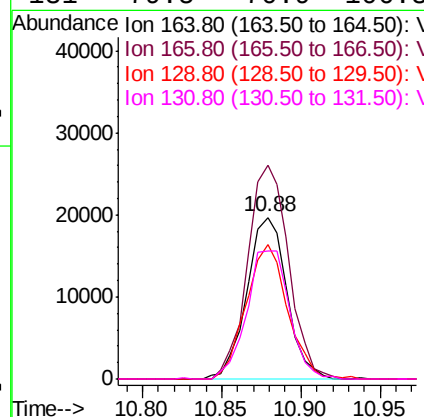
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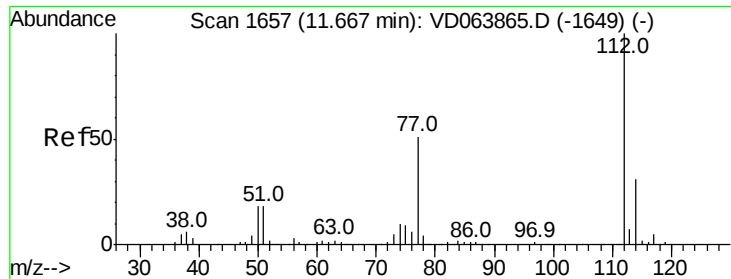
MMDadoda
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#64
Tetrachloroethene
Concen: 21.617 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	132.2	103.8	155.6
129	83.5	68.9	103.3
131	79.5	70.9	106.3





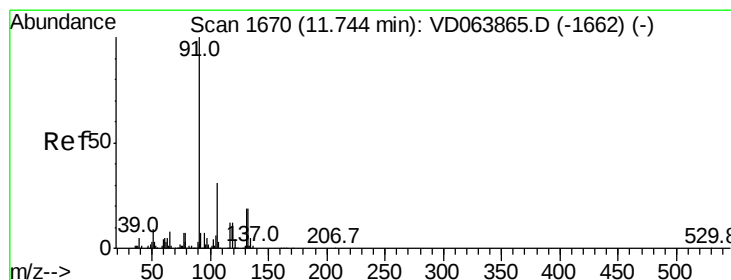
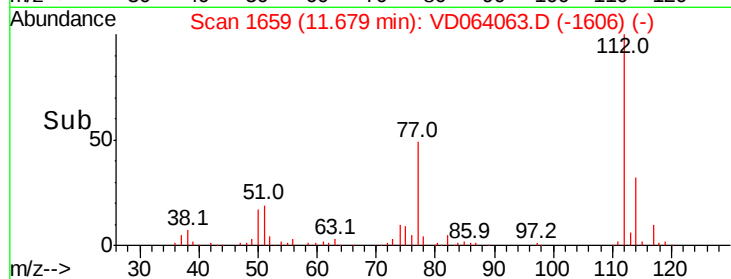
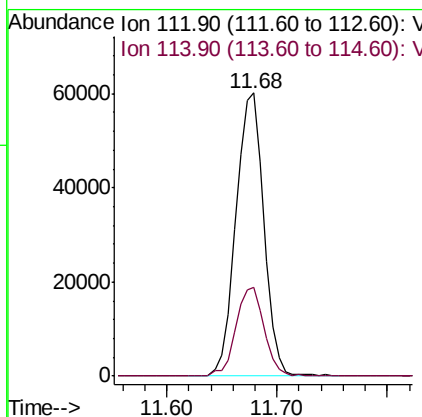
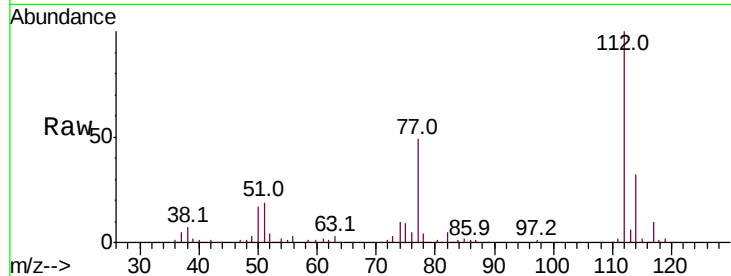
#65
Chlorobenzene
Concen: 22.805 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion:112 Resp: 106980
Ion Ratio Lower Upper
112 100
114 31.6 25.1 37.7

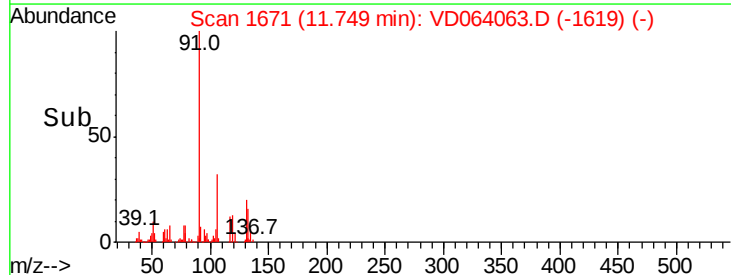
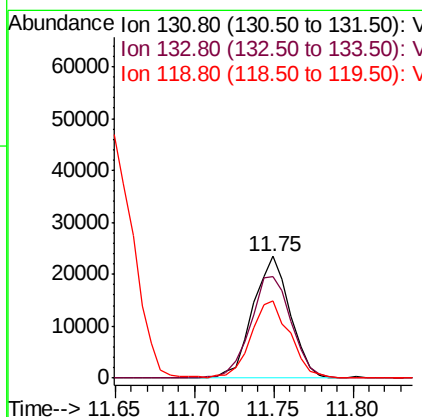
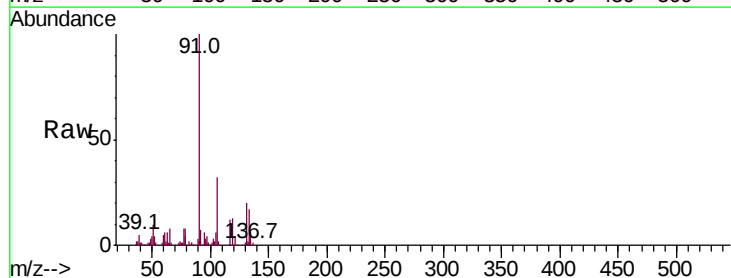
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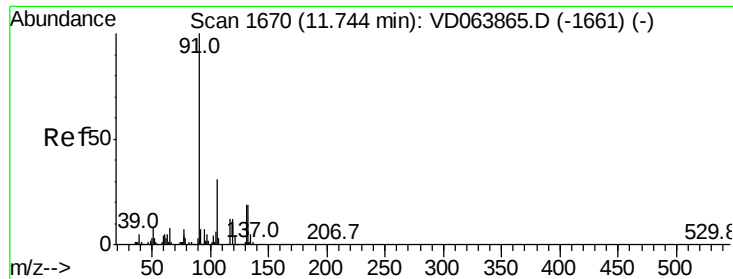
MMDadoda
10/28/2019 12:39:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.304 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion:131 Resp: 38553
Ion Ratio Lower Upper
131 100
133 90.6 48.9 146.7
119 66.0 32.6 97.8





#67

Ethyl Benzene

Concen: 22.633 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 91 Resp: 191452

Ion Ratio Lower Upper

91 100

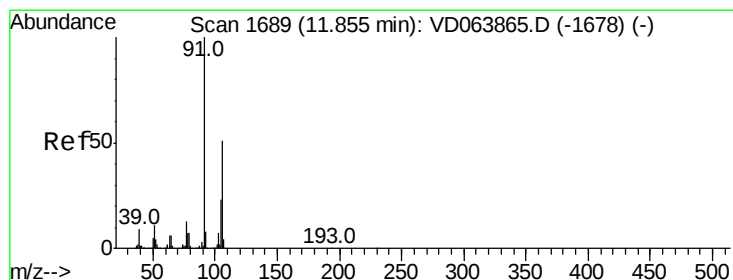
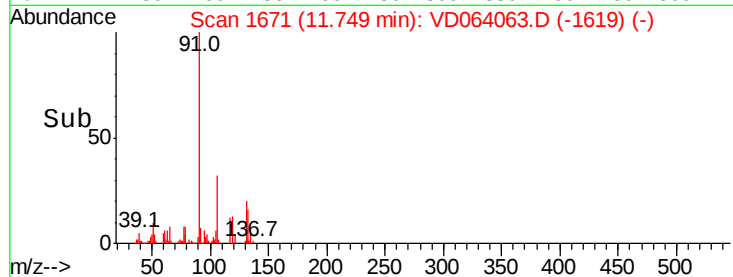
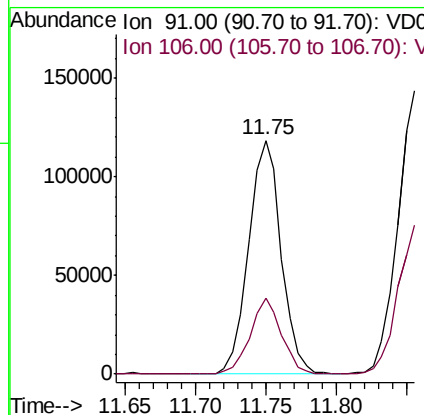
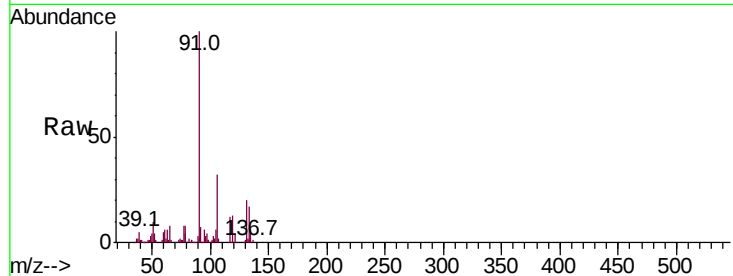
106 32.4 24.6 37.0

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#68

m/p-Xylenes

Concen: 45.311 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064063.D

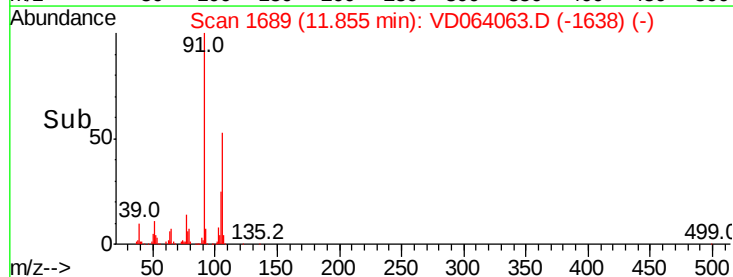
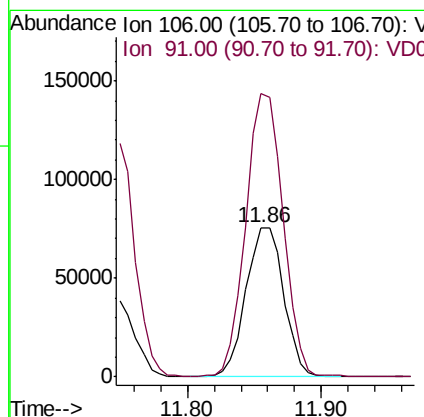
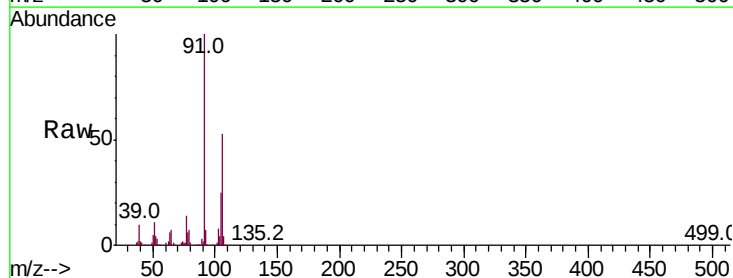
Acq: 25 Oct 2019 14:13

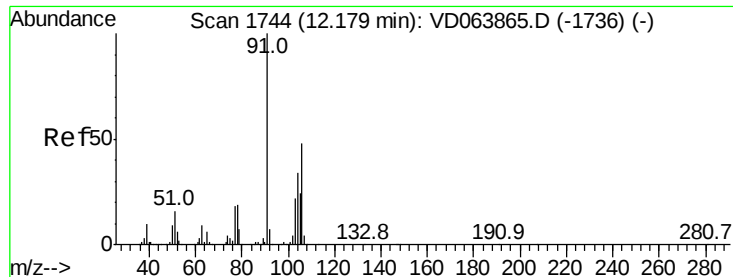
Tgt Ion: 106 Resp: 147939

Ion Ratio Lower Upper

106 100

91 188.0 154.8 232.2





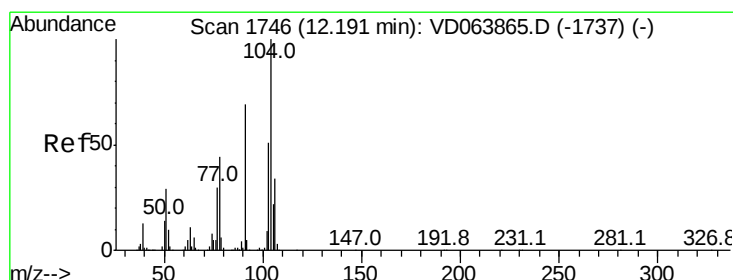
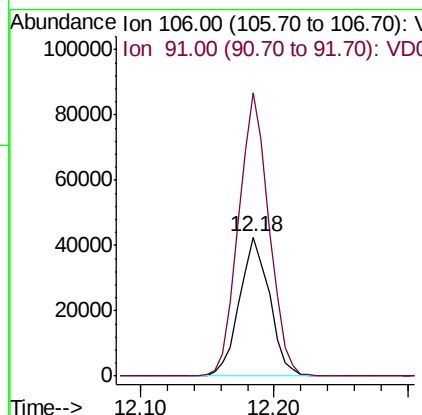
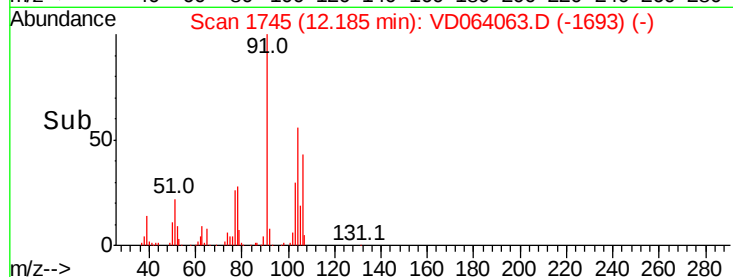
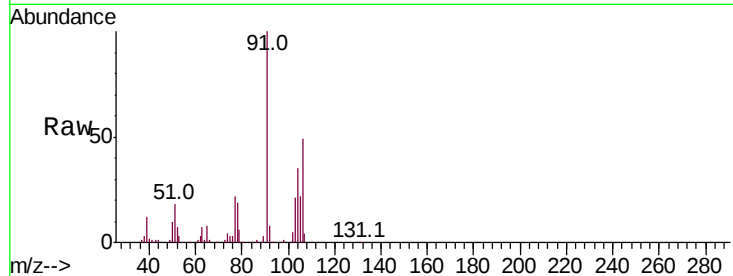
#69
o-Xylene
Concen: 21.295 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion:106 Resp: 66577
Ion Ratio Lower Upper
106 100
91 206.0 103.9 311.7

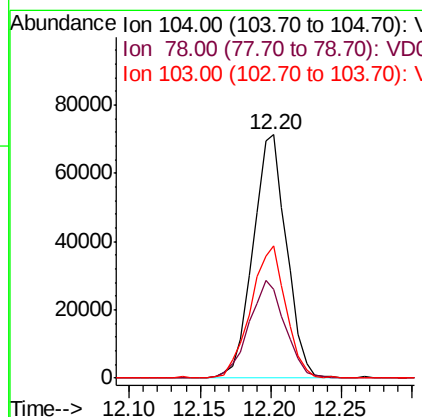
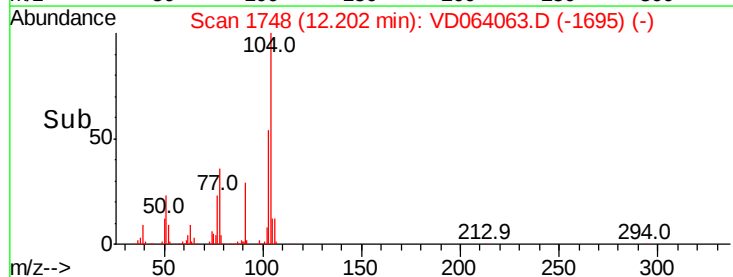
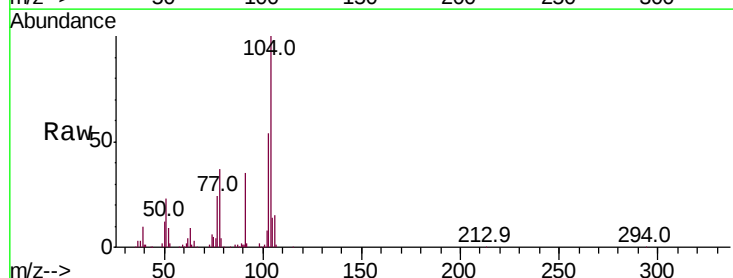
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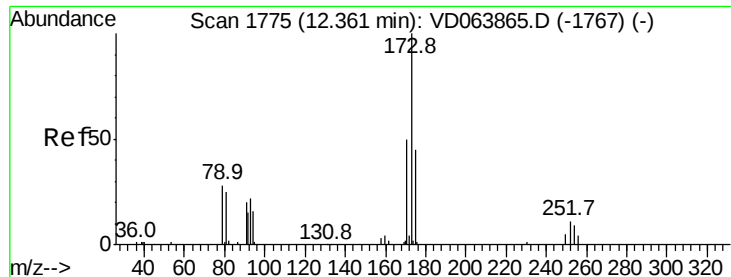
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#70
Styrene
Concen: 22.516 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion:104 Resp: 119166
Ion Ratio Lower Upper
104 100
78 43.1 37.0 55.4
103 56.9 44.2 66.4





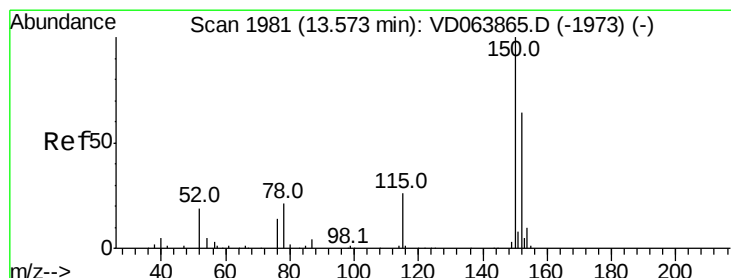
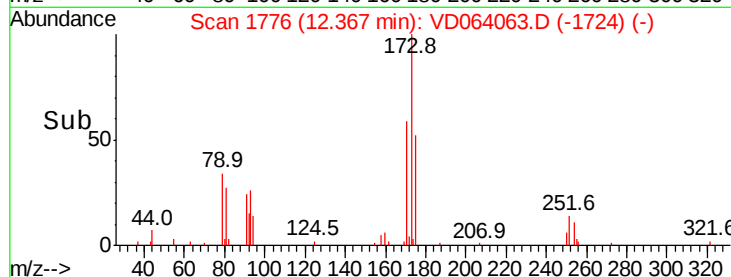
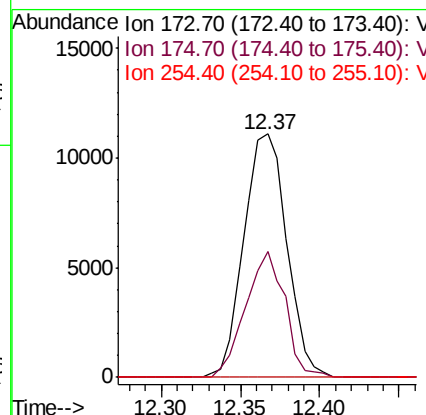
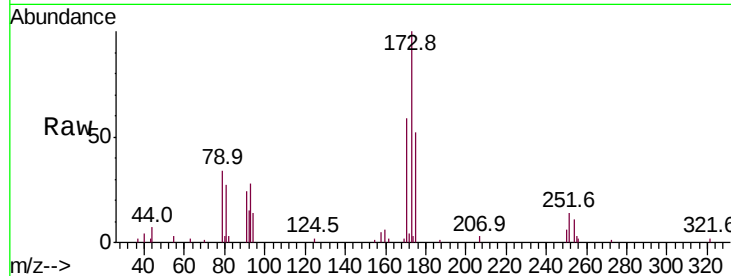
#71
Bromoform
Concen: 22.526 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.6	74.0
254	0.0	0.0	0.0

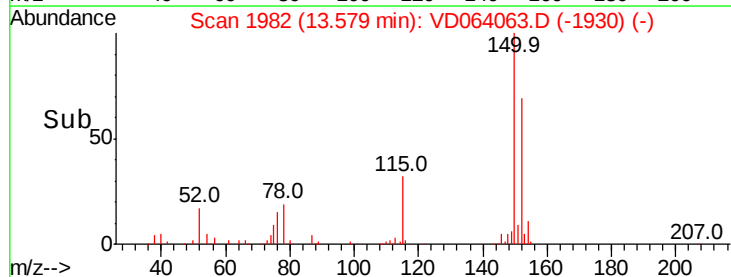
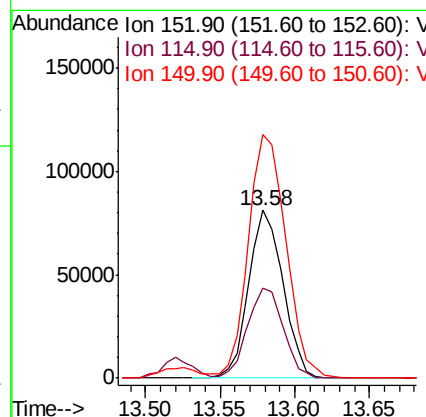
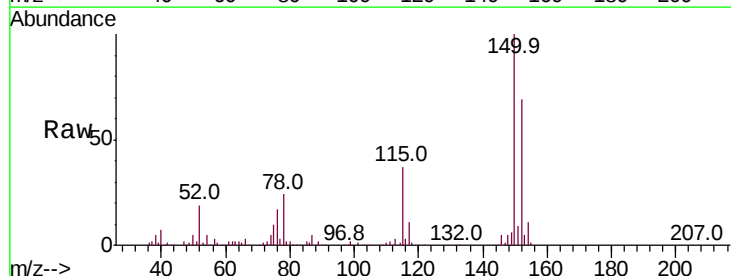
Manual Integrations
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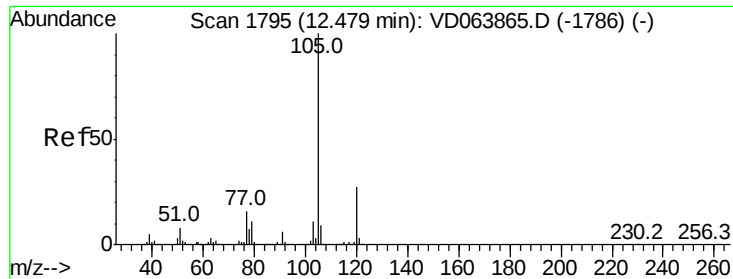
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	25.9	77.7
150	157.9	0.0	344.2





#73

Isopropylbenzene

Concen: 21.350 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion:105 Resp: 186006

Ion Ratio Lower Upper

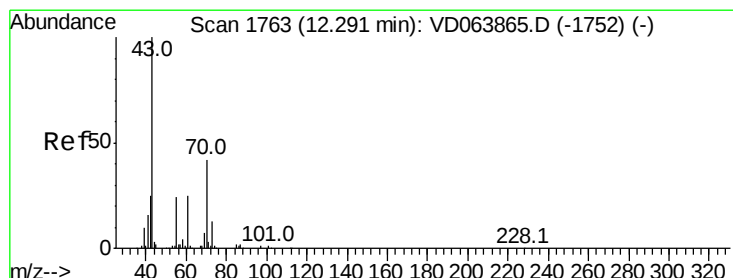
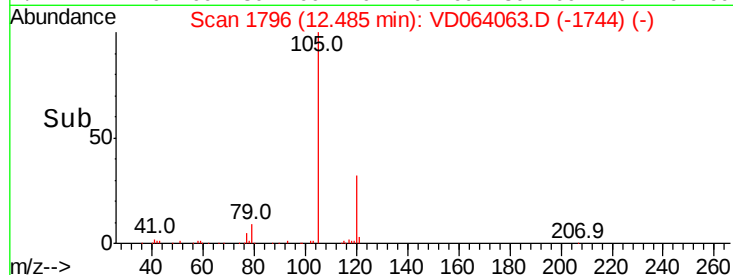
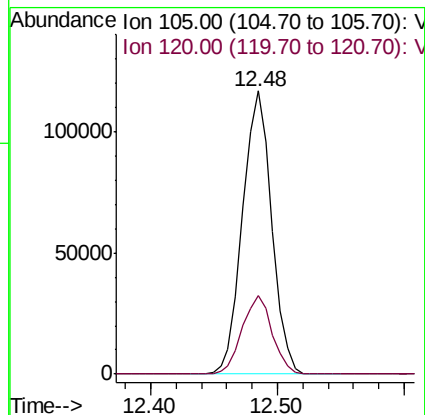
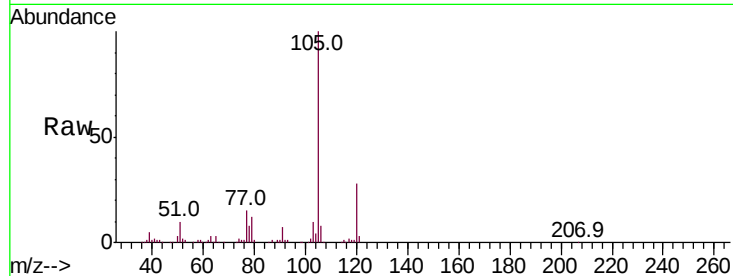
105 100

120 28.7 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.056 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Tgt Ion: 43 Resp: 35745

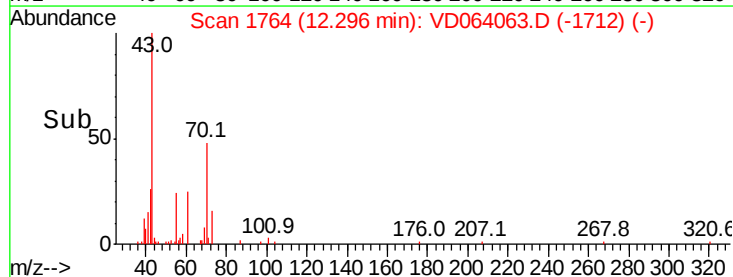
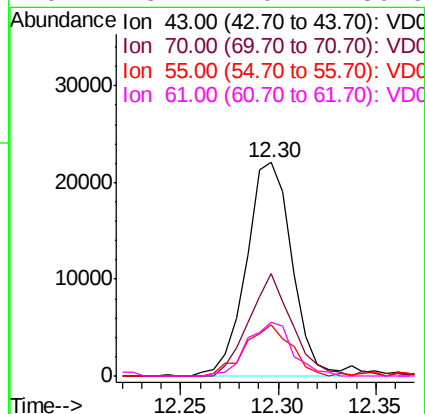
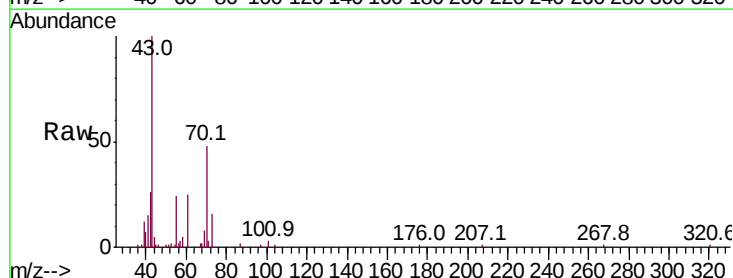
Ion Ratio Lower Upper

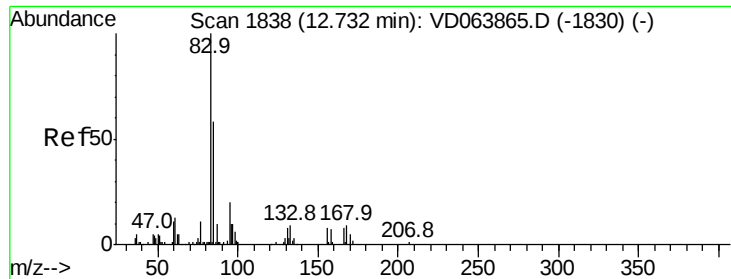
43 100

70 44.8 35.8 53.6

55 24.3 19.4 29.0

61 25.1 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.313 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

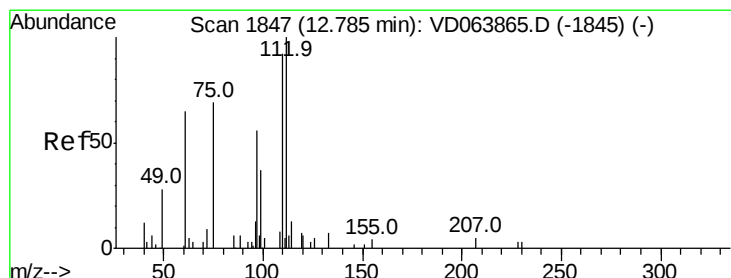
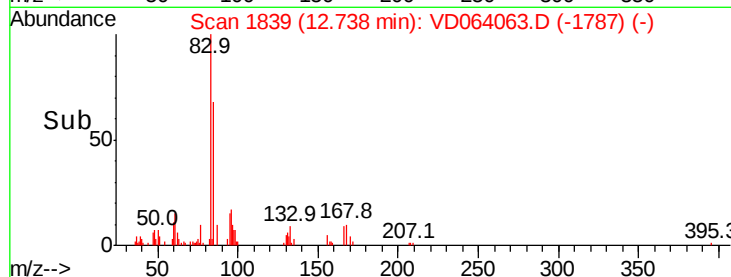
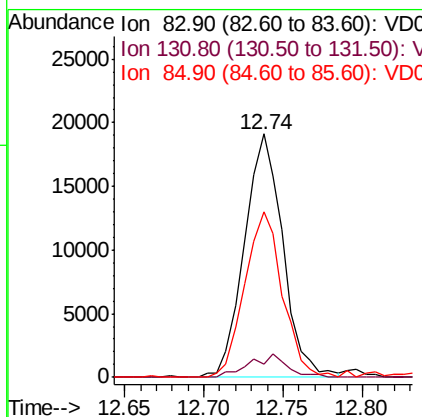
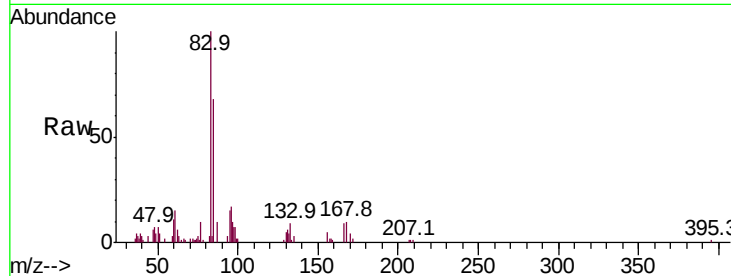
ClientSampleId :

VD1025SBS01

Tot Ion:	83	Resp:	32311
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.6	16.8
85	66.5	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 21.005 ug/l m

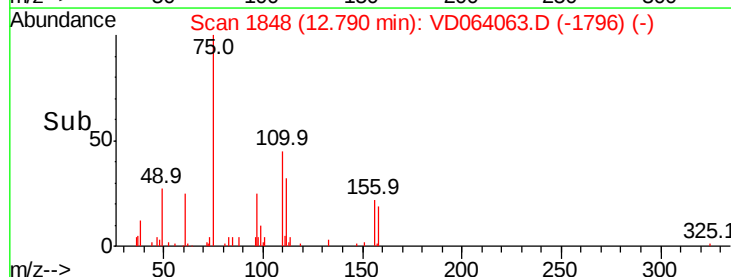
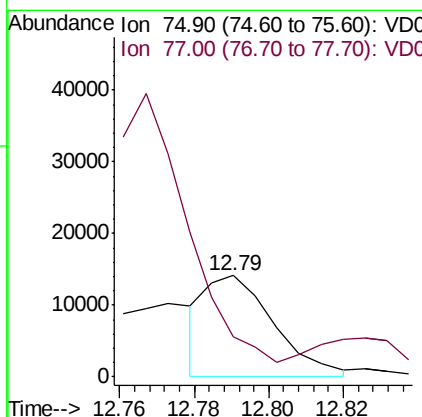
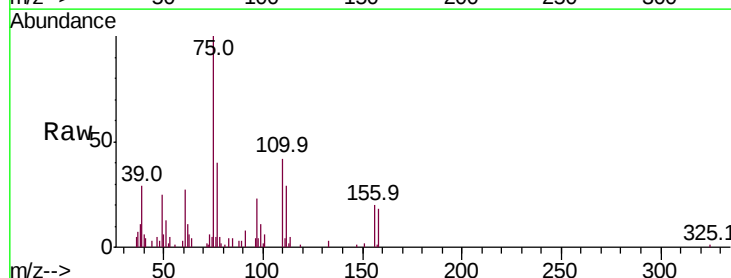
RT: 12.79 min Scan# 1848

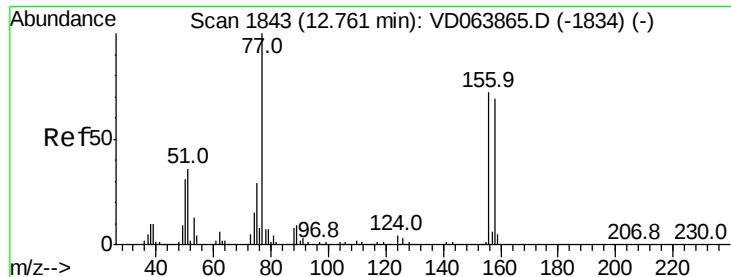
Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Tgt Ion:	75	Resp:	18232
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.538 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion:156 Resp: 44580

Ion Ratio Lower Upper

156 100

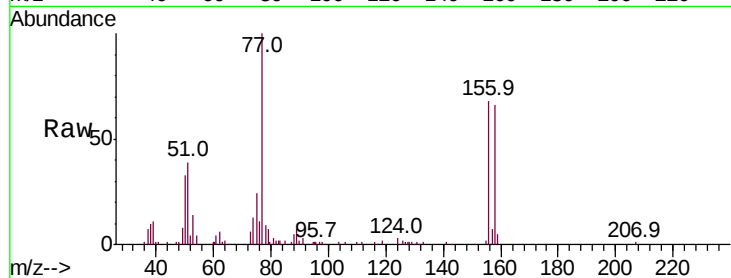
77 155.5 80.3 241.0

158 99.8 47.4 142.2

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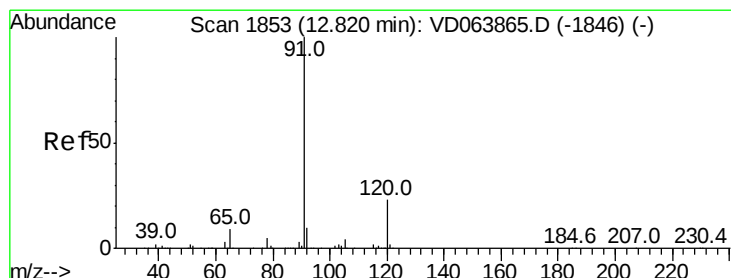
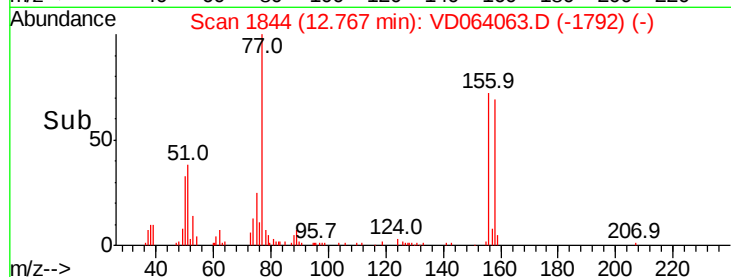
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V

12.77

Time-->



#78

n-propylbenzene

Concen: 22.126 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD064063.D

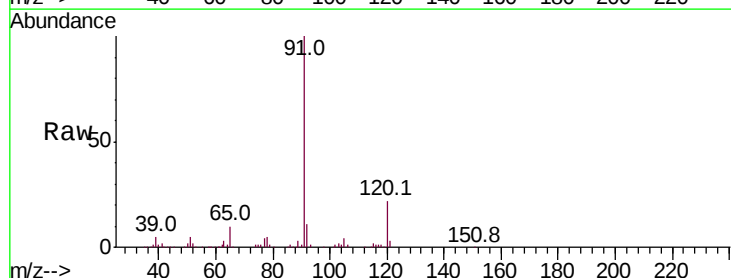
Acq: 25 Oct 2019 14:13

Tgt Ion: 91 Resp: 226265

Ion Ratio Lower Upper

91 100

120 22.7 12.0 36.0

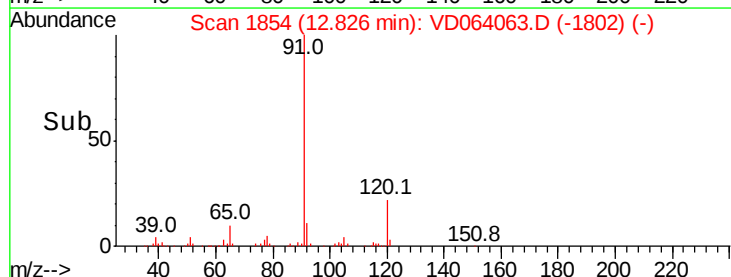


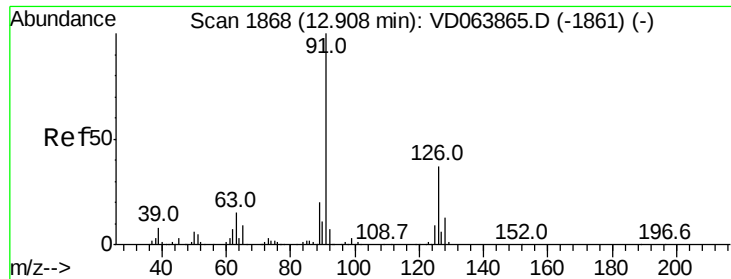
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

12.83

Time-->





#79

2-Chlorotoluene

Concen: 21.024 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 91 Resp: 118550

Ion Ratio Lower Upper

91 100

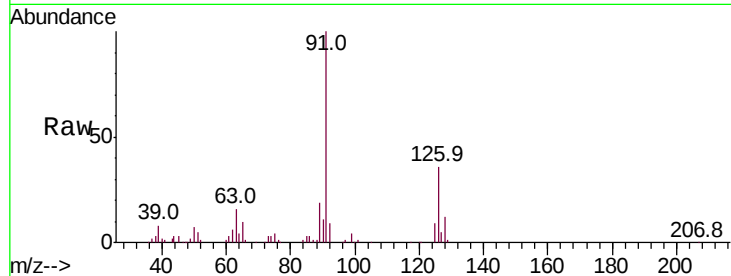
126 37.9 18.4 55.2

Manual Integrations

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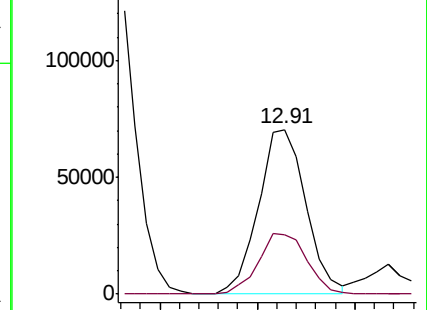
MMDadoda

10/28/2019 12:39:22 PM

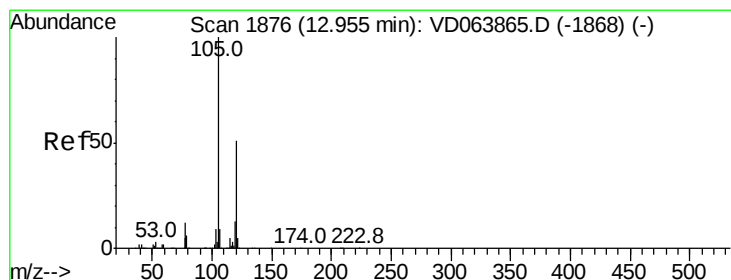
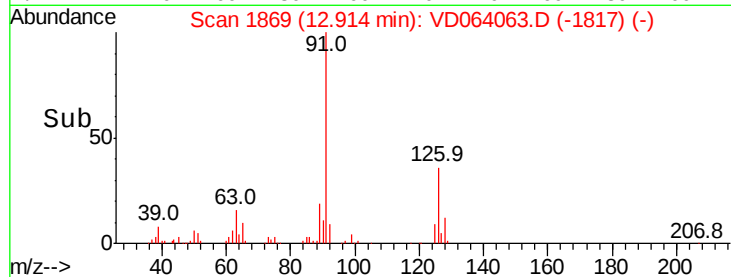


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.042 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD064063.D

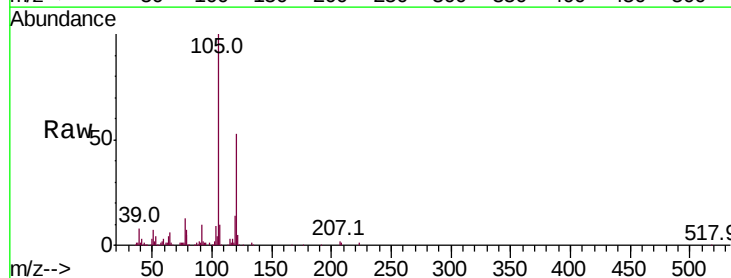
Acq: 25 Oct 2019 14:13

Tgt Ion:105 Resp: 152943

Ion Ratio Lower Upper

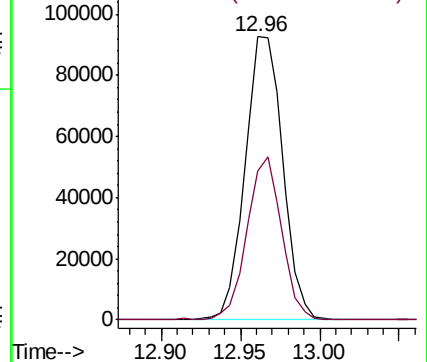
105 100

120 53.1 25.9 77.8

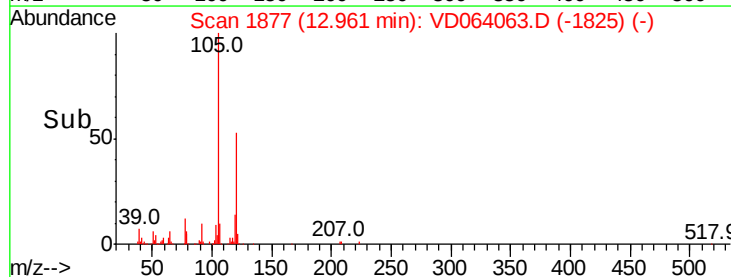


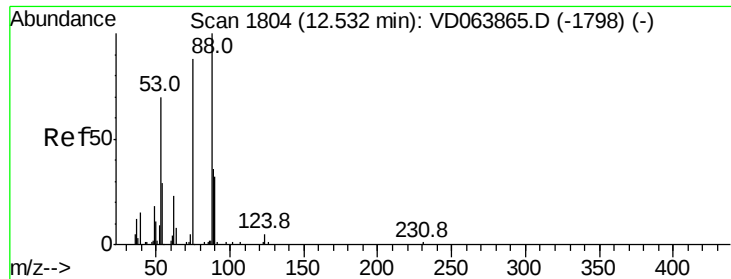
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





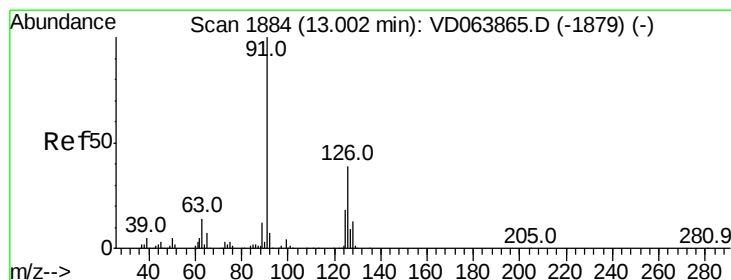
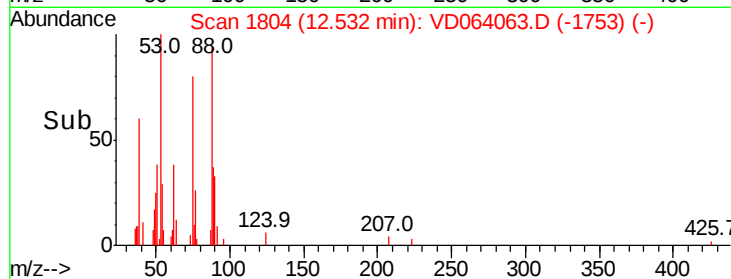
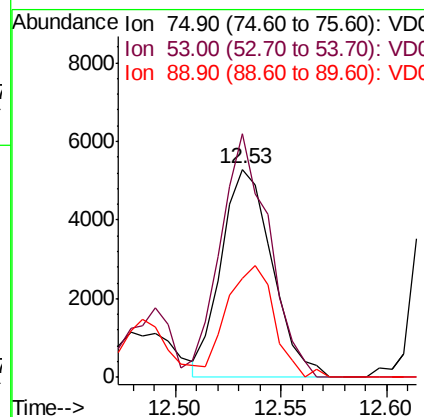
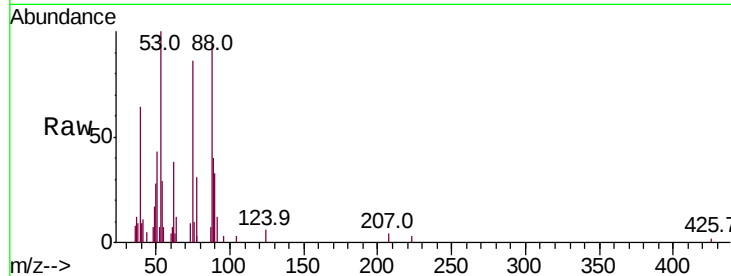
#81
trans-1,4-Dichloro-2-butene
Concen: 18.061 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.1	75.0	112.6
89	49.5	38.2	57.4

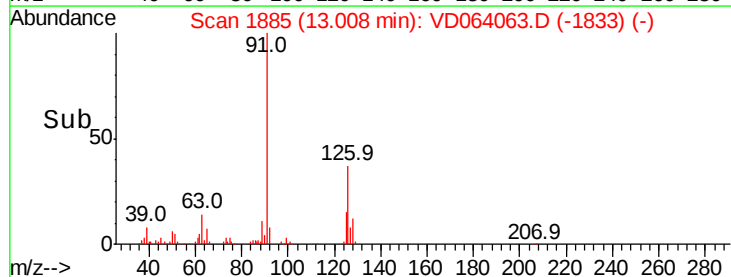
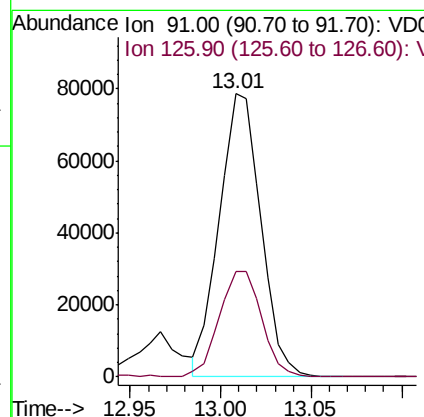
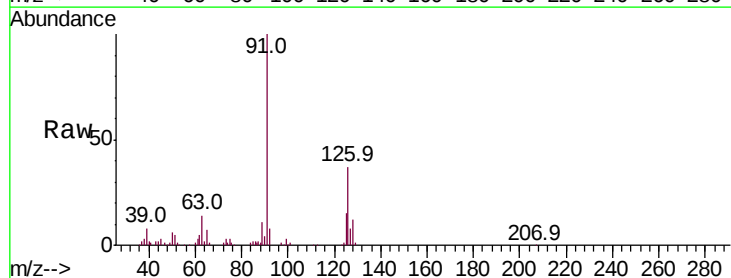
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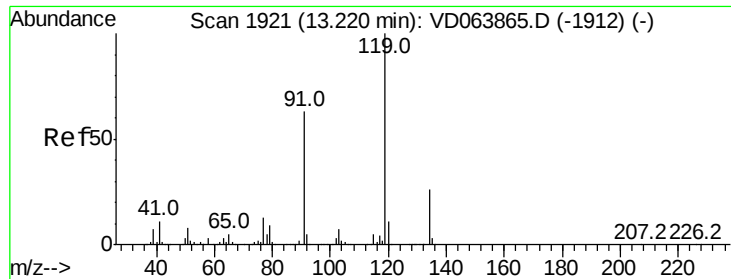
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#82
4-Chlorotoluene
Concen: 20.996 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.2	18.6	55.8





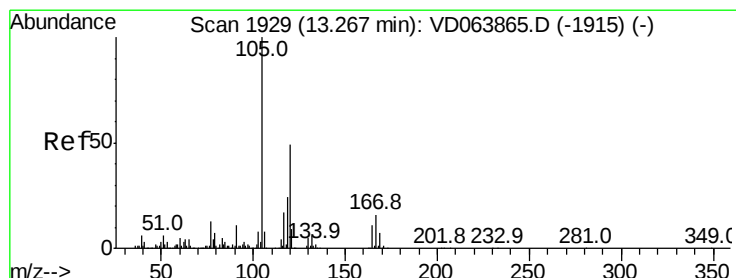
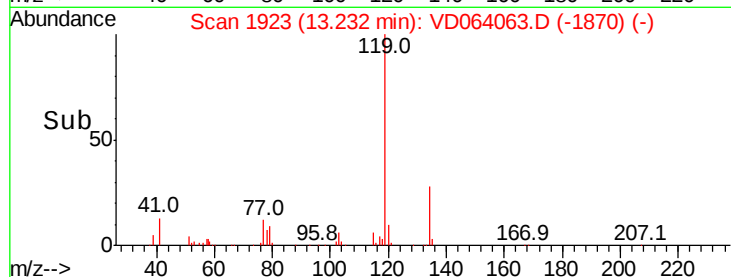
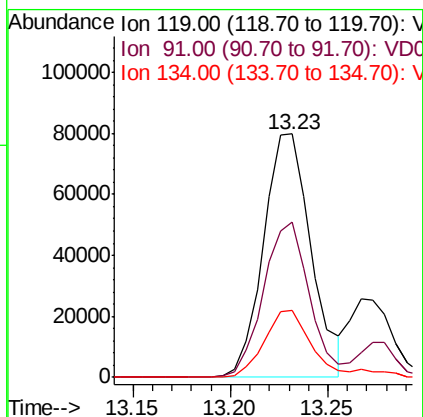
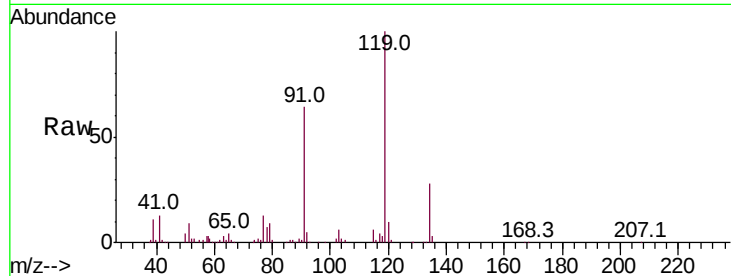
#83
tert-Butylbenzene
Concen: 20.962 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	135598		
91	61.0	30.0	90.0	
134	26.6	13.0	38.9	

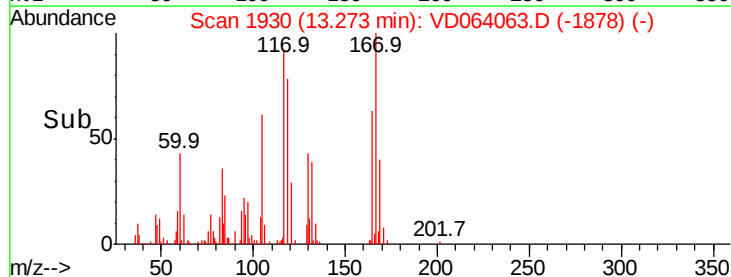
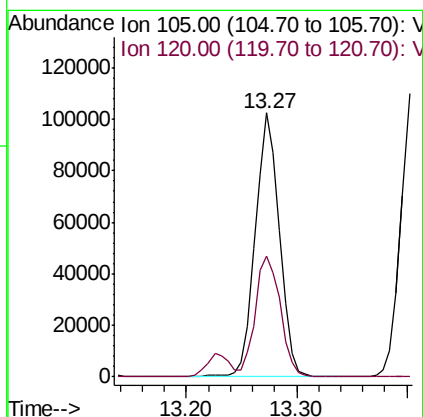
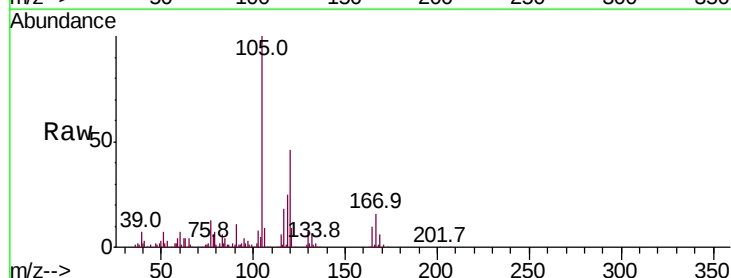
Manual Integrations
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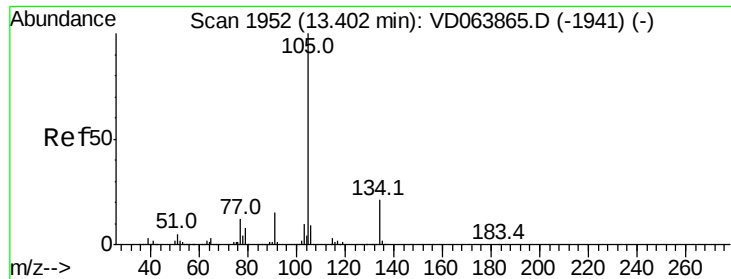
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#84
1,2,4-Trimethylbenzene
Concen: 21.019 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	157501		
120	47.8	23.8	71.5	





#85

sec-Butylbenzene

Concen: 22.623 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion:105 Resp: 197628

Ion Ratio Lower Upper

105 100

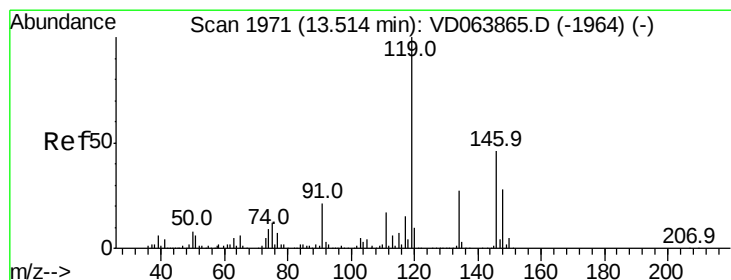
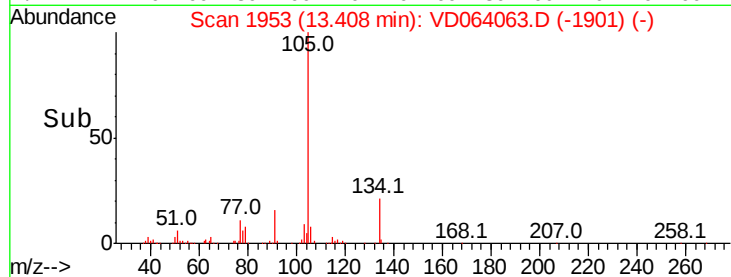
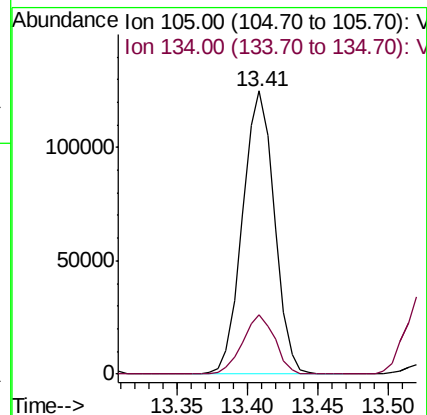
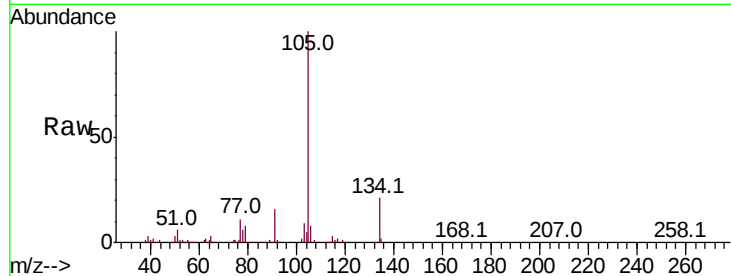
134 21.1 10.6 31.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.999 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064063.D

Acq: 25 Oct 2019 14:13

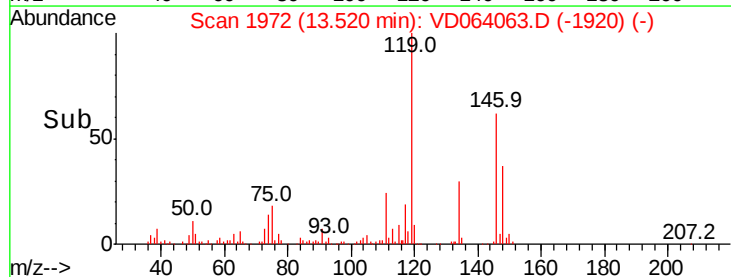
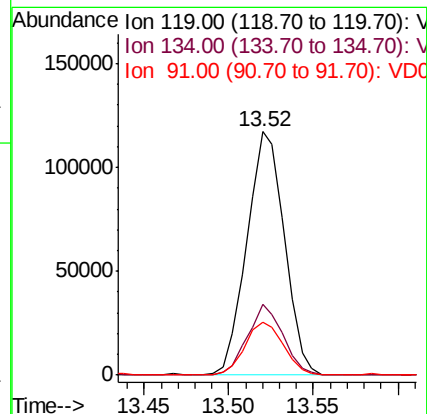
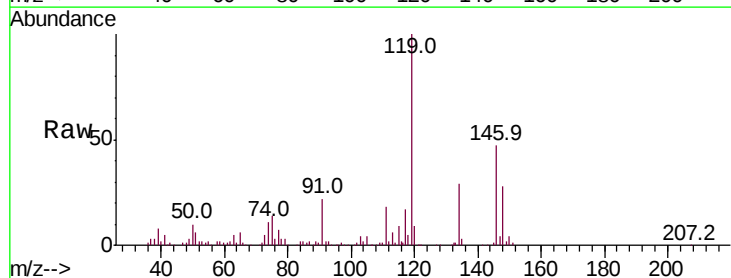
Tgt Ion:119 Resp: 181852

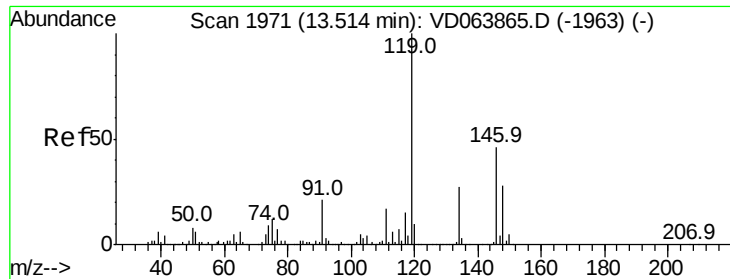
Ion Ratio Lower Upper

119 100

134 27.5 13.9 41.6

91 22.4 11.2 33.5





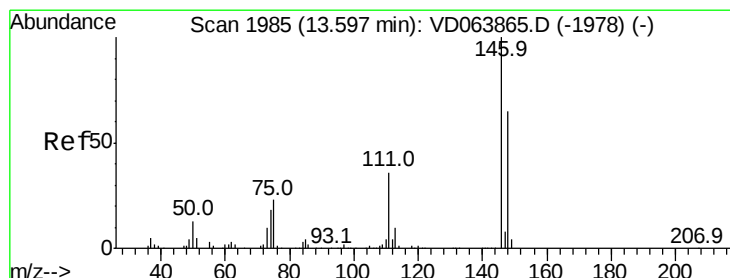
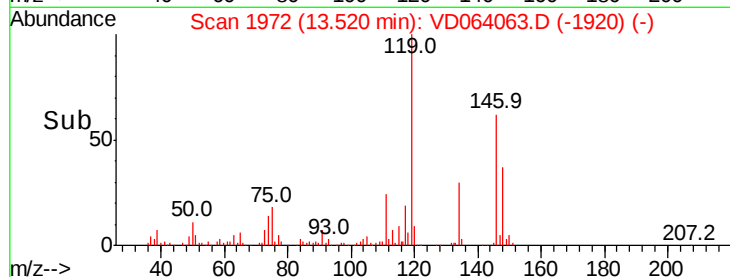
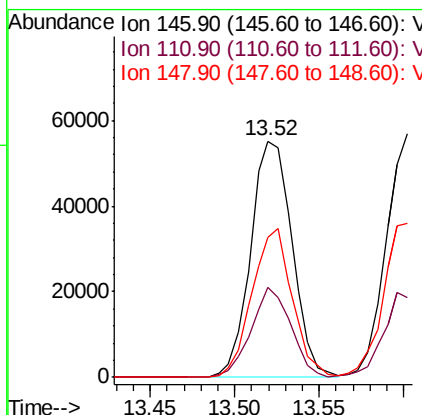
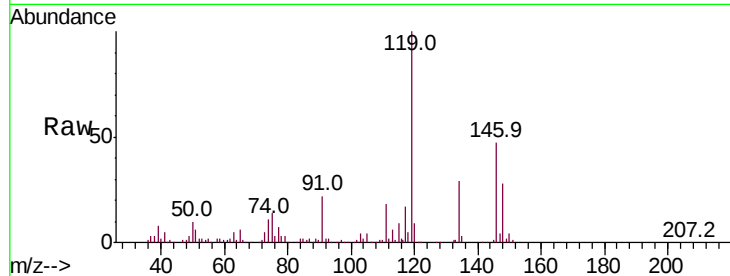
#87
 1,3-Dichlorobenzene
 Concen: 22.014 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.3	54.9
148	61.1	31.8	95.4

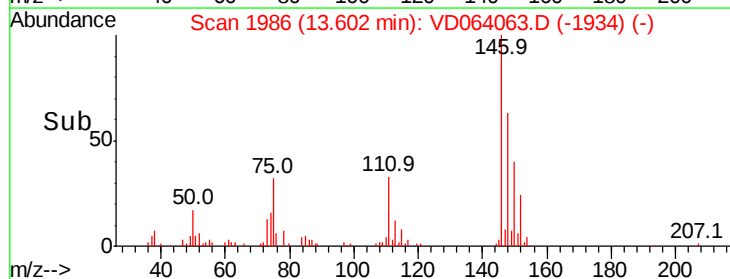
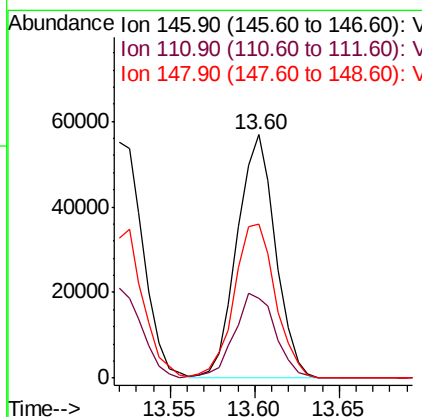
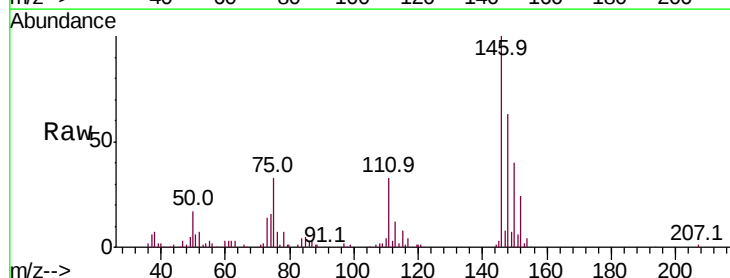
Manual Integrations
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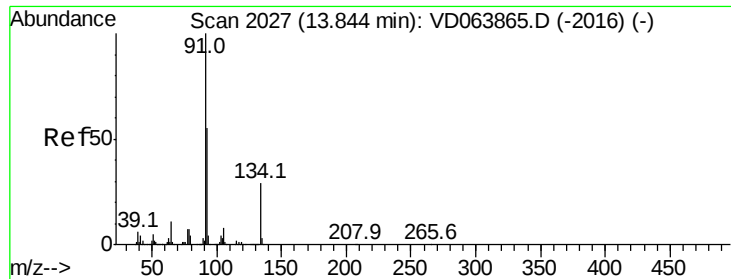
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#88
 1,4-Dichlorobenzene
 Concen: 21.304 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	56.0
148	68.4	32.6	98.0





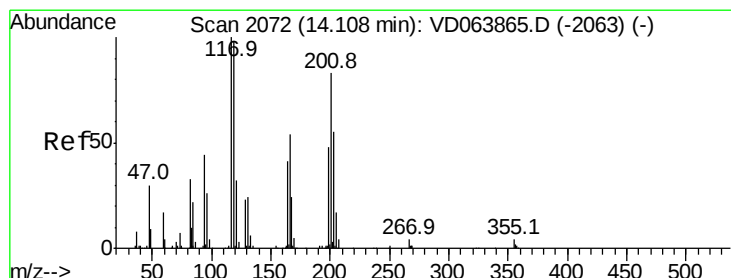
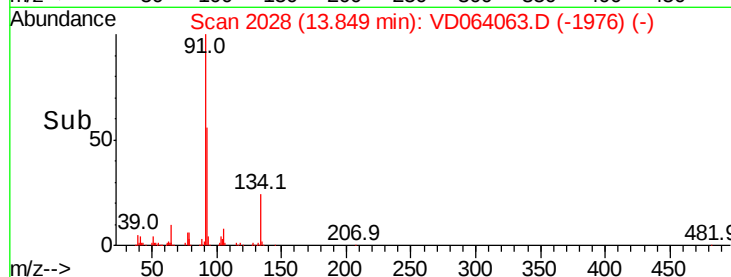
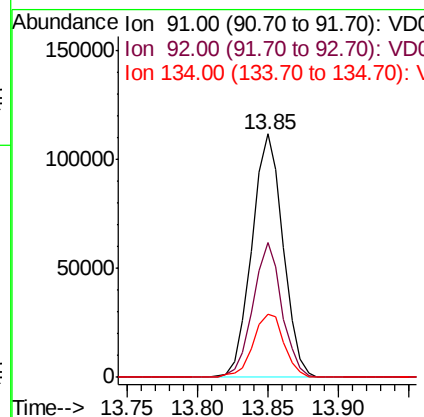
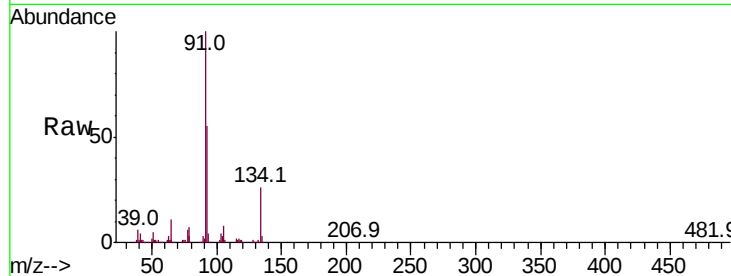
#89
n-Butylbenzene
Concen: 22.559 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.8	80.3
134	26.2	14.4	43.0

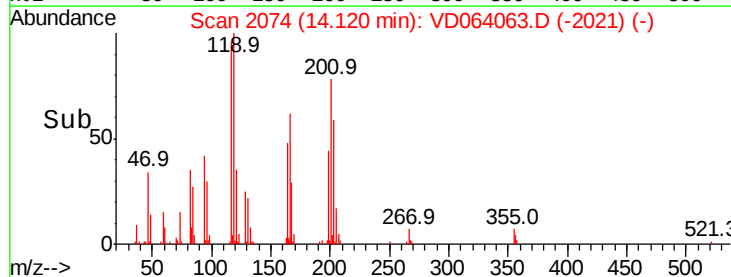
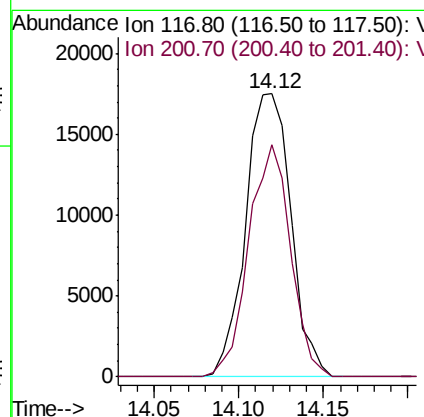
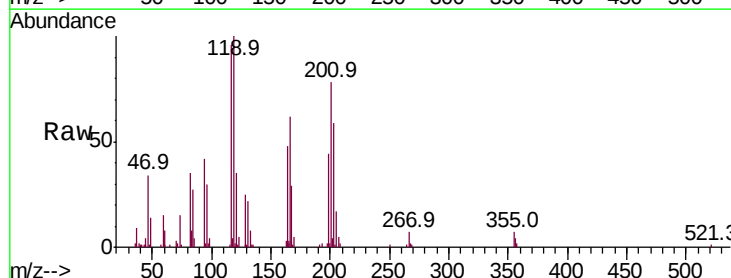
Manual Integrations
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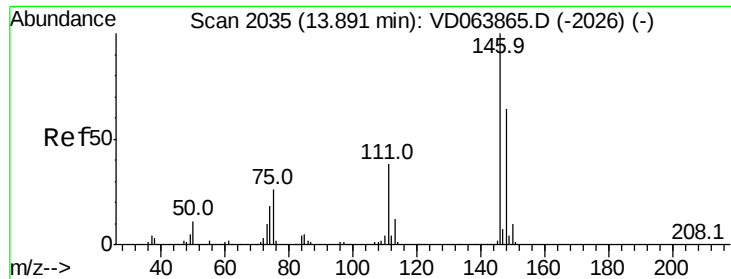
MMDadoda
10/28/2019 12:39:22 PM



#90
Hexachloroethane
Concen: 21.977 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.5	40.6	121.7





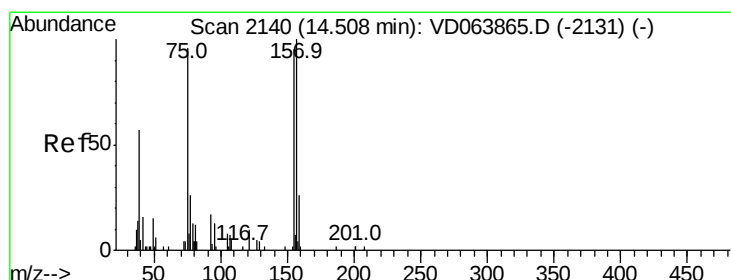
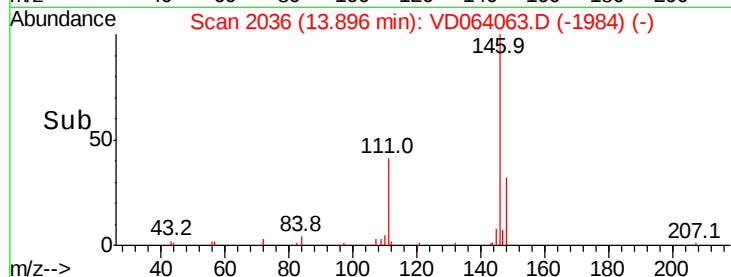
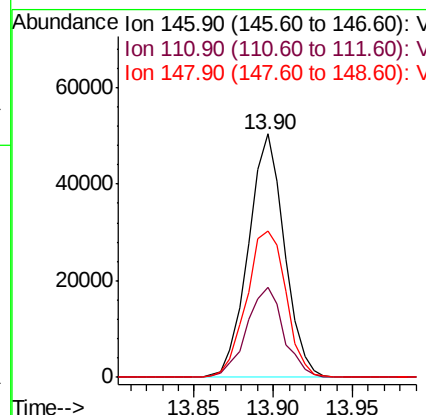
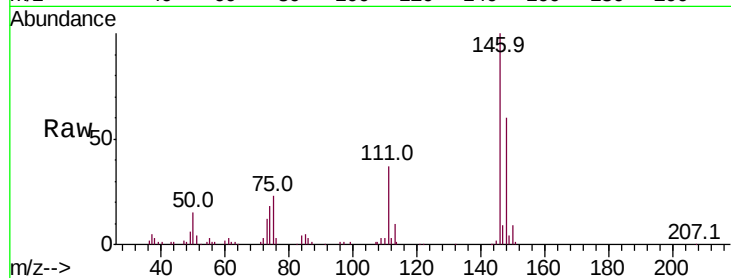
#91
1,2-Dichlorobenzene
Concen: 21.578 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.6
148	65.7	31.6	95.0

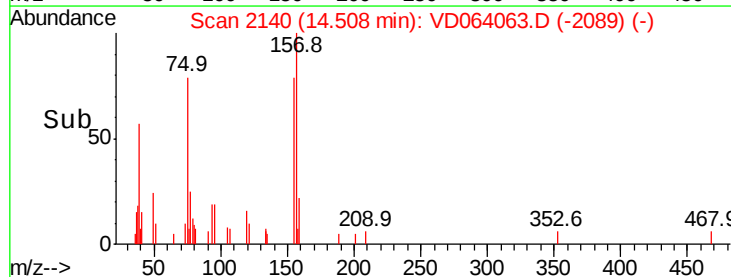
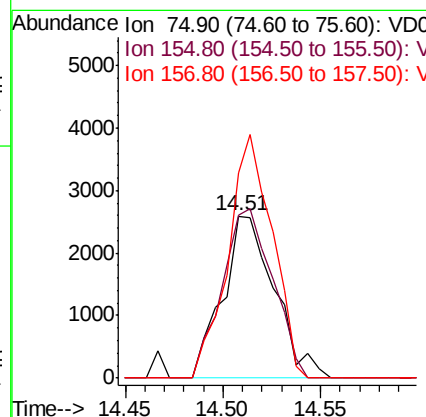
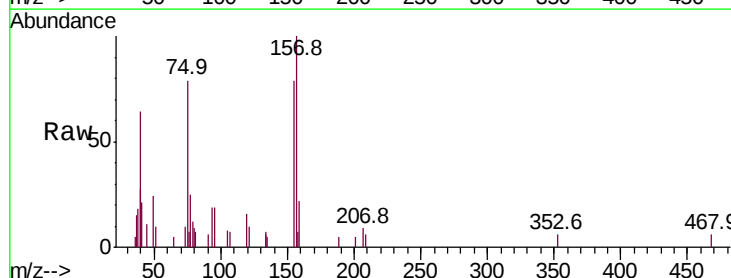
Manual Integrations
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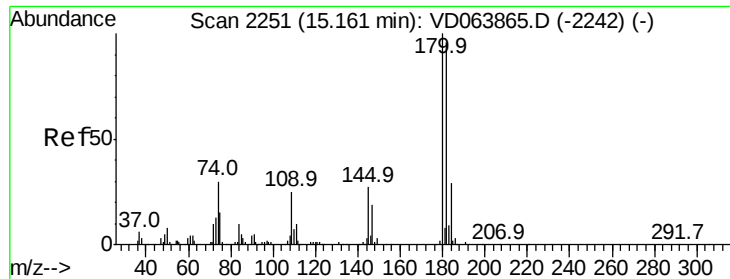
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#92
1,2-Dibromo-3-Chloropropane
Concen: 18.708 ug/l
RT: 14.51 min Scan# 2140
Delta R.T. 0.00 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.1	43.9	131.6
157	128.3	56.0	167.9





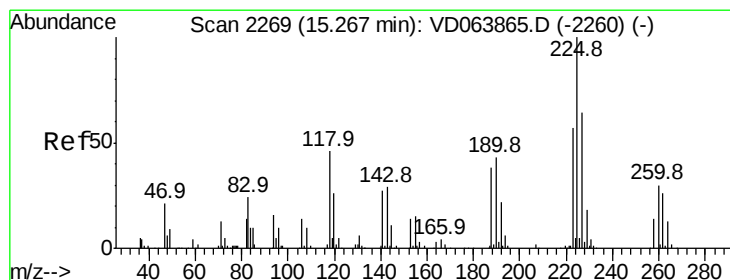
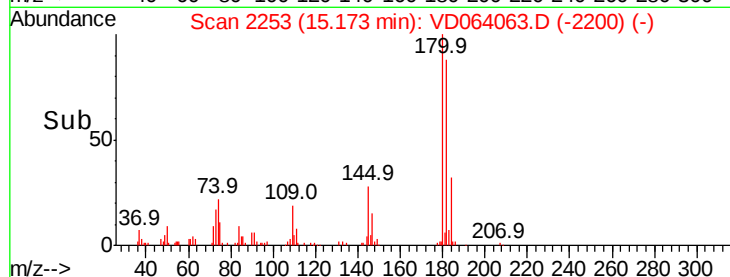
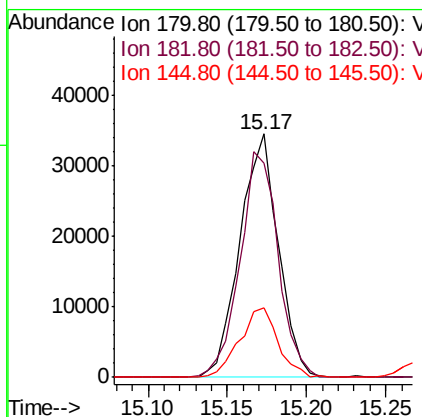
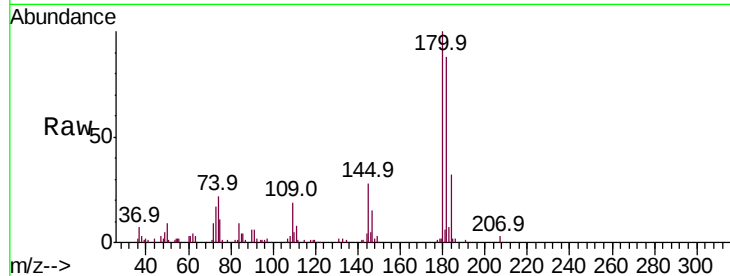
#93
 1,2,4-Trichlorobenzene
 Concen: 20.402 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.8	47.4	142.3	
145	28.2	13.9	41.7	

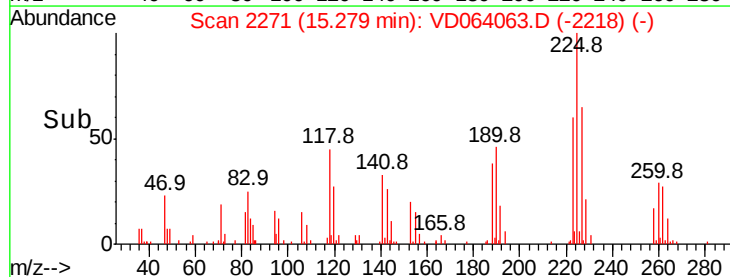
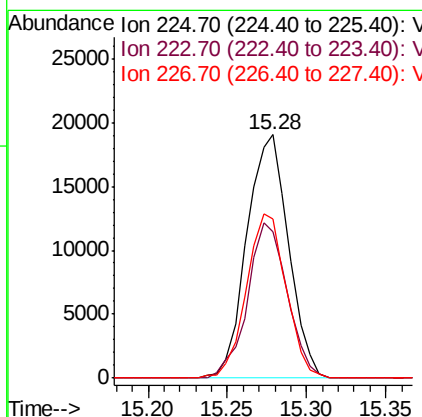
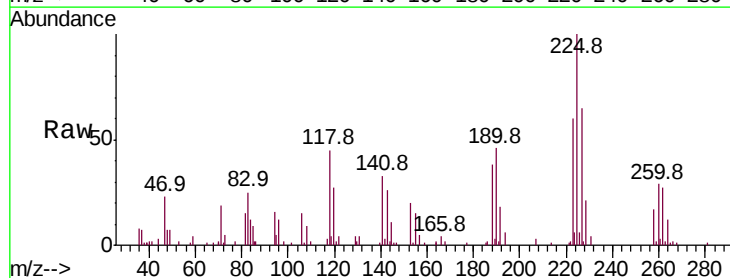
Manual Integrations
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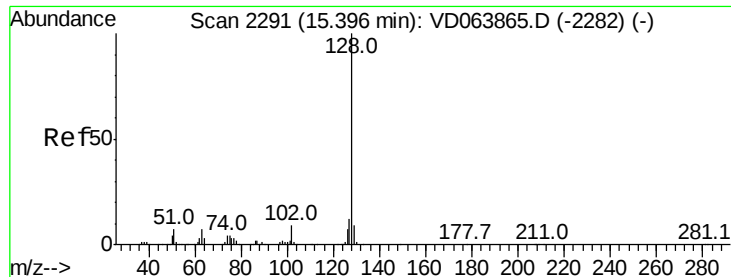
MMDadoda
 10/28/2019 12:39:22 PM



#94
 Hexachlorobutadiene
 Concen: 22.122 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064063.D
 Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.9	29.5	88.6	
227	64.3	30.8	92.4	





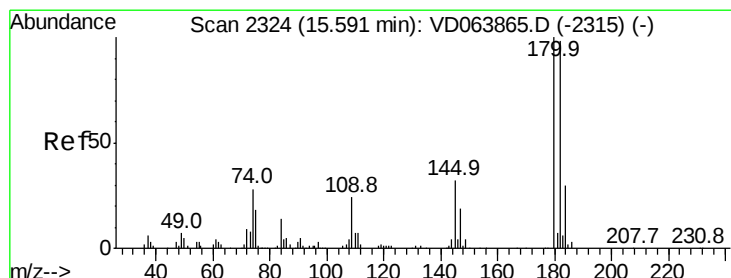
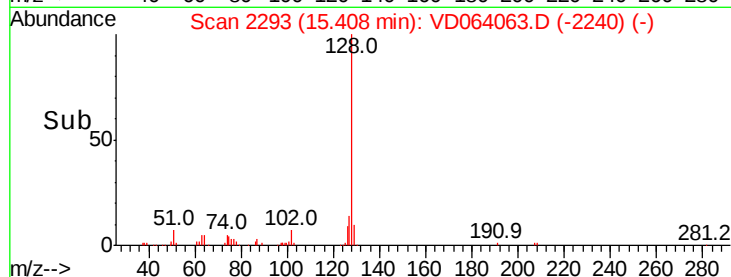
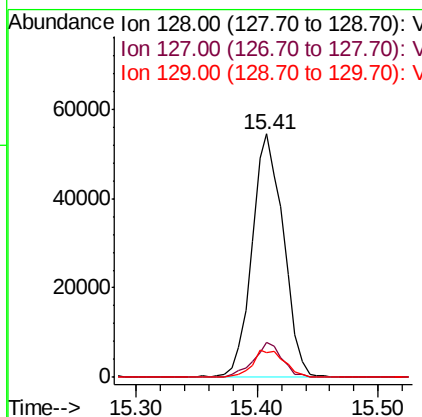
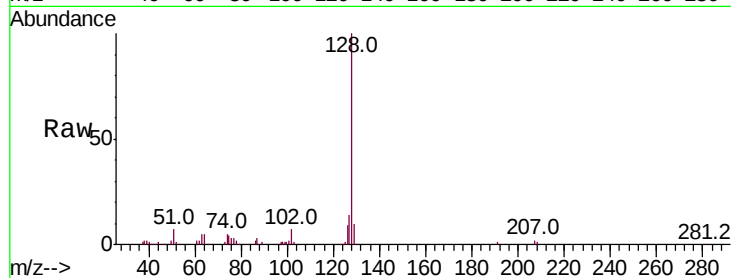
#95
Naphthalene
Concen: 20.615 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.4	8.6	13.0

Manual Integrations
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10/28/2019 12:39:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.934 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD064063.D
Acq: 25 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.0	141.0
145	31.5	15.3	45.9

